The MINOR PLANET CIRCULARS/MINOR PLANETS AND COMETS are published, on behalf of Commission 20 of the International Astronomical Union, usually in batches on or near the date of each full moon, by:
Minor Planet Center, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.
IAUSUBS@CFA.HARVARD.EDU or FAX 617–495–7231 (subscriptions)
MPC@CFA.HARVARD.EDU (science)
Phone 617–495–7244/7444/7440/7273 (for emergency use only).
World-Wide Web address `http://cfa-www.harvard.edu/iau/mpc.html` **ISSN 0736-6884**
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EDITORIAL NOTICE

In an Editorial Notice on 2001 July 5, we asked observers to inform us whether they wished to have their "one-night stands"—single-night detections of unidentified, unlinked or otherwise unconfirmed objects—made available by the IAU Minor Planet Center on an anonymous ftp server at the Smithsonian Astrophysical Observatory or "returned to the sender." Failure of an observer to respond by the 2001 Sept. 15 deadline was taken by the MPC to mean that such observations would *not* be made publicly available. In accordance with the contract between the IAU and the SAO, this procedure was initiated last October for observations that were at least six months old.

The IAU General Secretary, in consultation with the chair of the IAU MPC Advisory Committee, notes that the contract implies that failure to respond means that an observer's one-night stands *should* be made available. Accordingly, observers who have so far not responded are now being given a second chance to respond—by *2002 Oct. 10*. Those who have not responded by then will be presumed to accept that their one-night-stand data will be made publicly available.

In considering their responses, observers should understand that the IAU officials require that *one-month-old* (or even more recent) one-night-stand data be made available on the ftp server in the next monthly update. If such data are *not* to be made available, it is required that the MPC return them to the observers with the notification that the data will not be used for further linkages, because they are not "public data." Furthermore, in order to fulfill the IAU requirements, the MPC is prohibited from accepting a resubmission of these same observations unless and until they have been identified or linked.

ERRATA

MPC	Line	
46010	33	Delete the name and citation for (10265) Undset
46012	6	Replace the first sentence with "Aleksandr Danilovich Nozdrachev (b. 1931), a professor at St. Petersburg University, is a prominent expert in physiology."
46110	−42	*Add* (b. 1945)
46112	4	*For International Astronomical Quarterly read International Comet Quarterly*
46112	−17	*For tâte read tête*
46113	−20	*For* Viques *read* Vicques
46113	−14	*For* Viques *read* Vicques

NEW OBSERVATORY CODES

The following listing is a continuation to that on *MPC* 46081. 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	$\rho\cos\phi'$	$\rho\sin\phi'$	
A28	10.3342	0.67398	+0.73642	Kempten
G78	244.3127	0.84158	+0.53832	Desert Wanderer Observatory, El Centro
H35	264.9517	0.77423	+0.63085	Leavenworth

CORRECTED OBSERVATIONS

The following observations correct those previously published.

Object	Date	UT	α_{2000}	δ_{2000}	Reference	Mag.	N Obs.
1991 VD_4	2002 07	20.41942	22 49 25.90	+25 58 14.7	*MPS* 58645		848
1991 VD_4	2002 07	20.42931	22 49 25.87	+25 58 19.7	*MPS* 58645	18.0 R	848
1991 VD_4	2002 07	20.44171	22 49 25.85	+25 58 28.2	*MPS* 58645		848
1998 SS_{27}	2002 07	20.43279	23 41 59.74	+22 48 56.0	*MPS* 58692	17.4 R	848
1998 SS_{27}	2002 07	20.44003	23 41 59.68	+22 49 03.1	*MPS* 58692	17.5 R	848
1998 SS_{27}	2002 07	20.44645	23 41 59.69	+22 49 08.3	*MPS* 58692	17.4 R	848
1999 AO_{23}	2002 07	20.44822	01 27 01.14	+23 10 28.1	*MPS* 58712	19.1 R	848
1999 AO_{23}	2002 07	20.45314	01 27 01.48	+23 10 33.4	*MPS* 58712	19.0 R	848
1999 AO_{23}	2002 07	20.45809	01 27 01.78	+23 10 36.8	*MPS* 58712	19.4 R	848
1999 VA_{100}	2002 07	12.36814	20 41 09.25	−14 54 50.7	*MPS* 58772	16.4 R	848
1999 VA_{100}	2002 07	12.37794	20 41 08.77	−14 54 51.4	*MPS* 58772		848
1999 VA_{100}	2002 07	12.38778	20 41 08.33	−14 54 51.9	*MPS* 58772	16.7 R	848
1999 XV_{176}	2002 07	20.45645	02 08 11.68	+35 45 15.2	*MPS* 58792	16.8 R	848
1999 XV_{176}	2002 07	20.45983	02 08 12.06	+35 45 19.5	*MPS* 58792		848
1999 XV_{176}	2002 07	20.46316	02 08 12.43	+35 45 23.3	*MPS* 58792		848
2000 AG_{144}	2002 07	20.46148	03 05 22.63	+36 49 54.2	*MPS* 58807		848
2000 AG_{144}	2002 07	20.46484	03 05 23.27	+36 49 58.7	*MPS* 58807		848
2000 AG_{144}	2002 07	20.46715	03 05 23.74	+36 50 01.8	*MPS* 58807		848

2000 EC_{150}	2002 07 20.43441	23 08 44.49	+26 05 11.8	*MPS* 58827			848
2000 EC_{150}	2002 07 20.43837	23 08 44.56	+26 05 17.9	*MPS* 58827	16.3	R	848
2000 EC_{150}	2002 07 20.44333	23 08 44.68	+26 05 25.0	*MPS* 58827	15.9	R	848
2000 QY_{229}	2001 12 23.92940	05 58 14.15	+10 30 18.9	*MPS* 54634			1 461
2002 GR_{10}	2002 05 15.30644	16 29 26.75	−09 14 49.5	*MPS* 57372	18.4		2 672
2002 GR_{10}	2002 05 15.32681	16 29 25.58	−09 14 51.5	*MPS* 57372	18.3		2 672
2002 GR_{10}	2002 05 15.34838	16 29 24.45	−09 14 57.4	*MPS* 57372			2 672
2002 GR_{10}	2002 05 16.25094	16 28 38.60	−09 17 00.0	*MPS* 57372	18.1		2 672
2002 GR_{10}	2002 05 16.28012	16 28 37.01	−09 17 03.5	*MPS* 57372	18.3		2 672
2002 GR_{10}	2002 05 17.23722	16 27 47.45	−09 19 21.3	*MPS* 57372	17.9		2 672
2002 GR_{10}	2002 05 17.26784	16 27 45.82	−09 19 26.1	*MPS* 57372	17.9		2 672
2002 GR_{10}	2002 05 17.29976	16 27 44.03	−09 19 30.5	*MPS* 57372	18.1		2 672
2002 LR_{32}	2002 07 18.35762	21 39 57.04	+08 46 24.6	*MPS* 59027			848
2002 LR_{32}	2002 07 18.37156	21 39 56.66	+08 46 26.3	*MPS* 59027	17.7	R	848
2002 LR_{32}	2002 07 18.40352	21 39 55.99	+08 46 27.3	*MPS* 59027			848
2002 LE_{35}	2002 07 17.44825	23 58 09.43	+13 12 56.8	*MPS* 59028			848
2002 LE_{35}	2002 07 17.45606	23 58 09.67	+13 13 03.3	*MPS* 59028			848
2002 LE_{35}	2002 07 17.46303	23 58 09.91	+13 13 06.6	*MPS* 59028	17.5	R	848
2002 LF_{35}	2002 07 16.45623	23 49 10.43	+17 10 16.0	*MPS* 59028			848
2002 LF_{35}	2002 07 16.46170	23 49 10.34	+17 10 25.7	*MPS* 59028			848
2002 LF_{35}	2002 07 16.46682	23 49 10.41	+17 10 30.8	*MPS* 59028	17.5	R	848
2002 LG_{35}	2002 07 17.42583	23 47 30.05	+09 07 52.0	*MPS* 59028			848
2002 LG_{35}	2002 07 17.44667	23 47 30.20	+09 07 58.2	*MPS* 59028			848
2002 LG_{35}	2002 07 17.46771	23 47 30.17	+09 08 05.2	*MPS* 59028			848
2002 LY_{45}	2002 07 16.24124	14 07 36.71	+11 51 17.0	*MPS* 59033			848
2002 LY_{45}	2002 07 16.24279	14 07 36.01	+11 51 18.8	*MPS* 59033			848
2002 LY_{45}	2002 07 16.24435	14 07 35.66	+11 51 20.0	*MPS* 59033			848
2002 LJ_{53}	2002 07 12.34181	21 00 09.20	−11 40 00.2	*MPS* 59035			848
2002 LJ_{53}	2002 07 12.35157	21 00 08.57	−11 39 56.6	*MPS* 59035			848
2002 LJ_{53}	2002 07 12.36178	21 00 08.26	−11 39 52.1	*MPS* 59035	18.4	R	848
2002 MC	2002 07 16.45458	23 14 34.14	+17 51 52.5	*MPS* 59037			848
2002 MC	2002 07 16.45855	23 14 35.02	+17 51 48.0	*MPS* 59037	18.9	R	848
2002 MC	2002 07 16.46316	23 14 35.71	+17 51 42.0	*MPS* 59037			848
2002 NX	2002 07 12.44787	21 05 20.75	−06 41 31.1	*MPS* 59045			848
2002 NX	2002 07 12.44870	21 05 20.82	−06 41 23.7	*MPS* 59045			848
2002 NX	2002 07 12.44953	21 05 20.90	−06 41 18.8	*MPS* 59045			848
2002 NX	2002 07 15.39409	21 10 56.63	+00 53 00.7	*MPS* 59045			848
2002 NX	2002 07 15.39493	21 10 56.73	+00 53 08.8	*MPS* 59045			848
2002 NX	2002 07 15.39580	21 10 56.77	+00 53 18.5	*MPS* 59045			848
2002 NX	2002 07 16.38998	21 12 57.56	+03 44 10.4	*MPS* 59045	15.1	R	848
2002 NX	2002 07 16.39081	21 12 57.66	+03 44 18.8	*MPS* 59045	16.5	R	848
2002 NX	2002 07 16.39164	21 12 57.73	+03 44 28.2	*MPS* 59045	15.6	R	848
2002 NX	2002 07 17.38483	21 15 03.03	+06 43 36.8	*MPS* 59045	16.6	R	848
2002 NX	2002 07 17.38545	21 15 03.06	+06 43 43.3	*MPS* 59045	16.2	R	848
2002 NX	2002 07 17.38609	21 15 03.20	+06 43 50.9	*MPS* 59045			848
2002 NX	2002 07 18.35280	21 17 10.61	+09 45 48.2	*MPS* 59046	15.7	R	848
2002 NX	2002 07 18.35344	21 17 10.71	+09 45 55.1	*MPS* 59046	16.0	R	848
2002 NX	2002 07 18.35404	21 17 10.79	+09 46 01.8	*MPS* 59046	15.6	R	848
2002 NP_1	2002 07 16.42021	22 01 35.49	−26 07 10.1	*MPS* 59047			848
2002 NP_1	2002 07 16.42353	22 01 35.03	−26 07 05.0	*MPS* 59047			848
2002 NP_1	2002 07 16.42708	22 01 34.53	−26 06 58.3	*MPS* 59047			848
2002 NP_1	2002 07 17.41588	21 59 31.20	−25 52 34.1	*MPS* 59047	16.9	R	848
2002 NP_1	2002 07 17.41914	21 59 30.76	−25 52 33.5	*MPS* 59047	17.3	R	848
2002 NP_1	2002 07 17.42242	21 59 30.22	−25 52 31.4	*MPS* 59047			848
2002 NP_1	2002 07 18.41424	21 57 21.17	−25 37 32.2	*MPS* 59047	16.6	R	848
2002 NP_1	2002 07 18.41778	21 57 20.42	−25 37 30.8	*MPS* 59047	17.1	R	848
2002 NP_1	2002 07 18.42108	21 57 19.98	−25 37 28.2	*MPS* 59047			848
2002 NN_4	2002 07 12.39839	19 56 54.70	−05 05 11.3	*MPS* 59051			848
2002 NN_4	2002 07 12.39994	19 56 54.33	−05 05 11.7	*MPS* 59051			848
2002 NN_4	2002 07 12.40149	19 56 53.65	−05 05 12.1	*MPS* 59051			848
2002 NN_4	2002 07 17.36222	19 30 54.94	−05 21 52.2	*MPS* 59051			848
2002 NN_4	2002 07 17.36377	19 30 54.61	−05 21 51.6	*MPS* 59051			848
2002 NN_4	2002 07 17.36532	19 30 54.21	−05 21 55.2	*MPS* 59051			848
2002 NN_4	2002 07 17.36690	19 30 53.66	−05 21 53.4	*MPS* 59051	18.5	R	848
2002 NT_7	2002 07 17.42913	22 29 37.74	−10 05 22.2	*MPS* 59055			848
2002 NT_7	2002 07 17.43204	22 29 37.75	−10 05 29.1	*MPS* 59055			848
2002 NT_7	2002 07 18.41943	22 29 46.71	−10 40 27.2	*MPS* 59055			848
2002 NT_7	2002 07 18.42272	22 29 46.70	−10 40 35.6	*MPS* 59055			848
2002 NT_7	2002 07 18.42546	22 29 46.76	−10 40 41.9	*MPS* 59055			848
2002 NT_7	2002 07 20.42497	22 29 58.59	−11 56 06.6	*MPS* 59055	17.5	R	848
2002 NT_7	2002 07 20.42749	22 29 58.71	−11 56 12.2	*MPS* 59056			848
2002 NT_7	2002 07 20.43105	22 29 58.59	−11 56 20.6	*MPS* 59056			848
2002 NV_{16}	2002 07 16.31700	18 32 54.85	+14 36 22.5	*MPS* 59068			848
2002 NV_{16}	2002 07 16.31909	18 32 54.50	+14 36 28.6	*MPS* 59068			848
2002 NV_{16}	2002 07 17.31152	18 31 25.60	+15 20 22.8	*MPS* 59068	18.0	R	848
2002 NV_{16}	2002 07 17.31356	18 31 25.43	+15 20 25.6	*MPS* 59068			848
2002 NV_{16}	2002 07 18.30935	18 29 53.67	+16 05 34.0	*MPS* 59068			848
2002 NV_{16}	2002 07 18.31130	18 29 53.34	+16 05 39.7	*MPS* 59068	18.4	R	848
2002 NV_{16}	2002 07 18.31325	18 29 53.03	+16 05 45.6	*MPS* 59068	18.4	R	848
2002 NV_{16}	2002 07 18.31716	18 29 52.59	+16 05 56.2	*MPS* 59068			848
2002 NW_{16}	2002 07 16.44193	00 56 48.44	+13 58 07.3	*MPS* 59069			848
2002 NW_{16}	2002 07 16.44348	00 56 48.67	+13 58 14.5	*MPS* 59069			848
2002 NW_{16}	2002 07 16.44688	00 56 48.92	+13 58 26.9	*MPS* 59069			848
2002 NW_{16}	2002 07 17.43936	00 58 24.49	+14 59 59.0	*MPS* 59069	17.8	R	848
2002 NW_{16}	2002 07 17.44091	00 58 24.73	+15 00 03.6	*MPS* 59069			848
2002 NW_{16}	2002 07 17.44249	00 58 24.80	+15 00 10.1	*MPS* 59069			848
2002 NW_{16}	2002 07 18.43758	01 00 00.10	+16 02 02.8	*MPS* 59069			848
2002 NW_{16}	2002 07 18.43916	01 00 00.32	+16 02 09.7	*MPS* 59069			848
2002 NW_{16}	2002 07 18.44069	01 00 00.27	+16 02 14.0	*MPS* 59069			848
2002 NW_{16}	2002 07 20.44986	01 03 10.93	+18 07 37.0	*MPS* 59069			848
2002 NW_{16}	2002 07 20.45139	01 03 11.00	+18 07 41.9	*MPS* 59069			848
2002 NA_{31}	2002 07 16.38339	21 05 52.89	−04 44 42.0	*MPS* 59084			848
2002 NA_{31}	2002 07 16.38516	21 05 52.90	−04 44 47.3	*MPS* 59084			848
2002 NA_{31}	2002 07 16.38693	21 05 53.08	−04 44 54.9	*MPS* 59084			848
2002 NA_{31}	2002 07 16.38869	21 05 53.13	−04 44 59.9	*MPS* 59085			848
2002 NA_{31}	2002 07 18.33852	21 08 27.67	−06 37 36.3	*MPS* 59085			848
2002 NA_{31}	2002 07 18.34170	21 08 28.00	−06 37 48.0	*MPS* 59085			848
2002 NY_{31}	2002 07 16.39340	21 15 50.12	−23 49 56.9	*MPS* 59086	17.9	R	848
2002 NY_{31}	2002 07 16.39546	21 15 50.23	−23 50 00.8	*MPS* 59086			848
2002 NY_{31}	2002 07 16.39748	21 15 50.36	−23 50 08.2	*MPS* 59086			848
2002 NY_{40}	2002 07 18.34330	21 32 51.50	−06 03 39.9	*MPS* 59095			848
2002 NY_{40}	2002 07 18.36236	21 32 51.69	−06 03 31.6	*MPS* 59095	18.2	R	848
2002 NY_{40}	2002 07 18.38186	21 32 51.69	−06 03 28.0	*MPS* 59096			848
2002 NY_{40}	2002 07 18.40032	21 32 51.99	−06 03 22.5	*MPS* 59096			848
(3633)	2002 07 12.40468	20 04 26.03	−15 10 43.3	*MPS* 59211	16.5	R	848
(3633)	2002 07 12.41343	20 04 25.52	−15 10 44.5	*MPS* 59211	16.9	R	848

(3633)	2002 07 12.43359	20 04 24.29	−15 10 46.9	*MPS* 59211	16.5	R	848
(5887)	2002 07 18.34330	21 32 30.88	−06 11 20.0	*MPS* 59239			848
(5887)	2002 07 18.36236	21 32 30.12	−06 11 23.0	*MPS* 59239			848
(5887)	2002 07 18.40032	21 32 28.57	−06 11 30.2	*MPS* 59239			848
(8604)	2002 07 12.33545	20 06 44.86	−14 55 41.9	*MPS* 59267			848
(8604)	2002 07 12.34502	20 06 44.27	−14 55 44.0	*MPS* 59267			848
(8604)	2002 07 12.35378	20 06 43.79	−14 55 46.6	*MPS* 59267			848
(9552)	2002 05 15.30644	16 29 32.28	−09 16 43.1	*MPS* 58171	17.6		2 672
(9552)	2002 05 15.32681	16 29 31.49	−09 16 38.3	*MPS* 58171	17.7		2 672
(9552)	2002 05 15.34838	16 29 30.57	−09 16 34.3	*MPS* 58171	17.7		2 672
(9552)	2002 05 16.25175	16 28 55.13	−09 13 37.1	*MPS* 58171	17.8		2 672
(9552)	2002 05 16.28090	16 28 53.94	−09 13 31.4	*MPS* 58171	17.7		2 672
(9552)	2002 05 17.24375	16 28 15.57	−09 10 25.9	*MPS* 58171	17.5		2 672
(9552)	2002 05 17.27346	16 28 14.37	−09 10 20.0	*MPS* 58171	17.5		2 672
(9552)	2002 05 17.30647	16 28 13.04	−09 10 14.0	*MPS* 58171	17.5		2 672
(13601)	2002 07 12.38110	20 47 38.51	−04 52 33.8	*MPS* 59320			848
(13601)	2002 07 12.38940	20 47 38.19	−04 52 36.1	*MPS* 59320			848
(21600)	2002 07 12.34181	21 00 08.38	−11 34 28.5	*MPS* 59376	17.1	R	848
(21600)	2002 07 12.35157	21 00 08.00	−11 34 31.1	*MPS* 59376			848
(21600)	2002 07 12.36178	21 00 07.65	−11 34 35.1	*MPS* 59376			848
(22599)	2002 07 12.36814	20 41 34.59	−15 10 41.2	*MPS* 59388			848
(22599)	2002 07 12.37794	20 41 34.19	−15 10 47.5	*MPS* 59388			848
(22599)	2002 07 12.38778	20 41 33.68	−15 10 51.1	*MPS* 59388	17.8	R	848
(41358)	2002 07 12.37628	20 43 52.89	−17 28 44.8	*MPS* 59484	16.6	R	848
(41358)	2002 07 12.38622	20 43 52.43	−17 28 44.3	*MPS* 59484	17.0	R	848

Note 1: time corrected. 2: orginally published under observatory code 662.

DELETED OBSERVATIONS

The following observations are to be deleted.

Object		Date	UT	α_{2000}	δ_{2000}	Reference	Obs.
1998 RH_{42}		1998 09 01.01547	23 49 48.18	+03 08 50.5	*MPS* 35413		046
1998 RH_{42}		1998 09 01.01767	23 49 48.11	+03 08 49.3	*MPS* 35413		046
1998 RH_{42}		1998 09 01.01966	23 49 48.04	+03 08 49.9	*MPS* 35413		046
1998 RH_{42}		1998 09 01.02288	23 49 47.90	+03 08 49.1	*MPS* 35413		046
1998 RH_{42}		1998 09 01.02529	23 49 47.82	+03 08 48.9	*MPS* 35413		046
2001 VP_{123}	*	2001 11 14.50387	02 38 54.85	+18 53 59.6	*MPC* 44262		300
2001 VP_{123}		2001 11 14.51391	02 38 54.29	+18 53 59.5	*MPC* 44262		300
2001 XA_{256}	*	2001 12 14.13654	03 06 41.97	+12 27 12.6	*MPC* 45421		691
2001 XA_{256}		2001 12 14.15896	03 06 41.50	+12 27 14.7	*MPC* 45421		691
2001 XA_{256}		2001 12 14.18102	03 06 41.03	+12 27 17.3	*MPC* 45421		691
2002 CA_{305}	*	2002 02 11.30246	09 47 26.54	+16 55 57.9	*MPC* 45822		704
2002 CA_{305}		2002 02 11.31670	09 47 25.74	+16 56 02.1	*MPC* 45822		704
2002 CA_{305}		2002 02 11.33095	09 47 24.88	+16 56 05.7	*MPC* 45822		704
2002 CA_{305}		2002 02 11.34519	09 47 24.03	+16 56 09.5	*MPC* 45822		704
2002 CA_{305}		2002 02 11.35943	09 47 23.26	+16 56 13.0	*MPC* 45822		704

IDENTIFICATION CHANGES

Continuation to *MPC* 45821.

Object		Date	UT	α_{2000}	δ_{2000}	Originally	Mag.	N Obs.
1983 CZ_8	*	1983 02 10.89720	08 45 05.32	+27 58 52.6	1983 AG_4	17.5		095
1983 EN_4	*	1983 03 05.76557	08 29 29.11	+25 49 56.3	1983 AG_4	17.5		095
1986 WF_{11}	*	1986 11 28.92021	03 19 33.78	+20 09 21.2	1986 WO			046
1986 WF_{11}		1986 11 28.93583	03 19 32.98	+20 09 25.5	1986 WO			046
1990 SK_{30}	*	1990 09 28.35312	00 57 22.68	+03 10 59.9	1999 WU_{18}	19.8		675
1992 HN_7	*	1992 04 25.39339	15 04 03.10	−14 49 08.8	1995 GC_3			691
1992 HN_7		1992 04 25.41413	15 04 01.92	−14 49 04.2	1995 GC_3	19.7	V	691
1992 HN_7		1992 04 25.44197	15 04 00.36	−14 48 57.9	1995 GC_3			691
1995 UT_{82}	*	1995 10 27.62083	01 30 23.98	+21 08 20.9	1995 UZ_5	17.2		399
1995 UT_{82}		1995 10 27.63507	01 30 22.92	+21 08 16.6	1995 UZ_5			399
1997 AK_{25}	*	1997 01 15.37585	08 01 46.35	+18 06 19.4	2001 DQ_{73}	19.6	V 1	566
1997 AK_{25}		1997 01 15.38424	08 01 45.84	+18 06 19.9	2001 DQ_{73}	19.7	V 1	566
1997 AK_{25}		1997 01 15.39264	08 01 45.36	+18 06 20.8	2001 DQ_{73}	20.1	V 1	566
1998 EF_{22}	*	1998 03 04.20903	10 33 43.55	+09 17 53.8	1998 EB_{21}			809
1998 EF_{22}		1998 03 04.22222	10 33 42.89	+09 17 57.5	1998 EB_{21}			809
1998 EF_{22}		1998 03 04.23542	10 33 42.31	+09 18 00.3	1998 EB_{21}			809
1998 HA_{158}	*	1998 04 23.37517	15 24 46.44	−11 06 58.3	1998 HP_{157}	19.6	V	691
1998 HA_{158}		1998 04 23.39673	15 24 45.51	−11 06 53.8	1998 HP_{157}	19.7	V	691
1998 HA_{158}		1998 04 23.41812	15 24 44.57	−11 06 49.4	1998 HP_{157}	19.5	V	691
1998 QK_{111}	*	1998 08 27.37951	23 15 14.55	+08 18 07.0	1998 QL_{86}	19.6		704
1998 QK_{111}		1998 08 27.39701	23 15 13.88	+08 18 00.6	1998 QL_{86}	19.2		704
1998 QK_{111}		1998 08 27.41449	23 15 13.03	+08 17 57.7	1998 QL_{86}	19.2		704
1998 QK_{111}		1998 08 27.43194	23 15 12.13	+08 17 53.8	1998 QL_{86}	19.4		704
1998 QK_{111}		1998 08 27.44943	23 15 11.22	+08 17 47.9	1998 QL_{86}	20.1		704
1998 UD_{49}	*	1998 10 17.38975	01 22 39.37	+11 14 40.8	1998 TM_{31}	18.6	R	699
1998 UD_{49}		1998 10 17.39970	01 22 38.90	+11 14 35.1	1998 TM_{31}			699
1998 UD_{49}		1998 10 17.40964	01 22 38.31	+11 14 32.4	1998 TM_{31}			699
1998 UE_{49}	*	1998 10 23.32736	02 27 30.14	+13 28 39.5	1998 UC_{13}	18.7	V	691
1998 UE_{49}		1998 10 23.34899	02 27 28.76	+13 28 34.1	1998 UC_{13}	18.6	V	691
1998 UE_{49}		1998 10 23.37044	02 27 27.40	+13 28 28.8	1998 UC_{13}	18.6	V	691
1998 WB_{44}	*	1998 11 16.15333	02 05 44.99	+14 24 41.9	1998 UF_3	19.5	V	691
1998 WB_{44}		1998 11 16.17472	02 05 43.90	+14 24 36.3	1998 UF_3	19.6	V	691
1998 WB_{44}		1998 11 16.19630	02 05 42.82	+14 24 30.8	1998 UF_3	19.6	V	691
1998 WB_{44}		1998 11 16.21776	02 05 41.74	+14 24 24.8	1998 UF_3	20.0	V	691
1999 CT_{159}	*	1999 02 14.26974	09 06 13.39	+15 25 19.0	1999 CZ_{144}	20.0	V	691
1999 CT_{159}		1999 02 14.29230	09 06 12.00	+15 25 24.4	1999 CZ_{144}	20.2	V	691
1999 CT_{159}		1999 02 14.31415	09 06 10.61	+15 25 29.7	1999 CZ_{144}	20.1	V	691
1999 CU_{159}	*	1999 02 15.86855	09 21 23.92	+28 41 24.6	1999 CT_9	19.3	V	557
1999 CU_{159}		1999 02 15.89155	09 21 22.52	+28 41 27.0	1999 CT_9			557
1999 FZ_{61}	*	1999 03 27.02000	11 54 44.75	−04 24 59.9	1999 FG_{21}			046
1999 FZ_{61}		1999 03 27.02149	11 54 44.63	−04 24 58.9	1999 FG_{21}			046
1999 FZ_{61}		1999 03 27.02292	11 54 44.58	−04 24 58.2	1999 FG_{21}			046
1999 FZ_{61}		1999 03 27.02436	11 54 44.53	−04 24 57.8	1999 FG_{21}			046
1999 FZ_{61}		1999 03 27.02685	11 54 44.43	−04 24 57.2	1999 FG_{21}			046
1999 GP_{63}	*	1999 04 12.29807	13 24 05.58	−00 24 52.5	1999 GW_{29}	19.3		704
1999 GP_{63}		1999 04 12.31522	13 24 04.65	−00 24 50.7	1999 GW_{29}	19.4		704
1999 GP_{63}		1999 04 12.33240	13 24 03.49	−00 24 46.0	1999 GW_{29}	19.0		704
1999 GP_{63}		1999 04 12.34956	13 24 02.30	−00 24 41.3	1999 GW_{29}	19.1		704
1999 RT_{257}	*	1999 09 13.14075	21 06 20.42	−16 39 20.0	1999 RO_{244}	16.1	V	691
1999 RT_{257}		1999 09 13.16256	21 06 19.56	−16 39 18.8	1999 RO_{244}	20.7	V	691
1999 RT_{257}		1999 09 13.18435	21 06 18.99	−16 39 22.6	1999 RO_{244}	20.8	V	691
1999 RU_{257}	*	1999 09 08.32278	23 16 23.60	−04 16 27.5	1999 RN_{216}	19.4	V	691
1999 RU_{257}		1999 09 08.35213	23 16 22.24	−04 16 37.2	1999 RN_{216}	19.4	V	691
1999 RU_{257}		1999 09 08.38362	23 16 20.74	−04 16 47.4	1999 RN_{216}	19.5	V	691

1999 SE_{28}	*	1999 09 17.23037	23 20 16.56	−04 35 33.3	1999 RD_{251}	20.4	V	691
1999 SE_{28}		1999 09 17.25139	23 20 15.45	−04 35 41.4	1999 RD_{251}	20.2	V	691
1999 SE_{28}		1999 09 17.27263	23 20 14.26	−04 35 49.5	1999 RD_{251}	20.4	V	691
1999 TS_{327}	*	1999 10 15.25902	01 32 14.92	+04 38 37.5	1999 TZ_{259}	19.0		704
1999 TS_{327}		1999 10 15.27613	01 32 14.01	+04 38 34.3	1999 TZ_{259}	19.6		704
1999 TS_{327}		1999 10 15.29224	01 32 13.14	+04 38 31.4	1999 TZ_{259}	19.0		704
1999 TS_{327}		1999 10 15.30933	01 32 12.06	+04 38 26.3	1999 TZ_{259}	19.6		704
1999 TT_{327}	*	1999 10 06.18726	22 58 33.44	−04 41 13.2	1999 RH_{166}	20.2		704
1999 TT_{327}		1999 10 06.20048	22 58 32.98	−04 41 15.7	1999 RH_{166}	20.1		704
1999 TT_{327}		1999 10 06.21375	22 58 32.46	−04 41 18.5	1999 RH_{166}	20.2		704
1999 TT_{327}		1999 10 06.22714	22 58 31.91	−04 41 20.7	1999 RH_{166}	20.9		704
1999 TU_{327}	*	1999 10 09.26152	01 21 35.94	+04 18 52.3	1999 VD_{75}	19.6		704
1999 TU_{327}		1999 10 09.27693	01 21 35.14	+04 18 47.5	1999 VD_{75}	19.7		704
1999 TU_{327}		1999 10 09.29251	01 21 34.23	+04 18 42.1	1999 VD_{75}	19.4		704
1999 TU_{327}		1999 10 09.30795	01 21 33.34	+04 18 36.5	1999 VD_{75}	19.9		704
1999 TV_{327}	*	1999 10 15.30946	23 22 18.53	−04 17 22.2	1999 TL_{294}	22.0	V	691
1999 TV_{327}		1999 10 15.31614	23 22 18.32	−04 17 23.4	1999 TL_{294}	21.9	V	691
1999 TV_{327}		1999 10 15.32327	23 22 18.19	−04 17 25.0	1999 TL_{294}	21.9	V	691
1999 TW_{327}	*	1999 10 11.24288	03 00 04.53	+15 05 09.8	1999 SY_{26}	19.2		704
1999 TW_{327}		1999 10 11.25192	03 00 04.13	+15 05 05.4	1999 SY_{26}	19.8		704
1999 TW_{327}		1999 10 11.26099	03 00 03.74	+15 05 02.6	1999 SY_{26}	19.7		704
1999 TW_{327}		1999 10 11.27026	03 00 03.42	+15 04 59.1	1999 SY_{26}	20.0		704
1999 TW_{327}		1999 10 11.27931	03 00 03.11	+15 04 55.2	1999 SY_{26}	20.0		704
1999 UK_{63}	*	1999 10 20.18785	02 04 30.08	+12 14 17.4	1999 TX_{319}	20.7	V	691
1999 UK_{63}		1999 10 20.20985	02 04 28.81	+12 14 12.3	1999 TX_{319}	20.6	V	691
1999 UK_{63}		1999 10 20.23143	02 04 27.60	+12 14 07.5	1999 TX_{319}	20.6	V	691
1999 UL_{63}	*	1999 10 20.18838	02 05 16.05	+12 06 56.5	1999 TW_{319}	20.1	V	691
1999 UL_{63}		1999 10 20.21038	02 05 14.96	+12 06 49.8	1999 TW_{319}	19.9	V	691
1999 UL_{63}		1999 10 20.23196	02 05 13.89	+12 06 43.5	1999 TW_{319}	19.9	V	691
1999 UM_{63}	*	1999 10 30.33014	01 51 10.63	+11 20 59.9	1999 UZ_{54}	21.2	V	691
1999 UM_{63}		1999 10 30.35124	01 51 09.53	+11 20 54.4	1999 UZ_{54}	21.3	V	691
1999 UM_{63}		1999 10 30.37235	01 51 08.54	+11 20 48.8	1999 UZ_{54}	20.7	V	691
1999 UN_{63}	*	1999 10 16.48215	02 51 35.09	+17 27 50.9	1999 VQ_{14}	21.1	V	691
1999 UN_{63}		1999 10 16.49389	02 51 34.47	+17 27 52.6	1999 VQ_{14}	21.8	V	691
1999 UN_{63}		1999 10 16.50555	02 51 33.86	+17 27 52.4	1999 VQ_{14}	21.6	V	691
1999 UO_{63}	*	1999 10 30.19110	23 26 52.50	−01 11 33.8	1999 UO_{54}	21.4	V	691
1999 UO_{63}		1999 10 30.21201	23 26 52.27	−01 11 35.2	1999 UO_{54}	20.9	V	691
1999 UO_{63}		1999 10 30.23268	23 26 52.07	−01 11 35.6	1999 UO_{54}	20.8	V	691
1999 VY_{229}	*	1999 11 14.29853	01 50 39.53	+12 11 36.6	1999 VX_{220}	20.5	V	691
1999 VY_{229}		1999 11 14.32011	01 50 38.58	+12 11 34.9	1999 VX_{220}	20.2	V	691
1999 VY_{229}		1999 11 14.34174	01 50 37.64	+12 11 31.9	1999 VX_{220}	20.6	V	691
1999 VZ_{229}	*	1999 11 09.16110	00 39 00.13	+02 34 43.8	1999 VG_{214}	20.7	V	691
1999 VZ_{229}		1999 11 09.16779	00 38 59.97	+02 34 42.4	1999 VG_{214}	21.2	V	691
1999 VZ_{229}		1999 11 09.17395	00 38 59.79	+02 34 41.2	1999 VG_{214}	21.1	V	691
1999 VZ_{229}		1999 11 09.18382	00 38 59.56	+02 34 39.1	1999 VG_{214}	20.7	V	691
1999 VZ_{229}		1999 11 09.19154	00 38 59.35	+02 34 37.7	1999 VG_{214}	20.7	V	691
1999 VZ_{229}		1999 11 09.19932	00 38 59.14	+02 34 35.8	1999 VG_{214}	20.9	V	691
1999 XV_{263}	*	1999 12 08.26713	04 11 11.52	+14 45 09.0	2000 AX_{248}	19.3		704
1999 XV_{263}		1999 12 08.27956	04 11 10.84	+14 45 10.3	2000 AX_{248}	20.0		704
1999 XV_{263}		1999 12 08.29196	04 11 10.01	+14 45 12.7	2000 AX_{248}	19.7		704
1999 YT_{28}	*	1999 12 18.32999	08 08 22.33	+22 50 54.9	1999 XU_{260}	21.0	V	691
1999 YT_{28}		1999 12 18.35239	08 08 21.39	+22 50 58.7	1999 XU_{260}	21.1	V	691
1999 YT_{28}		1999 12 18.37490	08 08 20.44	+22 51 02.2	1999 XU_{260}	21.3	V	691
1999 YU_{28}	*	1999 12 18.24535	05 14 27.23	+22 11 08.5	1999 XN_{260}	21.0	V	691
1999 YU_{28}		1999 12 18.26769	05 14 25.92	+22 11 07.3	1999 XN_{260}	20.8	V	691
1999 YU_{28}		1999 12 18.29036	05 14 24.58	+22 11 05.5	1999 XN_{260}	21.1	V	691
1999 YV_{28}	*	1999 12 31.61208	08 55 28.86	+17 51 24.1	1999 YY_{20}			568
1999 YV_{28}		1999 12 31.63278	08 55 28.07	+17 51 25.3	1999 YY_{20}			568
1999 YW_{28}	*	1999 12 27.21682	04 51 38.56	+21 51 08.0	1999 XB_{70}	20.7	V	691
1999 YW_{28}		1999 12 27.23981	04 51 37.40	+21 51 10.3	1999 XB_{70}	20.7	V	691
1999 YW_{28}		1999 12 27.26259	04 51 36.18	+21 51 12.6	1999 XB_{70}	20.8	V	691
2000 AR_{256}	*	2000 01 12.43384	09 22 37.36	+16 24 02.2	2000 AQ_{249}	20.3	V	691
2000 AR_{256}		2000 01 12.45524	09 22 36.49	+16 24 08.6	2000 AQ_{249}	20.4	V	691
2000 AR_{256}		2000 01 12.47765	09 22 35.56	+16 24 14.9	2000 AQ_{249}	20.3	V	691
2000 AS_{256}	*	2000 01 11.32129	07 48 48.91	+22 28 32.3	1999 YU_{26}	21.1	V	691
2000 AS_{256}		2000 01 11.34458	07 48 47.47	+22 28 38.1	1999 YU_{26}	21.4	V	691
2000 AS_{256}		2000 01 11.36776	07 48 46.06	+22 28 44.6	1999 YU_{26}	21.2	V	691
2000 AT_{256}	*	2000 01 12.10199	03 43 36.48	+16 32 45.3	1999 YC_{27}	20.5	V	691
2000 AT_{256}		2000 01 12.12373	03 43 36.34	+16 32 47.7	1999 YC_{27}	20.8	V	691
2000 AT_{256}		2000 01 12.14553	03 43 36.18	+16 32 50.2	1999 YC_{27}	20.7	V	691
2000 CD_{147}	*	2000 02 11.32116	09 34 32.84	+18 08 29.3	2000 CZ_{125}	19.4		704
2000 CD_{147}		2000 02 11.33555	09 34 32.01	+18 08 33.5	2000 CZ_{125}	18.7		704
2000 CD_{147}		2000 02 11.34994	09 34 31.20	+18 08 36.5	2000 CZ_{125}	18.8		704
2000 CD_{147}		2000 02 11.36436	09 34 30.34	+18 08 40.2	2000 CZ_{125}	18.8		704
2000 CE_{147}	*	2000 02 11.25217	08 03 50.72	+26 07 06.1	2000 BE_{36}	19.3		704
2000 CE_{147}		2000 02 11.26679	08 03 50.06	+26 07 09.7	2000 BE_{36}	19.1		704
2000 CE_{147}		2000 02 11.28132	08 03 49.40	+26 07 13.0	2000 BE_{36}	19.3		704
2000 CF_{147}	*	2000 02 06.31074	09 20 23.86	+16 59 44.7	2000 BW_{48}	22.3	R	695
2000 CF_{147}		2000 02 06.43987	09 20 16.72	+17 00 22.8	2000 BW_{48}			695
2000 CG_{147}	*	2000 02 08.25235	08 32 10.24	+18 06 28.1	2000 CN_{117}	21.0	V	691
2000 CG_{147}		2000 02 08.27491	08 32 08.92	+18 06 33.0	2000 CN_{117}	20.5	V	691
2000 CG_{147}		2000 02 08.29760	08 32 07.58	+18 06 38.3	2000 CN_{117}	20.7	V	691
2000 EN_{205}	*	2000 03 11.18557	09 13 03.20	+16 51 20.0	2000 EY_{185}	20.4	V	691
2000 EN_{205}		2000 03 11.20746	09 13 02.52	+16 51 24.7	2000 EY_{185}	20.1	V	691
2000 EN_{205}		2000 03 11.22933	09 13 01.86	+16 51 29.7	2000 EY_{185}	20.3	V	691
2000 EO_{205}	*	2000 03 11.18783	09 16 18.60	+16 57 46.1	2000 EA_{186}	19.9	V	691
2000 EO_{205}		2000 03 11.20971	09 16 17.76	+16 57 48.0	2000 EA_{186}	19.3	V	691
2000 EO_{205}		2000 03 11.23159	09 16 16.93	+16 57 49.7	2000 EA_{186}	19.2	V	691
2000 EP_{205}	*	2000 03 12.33692	11 01 24.63	+26 10 58.3	2000 EC_{201}	18.8		704
2000 EP_{205}		2000 03 12.34965	11 01 23.89	+26 11 00.5	2000 EC_{201}	19.5		704
2000 EP_{205}		2000 03 12.36238	11 01 23.18	+26 11 02.5	2000 EC_{201}	19.4		704
2000 ER_{205}	*	2000 03 12.18678	09 51 54.33	+13 19 51.6	2000 EP_{175}	20.5	V	691
2000 ER_{205}		2000 03 12.20815	09 51 53.53	+13 19 56.7	2000 EP_{175}	20.5	V	691
2000 ER_{205}		2000 03 12.22957	09 51 52.71	+13 20 01.6	2000 EP_{175}	20.4	V	691
2000 FC_{74}	*	2000 03 31.87835	11 51 01.37	+07 13 28.5	2000 FJ_{57}	18.7	V	049
2000 FC_{74}		2000 03 31.88697	11 51 00.93	+07 13 30.1	2000 FJ_{57}	19.5	V	049
2000 FC_{74}		2000 03 31.89597	11 51 00.50	+07 13 33.1	2000 FJ_{57}	18.9	V	049
2000 GW_{185}	*	2000 04 10.18565	09 50 05.43	+11 22 28.4	2000 FZ_{58}	21.7	V	691
2000 GW_{185}		2000 04 10.18949	09 50 05.52	+11 22 28.0	2000 FZ_{58}	21.6	V	691
2000 GW_{185}		2000 04 10.20460	09 50 05.75	+11 22 28.5	2000 FZ_{58}	21.7	V	691
2000 GX_{185}	*	2000 04 10.22304	11 36 29.97	+01 26 10.9	2000 GL_{183}	20.8	R	695
2000 GX_{185}		2000 04 10.30563	11 36 26.93	+01 26 32.4	2000 GL_{183}			695
2000 JL_{89}	*	2000 05 11.28931	14 46 06.31	−10 03 03.2	2000 JX_{83}	19.1	R	699
2000 JL_{89}		2000 05 11.30830	14 46 05.40	−10 02 54.0	2000 JX_{83}			699
2000 JL_{89}		2000 05 11.32724	14 46 04.45	−10 02 49.7	2000 JX_{83}			699
2000 JL_{89}		2000 05 11.34615	14 46 03.48	−10 02 45.6	2000 JX_{83}			699

2000 ST_{371}	*	2000 09 24.25489	22 33 00.70	−05 44 55.6	2000 QC_{81}	19.0		704	2001 CO_{49}	*	2001 02 03.30887	10 43 45.56	+09 17 58.8	2001 BO_{72}	18.8		704
2000 ST_{371}		2000 09 24.26977	22 33 00.16	−05 44 57.1	2000 QC_{81}	19.3		704	2001 CO_{49}		2001 02 03.32387	10 43 44.96	+09 17 59.8	2001 BO_{72}	19.0		704
2000 ST_{371}		2000 09 24.28466	22 32 59.60	−05 44 59.9	2000 QC_{81}	19.7		704	2001 CO_{49}		2001 02 03.33872	10 43 44.17	+09 18 02.8	2001 BO_{72}	19.1		704
2000 ST_{371}		2000 09 24.31446	22 32 58.48	−05 45 05.2	2000 QC_{81}	19.4		704	2001 DX_{108}	*	2001 02 17.54299	10 52 15.88	−06 19 04.0	2001 FM_{118}	21.1		608
2000 TT_{71}	*	2000 10 04.27478	01 10 11.06	+04 34 48.5	2000 TB_{27}	19.5		704	2001 DX_{108}		2001 02 17.55294	10 52 15.43	−06 19 01.7	2001 FM_{118}	20.9		608
2000 TT_{71}		2000 10 04.28983	01 10 10.36	+04 34 43.1	2000 TB_{27}	19.6		704	2001 DX_{108}		2001 02 17.56421	10 52 14.81	−06 18 58.7	2001 FM_{118}	20.8		608
2000 TT_{71}		2000 10 04.30489	01 10 09.52	+04 34 37.5	2000 TB_{27}	19.6		704	2001 DY_{108}	*	2001 02 21.27299	09 33 42.34	+30 24 15.7	2001 DL_{50}	19.3		704
2000 TT_{71}		2000 10 04.32044	01 10 08.70	+04 34 31.9	2000 TB_{27}	19.8		704	2001 DY_{108}		2001 02 21.30138	09 33 40.85	+30 24 21.2	2001 DL_{50}	19.0		704
2000 UY_{113}	*	2000 10 21.26411	00 11 54.78	−05 21 35.5	2000 SR_{338}	20.4	V	691	2001 DY_{108}		2001 02 21.31702	09 33 39.96	+30 24 25.7	2001 DL_{50}	18.4		704
2000 UY_{113}		2000 10 21.26830	00 11 54.54	−05 21 35.4	2000 SR_{338}	20.6	V	691	2001 FV_{194}	*	2001 03 19.12744	09 28 40.48	+15 55 02.6	2001 DQ_1	19.9	V	691
2000 UY_{113}		2000 10 21.27238	00 11 54.33	−05 21 35.5	2000 SR_{338}	20.4	V	691	2001 FV_{194}		2001 03 19.14923	09 28 39.86	+15 55 06.6	2001 DQ_1	20.4	V	691
2000 UZ_{113}	*	2000 10 25.22508	00 23 00.67	+09 10 23.6	2000 RZ_{56}	19.2		704	2001 FV_{194}		2001 03 19.17196	09 28 39.26	+15 55 10.5	2001 DQ_1	20.6	V	691
2000 UZ_{113}		2000 10 25.25275	00 22 59.52	+09 10 14.5	2000 RZ_{56}	19.5		704	2001 FW_{194}	*	2001 03 26.26218	11 15 45.32	−07 27 28.6	2001 FR_{166}	19.3		704
2000 UZ_{113}		2000 10 25.28101	00 22 58.29	+09 10 04.7	2000 RZ_{56}	19.7		704	2001 FW_{194}		2001 03 26.27534	11 15 44.64	−07 27 26.3	2001 FR_{166}	19.1		704
2000 VO_{64}	*	2000 11 03.22097	01 18 36.70	−02 10 20.3	2000 SO_{82}	18.5		704	2001 FW_{194}		2001 03 26.28809	11 15 44.08	−07 27 22.7	2001 FR_{166}	19.0		704
2000 VO_{64}		2000 11 03.23521	01 18 36.07	−02 10 22.3	2000 SO_{82}	18.8		704	2001 FW_{194}		2001 03 26.30039	11 15 43.39	−07 27 20.2	2001 FR_{166}	19.0		704
2000 VO_{64}		2000 11 03.24981	01 18 35.28	−02 10 23.0	2000 SO_{82}	19.4		704	2001 FX_{194}	*	2001 03 26.24242	11 03 34.63	+11 38 08.2	2001 FV_{61}	18.7		704
2000 VO_{64}		2000 11 03.26457	01 18 34.63	−02 10 23.9	2000 SO_{82}	19.6		704	2001 FX_{194}		2001 03 26.25475	11 03 33.93	+11 38 12.9	2001 FV_{61}	18.7		704
2000 WK_{195}	*	2000 11 21.31804	05 17 43.27	+17 45 37.5	2000 RM_{55}	18.7		704	2001 FX_{194}		2001 03 26.26711	11 03 33.36	+11 38 17.9	2001 FV_{61}	19.3		704
2000 WK_{195}		2000 11 21.33336	05 17 42.37	+17 45 36.6	2000 RM_{55}	19.1		704	2001 FX_{194}		2001 03 26.29191	11 03 32.01	+11 38 24.7	2001 FV_{61}	19.2		704
2000 WK_{195}		2000 11 21.34902	05 17 41.44	+17 45 33.6	2000 RM_{55}	19.3		704	2001 ML_{30}	*	2001 06 19.39016	20 48 03.28	−22 57 55.3	2001 ML_1	19.0		644
2000 WK_{195}		2000 11 21.36511	05 17 40.62	+17 45 30.2	2000 RM_{55}	18.8		704	2001 ML_{30}		2001 06 19.40184	20 48 03.21	−22 58 01.9	2001 ML_1	19.0		644
2000 WK_{195}		2000 11 21.38011	05 17 39.84	+17 45 27.7	2000 RM_{55}	18.5		704	2001 ML_{30}		2001 06 19.41230	20 48 03.17	−22 58 08.1	2001 ML_1	19.2		644
2000 WL_{195}	*	2000 11 26.27243	03 25 32.76	+06 38 28.6	2000 UG_{109}	19.3		704	2001 ON_{110}	*	2001 07 19.29674	20 16 50.78	−26 24 43.6	2001 MH_{19}	19.6		644
2000 WL_{195}		2000 11 26.28972	03 25 31.87	+06 38 27.2	2000 UG_{109}	18.9		704	2001 ON_{110}		2001 07 19.30759	20 16 50.12	−26 24 46.3	2001 MH_{19}	19.4		644
2000 WL_{195}		2000 11 26.30570	03 25 30.98	+06 38 26.7	2000 UG_{109}	19.3		704	2001 ON_{110}		2001 07 19.31835	20 16 49.40	−26 24 48.9	2001 MH_{19}	19.4		644
2000 WM_{195}	*	2000 11 27.23114	02 34 01.73	+16 52 40.2	2000 WD_{30}	19.6		704	2001 QL_{327}	*	2001 08 25.27639	23 01 21.24	+03 13 05.3	2001 SJ_{123}	19.9		704
2000 WM_{195}		2000 11 27.24556	02 34 00.95	+16 52 38.1	2000 WD_{30}	19.8		704	2001 QL_{327}		2001 08 25.28936	23 01 20.73	+03 12 59.8	2001 SJ_{123}	20.2		704
2000 WM_{195}		2000 11 27.27440	02 33 59.54	+16 52 31.4	2000 WD_{30}	19.7		704	2001 QL_{327}		2001 08 25.30237	23 01 20.05	+03 12 53.9	2001 SJ_{123}	19.9		704
2000 WN_{195}	*	2000 11 29.07121	00 34 25.19	+04 58 26.3	2000 TS_8	20.0	V	691	2001 QL_{327}		2001 08 25.31542	23 01 19.51	+03 12 48.7	2001 SJ_{123}	19.8		704
2000 WN_{195}		2000 11 29.09197	00 34 25.47	+04 58 25.7	2000 TS_8	20.1	V	691	2001 QL_{327}		2001 08 25.32842	23 01 18.97	+03 12 42.9	2001 SJ_{123}	19.9		704
2000 WN_{195}		2000 11 29.11278	00 34 25.75	+04 58 25.3	2000 TS_8	20.1	V	691	2001 QM_{327}	*	2001 08 16.23216	21 37 12.26	−29 11 29.2	2001 OY_{38}	18.3		644
2000 XC_{55}	*	2000 12 04.38124	07 28 33.99	+21 17 51.8	2000 WS_{186}	20.3	V	691	2001 QM_{327}		2001 08 16.24264	21 37 11.65	−29 11 31.6	2001 OY_{38}	18.2		644
2000 XC_{55}		2000 12 04.38538	07 28 33.89	+21 17 52.2	2000 WS_{186}	20.3	V	691	2001 QM_{327}		2001 08 16.25319	21 37 11.10	−29 11 34.2	2001 OY_{38}	18.4		644
2000 XC_{55}		2000 12 04.38979	07 28 33.77	+21 17 52.6	2000 WS_{186}	20.3	V	691	2001 RH_{154}	*	2001 09 08.19355	22 50 53.00	+01 13 01.0	2001 QS_{142}	19.4		704
2001 AF_{53}	*	2001 01 01.97630	07 17 35.09	+14 10 37.7	2000 YQ_{134}	18.5		461	2001 RH_{154}		2001 09 08.20716	22 50 52.36	+01 12 53.2	2001 QS_{142}	20.0		704
2001 AF_{53}		2001 01 01.97920	07 17 34.90	+14 10 37.7	2000 YQ_{134}			461	2001 RH_{154}		2001 09 08.22097	22 50 51.66	+01 12 45.4	2001 QS_{142}	19.6		704
2001 AF_{53}		2001 01 01.98212	07 17 34.76	+14 10 38.3	2000 YQ_{134}			461	2001 RH_{154}		2001 09 08.23462	22 50 51.03	+01 12 37.8	2001 QS_{142}	20.2		704
2001 AG_{53}	*	2001 01 04.30510	07 24 47.87	+31 21 41.4	2000 WQ_{120}	18.4		704	2001 RH_{154}		2001 09 08.24827	22 50 50.36	+01 12 30.6	2001 QS_{142}	19.7		704
2001 AG_{53}		2001 01 04.32022	07 24 46.61	+31 21 46.2	2000 WQ_{120}	19.3		704	2001 SS_{348}	*	2001 09 21.35236	01 16 45.81	+04 46 08.7	2001 SC_{173}	20.0		704
2001 AG_{53}		2001 01 04.33533	07 24 45.65	+31 21 49.3	2000 WQ_{120}	19.3		704	2001 SS_{348}		2001 09 21.37056	01 16 44.97	+04 46 03.3	2001 SC_{173}	19.9		704
2001 AG_{53}		2001 01 04.35044	07 24 44.52	+31 21 52.9	2000 WQ_{120}	19.1		704	2001 SS_{348}		2001 09 21.39897	01 16 43.62	+04 45 53.8	2001 SC_{173}	20.2		704
2001 AG_{53}		2001 01 04.36556	07 24 43.45	+31 21 56.9	2000 WQ_{120}	19.3		704	2001 ST_{348}	*	2001 09 26.33410	01 17 56.43	+06 58 20.6	2001 UM_{85}	19.5		704
2001 AH_{53}	*	2001 01 05.33942	07 51 24.26	+31 04 10.4	2000 XA_1	19.3		704	2001 ST_{348}		2001 09 26.34880	01 17 55.77	+06 58 16.1	2001 UM_{85}	19.9		704
2001 AH_{53}		2001 01 05.35481	07 51 23.32	+31 04 13.5	2000 XA_1	19.1		704	2001 ST_{348}		2001 09 26.36337	01 17 54.98	+06 58 10.6	2001 UM_{85}	20.2		704
2001 AH_{53}		2001 01 05.37019	07 51 22.32	+31 04 16.2	2000 XA_1	19.4		704	2001 SU_{348}	*	2001 09 26.34948	01 35 49.95	+05 09 09.9	2001 SS_{320}	19.8		704
2001 BB_{82}	*	2001 01 19.27129	06 55 47.03	+28 49 28.1	2001 AY_{21}	19.5		704	2001 SU_{348}		2001 09 26.36406	01 35 49.35	+05 09 07.9	2001 SS_{320}	20.2		704
2001 BB_{82}		2001 01 19.28653	06 55 46.07	+28 49 29.3	2001 AY_{21}	19.3		704	2001 SU_{348}		2001 09 26.37864	01 35 48.64	+05 09 05.1	2001 SS_{320}	20.3		704
2001 BB_{82}		2001 01 19.30228	06 55 45.05	+28 49 29.4	2001 AY_{21}	19.8		704	2001 TT_{239}	*	2001 10 11.26164	00 48 33.55	−04 59 00.1	2001 TG_{237}	19.1		704
2001 BC_{82}	*	2001 01 21.16923	05 37 57.71	+07 42 45.8	2001 EU_{17}	18.6		704	2001 TT_{239}		2001 10 11.27808	00 48 32.72	−04 59 01.9	2001 TG_{237}	19.2		704
2001 BC_{82}		2001 01 21.18605	05 37 57.27	+07 42 56.7	2001 EU_{17}	18.8		704	2001 TT_{239}		2001 10 11.29429	00 48 31.98	−04 59 03.9	2001 TG_{237}	19.4		704
2001 BC_{82}		2001 01 21.20362	05 37 56.71	+07 43 07.1	2001 EU_{17}	18.6		704	2001 TT_{239}		2001 10 11.31052	00 48 31.18	−04 59 06.4	2001 TG_{237}	19.3		704
2001 BC_{82}		2001 01 21.22167	05 37 56.11	+07 43 18.8	2001 EU_{17}	18.6		704	2001 TV_{239}	*	2001 10 11.20492	23 56 31.95	−04 18 01.7	2001 RK_{134}	19.2		704

2001 TV_{239}		2001 10 11.22116	23 56 31.05	−04 17 59.4	2001 RK_{134}	19.1		704
2001 TV_{239}		2001 10 11.23737	23 56 30.36	−04 17 58.3	2001 RK_{134}	19.2		704
2001 TV_{239}		2001 10 11.25363	23 56 29.60	−04 17 56.5	2001 RK_{134}	19.8		704
2001 TW_{239}	*	2001 10 15.14966	23 11 32.21	+11 21 09.6	2001 QK_{265}	21.8	V	291
2001 TW_{239}		2001 10 15.17120	23 11 31.54	+11 21 01.6	2001 QK_{265}	21.9	V	291
2001 TW_{239}		2001 10 15.19204	23 11 30.89	+11 20 53.9	2001 QK_{265}	21.2	V	291
2001 TX_{239}	*	2001 10 15.24887	00 58 18.79	+07 32 50.4	2001 TN_{207}	20.6	V	691
2001 TX_{239}		2001 10 15.27196	00 58 17.52	+07 32 42.3	2001 TN_{207}	21.2	V	691
2001 TX_{239}		2001 10 15.29498	00 58 16.24	+07 32 35.4	2001 TN_{207}	21.5	V	691
2001 TY_{239}	*	2001 10 15.34693	01 19 57.17	−04 29 46.0	2001 TM_{201}	20.3		644
2001 TY_{239}		2001 10 15.35749	01 19 56.65	−04 29 51.3	2001 TM_{201}	20.8		644
2001 TY_{239}		2001 10 15.36798	01 19 56.11	−04 29 56.7	2001 TM_{201}	20.3		644
2001 UO_{218}	*	2001 10 17.16905	23 06 14.27	+08 56 55.9	2001 RT_{39}	19.7		704
2001 UO_{218}		2001 10 17.18484	23 06 13.95	+08 56 48.3	2001 RT_{39}	20.2		704
2001 UO_{218}		2001 10 17.20053	23 06 13.59	+08 56 43.2	2001 RT_{39}	20.2		704
2001 UP_{218}	*	2001 10 18.22950	00 38 41.55	+05 51 59.3	2001 TF_{162}	20.8		644
2001 UP_{218}		2001 10 18.25061	00 38 40.59	+05 51 51.4	2001 TF_{162}	20.4		644
2001 UP_{218}		2001 10 18.27204	00 38 39.59	+05 51 42.9	2001 TF_{162}	20.5		644
2001 UQ_{218}	*	2001 10 20.04488	02 14 27.18	+17 45 59.1	2001 TZ_{223}			557
2001 UQ_{218}		2001 10 20.05058	02 14 26.76	+17 45 58.3	2001 TZ_{223}	20	V	557
2001 UR_{218}	*	2001 10 20.17556	23 29 33.40	−07 45 24.9	2001 RL_{139}	18.9		704
2001 UR_{218}		2001 10 20.19217	23 29 32.95	−07 45 27.4	2001 RL_{139}	19.0		704
2001 UR_{218}		2001 10 20.22847	23 29 32.19	−07 45 32.3	2001 RL_{139}	19.2		704
2001 US_{218}	*	2001 10 20.26713	01 17 32.06	+03 11 36.7	2001 SC_{245}	18.8		704
2001 US_{218}		2001 10 20.28357	01 17 31.16	+03 11 31.5	2001 SC_{245}	19.5		704
2001 US_{218}		2001 10 20.29999	01 17 30.14	+03 11 25.8	2001 SC_{245}	19.2		704
2001 UT_{218}	*	2001 10 20.27367	01 50 33.00	+06 07 23.4	2001 US_{31}	19.4		704
2001 UT_{218}		2001 10 20.29011	01 50 32.09	+06 07 20.9	2001 US_{31}	19.3		704
2001 UT_{218}		2001 10 20.30654	01 50 31.21	+06 07 16.4	2001 US_{31}	19.2		704
2001 UU_{218}	*	2001 10 20.39172	01 01 58.05	+01 09 31.6	2001 TU_{170}	20.2		644
2001 UU_{218}		2001 10 20.41406	01 01 56.98	+01 09 24.9	2001 TU_{170}	20.4		644
2001 UU_{218}		2001 10 20.43543	01 01 55.92	+01 09 17.4	2001 TU_{170}	21.0		644
2001 UV_{218}	*	2001 10 23.26529	01 21 21.20	−02 57 27.1	2001 SC_{169}	20.2		644
2001 UV_{218}		2001 10 23.28556	01 21 20.21	−02 57 30.5	2001 SC_{169}	20.5		644
2001 UV_{218}		2001 10 23.30683	01 21 19.16	−02 57 34.4	2001 SC_{169}	20.2		644
2001 UW_{218}	*	2001 10 23.51730	03 34 58.87	+00 42 49.6	2001 UO_{94}	19.7		644
2001 UW_{218}		2001 10 23.52787	03 34 58.39	+00 42 47.3	2001 UO_{94}	20.0		644
2001 UW_{218}		2001 10 23.53841	03 34 57.96	+00 42 45.2	2001 UO_{94}	20.8		644
2001 UX_{218}	*	2001 10 24.26624	01 37 05.61	+05 17 16.3	2001 SH_{234}	20.0		704
2001 UX_{218}		2001 10 24.28279	01 37 04.71	+05 17 10.1	2001 SH_{234}	19.4		704
2001 UX_{218}		2001 10 24.29933	01 37 03.92	+05 17 05.1	2001 SH_{234}	19.5		704
2001 UX_{218}		2001 10 24.31588	01 37 03.15	+05 16 56.7	2001 SH_{234}	19.7		704
2001 UY_{218}	*	2001 10 26.33815	01 50 00.43	+10 53 48.2	2001 UX_{176}	19.5		704
2001 UY_{218}		2001 10 26.35463	01 49 59.68	+10 53 41.8	2001 UX_{176}	19.6		704
2001 UY_{218}		2001 10 26.37112	01 49 58.92	+10 53 38.3	2001 UX_{176}	19.7		704
2001 UZ_{218}	*	2001 10 26.33864	01 56 21.88	+12 36 56.7	2001 UB_{177}	19.3		704
2001 UZ_{218}		2001 10 26.35513	01 56 20.99	+12 36 49.7	2001 UB_{177}	19.9		704
2001 UZ_{218}		2001 10 26.37161	01 56 20.15	+12 36 40.7	2001 UB_{177}	19.7		704
2001 UA_{219}	*	2001 10 26.37416	02 30 32.79	+20 09 03.0	2001 UD_{216}	18.9		644
2001 UA_{219}		2001 10 26.39556	02 30 31.35	+20 09 02.9	2001 UD_{216}	18.9		644
2001 UA_{219}		2001 10 26.41655	02 30 29.92	+20 09 02.6	2001 UD_{216}	19.2		644
2001 UB_{219}	*	2001 10 26.37416	02 30 37.38	+20 08 48.4	2001 UE_{216}	18.9		644
2001 UB_{219}		2001 10 26.39556	02 30 35.97	+20 08 48.6	2001 UE_{216}	18.6		644
2001 UB_{219}		2001 10 26.41655	02 30 34.61	+20 08 48.9	2001 UE_{216}	18.5		644
2001 WX_{98}	*	2001 11 17.22184	02 14 17.77	+16 23 23.8	2001 VU_{83}	19.6		704
2001 WX_{98}		2001 11 17.25058	02 14 16.36	+16 23 15.4	2001 VU_{83}	20.1		704
2001 WX_{98}		2001 11 17.26495	02 14 15.74	+16 23 12.1	2001 VU_{83}	20.3		704
2001 WY_{98}	*	2001 11 18.12116	01 46 03.85	+07 40 35.2	2001 UQ_{139}	21.6	V	691
2001 WY_{98}		2001 11 18.12497	01 46 03.72	+07 40 33.9	2001 UQ_{139}	21.6	V	691
2001 WY_{98}		2001 11 18.12875	01 46 03.59	+07 40 33.2	2001 UQ_{139}	21.8	V	691
2001 WZ_{98}	*	2001 11 19.35727	04 35 36.66	+24 34 24.9	2001 VL_{114}	19.9		704
2001 WZ_{98}		2001 11 19.38664	04 35 35.17	+24 34 25.1	2001 VL_{114}	20.6		704
2001 WZ_{98}		2001 11 19.40134	04 35 34.38	+24 34 25.5	2001 VL_{114}	20.3		704
2001 WA_{99}	*	2001 11 20.29263	03 59 23.22	+16 47 44.6	2001 VT_{81}	19.5		704
2001 WA_{99}		2001 11 20.32219	03 59 21.03	+16 47 34.2	2001 VT_{81}	20.2		704
2001 WA_{99}		2001 11 20.33687	03 59 19.98	+16 47 28.9	2001 VT_{81}	20.4		704
2001 WA_{99}		2001 11 20.35155	03 59 19.05	+16 47 22.8	2001 VT_{81}	20.5		704
2001 WB_{99}	*	2001 11 20.35866	04 46 00.23	+17 57 09.3	2001 UV_{10}	19.2		704
2001 WB_{99}		2001 11 20.37332	04 45 59.37	+17 57 09.9	2001 UV_{10}	19.6		704
2001 WB_{99}		2001 11 20.40265	04 45 57.84	+17 57 12.8	2001 UV_{10}	19.7		704
2001 WC_{99}	*	2001 11 21.15024	01 55 28.19	+08 16 35.8	2001 WF_{65}	19.5		704
2001 WC_{99}		2001 11 21.16486	01 55 27.60	+08 16 32.0	2001 WF_{65}	20.1		704
2001 WC_{99}		2001 11 21.17948	01 55 27.14	+08 16 29.4	2001 WF_{65}	20.0		704
2001 WC_{99}		2001 11 21.19411	01 55 26.68	+08 16 24.6	2001 WF_{65}	19.8		704
2001 WC_{99}		2001 11 21.20874	01 55 26.26	+08 16 20.7	2001 WF_{65}	20.0		704
2001 WD_{99}	*	2001 11 25.29602	03 42 16.95	+18 05 35.8	2001 WZ_{46}	18.2		704
2001 WD_{99}		2001 11 25.31180	03 42 15.76	+18 05 30.0	2001 WZ_{46}	19.0		704
2001 WD_{99}		2001 11 25.32655	03 42 14.81	+18 05 24.4	2001 WZ_{46}	18.7		704
2001 WD_{99}		2001 11 25.34208	03 42 13.80	+18 05 17.0	2001 WZ_{46}	18.9		704
2001 XY_{265}	*	2001 12 11.30444	05 46 24.94	+15 59 01.2	2001 VN_{86}	19.8		704
2001 XY_{265}		2001 12 11.32040	05 46 24.13	+15 58 58.5	2001 VN_{86}	19.3		704
2001 XY_{265}		2001 12 11.33556	05 46 23.18	+15 58 57.1	2001 VN_{86}	19.7		704
2001 XY_{265}		2001 12 11.35056	05 46 22.36	+15 58 55.6	2001 VN_{86}	20.0		704
2001 XZ_{265}	*	2001 12 11.31146	05 24 53.47	+12 32 07.0	2001 WR_{13}	20.3		704
2001 XZ_{265}		2001 12 11.32656	05 24 52.29	+12 32 07.8	2001 WR_{13}	20.0		704
2001 XZ_{265}		2001 12 11.35683	05 24 50.13	+12 32 08.3	2001 WR_{13}	20.2		704
2001 XA_{266}	*	2001 12 15.16508	03 09 30.58	+19 34 31.2	2001 XR_{89}	20.7		704
2001 XA_{266}		2001 12 15.18266	03 09 30.02	+19 34 31.9	2001 XR_{89}	20.4		704
2001 XA_{266}		2001 12 15.19993	03 09 29.41	+19 34 31.3	2001 XR_{89}	20.9		704
2001 XA_{266}		2001 12 15.21504	03 09 28.92	+19 34 31.7	2001 XR_{89}	20.6		704
2001 XB_{266}	*	2001 12 15.22456	04 01 57.70	+21 43 04.0	2001 VW_{41}	19.5		704
2001 XB_{266}		2001 12 15.25477	04 01 56.04	+21 43 02.5	2001 VW_{41}	19.9		704
2001 XB_{266}		2001 12 15.26987	04 01 55.25	+21 43 00.4	2001 VW_{41}	19.8		704
2001 XC_{266}	*	2001 12 07.24985	03 09 20.86	+05 42 34.1	2001 VB_{90}	19.8		704
2001 XC_{266}		2001 12 07.26472	03 09 20.26	+05 42 34.1	2001 VB_{90}	20.3		704
2001 XC_{266}		2001 12 07.28004	03 09 19.65	+05 42 33.4	2001 VB_{90}	19.6		704
2001 YR_{156}	*	2001 12 17.15028	03 28 46.99	+14 00 22.9	2001 XZ_{122}	19.9		704
2001 YR_{156}		2001 12 17.16545	03 28 46.30	+14 00 21.9	2001 XZ_{122}	20.5		704
2001 YR_{156}		2001 12 17.18063	03 28 45.60	+14 00 21.8	2001 XZ_{122}	20.0		704
2001 YR_{156}		2001 12 17.19582	03 28 45.03	+14 00 21.0	2001 XZ_{122}	20.1		704
2001 YR_{156}		2001 12 17.21113	03 28 44.38	+14 00 19.2	2001 XZ_{122}	20.2		704
2001 YS_{156}	*	2001 12 17.37541	07 23 30.56	+18 45 27.8	2001 XM_{177}	19.8		704
2001 YS_{156}		2001 12 17.39061	07 23 29.86	+18 45 30.9	2001 XM_{177}	20.1		704
2001 YS_{156}		2001 12 17.40583	07 23 29.17	+18 45 31.3	2001 XM_{177}	20.3		704
2001 YS_{156}		2001 12 17.42106	07 23 28.52	+18 45 34.8	2001 XM_{177}	20.3		704
2001 YS_{156}		2001 12 17.43627	07 23 27.82	+18 45 36.0	2001 XM_{177}	20.1		704

2001 YT_{156}	*	2001	12	17.45905	08	00	09.49	+18	31	59.9	2001	XX_{264}	20.4		704
2001 YT_{156}		2001	12	17.47434	08	00	08.87	+18	32	02.1	2001	XX_{264}	20.4		704
2001 YT_{156}		2001	12	17.48961	08	00	08.40	+18	32	04.5	2001	XX_{264}	20.5		704
2001 YU_{156}	*	2001	12	18.14303	03	47	43.08	+25	37	15.9	2001	VC_{112}	19.3		704
2001 YU_{156}		2001	12	18.15820	03	47	42.44	+25	37	14.2	2001	VC_{112}	19.9		704
2001 YU_{156}		2001	12	18.17474	03	47	41.78	+25	37	12.3	2001	VC_{112}	19.8		704
2001 YU_{156}		2001	12	18.18993	03	47	41.11	+25	37	11.0	2001	VC_{112}	19.4		704
2001 YU_{156}		2001	12	18.20512	03	47	40.41	+25	37	09.1	2001	VC_{112}	19.1		704
2001 YV_{156}	*	2001	12	18.30973	05	37	21.15	+15	58	54.4	2001	XJ_{212}	18.1		704
2001 YV_{156}		2001	12	18.32644	05	37	20.04	+15	58	53.5	2001	XJ_{212}	18.2		704
2001 YV_{156}		2001	12	18.34252	05	37	19.00	+15	58	53.1	2001	XJ_{212}	18.3		704
2001 YV_{156}		2001	12	18.35783	05	37	18.00	+15	58	52.9	2001	XJ_{212}	18.4		704
2001 YV_{156}		2001	12	18.37457	05	37	16.91	+15	58	52.2	2001	XJ_{212}	18.4		704
2001 YW_{156}	*	2001	12	19.14604	03	23	54.07	+22	11	14.1	2001	XT_{244}	19.2		704
2001 YW_{156}		2001	12	19.17978	03	23	52.97	+22	11	05.1	2001	XT_{244}	20.2		704
2001 YW_{156}		2001	12	19.19494	03	23	52.45	+22	11	01.4	2001	XT_{244}	20.0		704
2001 YW_{156}		2001	12	19.21011	03	23	51.91	+22	10	57.3	2001	XT_{244}	19.9		704
2002 AV_{197}	*	2002	01	15.16078	04	57	17.20	+22	59	59.1	2001	YR_{30}	19.8		704
2002 AV_{197}		2002	01	15.17586	04	57	16.73	+22	59	57.5	2001	YR_{30}	20.4		704
2002 AV_{197}		2002	01	15.19096	04	57	16.28	+22	59	55.7	2001	YR_{30}	19.8		704
2002 AX_{197}	*	2002	01	08.30555	08	06	39.51	+24	07	28.3	2001	YQ_{90}	19.6		704
2002 AX_{197}		2002	01	08.32046	08	06	38.69	+24	07	34.0	2001	YQ_{90}	19.8		704
2002 AX_{197}		2002	01	08.33537	08	06	37.89	+24	07	38.3	2001	YQ_{90}	19.5		704
2002 AY_{197}	*	2002	01	08.31762	07	34	22.66	+22	56	13.2	2001	YF_{81}	19.8		704
2002 AY_{197}		2002	01	08.33254	07	34	21.69	+22	56	17.4	2001	YF_{81}	20.0		704
2002 AY_{197}		2002	01	08.34745	07	34	20.71	+22	56	20.2	2001	YF_{81}	20.0		704
2002 AZ_{197}	*	2002	01	14.17337	05	42	50.09	+27	56	07.2	2002	AD_{71}	19.8		704
2002 AZ_{197}		2002	01	14.18860	05	42	49.41	+27	56	06.8	2002	AD_{71}	19.7		704
2002 AZ_{197}		2002	01	14.20383	05	42	48.81	+27	56	06.3	2002	AD_{71}	19.8		704
2002 AZ_{197}		2002	01	14.21904	05	42	48.19	+27	56	06.3	2002	AD_{71}	19.7		704
2002 AA_{198}	*	2002	01	14.23719	07	36	44.41	+24	17	52.5	2002	AP_{94}	19.7		704
2002 AA_{198}		2002	01	14.25229	07	36	43.47	+24	17	54.5	2002	AP_{94}	20.5		704
2002 AA_{198}		2002	01	14.26742	07	36	42.48	+24	17	56.1	2002	AP_{94}	20.6		704
2002 AA_{198}		2002	01	14.30185	07	36	40.35	+24	18	00.5	2002	AP_{94}	20.3		704
2002 AB_{198}	*	2002	01	14.27254	07	54	09.30	+22	07	48.4	2001	YQ_{86}	20.7	V	291
2002 AB_{198}		2002	01	14.28218	07	54	08.71	+22	07	50.4	2001	YQ_{86}	20.7	V	291
2002 AB_{198}		2002	01	14.29067	07	54	08.21	+22	07	52.0	2001	YQ_{86}	20.8	V	291
2002 AC_{198}	*	2002	01	14.30464	07	47	39.83	+22	33	55.9	2002	AQ_{95}	19.0		704
2002 AC_{198}		2002	01	14.31973	07	47	38.87	+22	33	58.3	2002	AQ_{95}	19.3		704
2002 AC_{198}		2002	01	14.33483	07	47	37.87	+22	34	00.2	2002	AQ_{95}	19.1		704
2002 AC_{198}		2002	01	14.35026	07	47	36.80	+22	34	01.9	2002	AQ_{95}	19.2		704
2002 AC_{198}		2002	01	14.36727	07	47	35.66	+22	34	03.3	2002	AQ_{95}	19.1		704
2002 AD_{198}	*	2002	01	14.38499	09	27	44.73	+17	39	05.2	2002	AG_{124}	19.6		704
2002 AD_{198}		2002	01	14.40017	09	27	43.99	+17	39	05.9	2002	AG_{124}	19.8		704
2002 AD_{198}		2002	01	14.41537	09	27	43.11	+17	39	06.4	2002	AG_{124}	20.0		704
2002 AD_{198}		2002	01	14.43067	09	27	42.27	+17	39	07.5	2002	AG_{124}	19.7		704
2002 AD_{198}		2002	01	14.44645	09	27	41.42	+17	39	07.2	2002	AG_{124}	19.5		704
2002 AE_{198}	*	2002	01	15.24281	06	49	07.00	+17	40	08.0	2002	AB_{141}	19.4		704
2002 AE_{198}		2002	01	15.25798	06	49	06.14	+17	40	05.6	2002	AB_{141}	19.7		704
2002 AE_{198}		2002	01	15.27316	06	49	05.37	+17	40	02.7	2002	AB_{141}	20.0		704
2002 AE_{198}		2002	01	15.28834	06	49	04.51	+17	40	00.3	2002	AB_{141}	19.6		704
2002 CE_{305}	*	2002	02	05.32718	09	19	08.66	+13	53	29.9	2002	AO_{161}	20.8		644
2002 CE_{305}		2002	02	05.34959	09	19	07.37	+13	53	36.1	2002	AO_{161}	20.1		644
2002 CE_{305}		2002	02	05.37035	09	19	06.16	+13	53	41.2	2002	AO_{161}	19.8		644
2002 CF_{305}	*	2002	02	03.33810	08	38	49.86	+28	46	43.7	2001	XE_{119}	19.8		644
2002 CF_{305}		2002	02	03.34956	08	38	49.02	+28	46	46.7	2001	XE_{119}	20.1		644
2002 CF_{305}		2002	02	03.35999	08	38	48.28	+28	46	49.5	2001	XE_{119}	19.9		644
2002 CG_{305}	*	2002	02	04.48591	10	06	01.53	+15	54	20.7	2002	AN_{153}	19.6		644
2002 CG_{305}		2002	02	04.49628	10	06	00.98	+15	54	24.6	2002	AN_{153}	19.9		644
2002 CG_{305}		2002	02	04.50669	10	06	00.42	+15	54	30.0	2002	AN_{153}	20.3		644
2002 CH_{305}	*	2002	02	06.32189	07	41	11.65	+21	02	17.8	2002	AB_{48}	21.8	V	291
2002 CH_{305}		2002	02	06.33621	07	41	11.02	+21	02	19.1	2002	AB_{48}	22.3	V	291
2002 CH_{305}		2002	02	06.34963	07	41	10.35	+21	02	21.0	2002	AB_{48}	21.6	V	291
2002 CJ_{305}	*	2002	02	08.24022	09	55	06.59	+12	04	05.9	2002	DT	19.3	R	735
2002 CJ_{305}		2002	02	08.28000	09	55	04.88	+12	04	18.3	2002	DT	19.2	R	735
2002 CJ_{305}		2002	02	08.28749	09	55	04.43	+12	04	20.0	2002	DT	19.3	R	735
2002 CK_{305}	*	2002	02	08.42265	10	15	40.90	+12	43	51.2	2002	AR_{154}	19.8	V	291
2002 CK_{305}		2002	02	08.42842	10	15	40.60	+12	43	51.9	2002	AR_{154}	19.7	V	291
2002 CK_{305}		2002	02	08.43420	10	15	40.30	+12	43	52.8	2002	AR_{154}	19.8	V	291
2002 CL_{305}	*	2002	02	09.19023	09	19	01.12	+16	30	30.3	2002	AG_{168}	21.2	V	691
2002 CL_{305}		2002	02	09.21195	09	18	59.96	+16	30	37.4	2002	AG_{168}	21.7	V	691
2002 CL_{305}		2002	02	09.23377	09	18	58.80	+16	30	45.1	2002	AG_{168}	21.4	V	691
2002 CM_{305}	*	2002	02	09.36619	09	54	17.07	+12	09	59.2	2002	CR_{14}	20.3	R	735
2002 CM_{305}		2002	02	09.37425	09	54	16.58	+12	10	01.9	2002	CR_{14}	20.2	R	735
2002 CN_{305}	*	2002	02	10.30646	09	38	47.06	+16	17	50.8	2002	CS_{87}	20.0		704
2002 CN_{305}		2002	02	10.32062	09	38	46.35	+16	17	54.8	2002	CS_{87}	19.9		704
2002 CN_{305}		2002	02	10.33479	09	38	45.54	+16	18	00.0	2002	CS_{87}	20.0		704
2002 CN_{305}		2002	02	10.34896	09	38	44.76	+16	18	04.7	2002	CS_{87}	19.7		704
2002 CN_{305}		2002	02	10.36312	09	38	44.05	+16	18	10.3	2002	CS_{87}	20.2		704
2002 CO_{305}	*	2002	02	13.88880	08	23	09.39	+24	35	18.6	2002	AK_{33}	20.0	V	049
2002 CO_{305}		2002	02	13.90254	08	23	08.65	+24	35	21.0	2002	AK_{33}	19.8	V	049
2002 CO_{305}		2002	02	13.91615	08	23	07.93	+24	35	22.8	2002	AK_{33}	19.8	V	049
2002 CS_{309}	*	2002	02	10.31857	10	47	12.45	+08	58	45.6	2002	CL_{265}	19.9		704
2002 CS_{309}		2002	02	10.33273	10	47	11.85	+08	58	49.7	2002	CL_{265}	19.8		704
2002 CS_{309}		2002	02	10.34691	10	47	11.25	+08	58	53.1	2002	CL_{265}	19.9		704
2002 EV_{153}	*	2002	03	09.19093	10	18	34.53	+09	18	03.3	2002	EH_{100}	21.7	V	291
2002 EV_{153}		2002	03	09.20472	10	18	33.77	+09	18	08.6	2002	EH_{100}	21.8	V	291
2002 EV_{153}		2002	03	09.21857	10	18	33.06	+09	18	14.2	2002	EH_{100}	21.8	V	291
2002 EW_{153}	*	2002	03	10.21470	09	58	06.05	+19	53	59.6	2002	DM_3	19.4	R	448
2002 EW_{153}		2002	03	10.22171	09	58	05.78	+19	53	59.8	2002	DM_3	19.4	R	448
2002 EW_{153}		2002	03	10.22877	09	58	05.40	+19	53	59.8	2002	DM_3	19.0	R	448
2002 EW_{153}		2002	03	10.24293	09	58	04.78	+19	54	00.0	2002	DM_3	19.6	R	448
2002 EX_{153}	*	2002	03	15.27985	10	12	50.42	−01	44	35.4	2002	EP_{130}	20.4		644
2002 EX_{153}		2002	03	15.29138	10	12	49.92	−01	44	30.7	2002	EP_{130}	20.1		644
2002 EX_{153}		2002	03	15.30191	10	12	49.45	−01	44	26.7	2002	EP_{130}	19.8		644
2002 FL_{39}	*	2002	03	16.24120	11	02	46.91	+09	53	51.8	2002	CE_{218}	19.2		704
2002 FL_{39}		2002	03	16.25461	11	02	46.22	+09	53	56.2	2002	CE_{218}	19.9		704
2002 FL_{39}		2002	03	16.26802	11	02	45.59	+09	54	01.3	2002	CE_{218}	20.1		704
2002 FL_{39}		2002	03	16.28146	11	02	44.79	+09	54	04.7	2002	CE_{218}	19.6		704
2002 FL_{39}		2002	03	16.29493	11	02	44.17	+09	54	10.1	2002	CE_{218}	20.1		704
2002 GR_{166}	*	2002	04	14.26933	13	05	57.52	−08	02	22.7	2002	GH_{135}	19.6		704
2002 GR_{166}		2002	04	14.28339	13	05	56.76	−08	02	18.3	2002	GH_{135}	20.1		704
2002 GR_{166}		2002	04	14.29745	13	05	56.22	−08	02	13.3	2002	GH_{135}	20.1		704
2002 GR_{166}		2002	04	14.31153	13	05	55.51	−08	02	08.2	2002	GH_{135}	20.0		704
2002 GR_{166}		2002	04	14.32563	13	05	54.93	−08	02	04.6	2002	GH_{135}	19.6		704
2002 GS_{166}	*	2002	04	13.31510	13	38	30.71	+00	45	09.5	1999	LZ_{20}	20.6		644

2002 GS_{166}		2002 04 13.33988	13 38 29.22	+00 45 16.4	1999 LZ_{20}	20.7		644
2002 GS_{166}		2002 04 13.37170	13 38 27.38	+00 45 25.3	1999 LZ_{20}	20.5		644
2002 GT_{166}	*	2002 04 08.22177	12 56 14.71	−06 38 53.9	2002 GG_{48}	20.9	V	691
2002 GT_{166}		2002 04 08.24361	12 56 13.51	−06 38 48.3	2002 GG_{48}	21.3	V	691
2002 GT_{166}		2002 04 08.26556	12 56 12.28	−06 38 43.5	2002 GG_{48}	21.2	V	691
2002 GU_{166}	*	2002 04 08.40038	12 52 02.42	−15 38 23.1	2002 GD_{54}	20.9		644
2002 GU_{166}		2002 04 08.41339	12 52 01.63	−15 38 18.2	2002 GD_{54}	20.7		644
2002 GU_{166}		2002 04 08.42436	12 52 01.06	−15 38 14.4	2002 GD_{54}	21.1		644
2002 GV_{166}	*	2002 04 12.25179	14 18 59.73	−12 31 24.0	2002 GX_{90}	20.8		644
2002 GV_{166}		2002 04 12.31950	14 18 56.23	−12 31 17.8	2002 GX_{90}	20.5		644
2002 GV_{166}		2002 04 12.38586	14 18 52.82	−12 31 11.2	2002 GX_{90}	20.6		644
2002 GW_{166}	*	2002 04 12.31218	12 36 34.01	−05 51 46.8	2002 GR_{100}	19.6		704
2002 GW_{166}		2002 04 12.32661	12 36 33.47	−05 51 43.3	2002 GR_{100}	20.0		704
2002 GW_{166}		2002 04 12.34301	12 36 32.72	−05 51 41.3	2002 GR_{100}	19.9		704
2002 GX_{166}	*	2002 04 12.31451	12 52 12.03	−05 58 17.2	2002 GY_{96}	19.7		704
2002 GX_{166}		2002 04 12.32980	12 52 11.24	−05 58 08.5	2002 GY_{96}	19.9		704
2002 GX_{166}		2002 04 12.34533	12 52 10.38	−05 58 00.3	2002 GY_{96}	19.6		704
2002 GY_{166}	*	2002 04 14.27455	13 36 26.50	−10 57 08.3	2002 GP_{133}	19.5		704
2002 GY_{166}		2002 04 14.28860	13 36 25.76	−10 57 06.3	2002 GP_{133}	19.4		704
2002 GY_{166}		2002 04 14.30267	13 36 24.92	−10 57 03.2	2002 GP_{133}	19.5		704
2002 GY_{166}		2002 04 14.31676	13 36 24.20	−10 56 59.5	2002 GP_{133}	19.3		704
2002 GY_{166}		2002 04 14.33084	13 36 23.39	−10 56 56.6	2002 GP_{133}	18.8		704
2002 GZ_{166}	*	2002 04 14.27507	13 36 21.11	−10 55 33.6	2002 GR_{138}	19.3		704
2002 GZ_{166}		2002 04 14.28912	13 36 20.27	−10 55 30.5	2002 GR_{138}	20.1		704
2002 GZ_{166}		2002 04 14.30319	13 36 19.41	−10 55 26.0	2002 GR_{138}	20.3		704
2002 GZ_{166}		2002 04 14.31728	13 36 18.62	−10 55 21.2	2002 GR_{138}	20.2		704
2002 GT_{176}	*	2002 04 14.35505	14 17 12.47	−12 27 50.6	2002 GX_{90}	20.3		704
2002 GT_{176}		2002 04 14.36921	14 17 11.74	−12 27 48.6	2002 GX_{90}	20.3		704
2002 GT_{176}		2002 04 14.38329	14 17 11.02	−12 27 46.7	2002 GX_{90}	20.2		704
2002 HR_{17}	*	2002 04 16.32770	14 41 38.94	−04 18 35.4	2002 GV_{158}	19.5		704
2002 HR_{17}		2002 04 16.35612	14 41 37.36	−04 18 26.0	2002 GV_{158}	19.6		704
2002 HR_{17}		2002 04 16.38445	14 41 35.78	−04 18 17.4	2002 GV_{158}	19.9		704
2002 JQ_{146}	*	2002 05 11.30792	15 18 02.46	−17 21 24.0	2002 JN_{126}	19.8		704
2002 JQ_{146}		2002 05 11.32250	15 18 01.61	−17 21 21.0	2002 JN_{126}	19.9		704
2002 JQ_{146}		2002 05 11.35171	15 17 59.71	−17 21 13.1	2002 JN_{126}	19.7		704
2002 KZ_{14}	*	2002 05 16.30662	16 44 41.18	−19 48 43.9	2002 JN_{104}	18.6		704
2002 KZ_{14}		2002 05 16.32155	16 44 40.44	−19 48 43.9	2002 JN_{104}	18.9		704
2002 KZ_{14}		2002 05 16.35158	16 44 38.89	−19 48 44.2	2002 JN_{104}	18.9		704
2002 KZ_{14}		2002 05 16.36654	16 44 38.18	−19 48 44.4	2002 JN_{104}	18.6		704

Note 1: 2001 DQ_{73} = (26671).

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

006 Fabra Observatory, Barcelona. Observers J. M. Codina, J. Nuñez. Measurer N. Torras. 0.38-m $f/11$ Mailhat astrograph.

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

049 Uppsala-Kvistaberg. Observers B. Davidsson, O. Karlsson, C.-I. Lagerkvist, T. Oja, J. Warell. Measurers G. Hahn, O. Karlsson, C.-I. Lagerkvist, S. Mottola, J. Warell. 1.0-m Schmidt + CCD,

057 Belgrade. Observers Vl. Benishek, V. Protitch-Benishek, B. Benishek. 0.11-m $f/12$ Zeiss visual astrograph + CCD.

104 San Marcello Pistoiese. Observers L. Tesi, A. Boattini, M. Tombelli. Measurers G. Forti, L. Tesi, A. Boattini, M. Tombelli. 0.40-m $f/5$ reflector + CCD.

107 Cavezzo. Observer M. Nicolini. 0.40-m $f/5.5$ reflector + CCD.

113 Volkssternwarte Drebach, Schoenbrunn. Observers G. Lehmann, J. Kandler. 0.50-m $f/4.0$ reflector + CCD.

118 Modra. Observers A. Galád, J. Tóth. 0.6-m $f/5.5$ reflector + CCD.

143 Gnosca. Observer S. Sposetti. 0.20-m $f/6.3$ reflector + CCD.

151 Eschenberg Observatory, Winterthur. Observer M. Griesser. 0.40-m $f/5.8$ Hypergraph + CCD.

157 Frasso Sabino. Observers R. Haver, F. Anzellini, A. Pelloni. 0.20-m $f/6.3$ Schmidt-Cassegrain + CCD.

159 Monte Agliale. Observer M. M. M. Santangelo. 0.51-m $f/4.5$ reflector + CCD.

160 Castelmartini. Observer E. Prosperi. 0.25-m $f/6.3$ Schmidt-Cassegrain + CCD.

170 Observatorio de Begues. Observer J. Manteca. 0.31-m $f/6.3$ Schmidt-Cassegrain + CCD.

196 Homburg-Erbach. Observer W. Wiedemann. 0.20 $f/3.3$ Schmidt-Cassegrain + CCD.

198 Wildberg. Observer R. Apitzsch. 0.235-m Schmidt-Cassegrain + CCD.

201 Jonathan B. Postel Observatory. Observer V. Pozzoli. 0.30-m $f/10$ reflector + CCD.

204 Schiaparelli Observatory. Observers L. Buzzi, A. Aletti, O. De Santis, A. Tedeschi. 0.60-m $f/3.62$ reflector + CCD.

213 Observatorio Montcabre. Observer R. Naves N. Measurer M. Campas. 0.25-m $f/3.3$ Schmidt-Cassegrain + CCD.

215 Buchloe. Observer W. Hasubick. 0.44-m $f/4.6$ reflector + CCD.

232 Masquefa Observatory. Observer E. Reina L. 0.25-m $f/6.3$ Schmidt-Cassegrain + CCD.

233 San Vito. Observer S. Donati. 0.25-m $f/6.3$ Schmidt-Cassegrain + CCD.

235 CAST Observatory, Talmassons. Observers R. Ligustri, P. Beltrame, V. Savani, G. Degano, G. Romano. 0.35-m $f/3.5$ reflector + CCD.

246 Kleť Observatory-KLENOT. Observers J. Tichá, M. Tichý, M. Kočer. 1.06-m KLENOT telescope + CCD.

249 SOHO. SOHO-LASCO coronagraphs C3 and C2. Measurements by D. Hammer, reduction by B. G. Marsden.

300 Bisei Spaceguard Center–BATTeRS. Observers A. Asami, D. J. Asher, T. Fuse, N. Hashimoto, A. I. Ibrahim, S. Isobe, K. Nishiyama, Y. Oshima, J. Terazono, H. Umehara, T. Urata, M. Yoshikawa. 0.25-m $f/5.0$ reflector + CCD.

322 Perth Observatory, Bickley-MCT. Observer J. Biggs. 0.25-m $f/4.5$ reflector + CCD.

340 Toyonaka. Observer Y. Ezaki. 0.3-m $f/6.0$ reflector + CCD.

342 Shishikui. Observer H. Maeno. 0.15-m $f/5.0$ reflector + CCD.

349 Ageo. Observer K. Kadota. 0.18-m $f/5.5$ reflector + CCD.

355 Hadano. Observer A. Asami. 0.28-m $f/5.0$ reflector + CCD.

360 Kuma Kogen. Observer A. Nakamura. 0.60-m $f/6.0$ Ritchey-Chrétien + CCD.

372 Geisei. Observer T. Seki. 0.60-m $f/3.5$ reflector.

379 Hamamatsu-Yuto. Observer S. Wakuda. 0.25-m $f/5.0$ Schmidt-Cassegrain + CCD.
413 Siding Spring. Observers G. J. Garradd, R. H. McNaught. 1.0-m $f/8$ reflector + CCD.
428 Reedy Creek. Observer J. Broughton. 0.25-m $f/6.3$ Schmidt-Cassegrain + CCD.
442 Gualba Observatory. Observer A. Sanchez C. 0.31-m $f/3.3$ Schmidt-Cassegrain + CCD.
445 Observatori d'Ontinyent. Observer M. Camarasa Y. 0.20-m $f/6.3$ Schmidt-Cassegrain + CCD.
452 Big Cypress Observatory. Observer L. Nemec. 0.25-m Schmidt-Cassegrain + CCD.
458 Guadarrama Observatory. Observer D. Rodriguez. 0.20-m $f/4$ reflector + CCD.
461 JATE Asteroid Survey, Piszkéstető Stn. (Konkoly). Observers K. Sárneczky, B. Sipőcz, J. Vinkó. 0.60-m Schmidt + CCD.
468 Campo Catino. Observers G. Masi, U. Tagliaferri. 0.80-m $f/8$ reflector + CCD.
470 Ceccano. Observer G. Masi. 0.28-m $f/3.3$ reflector + CCD.
474 Mount John Observatory, Lake Tekapo. Observers A. C. Gilmore, P. M. Kilmartin. 0.6-m $f/6.4$ reflector, 1.0-m $f/7.7$ reflector + CCD.
504 Le Creusot. Observer J. C. Merlin. 0.40-m $f/5$ reflector + CCD.
557 Ondřejov. Observers P. Pravec, L. Šarounová, P. Kušnirák. 0.65-m $f/3.6$ reflector + CCD.
561 Piszkéstető. Observer J. Kelemen. 0.60-m Schmidt + CCD.
568 Mauna Kea. Observers Y. R. Fernandez, D. C. Jewitt. Measurer S. S. Sheppard. 2.2-m University of Hawaii reflector + CCD.
587 Sormano. Observer F. Manca. 0.5-m reflector + CCD.
595 Farra d'Isonzo. Observers G. Lombardi, F. Piani, E. Pettarin. 0.40-m $f/4.5$ reflector + CCD.
599 Campo Imperatore–CINEOS. Observer A. Boattini. Measurers A. Boattini, F. Bernardi, A. Di Paola, M. Tombelli. 1.2-m Schmidt + CCD.
608 Haleakala-NEAT/MSSS. Observers E. F. Helin, S. Pravdo, K. Lawrence, K. Kuluhiwa, P. Kervin, R. Maeda, J. Africano, M. Hicks. 1.2-m reflector + CCD.
611 Starkenburg. Observer F. Hormuth. 0.45-m $f/4.4$ reflector + CCD.
613 Heisingen. Observer H. Denzau. 0.35-m $f/5.7$ reflector + CCD.
620 Observatorio Astronómico de Mallorca. Observers S. Sanchez, J. Rodriguez, F. Serra, A. Garcia. 0.40-m $f/2.0$ Schmidt + CCD, 0.30-m $f/8.8$ Schmidt-Cassegrain + CCD.
621 Bergisch Gladbach. Observer W. Bickel. 0.60-m $f/5.2$ reflector + CCD.
636 Essen. Observers A. Knöfel, T. Payer. 0.32-m $f/5.7$ reflector + CCD.
642 Oak Bay, Victoria. Observer C. E. Spratt. 0.235-m $f/5.6$ Schmidt-Cassegrain + CCD.
644 Palomar Mountain/NEAT. Observers E. F. Helin, S. Pravdo, K. Lawrence, K. Kuluhiwa, M. Hicks, R. Thicksten. 1.2-m Schmidt + CCD.
649 Powell Observatory, Louisburg. Observers K. Smalley, R. Fredrick, R. Trentman. 0.75-m Newtonian + CCD.
670 Camarillo. Observer J. E. Rogers. 0.30-m $f/6.7$ Helin Telescope + CCD.
691 Steward Observatory, Kitt Peak. Observer A. E. Gleason. 0.9-m Spacewatch telescope.
699 Lowell Observatory-LONEOS. Observer B. A. Skiff. 0.59-m LONEOS Schmidt + CCD.
704 Lincoln Laboratory ETS, New Mexico. Observers M. Blythe, F. Shelly, M. Bezpalko, R. Huber, L. Manguso, S. Adams, D. Torres, T. Brothers, S. Partridge. Measurers J. Stuart, R. Sayer, J. B. Evans, H. Viggh. 1.0-m $f/2.15$ reflector + CCD.
726 Brainerd. Observer J. Wentworth. 0.28-m Schmidt-Cassegrain + CCD.
734 Farpoint Observatory. Observer G. Hug. 0.30-m Schmidt-Cassegrain + CCD.
762 Four Winds Observatory, Lake Leelanau. Observer R. Elliott. 0.30-m $f/10$ Schmidt-Cassegrain + CCD.
844 Los Molinos. Observers F. Artigue, A. Errico, S. Roland, R. Salvo. 0.35-m $f/6.4$ reflector + CCD.
848 Tenagra Observatory, Cottage Grove. Observer M. Schwartz. Measurer P. R. Holvorcem. 0.36-m $f/11$ Schmidt-Cassegrain + CCD.
859 Wykrota Observatory-CEAMIG. Observers C. Jacques, J. Amancio, L. Duczmal. 0.3-m $f/3.3$ Schmidt-Cassegrain + CCD.
921 SW Institute for Space Research, Cloudcroft. Observer A. Hale. 0.30-m Schmidt-Cassegrain + CCD.
938 Linhaceira. Observer R. Goncalves. 0.25-m $f/6.7$ Schmidt-Cassegrain + CCD.
939 Observatorio Rodeno. Observer J. Castellano. 0.20-m $f/10$ Schmidt-Cassegrain + CCD.
941 Observatorio Pla D'Arguines. Observer R. Ferrando. 0.30-m Schmidt-Cassegrain + CCD.
952 Marxuquera. Observer J. J. Gomez. 0.25-m $f/3.3$ Schmidt-Cassegrain + CCD.
963 Werrington. Observer J. Mackey. 0.28-m $f/6.3$ Schmidt-Cassegrain + CCD.
970 Chelmsford. Observer N. D. James. 0.30-m $f/5.25$ reflector + CCD.
978 Condor Brow. Observer D. Buczynski. 0.33-m $f/3.5$ reflector + CCD.
A31 Corcaroli Observatory. Observer F. Zattera. 0.25-m $f/6.3$ Schmidt-Cassegrain + CCD.
A46 Lelekovice. Observer K. Hornoch. 0.35-m $f/4.7$ reflector + CCD.
A50 Andrushivka Astronomical Observatory. Observers V. Andruk, Yu. Ivashchenko. Measurer Yu. Ivashchenko. 0.60-m $f/7.5$ reflector + CCD.
G78 Desert Wanderer Observatory. Observer W. K. Y. Yeung. 0.45-m reflector + CCD.
J91 Alt emporda Observatory, Figueres. Observer C. Pineda. 0.25-m $f/4.0$ Schmidt-Cassegrain + CCD.
J95 Great Shefford. Observer P. Birtwhistle. 0.3-m Schmidt-Cassegrain + CCD.
J98 Observatorio Manises. Observers S. Lahuerta, L. Lahuerta. 0.25-m $f/5.3$ Schmidt-Cassegrain + CCD.

Object	Date	UT	α_{2000}	δ_{2000}	Mag.	N Obs.
C/1997 BA$_6$ (Spacewatch)						
C/1997 BA$_6$	2002 07	18.45267	21 30 21.75	+15 56 03.3	18.7 T	644
C/1997 BA$_6$	2002 07	18.46319	21 30 21.44	+15 56 04.7	18.5 T	644
C/1997 BA$_6$	2002 07	18.47374	21 30 21.14	+15 56 06.1	18.4 T	644
C/1997 BA$_6$	2002 08	03.13985	21 22 53.87	+16 15 27.6	17.7 T	859
C/1997 BA$_6$	2002 08	03.15029	21 22 53.48	+16 15 27.0	18.2 T	859
C/1997 BA$_6$	2002 08	04.06635	21 22 26.46	+16 15 58.9	18.0 T	213
C/1997 BA$_6$	2002 08	04.06868	21 22 26.36	+16 15 56.7	18.0 T	213
C/1997 BA$_6$	2002 08	04.07576	21 22 26.45	+16 15 58.9	18.0 T	213
C/1997 BA$_6$	2002 08	04.29316	21 22 19.98	+16 16 05.7	18.6 T	704
C/1997 BA$_6$	2002 08	04.33899	21 22 18.50	+16 16 07.7	19.3 T	704
C/1997 BA$_6$	2002 08	04.35424	21 22 18.00	+16 16 07.9	19.1 T	704

C/1997 BA_6	2002 08 06.12256	21 21 25.71	+16 17 01.2	17.7	T	859
C/1997 BA_6	2002 08 06.13638	21 21 25.49	+16 16 59.3	18.6	T	859
C/1997 BA_6	2002 08 06.15617	21 21 25.16	+16 16 55.2	19.4	T	859
C/1997 BA_6	2002 08 14.95627	21 17 05.31	+16 17 54.2	18.8	N	215
C/1997 BA_6	2002 08 14.95716	21 17 05.33	+16 17 54.0	18.3	N	215
C/1997 BA_6	2002 08 14.95767	21 17 05.26	+16 17 54.6	18.3	N	215

C/1999 J2 (Skiff)

C/1999 J2	2002 06 06.23589	14 59 54.90	−14 24 06.5	18.8	T	704
C/1999 J2	2002 06 06.26384	14 59 54.05	−14 24 09.3	19.4	T	704
C/1999 J2	2002 06 06.27779	14 59 53.69	−14 24 11.0	19.3	T	704
C/1999 J2	2002 06 06.29174	14 59 53.27	−14 24 11.7	18.8	T	704
C/1999 J2	2002 06 08.24322	14 58 57.45	−14 27 14.5	19.2	T	704
C/1999 J2	2002 06 08.27086	14 58 56.61	−14 27 17.5	19.9	T	704
C/1999 J2	2002 06 08.28440	14 58 56.28	−14 27 17.4	19.6	T	704
C/1999 J2	2002 06 08.29825	14 58 55.92	−14 27 19.0	19.5	T	704

C/1999 Y1 (LINEAR)

C/1999 Y1	2002 07 16.52932	19 58 48.20	−75 52 45.6			322
C/1999 Y1	2002 07 16.55826	19 58 39.87	−75 52 51.3			322
C/1999 Y1	2002 07 16.61014	19 58 24.84	−75 53 02.6			322
C/1999 Y1	2002 07 26.28612	19 12 25.81	−76 00 16.3	14.5	T	844
C/1999 Y1	2002 07 26.31553	19 12 17.66	−76 00 12.6	14.8	T	844
C/1999 Y1	2002 07 26.32763	19 12 14.30	−76 00 11.0	14.6	T	844
C/1999 Y1	2002 07 26.34293	19 12 10.04	−76 00 09.9	14.7	T	844
C/1999 Y1	2002 07 26.35795	19 12 05.94	−76 00 08.0	14.8	T	844

C/2000 CT_{54} (LINEAR)

C/2000 CT_{54}	2002 08 12.37897	01 33 44.43	−01 53 32.1	18.8	T	704
C/2000 CT_{54}	2002 08 12.40860	01 33 43.82	−01 53 26.6	19.3	T	704
C/2000 CT_{54}	2002 08 12.43826	01 33 43.45	−01 53 23.3	19.2	T	704
C/2000 CT_{54}	2002 08 15.02894	01 32 58.87	−01 49 04.1	17.3	T	215
C/2000 CT_{54}	2002 08 15.02963	01 32 58.88	−01 49 05.8	17.5	T	215
C/2000 CT_{54}	2002 08 15.03014	01 32 58.79	−01 49 05.6	17.7	T	215

C/2000 SV_{74} (LINEAR)

C/2000 SV_{74}	2002 07 17.88719	11 19 39.67	+76 04 11.9	15.5	T	458
C/2000 SV_{74}	2002 07 17.89351	11 19 41.98	+76 04 02.3	15.4	T	458
C/2000 SV_{74}	2002 07 17.94646	11 19 53.25	+76 02 56.9			A46
C/2000 SV_{74}	2002 07 17.94793	11 19 53.50	+76 02 54.0			A46
C/2000 SV_{74}	2002 07 17.94940	11 19 53.98	+76 02 53.2			A46
C/2000 SV_{74}	2002 07 17.95086	11 19 54.24	+76 02 50.7			A46
C/2000 SV_{74}	2002 07 17.95524	11 19 55.39	+76 02 44.5			A46
C/2000 SV_{74}	2002 07 19.87604	11 27 03.36	+75 21 40.7	15.8	T	442
C/2000 SV_{74}	2002 07 19.88980	11 27 06.55	+75 21 21.0	15.8	T	442
C/2000 SV_{74}	2002 07 22.85601	11 37 12.38	+74 17 25.7	14.8	T	470
C/2000 SV_{74}	2002 07 22.85885	11 37 13.16	+74 17 22.3	14.7	T	470
C/2000 SV_{74}	2002 07 22.93953	11 37 29.14	+74 15 36.1			A46
C/2000 SV_{74}	2002 07 22.94247	11 37 29.69	+74 15 31.0			A46
C/2000 SV_{74}	2002 07 22.94395	11 37 30.00	+74 15 30.2			A46
C/2000 SV_{74}	2002 07 22.94689	11 37 30.58	+74 15 25.9			A46
C/2000 SV_{74}	2002 07 22.94837	11 37 30.87	+74 15 23.5			A46
C/2000 SV_{74}	2002 07 22.94983	11 37 31.09	+74 15 22.9			A46
C/2000 SV_{74}	2002 07 27.03201	11 49 53.84	+72 46 48.5	15.3	T	232
C/2000 SV_{74}	2002 07 27.04162	11 49 55.85	+72 46 30.9	15.4	T	232
C/2000 SV_{74}	2002 07 27.04690	11 49 56.77	+72 46 28.9	15.3	T	232
C/2000 SV_{74}	2002 07 27.89314	11 52 19.54	+72 28 03.2	15.8	T	442
C/2000 SV_{74}	2002 07 27.89847	11 52 19.98	+72 27 55.6	15.8	T	442
C/2000 SV_{74}	2002 07 27.95674	11 52 30.11	+72 26 40.9			A46
C/2000 SV_{74}	2002 07 27.95821	11 52 30.37	+72 26 38.8			A46
C/2000 SV_{74}	2002 07 27.95969	11 52 30.51	+72 26 37.4			A46
C/2000 SV_{74}	2002 07 27.96116	11 52 30.73	+72 26 35.0			A46
C/2000 SV_{74}	2002 07 27.96263	11 52 30.96	+72 26 33.4			A46
C/2000 SV_{74}	2002 07 27.96719	11 52 31.72	+72 26 26.8	16.0	N	613
C/2000 SV_{74}	2002 07 27.97619	11 52 33.29	+72 26 15.3	15.8	N	613
C/2000 SV_{74}	2002 07 27.98747	11 52 35.30	+72 26 00.9	15.9	N	613
C/2000 SV_{74}	2002 07 29.94593	11 57 53.20	+71 43 25.7			A46
C/2000 SV_{74}	2002 07 29.94740	11 57 53.42	+71 43 23.7			A46
C/2000 SV_{74}	2002 07 29.94888	11 57 53.79	+71 43 21.5			A46
C/2000 SV_{74}	2002 07 29.95035	11 57 54.09	+71 43 20.3			A46
C/2000 SV_{74}	2002 07 29.95182	11 57 54.28	+71 43 17.4			A46
C/2000 SV_{74}	2002 07 29.95329	11 57 54.21	+71 43 15.5			A46
C/2000 SV_{74}	2002 07 29.95476	11 57 54.66	+71 43 13.2			A46
C/2000 SV_{74}	2002 07 29.95925	11 57 55.44	+71 43 08.0			A46
C/2000 SV_{74}	2002 07 29.96106	11 57 55.55	+71 43 05.4			A46
C/2000 SV_{74}	2002 08 01.88467	12 05 21.67	+70 39 37.2	15.8	T	442
C/2000 SV_{74}	2002 08 03.84032	12 10 03.44	+69 57 16.1			A46
C/2000 SV_{74}	2002 08 03.84179	12 10 03.72	+69 57 13.6			A46
C/2000 SV_{74}	2002 08 03.84473	12 10 04.13	+69 57 09.8			A46
C/2000 SV_{74}	2002 08 03.84622	12 10 04.40	+69 57 08.5			A46
C/2000 SV_{74}	2002 08 03.84767	12 10 04.62	+69 57 06.4			A46
C/2000 SV_{74}	2002 08 03.87204	12 10 07.81	+69 56 34.4	15.8	T	442
C/2000 SV_{74}	2002 08 03.87430	12 10 08.33	+69 56 30.9	15.8	T	442
C/2000 SV_{74}	2002 08 04.90406	12 12 31.78	+69 34 16.2	15.9	T	442
C/2000 SV_{74}	2002 08 04.90623	12 12 32.00	+69 34 13.0	15.9	T	442
C/2000 SV_{74}	2002 08 05.90396	12 14 48.13	+69 12 40.9			A46
C/2000 SV_{74}	2002 08 05.90543	12 14 48.39	+69 12 40.1			A46
C/2000 SV_{74}	2002 08 05.90838	12 14 48.68	+69 12 35.9			A46
C/2000 SV_{74}	2002 08 05.90985	12 14 48.96	+69 12 34.5			A46
C/2000 SV_{74}	2002 08 05.91280	12 14 49.43	+69 12 30.5			A46
C/2000 SV_{74}	2002 08 05.91427	12 14 49.56	+69 12 28.3			A46
C/2000 SV_{74}	2002 08 08.45131	12 20 23.35	+68 17 58.3			379
C/2000 SV_{74}	2002 08 08.45383	12 20 23.87	+68 17 55.7	15.8	T	379
C/2000 SV_{74}	2002 08 08.87293	12 21 17.25	+68 08 56.0	15.8	T	442
C/2000 SV_{74}	2002 08 08.87769	12 21 17.94	+68 08 50.2	15.8	T	442
C/2000 SV_{74}	2002 08 12.84531	12 29 25.67	+66 44 24.3	15.9	N	232
C/2000 SV_{74}	2002 08 12.85903	12 29 27.31	+66 44 07.4	15.9	N	232
C/2000 SV_{74}	2002 08 12.91531	12 29 34.13	+66 42 55.1	15.5	N	213
C/2000 SV_{74}	2002 08 12.91613	12 29 34.26	+66 42 54.4	15.5	N	213
C/2000 SV_{74}	2002 08 12.91740	12 29 34.25	+66 42 52.1	15.5	N	213
C/2000 SV_{74}	2002 08 14.21341	12 32 06.64	+66 15 32.3			642
C/2000 SV_{74}	2002 08 14.21792	12 32 07.04	+66 15 26.8			642
C/2000 SV_{74}	2002 08 14.22544	12 32 08.08	+66 15 17.6			642

C/2000 WM_1 (LINEAR)

C/2000 WM_1	2002 06 18.96944	16 40 20.15	+36 09 05.6	15.3	T	561
C/2000 WM_1	2002 06 18.97419	16 40 19.64	+36 09 04.9	15.3	T	561
C/2000 WM_1	2002 06 18.97917	16 40 19.17	+36 09 04.0	15.3	T	561

C/2000 WM_1	2002 06 18.98368	16 40 18.74	+36 09 03.7	15.2	T	561
C/2000 WM_1	2002 07 06.55303	16 17 56.87	+34 40 22.4			349
C/2000 WM_1	2002 07 06.55620	16 17 56.76	+34 40 21.0			349
C/2000 WM_1	2002 07 06.55729	16 17 56.59	+34 40 21.2			349
C/2000 WM_1	2002 07 06.55937	16 17 56.51	+34 40 19.9	14.7	T	349
C/2000 WM_1	2002 07 10.86580	16 14 21.51	+34 07 17.3			A50
C/2000 WM_1	2002 07 10.87623	16 14 21.02	+34 07 12.2			A50
C/2000 WM_1	2002 07 10.88318	16 14 20.72	+34 07 08.7			A50
C/2000 WM_1	2002 07 12.87543	16 12 55.27	+33 50 55.2			A50
C/2000 WM_1	2002 07 12.89300	16 12 54.58	+33 50 47.0			A50
C/2000 WM_1	2002 07 12.89861	16 12 54.38	+33 50 44.6			A50
C/2000 WM_1	2002 07 12.90001	16 12 54.30	+33 50 43.5			A50
C/2000 WM_1	2002 07 13.86915	16 12 15.86	+33 42 40.1			A50
C/2000 WM_1	2002 07 13.87196	16 12 15.75	+33 42 38.7			A50
C/2000 WM_1	2002 07 13.87477	16 12 15.63	+33 42 37.6			A50
C/2000 WM_1	2002 07 13.87758	16 12 15.53	+33 42 36.1	13.6	T	A50
C/2000 WM_1	2002 07 17.86576	16 09 57.86	+33 08 21.9	16.2	N	213
C/2000 WM_1	2002 07 17.86750	16 09 57.79	+33 08 21.1	16.2	N	213
C/2000 WM_1	2002 07 17.87174	16 09 57.69	+33 08 17.7			A46
C/2000 WM_1	2002 07 17.87287	16 09 57.61	+33 08 17.6			A46
C/2000 WM_1	2002 07 17.87440	16 09 57.64	+33 08 16.7	16.2	N	170
C/2000 WM_1	2002 07 17.87512	16 09 57.56	+33 08 14.9			A46
C/2000 WM_1	2002 07 17.87736	16 09 57.59	+33 08 14.8			A46
C/2000 WM_1	2002 07 17.87809	16 09 57.61	+33 08 14.6	16.2	N	170
C/2000 WM_1	2002 07 17.87962	16 09 57.55	+33 08 14.0			A46
C/2000 WM_1	2002 07 17.88300	16 09 57.41	+33 08 12.6			A46
C/2000 WM_1	2002 07 17.97366	16 09 54.43	+33 07 25.1	16.7	N	620
C/2000 WM_1	2002 07 17.97712	16 09 54.33	+33 07 23.3	16.3	T	620
C/2000 WM_1	2002 07 17.97885	16 09 54.27	+33 07 22.4			620
C/2000 WM_1	2002 07 17.98191	16 09 54.17	+33 07 21.0			620
C/2000 WM_1	2002 07 18.91391	16 09 26.81	+32 59 08.9	16.6	T	939
C/2000 WM_1	2002 07 18.91623	16 09 26.84	+32 59 06.8	16.7	N	611
C/2000 WM_1	2002 07 18.92146	16 09 26.70	+32 59 03.5	16.7	N	611
C/2000 WM_1	2002 07 18.92163	16 09 26.70	+32 59 05.4	17.1	T	939
C/2000 WM_1	2002 07 18.92396	16 09 26.66	+32 59 02.1	16.6	N	611
C/2000 WM_1	2002 07 18.92550	16 09 26.62	+32 59 03.1	16.7	T	939
C/2000 WM_1	2002 07 20.03027	16 08 56.17	+32 49 13.1	16.5	N	613
C/2000 WM_1	2002 07 20.03363	16 08 56.16	+32 49 10.7	16.5	N	613
C/2000 WM_1	2002 07 20.03701	16 08 56.03	+32 49 09.7	16.3	N	613
C/2000 WM_1	2002 07 20.95899	16 08 32.58	+32 40 55.7	16.4	T	941
C/2000 WM_1	2002 07 20.96174	16 08 32.51	+32 40 54.0	16.4	T	941
C/2000 WM_1	2002 07 20.96425	16 08 32.47	+32 40 52.5	16.4	T	941
C/2000 WM_1	2002 07 20.96917	16 08 32.35	+32 40 49.1	16.4	T	941
C/2000 WM_1	2002 07 20.97390	16 08 32.18	+32 40 46.9	16.4	T	941
C/2000 WM_1	2002 07 21.50315	16 08 19.46	+32 36 02.6			340
C/2000 WM_1	2002 07 21.50447	16 08 19.41	+32 36 01.8			340
C/2000 WM_1	2002 07 21.50712	16 08 19.32	+32 36 00.9	15.6	T	340
C/2000 WM_1	2002 07 21.82926	16 08 11.93	+32 33 07.4	16.2	T	470
C/2000 WM_1	2002 07 21.83751	16 08 11.76	+32 33 02.9	16.0	T	470
C/2000 WM_1	2002 07 21.85196	16 08 11.39	+32 32 53.6	16.2	N	213
C/2000 WM_1	2002 07 21.85987	16 08 11.21	+32 32 49.2	16.2	N	213
C/2000 WM_1	2002 07 21.90387	16 08 10.22	+32 32 26.1	15.8	N	170
C/2000 WM_1	2002 07 21.91332	16 08 09.91	+32 32 20.4	15.8	N	170
C/2000 WM_1	2002 07 22.90979	16 07 47.97	+32 23 20.1	16.0	N	170
C/2000 WM_1	2002 07 23.01469	16 07 45.81	+32 22 22.5			A46
C/2000 WM_1	2002 07 23.01617	16 07 45.82	+32 22 20.4			A46
C/2000 WM_1	2002 07 23.02058	16 07 45.80	+32 22 18.0			A46
C/2000 WM_1	2002 07 23.02353	16 07 45.63	+32 22 17.4			A46
C/2000 WM_1	2002 07 23.02648	16 07 45.47	+32 22 15.3			A46
C/2000 WM_1	2002 07 23.85992	16 07 28.76	+32 14 43.1	16.2	T	170
C/2000 WM_1	2002 07 23.86564	16 07 28.44	+32 14 41.9	16.2	T	170
C/2000 WM_1	2002 07 23.87858	16 07 28.34	+32 14 33.5	15.8	N	235
C/2000 WM_1	2002 07 24.91516	16 07 09.26	+32 05 03.7	16.5	T	458
C/2000 WM_1	2002 07 24.92003	16 07 09.21	+32 05 02.9	16.5	T	458
C/2000 WM_1	2002 07 24.92325	16 07 09.17	+32 05 01.0	16.5	T	458
C/2000 WM_1	2002 07 25.85668	16 06 53.36	+31 56 27.0	16.4	N	213
C/2000 WM_1	2002 07 25.85991	16 06 53.31	+31 56 26.1	16.4	N	213
C/2000 WM_1	2002 07 25.96591	16 06 51.52	+31 55 27.1			J95
C/2000 WM_1	2002 07 25.96800	16 06 51.56	+31 55 25.1			J95
C/2000 WM_1	2002 07 25.97199	16 06 51.46	+31 55 23.1			J95
C/2000 WM_1	2002 07 26.86263	16 06 38.04	+31 47 15.8			201
C/2000 WM_1	2002 07 26.86969	16 06 38.02	+31 47 10.4			201
C/2000 WM_1	2002 07 26.87542	16 06 37.95	+31 47 06.5			201
C/2000 WM_1	2002 07 26.94509	16 06 36.74	+31 46 26.8	16.2	T	170
C/2000 WM_1	2002 07 26.94723	16 06 36.76	+31 46 25.1	16.2	T	170
C/2000 WM_1	2002 07 26.97410	16 06 36.30	+31 46 11.3	16.1	T	232
C/2000 WM_1	2002 07 26.98940	16 06 36.16	+31 46 03.0	16.1	T	232
C/2000 WM_1	2002 07 27.00295	16 06 35.85	+31 45 54.7	16.2	T	232
C/2000 WM_1	2002 07 27.87028	16 06 24.38	+31 37 55.9	16.4	T	941
C/2000 WM_1	2002 07 27.87365	16 06 24.41	+31 37 53.9	16.4	T	941
C/2000 WM_1	2002 07 27.87622	16 06 24.30	+31 37 52.7	16.4	T	941
C/2000 WM_1	2002 07 27.87880	16 06 24.26	+31 37 51.2	16.4	T	941
C/2000 WM_1	2002 07 27.88244	16 06 24.27	+31 37 49.5	16.1	N	213
C/2000 WM_1	2002 07 27.88536	16 06 24.20	+31 37 46.6	16.1	N	213
C/2000 WM_1	2002 07 27.88765	16 06 24.10	+31 37 45.1	16.1	N	213
C/2000 WM_1	2002 07 27.89229	16 06 24.10	+31 37 43.4	16.2	T	170
C/2000 WM_1	2002 07 27.90501	16 06 23.93	+31 37 36.1	15.8	T	504
C/2000 WM_1	2002 07 27.90560	16 06 23.98	+31 37 34.9	16.0	T	504
C/2000 WM_1	2002 07 27.90617	16 06 23.97	+31 37 35.3	16.0	T	504
C/2000 WM_1	2002 07 27.90897	16 06 23.89	+31 37 33.2	15.8	T	504
C/2000 WM_1	2002 07 27.90949	16 06 23.90	+31 37 33.1	15.8	T	504
C/2000 WM_1	2002 07 27.91000	16 06 23.96	+31 37 32.8	16.0	T	504
C/2000 WM_1	2002 07 27.91062	16 06 23.79	+31 37 34.0	15.9	T	504
C/2000 WM_1	2002 07 27.91126	16 06 23.80	+31 37 33.6	15.7	T	504
C/2000 WM_1	2002 07 27.91185	16 06 23.79	+31 37 32.6	16.0	T	504
C/2000 WM_1	2002 07 27.91522	16 06 23.72	+31 37 30.7	16.2	T	504
C/2000 WM_1	2002 07 27.91579	16 06 23.73	+31 37 31.1	16.1	T	504
C/2000 WM_1	2002 07 27.91638	16 06 23.75	+31 37 30.2	16.6	T	504
C/2000 WM_1	2002 07 27.92484	16 06 23.63	+31 37 25.3	16.4	N	613
C/2000 WM_1	2002 07 27.93045	16 06 23.60	+31 37 21.6	16.4	N	613
C/2000 WM_1	2002 07 27.93831	16 06 23.49	+31 37 17.7	16.5	N	613
C/2000 WM_1	2002 07 28.96738	16 06 11.32	+31 27 47.9	16.5	N	613
C/2000 WM_1	2002 07 28.97187	16 06 11.26	+31 27 44.6	16.5	N	613
C/2000 WM_1	2002 07 28.97861	16 06 11.19	+31 27 41.0	16.6	N	613
C/2000 WM_1	2002 07 29.84898	16 06 02.20	+31 19 38.7			A46
C/2000 WM_1	2002 07 29.85123	16 06 02.34	+31 19 37.9			A46

C/2000 WM_1	2002 07 29.85235	16 06 02.30	+31 19 37.1			A46
C/2000 WM_1	2002 07 29.85459	16 06 02.25	+31 19 35.3			A46
C/2000 WM_1	2002 07 29.85572	16 06 02.27	+31 19 34.3			A46
C/2000 WM_1	2002 07 29.85685	16 06 02.31	+31 19 33.5			A46
C/2000 WM_1	2002 07 30.01300	16 06 00.68	+31 18 07.3	16.7	N	613
C/2000 WM_1	2002 07 30.01876	16 06 00.61	+31 18 03.6	16.6	N	613
C/2000 WM_1	2002 07 31.16724	16 05 51.05	+31 07 26.9	17.1	T	704
C/2000 WM_1	2002 07 31.18179	16 05 50.83	+31 07 18.6	17.7	T	704
C/2000 WM_1	2002 07 31.19752	16 05 50.70	+31 07 10.9	17.8	T	704
C/2000 WM_1	2002 07 31.21151	16 05 50.62	+31 07 02.5	17.7	T	704
C/2000 WM_1	2002 07 31.22661	16 05 50.45	+31 06 52.9	17.6	T	704
C/2000 WM_1	2002 08 01.84467	16 05 40.35	+30 51 55.1	15.8	T	442
C/2000 WM_1	2002 08 01.92836	16 05 39.46	+30 51 12.9	15.4	N	170
C/2000 WM_1	2002 08 03.17484	16 05 34.95	+30 39 35.1	16.8	T	762
C/2000 WM_1	2002 08 03.19350	16 05 34.79	+30 39 23.8	17.1	T	762
C/2000 WM_1	2002 08 03.90191	16 05 32.92	+30 32 50.7	16.4	T	170
C/2000 WM_1	2002 08 03.91269	16 05 32.95	+30 32 44.8	16.5	T	941
C/2000 WM_1	2002 08 03.91380	16 05 32.95	+30 32 43.5	16.4	T	170
C/2000 WM_1	2002 08 03.91756	16 05 32.71	+30 32 42.4	16.3	T	232
C/2000 WM_1	2002 08 03.91872	16 05 32.87	+30 32 41.3	16.5	T	941
C/2000 WM_1	2002 08 03.92135	16 05 32.99	+30 32 40.0	15.5	T	941
C/2000 WM_1	2002 08 03.93234	16 05 32.86	+30 32 32.9	16.4	T	232
C/2000 WM_1	2002 08 03.94533	16 05 32.88	+30 32 26.8	15.9	T	442
C/2000 WM_1	2002 08 03.94738	16 05 32.83	+30 32 23.6			A46
C/2000 WM_1	2002 08 03.95010	16 05 32.98	+30 32 22.8	16.1	N	213
C/2000 WM_1	2002 08 03.95036	16 05 32.83	+30 32 21.9			A46
C/2000 WM_1	2002 08 03.95174	16 05 32.81	+30 32 22.9	15.9	T	442
C/2000 WM_1	2002 08 03.95330	16 05 32.90	+30 32 21.3			A46
C/2000 WM_1	2002 08 03.95409	16 05 32.78	+30 32 22.3	16.1	N	213
C/2000 WM_1	2002 08 03.95477	16 05 32.87	+30 32 19.5			A46
C/2000 WM_1	2002 08 03.95624	16 05 33.02	+30 32 19.1			A46
C/2000 WM_1	2002 08 03.95771	16 05 32.95	+30 32 19.8			A46
C/2000 WM_1	2002 08 03.95794	16 05 32.93	+30 32 17.4	16.1	N	213
C/2000 WM_1	2002 08 04.82883	16 05 31.70	+30 24 15.5			143
C/2000 WM_1	2002 08 04.83122	16 05 31.65	+30 24 15.1			143
C/2000 WM_1	2002 08 04.83360	16 05 31.62	+30 24 13.6			143
C/2000 WM_1	2002 08 04.83598	16 05 31.69	+30 24 11.8			143
C/2000 WM_1	2002 08 04.83837	16 05 31.63	+30 24 10.7			143
C/2000 WM_1	2002 08 07.11214	16 05 33.28	+30 03 11.7			762
C/2000 WM_1	2002 08 07.11620	16 05 33.31	+30 03 09.7			762
C/2000 WM_1	2002 08 07.12223	16 05 33.29	+30 03 06.6			762
C/2000 WM_1	2002 08 07.56590	16 05 34.35	+29 59 01.3	15.5	T	360
C/2000 WM_1	2002 08 07.56832	16 05 34.38	+29 59 00.0			360
C/2000 WM_1	2002 08 07.87245	16 05 35.44	+29 56 11.6	16.3	T	170
C/2000 WM_1	2002 08 07.87453	16 05 35.19	+29 56 12.5	16.3	T	170
C/2000 WM_1	2002 08 08.90529	16 05 39.46	+29 46 42.5	16.4	T	442
C/2000 WM_1	2002 08 08.90762	16 05 39.30	+29 46 41.0	16.4	T	442
C/2000 WM_1	2002 08 11.20047	16 05 53.49	+29 25 45.8	16.3	T	848
C/2000 WM_1	2002 08 11.22569	16 05 53.61	+29 25 30.9	16.3	T	848
C/2000 WM_1	2002 08 11.24110	16 05 53.61	+29 25 22.5	16.9	T	848
C/2000 WM_1	2002 08 11.88161	16 05 58.60	+29 19 33.3	16.4	N	213
C/2000 WM_1	2002 08 11.88263	16 05 58.65	+29 19 32.8	16.4	N	213
C/2000 WM_1	2002 08 11.88365	16 05 58.65	+29 19 31.8	16.4	N	213
C/2000 WM_1	2002 08 11.89009	16 05 58.62	+29 19 29.5	16.6	T	170
C/2000 WM_1	2002 08 11.89240	16 05 58.73	+29 19 28.0	16.6	T	170
C/2000 WM_1	2002 08 15.09397	16 06 31.35	+28 50 37.1			762
C/2000 WM_1	2002 08 15.10329	16 06 31.52	+28 50 30.9			762
C/2000 WM_1	2002 08 15.11248	16 06 31.58	+28 50 26.8			762

C/2001 C7 (SOHO)

C/2001 C7	2001 02 11.57925	21 45 38.8	−12 17 40		249
Geocentric position (AU)	+0.00808882	−0.00308911	−0.00071405		
C/2001 C7	2001 02 11.58756	21 45 26.0	−12 16 01		249
Geocentric position (AU)	+0.00809007	−0.00308724	−0.00071340		
C/2001 C7	2001 02 11.60423	21 45 03.0	−12 12 46		249
Geocentric position (AU)	+0.00809259	−0.00308349	−0.00071211		
C/2001 C7	2001 02 11.62090	21 44 39.1	−12 09 40		249
Geocentric position (AU)	+0.00809510	−0.00307974	−0.00071083		
C/2001 C7	2001 02 11.62925	21 44 26.6	−12 08 15		249
Geocentric position (AU)	+0.00809636	−0.00307786	−0.00071018		
C/2001 C7	2001 02 11.64590	21 44 02.4	−12 05 34		249
Geocentric position (AU)	+0.00809887	−0.00307412	−0.00070889		
C/2001 C7	2001 02 11.66675	21 43 27.6	−12 02 00		249
Geocentric position (AU)	+0.00810201	−0.00306943	−0.00070728		
C/2001 C7	2001 02 11.67090	21 43 20.7	−12 01 14		249
Geocentric position (AU)	+0.00810263	−0.00306849	−0.00070696		

C/2001 D1 (SOHO)

C/2001 D1	2001 02 18.40631	21 59 40.0	−11 31 12		249
Geocentric position (AU)	+0.00898053	−0.00153039	−0.00020094		
C/2001 D1	2001 02 18.42020	22 00 03.0	−11 30 55		249
Geocentric position (AU)	+0.00898204	−0.00152720	−0.00019992		
C/2001 D1	2001 02 18.43063	22 00 17.6	−11 30 29		249
Geocentric position (AU)	+0.00898317	−0.00152479	−0.00019916		
C/2001 D1	2001 02 18.43757	22 00 26.7	−11 30 13		249
Geocentric position (AU)	+0.00898393	−0.00152320	−0.00019866		
C/2001 D1	2001 02 18.44104	22 00 32.0	−11 29 54		249
Geocentric position (AU)	+0.00898431	−0.00152240	−0.00019840		
C/2001 D1	2001 02 18.44798	22 00 44.7	−11 30 21		249
Geocentric position (AU)	+0.00898506	−0.00152080	−0.00019790		
C/2001 D1	2001 02 18.45145	22 00 49.3	−11 29 26		249
Geocentric position (AU)	+0.00898543	−0.00152000	−0.00019764		
C/2001 D1	2001 02 18.46881	22 01 14.2	−11 28 55		249
Geocentric position (AU)	+0.00898732	−0.00151600	−0.00019638		
C/2001 D1	2001 02 18.47229	22 01 17.1	−11 27 48		249
Geocentric position (AU)	+0.00898769	−0.00151520	−0.00019612		
C/2001 D1	2001 02 18.48965	22 01 47.6	−11 27 12		249
Geocentric position (AU)	+0.00898957	−0.00151120	−0.00019486		
C/2001 D1	2001 02 18.49312	22 01 51.4	−11 27 21		249
Geocentric position (AU)	+0.00898995	−0.00151040	−0.00019461		
C/2001 D1	2001 02 18.50007	22 02 02.4	−11 26 57		249
Geocentric position (AU)	+0.00899070	−0.00150880	−0.00019410		
C/2001 D1	2001 02 18.50355	22 02 10.5	−11 26 58		249
Geocentric position (AU)	+0.00899108	−0.00150800	−0.00019384		
C/2001 D1	2001 02 18.51397	22 02 23.9	−11 26 48		249
Geocentric position (AU)	+0.00899220	−0.00150560	−0.00019309		

C/2001 D1	2001 02 18.52092	22 02 34.3	−11 25 46		249
Geocentric position (AU)		+0.00899295	−0.00150400	−0.00019258	
C/2001 D1	2001 02 18.52438	22 02 39.6	−11 26 03		249
Geocentric position (AU)		+0.00899333	−0.00150320	−0.00019233	

C/2001 G1 (LONEOS)

C/2001 G1	2002 05 04.21332	12 59 17.03	−10 18 31.6	17.6	T	699
C/2001 G1	2002 05 04.22767	12 59 16.86	−10 18 26.9			699
C/2001 G1	2002 05 04.24209	12 59 16.67	−10 18 23.4			699
C/2001 G1	2002 05 04.25644	12 59 16.53	−10 18 19.6			699
C/2001 G1	2002 05 11.14961	12 58 01.89	−09 48 23.9	18.5	T	704
C/2001 G1	2002 05 11.16433	12 58 01.68	−09 48 19.2	19.6	T	704
C/2001 G1	2002 05 11.18039	12 58 01.60	−09 48 13.6	19.4	T	704
C/2001 G1	2002 05 11.19511	12 58 01.44	−09 48 10.2	19.9	T	704
C/2001 G1	2002 05 11.20990	12 58 01.29	−09 48 04.4	19.2	T	704
C/2001 G1	2002 05 13.14649	12 57 42.65	−09 39 59.2	19.0	T	704
C/2001 G1	2002 05 13.16121	12 57 42.46	−09 39 54.3	20.0	T	704
C/2001 G1	2002 05 13.17593	12 57 42.43	−09 39 50.9	20.0	T	704
C/2001 G1	2002 05 13.19066	12 57 42.14	−09 39 45.8	19.8	T	704
C/2001 G1	2002 05 13.20551	12 57 41.97	−09 39 42.7	19.2	T	704

C/2001 K5 (LINEAR)

C/2001 K5	2002 07 06.51227	16 24 28.62	+18 15 12.9			349
C/2001 K5	2002 07 06.51374	16 24 28.55	+18 15 12.8			349
C/2001 K5	2002 07 06.51538	16 24 28.50	+18 15 13.6			349
C/2001 K5	2002 07 06.52116	16 24 28.35	+18 15 14.6	14.1	T	349
C/2001 K5	2002 07 12.63512	16 21 53.67	+18 34 12.6	14.5	T	349
C/2001 K5	2002 07 12.63817	16 21 53.58	+18 34 13.7			349
C/2001 K5	2002 07 12.64312	16 21 53.50	+18 34 15.5			349
C/2001 K5	2002 07 12.64583	16 21 53.43	+18 34 16.1			349
C/2001 K5	2002 07 12.93020	16 21 46.82	+18 35 01.2			A50
C/2001 K5	2002 07 12.93159	16 21 46.80	+18 35 01.6			A50
C/2001 K5	2002 07 12.93624	16 21 46.68	+18 35 01.9			A50
C/2001 K5	2002 07 12.93978	16 21 46.60	+18 35 02.5			A50
C/2001 K5	2002 07 13.91528	16 21 24.44	+18 37 33.8			A50
C/2001 K5	2002 07 13.92089	16 21 24.31	+18 37 34.5	13.4	T	A50
C/2001 K5	2002 07 14.57612	16 21 09.78	+18 39 11.4			349
C/2001 K5	2002 07 14.57943	16 21 09.69	+18 39 11.6			349
C/2001 K5	2002 07 14.58103	16 21 09.64	+18 39 11.8			349
C/2001 K5	2002 07 14.58247	16 21 09.61	+18 39 11.7	14.3	T	349
C/2001 K5	2002 07 14.93779	16 21 01.87	+18 40 03.3	14.5	N	952
C/2001 K5	2002 07 14.94421	16 21 01.75	+18 40 04.3	14.5	N	952
C/2001 K5	2002 07 14.94868	16 21 01.65	+18 40 05.2	14.5	N	952
C/2001 K5	2002 07 14.95265	16 21 01.54	+18 40 06.1	14.5	N	952
C/2001 K5	2002 07 16.51584	16 20 28.61	+18 43 41.9			322
C/2001 K5	2002 07 16.51873	16 20 28.55	+18 43 42.3			322
C/2001 K5	2002 07 16.55247	16 20 27.82	+18 43 46.9			322
C/2001 K5	2002 07 16.59997	16 20 26.83	+18 43 52.9			322
C/2001 K5	2002 07 16.60315	16 20 26.75	+18 43 53.6			322
C/2001 K5	2002 07 17.83861	16 20 02.01	+18 46 26.5			A46
C/2001 K5	2002 07 17.84084	16 20 01.98	+18 46 26.5			A46
C/2001 K5	2002 07 17.84418	16 20 01.91	+18 46 27.1			A46
C/2001 K5	2002 07 17.84530	16 20 01.88	+18 46 27.3			A46
C/2001 K5	2002 07 17.84752	16 20 01.81	+18 46 27.7			A46
C/2001 K5	2002 07 17.84976	16 20 01.80	+18 46 28.2			A46
C/2001 K5	2002 07 17.85087	16 20 01.76	+18 46 28.4			A46
C/2001 K5	2002 07 17.85199	16 20 01.77	+18 46 28.2			A46
C/2001 K5	2002 07 17.85310	16 20 01.72	+18 46 28.2			A46
C/2001 K5	2002 07 17.85422	16 20 01.72	+18 46 28.5			A46
C/2001 K5	2002 07 17.87170	16 20 01.37	+18 46 32.1	14.3	N	213
C/2001 K5	2002 07 17.87532	16 20 01.29	+18 46 32.2	14.3	N	213
C/2001 K5	2002 07 17.88035	16 20 01.25	+18 46 32.6	14.3	N	170
C/2001 K5	2002 07 17.92380	16 20 00.36	+18 46 37.4	14.4	T	J91
C/2001 K5	2002 07 17.99865	16 19 58.81	+18 46 46.9	15.0	N	620
C/2001 K5	2002 07 18.00274	16 19 58.73	+18 46 47.5	14.6	T	620
C/2001 K5	2002 07 18.00458	16 19 58.70	+18 46 47.6			620
C/2001 K5	2002 07 18.00551	16 19 58.68	+18 46 47.8			620
C/2001 K5	2002 07 18.00864	16 19 58.66	+18 46 47.3	14.4	T	J91
C/2001 K5	2002 07 18.89247	16 19 41.71	+18 48 31.0	14.2	T	939
C/2001 K5	2002 07 18.89823	16 19 41.60	+18 48 32.1	14.2	T	939
C/2001 K5	2002 07 18.90405	16 19 41.48	+18 48 32.8	14.2	T	939
C/2001 K5	2002 07 19.93917	16 19 22.34	+18 50 27.0	14.3	T	939
C/2001 K5	2002 07 19.94303	16 19 22.28	+18 50 27.6	14.3	T	939
C/2001 K5	2002 07 19.94722	16 19 22.18	+18 50 28.8	14.4	N	J98
C/2001 K5	2002 07 19.94883	16 19 22.18	+18 50 28.4	14.3	T	939
C/2001 K5	2002 07 19.95814	16 19 21.98	+18 50 31.3	14.7	T	613
C/2001 K5	2002 07 19.96377	16 19 21.88	+18 50 32.0	14.7	T	613
C/2001 K5	2002 07 19.97054	16 19 21.77	+18 50 32.5	14.8	T	613
C/2001 K5	2002 07 19.98889	16 19 21.44	+18 50 33.2	14.4	N	J98
C/2001 K5	2002 07 20.53036	16 19 11.80	+18 51 31.2	14.3	T	349
C/2001 K5	2002 07 20.53266	16 19 11.79	+18 51 31.4			349
C/2001 K5	2002 07 20.53463	16 19 11.75	+18 51 31.3			349
C/2001 K5	2002 07 20.53777	16 19 11.67	+18 51 31.5			349
C/2001 K5	2002 07 20.85911	16 19 06.09	+18 52 02.9			A46
C/2001 K5	2002 07 20.86024	16 19 06.07	+18 52 03.4			A46
C/2001 K5	2002 07 20.86252	16 19 06.00	+18 52 03.6			A46
C/2001 K5	2002 07 20.86366	16 19 06.01	+18 52 03.7			A46
C/2001 K5	2002 07 20.86478	16 19 05.98	+18 52 04.3			A46
C/2001 K5	2002 07 20.86951	16 19 05.90	+18 52 04.6			A46
C/2001 K5	2002 07 20.87064	16 19 05.90	+18 52 04.3			A46
C/2001 K5	2002 07 20.87176	16 19 05.83	+18 52 04.8			A46
C/2001 K5	2002 07 20.87288	16 19 05.84	+18 52 04.4			A46
C/2001 K5	2002 07 20.87514	16 19 05.81	+18 52 04.8			A46
C/2001 K5	2002 07 20.98193	16 19 03.86	+18 52 15.9	14.6	T	939
C/2001 K5	2002 07 20.98779	16 19 03.77	+18 52 17.0	14.7	T	939
C/2001 K5	2002 07 20.99362	16 19 03.68	+18 52 17.7	14.7	T	939
C/2001 K5	2002 07 21.46913	16 18 55.62	+18 53 04.8			340
C/2001 K5	2002 07 21.47066	16 18 55.59	+18 53 05.3			340
C/2001 K5	2002 07 21.47287	16 18 55.55	+18 53 05.7	14.4	T	340
C/2001 K5	2002 07 21.92067	16 18 47.98	+18 53 45.4	14.4	T	470
C/2001 K5	2002 07 21.93875	16 18 47.68	+18 53 48.0	14.5	T	470
C/2001 K5	2002 07 22.94163	16 18 31.39	+18 55 18.6	14.4	T	939
C/2001 K5	2002 07 22.94936	16 18 31.27	+18 55 19.4	14.4	T	939
C/2001 K5	2002 07 22.95325	16 18 31.20	+18 55 19.8	14.4	T	939
C/2001 K5	2002 07 22.97512	16 18 30.89	+18 55 21.7			A46
C/2001 K5	2002 07 22.97624	16 18 30.88	+18 55 21.7			A46
C/2001 K5	2002 07 22.97736	16 18 30.91	+18 55 21.5			A46

C/2001 K5	2002 07 22.97848	16 18 30.83	+18 55 21.7			A46
C/2001 K5	2002 07 22.97962	16 18 30.81	+18 55 22.1			A46
C/2001 K5	2002 07 22.98074	16 18 30.81	+18 55 22.8			A46
C/2001 K5	2002 07 22.98188	16 18 30.79	+18 55 21.8			A46
C/2001 K5	2002 07 22.98300	16 18 30.79	+18 55 22.9			A46
C/2001 K5	2002 07 22.98640	16 18 30.70	+18 55 22.7			A46
C/2001 K5	2002 07 22.98752	16 18 30.74	+18 55 22.2			A46
C/2001 K5	2002 07 23.87033	16 18 17.06	+18 56 39.1	14.5	N	235
C/2001 K5	2002 07 23.88606	16 18 16.86	+18 56 39.2	14.3	T	170
C/2001 K5	2002 07 23.91395	16 18 16.40	+18 56 42.3	14.8	N	458
C/2001 K5	2002 07 23.92054	16 18 16.27	+18 56 42.7	14.8	N	458
C/2001 K5	2002 07 23.92584	16 18 16.26	+18 56 43.2	14.8	N	458
C/2001 K5	2002 07 24.94980	16 18 01.11	+18 58 01.4	14.4	T	939
C/2001 K5	2002 07 24.95559	16 18 01.03	+18 58 02.1	14.4	T	939
C/2001 K5	2002 07 24.96140	16 18 00.94	+18 58 03.0	14.4	T	939
C/2001 K5	2002 07 25.93949	16 17 47.34	+18 59 12.3	14.3	T	939
C/2001 K5	2002 07 25.94529	16 17 47.23	+18 59 12.4	14.3	T	939
C/2001 K5	2002 07 25.95104	16 17 47.14	+18 59 12.8	14.3	T	939
C/2001 K5	2002 07 26.87166	16 17 35.05	+19 00 14.7			201
C/2001 K5	2002 07 26.87715	16 17 34.93	+19 00 14.6			201
C/2001 K5	2002 07 26.88183	16 17 34.90	+19 00 15.1			201
C/2001 K5	2002 07 26.91067	16 17 34.54	+19 00 16.9	14.8	N	445
C/2001 K5	2002 07 26.91822	16 17 34.40	+19 00 18.3	14.7	N	445
C/2001 K5	2002 07 26.92619	16 17 34.34	+19 00 16.8	14.4	N	213
C/2001 K5	2002 07 26.92841	16 17 34.33	+19 00 17.0	14.4	N	213
C/2001 K5	2002 07 26.93016	16 17 34.28	+19 00 17.0	14.4	N	213
C/2001 K5	2002 07 26.96510	16 17 33.76	+19 00 19.2	14.6	N	232
C/2001 K5	2002 07 26.97447	16 17 33.68	+19 00 19.3	14.4	T	939
C/2001 K5	2002 07 26.97838	16 17 33.62	+19 00 20.1	14.4	T	939
C/2001 K5	2002 07 26.98243	16 17 33.60	+19 00 20.8	14.7	N	232
C/2001 K5	2002 07 26.98419	16 17 33.55	+19 00 20.8	14.5	T	939
C/2001 K5	2002 07 26.99632	16 17 33.37	+19 00 21.7	14.7	N	232
C/2001 K5	2002 07 27.52855	16 17 26.73	+19 00 53.6			349
C/2001 K5	2002 07 27.53097	16 17 26.68	+19 00 54.1			349
C/2001 K5	2002 07 27.55211	16 17 26.46	+19 00 55.0			349
C/2001 K5	2002 07 27.55382	16 17 26.42	+19 00 55.4	14.4	T	349
C/2001 K5	2002 07 27.89615	16 17 22.31	+19 01 15.1	14.4	N	941
C/2001 K5	2002 07 27.89912	16 17 22.25	+19 01 15.1	14.4	N	941
C/2001 K5	2002 07 27.89972	16 17 22.16	+19 01 14.2	14.5	N	170
C/2001 K5	2002 07 27.90159	16 17 22.17	+19 01 15.3	14.4	N	941
C/2001 K5	2002 07 27.90411	16 17 22.14	+19 01 15.3	14.4	N	941
C/2001 K5	2002 07 27.90840	16 17 22.07	+19 01 15.2	14.5	N	170
C/2001 K5	2002 07 27.92312	16 17 21.93	+19 01 15.1	14.3	N	J91
C/2001 K5	2002 07 27.92418	16 17 21.77	+19 01 18.1	14.6	N	235
C/2001 K5	2002 07 27.93863	16 17 21.69	+19 01 16.3	14.3	N	J91
C/2001 K5	2002 07 28.01413	16 17 20.82	+19 01 19.7			A46
C/2001 K5	2002 07 28.01502	16 17 20.79	+19 01 20.0			A46
C/2001 K5	2002 07 28.01861	16 17 20.81	+19 01 20.8			A46
C/2001 K5	2002 07 28.01950	16 17 20.74	+19 01 20.6			A46
C/2001 K5	2002 07 28.02041	16 17 20.73	+19 01 19.9			A46
C/2001 K5	2002 07 28.02131	16 17 20.71	+19 01 21.1			A46
C/2001 K5	2002 07 28.02311	16 17 20.71	+19 01 20.6			A46
C/2001 K5	2002 07 28.02400	16 17 20.64	+19 01 21.2			A46
C/2001 K5	2002 07 28.02490	16 17 20.69	+19 01 20.5			A46
C/2001 K5	2002 07 28.02579	16 17 20.71	+19 01 20.8			A46
C/2001 K5	2002 07 28.03486	16 17 20.56	+19 01 22.7	14.6	T	613
C/2001 K5	2002 07 28.03825	16 17 20.53	+19 01 23.3	14.7	T	613
C/2001 K5	2002 07 28.04277	16 17 20.44	+19 01 23.6	14.6	T	613
C/2001 K5	2002 07 28.90303	16 17 10.51	+19 02 10.3	14.7	T	613
C/2001 K5	2002 07 28.98227	16 17 09.55	+19 02 13.8	14.7	T	613
C/2001 K5	2002 07 28.99014	16 17 09.48	+19 02 14.1	14.6	T	613
C/2001 K5	2002 07 29.82203	16 17 00.45	+19 02 51.6			A46
C/2001 K5	2002 07 29.82766	16 17 00.41	+19 02 52.1			A46
C/2001 K5	2002 07 29.82878	16 17 00.39	+19 02 52.4			A46
C/2001 K5	2002 07 29.82992	16 17 00.38	+19 02 52.4			A46
C/2001 K5	2002 07 29.83104	16 17 00.37	+19 02 52.3			A46
C/2001 K5	2002 07 29.83218	16 17 00.33	+19 02 52.5			A46
C/2001 K5	2002 07 29.83330	16 17 00.33	+19 02 52.5			A46
C/2001 K5	2002 07 29.83443	16 17 00.32	+19 02 52.6			A46
C/2001 K5	2002 07 29.83557	16 17 00.30	+19 02 52.8			A46
C/2001 K5	2002 07 29.83669	16 17 00.31	+19 02 52.7			A46
C/2001 K5	2002 07 29.99557	16 16 58.59	+19 03 02.0	14.7	T	613
C/2001 K5	2002 07 30.00459	16 16 58.49	+19 03 02.1	14.7	T	613
C/2001 K5	2002 07 31.95403	16 16 39.61	+19 04 17.9			A46
C/2001 K5	2002 07 31.95519	16 16 39.60	+19 04 17.7			A46
C/2001 K5	2002 08 01.85138	16 16 32.00	+19 04 46.2	14.4	T	442
C/2001 K5	2002 08 01.85717	16 16 31.90	+19 04 46.6	14.4	T	442
C/2001 K5	2002 08 02.85774	16 16 24.13	+19 05 13.5	14.6	N	235
C/2001 K5	2002 08 02.94385	16 16 23.48	+19 05 16.4	14.5	N	J91
C/2001 K5	2002 08 02.97398	16 16 23.22	+19 05 15.5	14.5	N	J91
C/2001 K5	2002 08 03.16223	16 16 21.89	+19 05 22.1	15.3	T	762
C/2001 K5	2002 08 03.18903	16 16 21.70	+19 05 22.5	15.3	T	762
C/2001 K5	2002 08 03.81206	16 16 17.41	+19 05 35.3			A46
C/2001 K5	2002 08 03.81432	16 16 17.35	+19 05 35.1			A46
C/2001 K5	2002 08 03.81545	16 16 17.35	+19 05 35.0			A46
C/2001 K5	2002 08 03.81659	16 16 17.38	+19 05 35.3			A46
C/2001 K5	2002 08 03.81997	16 16 17.34	+19 05 35.3			A46
C/2001 K5	2002 08 03.82109	16 16 17.37	+19 05 35.2			A46
C/2001 K5	2002 08 03.82333	16 16 17.32	+19 05 35.5			A46
C/2001 K5	2002 08 03.82447	16 16 17.36	+19 05 35.2			A46
C/2001 K5	2002 08 03.82559	16 16 17.31	+19 05 35.4			A46
C/2001 K5	2002 08 03.82672	16 16 17.31	+19 05 35.3			A46
C/2001 K5	2002 08 03.88682	16 16 16.87	+19 05 35.7	14.5	T	442
C/2001 K5	2002 08 03.89525	16 16 16.86	+19 05 35.9	14.5	T	442
C/2001 K5	2002 08 03.89718	16 16 16.87	+19 05 36.4	14.7	N	232
C/2001 K5	2002 08 03.90360	16 16 16.80	+19 05 36.9	14.7	N	232
C/2001 K5	2002 08 03.91171	16 16 16.75	+19 05 37.8	14.7	N	232
C/2001 K5	2002 08 03.98621	16 16 16.11	+19 05 39.4	14.5	N	J91
C/2001 K5	2002 08 04.91580	16 16 10.54	+19 05 53.6	14.8	N	458
C/2001 K5	2002 08 04.92139	16 16 10.49	+19 05 54.6	14.8	N	458
C/2001 K5	2002 08 04.94604	16 16 10.32	+19 05 54.1	14.7	N	J91
C/2001 K5	2002 08 04.94794	16 16 10.36	+19 05 53.1	14.6	T	442
C/2001 K5	2002 08 04.95075	16 16 10.33	+19 05 52.9	14.6	T	442
C/2001 K5	2002 08 04.95701	16 16 10.21	+19 05 53.8	14.7	N	J91
C/2001 K5	2002 08 05.50256	16 16 07.28	+19 06 03.6	14.3	T	360
C/2001 K5	2002 08 05.50506	16 16 07.28	+19 06 03.7			360

C/2001 K5	2002 08 05.83542	16 16 05.57	+19 06 04.1		A46
C/2001 K5	2002 08 05.83654	16 16 05.57	+19 06 04.1		A46
C/2001 K5	2002 08 05.83766	16 16 05.57	+19 06 04.2		A46
C/2001 K5	2002 08 05.83880	16 16 05.55	+19 06 04.1		A46
C/2001 K5	2002 08 05.83992	16 16 05.54	+19 06 04.6		A46
C/2001 K5	2002 08 05.84104	16 16 05.54	+19 06 04.5		A46
C/2001 K5	2002 08 05.84216	16 16 05.56	+19 06 04.5		A46
C/2001 K5	2002 08 05.84330	16 16 05.52	+19 06 04.5		A46
C/2001 K5	2002 08 05.84441	16 16 05.52	+19 06 04.0		A46
C/2001 K5	2002 08 05.84552	16 16 05.52	+19 06 04.4		A46
C/2001 K5	2002 08 05.91649	16 16 05.17	+19 06 05.2	14.4 T	939
C/2001 K5	2002 08 05.92035	16 16 05.13	+19 06 05.5	14.5 T	939
C/2001 K5	2002 08 05.92808	16 16 05.06	+19 06 05.4	14.4 T	939
C/2001 K5	2002 08 06.56727	16 16 02.05	+19 06 12.2		340
C/2001 K5	2002 08 06.57178	16 16 02.04	+19 06 12.3	14.5 T	340
C/2001 K5	2002 08 06.92003	16 16 00.54	+19 06 14.6	14.6 N	613
C/2001 K5	2002 08 06.92902	16 16 00.48	+19 06 14.3	14.6 N	613
C/2001 K5	2002 08 06.97697	16 16 00.07	+19 06 17.6	14.7 N	J91
C/2001 K5	2002 08 06.99049	16 16 00.19	+19 06 04.2	14.7 N	J91
C/2001 K5	2002 08 07.58605	16 15 57.92	+19 06 17.1		349
C/2001 K5	2002 08 07.58940	16 15 57.90	+19 06 17.5		349
C/2001 K5	2002 08 07.59064	16 15 57.86	+19 06 17.1		349
C/2001 K5	2002 08 07.59258	16 15 57.87	+19 06 17.3	14.5 T	349
C/2001 K5	2002 08 07.94677	16 15 56.78	+19 06 15.8	14.7 N	232
C/2001 K5	2002 08 07.95140	16 15 56.70	+19 06 16.2	14.7 N	232
C/2001 K5	2002 08 07.95604	16 15 56.60	+19 06 16.7	14.7 N	232
C/2001 K5	2002 08 08.91414	16 15 53.77	+19 06 15.3	14.5 T	442
C/2001 K5	2002 08 08.91641	16 15 53.75	+19 06 14.9	14.5 T	442
C/2001 K5	2002 08 10.49913	16 15 50.61	+19 06 07.1		349
C/2001 K5	2002 08 10.50061	16 15 50.61	+19 06 06.6		349
C/2001 K5	2002 08 10.50336	16 15 50.61	+19 06 06.8		349
C/2001 K5	2002 08 10.50605	16 15 50.60	+19 06 06.8	14.5 T	349
C/2001 K5	2002 08 10.87828	16 15 50.14	+19 06 02.3	14.8 N	458
C/2001 K5	2002 08 10.88444	16 15 50.19	+19 06 03.2	14.8 N	458
C/2001 K5	2002 08 11.81309	16 15 49.60	+19 05 50.5	14.7 T	233
C/2001 K5	2002 08 11.81905	16 15 49.61	+19 05 50.6	14.7 T	233
C/2001 K5	2002 08 11.82708	16 15 49.59	+19 05 49.8	14.7 T	233
C/2001 K5	2002 08 11.83682	16 15 49.60	+19 05 49.7	14.5 T	233
C/2001 K5	2002 08 11.84355	16 15 49.59	+19 05 49.8	14.7 T	233
C/2001 K5	2002 08 11.87433	16 15 49.54	+19 05 49.4	14.7 N	213
C/2001 K5	2002 08 11.87483	16 15 49.47	+19 05 49.3	14.7 N	213
C/2001 K5	2002 08 11.87584	16 15 49.54	+19 05 49.2	14.7 N	213
C/2001 K5	2002 08 11.88741	16 15 49.45	+19 05 49.7	14.5 N	170
C/2001 K5	2002 08 11.96631	16 15 49.47	+19 05 48.0	14.8 N	232
C/2001 K5	2002 08 11.96861	16 15 49.42	+19 05 48.1	14.7 N	232
C/2001 K5	2002 08 11.97094	16 15 49.41	+19 05 47.8	14.8 N	232
C/2001 K5	2002 08 11.97324	16 15 49.40	+19 05 48.0	14.8 N	232
C/2001 K5	2002 08 11.97556	16 15 49.39	+19 05 48.1	14.7 N	232
C/2001 K5	2002 08 12.87073	16 15 49.73	+19 05 36.2	14.6 N	235
C/2001 K5	2002 08 15.12728	16 15 52.84	+19 04 44.9		762

C/2001 K11 (SOHO)

C/2001 K11	2001 05 16.67090	03 37 18.2	+20 07 07	249
Geocentric position (AU)	+0.00851696	+0.00694074	+0.00220946	
C/2001 K11	2001 05 16.68619	03 37 16.7	+20 12 21	249
Geocentric position (AU)	+0.00851622	+0.00694136	+0.00221000	
C/2001 K11	2001 05 16.70145	03 37 16.9	+20 17 06	249
Geocentric position (AU)	+0.00851548	+0.00694199	+0.00221055	
C/2001 K11	2001 05 16.71257	03 37 16.9	+20 20 22	249
Geocentric position (AU)	+0.00851493	+0.00694244	+0.00221094	
C/2001 K11	2001 05 16.72645	03 37 16.9	+20 24 54	249
Geocentric position (AU)	+0.00851426	+0.00694301	+0.00221144	
C/2001 K11	2001 05 16.74314	03 37 16.1	+20 30 01	249
Geocentric position (AU)	+0.00851344	+0.00694369	+0.00221203	
C/2001 K11	2001 05 16.75423	03 37 15.3	+20 33 20	249
Geocentric position (AU)	+0.00851290	+0.00694415	+0.00221243	
C/2001 K11	2001 05 16.76814	03 37 14.1	+20 37 26	249
Geocentric position (AU)	+0.00851222	+0.00694472	+0.00221293	
C/2001 K11	2001 05 16.78618	03 37 13.2	+20 42 34	249
Geocentric position (AU)	+0.00851133	+0.00694546	+0.00221357	
C/2001 K11	2001 05 16.81232	03 37 10.7	+20 49 46	249
Geocentric position (AU)	+0.00851005	+0.00694653	+0.00221451	
C/2001 K11	2001 05 16.82646	03 37 09.6	+20 53 06	249
Geocentric position (AU)	+0.00850935	+0.00694711	+0.00221502	
C/2001 K11	2001 05 16.83757	03 37 06.8	+20 56 19	249
Geocentric position (AU)	+0.00850881	+0.00694757	+0.00221541	
C/2001 K11	2001 05 16.85145	03 37 05.2	+20 59 43	249
Geocentric position (AU)	+0.00850812	+0.00694814	+0.00221591	
C/2001 K11	2001 05 16.86812	03 37 02.2	+21 03 34	249
Geocentric position (AU)	+0.00850730	+0.00694882	+0.00221651	
C/2001 K11	2001 05 16.89316	03 36 58.4	+21 09 08	249
Geocentric position (AU)	+0.00850606	+0.00694985	+0.00221741	
C/2001 K11	2001 05 16.91117	03 36 54.7	+21 12 47	249
Geocentric position (AU)	+0.00850517	+0.00695059	+0.00221806	
C/2001 K11	2001 05 16.92091	03 36 53.7	+21 14 43	249
Geocentric position (AU)	+0.00850469	+0.00695099	+0.00221841	

C/2001 L10 (SOHO)

C/2001 L10	2001 06 01.35423	04 39 22.9	+23 15 24	249
Geocentric position (AU)	+0.00725779	+0.00755866	+0.00284878	
C/2001 L10	2001 06 01.38063	04 39 34.5	+23 23 21	249
Geocentric position (AU)	+0.00725501	+0.00755959	+0.00284991	
C/2001 L10	2001 06 01.39590	04 39 41.2	+23 27 41	249
Geocentric position (AU)	+0.00725340	+0.00756014	+0.00285056	
C/2001 L10	2001 06 01.41280	04 39 48.6	+23 32 28	249
Geocentric position (AU)	+0.00725162	+0.00756074	+0.00285129	
C/2001 L10	2001 06 01.42091	04 39 51.8	+23 34 43	249
Geocentric position (AU)	+0.00725077	+0.00756102	+0.00285164	
C/2001 L10	2001 06 01.43775	04 39 59.0	+23 39 13	249
Geocentric position (AU)	+0.00724899	+0.00756162	+0.00285236	
C/2001 L10	2001 06 01.46256	04 40 09.4	+23 45 37	249
Geocentric position (AU)	+0.00724637	+0.00756250	+0.00285343	
C/2001 L10	2001 06 01.47923	04 40 16.6	+23 49 48	249
Geocentric position (AU)	+0.00724461	+0.00756310	+0.00285414	

C/2001 L10	2001 06 01.49590	04 40 22.6	+23 53 39		249
Geocentric position (AU)		+0.00724285	+0.00756369	+0.00285486	
C/2001 L10	2001 06 01.50425	04 40 26.1	+23 55 34		249
Geocentric position (AU)		+0.00724197	+0.00756399	+0.00285522	
C/2001 L10	2001 06 01.52090	04 40 33.5	+23 59 20		249
Geocentric position (AU)		+0.00724021	+0.00756458	+0.00285593	

C/2001 L11 (SOHO)

C/2001 L11	2001 06 08.13062	05 03 49.9	+21 02 54		249
Geocentric position (AU)		+0.00646648	+0.00781783	+0.00315324	
C/2001 L11	2001 06 08.14590	05 03 51.5	+21 05 29		249
Geocentric position (AU)		+0.00646448	+0.00781846	+0.00315396	
C/2001 L11	2001 06 08.16257	05 03 52.3	+21 08 40		249
Geocentric position (AU)		+0.00646229	+0.00781915	+0.00315474	
C/2001 L11	2001 06 08.17090	05 03 54.4	+21 10 14		249
Geocentric position (AU)		+0.00646119	+0.00781950	+0.00315514	
C/2001 L11	2001 06 08.18756	05 03 54.4	+21 13 23		249
Geocentric position (AU)		+0.00645900	+0.00782018	+0.00315592	
C/2001 L11	2001 06 08.20423	05 03 55.6	+21 16 27		249
Geocentric position (AU)		+0.00645681	+0.00782087	+0.00315671	
C/2001 L11	2001 06 08.21256	05 03 55.9	+21 17 52		249
Geocentric position (AU)		+0.00645571	+0.00782122	+0.00315710	
C/2001 L11	2001 06 08.22923	05 03 57.8	+21 21 16		249
Geocentric position (AU)		+0.00645351	+0.00782191	+0.00315789	
C/2001 L11	2001 06 08.24590	05 03 58.5	+21 24 42		249
Geocentric position (AU)		+0.00645131	+0.00782260	+0.00315867	
C/2001 L11	2001 06 08.25423	05 04 00.0	+21 26 20		249
Geocentric position (AU)		+0.00645022	+0.00782294	+0.00315907	

C/2001 M10 (NEAT)

C/2001 M10	2002 07 26.42888	22 20 51.29	+14 12 06.3	19.4 T	644
C/2001 M10	2002 07 26.43935	22 20 51.07	+14 12 08.5	19.4 T	644
C/2001 M10	2002 07 26.44976	22 20 50.88	+14 12 10.0	19.0 T	644
C/2001 M10	2002 08 03.46002	22 17 59.19	+14 31 43.7	19.1 T	644
C/2001 M10	2002 08 03.47042	22 17 58.88	+14 31 44.0	19.2 T	644
C/2001 M10	2002 08 03.48085	22 17 58.66	+14 31 45.8	19.3 T	644
C/2001 M10	2002 08 07.68122	22 16 20.02	+14 39 28.9	18.7 T	360
C/2001 M10	2002 08 07.68727	22 16 19.82	+14 39 29.4		360
C/2001 M10	2002 08 14.36509	22 13 34.14	+14 48 14.0	18.8 T	644
C/2001 M10	2002 08 14.38833	22 13 33.55	+14 48 15.3	18.7 T	644
C/2001 M10	2002 08 14.40936	22 13 32.99	+14 48 16.3	18.9 T	644

C/2001 N2 (LINEAR)

C/2001 N2	2002 07 02.99587	17 24 31.20	+17 14 58.8		952
C/2001 N2	2002 07 03.00161	17 24 29.92	+17 14 52.4		952
C/2001 N2	2002 07 03.00476	17 24 29.28	+17 14 48.9		952
C/2001 N2	2002 07 03.00793	17 24 28.56	+17 14 45.1		952
C/2001 N2	2002 07 06.52488	17 12 03.44	+16 06 03.2		349
C/2001 N2	2002 07 06.54615	17 11 58.98	+16 05 37.1		349
C/2001 N2	2002 07 06.54742	17 11 58.70	+16 05 36.0		349
C/2001 N2	2002 07 06.54926	17 11 58.27	+16 05 33.0	14.0 T	349
C/2001 N2	2002 07 07.62326	17 08 16.75	+15 43 30.8		349
C/2001 N2	2002 07 07.62745	17 08 15.90	+15 43 25.5		349
C/2001 N2	2002 07 07.62921	17 08 15.53	+15 43 23.1		349
C/2001 N2	2002 07 07.63106	17 08 15.16	+15 43 21.0	14.3 T	349
C/2001 N2	2002 07 07.96879	17 07 06.36	+15 36 18.8		J91
C/2001 N2	2002 07 12.66376	16 51 43.19	+13 55 03.6		349
C/2001 N2	2002 07 12.66666	16 51 42.65	+13 54 59.5		349
C/2001 N2	2002 07 12.66905	16 51 42.13	+13 54 55.5		349
C/2001 N2	2002 07 12.67131	16 51 41.76	+13 54 53.2	14.6 T	349
C/2001 N2	2002 07 17.90603	16 36 01.08	+11 56 25.2	15.2 T	J91
C/2001 N2	2002 07 17.91382	16 35 59.69	+11 56 16.1	15.0 N	170
C/2001 N2	2002 07 17.91698	16 35 59.22	+11 56 11.8	15.0 N	170
C/2001 N2	2002 07 17.97272	16 35 49.66	+11 54 54.4		A46
C/2001 N2	2002 07 17.97383	16 35 49.37	+11 54 52.6		A46
C/2001 N2	2002 07 17.97497	16 35 49.32	+11 54 51.3		A46
C/2001 N2	2002 07 17.97610	16 35 49.00	+11 54 49.5		A46
C/2001 N2	2002 07 17.97947	16 35 48.51	+11 54 44.9		A46
C/2001 N2	2002 07 17.98060	16 35 48.25	+11 54 42.9		A46
C/2001 N2	2002 07 17.98172	16 35 48.14	+11 54 42.2		A46
C/2001 N2	2002 07 17.98399	16 35 47.71	+11 54 38.8		A46
C/2001 N2	2002 07 17.98512	16 35 47.52	+11 54 36.7		A46
C/2001 N2	2002 07 17.99731	16 35 45.41	+11 54 21.5	15.2 T	J91
C/2001 N2	2002 07 18.87207	16 33 18.45	+11 34 15.7	14.6 T	939
C/2001 N2	2002 07 18.87785	16 33 17.46	+11 34 07.9	14.7 T	939
C/2001 N2	2002 07 18.88367	16 33 16.47	+11 34 00.2	14.7 T	939
C/2001 N2	2002 07 19.89539	16 30 29.88	+11 10 42.7	15.0 N	213
C/2001 N2	2002 07 19.89757	16 30 29.60	+11 10 39.9	15.0 N	213
C/2001 N2	2002 07 19.91963	16 30 25.86	+11 10 09.0	15.3 T	939
C/2001 N2	2002 07 19.92544	16 30 24.89	+11 10 01.3	15.3 T	939
C/2001 N2	2002 07 19.93125	16 30 23.91	+11 09 53.6	15.3 T	939
C/2001 N2	2002 07 20.51293	16 28 50.09	+10 56 29.9	14.7 T	349
C/2001 N2	2002 07 20.51692	16 28 49.43	+10 56 24.3		349
C/2001 N2	2002 07 20.52080	16 28 48.81	+10 56 18.7		349
C/2001 N2	2002 07 20.52625	16 28 47.95	+10 56 11.6		349
C/2001 N2	2002 07 20.96176	16 27 38.39	+10 46 09.6	15.2 T	939
C/2001 N2	2002 07 20.96559	16 27 37.73	+10 46 04.1	15.4 T	939
C/2001 N2	2002 07 20.97552	16 27 36.05	+10 45 49.1	15.3 T	939
C/2001 N2	2002 07 21.04301	16 27 25.48	+10 44 15.2		A46
C/2001 N2	2002 07 21.04413	16 27 25.36	+10 44 14.7		A46
C/2001 N2	2002 07 21.04524	16 27 25.10	+10 44 13.7		A46
C/2001 N2	2002 07 21.04755	16 27 24.73	+10 44 10.1		A46
C/2001 N2	2002 07 21.51349	16 26 11.46	+10 33 26.8		340
C/2001 N2	2002 07 21.51488	16 26 11.28	+10 33 25.1		340
C/2001 N2	2002 07 21.51674	16 26 10.96	+10 33 22.5	14.3 T	340
C/2001 N2	2002 07 21.89264	16 25 12.29	+10 24 43.2	14.9 N	170
C/2001 N2	2002 07 21.89542	16 25 11.89	+10 24 39.1	14.9 N	170
C/2001 N2	2002 07 21.90106	16 25 11.04	+10 24 31.3	16.1 T	470
C/2001 N2	2002 07 21.90439	16 25 10.50	+10 24 26.7	14.4 T	470
C/2001 N2	2002 07 22.92470	16 22 34.16	+10 00 58.0	14.9 T	939
C/2001 N2	2002 07 22.93053	16 22 33.19	+10 00 49.8	15.0 T	939
C/2001 N2	2002 07 22.93634	16 22 32.26	+10 00 41.5	15.0 T	939
C/2001 N2	2002 07 22.95691	16 22 29.24	+10 00 12.7		A46
C/2001 N2	2002 07 22.95804	16 22 29.11	+10 00 10.3		A46
C/2001 N2	2002 07 22.95918	16 22 28.85	+10 00 09.4		A46
C/2001 N2	2002 07 22.96369	16 22 28.16	+10 00 03.3		A46
C/2001 N2	2002 07 22.96481	16 22 28.06	+10 00 01.7		A46

C/2001 N2	2002 07 22.96595	16 22 27.88	+10 00 00.0				A46
C/2001 N2	2002 07 22.96707	16 22 27.61	+09 59 58.9				A46
C/2001 N2	2002 07 22.96819	16 22 27.45	+09 59 58.4				A46
C/2001 N2	2002 07 23.86407	16 20 13.69	+09 39 22.7	14.9	N		235
C/2001 N2	2002 07 23.89748	16 20 08.64	+09 38 35.5			1	170
C/2001 N2	2002 07 23.90574	16 20 07.41	+09 38 25.1	14.8	N		170
C/2001 N2	2002 07 24.93417	16 17 37.56	+09 14 50.9	15.2	T		939
C/2001 N2	2002 07 24.93803	16 17 36.98	+09 14 45.3	15.2	T		939
C/2001 N2	2002 07 24.94580	16 17 35.83	+09 14 34.8	15.3	T		939
C/2001 N2	2002 07 25.88691	16 15 22.58	+08 53 04.9	15.3	N		213
C/2001 N2	2002 07 25.88846	16 15 22.20	+08 53 02.1	15.3	N		213
C/2001 N2	2002 07 25.91046	16 15 19.03	+08 52 32.7	15.4	T		939
C/2001 N2	2002 07 25.91817	16 15 17.91	+08 52 22.0	15.4	T		939
C/2001 N2	2002 07 25.92610	16 15 16.79	+08 52 10.7	15.4	T		939
C/2001 N2	2002 07 26.86775	16 13 06.64	+08 30 44.3				201
C/2001 N2	2002 07 26.87348	16 13 05.89	+08 30 36.6				201
C/2001 N2	2002 07 26.88016	16 13 04.98	+08 30 27.6				201
C/2001 N2	2002 07 26.92043	16 12 59.42	+08 29 33.0	15.1	T		939
C/2001 N2	2002 07 26.92546	16 12 58.82	+08 29 27.2	15.2	N	1	170
C/2001 N2	2002 07 26.92624	16 12 58.63	+08 29 25.0	15.1	T		939
C/2001 N2	2002 07 26.92906	16 12 58.27	+08 29 20.8	15.2	N		170
C/2001 N2	2002 07 26.93204	16 12 57.81	+08 29 17.0	15.1	T		939
C/2001 N2	2002 07 26.93751	16 12 57.08	+08 29 08.6	15.2	N		170
C/2001 N2	2002 07 26.94153	16 12 56.56	+08 29 04.1	14.7	T		159
C/2001 N2	2002 07 26.94432	16 12 56.15	+08 29 00.3	14.7	T		159
C/2001 N2	2002 07 26.94708	16 12 55.80	+08 28 56.3	14.6	T		159
C/2001 N2	2002 07 27.57449	16 11 30.95	+08 14 43.1	15.1	T		349
C/2001 N2	2002 07 27.58902	16 11 29.02	+08 14 23.6				349
C/2001 N2	2002 07 27.59177	16 11 28.63	+08 14 19.0				349
C/2001 N2	2002 07 27.59697	16 11 27.95	+08 14 11.9				349
C/2001 N2	2002 07 27.91894	16 10 44.99	+08 06 54.2	14.6	N		235
C/2001 N2	2002 07 27.93583	16 10 42.84	+08 06 33.5	15.2	N		445
C/2001 N2	2002 07 27.94089	16 10 42.30	+08 06 28.0	15.3	N		445
C/2001 N2	2002 07 27.94295	16 10 41.85	+08 06 22.1	15.1	T		613
C/2001 N2	2002 07 27.94886	16 10 41.08	+08 06 14.5	14.9	T		504
C/2001 N2	2002 07 27.94971	16 10 40.99	+08 06 13.0	15.2	T		613
C/2001 N2	2002 07 27.95054	16 10 40.85	+08 06 12.5	14.9	T		504
C/2001 N2	2002 07 27.95310	16 10 40.51	+08 06 08.4	14.8	T		504
C/2001 N2	2002 07 27.95369	16 10 40.45	+08 06 07.4	14.8	T		504
C/2001 N2	2002 07 27.95422	16 10 40.36	+08 06 07.4	15.1	T		613
C/2001 N2	2002 07 27.95506	16 10 40.29	+08 06 06.5	14.6	T		504
C/2001 N2	2002 07 27.95567	16 10 40.20	+08 06 05.7	14.7	T		504
C/2001 N2	2002 07 27.95874	16 10 39.79	+08 06 01.1	15.2	T		613
C/2001 N2	2002 07 27.95918	16 10 39.68	+08 06 00.5	14.9	T		504
C/2001 N2	2002 07 27.95979	16 10 39.62	+08 05 59.5	14.9	T		504
C/2001 N2	2002 07 27.96037	16 10 39.56	+08 05 58.6	14.8	T		504
C/2001 N2	2002 07 27.96094	16 10 39.42	+08 05 58.1	15.1	T		504
C/2001 N2	2002 07 27.97808	16 10 37.12	+08 05 34.1				A46
C/2001 N2	2002 07 27.97920	16 10 37.06	+08 05 32.7				A46
C/2001 N2	2002 07 27.98036	16 10 36.90	+08 05 32.1				A46
C/2001 N2	2002 07 27.98374	16 10 36.42	+08 05 25.9				A46
C/2001 N2	2002 07 27.98486	16 10 36.34	+08 05 25.5				A46
C/2001 N2	2002 07 27.98598	16 10 36.16	+08 05 24.2				A46
C/2001 N2	2002 07 28.92853	16 08 32.98	+07 44 09.7	15.8	T		J95
C/2001 N2	2002 07 28.93015	16 08 32.84	+07 44 07.1	15.9	T		J95
C/2001 N2	2002 07 28.93183	16 08 32.54	+07 44 05.2	15.8	T		J95
C/2001 N2	2002 07 28.93409	16 08 32.29	+07 44 02.3	15.8	T		J95
C/2001 N2	2002 07 29.92861	16 06 25.75	+07 21 45.3				A46
C/2001 N2	2002 07 29.92975	16 06 25.59	+07 21 43.2				A46
C/2001 N2	2002 07 29.93087	16 06 25.51	+07 21 42.8				A46
C/2001 N2	2002 07 29.93200	16 06 25.33	+07 21 41.4				A46
C/2001 N2	2002 07 29.93259	16 06 25.23	+07 21 40.1	15.1	T		613
C/2001 N2	2002 07 29.93312	16 06 25.18	+07 21 39.0				A46
C/2001 N2	2002 07 29.93425	16 06 25.00	+07 21 37.8				A46
C/2001 N2	2002 07 29.93538	16 06 24.90	+07 21 36.2				A46
C/2001 N2	2002 07 29.93709	16 06 24.67	+07 21 34.1	15.3	T		613
C/2001 N2	2002 07 29.93764	16 06 24.54	+07 21 33.2				A46
C/2001 N2	2002 07 29.93822	16 06 24.53	+07 21 32.6	15.3	T		613
C/2001 N2	2002 07 29.93876	16 06 24.48	+07 21 31.7				A46
C/2001 N2	2002 07 29.93991	16 06 24.28	+07 21 29.5				A46
C/2001 N2	2002 07 29.94384	16 06 23.85	+07 21 25.0	15.1	T		613
C/2001 N2	2002 08 01.90495	16 00 28.25	+06 15 56.3	15.7	T		442
C/2001 N2	2002 08 02.84968	15 58 41.13	+05 55 21.7	14.9	N		235
C/2001 N2	2002 08 03.10390	15 58 12.91	+05 49 49.8	15.4	T		762
C/2001 N2	2002 08 03.11523	15 58 11.64	+05 49 35.3	15.6	T		762
C/2001 N2	2002 08 03.12029	15 58 11.13	+05 49 28.6	15.5	T		762
C/2001 N2	2002 08 03.87958	15 56 48.06	+05 33 07.2				232
C/2001 N2	2002 08 03.88058	15 56 47.89	+05 33 03.6	15.1	N		170
C/2001 N2	2002 08 03.88126	15 56 47.75	+05 33 01.4				A46
C/2001 N2	2002 08 03.88352	15 56 47.55	+05 32 59.2				A46
C/2001 N2	2002 08 03.88465	15 56 47.37	+05 32 57.5				A46
C/2001 N2	2002 08 03.88578	15 56 47.27	+05 32 56.5				A46
C/2001 N2	2002 08 03.88650	15 56 47.09	+05 32 54.1				232
C/2001 N2	2002 08 03.88690	15 56 47.10	+05 32 55.3				A46
C/2001 N2	2002 08 03.88802	15 56 47.06	+05 32 53.3				A46
C/2001 N2	2002 08 03.88881	15 56 47.00	+05 32 51.5				232
C/2001 N2	2002 08 03.89027	15 56 46.79	+05 32 50.1				A46
C/2001 N2	2002 08 03.89138	15 56 46.71	+05 32 48.8				A46
C/2001 N2	2002 08 03.89250	15 56 46.46	+05 32 47.3				A46
C/2001 N2	2002 08 03.89282	15 56 46.48	+05 32 47.4	15.1	N		170
C/2001 N2	2002 08 03.93357	15 56 42.09	+05 31 55.0	16.0	T		442
C/2001 N2	2002 08 03.93705	15 56 41.85	+05 31 50.5	16.0	T		442
C/2001 N2	2002 08 05.51029	15 53 55.91	+04 58 13.3	15.1	T		360
C/2001 N2	2002 08 05.51271	15 53 55.66	+04 58 10.0				360
C/2001 N2	2002 08 05.87537	15 53 18.73	+04 50 28.4				A46
C/2001 N2	2002 08 05.87763	15 53 18.39	+04 50 24.9				A46
C/2001 N2	2002 08 05.87987	15 53 18.22	+04 50 23.2				A46
C/2001 N2	2002 08 05.88098	15 53 18.07	+04 50 21.5				A46
C/2001 N2	2002 08 05.88209	15 53 17.93	+04 50 19.5				A46
C/2001 N2	2002 08 05.88322	15 53 17.86	+04 50 18.5				A46
C/2001 N2	2002 08 05.88433	15 53 17.70	+04 50 16.6				A46
C/2001 N2	2002 08 05.88545	15 53 17.64	+04 50 15.4				A46
C/2001 N2	2002 08 05.89727	15 53 16.30	+04 49 59.7	15.8	T		939
C/2001 N2	2002 08 05.90306	15 53 15.73	+04 49 53.1	15.8	T		939
C/2001 N2	2002 08 05.90882	15 53 15.20	+04 49 46.1	15.7	T		939
C/2001 N2	2002 08 06.55120	15 52 10.72	+04 36 12.7				340

C/2001 N2	2002 08 06.55287	15 52 10.53	+04 36 11.0	15.1	T		340
C/2001 N2	2002 08 07.15771	15 51 10.96	+04 23 30.3				762
C/2001 N2	2002 08 07.16253	15 51 10.50	+04 23 24.1				762
C/2001 N2	2002 08 07.16802	15 51 09.93	+04 23 16.9				762
C/2001 N2	2002 08 07.86322	15 50 03.04	+04 08 48.4	15.3	N		170
C/2001 N2	2002 08 07.86556	15 50 02.78	+04 08 45.7	15.3	N		170
C/2001 N2	2002 08 07.86781	15 50 02.50	+04 08 43.0	15.3	N		170
C/2001 N2	2002 08 07.86804	15 50 02.51	+04 08 43.2	15.3	N		232
C/2001 N2	2002 08 07.87035	15 50 02.30	+04 08 40.9	15.3	N		232
C/2001 N2	2002 08 07.87265	15 50 02.10	+04 08 38.7	15.4	N		232
C/2001 N2	2002 08 07.87495	15 50 01.91	+04 08 35.7	15.4	N		232
C/2001 N2	2002 08 11.19794	15 45 02.32	+03 00 40.9	14.1	T		848
C/2001 N2	2002 08 11.20545	15 45 01.72	+03 00 32.2	13.9	T		848
C/2001 N2	2002 08 11.21242	15 45 01.16	+03 00 23.5	14.1	T		848
C/2001 N2	2002 08 11.85704	15 44 06.86	+02 47 29.2	15.2	N		213
C/2001 N2	2002 08 11.85803	15 44 06.75	+02 47 28.7	15.2	N		213
C/2001 N2	2002 08 11.85903	15 44 06.68	+02 47 28.0	15.2	N		213
C/2001 N2	2002 08 11.88396	15 44 04.52	+02 46 57.1	15.1	N		170
C/2001 N2	2002 08 11.91091	15 44 02.34	+02 46 25.3	15.1	N		232
C/2001 N2	2002 08 11.91322	15 44 02.17	+02 46 22.5	15.2	N		232
C/2001 N2	2002 08 11.91554	15 44 02.00	+02 46 19.2	15.2	N		232
C/2001 N2	2002 08 11.91785	15 44 01.74	+02 46 17.5	15.2	N		232
C/2001 N2	2002 08 11.92015	15 44 01.61	+02 46 14.6	15.2	N		232
C/2001 N2	2002 08 12.14935	15 43 42.70	+02 41 42.2	16.9	T		704
C/2001 N2	2002 08 12.16480	15 43 41.39	+02 41 23.1	16.9	T		704
C/2001 N2	2002 08 12.18026	15 43 40.12	+02 41 04.8	17.0	T		704
C/2001 N2	2002 08 12.19573	15 43 38.84	+02 40 45.9	16.9	T		704
C/2001 N2	2002 08 12.19955	15 43 38.55	+02 40 40.7	14.2	T		848
C/2001 N2	2002 08 12.20660	15 43 37.97	+02 40 32.0	14.2	T		848
C/2001 N2	2002 08 12.21122	15 43 37.54	+02 40 26.6	16.8	T		704
C/2001 N2	2002 08 12.21171	15 43 37.50	+02 40 26.8	14.2	T		848
C/2001 N2	2002 08 14.89685	15 40 06.86	+01 47 50.4	15.8	N		215
C/2001 N2	2002 08 14.89744	15 40 06.82	+01 47 49.8	15.8	N		215
C/2001 N2	2002 08 14.89797	15 40 06.78	+01 47 49.4	16.0	N		215

C/2001 Q4 (NEAT)

C/2001 Q4	2002 08 06.46247	03 02 51.65	−29 28 28.3	16.2	T		921
C/2001 Q4	2002 08 06.46859	03 02 51.60	−29 28 32.5	16.7	T		921
C/2001 Q4	2002 08 09.68588	03 03 10.93	−29 51 58.1	16.6	T		474
C/2001 Q4	2002 08 09.69119	03 03 10.96	−29 52 00.4	16.2	T	1	474
C/2001 Q4	2002 08 09.69617	03 03 10.99	−29 52 02.9	16.0	T		474
C/2001 Q4	2002 08 09.70209	03 03 11.02	−29 52 05.4	16.4	T		474
C/2001 Q4	2002 08 12.44764	03 03 22.81	−30 12 35.1	15.9	T		921
C/2001 Q4	2002 08 12.45858	03 03 22.88	−30 12 40.5	16.7	T		921
C/2001 Q4	2002 08 12.47163	03 03 23.30	−30 12 45.2	15.8	T		921

C/2001 Q8 (SOHO)

C/2001 Q8	2001 08 24.86812	10 08 18.3	+12 00 26	249
Geocentric position (AU)	−0.00975049	+0.00053787	+0.00050278	
C/2001 Q8	2001 08 24.89316	10 08 53.3	+11 58 14	249
Geocentric position (AU)	−0.00975218	+0.00053319	+0.00050000	
C/2001 Q8	2001 08 24.90979	10 09 15.0	+11 56 44	249
Geocentric position (AU)	−0.00975330	+0.00053008	+0.00049815	
C/2001 Q8	2001 08 24.92091	10 09 29.3	+11 56 00	249
Geocentric position (AU)	−0.00975405	+0.00052800	+0.00049692	
C/2001 Q8	2001 08 24.93555	10 09 48.6	+11 54 36	249
Geocentric position (AU)	−0.00975503	+0.00052527	+0.00049529	
C/2001 Q8	2001 08 24.96257	10 10 25.0	+11 52 14	249
Geocentric position (AU)	−0.00975685	+0.00052022	+0.00049229	
C/2001 Q8	2001 08 24.97645	10 10 43.7	+11 51 01	249
Geocentric position (AU)	−0.00975778	+0.00051763	+0.00049075	
C/2001 Q8	2001 08 24.99312	10 11 06.9	+11 49 14	249
Geocentric position (AU)	−0.00975889	+0.00051452	+0.00048890	
C/2001 Q8	2001 08 25.00423	10 11 21.7	+11 48 17	249
Geocentric position (AU)	−0.00975963	+0.00051245	+0.00048767	
C/2001 Q8	2001 08 25.01886	10 11 42.3	+11 46 55	249
Geocentric position (AU)	−0.00976061	+0.00050972	+0.00048605	
C/2001 Q8	2001 08 25.03478	10 12 07.5	+11 45 09	249
Geocentric position (AU)	−0.00976167	+0.00050675	+0.00048428	

C/2001 R7 (SOHO)

C/2001 R7	2001 09 12.70424	11 18 02.6	+05 55 46	249
Geocentric position (AU)	−0.01033521	−0.00226710	−0.00128810	
C/2001 R7	2001 09 12.71256	11 18 16.9	+05 56 00	249
Geocentric position (AU)	−0.01033527	−0.00226809	−0.00128877	
C/2001 R7	2001 09 12.72923	11 18 48.6	+05 57 38	249
Geocentric position (AU)	−0.01033540	−0.00227008	−0.00129011	
C/2001 R7	2001 09 12.74590	11 19 19.0	+05 58 46	249
Geocentric position (AU)	−0.01033552	−0.00227207	−0.00129145	
C/2001 R7	2001 09 12.75423	11 19 33.7	+05 59 53	249
Geocentric position (AU)	−0.01033558	−0.00227306	−0.00129212	
C/2001 R7	2001 09 12.77190	11 20 07.5	+06 01 05	249
Geocentric position (AU)	−0.01033572	−0.00227517	−0.00129354	
C/2001 R7	2001 09 12.78873	11 20 42.1	+06 02 06	249
Geocentric position (AU)	−0.01033584	−0.00227717	−0.00129489	

C/2001 R8 (SOHO)

C/2001 R8	2001 09 06.81377	10 55 49.5	+07 27 57	249
Geocentric position (AU)	−0.01025091	−0.00152383	−0.00079223	
C/2001 R8	2001 09 06.82923	10 56 07.7	+07 26 33	249
Geocentric position (AU)	−0.01025122	−0.00152590	−0.00079360	
C/2001 R8	2001 09 06.83756	10 56 17.4	+07 25 48	249
Geocentric position (AU)	−0.01025139	−0.00152702	−0.00079433	
C/2001 R8	2001 09 06.85520	10 56 38.7	+07 24 02	249
Geocentric position (AU)	−0.01025174	−0.00152938	−0.00079589	
C/2001 R8	2001 09 06.89593	10 57 27.7	+07 19 57	249
Geocentric position (AU)	−0.01025256	−0.00153482	−0.00079949	
C/2001 R8	2001 09 06.91256	10 57 47.6	+07 18 13	249
Geocentric position (AU)	−0.01025289	−0.00153705	−0.00080096	
C/2001 R8	2001 09 06.92090	10 57 58.0	+07 17 18	249
Geocentric position (AU)	−0.01025306	−0.00153816	−0.00080169	
C/2001 R8	2001 09 06.93854	10 58 19.8	+07 15 25	249
Geocentric position (AU)	−0.01025341	−0.00154051	−0.00080325	
C/2001 R8	2001 09 06.96257	10 58 49.4	+07 12 48	249
Geocentric position (AU)	−0.01025389	−0.00154372	−0.00080537	
C/2001 R8	2001 09 06.97924	10 59 10.2	+07 10 47	249
Geocentric position (AU)	−0.01025422	−0.00154595	−0.00080684	

C/2001 R8	2001 09 06.99590	10 59 30.9	+07 08 50		249
Geocentric position (AU)	−0.01025455	−0.00154818	−0.00080831		

C/2001 R9 (SOHO)

C/2001 R9	2001 09 07.50423	10 58 08.8	+07 13 17		249
Geocentric position (AU)	−0.01026437	−0.00161556	−0.00085290		
C/2001 R9	2001 09 07.52187	10 58 29.7	+07 11 47		249
Geocentric position (AU)	−0.01026471	−0.00161789	−0.00085444		
C/2001 R9	2001 09 07.53758	10 58 47.5	+07 10 23		249
Geocentric position (AU)	−0.01026500	−0.00161996	−0.00085581		
C/2001 R9	2001 09 07.56418	10 59 18.8	+07 07 55		249
Geocentric position (AU)	−0.01026550	−0.00162346	−0.00085813		
C/2001 R9	2001 09 07.57962	10 59 37.1	+07 06 26		249
Geocentric position (AU)	−0.01026579	−0.00162549	−0.00085948		

C/2001 RX$_{14}$ (LINEAR)

C/2001 RX$_{14}$	2002 07 20.73946	05 02 29.13	+42 46 10.8		349
C/2001 RX$_{14}$	2002 07 20.74111	05 02 29.31	+42 46 11.9		349
C/2001 RX$_{14}$	2002 07 20.74898	05 02 30.29	+42 46 15.5	14.5 T	349
C/2001 RX$_{14}$	2002 07 23.77034	05 09 11.51	+43 10 35.3		340
C/2001 RX$_{14}$	2002 07 23.77225	05 09 11.86	+43 10 36.8		340
C/2001 RX$_{14}$	2002 07 23.77360	05 09 12.00	+43 10 37.8		340
C/2001 RX$_{14}$	2002 07 23.77514	05 09 12.11	+43 10 38.2	14.0 T	340
C/2001 RX$_{14}$	2002 07 27.14027	05 16 47.51	+43 37 18.9	15.0 N	170
C/2001 RX$_{14}$	2002 07 27.14938	05 16 48.73	+43 37 24.3	15.0 N	170
C/2001 RX$_{14}$	2002 07 29.77191	05 22 49.87	+43 57 49.8		349
C/2001 RX$_{14}$	2002 07 29.77311	05 22 50.00	+43 57 51.9		349
C/2001 RX$_{14}$	2002 07 29.77465	05 22 50.24	+43 57 51.6		349
C/2001 RX$_{14}$	2002 07 29.77586	05 22 50.40	+43 57 52.4	14.4 T	349
C/2001 RX$_{14}$	2002 08 02.71300	05 32 02.75	+44 27 57.2		349
C/2001 RX$_{14}$	2002 08 02.71508	05 32 03.09	+44 27 58.0		349
C/2001 RX$_{14}$	2002 08 05.71587	05 39 12.53	+44 50 19.6		349
C/2001 RX$_{14}$	2002 08 05.71781	05 39 12.82	+44 50 22.4		349
C/2001 RX$_{14}$	2002 08 06.11756	05 40 10.53	+44 53 18.1	14.7 T	939
C/2001 RX$_{14}$	2002 08 06.12336	05 40 11.39	+44 53 20.9	14.7 T	939
C/2001 RX$_{14}$	2002 08 06.13286	05 40 12.78	+44 53 25.2	14.7 T	939
C/2001 RX$_{14}$	2002 08 06.68603	05 41 32.77	+44 57 28.6		340
C/2001 RX$_{14}$	2002 08 06.68763	05 41 32.99	+44 57 29.0		340
C/2001 RX$_{14}$	2002 08 06.68976	05 41 33.52	+44 57 29.9		340
C/2001 RX$_{14}$	2002 08 06.69198	05 41 33.79	+44 57 31.0	14.0 T	340
C/2001 RX$_{14}$	2002 08 07.70133	05 44 00.69	+45 04 52.1		349
C/2001 RX$_{14}$	2002 08 07.70300	05 44 00.95	+45 04 52.8		349
C/2001 RX$_{14}$	2002 08 07.71034	05 44 02.08	+45 04 56.5		349
C/2001 RX$_{14}$	2002 08 07.71185	05 44 02.27	+45 04 56.3	14.5 T	349
C/2001 RX$_{14}$	2002 08 08.69602	05 46 26.20	+45 12 04.0		349
C/2001 RX$_{14}$	2002 08 08.69782	05 46 26.46	+45 12 04.2		349
C/2001 RX$_{14}$	2002 08 08.69925	05 46 26.71	+45 12 04.8		349
C/2001 RX$_{14}$	2002 08 08.70087	05 46 26.91	+45 12 06.2	14.1 T	349
C/2001 RX$_{14}$	2002 08 09.74365	05 49 00.37	+45 19 34.8		349
C/2001 RX$_{14}$	2002 08 09.74714	05 49 00.86	+45 19 36.2		349
C/2001 RX$_{14}$	2002 08 09.74861	05 49 01.10	+45 19 37.5		349
C/2001 RX$_{14}$	2002 08 09.75016	05 49 01.35	+45 19 37.8	14.0 T	349
C/2001 RX$_{14}$	2002 08 10.71767	05 51 24.46	+45 26 29.7		349
C/2001 RX$_{14}$	2002 08 10.71939	05 51 24.78	+45 26 30.3		349
C/2001 RX$_{14}$	2002 08 10.72098	05 51 24.97	+45 26 31.1		349
C/2001 RX$_{14}$	2002 08 10.72343	05 51 25.33	+45 26 32.1	13.9 T	349
C/2001 RX$_{14}$	2002 08 11.10374	05 52 21.70	+45 29 12.6	14.6 N	213
C/2001 RX$_{14}$	2002 08 11.11065	05 52 22.76	+45 29 15.4	14.6 N	170
C/2001 RX$_{14}$	2002 08 11.12918	05 52 25.45	+45 29 23.6	14.6 N	213
C/2001 RX$_{14}$	2002 08 14.08489	05 59 48.60	+45 49 57.1	14.8 N	235
C/2001 RX$_{14}$	2002 08 15.04491	06 02 13.84	+45 56 27.9	15.0 N	215
C/2001 RX$_{14}$	2002 08 15.04561	06 02 13.93	+45 56 28.2	15.1 N	215
C/2001 RX$_{14}$	2002 08 15.04616	06 02 14.03	+45 56 28.5	15.3 N	215
C/2001 RX$_{14}$	2002 08 15.07232	06 02 17.98	+45 56 39.5	14.8 N	204
C/2001 RX$_{14}$	2002 08 15.07569	06 02 18.48	+45 56 40.8	14.9 N	204
C/2001 RX$_{14}$	2002 08 15.08207	06 02 19.45	+45 56 43.7	15.0 N	204

C/2001 V6 (SOHO)

C/2001 V6	2001 11 02.32923	14 26 00.0	−13 22 10		249
Geocentric position (AU)	−0.00934740	−0.00501857	−0.00311184		
C/2001 V6	2001 11 02.33756	14 26 08.4	−13 20 36		249
Geocentric position (AU)	−0.00934719	−0.00501885	−0.00311187		
C/2001 V6	2001 11 02.35423	14 26 23.4	−13 16 30		249
Geocentric position (AU)	−0.00934678	−0.00501941	−0.00311195		
C/2001 V6	2001 11 02.37090	14 26 38.6	−13 12 06		249
Geocentric position (AU)	−0.00934636	−0.00501996	−0.00311202		
C/2001 V6	2001 11 02.37923	14 26 47.8	−13 10 36		249
Geocentric position (AU)	−0.00934616	−0.00502024	−0.00311205		
C/2001 V6	2001 11 02.39590	14 27 03.4	−13 06 49		249
Geocentric position (AU)	−0.00934574	−0.00502080	−0.00311212		
C/2001 V6	2001 11 02.41256	14 27 20.5	−13 03 24		249
Geocentric position (AU)	−0.00934533	−0.00502135	−0.00311219		
C/2001 V6	2001 11 02.42090	14 27 28.3	−13 01 37		249
Geocentric position (AU)	−0.00934512	−0.00502163	−0.00311223		

C/2001 X10 (SOHO)

C/2001 X10	2001 12 15.44034	17 32 52.6	−22 04 28		249
Geocentric position (AU)	−0.00515586	−0.00768926	−0.00322436		
C/2001 X10	2001 12 15.45579	17 32 48.1	−22 00 05		249
Geocentric position (AU)	−0.00515267	−0.00769021	−0.00322429		
C/2001 X10	2001 12 15.46300	17 32 45.2	−21 57 56		249
Geocentric position (AU)	−0.00515118	−0.00769065	−0.00322426		
C/2001 X10	2001 12 15.47923	17 32 40.6	−21 53 17		249
Geocentric position (AU)	−0.00514783	−0.00769164	−0.00322420		
C/2001 X10	2001 12 15.49590	17 32 35.4	−21 48 24		249
Geocentric position (AU)	−0.00514439	−0.00769266	−0.00322413		
C/2001 X10	2001 12 15.50424	17 32 33.7	−21 46 25		249
Geocentric position (AU)	−0.00514267	−0.00769317	−0.00322410		
C/2001 X10	2001 12 15.52090	17 32 28.6	−21 41 39		249
Geocentric position (AU)	−0.00513923	−0.00769419	−0.00322403		
C/2001 X10	2001 12 15.53756	17 32 23.4	−21 37 33		249
Geocentric position (AU)	−0.00513578	−0.00769520	−0.00322396		
C/2001 X10	2001 12 15.56375	17 32 17.5	−21 31 31		249
Geocentric position (AU)	−0.00513037	−0.00769680	−0.00322385		

P/2002 BV (Yeung)

P/2002 BV	2002 08 05.48106	15 52 28.35	−31 02 43.3	18.7 N	360
P/2002 BV	2002 08 05.48515	15 52 28.54	−31 02 43.8		360

C/2002 E2 (Snyder-Murakami)

C/2002 E2	2002 06 18.94821	15 04 39.89	+81 32 09.3	16.4	T	561
C/2002 E2	2002 06 18.95359	15 04 36.93	+81 32 07.6	16.3	T	561
C/2002 E2	2002 06 18.95775	15 04 34.74	+81 32 07.7	16.6	T	561
C/2002 E2	2002 06 18.96198	15 04 32.39	+81 32 06.0	16.3	T	561
C/2002 E2	2002 07 11.97039	13 13 14.40	+78 02 34.0	16.2	N	620
C/2002 E2	2002 07 11.97190	13 13 14.18	+78 02 33.2	15.2	T	620
C/2002 E2	2002 07 11.98113	13 13 13.31	+78 02 26.4			620
C/2002 E2	2002 07 11.98333	13 13 12.85	+78 02 24.9			620
C/2002 E2	2002 07 17.90363	13 05 58.07	+77 00 31.2			A46
C/2002 E2	2002 07 17.90953	13 05 57.55	+77 00 26.1			A46
C/2002 E2	2002 07 17.91247	13 05 57.07	+77 00 26.0			A46
C/2002 E2	2002 07 17.91689	13 05 56.75	+77 00 20.8			A46
C/2002 E2	2002 07 19.98448	13 04 30.84	+76 39 39.0	17.1	N	613
C/2002 E2	2002 07 19.99010	13 04 30.53	+76 39 34.9			613
C/2002 E2	2002 07 19.99222	13 04 30.41	+76 39 33.3			613
C/2002 E2	2002 07 19.99784	13 04 30.31	+76 39 31.4			613
C/2002 E2	2002 07 21.48868	13 03 45.71	+76 24 57.2			340
C/2002 E2	2002 07 21.49623	13 03 45.49	+76 24 54.1	15.5	T	340
C/2002 E2	2002 07 22.88515	13 03 16.13	+76 11 33.3	16.4	T	470
C/2002 E2	2002 07 22.89041	13 03 15.88	+76 11 29.8	16.2	T	470
C/2002 E2	2002 07 22.99323	13 03 14.36	+76 10 30.5			A46
C/2002 E2	2002 07 22.99471	13 03 14.36	+76 10 29.9			A46
C/2002 E2	2002 07 22.99767	13 03 14.44	+76 10 27.3			A46
C/2002 E2	2002 07 22.99916	13 03 14.25	+76 10 27.6			A46
C/2002 E2	2002 07 23.00063	13 03 14.24	+76 10 26.2			A46
C/2002 E2	2002 07 23.00209	13 03 15.09	+76 10 25.6			A46
C/2002 E2	2002 07 23.00355	13 03 14.57	+76 10 24.4			A46
C/2002 E2	2002 07 27.86866	13 02 55.18	+75 26 07.3	16.3	T	442
C/2002 E2	2002 07 27.99421	13 02 56.34	+75 25 00.7	16.3	N	613
C/2002 E2	2002 07 28.00434	13 02 56.28	+75 24 55.5	16.5	N	613
C/2002 E2	2002 07 28.01560	13 02 56.58	+75 24 49.7	16.3	N	613
C/2002 E2	2002 07 28.02685	13 02 56.74	+75 24 44.2	16.5	N	613
C/2002 E2	2002 07 29.96706	13 03 20.96	+75 08 07.4			A46
C/2002 E2	2002 07 29.97071	13 03 21.14	+75 08 04.7			A46
C/2002 E2	2002 07 29.97253	13 03 21.05	+75 08 04.4			A46
C/2002 E2	2002 07 29.98528	13 03 21.28	+75 07 58.5			A46
C/2002 E2	2002 08 01.86607	13 04 25.21	+74 44 25.0	16.3	T	442
C/2002 E2	2002 08 02.90113	13 04 55.63	+74 36 13.3	16.5	N	235
C/2002 E2	2002 08 03.96746	13 05 31.02	+74 28 00.9	16.3	T	442
C/2002 E2	2002 08 04.91247	13 06 05.60	+74 20 52.4	16.4	T	442
C/2002 E2	2002 08 04.91698	13 06 05.99	+74 20 51.6	16.4	T	442
C/2002 E2	2002 08 05.60538	13 06 32.68	+74 15 45.5			340
C/2002 E2	2002 08 05.61130	13 06 32.74	+74 15 42.6	16.2	T	340
C/2002 E2	2002 08 05.93600	13 06 46.14	+74 13 20.1			A46
C/2002 E2	2002 08 05.93782	13 06 46.09	+74 13 18.8			A46
C/2002 E2	2002 08 05.93964	13 06 45.99	+74 13 19.3			A46
C/2002 E2	2002 08 05.94147	13 06 45.98	+74 13 17.6			A46
C/2002 E2	2002 08 05.94329	13 06 46.31	+74 13 16.7			A46
C/2002 E2	2002 08 05.94510	13 06 46.48	+74 13 15.0			A46
C/2002 E2	2002 08 05.94692	13 06 46.38	+74 13 14.5			A46
C/2002 E2	2002 08 06.93979	13 07 29.03	+74 06 05.8	16.8	T	613
C/2002 E2	2002 08 06.94428	13 07 29.24	+74 06 03.4	17.2	T	613
C/2002 E2	2002 08 06.95550	13 07 29.71	+74 05 58.6	16.9	T	613
C/2002 E2	2002 08 08.84511	13 08 58.77	+73 52 47.1	16.4	T	442
C/2002 E2	2002 08 08.85370	13 08 58.91	+73 52 44.1	16.4	T	442
C/2002 E2	2002 08 11.19649	13 11 03.66	+73 37 12.6	16.5	T	848
C/2002 E2	2002 08 11.22425	13 11 05.34	+73 37 01.4	16.3	T	848
C/2002 E2	2002 08 11.24392	13 11 06.43	+73 36 54.3	16.6	T	848
C/2002 E2	2002 08 12.21955	13 12 02.31	+73 30 43.7	16.7	T	848
C/2002 E2	2002 08 12.24361	13 12 03.71	+73 30 33.7	16.6	T	848

C/2002 H2 (LINEAR)

C/2002 H2	2002 07 20.01253	12 40 51.21	+59 48 02.0	17.7	N	613
C/2002 H2	2002 07 20.02194	12 40 51.02	+59 47 53.6			613
C/2002 H2	2002 07 28.92130	12 36 21.23	+57 53 58.4	18.0	T	J95
C/2002 H2	2002 07 28.92326	12 36 21.22	+57 53 56.9			J95
C/2002 H2	2002 07 28.92477	12 36 21.05	+57 53 55.9	18.3	T	J95

C/2002 H7 (SOHO)

C/2002 H7	2002 04 23.91057	02 11 59.3	+11 40 29		249
Geocentric position (AU)	+0.00990890	+0.00508757	+0.00124339		
C/2002 H7	2002 04 23.92090	02 11 51.7	+11 41 46		249
Geocentric position (AU)	+0.00990868	+0.00508783	+0.00124358		
C/2002 H7	2002 04 23.97722	02 11 08.7	+11 48 56		249
Geocentric position (AU)	+0.00990749	+0.00508929	+0.00124461		
C/2002 H7	2002 04 23.99388	02 10 55.9	+11 51 02		249
Geocentric position (AU)	+0.00990713	+0.00508972	+0.00124491		
C/2002 H7	2002 04 24.00423	02 10 48.1	+11 52 23		249
Geocentric position (AU)	+0.00990691	+0.00508998	+0.00124510		
C/2002 H7	2002 04 24.03479	02 10 23.4	+11 56 22		249
Geocentric position (AU)	+0.00990626	+0.00509077	+0.00124566		
C/2002 H7	2002 04 24.06062	02 10 03.2	+11 59 50		249
Geocentric position (AU)	+0.00990572	+0.00509144	+0.00124613		
C/2002 H7	2002 04 24.07645	02 09 49.0	+12 02 10		249
Geocentric position (AU)	+0.00990538	+0.00509185	+0.00124642		
C/2002 H7	2002 04 24.08758	02 09 40.0	+12 03 39		249
Geocentric position (AU)	+0.00990514	+0.00509213	+0.00124662		
C/2002 H7	2002 04 24.10145	02 09 27.8	+12 05 47		249
Geocentric position (AU)	+0.00990485	+0.00509249	+0.00124688		

C/2002 H8 (SOHO)

C/2002 H8	2002 04 20.81062	01 58 32.3	+12 53 48		249
Geocentric position (AU)	+0.00997815	+0.00500522	+0.00118947		
C/2002 H8	2002 04 20.82646	01 58 22.7	+12 57 59		249
Geocentric position (AU)	+0.00997778	+0.00500566	+0.00118974		
C/2002 H8	2002 04 20.83758	01 58 15.5	+13 01 15		249
Geocentric position (AU)	+0.00997753	+0.00500597	+0.00118993		
C/2002 H8	2002 04 20.85147	01 58 06.4	+13 05 03		249
Geocentric position (AU)	+0.00997721	+0.00500636	+0.00119016		
C/2002 H8	2002 04 20.86813	01 57 56.1	+13 09 35		249
Geocentric position (AU)	+0.00997682	+0.00500683	+0.00119044		
C/2002 H8	2002 04 20.89316	01 57 38.1	+13 15 51		249
Geocentric position (AU)	+0.00997625	+0.00500752	+0.00119086		
C/2002 H8	2002 04 20.90979	01 57 28.1	+13 20 21		249
Geocentric position (AU)	+0.00997586	+0.00500799	+0.00119114		

C/2002 H8	2002 04 20.92091	01 57 17.5	+13 22 25				249
Geocentric position (AU)		+0.00997561	+0.00500830	+0.00119133			
C/2002 H8	2002 04 20.93479	01 57 07.4	+13 25 30				249
Geocentric position (AU)		+0.00997529	+0.00500868	+0.00119156			

C/2002 J4 (NEAT)

C/2002 J4	2002 06 05.24820	15 36 08.83	−00 32 02.6	17.4	T		699
C/2002 J4	2002 06 05.25937	15 36 08.48	−00 32 05.4				699
C/2002 J4	2002 06 05.27057	15 36 08.07	−00 32 07.5				699
C/2002 J4	2002 06 05.28179	15 36 07.69	−00 32 09.1				699
C/2002 J4	2002 07 31.49472	15 17 25.54	−05 35 59.7	17.4	T		360
C/2002 J4	2002 07 31.50080	15 17 25.51	−05 36 02.5				360

C/2002 J5 (LINEAR)

C/2002 J5	2002 06 18.93235	19 54 49.78	+12 25 19.8	15.7	T		561
C/2002 J5	2002 06 18.93727	19 54 49.76	+12 25 19.7	15.7	T		561
C/2002 J5	2002 06 18.94144	19 54 49.80	+12 25 19.6	15.7	T		561
C/2002 J5	2002 07 18.87179	19 27 45.70	+14 22 52.0	18.2	T		170
C/2002 J5	2002 07 18.88207	19 27 45.05	+14 22 53.8	18.2	T		170
C/2002 J5	2002 07 18.89347	19 27 44.27	+14 22 54.6	18.2	T	1	170
C/2002 J5	2002 08 01.05394	19 15 17.00	+14 43 54.9	19.5	T		859
C/2002 J5	2002 08 01.06020	19 15 17.00	+14 43 57.5	18.3	T		859
C/2002 J5	2002 08 08.95767	19 08 08.25	+14 47 29.4	18.3	T		442
C/2002 J5	2002 08 10.94012	19 06 25.35	+14 47 34.0	18.3	T		170
C/2002 J5	2002 08 10.94688	19 06 25.03	+14 47 33.4	18.3	T		170

P/2002 JN$_{16}$ (LINEAR)

P/2002 JN$_{16}$	2002 07 23.85005	15 46 10.92	−08 18 42.1				170
P/2002 JN$_{16}$	2002 07 23.85509	15 46 11.21	−08 18 41.8				170
P/2002 JN$_{16}$	2002 07 26.89212	15 50 03.21	−08 22 22.7	17.2	T		170
P/2002 JN$_{16}$	2002 07 26.89676	15 50 03.48	−08 22 22.9	17.2	T		170
P/2002 JN$_{16}$	2002 07 26.90118	15 50 03.88	−08 22 23.2	17.2	T		170
P/2002 JN$_{16}$	2002 07 26.91007	15 50 04.45	−08 22 23.1	17.2	T		170
P/2002 JN$_{16}$	2002 08 03.85277	16 01 14.90	−08 38 35.9	17.3	T		170
P/2002 JN$_{16}$	2002 08 03.85769	16 01 15.41	−08 38 34.3	17.3	T		170
P/2002 JN$_{16}$	2002 08 05.49104	16 03 43.76	−08 42 55.9	17.5	T		360
P/2002 JN$_{16}$	2002 08 05.49359	16 03 43.97	−08 42 56.4				360
P/2002 JN$_{16}$	2002 08 08.87810	16 09 02.65	−08 52 49.9	17.8	T		170
P/2002 JN$_{16}$	2002 08 08.88213	16 09 02.79	−08 52 51.2	17.8	T		170
P/2002 JN$_{16}$	2002 08 08.88520	16 09 03.22	−08 52 51.6	17.8	T		170
P/2002 JN$_{16}$	2002 08 11.19913	16 12 49.14	−09 00 14.9	18.9	T		848
P/2002 JN$_{16}$	2002 08 11.20662	16 12 50.05	−09 00 15.2	17.8	T		848
P/2002 JN$_{16}$	2002 08 11.21543	16 12 50.95	−09 00 17.6	17.8	T		848

C/2002 K1 (NEAT)

C/2002 K1	2002 06 18.91134	19 07 50.76	−15 14 33.6				561
C/2002 K1	2002 06 18.91829	19 07 50.54	−15 14 31.2	16.9	T		561
C/2002 K1	2002 06 18.92274	19 07 50.06	−15 14 26.0	17.6	T		561
C/2002 K1	2002 07 17.93509	18 15 16.56	−06 23 03.1	18.3	T	1	170
C/2002 K1	2002 08 05.57119	17 49 40.64	−01 53 59.2	18.7	T		360
C/2002 K1	2002 08 05.57718	17 49 40.15	−01 53 55.3				360
C/2002 K1	2002 08 11.22258	17 43 56.74	−00 48 40.7	17.7	T		848
C/2002 K1	2002 08 11.23044	17 43 56.25	−00 48 36.8	18.3	T		848
C/2002 K1	2002 08 11.23856	17 43 55.79	−00 48 30.9	18.9	T		848
C/2002 K1	2002 08 11.25125	17 43 55.06	−00 48 22.8	17.9	T		848
C/2002 K1	2002 08 12.15889	17 43 05.57	−00 38 32.9	19.1	T		704
C/2002 K1	2002 08 12.17435	17 43 04.66	−00 38 23.4	19.4	T		704
C/2002 K1	2002 08 12.18981	17 43 03.75	−00 38 13.4	19.2	T		704
C/2002 K1	2002 08 12.20528	17 43 02.93	−00 38 04.2	19.8	T		704
C/2002 K1	2002 08 12.22082	17 43 02.05	−00 37 53.3	19.2	T		704

C/2002 K2 (LINEAR)

C/2002 K2	2002 06 18.89369	17 25 05.89	+16 16 14.2	18.0	T		561
C/2002 K2	2002 06 18.90046	17 25 05.35	+16 16 16.2	18.2	T		561
C/2002 K2	2002 06 18.90486	17 25 04.95	+16 16 16.9	17.8	T		561
C/2002 K2	2002 08 05.51840	16 35 15.40	+17 13 08.4	18.8	T		360
C/2002 K2	2002 08 05.52397	16 35 15.17	+17 13 07.4				360
C/2002 K2	2002 08 05.52829	16 35 15.00	+17 13 07.5				360

C/2002 K4 (NEAT)

C/2002 K4	2002 07 06.66368	20 47 57.67	+16 07 57.0				349
C/2002 K4	2002 07 06.67053	20 47 56.69	+16 08 07.2				349
C/2002 K4	2002 07 06.67654	20 47 55.88	+16 08 15.1	16.5	T		349
C/2002 K4	2002 07 07.14966	20 46 50.46	+16 19 45.8	17.4	T		859
C/2002 K4	2002 07 07.15822	20 46 49.21	+16 19 56.9	17.0	T		859
C/2002 K4	2002 07 10.03579	20 40 00.60	+17 28 19.6	16.7	T		159
C/2002 K4	2002 07 10.03741	20 40 00.41	+17 28 21.8	16.7	T		159
C/2002 K4	2002 07 10.03922	20 40 00.13	+17 28 24.6	16.5	T		159
C/2002 K4	2002 07 10.04302	20 39 59.53	+17 28 30.0	16.4	T		159
C/2002 K4	2002 07 10.04482	20 39 59.30	+17 28 32.5	16.5	T		159
C/2002 K4	2002 07 10.04703	20 39 58.94	+17 28 35.3	16.2	T		159
C/2002 K4	2002 07 11.71236	20 35 54.94	+18 07 04.1				349
C/2002 K4	2002 07 11.71706	20 35 54.17	+18 07 11.3				349
C/2002 K4	2002 07 11.71921	20 35 53.93	+18 07 15.0				349
C/2002 K4	2002 07 11.72126	20 35 53.52	+18 07 16.8	16.3	T		349
C/2002 K4	2002 07 12.07841	20 35 00.60	+18 15 25.4	17.2	N		620
C/2002 K4	2002 07 12.08222	20 35 00.03	+18 15 30.9	16.8	T		620
C/2002 K4	2002 07 12.08568	20 34 59.51	+18 15 35.6				620
C/2002 K4	2002 07 18.05186	20 19 44.30	+20 24 21.4	17.0	T		620
C/2002 K4	2002 07 18.05671	20 19 43.55	+20 24 27.1				620
C/2002 K4	2002 07 18.06081	20 19 42.88	+20 24 32.7				620
C/2002 K4	2002 07 19.93390	20 14 46.40	+21 01 51.1	17.7	T		151
C/2002 K4	2002 07 19.93520	20 14 46.21	+21 01 51.8	17.1	T		151
C/2002 K4	2002 07 19.93722	20 14 45.88	+21 01 54.5	17.8	T		151
C/2002 K4	2002 07 19.93852	20 14 45.68	+21 01 56.1	17.7	T		151
C/2002 K4	2002 07 20.64910	20 12 52.27	+21 15 39.1	16.5	T		349
C/2002 K4	2002 07 20.65287	20 12 51.70	+21 15 42.6				349
C/2002 K4	2002 07 21.89103	20 09 33.44	+21 39 00.5				636
C/2002 K4	2002 07 21.89324	20 09 33.06	+21 39 02.4	16.7	N		636
C/2002 K4	2002 07 21.89543	20 09 32.84	+21 39 03.9				636
C/2002 K4	2002 07 21.96116	20 09 22.10	+21 40 19.2	17.4	T		470
C/2002 K4	2002 07 21.96814	20 09 21.00	+21 40 27.5	17.7	T		470
C/2002 K4	2002 07 23.91491	20 04 07.56	+22 15 25.4	17.3	T		170
C/2002 K4	2002 07 23.92019	20 04 06.89	+22 15 26.6	17.3	T		170
C/2002 K4	2002 07 25.97743	19 58 34.07	+22 50 22.6	17.4	T		J95
C/2002 K4	2002 07 25.97917	19 58 33.81	+22 50 24.9	17.3	T		J95
C/2002 K4	2002 07 25.98345	19 58 33.04	+22 50 28.4	17.5	T		J95
C/2002 K4	2002 07 27.02015	19 55 45.36	+23 07 10.4	17.3	T		213
C/2002 K4	2002 07 27.02171	19 55 45.25	+23 07 09.8	17.3	T		213

C/2002 K4	2002 07 27.03187	19 55 43.52	+23 07 24.0	17.3 T	213
C/2002 K4	2002 07 27.97132	19 53 11.72	+23 21 57.8		504
C/2002 K4	2002 07 27.97226	19 53 11.52	+23 21 57.8		504
C/2002 K4	2002 07 27.97318	19 53 11.38	+23 21 58.6		504
C/2002 K4	2002 07 27.97410	19 53 11.29	+23 21 59.8		504
C/2002 K4	2002 07 27.97503	19 53 11.12	+23 22 01.1		504
C/2002 K4	2002 07 27.98130	19 53 10.09	+23 22 08.7		504
C/2002 K4	2002 07 27.98223	19 53 09.96	+23 22 10.9		504
C/2002 K4	2002 07 27.98405	19 53 09.81	+23 22 11.8		504
C/2002 K4	2002 08 01.23818	19 41 47.07	+24 22 07.5	18.1 T	704
C/2002 K4	2002 08 01.25325	19 41 44.72	+24 22 18.6	18.0 T	704
C/2002 K4	2002 08 01.26833	19 41 42.35	+24 22 30.1	18.5 T	704
C/2002 K4	2002 08 03.98895	19 34 33.58	+24 55 30.7	17.2 T	442
C/2002 K4	2002 08 05.55781	19 30 30.02	+25 12 39.6	16.5 T	360
C/2002 K4	2002 08 05.56056	19 30 29.62	+25 12 41.4		360
C/2002 K4	2002 08 07.61330	19 25 16.50	+25 33 06.2	16.7 T	360
C/2002 K4	2002 08 07.61545	19 25 16.22	+25 33 07.7		360
C/2002 K4	2002 08 07.88060	19 24 36.39	+25 35 34.6	17.4 T	170
C/2002 K4	2002 08 07.88612	19 24 35.67	+25 35 38.7	17.4 T	170
C/2002 K4	2002 08 08.94300	19 21 57.27	+25 45 05.0	17.1 T	442
C/2002 K4	2002 08 11.56434	19 15 34.90	+26 06 09.7	17.1 T	355
C/2002 K4	2002 08 11.57928	19 15 32.73	+26 06 16.9		355
C/2002 K4	2002 08 13.24749	19 11 36.87	+26 17 53.4		642
C/2002 K4	2002 08 13.25220	19 11 35.89	+26 17 54.2		642
C/2002 K4	2002 08 13.25625	19 11 35.27	+26 17 54.9		642

C/2002 K8 (SOHO)

C/2002 K8	2002 05 25.64312	04 11 12.3	+19 26 47	249
Geocentric position (AU)	+0.00818682	+0.00650311	+0.00246854	
C/2002 K8	2002 05 25.65979	04 11 07.9	+19 29 39	249
Geocentric position (AU)	+0.00818510	+0.00650403	+0.00246941	
C/2002 K8	2002 05 25.67090	04 11 04.6	+19 31 35	249
Geocentric position (AU)	+0.00818396	+0.00650465	+0.00246999	
C/2002 K8	2002 05 25.68479	04 11 00.9	+19 34 10	249
Geocentric position (AU)	+0.00818253	+0.00650542	+0.00247071	
C/2002 K8	2002 05 25.70145	04 10 56.4	+19 37 19	249
Geocentric position (AU)	+0.00818081	+0.00650634	+0.00247158	
C/2002 K8	2002 05 25.71256	04 10 53.6	+19 39 22	249
Geocentric position (AU)	+0.00817967	+0.00650696	+0.00247216	
C/2002 K8	2002 05 25.72645	04 10 49.0	+19 41 47	249
Geocentric position (AU)	+0.00817823	+0.00650773	+0.00247288	
C/2002 K8	2002 05 25.74312	04 10 44.9	+19 45 16	249
Geocentric position (AU)	+0.00817651	+0.00650865	+0.00247375	

C/2002 K9 (SOHO)

C/2002 K9	2002 05 25.97645	04 12 05.9	+19 29 35	249
Geocentric position (AU)	+0.00815234	+0.00652166	+0.00248594	
C/2002 K9	2002 05 25.99312	04 12 02.0	+19 32 18	249
Geocentric position (AU)	+0.00815060	+0.00652260	+0.00248682	
C/2002 K9	2002 05 26.00425	04 11 59.9	+19 34 16	249
Geocentric position (AU)	+0.00814945	+0.00652322	+0.00248740	
C/2002 K9	2002 05 26.01812	04 11 57.4	+19 36 45	249
Geocentric position (AU)	+0.00814800	+0.00652400	+0.00248813	
C/2002 K9	2002 05 26.03478	04 11 52.9	+19 39 29	249
Geocentric position (AU)	+0.00814627	+0.00652493	+0.00248900	
C/2002 K9	2002 05 26.06060	04 11 47.4	+19 43 57	249
Geocentric position (AU)	+0.00814357	+0.00652638	+0.00249035	
C/2002 K9	2002 05 26.07647	04 11 42.0	+19 47 04	249
Geocentric position (AU)	+0.00814192	+0.00652727	+0.00249119	
C/2002 K9	2002 05 26.08756	04 11 40.5	+19 48 50	249
Geocentric position (AU)	+0.00814076	+0.00652789	+0.00249177	

C/2002 K10 (SOHO)

C/2002 K10	2002 05 30.97645	04 31 34.7	+20 10 35	249
Geocentric position (AU)	+0.00757591	+0.00682360	+0.00276125	
C/2002 K10	2002 05 30.99312	04 31 31.7	+20 13 41	249
Geocentric position (AU)	+0.00757377	+0.00682467	+0.00276221	
C/2002 K10	2002 05 31.00423	04 31 30.3	+20 15 28	249
Geocentric position (AU)	+0.00757234	+0.00682538	+0.00276285	
C/2002 K10	2002 05 31.01812	04 31 29.1	+20 17 59	249
Geocentric position (AU)	+0.00757055	+0.00682628	+0.00276365	
C/2002 K10	2002 05 31.03480	04 31 26.7	+20 21 07	249
Geocentric position (AU)	+0.00756840	+0.00682735	+0.00276461	
C/2002 K10	2002 05 31.06059	04 31 22.2	+20 26 02	249
Geocentric position (AU)	+0.00756508	+0.00682900	+0.00276609	
C/2002 K10	2002 05 31.07646	04 31 20.6	+20 29 07	249
Geocentric position (AU)	+0.00756303	+0.00683002	+0.00276701	
C/2002 K10	2002 05 31.08756	04 31 18.7	+20 31 30	249
Geocentric position (AU)	+0.00756160	+0.00683073	+0.00276765	

C/2002 L9 (NEAT)

C/2002 L9	2002 08 01.91661	19 42 01.72	−31 45 32.9	17.8 T	213
C/2002 L9	2002 08 01.91834	19 42 01.69	−31 45 32.9	17.8 T	213
C/2002 L9	2002 08 07.57500	19 39 30.36	−32 09 00.1	17.2 T	360
C/2002 L9	2002 08 07.57956	19 39 30.22	−32 09 01.8		360

C/2002 M8 (SOHO)

C/2002 M8	2002 06 16.46535	05 33 58.8	+21 39 43	249
Geocentric position (AU)	+0.00459660	+0.00774037	+0.00366499	
C/2002 M8	2002 06 16.47231	05 34 01.0	+21 41 15	249
Geocentric position (AU)	+0.00459503	+0.00774059	+0.00366529	
C/2002 M8	2002 06 16.47576	05 34 02.0	+21 42 12	249
Geocentric position (AU)	+0.00459425	+0.00774071	+0.00366544	
C/2002 M8	2002 06 16.48270	05 34 05.3	+21 43 36	249
Geocentric position (AU)	+0.00459269	+0.00774093	+0.00366574	
C/2002 M8	2002 06 16.48618	05 34 07.5	+21 44 36	249
Geocentric position (AU)	+0.00459191	+0.00774105	+0.00366589	
C/2002 M8	2002 06 16.49313	05 34 09.7	+21 46 10	249
Geocentric position (AU)	+0.00459034	+0.00774127	+0.00366619	
C/2002 M8	2002 06 16.49659	05 34 11.8	+21 46 59	249
Geocentric position (AU)	+0.00458956	+0.00774138	+0.00366634	
C/2002 M8	2002 06 16.50355	05 34 14.3	+21 48 52	249
Geocentric position (AU)	+0.00458799	+0.00774161	+0.00366664	
C/2002 M8	2002 06 16.50701	05 34 16.5	+21 49 41	249
Geocentric position (AU)	+0.00458721	+0.00774172	+0.00366679	
C/2002 M8	2002 06 16.51396	05 34 19.6	+21 51 27	249
Geocentric position (AU)	+0.00458565	+0.00774195	+0.00366709	

C/2002 M8 2002 06 16.51743 05 34 21.5 +21 52 15 249
Geocentric position (AU) +0.00458487 +0.00774206 +0.00366724

C/2002 N1 (SOHO)

C/2002 N1 2002 07 08.43063 06 58 23.2 +20 40 24 249
Geocentric position (AU) −0.00123674 +0.00759572 +0.00406403
C/2002 N1 2002 07 08.47090 06 58 57.2 +20 47 14 249
Geocentric position (AU) −0.00124880 +0.00759305 +0.00406330
C/2002 N1 2002 07 08.51256 06 59 29.1 +20 53 50 249
Geocentric position (AU) −0.00126128 +0.00759028 +0.00406254
C/2002 N1 2002 07 08.59590 07 00 41.2 +21 07 56 249
Geocentric position (AU) −0.00128625 +0.00758468 +0.00406099
C/2002 N1 2002 07 08.63756 07 01 18.6 +21 15 38 249
Geocentric position (AU) −0.00129874 +0.00758187 +0.00406020
C/2002 N1 2002 07 08.67923 07 01 58.1 +21 23 18 249
Geocentric position (AU) −0.00131122 +0.00757904 +0.00405941

C/2002 O1 (SOHO)

C/2002 O1 2002 07 16.59590 07 26 07.1 +18 16 48 249
Geocentric position (AU) −0.00362189 +0.00681237 +0.00376330
C/2002 O1 2002 07 16.76256 07 27 48.1 +18 34 38 249
Geocentric position (AU) −0.00366804 +0.00679199 +0.00375420
C/2002 O1 2002 07 16.84591 07 28 39.5 +18 43 11 249
Geocentric position (AU) −0.00369107 +0.00678175 +0.00374962
C/2002 O1 2002 07 16.88757 07 29 07.6 +18 47 37 249
Geocentric position (AU) −0.00370257 +0.00677662 +0.00374731
C/2002 O1 2002 07 16.92924 07 29 34.9 +18 52 04 249
Geocentric position (AU) −0.00371406 +0.00677148 +0.00374500
C/2002 O1 2002 07 16.97098 07 30 01.5 +18 56 28 249
Geocentric position (AU) −0.00372557 +0.00676632 +0.00374268
C/2002 O1 2002 07 17.01258 07 30 31.2 +19 02 02 249
Geocentric position (AU) −0.00373702 +0.00676117 +0.00374036
C/2002 O1 2002 07 17.09590 07 31 29.5 +19 11 18 249
Geocentric position (AU) −0.00375994 +0.00675083 +0.00373570
C/2002 O1 2002 07 17.13785 07 31 59.9 +19 16 19 249
Geocentric position (AU) −0.00377147 +0.00674562 +0.00373334
C/2002 O1 2002 07 17.17923 07 32 31.9 +19 21 34 249
Geocentric position (AU) −0.00378283 +0.00674046 +0.00373101
C/2002 O1 2002 07 17.22090 07 33 03.3 +19 27 12 249
Geocentric position (AU) −0.00379426 +0.00673526 +0.00372866
C/2002 O1 2002 07 17.26256 07 33 36.6 +19 32 39 249
Geocentric position (AU) −0.00380568 +0.00673006 +0.00372630
C/2002 O1 2002 07 17.34590 07 34 47.4 +19 44 13 249
Geocentric position (AU) −0.00382850 +0.00671962 +0.00372156
C/2002 O1 2002 07 17.38756 07 35 25.9 +19 50 07 249
Geocentric position (AU) −0.00383989 +0.00671439 +0.00371918
C/2002 O1 2002 07 17.43065 07 36 05.7 +19 56 39 249
Geocentric position (AU) −0.00385167 +0.00670897 +0.00371672
C/2002 O1 2002 07 17.47090 07 36 44.4 +20 02 53 249
Geocentric position (AU) −0.00386266 +0.00670390 +0.00371441
C/2002 O1 2002 07 17.51256 07 37 29.7 +20 09 31 249
Geocentric position (AU) −0.00387403 +0.00669865 +0.00371201
C/2002 O1 2002 07 17.60423 07 39 20.3 +20 26 33 249
Geocentric position (AU) −0.00389902 +0.00668705 +0.00370672
C/2002 O1 2002 07 17.62927 07 39 52.0 +20 31 36 249
Geocentric position (AU) −0.00390584 +0.00668388 +0.00370527

C/2002 O2 (SOHO)

C/2002 O2 2002 07 16.59590 07 25 28.5 +18 16 14 249
Geocentric position (AU) −0.00362189 +0.00681237 +0.00376330
C/2002 O2 2002 07 16.67925 07 26 15.7 +18 23 32 249
Geocentric position (AU) −0.00364499 +0.00680220 +0.00375877
C/2002 O2 2002 07 16.72090 07 26 40.5 +18 27 36 249
Geocentric position (AU) −0.00365652 +0.00679710 +0.00375649
C/2002 O2 2002 07 16.76256 07 27 02.8 +18 31 22 249
Geocentric position (AU) −0.00366804 +0.00679199 +0.00375420
C/2002 O2 2002 07 16.84591 07 27 54.6 +18 39 49 249
Geocentric position (AU) −0.00369107 +0.00678175 +0.00374962
C/2002 O2 2002 07 16.88757 07 28 19.0 +18 44 05 249
Geocentric position (AU) −0.00370257 +0.00677662 +0.00374731
C/2002 O2 2002 07 16.92924 07 28 44.3 +18 48 10 249
Geocentric position (AU) −0.00371406 +0.00677148 +0.00374500
C/2002 O2 2002 07 16.97098 07 29 10.3 +18 52 24 249
Geocentric position (AU) −0.00372557 +0.00676632 +0.00374268
C/2002 O2 2002 07 17.01258 07 29 36.6 +18 57 00 249
Geocentric position (AU) −0.00373702 +0.00676117 +0.00374036
C/2002 O2 2002 07 17.09590 07 30 32.5 +19 05 56 249
Geocentric position (AU) −0.00375994 +0.00675083 +0.00373570
C/2002 O2 2002 07 17.13785 07 31 01.7 +19 10 37 249
Geocentric position (AU) −0.00377147 +0.00674562 +0.00373334
C/2002 O2 2002 07 17.17923 07 31 31.1 +19 15 22 249
Geocentric position (AU) −0.00378283 +0.00674046 +0.00373101
C/2002 O2 2002 07 17.22090 07 32 00.2 +19 20 20 249
Geocentric position (AU) −0.00379426 +0.00673526 +0.00372866
C/2002 O2 2002 07 17.26256 07 32 31.7 +19 25 31 249
Geocentric position (AU) −0.00380568 +0.00673006 +0.00372630
C/2002 O2 2002 07 17.34590 07 33 35.8 +19 35 37 249
Geocentric position (AU) −0.00382850 +0.00671962 +0.00372156
C/2002 O2 2002 07 17.38756 07 34 09.2 +19 40 46 249
Geocentric position (AU) −0.00383989 +0.00671439 +0.00371918
C/2002 O2 2002 07 17.43065 07 34 46.8 +19 46 40 249
Geocentric position (AU) −0.00385167 +0.00670897 +0.00371672
C/2002 O2 2002 07 17.47090 07 35 20.8 +19 52 11 249
Geocentric position (AU) −0.00386266 +0.00670390 +0.00371441
C/2002 O2 2002 07 17.51256 07 36 00.2 +19 58 02 249
Geocentric position (AU) −0.00387403 +0.00669865 +0.00371201
C/2002 O2 2002 07 17.63756 07 38 07.1 +20 17 06 249
Geocentric position (AU) −0.00390809 +0.00668283 +0.00370479
C/2002 O2 2002 07 17.67923 07 38 51.9 +20 23 38 249
Geocentric position (AU) −0.00391942 +0.00667755 +0.00370237
C/2002 O2 2002 07 17.72090 07 39 44.4 +20 30 36 249
Geocentric position (AU) −0.00393074 +0.00667226 +0.00369994
C/2002 O2 2002 07 17.72923 07 39 56.3 +20 31 58 249
Geocentric position (AU) −0.00393302 +0.00667119 +0.00369945
C/2002 O2 2002 07 17.75428 07 40 28.9 +20 36 42 249
Geocentric position (AU) −0.00393982 +0.00666800 +0.00369799

C/2002 O2	2002 07 17.77090	07 40 52.2	+20 39 54		249
Geocentric position (AU)	−0.00394433	+0.00666589	+0.00369702		

C/2002 O3 (SOHO)

C/2002 O3	2002 07 16.92924	07 31 44.9	+19 20 18		249
Geocentric position (AU)	−0.00371406	+0.00677148	+0.00374500		
C/2002 O3	2002 07 16.97098	07 32 16.5	+19 25 28		249
Geocentric position (AU)	−0.00372557	+0.00676632	+0.00374268		
C/2002 O3	2002 07 17.01258	07 32 45.5	+19 31 26		249
Geocentric position (AU)	−0.00373702	+0.00676117	+0.00374036		
C/2002 O3	2002 07 17.09590	07 33 58.8	+19 43 01		249
Geocentric position (AU)	−0.00375994	+0.00675083	+0.00373570		
C/2002 O3	2002 07 17.13785	07 34 31.1	+19 49 04		249
Geocentric position (AU)	−0.00377147	+0.00674562	+0.00373334		
C/2002 O3	2002 07 17.17923	07 35 12.6	+19 54 59		249
Geocentric position (AU)	−0.00378283	+0.00674046	+0.00373101		
C/2002 O3	2002 07 17.22090	07 35 49.4	+20 01 41		249
Geocentric position (AU)	−0.00379426	+0.00673526	+0.00372866		
C/2002 O3	2002 07 17.26256	07 36 29.3	+20 08 29		249
Geocentric position (AU)	−0.00380568	+0.00673006	+0.00372630		

C/2002 O4 (Hönig)

C/2002 O4	2002 07 27.64622	23 22 22.65	+40 36 26.1		349
C/2002 O4	2002 07 27.64848	23 22 22.32	+40 36 39.7		349
C/2002 O4	2002 07 27.65088	23 22 22.05	+40 36 57.0		349
C/2002 O4	2002 07 27.65210	23 22 22.01	+40 37 04.4		349
C/2002 O4	2002 07 27.65374	23 22 21.76	+40 37 15.2		349
C/2002 O4	2002 07 27.65729	23 22 21.37	+40 37 39.0		349
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C/2002 O4	2002 07 27.83316	23 22 03.34	+40 57 04.7		557
C/2002 O4	2002 07 27.83330	23 22 03.30	+40 57 05.2	14.6 T	151
C/2002 O4	2002 07 27.83366	23 22 03.29	+40 57 08.8		118
C/2002 O4	2002 07 27.83397	23 22 03.26	+40 57 10.3		557
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C/2002 O4	2002 07 27.83723	23 22 02.89	+40 57 32.2		557
C/2002 O4	2002 07 27.83745	23 22 02.88	+40 57 32.8	15.1 N	611
C/2002 O4	2002 07 27.83863	23 22 02.73	+40 57 40.8	14.9 N	611
C/2002 O4	2002 07 27.83959	23 22 02.64	+40 57 47.1	14.7 N	611
C/2002 O4	2002 07 27.84175	23 22 02.49	+40 58 02.3	15.4 T	611
C/2002 O4	2002 07 27.84443	23 22 02.15	+40 58 19.9	14.8 T	611
C/2002 O4	2002 07 27.84458	23 22 02.12	+40 58 21.4		557
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C/2002 O4	2002 07 27.84703	23 22 01.88	+40 58 37.8		557
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C/2002 O4	2002 07 27.84817	23 22 01.83	+40 58 46.1	14.5 T	118
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C/2002 O4	2002 07 27.99817	23 21 45.45	+41 15 34.8	13.4	T	113
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C/2002 O4	2002 07 28.01074	23 21 44.07	+41 16 59.2	13.4	T	113
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C/2002 O4	2002 07 28.05602	23 21 39.03	+41 22 04.1	14.1	T	196
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C/2002 O4	2002 07 28.06979	23 21 37.53	+41 23 37.4	12.8	T	J91
C/2002 O4	2002 07 28.07224	23 21 37.27	+41 23 54.2	12.8	T	J91
C/2002 O4	2002 07 28.09108	23 21 35.18	+41 26 00.7	12.9	T	J91
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C/2002 O4	2002 07 28.20315	23 21 23.42	+41 38 33.0	12.9	N	726
C/2002 O4	2002 07 28.20662	23 21 23.12	+41 38 56.7	13.0	N	726
C/2002 O4	2002 07 28.21009	23 21 22.76	+41 39 21.1	12.9	N	726
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C/2002 O4	2002 07 28.83907	23 20 10.68	+42 50 49.0	14.4	T	104
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C/2002 O4	2002 07 28.85309	23 20 09.02	+42 52 25.4	14.9	N	151
C/2002 O4	2002 07 28.85497	23 20 08.80	+42 52 38.3	14.6	N	611
C/2002 O4	2002 07 28.85701	23 20 08.69	+42 52 52.9			107
C/2002 O4	2002 07 28.85793	23 20 08.45	+42 52 58.8	14.7	N	611
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C/2002 O4	2002 07 28.88207	23 20 05.54	+42 55 47.1			118
C/2002 O4	2002 07 28.88259	23 20 05.45	+42 55 50.4			118
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C/2002 O4	2002 07 28.89201	23 20 04.43	+42 56 53.8			J95
C/2002 O4	2002 07 28.89844	23 20 03.60	+42 57 38.5	14.6	T	J95
C/2002 O4	2002 07 28.90069	23 20 03.35	+42 57 54.3	14.5	T	J95
C/2002 O4	2002 07 28.90212	23 20 03.12	+42 58 04.0	14.2	N	636
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C/2002 O4	2002 07 28.90825	23 20 02.33	+42 58 47.3		557
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C/2002 O4	2002 07 28.91274	23 20 01.84	+42 59 16.6		970
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C/2002 O4	2002 07 28.92137	23 20 00.76	+43 00 17.6		621
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C/2002 O4	2002 07 29.01858	23 19 48.84	+43 11 31.5		J95
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C/2002 O4	2002 07 29.02722	23 19 47.45	+43 12 29.4	12.7 T	159
C/2002 O4	2002 07 29.02917	23 19 47.22	+43 12 43.3	12.5 T	159
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C/2002 O4	2002 07 29.90970	23 17 54.48	+44 55 25.7		A46
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C/2002 O4	2002 07 29.91126	23 17 54.26	+44 55 36.7		A46
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C/2002 O4	2002 07 30.57758	23 16 20.36	+46 14 58.7				340
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C/2002 O4	2002 07 30.68494	23 16 03.92	+46 27 56.5				349
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C/2002 O4	2002 07 30.92632	23 15 27.95	+46 57 00.2	13.9	T		939
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C/2002 O4	2002 08 04.96193	22 57 09.70	+57 36 01.1	15.4	T	157
C/2002 O4	2002 08 04.97764	22 57 04.91	+57 38 02.8	13.3	N	J91
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P/2002 O5	2002 07 31.83122	16 12 02.72	−04 01 04.6	15.9	T		620
P/2002 O5	2002 07 31.83337	16 12 03.18	−04 00 55.9	15.5	T		620
P/2002 O5	2002 07 31.98840	16 12 38.28	−03 51 16.3	17.6	N		859
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P/2002 O5	2002 08 01.20422	16 13 27.01	−03 38 50.6	14.8	T		734
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C/2002 O6	2002 08 03.78723	04 22 21.72	−07 17 07.9			300
C/2002 O6	2002 08 03.78809	04 22 22.39	−07 16 58.5			300
C/2002 O6	2002 08 03.79500	04 22 27.93	−07 15 37.9			372
C/2002 O6	2002 08 04.11280	04 26 46.35	−06 13 17.3	12.5	N	213
C/2002 O6	2002 08 04.12019	04 26 52.34	−06 11 50.5	12.5	N	213
C/2002 O6	2002 08 04.12358	04 26 55.13	−06 11 09.9	12.5	N	213
C/2002 O6	2002 08 04.13315	04 27 02.98	−06 09 15.9	12.5	N	213
C/2002 O6	2002 08 04.13535	04 27 04.80	−06 08 49.4	12.5	N	213
C/2002 O6	2002 08 04.75186	04 35 44.46	−04 02 22.5			300
C/2002 O6	2002 08 04.75425	04 35 46.48	−04 01 52.0			300
C/2002 O6	2002 08 04.75544	04 35 47.54	−04 01 37.4			300
C/2002 O6	2002 08 04.75663	04 35 48.58	−04 01 21.6			300
C/2002 O6	2002 08 04.78389	04 36 11.93	−03 55 36.7	6.5	T	372
C/2002 O6	2002 08 04.79201	04 36 18.92	−03 53 54.5			372
C/2002 O6	2002 08 05.77265	04 50 55.43	−00 18 57.1			349
C/2002 O6	2002 08 05.77317	04 50 55.89	−00 18 50.2			349
C/2002 O6	2002 08 05.77370	04 50 56.37	−00 18 42.6			349
C/2002 O6	2002 08 05.78236	04 51 04.33	−00 16 44.5			349
C/2002 O6	2002 08 05.78363	04 51 05.52	−00 16 27.5			349
C/2002 O6	2002 08 05.78466	04 51 06.46	−00 16 13.4	9.0	T	349
C/2002 O6	2002 08 06.17373	04 57 10.61	+01 13 08.5	11.8	T	939
C/2002 O6	2002 08 06.17581	04 57 12.57	+01 13 37.8	11.8	T	939
C/2002 O6	2002 08 06.17794	04 57 14.55	+01 14 07.2	11.8	T	939
C/2002 O6	2002 08 06.36416	05 00 11.87	+01 58 09.0	10.2	T	859
C/2002 O6	2002 08 06.36472	05 00 12.38	+01 58 19.1	10.0	T	859
C/2002 O6	2002 08 06.36529	05 00 12.83	+01 58 24.2	10.3	T	859
C/2002 O6	2002 08 06.36584	05 00 13.36	+01 58 34.4	10.2	T	859
C/2002 O6	2002 08 06.36640	05 00 13.78	+01 58 43.2	10.5	T	859
C/2002 O6	2002 08 06.78469	05 07 00.99	+03 37 25.2			349
C/2002 O6	2002 08 06.78550	05 07 01.79	+03 37 37.1			349
C/2002 O6	2002 08 06.78596	05 07 02.24	+03 37 43.6			349
C/2002 O6	2002 08 06.78649	05 07 02.75	+03 37 51.5			349
C/2002 O6	2002 08 06.78698	05 07 03.23	+03 37 58.6	8.8	T	349
C/2002 O6	2002 08 07.11292	05 12 26.81	+04 56 25.9	12.6	N	613
C/2002 O6	2002 08 07.11448	05 12 28.50	+04 56 49.1	12.5	N	613
C/2002 O6	2002 08 07.11604	05 12 30.08	+04 57 12.6	12.3	N	613
C/2002 O6	2002 08 07.77637	05 23 44.75	+07 38 59.5			349
C/2002 O6	2002 08 07.77674	05 23 45.14	+07 39 05.1			349
C/2002 O6	2002 08 07.77716	05 23 45.57	+07 39 11.4			349
C/2002 O6	2002 08 07.77765	05 23 46.09	+07 39 18.5			349
C/2002 O6	2002 08 07.77802	05 23 46.47	+07 39 24.1	8.0	T	349
C/2002 O6	2002 08 08.77762	05 41 30.08	+11 46 53.7	7.7	T	349
C/2002 O6	2002 08 08.77836	05 41 30.88	+11 47 04.8			349
C/2002 O6	2002 08 08.78241	05 41 35.26	+11 48 05.2			349
C/2002 O6	2002 08 08.78278	05 41 35.65	+11 48 10.5			349
C/2002 O6	2002 08 08.78478	05 41 37.83	+11 48 40.1			349
C/2002 O6	2002 08 09.76964	05 59 48.54	+15 49 34.2	8.2	T	349
C/2002 O6	2002 08 09.77022	05 59 49.19	+15 49 42.7			349
C/2002 O6	2002 08 09.77641	05 59 56.11	+15 51 12.3			349
C/2002 O6	2002 08 09.77931	05 59 59.39	+15 51 54.4			349
C/2002 O6	2002 08 09.78046	06 00 00.66	+15 52 10.7			349
C/2002 O6	2002 08 10.74390	06 18 17.45	+19 38 15.8			355
C/2002 O6	2002 08 10.75078	06 18 25.32	+19 39 50.1	8.3	T	355
C/2002 O6	2002 08 10.75216	06 18 26.93	+19 40 09.0			355
C/2002 O6	2002 08 10.75344	06 18 28.40	+19 40 26.1			349
C/2002 O6	2002 08 10.75421	06 18 29.28	+19 40 36.8			349
C/2002 O6	2002 08 10.77336	06 18 51.26	+19 44 59.4			349
C/2002 O6	2002 08 10.77373	06 18 51.68	+19 45 04.5			349
C/2002 O6	2002 08 10.77411	06 18 52.12	+19 45 09.4	7.3	T	349
C/2002 O6	2002 08 11.12345	06 25 34.60	+21 03 25.9	11.7	N	170
C/2002 O6	2002 08 11.12712	06 25 39.00	+21 04 17.2	11.6	N	170
C/2002 O6	2002 08 11.13106	06 25 43.44	+21 05 07.9	11.7	N	170

C/2002 O6	2002 08 11.13367	06 25 46.48	+21 05 42.2	11.4	N	213
C/2002 O6	2002 08 11.13505	06 25 48.09	+21 06 00.8	11.4	N	213
C/2002 O6	2002 08 11.13592	06 25 49.14	+21 06 11.7	11.4	N	213
C/2002 O6	2002 08 11.14359	06 25 58.02	+21 07 54.6	11.7	N	170
C/2002 O6	2002 08 11.14697	06 26 01.87	+21 08 39.7	11.6	N	170
C/2002 O6	2002 08 11.15034	06 26 05.80	+21 09 24.2	11.7	N	170
C/2002 O6	2002 08 11.15861	06 26 15.25	+21 11 14.0	11.7	N	170
C/2002 O6	2002 08 12.11044	06 44 37.63	+24 31 56.5	11.9	N	170
C/2002 O6	2002 08 12.11163	06 44 38.93	+24 32 11.6	11.9	N	170
C/2002 O6	2002 08 12.12144	06 44 50.27	+24 34 10.4	11.9	N	170
C/2002 O6	2002 08 12.12847	06 44 58.40	+24 35 35.9	12.2	N	620
C/2002 O6	2002 08 12.13266	06 45 03.27	+24 36 26.8	10.2	T	620
C/2002 O6	2002 08 12.13370	06 45 04.49	+24 36 39.4			620
C/2002 O6	2002 08 12.13436	06 45 05.23	+24 36 46.6	11.9	N	170
C/2002 O6	2002 08 12.13578	06 45 06.90	+24 37 04.4			620
C/2002 O6	2002 08 14.09901	07 22 31.77	+30 24 18.5	12.1	N	235

C/2002 O7 (LINEAR)

C/2002 O7	2002 07 29.17312	14 25 04.75	+46 29 25.2	20.0	N	704
C/2002 O7	2002 07 29.18661	14 25 04.40	+46 29 14.7	19.7	N	704
C/2002 O7	2002 07 29.20010	14 25 04.14	+46 29 05.8	19.5	N	704
C/2002 O7	2002 07 29.21355	14 25 04.04	+46 28 57.1	19.7	N	704
C/2002 O7	2002 07 29.92249	14 24 51.97	+46 21 11.2	18.8	N	621
C/2002 O7	2002 07 29.92634	14 24 51.96	+46 21 08.9			621
C/2002 O7	2002 07 29.93589	14 24 51.75	+46 21 02.5			621
C/2002 O7	2002 07 29.93972	14 24 51.62	+46 21 00.2			621
C/2002 O7	2002 07 30.19476	14 24 47.42	+46 18 12.3	18.5	N	649
C/2002 O7	2002 07 30.21150	14 24 47.20	+46 18 01.2	18.8	N	649
C/2002 O7	2002 07 30.22738	14 24 47.03	+46 17 50.6	18.8	N	649
C/2002 O7	2002 07 31.15360	14 24 32.47	+46 07 39.9	19.0	N	704
C/2002 O7	2002 07 31.15576	14 24 32.41	+46 07 39.6	18.6	N	704
C/2002 O7	2002 07 31.16713	14 24 32.24	+46 07 31.7	19.3	N	704
C/2002 O7	2002 07 31.16762	14 24 32.17	+46 07 31.8	18.8	N	704
C/2002 O7	2002 07 31.17903	14 24 32.02	+46 07 23.8	18.4	N	649
C/2002 O7	2002 07 31.17935	14 24 31.97	+46 07 24.0	18.9	N	704
C/2002 O7	2002 07 31.18066	14 24 31.98	+46 07 22.5	18.9	N	704
C/2002 O7	2002 07 31.19096	14 24 31.80	+46 07 16.8	18.7	N	704
C/2002 O7	2002 07 31.19422	14 24 31.71	+46 07 13.5	19.3	N	704
C/2002 O7	2002 07 31.20246	14 24 31.56	+46 07 07.8	18.9	N	704
C/2002 O7	2002 07 31.20304	14 24 31.67	+46 07 07.7	18.5	N	649
C/2002 O7	2002 07 31.20792	14 24 31.53	+46 07 04.2	19.2	N	704
C/2002 O7	2002 07 31.22594	14 24 31.26	+46 06 51.9	18.5	N	649
C/2002 O7	2002 08 01.16317	14 24 17.49	+45 56 32.5	18.9	N	704
C/2002 O7	2002 08 01.17489	14 24 17.38	+45 56 24.5	18.9	N	704
C/2002 O7	2002 08 01.18656	14 24 17.21	+45 56 17.5	19.1	N	704
C/2002 O7	2002 08 01.21054	14 24 17.19	+45 56 00.4	18.7	N	734
C/2002 O7	2002 08 01.22649	14 24 16.71	+45 55 49.1	19.1	N	734
C/2002 O7	2002 08 02.23416	14 24 02.89	+45 44 40.7	18.0	N	649
C/2002 O7	2002 08 02.23870	14 24 02.67	+45 44 38.3	18.9	N	649
C/2002 O7	2002 08 02.24690	14 24 02.77	+45 44 33.6	18.6	N	649
C/2002 O7	2002 08 02.84933	14 23 55.09	+45 37 52.3	18.4	N	599
C/2002 O7	2002 08 02.85810	14 23 55.01	+45 37 46.3	18.3	N	599
C/2002 O7	2002 08 02.86278	14 23 54.88	+45 37 43.2	18.9	N	599
C/2002 O7	2002 08 02.86759	14 23 54.87	+45 37 40.6	18.8	N	587
C/2002 O7	2002 08 02.86837	14 23 54.87	+45 37 39.8	18.3	N	599
C/2002 O7	2002 08 02.87087	14 23 54.83	+45 37 38.0	18.7	N	587
C/2002 O7	2002 08 02.87339	14 23 54.83	+45 37 35.8	18.4	N	587
C/2002 O7	2002 08 02.87600	14 23 54.76	+45 37 34.4			557
C/2002 O7	2002 08 02.87786	14 23 54.76	+45 37 32.8			557
C/2002 O7	2002 08 02.87972	14 23 54.73	+45 37 31.4			557
C/2002 O7	2002 08 02.88159	14 23 54.68	+45 37 30.4			557
C/2002 O7	2002 08 03.11751	14 23 51.79	+45 34 53.7	17.7	N	734
C/2002 O7	2002 08 03.12773	14 23 51.57	+45 34 47.3	18.9	N	734
C/2002 O7	2002 08 03.92273	14 23 42.27	+45 25 56.1	18.8	N	938
C/2002 O7	2002 08 04.11933	14 23 40.16	+45 23 48.0	18.4	N	734
C/2002 O7	2002 08 04.13367	14 23 40.12	+45 23 35.8	18.1	N	734
C/2002 O7	2002 08 04.88509	14 23 31.94	+45 15 13.1	18.5	T	046
C/2002 O7	2002 08 04.89682	14 23 31.70	+45 15 04.7			046
C/2002 O7	2002 08 04.91839	14 23 31.74	+45 14 51.6	17.9	N	938
C/2002 O7	2002 08 04.93085	14 23 31.43	+45 14 45.3	17.9	N	938
C/2002 O7	2002 08 07.54961	14 23 07.76	+44 45 26.7	18.9	T	360
C/2002 O7	2002 08 07.55446	14 23 07.74	+44 45 23.8			360
C/2002 O7	2002 08 07.55913	14 23 07.76	+44 45 21.0			360
C/2002 O7	2002 08 07.88421	14 23 05.12	+44 41 41.5	18.6	T	213
C/2002 O7	2002 08 07.89147	14 23 05.39	+44 41 37.5	18.6	T	213
C/2002 O7	2002 08 07.89510	14 23 05.63	+44 41 35.0	18.6	T	213
C/2002 O7	2002 08 13.93794	14 22 38.46	+43 33 39.7	17.6	T	213
C/2002 O7	2002 08 13.94017	14 22 38.20	+43 33 36.0	17.6	T	213

P/2002 O8 (NEAT)

P/2002 O8	2001 05 22.31770	15 36 49.22	−13 25 01.6	20.8	N	5	691
P/2002 O8	2001 05 22.33971	15 36 48.24	−13 25 02.4	20.9	N	5	691
P/2002 O8	2001 05 22.36184	15 36 47.22	−13 25 02.4	20.9	N	5	691
P/2002 O8	2001 06 11.22319	15 23 26.49	−13 41 32.8	21.4	N	5	691
P/2002 O8	2001 06 11.24433	15 23 25.71	−13 41 34.8	21.5	N	5	691
P/2002 O8	2001 06 11.26602	15 23 24.98	−13 41 37.1	22.0	N	5	691
P/2002 O8	2002 07 05.38361	21 42 50.95	−28 31 24.4	18.5	N		704
P/2002 O8	2002 07 05.39671	21 42 50.66	−28 31 29.5	18.6	N		704
P/2002 O8	2002 07 05.42295	21 42 50.22	−28 31 40.3	18.4	N		704
P/2002 O8	2002 07 16.44505	21 38 48.73	−29 42 09.4	17.7	N		644
P/2002 O8	2002 07 16.45549	21 38 48.44	−29 42 13.3	17.8	N		644
P/2002 O8	2002 07 16.46585	21 38 48.10	−29 42 17.4	17.9	N		644
P/2002 O8	2002 07 29.32442	21 31 32.67	−31 01 25.2	17.5	T		644
P/2002 O8	2002 07 29.34538	21 31 31.82	−31 01 32.3	17.4	T		644
P/2002 O8	2002 07 29.37843	21 31 30.51	−31 01 43.8	17.6	T		644
P/2002 O8	2002 08 03.29283	21 28 13.60	−31 28 46.6	17.2	T		644
P/2002 O8	2002 08 03.31526	21 28 12.58	−31 28 52.8	17.1	T		644
P/2002 O8	2002 08 03.33958	21 28 11.61	−31 29 01.1	17.2	T		644
P/2002 O8	2002 08 03.92145	21 27 47.58	−31 32 03.4	17.2	T		620
P/2002 O8	2002 08 03.93051	21 27 47.10	−31 32 09.7	17.3	T		620
P/2002 O8	2002 08 03.96493	21 27 45.67	−31 32 17.5			6	118
P/2002 O8	2002 08 03.97905	21 27 45.09	−31 32 20.9			6	118
P/2002 O8	2002 08 03.98117	21 27 44.99	−31 32 22.0	17	N	6	118
P/2002 O8	2002 08 04.03669	21 27 42.94	−31 32 34.2	16.1	N		844
P/2002 O8	2002 08 04.03867	21 27 42.87	−31 32 34.0	15.0	N		844
P/2002 O8	2002 08 04.05091	21 27 42.32	−31 32 39.1	14.1	N		844

P/2002 O8	2002 08 04.06213	21 27 41.96	−31 32 42.9	14.7 N		844
P/2002 O8	2002 08 04.29243	21 27 32.15	−31 33 58.1	16.3 N		734
P/2002 O8	2002 08 04.30292	21 27 31.73	−31 34 01.4	16.3 N		734
P/2002 O8	2002 08 04.38414	21 27 28.51	−31 34 21.3	17.3 T		474
P/2002 O8	2002 08 04.39051	21 27 28.27	−31 34 23.3	17.1 T		474
P/2002 O8	2002 08 04.39340	21 27 28.13	−31 34 24.2	17.2 T		474
P/2002 O8	2002 08 04.39630	21 27 28.04	−31 34 25.0	17.2 T		474
P/2002 O8	2002 08 04.41620	21 27 27.19	−31 34 31.2	17.2 T		474
P/2002 O8	2002 08 04.41875	21 27 27.05	−31 34 32.0	17.1 T		474
P/2002 O8	2002 08 04.44832	21 27 25.84	−31 34 41.3	17.8 N		428
P/2002 O8	2002 08 04.46397	21 27 25.18	−31 34 46.9	17.8 N		428
P/2002 O8	2002 08 04.68750	21 27 15.54	−31 35 54.1	17.2 T		474
P/2002 O8	2002 08 04.69154	21 27 15.35	−31 35 55.4	17.2 T		474
P/2002 O8	2002 08 04.69884	21 27 15.06	−31 35 57.8	17.4 T		474
P/2002 O8	2002 08 05.30498	21 26 49.94	−31 39 05.9	17.3 T		644
P/2002 O8	2002 08 05.32813	21 26 48.92	−31 39 12.8	17.2 T		644
P/2002 O8	2002 08 05.36158	21 26 47.49	−31 39 22.8	17.1 T		644
P/2002 O8	2002 08 05.47985	21 26 42.74	−31 39 54.6	18.0 N		428
P/2002 O8	2002 08 05.54966	21 26 39.73	−31 40 16.0	17.9 N		428
P/2002 O8	2002 08 07.65058	21 25 11.02	−31 50 30.9	17.1 T		360
P/2002 O8	2002 08 07.65583	21 25 10.75	−31 50 32.7			360
P/2002 O8	2002 08 07.65852	21 25 10.65	−31 50 33.4			360
P/2002 O8	2002 08 07.94187	21 24 58.60	−31 51 52.5	17.0 T		213
P/2002 O8	2002 08 07.94936	21 24 58.42	−31 51 52.7	17.0 T		213
P/2002 O8	2002 08 07.95663	21 24 57.63	−31 51 59.1	17.0 T		213
P/2002 O8	2002 08 07.96389	21 24 57.58	−31 51 59.3	17.0 T		213
P/2002 O8	2002 08 13.36673	21 21 07.41	−32 15 10.5	17.3 T		644
P/2002 O8	2002 08 13.37701	21 21 06.94	−32 15 12.9	17.3 T		644
P/2002 O8	2002 08 13.38740	21 21 06.56	−32 15 15.6	17.4 T		644
P/2002 O8	2002 08 13.56075	21 20 59.39	−32 15 52.4			322
P/2002 O8	2002 08 13.61465	21 20 57.02	−32 16 05.5			322
P/2002 O8	2002 08 13.64112	21 20 55.83	−32 16 11.1			322
P/2002 O8	2002 08 14.01831	21 20 39.77	−32 17 41.6	17.0 T		213
P/2002 O8	2002 08 14.02584	21 20 39.16	−32 17 43.4	17.0 T		213
P/2002 O8	2002 08 14.02894	21 20 39.34	−32 17 43.3	17.0 T		213

C/2002 P1 (NEAT)

C/2002 P1	2002 08 07.38888	21 16 06.93	−09 47 55.3	19.6 T		644
C/2002 P1	2002 08 07.40417	21 16 06.50	−09 47 54.2	19.2 T		644
C/2002 P1	2002 08 07.41704	21 16 06.16	−09 47 52.8	19.9 T		644
C/2002 P1	2002 08 08.25898	21 15 44.62	−09 46 50.0	18.3 T		734
C/2002 P1	2002 08 08.27350	21 15 44.37	−09 46 47.7	18.4 T		734
C/2002 P1	2002 08 09.51968	21 15 12.40	−09 45 11.1	19 T	1	474
C/2002 P1	2002 08 09.52406	21 15 12.26	−09 45 11.0		1	474
C/2002 P1	2002 08 09.53008	21 15 12.23	−09 45 09.8		1	474
C/2002 P1	2002 08 09.53633	21 15 12.13	−09 45 09.2		1	474
C/2002 P1	2002 08 10.37301	21 14 50.48	−09 44 09.9			848
C/2002 P1	2002 08 10.39072	21 14 50.11	−09 44 08.5			848
C/2002 P1	2002 08 10.50107	21 14 47.28	−09 43 59.2	19.0 N		428
C/2002 P1	2002 08 10.52517	21 14 46.75	−09 43 57.4	18.8 N		428
C/2002 P1	2002 08 10.85689	21 14 38.43	−09 43 34.3			246
C/2002 P1	2002 08 10.85806	21 14 38.29	−09 43 33.7			246
C/2002 P1	2002 08 10.85934	21 14 38.25	−09 43 34.0			246
C/2002 P1	2002 08 10.86053	21 14 38.19	−09 43 34.4			246
C/2002 P1	2002 08 10.86300	21 14 38.13	−09 43 33.1			246
C/2002 P1	2002 08 10.86491	21 14 38.12	−09 43 34.2			246
C/2002 P1	2002 08 11.00678	21 14 34.37	−09 43 23.9	18.2 T		170
C/2002 P1	2002 08 11.02681	21 14 33.95	−09 43 22.0	18.2 T		170
C/2002 P1	2002 08 11.03594	21 14 33.64	−09 43 21.9	18.3 T		170
C/2002 P1	2002 08 11.14772	21 14 30.76	−09 43 14.5			734
C/2002 P1	2002 08 11.18091	21 14 30.09	−09 43 10.1	18.6 T		734
C/2002 P1	2002 08 11.56076	21 14 20.43	−09 42 43.0	18.7 N		428
C/2002 P1	2002 08 11.56657	21 14 20.26	−09 42 42.8	18.7 N		428
C/2002 P1	2002 08 13.47572	21 13 31.63	−09 40 23.9	18.9 N		428
C/2002 P1	2002 08 13.53731	21 13 30.13	−09 40 18.9	18.8 N		428
C/2002 P1	2002 08 14.05385	21 13 17.01	−09 39 42.5	18.1 T		213
C/2002 P1	2002 08 14.06475	21 13 16.64	−09 39 41.7	18.1 T		213
C/2002 P1	2002 08 14.08156	21 13 16.34	−09 39 39.7	18.1 T		213
C/2002 P1	2002 08 14.09612	21 13 15.83	−09 39 40.7	18.1 T		213
C/2002 P1	2002 08 14.95042	21 12 54.46	−09 38 40.0	19.4 T	7	204
C/2002 P1	2002 08 15.03055	21 12 52.34	−09 38 35.6		4	204

C/2002 P2 (SOHO)

C/2002 P2	2002 08 10.51256	08 59 37.4	+13 57 51		249
Geocentric position (AU)	−0.00894687	+0.00285933	+0.00164970		
C/2002 P2	2002 08 10.59590	09 01 01.9	+14 04 42		249
Geocentric position (AU)	−0.00895834	+0.00284419	+0.00164086		
C/2002 P2	2002 08 10.63756	09 01 44.9	+14 08 21		249
Geocentric position (AU)	−0.00896406	+0.00283662	+0.00163644		
C/2002 P2	2002 08 10.67923	09 02 29.7	+14 11 36		249
Geocentric position (AU)	−0.00896976	+0.00282905	+0.00163202		
C/2002 P2	2002 08 10.72090	09 03 14.5	+14 15 23		249
Geocentric position (AU)	−0.00897545	+0.00282148	+0.00162760		
C/2002 P2	2002 08 10.76256	09 04 01.0	+14 18 38		249
Geocentric position (AU)	−0.00898112	+0.00281391	+0.00162318		
C/2002 P2	2002 08 10.84590	09 05 39.7	+14 26 21		249
Geocentric position (AU)	−0.00899243	+0.00279878	+0.00161433		
C/2002 P2	2002 08 10.88757	09 06 30.3	+14 30 00		249
Geocentric position (AU)	−0.00899806	+0.00279121	+0.00160991		
C/2002 P2	2002 08 10.92923	09 07 22.6	+14 34 07		249
Geocentric position (AU)	−0.00900367	+0.00278365	+0.00160548		
C/2002 P2	2002 08 10.97101	09 08 18.6	+14 38 12		249
Geocentric position (AU)	−0.00900929	+0.00277607	+0.00160105		
C/2002 P2	2002 08 11.01258	09 09 14.2	+14 42 22		249
Geocentric position (AU)	−0.00901487	+0.00276852	+0.00159663		
C/2002 P2	2002 08 11.09590	09 11 14.1	+14 50 56		249
Geocentric position (AU)	−0.00902600	+0.00275341	+0.00158778		
C/2002 P2	2002 08 11.13787	09 12 22.8	+14 55 57		249
Geocentric position (AU)	−0.00903159	+0.00274579	+0.00158331		

C/2002 P3 (SOHO)

C/2002 P3	2002 08 12.50427	09 21 40.7	+16 19 24		249
Geocentric position (AU)	−0.00920573	+0.00249899	+0.00143790		
C/2002 P3	2002 08 12.52090	09 22 08.7	+16 22 35		249
Geocentric position (AU)	−0.00920776	+0.00249601	+0.00143613		
C/2002 P3	2002 08 12.55097	09 23 02.5	+16 27 49		249
Geocentric position (AU)	−0.00921142	+0.00249060	+0.00143292		

C/2002 P3	2002 08 12.57989	09 23 54.9	+16 32 25			249
Geocentric position (AU)	−0.00921493	+0.00248541	+0.00142985			
C/2002 P3	2002 08 12.58756	09 24 08.9	+16 33 34			249
Geocentric position (AU)	−0.00921586	+0.00248403	+0.00142903			
C/2002 P3	2002 08 12.62090	09 25 11.1	+16 38 02			249
Geocentric position (AU)	−0.00921990	+0.00247805	+0.00142548			
C/2002 P3	2002 08 12.62923	09 25 26.5	+16 39 03			249
Geocentric position (AU)	−0.00922091	+0.00247655	+0.00142459			
C/2002 P3	2002 08 12.64590	09 25 58.0	+16 41 00			249
Geocentric position (AU)	−0.00922293	+0.00247356	+0.00142282			
C/2002 P3	2002 08 12.66257	09 26 30.0	+16 42 42			249
Geocentric position (AU)	−0.00922494	+0.00247057	+0.00142105			
C/2002 P3	2002 08 12.67090	09 26 46.0	+16 43 19			249
Geocentric position (AU)	−0.00922594	+0.00246908	+0.00142016			
C/2002 P3	2002 08 12.68756	09 27 18.1	+16 44 51			249
Geocentric position (AU)	−0.00922795	+0.00246609	+0.00141839			

2P/Encke

2P	2002 08 12.30903	23 32 01.97	+00 06 55.6	19.6	T	704
2P	2002 08 12.32401	23 32 01.28	+00 06 53.5	19.5	T	704
2P	2002 08 12.33903	23 32 00.60	+00 06 49.1	20.0	T	704
2P	2002 08 12.35401	23 31 59.90	+00 06 46.0	19.9	T	704
2P	2002 08 12.36894	23 31 59.17	+00 06 43.7	19.9	T	704

7P/Pons-Winnecke

7P	2002 07 14.72910	00 21 39.00	−33 16 14.3			349
7P	2002 07 14.73164	00 21 39.23	−33 16 17.5			349
7P	2002 07 14.73588	00 21 39.68	−33 16 24.1			349
7P	2002 07 14.74163	00 21 40.17	−33 16 31.6			349
7P	2002 07 14.74370	00 21 40.35	−33 16 34.8	13.6	T	349
7P	2002 08 04.10928	00 39 05.26	−40 37 59.8	11.5	T	844
7P	2002 08 04.11664	00 39 05.50	−40 38 10.4	11.6	T	844
7P	2002 08 04.11957	00 39 05.53	−40 38 13.0	11.4	T	844
7P	2002 08 04.12523	00 39 05.53	−40 38 19.5	11.0	T	844

19P/Borrelly

19P	2002 01 08.86583	12 48 06.05	+41 52 08.8	14.8	T	372
19P	2002 02 18.67431	12 46 00.49	+51 48 55.9	16.5	T	372
19P	2002 03 09.73229	12 18 07.07	+53 23 37.0	17.1	T	372

22P/Kopff

22P	2002 03 11.55660	12 14 14.31	+04 59 31.8	15.5	T	372
22P	2002 03 11.56667	12 14 13.89	+04 59 35.4			372
22P	2002 07 31.46875	12 40 16.33	+00 09 09.5	14.2	T	360
22P	2002 07 31.47145	12 40 16.59	+00 09 07.7			360

28P/Neujmin 1

28P	2002 07 31.48204	14 57 25.55	−35 27 11.2	17.4	N	360
28P	2002 07 31.48605	14 57 25.72	−35 27 10.6			360

29P/Schwassmann-Wachmann 1

29P	2002 07 06.57346	21 03 24.08	−17 42 32.6	12.5	T	349
29P	2002 07 06.57500	21 03 24.10	−17 42 33.1			349
29P	2002 07 06.57743	21 03 24.13	−17 42 34.0			349
29P	2002 07 06.58679	21 03 23.86	−17 42 31.8			349
29P	2002 07 17.95516	20 58 40.22	−17 53 19.4	15.8	N	213
29P	2002 07 17.96064	20 58 40.11	−17 53 19.3	15.8	N	213
29P	2002 07 17.96808	20 58 39.92	−17 53 20.4	15.9	N	170
29P	2002 07 18.07106	20 58 37.00	−17 53 26.2	16.0	T	620
29P	2002 07 18.07591	20 58 36.86	−17 53 26.7	15.3	T	620
29P	2002 07 18.08078	20 58 36.70	−17 53 27.0			620
29P	2002 07 18.08521	20 58 36.58	−17 53 27.2			620
29P	2002 07 20.04398	20 57 43.12	−17 55 31.5	16.1	T	613
29P	2002 07 20.06992	20 57 42.40	−17 55 32.9	16.2	T	613
29P	2002 07 20.07669	20 57 42.29	−17 55 33.1	16.1	T	613
29P	2002 07 20.08234	20 57 42.14	−17 55 33.5	16.2	T	613
29P	2002 07 21.05925	20 57 15.03	−17 56 35.7	15.6	N	468
29P	2002 07 21.06475	20 57 14.87	−17 56 36.2	15.5	N	468
29P	2002 07 21.06828	20 57 14.78	−17 56 36.4	15.6	N	468
29P	2002 07 21.57429	20 57 00.82	−17 57 09.2			340
29P	2002 07 21.58073	20 57 00.58	−17 57 09.7	16.6	N	340
29P	2002 07 23.10920	20 56 17.74	−17 58 47.5			844
29P	2002 07 23.11191	20 56 17.55	−17 58 48.0			844
29P	2002 07 23.14148	20 56 16.68	−17 58 48.1			844
29P	2002 07 26.95231	20 54 27.69	−18 03 02.9	15.3	N	213
29P	2002 07 26.95387	20 54 27.60	−18 03 02.1	15.3	N	213
29P	2002 07 26.95541	20 54 27.58	−18 03 01.3	15.3	N	213
29P	2002 07 27.06472	20 54 24.46	−18 03 09.3	15.5	T	232
29P	2002 07 27.06995	20 54 24.39	−18 03 08.8	15.5	T	232
29P	2002 07 27.07323	20 54 24.03	−18 03 11.0	15.3	T	232
29P	2002 07 28.04890	20 53 55.84	−18 04 14.4	15.5	T	613
29P	2002 07 28.06491	20 53 55.32	−18 04 15.7	15.8	T	613
29P	2002 07 28.08549	20 53 54.79	−18 04 16.5	16.1	T	613
29P	2002 07 28.28468	20 53 48.95	−18 04 28.7	14.1	T	844
29P	2002 07 28.31060	20 53 48.22	−18 04 30.7	14.2	T	844
29P	2002 07 28.33288	20 53 47.52	−18 04 31.6	14.5	T	844
29P	2002 07 28.34574	20 53 47.20	−18 04 32.1	14.4	T	844
29P	2002 07 29.01157	20 53 27.84	−18 05 18.2	15.5	T	613
29P	2002 07 29.03314	20 53 27.21	−18 05 19.7	15.5	T	613
29P	2002 07 29.03505	20 53 27.20	−18 05 19.9	15.4	T	170
29P	2002 07 29.05573	20 53 26.47	−18 05 20.9	15.7	T	613
29P	2002 07 29.07832	20 53 25.89	−18 05 22.6	15.6	T	613
29P	2002 07 29.92240	20 53 01.43	−18 06 18.6	15.2	N	213
29P	2002 07 29.92955	20 53 00.99	−18 06 20.9	15.2	N	213
29P	2002 07 30.04500	20 52 57.62	−18 06 26.0	15.7	T	613
29P	2002 07 30.05516	20 52 57.29	−18 06 27.2	15.8	T	613
29P	2002 07 30.07775	20 52 56.64	−18 06 28.1	15.6	T	613
29P	2002 07 31.56647	20 52 13.18	−18 08 06.7			340
29P	2002 07 31.57055	20 52 12.90	−18 08 07.3	16.9	N	340
29P	2002 08 01.10856	20 51 57.41	−18 08 38.9	18.0	T	859
29P	2002 08 01.11987	20 51 56.25	−18 08 45.0	18.3	T	859
29P	2002 08 01.13468	20 51 56.26	−18 08 45.0	17.9	T	859
29P	2002 08 03.09900	20 50 58.62	−18 10 51.3	13.0	T	859
29P	2002 08 03.09980	20 50 58.64	−18 10 51.6	13.0	T	859
29P	2002 08 03.11257	20 50 58.23	−18 10 51.9	13.0	T	859
29P	2002 08 03.13064	20 50 57.73	−18 10 52.8	12.9	T	859
29P	2002 08 03.13139	20 50 57.65	−18 10 53.4	13.0	T	859
29P	2002 08 04.00308	20 50 31.97	−18 11 51.1	12.2	N	170
29P	2002 08 04.02635	20 50 31.30	−18 11 52.6	12.4	N	213

29P	2002 08 04.02735	20 50 31.24	−18 11 52.7	12.4 N	213
29P	2002 08 04.02949	20 50 31.15	−18 11 52.8	12.4 N	213
29P	2002 08 04.03600	20 50 30.96	−18 11 53.1	12.4 N	213
29P	2002 08 04.03787	20 50 30.97	−18 11 53.4	12.5 N	232
29P	2002 08 04.04250	20 50 30.81	−18 11 53.5	12.5 N	232
29P	2002 08 04.04941	20 50 30.60	−18 11 53.9	12.5 N	232
29P	2002 08 04.07400	20 50 29.82	−18 11 55.7	12.7 N	J91
29P	2002 08 04.07457	20 50 29.81	−18 11 55.7	12.4 N	941
29P	2002 08 04.07584	20 50 29.81	−18 11 55.8	12.4 N	941
29P	2002 08 04.07723	20 50 29.77	−18 11 55.9	12.4 N	941
29P	2002 08 04.07943	20 50 29.73	−18 11 56.0	12.4 N	941
29P	2002 08 04.92644	20 50 04.87	−18 12 51.5	12.2 N	952
29P	2002 08 04.94751	20 50 04.20	−18 12 52.6	12.1 N	952
29P	2002 08 04.95758	20 50 03.95	−18 12 53.4	12.1 N	952
29P	2002 08 04.95961	20 50 03.69	−18 12 54.2	12.1 N	458
29P	2002 08 04.96486	20 50 03.66	−18 12 53.6	13.2 T	442
29P	2002 08 04.96661	20 50 03.67	−18 12 53.3	13.2 T	442
29P	2002 08 04.97217	20 50 03.53	−18 12 54.0	13.2 T	442
29P	2002 08 04.97594	20 50 03.11	−18 12 56.8	12.1 N	458
29P	2002 08 04.98677	20 50 03.09	−18 12 55.3	12.1 N	952
29P	2002 08 05.54110	20 49 46.79	−18 13 30.5		340
29P	2002 08 05.54410	20 49 46.72	−18 13 30.6		340
29P	2002 08 05.54574	20 49 46.64	−18 13 31.1	13.3 T	340
29P	2002 08 05.62449	20 49 44.27	−18 13 35.4	11.5 T	360
29P	2002 08 05.62792	20 49 44.16	−18 13 35.5		360
29P	2002 08 05.64059	20 49 43.77	−18 13 36.2	13.4 N	379
29P	2002 08 05.64433	20 49 43.68	−18 13 37.2		349
29P	2002 08 05.64459	20 49 43.65	−18 13 37.4	13.4 N	379
29P	2002 08 05.64550	20 49 43.63	−18 13 37.3		349
29P	2002 08 05.64623	20 49 43.66	−18 13 37.1	13.4 N	379
29P	2002 08 05.64656	20 49 43.60	−18 13 37.1		349
29P	2002 08 05.64753	20 49 43.58	−18 13 37.5	12.3 T	349
29P	2002 08 05.64869	20 49 43.54	−18 13 37.3	13.2 N	379
29P	2002 08 05.96884	20 49 34.20	−18 13 58.9	11.9 T	939
29P	2002 08 05.97463	20 49 34.02	−18 13 59.1	11.9 T	939
29P	2002 08 05.98044	20 49 33.85	−18 13 59.4	11.9 T	939
29P	2002 08 06.08719	20 49 30.72	−18 14 04.9	12.9 T	859
29P	2002 08 06.12436	20 49 29.65	−18 14 06.9	13.0 T	859
29P	2002 08 06.13815	20 49 29.20	−18 14 08.1	12.9 T	859
29P	2002 08 06.62253	20 49 14.96	−18 14 39.3		340
29P	2002 08 06.62824	20 49 14.79	−18 14 39.9	12.8 T	340
29P	2002 08 06.95980	20 49 05.07	−18 15 00.7	13.1 N	170
29P	2002 08 06.97873	20 49 04.51	−18 15 01.3	13.7 N	613
29P	2002 08 06.98027	20 49 04.54	−18 15 01.1	12.6 N	952
29P	2002 08 06.98324	20 49 04.36	−18 15 02.3	13.6 N	613
29P	2002 08 06.98843	20 49 04.29	−18 15 03.4	12.6 N	952
29P	2002 08 06.99323	20 49 04.08	−18 15 02.3	13.6 N	613
29P	2002 08 06.99907	20 49 03.99	−18 15 04.2	12.7 N	952
29P	2002 08 07.00120	20 49 03.86	−18 15 03.9	13.9 T	620
29P	2002 08 07.00363	20 49 03.78	−18 15 04.0	13.1 T	620
29P	2002 08 07.00522	20 49 03.75	−18 15 02.8	12.6 N	952
29P	2002 08 07.00917	20 49 03.62	−18 15 04.2		620
29P	2002 08 07.01090	20 49 03.58	−18 15 04.3		620
29P	2002 08 07.62588	20 48 45.55	−18 15 42.0	11.4 T	360
29P	2002 08 07.62848	20 48 45.47	−18 15 42.2		360
29P	2002 08 07.90492	20 48 37.47	−18 16 00.3	13.4 N	232
29P	2002 08 07.90954	20 48 37.23	−18 15 59.6	13.5 N	213
29P	2002 08 07.91491	20 48 37.12	−18 16 00.3	13.5 N	213
29P	2002 08 07.91576	20 48 37.03	−18 16 00.6	13.5 N	213
29P	2002 08 07.93242	20 48 36.59	−18 16 01.7	13.6 N	170
29P	2002 08 08.28751	20 48 26.34	−18 16 25.2	11.6 T	644
29P	2002 08 08.30878	20 48 25.69	−18 16 26.5	11.6 T	644
29P	2002 08 08.32969	20 48 25.09	−18 16 27.7	11.7 T	644
29P	2002 08 08.63628	20 48 16.06	−18 16 44.1	14.2 N	379
29P	2002 08 08.64432	20 48 15.74	−18 16 46.0	14.6 N	379
29P	2002 08 08.64539	20 48 15.74	−18 16 45.9	14.1 N	379
29P	2002 08 08.64685	20 48 15.74	−18 16 44.6	14.2 N	379
29P	2002 08 08.88285	20 48 08.86	−18 17 00.4	14.0 N	213
29P	2002 08 08.88687	20 48 08.75	−18 17 00.8	14.0 N	213
29P	2002 08 08.88841	20 48 08.67	−18 17 00.2	14.0 N	213
29P	2002 08 09.06112	20 48 03.49	−18 17 12.4	13.8 N	J91
29P	2002 08 09.06688	20 48 03.45	−18 17 13.1	13.8 N	J91
29P	2002 08 10.93692	20 47 09.24	−18 19 04.2	13.8 N	952
29P	2002 08 10.94318	20 47 09.09	−18 19 06.3	13.8 N	952
29P	2002 08 10.94619	20 47 08.92	−18 19 05.7	13.8 N	952
29P	2002 08 10.95914	20 47 08.56	−18 19 06.5	13.8 N	458
29P	2002 08 10.97268	20 47 08.16	−18 19 08.3	13.8 N	458
29P	2002 08 10.99147	20 47 07.58	−18 19 07.9	13.9 N	170
29P	2002 08 11.07119	20 47 05.45	−18 19 11.6	13.0 T	859
29P	2002 08 11.08591	20 47 05.13	−18 19 14.5	13.9 T	859
29P	2002 08 11.11219	20 47 04.34	−18 19 18.9	13.0 T	859
29P	2002 08 11.92752	20 46 40.61	−18 20 04.4	14.1 N	170
29P	2002 08 12.04038	20 46 37.37	−18 20 10.9	14.6 T	620
29P	2002 08 12.04661	20 46 37.18	−18 20 11.1	13.9 T	620
29P	2002 08 12.04765	20 46 37.15	−18 20 11.0		620
29P	2002 08 12.04868	20 46 37.13	−18 20 11.0		620
29P	2002 08 12.87567	20 46 13.44	−18 20 58.2	14.0 N	232
29P	2002 08 12.88028	20 46 13.41	−18 20 59.8	14.0 N	232
29P	2002 08 12.88488	20 46 13.20	−18 21 00.1	14.0 N	232
29P	2002 08 12.96709	20 46 10.89	−18 21 04.7	14.2 N	235
29P	2002 08 14.93414	20 45 15.15	−18 22 55.7	15.7 N	215
29P	2002 08 14.93473	20 45 15.14	−18 22 55.8	15.7 N	215
29P	2002 08 14.93527	20 45 15.11	−18 22 55.9	15.9 N	215

36P/Whipple

36P	2002 07 21.37426	21 48 22.67	−03 32 29.9	19.9 T	644
36P	2002 07 21.38946	21 48 22.26	−03 32 31.5	20.1 T	644
36P	2002 07 21.40225	21 48 21.94	−03 32 33.2	19.7 T	644
36P	2002 08 07.66569	21 39 35.39	−04 29 33.4	19.3 T	360
36P	2002 08 07.67127	21 39 35.21	−04 29 34.1		360
36P	2002 08 07.90584	21 39 27.13	−04 30 34.7		170

46P/Wirtanen

46P	2002 07 07.76324	04 04 44.74	+13 50 29.7		349
46P	2002 07 07.76773	04 04 46.01	+13 50 33.4		349
46P	2002 07 07.77071	04 04 46.71	+13 50 36.2	15.7 T	349
46P	2002 07 20.76668	04 58 46.28	+17 03 31.5		349

46P	2002 07 20.76768	04 58 46.55	+17 03 31.0			349
46P	2002 07 20.76867	04 58 46.92	+17 03 31.9			349
46P	2002 07 20.77076	04 58 47.46	+17 03 34.1	14.4	T	349
46P	2002 07 22.09686	05 04 32.22	+17 20 46.6	14.1	T	470
46P	2002 07 22.09897	05 04 32.86	+17 20 47.9	14.2	T	470
46P	2002 07 22.10071	05 04 33.61	+17 20 48.8	14.2	T	470
46P	2002 07 22.10215	05 04 33.95	+17 20 49.0	14.0	T	470
46P	2002 08 06.77645	06 15 06.07	+19 56 14.9			349
46P	2002 08 06.77785	06 15 06.47	+19 56 14.2			349
46P	2002 08 06.77934	06 15 06.94	+19 56 15.7			349
46P	2002 08 06.78066	06 15 07.29	+19 56 16.9	13.7	T	349
46P	2002 08 08.76924	06 24 18.08	+20 08 48.6			349
46P	2002 08 08.77075	06 24 18.54	+20 08 48.9			349
46P	2002 08 08.77212	06 24 18.95	+20 08 49.6			349
46P	2002 08 08.77345	06 24 19.30	+20 08 50.4	13.0	T	349
46P	2002 08 10.77887	06 33 36.17	+20 19 41.1			349
46P	2002 08 10.78120	06 33 36.78	+20 19 41.3			349
46P	2002 08 10.78221	06 33 37.10	+20 19 42.0			349
46P	2002 08 10.78326	06 33 37.42	+20 19 42.2	12.6	T	349
46P	2002 08 11.12833	06 35 13.27	+20 21 22.6	14.1	N	170
46P	2002 08 11.13002	06 35 13.85	+20 21 23.0	14.1	N	170
46P	2002 08 11.15443	06 35 20.61	+20 21 30.2	13.6	N	213
46P	2002 08 11.15535	06 35 20.84	+20 21 30.5	13.6	N	213
46P	2002 08 11.15633	06 35 21.09	+20 21 30.7	13.6	N	213
46P	2002 08 11.16041	06 35 22.21	+20 21 32.8	13.6	N	213
46P	2002 08 12.14157	06 39 55.04	+20 25 59.7	14.4	T	620
46P	2002 08 12.14830	06 39 56.96	+20 26 01.7	13.5	T	620
46P	2002 08 12.15037	06 39 57.52	+20 26 02.1			620
46P	2002 08 12.15141	06 39 57.82	+20 26 02.5			620
46P	2002 08 12.15211	06 39 58.01	+20 26 02.7	14.1	N	170
46P	2002 08 12.15450	06 39 58.69	+20 26 03.1	14.1	N	170
46P	2002 08 12.15691	06 39 59.35	+20 26 03.5	14.1	N	170
46P	2002 08 14.10418	06 49 01.16	+20 33 39.8	13.9	N	235

57P/du Toit-Neujmin-Delporte

57P-A	2002 07 06.56419	20 05 48.22	−13 39 40.7	15.1	T	349
57P-A	2002 07 06.56539	20 05 48.26	−13 39 39.9			349
57P-A	2002 07 06.56687	20 05 48.19	−13 39 40.8			349
57P-A	2002 07 06.56822	20 05 48.17	−13 39 40.5			349
57P-A	2002 07 17.50082	20 03 28.83	−13 46 02.7			568
57P-C	2002 07 17.50082	20 03 24.90	−13 46 15.9	22.0	T	568
57P-D	2002 07 17.50082	20 03 17.25	−13 46 35.9	21.0	N	568
57P-A	2002 07 17.50720	20 03 28.71	−13 46 03.1			568
57P-C	2002 07 17.50720	20 03 24.76	−13 46 16.5			568
57P-D	2002 07 17.50720	20 03 17.11	−13 46 36.5	20.9	N	568
57P-B	2002 07 17.51584	20 02 30.56	−13 48 44.6	19.8	N	568
57P-G	2002 07 17.51584	20 02 40.12	−13 48 17.9	22.4	T	568
57P-I	2002 07 17.51584	20 02 35.96	−13 48 32.4	22.8	T	568
57P-J	2002 07 17.51584	20 02 32.97	−13 48 40.2	22.7	T	568
57P-K	2002 07 17.51584	20 02 28.64	−13 48 50.9	23.5	T	568
57P-L	2002 07 17.51584	20 02 28.36	−13 48 46.4	23.5	T	568
57P-N	2002 07 17.51584	20 02 18.57	−13 49 17.4	23.4	T	568
57P-B	2002 07 17.52054	20 02 30.45	−13 48 45.1	19.8	N	568
57P-G	2002 07 17.52054	20 02 40.04	−13 48 18.2	22.5	T	568
57P-I	2002 07 17.52054	20 02 35.85	−13 48 32.9	22.8	T	568
57P-J	2002 07 17.52054	20 02 32.87	−13 48 40.8	23.4	T	568
57P-K	2002 07 17.52054	20 02 28.51	−13 48 51.1			568
57P-L	2002 07 17.52054	20 02 28.24	−13 48 46.6	23.4	T	568
57P-C	2002 07 17.52906	20 03 24.32	−13 46 18.4	22.1	T	568
57P-D	2002 07 17.52906	20 03 16.67	−13 46 38.4	20.8	N	568
57P-E	2002 07 17.52906	20 03 11.66	−13 46 52.7	20.7	N	568
57P-F	2002 07 17.52906	20 03 04.04	−13 47 11.2	20.0	N	568
57P-C	2002 07 17.53376	20 03 24.20	−13 46 18.8	22.0	T	568
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57P-E	2002 07 17.53376	20 03 11.57	−13 46 53.2	20.7	N	568
57P-F	2002 07 17.53376	20 03 03.93	−13 47 11.6	20.0	N	568
57P-F	2002 07 17.53933	20 03 03.82	−13 47 12.0	20.0	N	568
57P-G	2002 07 17.53933	20 02 39.65	−13 48 19.6	22.5	T	568
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57P-P	2002 07 17.55086	20 02 04.18	−13 49 56.1	22.8	T	568
57P-M	2002 07 17.55558	20 02 18.35	−13 49 17.4			568
57P-N	2002 07 17.55558	20 02 17.70	−13 49 21.2	23.3	T	568
57P-O	2002 07 17.55558	20 02 13.58	−13 49 35.6	20.8	N	568
57P-P	2002 07 17.55558	20 02 04.06	−13 49 56.2	22.6	T	568
57P-P	2002 07 17.56266	20 02 03.96	−13 49 56.5	22.5	T	568
57P-Q	2002 07 17.56266	20 01 51.97	−13 50 29.0			568
57P-R	2002 07 17.56266	20 01 51.51	−13 50 32.5	23.2	T	568
57P-S	2002 07 17.56266	20 01 50.92	−13 50 34.4	21.6	N	568
57P-T	2002 07 17.56266	20 01 38.15	−13 51 10.0	22.9	T	568
57P-P	2002 07 17.56736	20 02 03.86	−13 49 56.6	22.7	T	568
57P-R	2002 07 17.56736	20 01 51.40	−13 50 32.7	23.1	T	568
57P-S	2002 07 17.56736	20 01 50.81	−13 50 35.0	21.4	N	568
57P-T	2002 07 17.56736	20 01 38.00	−13 51 10.3	22.9	T	568
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57P-A	2002 07 17.92387	20 03 22.51	−13 46 43.1	15.0	N	213
57P-A	2002 07 17.94556	20 03 21.99	−13 46 45.0	15.0	N	213
57P-A	2002 07 17.94888	20 03 22.00	−13 46 45.3	14.8	N	170
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57P-A	2002 07 18.01293	20 03 20.64	−13 46 51.2	14.8	T	620
57P-A	2002 07 18.02082	20 03 20.48	−13 46 51.9	13.9	T	620
57P-A	2002 07 18.03102	20 03 20.26	−13 46 52.8			620
57P-A	2002 07 18.03828	20 03 20.11	−13 46 53.5			620
57P-A	2002 07 18.40222	20 03 14.59	−13 47 24.4			568
57P-C	2002 07 18.40222	20 03 10.63	−13 47 38.0	22.1	T	568
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57P-A	2002 07 18.40905	20 03 14.43	−13 47 25.0			568
57P-C	2002 07 18.40905	20 03 10.47	−13 47 38.3	22.2	T	568
57P-D	2002 07 18.40905	20 03 02.83	−13 47 58.3	21.2	N	568
57P-E	2002 07 18.41844	20 02 57.60	−13 48 13.9	20.5	N	568
57P-F	2002 07 18.41844	20 02 49.96	−13 48 32.4	19.8	N	568
57P-E	2002 07 18.42722	20 02 57.41	−13 48 14.8	20.6	N	568
57P-F	2002 07 18.42722	20 02 49.76	−13 48 33.4	19.8	N	568

57P-G	2002 07 18.43663	20 02 25.36	−13 49 42.0	22.4	T	568
57P-H	2002 07 18.43663	20 02 22.87	−13 49 49.8	22.1	T	568
57P-I	2002 07 18.43663	20 02 21.07	−13 49 58.2			568
57P-J	2002 07 18.43663	20 02 18.20	−13 50 04.8	22.6	T	568
57P-G	2002 07 18.44385	20 02 25.19	−13 49 42.8	22.3	T	568
57P-H	2002 07 18.44385	20 02 22.73	−13 49 50.5	22.1	T	568
57P-I	2002 07 18.44385	20 02 20.86	−13 49 59.0	22.0	T	568
57P-J	2002 07 18.44385	20 02 18.03	−13 50 05.5			568
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57P-O	2002 07 18.46199	20 01 59.02	−13 50 59.4	20.8	N	568
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57P-R	2002 07 18.47044	20 01 36.87	−13 51 56.6	22.4	T	568
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57P-Q	2002 07 18.47785	20 01 37.18	−13 51 53.6	21.7	N	568
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57P-T	2002 07 18.54755	20 01 21.82	−13 52 40.6			568
57P-T	2002 07 18.55507	20 01 21.65	−13 52 41.6	23.3	T	568
57P-A	2002 07 19.95569	20 02 48.52	−13 50 05.2			557
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57P-A	2002 07 20.60076	20 02 37.67	−13 51 14.6			349
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57P-A	2002 07 21.22542	20 02 27.30	−13 52 25.4	13.6	T	644
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57P-A	2002 07 27.03194	20 00 51.04	−14 05 43.2	14.9	T	170
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57P-A	2002 07 27.07947	20 00 50.01	−14 05 52.6	14.9	T	232
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57P-A	2002 07 28.87916	20 00 23.06	−14 10 44.1	14.2	N	235
57P-A	2002 07 28.99922	20 00 21.02	−14 11 04.6	15.2	N	613
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57P-A	2002 07 31.01807	19 59 52.53	−14 16 50.3			204
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57P-F	2002 08 07.26284	19 58 13.98	−14 40 50.4	20.1	T	644
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57P-A	2002 08 12.02470	19 58 28.84	−14 55 23.6			620
57P-A	2002 08 12.02677	19 58 28.82	−14 55 23.8			620
57P-A	2002 08 14.90877	19 58 39.24	−15 04 57.9	15.3	N	215
57P-A	2002 08 14.90941	19 58 39.26	−15 04 58.0	15.3	N	215
57P-A	2002 08 14.90992	19 58 39.25	−15 04 58.0	15.2	N	215

65P/Gunn

65P	2002 03 11.53438	11 26 16.60	+19 24 56.1	16.0	T	372
65P	2002 03 11.54514	11 26 16.03	+19 24 59.2			372
65P	2002 07 22.91242	11 49 36.79	+09 27 28.0			844
65P	2002 07 22.91552	11 49 37.12	+09 27 25.0			844
65P	2002 07 22.95485	11 49 39.64	+09 27 01.6			844

67P/Churyumov-Gerasimenko

67P	2002 07 11.76156	04 08 02.13	+19 10 51.2	14.2	T	349
67P	2002 07 11.76968	04 08 03.96	+19 10 57.6			349
67P	2002 07 12.74766	04 11 39.78	+19 24 24.9			349
67P	2002 07 12.75204	04 11 40.75	+19 24 27.0			349
67P	2002 07 12.75343	04 11 41.07	+19 24 28.4			349
67P	2002 07 12.75487	04 11 41.33	+19 24 29.1			349
67P	2002 07 20.75290	04 41 40.47	+21 04 59.4			349
67P	2002 07 20.75421	04 41 40.77	+21 05 00.3			349
67P	2002 07 20.75525	04 41 41.02	+21 05 02.0			349
67P	2002 07 20.75631	04 41 41.25	+21 05 02.6	14.2	T	349
67P	2002 08 12.10162	06 09 03.73	+23 58 59.6	14.0	T	170
67P	2002 08 12.10279	06 09 03.98	+23 58 59.8	14.0	T	170
67P	2002 08 12.10594	06 09 04.74	+23 59 01.1	14.0	T	170
67P	2002 08 14.08785	06 16 54.21	+24 05 55.1	14.2	N	235

77P/Longmore

77P	2002 03 11.51285	11 00 03.73	+31 11 05.2	16.5	T	372
77P	2002 03 11.52292	11 00 02.84	+31 11 01.5			372

89P/Russell 2

89P	2002 08 14.37393	23 47 23.71	−20 19 24.1	18.2	T	704
89P	2002 08 14.38928	23 47 23.01	−20 19 25.4	19.0	T	704
89P	2002 08 14.40440	23 47 22.54	−20 19 31.6	18.8	T	704
89P	2002 08 14.41954	23 47 22.08	−20 19 33.8	19.2	T	704
89P	2002 08 14.43467	23 47 21.51	−20 19 37.1	18.5	T	704

92P/Sanguin

92P	2002 07 19.02006	21 41 03.86	+14 15 04.2	16.8	T	939
92P	2002 07 19.02778	21 41 03.99	+14 15 04.8	16.8	T	939
92P	2002 07 19.03161	21 41 04.04	+14 15 05.1	16.9	T	939
92P	2002 07 19.96943	21 41 22.32	+14 15 53.2	17.5	T	939
92P	2002 07 19.97091	21 41 22.45	+14 15 53.7	16.2	N	213
92P	2002 07 19.97522	21 41 22.51	+14 15 55.6	17.9	T	939
92P	2002 07 19.98029	21 41 22.57	+14 15 54.1	16.2	N	213
92P	2002 07 19.98102	21 41 22.69	+14 15 57.4	17.9	T	939
92P	2002 07 20.67873	21 41 35.29	+14 16 18.5			349
92P	2002 07 20.68126	21 41 35.32	+14 16 18.4			349
92P	2002 07 20.68795	21 41 35.42	+14 16 18.6			349
92P	2002 07 20.69066	21 41 35.49	+14 16 18.4	16.2	T	349
92P	2002 07 21.97772	21 41 58.15	+14 16 25.4	16.2	T	470
92P	2002 07 21.98634	21 41 58.29	+14 16 25.9	16.4	T	470
92P	2002 07 21.99201	21 41 58.32	+14 16 26.5	16.2	T	470
92P	2002 07 23.99337	21 42 30.11	+14 15 08.9	16.8	T	458
92P	2002 07 24.00259	21 42 30.05	+14 15 06.3	16.8	T	458
92P	2002 07 26.36757	21 43 02.58	+14 11 18.3	15.5	T	644
92P	2002 07 26.37800	21 43 02.67	+14 11 16.9	15.5	T	644
92P	2002 07 26.38846	21 43 02.78	+14 11 15.4	15.6	T	644
92P	2002 07 26.96251	21 43 10.09	+14 09 53.3	16.3	N	213
92P	2002 07 26.96853	21 43 10.19	+14 09 52.1	16.3	N	213
92P	2002 07 26.97008	21 43 10.22	+14 09 51.8	16.3	N	213
92P	2002 07 27.01419	21 43 10.60	+14 09 45.4	16.2	T	170
92P	2002 07 28.05957	21 43 22.36	+14 06 50.6	16.0	T	232
92P	2002 07 28.06617	21 43 22.50	+14 06 51.3	16.1	T	232
92P	2002 07 28.07179	21 43 22.60	+14 06 50.5	16.1	T	232
92P	2002 08 03.98596	21 44 19.11	+13 33 42.1	16.1	T	939
92P	2002 08 03.98986	21 44 19.13	+13 33 41.3	16.2	T	939
92P	2002 08 03.99566	21 44 19.18	+13 33 39.5	16.1	T	939
92P	2002 08 04.04459	21 44 19.16	+13 33 18.6	15.9	N	213
92P	2002 08 04.05160	21 44 19.22	+13 33 15.8	15.9	N	213
92P	2002 08 04.05556	21 44 19.27	+13 33 14.9	15.9	N	213
92P	2002 08 04.06573	21 44 19.16	+13 33 09.6			A46
92P	2002 08 04.06686	21 44 19.20	+13 33 09.1			A46
92P	2002 08 04.06911	21 44 19.22	+13 33 07.6			A46
92P	2002 08 04.07024	21 44 19.17	+13 33 07.9			A46
92P	2002 08 04.07137	21 44 19.17	+13 33 06.6			A46
92P	2002 08 04.07250	21 44 19.17	+13 33 06.8			A46
92P	2002 08 04.07363	21 44 19.23	+13 33 05.9			A46
92P	2002 08 04.07475	21 44 19.23	+13 33 05.6			A46
92P	2002 08 04.07588	21 44 19.21	+13 33 05.7			A46
92P	2002 08 04.29462	21 44 20.74	+13 31 40.7	16.9	T	704
92P	2002 08 04.32519	21 44 20.91	+13 31 29.2	18.6	T	704
92P	2002 08 04.34044	21 44 20.95	+13 31 22.3	19.3	T	704
92P	2002 08 04.35570	21 44 20.88	+13 31 11.9	17.7	T	704
92P	2002 08 04.99109	21 44 24.32	+13 26 46.3	16.1	T	458
92P	2002 08 05.01394	21 44 24.32	+13 26 36.7	16.1	T	458
92P	2002 08 05.63523	21 44 27.13	+13 22 04.8	14.8	T	360
92P	2002 08 05.63815	21 44 27.14	+13 22 04.3			360
92P	2002 08 06.00390	21 44 28.73	+13 19 16.8	15.9	T	939
92P	2002 08 06.00968	21 44 28.76	+13 19 14.1	15.8	T	939
92P	2002 08 06.01551	21 44 28.81	+13 19 11.5	15.9	T	939
92P	2002 08 06.13980	21 44 29.30	+13 18 21.6	15.4	T	859
92P	2002 08 06.15785	21 44 29.00	+13 18 10.0	15.2	T	859
92P	2002 08 06.17124	21 44 29.10	+13 18 07.7	15.3	T	859
92P	2002 08 06.92071	21 44 32.63	+13 11 59.0	16.1	T	170
92P	2002 08 06.92487	21 44 32.66	+13 11 56.6	16.1	T	170
92P	2002 08 07.00546	21 44 32.64	+13 11 15.6	16.0	N	613
92P	2002 08 07.00883	21 44 32.64	+13 11 13.8	16.0	N	613
92P	2002 08 07.01108	21 44 32.63	+13 11 12.9	16.0	N	613
92P	2002 08 07.89515	21 44 36.00	+13 03 43.3	16.0	T	170
92P	2002 08 07.89859	21 44 36.05	+13 03 41.2	16.0	T	170
92P	2002 08 07.97198	21 44 35.97	+13 03 03.1	15.1	T	232
92P	2002 08 07.99671	21 44 35.96	+13 02 49.7	15.1	T	232
92P	2002 08 08.64907	21 44 37.84	+12 57 00.0	16.0	N	379
92P	2002 08 08.65073	21 44 37.88	+12 56 58.9	16.0	N	379
92P	2002 08 08.65251	21 44 37.86	+12 56 58.2	15.7	N	379
92P	2002 08 08.66049	21 44 37.92	+12 56 54.1	16.5	N	379
92P	2002 08 10.66005	21 44 42.61	+12 37 28.5	15.5	N	379
92P	2002 08 10.66530	21 44 42.61	+12 37 25.0	15.6	N	379
92P	2002 08 10.92845	21 44 43.41	+12 34 39.8	15.7	T	458
92P	2002 08 10.94216	21 44 43.20	+12 34 29.6	15.8	T	458
92P	2002 08 11.12262	21 44 43.72	+12 32 48.1	16.2	T	859
92P	2002 08 11.13294	21 44 43.10	+12 32 41.6	16.7	T	859
92P	2002 08 11.99534	21 44 45.16	+12 23 17.7	15.7	T	952
92P	2002 08 11.99936	21 44 45.12	+12 23 14.2	15.7	T	952
92P	2002 08 13.15759	21 44 47.11	+12 10 08.3	15.5	T	699
92P	2002 08 13.17512	21 44 47.10	+12 09 55.0			699
92P	2002 08 13.19265	21 44 47.15	+12 09 44.0			699
92P	2002 08 13.22837	21 44 47.22	+12 09 18.4			642
92P	2002 08 13.23288	21 44 47.13	+12 09 14.1			642
92P	2002 08 13.28322	21 44 46.98	+12 08 40.9			699
92P	2002 08 13.92976	21 44 48.16	+12 00 54.2	15.5	T	232
92P	2002 08 14.24245	21 44 48.38	+11 57 11.3			642
92P	2002 08 14.24904	21 44 48.38	+11 57 06.1			642
92P	2002 08 14.26044	21 44 48.35	+11 56 58.0			642
92P	2002 08 14.30937	21 44 48.22	+11 56 24.7	14.4	T	644
92P	2002 08 14.33032	21 44 48.19	+11 56 09.4	14.5	T	644
92P	2002 08 14.35126	21 44 48.09	+11 55 53.7	14.5	T	644
92P	2002 08 14.97485	21 44 48.92	+11 48 06.3	15.9	N	215
92P	2002 08 14.97556	21 44 48.92	+11 48 05.8	15.9	N	215
92P	2002 08 14.97608	21 44 48.91	+11 48 05.4	15.9	N	215
92P	2002 08 15.02068	21 44 48.87	+11 47 31.5	16.2	N	636
92P	2002 08 15.02461	21 44 48.87	+11 47 28.5	16.4	N	636
92P	2002 08 15.02853	21 44 48.87	+11 47 25.5	16.0	N	636
92P	2002 08 15.19699	21 44 49.29	+11 45 18.3			762
92P	2002 08 15.20078	21 44 49.28	+11 45 15.2			762

92P	2002 08 15.20786	21 44 49.25	+11 45 10.1			762
92P	2002 08 15.21468	21 44 49.44	+11 45 03.7			642
92P	2002 08 15.22707	21 44 49.46	+11 44 54.1			642
92P	2002 08 15.23442	21 44 49.47	+11 44 49.0			642

153P/Ikeya-Zhang

153P	2002 03 20.81233	01 26 38.34	+21 45 48.2			006
153P	2002 03 20.81545	01 26 38.33	+21 46 02.5			006
153P	2002 03 20.81875	01 26 38.22	+21 46 17.7			006
153P	2002 03 24.82413	01 23 25.85	+27 04 15.7			006
153P	2002 04 21.82431	21 55 38.08	+60 34 36.8			006
153P	2002 04 21.83299	21 55 29.33	+60 34 52.7			006
153P	2002 04 21.83889	21 55 23.40	+60 35 03.3			006
153P	2002 04 21.84722	21 55 14.95	+60 35 18.5			006
153P	2002 04 21.85347	21 55 08.66	+60 35 30.0			006
153P	2002 04 21.86111	21 55 00.93	+60 35 44.0			006
153P	2002 04 21.86597	21 54 56.06	+60 35 52.8			006
153P	2002 04 23.94236	21 18 07.28	+61 20 40.8			006
153P	2002 04 23.94931	21 17 59.68	+61 20 46.6			006
153P	2002 04 23.95625	21 17 52.13	+61 20 52.1			006
153P	2002 04 23.96319	21 17 44.54	+61 20 57.9			006
153P	2002 04 23.97014	21 17 36.95	+61 21 03.6			006
153P	2002 04 25.95035	20 40 44.02	+61 26 42.8			006
153P	2002 04 25.96354	20 40 29.18	+61 26 38.7			006
153P	2002 04 30.91267	19 11 34.10	+58 56 55.9			006
153P	2002 04 30.91945	19 11 27.49	+58 56 35.3			006
153P	2002 04 30.92517	19 11 21.80	+58 56 18.1			006
153P	2002 04 30.93073	19 11 16.34	+58 56 01.1			006
153P	2002 04 30.93629	19 11 10.89	+58 55 44.4			006
153P	2002 04 30.94184	19 11 05.41	+58 55 27.3			006
153P	2002 05 01.03906	19 09 29.62	+58 50 33.9	9.7	T	442
153P	2002 05 16.87812	16 32 30.69	+37 15 33.2			006
153P	2002 05 16.88507	16 32 28.50	+37 14 58.0			006
153P	2002 05 16.89201	16 32 26.31	+37 14 22.5			006
153P	2002 05 16.89896	16 32 24.11	+37 13 46.9			006
153P	2002 05 16.90660	16 32 21.72	+37 13 08.0			006
153P	2002 05 16.91354	16 32 19.53	+37 12 32.7			006
153P	2002 05 16.92049	16 32 17.32	+37 11 57.1			006
153P	2002 05 20.85868	16 14 31.28	+31 47 44.5			006
153P	2002 05 20.86563	16 14 29.64	+31 47 11.9			006
153P	2002 05 20.87257	16 14 28.01	+31 46 39.9			006
153P	2002 05 20.87951	16 14 26.34	+31 46 07.2			006
153P	2002 05 20.88646	16 14 24.68	+31 45 34.7			006
153P	2002 06 01.00546	15 43 39.48	+19 16 48.8	11.6	T	442
153P	2002 06 14.85910	15 26 48.96	+08 43 16.8	12.4	T	442
153P	2002 06 15.92291	15 26 06.55	+08 04 51.7	12.5	T	442
153P	2002 07 07.61582	15 22 36.32	−01 38 56.7	11.3	T	349
153P	2002 07 07.61690	15 22 36.33	−01 38 58.1			349
153P	2002 07 07.61808	15 22 36.34	−01 38 59.2			349
153P	2002 07 07.61911	15 22 36.33	−01 39 00.9			349
153P	2002 07 07.91481	15 22 40.02	−01 45 03.0			J91
153P	2002 07 07.92706	15 22 40.12	−01 45 17.3			J91
153P	2002 07 14.51796	15 24 31.19	−03 49 50.3			349
153P	2002 07 14.52109	15 24 31.29	−03 49 53.3			349
153P	2002 07 14.52260	15 24 31.31	−03 49 54.8			349
153P	2002 07 14.52442	15 24 31.34	−03 49 57.0	11.8	T	349
153P	2002 07 17.15653	15 25 31.44	−04 35 11.4	15.4	N	762
153P	2002 07 17.16339	15 25 31.58	−04 35 18.5	15.4	N	762
153P	2002 07 17.16815	15 25 31.73	−04 35 23.2	15.7	N	762
153P	2002 07 17.18839	15 25 32.14	−04 35 42.5	15.5	N	762
153P	2002 07 17.85375	15 25 48.76	−04 46 46.9	14.6	N	213
153P	2002 07 17.85501	15 25 48.83	−04 46 49.3	14.6	N	170
153P	2002 07 17.85617	15 25 48.87	−04 46 50.2	14.6	N	213
153P	2002 07 17.85785	15 25 48.86	−04 46 51.4	14.6	N	170
153P	2002 07 17.87073	15 25 49.18	−04 47 04.5	14.5	T	J91
153P	2002 07 17.92612	15 25 50.63	−04 47 59.6			A46
153P	2002 07 17.93148	15 25 50.66	−04 48 05.8			A46
153P	2002 07 17.93326	15 25 50.78	−04 48 06.2			A46
153P	2002 07 17.93772	15 25 50.85	−04 48 10.2			A46
153P	2002 07 17.95500	15 25 51.22	−04 48 27.5	14.2	N	620
153P	2002 07 17.95672	15 25 51.26	−04 48 29.2	13.2	T	620
153P	2002 07 17.95846	15 25 51.30	−04 48 30.8			620
153P	2002 07 17.96520	15 25 51.45	−04 48 37.2			620
153P	2002 07 17.98630	15 25 52.43	−04 48 59.0	14.5	T	J91
153P	2002 07 18.86138	15 26 14.75	−05 03 16.4			170
153P	2002 07 19.87352	15 26 41.81	−05 19 31.2	14.7	T	939
153P	2002 07 19.87942	15 26 41.97	−05 19 36.8	14.6	T	939
153P	2002 07 19.88529	15 26 42.14	−05 19 42.3	14.6	T	939
153P	2002 07 19.89463	15 26 42.40	−05 19 51.9	15.1	N	613
153P	2002 07 19.90172	15 26 42.56	−05 20 02.2	15.2	N	613
153P	2002 07 19.91560	15 26 42.85	−05 20 11.2	15.1	N	613
153P	2002 07 20.50150	15 26 59.14	−05 29 27.6	12.6	T	349
153P	2002 07 20.50412	15 26 59.22	−05 29 29.6			349
153P	2002 07 20.50795	15 26 59.33	−05 29 33.9			349
153P	2002 07 20.50953	15 26 59.37	−05 29 35.1			349
153P	2002 07 20.88295	15 27 09.87	−05 35 26.5			A46
153P	2002 07 20.88385	15 27 10.00	−05 35 26.1			A46
153P	2002 07 20.88564	15 27 10.07	−05 35 27.7			A46
153P	2002 07 20.88652	15 27 10.10	−05 35 28.8			A46
153P	2002 07 20.88742	15 27 10.08	−05 35 30.3			A46
153P	2002 07 20.88922	15 27 10.11	−05 35 32.7			A46
153P	2002 07 20.89191	15 27 10.32	−05 35 35.8			A46
153P	2002 07 21.45669	15 27 26.42	−05 44 20.4			340
153P	2002 07 21.46019	15 27 26.54	−05 44 23.0			340
153P	2002 07 21.46174	15 27 26.58	−05 44 24.7	14.4	T	340
153P	2002 07 21.81373	15 27 36.71	−05 49 47.6	16.5	N	057
153P	2002 07 21.82002	15 27 37.03	−05 49 55.6	16.4	N	057
153P	2002 07 21.82346	15 27 37.10	−05 49 58.8	15.7	N	057
153P	2002 07 21.82597	15 27 37.18	−05 50 02.2	16.3	N	057
153P	2002 07 21.84303	15 27 37.74	−05 50 17.3	15.1	N	213
153P	2002 07 21.84653	15 27 37.86	−05 50 20.4	15.1	N	213
153P	2002 07 21.85838	15 27 38.13	−05 50 30.7	14.7	T	470
153P	2002 07 21.86177	15 27 38.31	−05 50 33.5	14.9	N	1 170
153P	2002 07 21.86682	15 27 38.43	−05 50 38.4	14.9	N	1 170
153P	2002 07 21.87485	15 27 38.61	−05 50 46.1	14.5	T	470
153P	2002 07 21.87543	15 27 38.60	−05 50 45.6	14.9	N	170

153P	2002 07 22.86027	15 28 08.08	−06 05 44.4	14.8	N		170
153P	2002 07 22.86571	15 28 08.22	−06 05 48.7	14.8	N		170
153P	2002 07 22.86875	15 28 08.36	−06 05 51.8	14.8	N		170
153P	2002 07 22.90770	15 28 09.43	−06 06 26.5	15.1	T		939
153P	2002 07 22.91352	15 28 09.58	−06 06 31.5	15.1	T		939
153P	2002 07 22.91890	15 28 09.84	−06 06 36.1				A46
153P	2002 07 22.91933	15 28 09.74	−06 06 36.9	15.2	T		939
153P	2002 07 22.91979	15 28 09.82	−06 06 36.2				A46
153P	2002 07 22.92069	15 28 09.88	−06 06 38.1				A46
153P	2002 07 22.92872	15 28 10.15	−06 06 46.6				A46
153P	2002 07 22.93049	15 28 10.27	−06 06 48.6				A46
153P	2002 07 23.83934	15 28 38.25	−06 20 20.9	14.8	N		170
153P	2002 07 23.84346	15 28 38.36	−06 20 23.9	14.8	N		170
153P	2002 07 23.85357	15 28 38.70	−06 20 31.8	14.9	N		235
153P	2002 07 23.88850	15 28 39.73	−06 21 03.4	15.9	N	8	204
153P	2002 07 23.89553	15 28 39.94	−06 21 09.4	15.7	N	8	204
153P	2002 07 23.90493	15 28 40.19	−06 21 17.7	16.1	N	8	204
153P	2002 07 24.90044	15 29 11.99	−06 35 52.7	15.1	T		939
153P	2002 07 24.90630	15 29 12.14	−06 35 57.6	15.1	T		939
153P	2002 07 24.91205	15 29 12.30	−06 36 02.7	15.0	T		939
153P	2002 07 25.87166	15 29 43.75	−06 49 50.9	14.8	T		939
153P	2002 07 25.87522	15 29 43.81	−06 49 54.4	14.7	N		213
153P	2002 07 25.87743	15 29 43.93	−06 49 56.0	14.9	T		939
153P	2002 07 25.88038	15 29 43.84	−06 49 58.7	14.7	N		213
153P	2002 07 25.88324	15 29 44.14	−06 50 01.4	14.9	T		939
153P	2002 07 26.86782	15 30 17.17	−07 03 56.5	14.8	N		170
153P	2002 07 26.87049	15 30 17.29	−07 03 58.5	14.8	N		170
153P	2002 07 26.87358	15 30 17.38	−07 04 01.2	14.8	N		170
153P	2002 07 26.88653	15 30 17.79	−07 04 12.2	15.1	T		939
153P	2002 07 26.88741	15 30 17.84	−07 04 13.0	14.8	N		170
153P	2002 07 26.89037	15 30 17.91	−07 04 15.2	15.1	T		939
153P	2002 07 26.89617	15 30 18.14	−07 04 19.7	15.1	T		939
153P	2002 07 26.91806	15 30 18.85	−07 04 38.2	15.0	N		941
153P	2002 07 26.92088	15 30 18.92	−07 04 41.0	15.0	N		941
153P	2002 07 26.92372	15 30 19.04	−07 04 43.4	15.0	N		941
153P	2002 07 26.92632	15 30 19.14	−07 04 45.8	15.0	N		941
153P	2002 07 27.84789	15 30 50.95	−07 17 34.2	15.0	N		170
153P	2002 07 27.84993	15 30 50.98	−07 17 35.8	15.0	N		170
153P	2002 07 27.87410	15 30 51.87	−07 17 55.3	15.4	N		613
153P	2002 07 27.87796	15 30 51.88	−07 17 58.7	14.7	N		235
153P	2002 07 27.88200	15 30 52.11	−07 18 03.2	15.4	N		613
153P	2002 07 27.88261	15 30 51.93	−07 18 03.3	15.0	N		J91
153P	2002 07 27.88990	15 30 52.37	−07 18 09.3	15.3	N		613
153P	2002 07 27.89284	15 30 52.47	−07 18 11.6	15.0	N		J91
153P	2002 07 27.91913	15 30 53.31	−07 18 32.5	15.2	N		445
153P	2002 07 27.92199	15 30 53.48	−07 18 34.8	15.1	N		445
153P	2002 07 29.86388	15 32 02.85	−07 44 54.7				A46
153P	2002 07 29.86477	15 32 02.85	−07 44 55.6				A46
153P	2002 07 29.86655	15 32 02.90	−07 44 56.6				A46
153P	2002 07 29.86744	15 32 02.91	−07 44 56.5				A46
153P	2002 07 29.87010	15 32 03.06	−07 44 59.3				A46
153P	2002 07 29.87187	15 32 03.17	−07 45 00.8				A46
153P	2002 07 29.87275	15 32 03.19	−07 45 02.0				A46
153P	2002 07 29.89748	15 32 04.01	−07 45 20.9	15.3	N		613
153P	2002 07 29.90199	15 32 04.23	−07 45 24.5	15.2	N		613
153P	2002 07 29.90875	15 32 04.45	−07 45 29.3	15.2	N		613
153P	2002 07 30.89669	15 32 41.01	−07 58 31.7	15.0	T		939
153P	2002 07 30.90057	15 32 41.07	−07 58 36.0	15.0	T		939
153P	2002 07 30.90440	15 32 41.15	−07 58 39.8	14.9	T		939
153P	2002 07 31.50806	15 33 03.88	−08 06 30.9				300
153P	2002 07 31.50958	15 33 03.95	−08 06 31.6	11.6	T		360
153P	2002 07 31.51236	15 33 04.05	−08 06 33.7				360
153P	2002 07 31.51347	15 33 04.08	−08 06 35.3				300
153P	2002 07 31.51503	15 33 04.12	−08 06 35.5				300
153P	2002 07 31.51657	15 33 04.23	−08 06 36.9				300
153P	2002 07 31.52120	15 33 04.38	−08 06 40.7				300
153P	2002 08 01.52917	15 33 42.87	−08 19 37.9	15.0	T		372
153P	2002 08 01.53472	15 33 43.10	−08 19 41.9				372
153P	2002 08 01.53509	15 33 43.10	−08 19 42.6				300
153P	2002 08 01.53735	15 33 43.15	−08 19 44.8				300
153P	2002 08 01.53961	15 33 43.28	−08 19 46.0				300
153P	2002 08 01.54188	15 33 43.35	−08 19 48.5				300
153P	2002 08 01.54414	15 33 43.44	−08 19 49.8				300
153P	2002 08 01.54642	15 33 43.48	−08 19 51.1				300
153P	2002 08 01.85021	15 33 55.33	−08 23 43.8	14.8	N		170
153P	2002 08 01.85231	15 33 55.41	−08 23 46.5	14.8	N		170
153P	2002 08 01.89447	15 33 57.04	−08 24 17.8	14.6	N		213
153P	2002 08 01.90104	15 33 56.64	−08 24 15.9	14.6	N		213
153P	2002 08 02.83429	15 34 33.89	−08 36 07.2	14.7	N		235
153P	2002 08 03.13583	15 34 45.81	−08 39 53.2	15.5	T		762
153P	2002 08 03.14096	15 34 46.05	−08 39 56.5	15.4	T		762
153P	2002 08 03.14745	15 34 46.31	−08 40 01.9	15.7	T		762
153P	2002 08 03.53787	15 35 01.79	−08 44 52.0				300
153P	2002 08 03.54041	15 35 01.89	−08 44 54.3				300
153P	2002 08 03.54539	15 35 02.10	−08 44 58.1				300
153P	2002 08 03.54625	15 35 02.09	−08 44 58.5				300
153P	2002 08 03.83772	15 35 14.05	−08 48 34.7	14.8	N		170
153P	2002 08 03.84288	15 35 14.24	−08 48 38.7	14.8	N		170
153P	2002 08 03.86170	15 35 14.94	−08 48 51.2				A46
153P	2002 08 03.86396	15 35 15.03	−08 48 52.0				A46
153P	2002 08 03.86484	15 35 15.10	−08 48 53.9	14.7	N		232
153P	2002 08 03.86622	15 35 15.16	−08 48 55.4				A46
153P	2002 08 03.86714	15 35 15.17	−08 48 55.8	14.7	N		232
153P	2002 08 03.86848	15 35 15.15	−08 48 56.9				A46
153P	2002 08 03.86961	15 35 15.17	−08 48 58.1				A46
153P	2002 08 03.87073	15 35 15.33	−08 48 58.9				A46
153P	2002 08 05.51005	15 36 22.20	−09 08 51.6				300
153P	2002 08 05.51159	15 36 22.30	−09 08 52.8				300
153P	2002 08 05.51314	15 36 22.33	−09 08 54.0				300
153P	2002 08 05.51623	15 36 22.49	−09 08 55.1				300
153P	2002 08 05.85575	15 36 36.65	−09 12 59.9				A46
153P	2002 08 05.85688	15 36 36.67	−09 13 02.0				A46
153P	2002 08 05.85801	15 36 36.83	−09 13 02.3				A46
153P	2002 08 05.86025	15 36 36.91	−09 13 04.4				A46
153P	2002 08 05.86138	15 36 37.03	−09 13 04.6				A46
153P	2002 08 05.86475	15 36 36.85	−09 13 07.4				A46

153P	2002 08 05.86587	15 36 37.01	−09 13 08.1			A46
153P	2002 08 05.86700	15 36 37.17	−09 13 09.4			A46
153P	2002 08 05.86811	15 36 37.15	−09 13 08.5			A46
153P	2002 08 05.88061	15 36 37.70	−09 13 19.2	15.0	T	939
153P	2002 08 05.88832	15 36 37.85	−09 13 23.5	14.9	T	939
153P	2002 08 05.89220	15 36 37.93	−09 13 25.7	15.0	T	939
153P	2002 08 06.53707	15 37 05.20	−09 21 03.3			340
153P	2002 08 06.53971	15 37 05.25	−09 21 05.6			340
153P	2002 08 06.54197	15 37 05.37	−09 21 06.5	15.8	T	340
153P	2002 08 06.89215	15 37 20.22	−09 25 15.6	15.7	N	620
153P	2002 08 06.89700	15 37 20.41	−09 25 18.4	15.2	T	620
153P	2002 08 06.90185	15 37 20.61	−09 25 21.7			620
153P	2002 08 07.13242	15 37 30.45	−09 28 03.5			762
153P	2002 08 07.14128	15 37 30.78	−09 28 09.6			762
153P	2002 08 07.14723	15 37 31.04	−09 28 14.1			762
153P	2002 08 07.83448	15 38 00.45	−09 36 13.9	14.9	N	170
153P	2002 08 07.84006	15 38 00.81	−09 36 17.1	14.9	N	170
153P	2002 08 08.87056	15 38 45.40	−09 48 06.5	14.8	N	170
153P	2002 08 08.87444	15 38 45.51	−09 48 09.1	14.8	N	170
153P	2002 08 11.84420	15 40 58.10	−10 21 14.1	15.0	N	170
153P	2002 08 11.84797	15 40 58.25	−10 21 17.2	15.4	N	213
153P	2002 08 11.84899	15 40 58.29	−10 21 17.7	15.4	N	213
153P	2002 08 11.84999	15 40 58.35	−10 21 18.5	15.4	N	213
153P	2002 08 11.89404	15 41 00.39	−10 21 47.5	15.0	N	232
153P	2002 08 11.89634	15 41 00.43	−10 21 48.3	15.0	N	232
153P	2002 08 11.89865	15 41 00.50	−10 21 49.7	14.9	N	232
153P	2002 08 11.90095	15 41 00.60	−10 21 51.8	14.9	N	232
153P	2002 08 11.90324	15 41 00.81	−10 21 52.4	14.9	N	232
153P	2002 08 12.83748	15 41 43.62	−10 31 58.9	16.0	N	620
153P	2002 08 12.83991	15 41 43.71	−10 32 00.8	15.4	T	620
153P	2002 08 12.84233	15 41 43.82	−10 32 02.3			620
153P	2002 08 12.84475	15 41 43.96	−10 32 04.0			620
153P	2002 08 12.86380	15 41 44.98	−10 32 17.5	15.1	N	235
153P	2002 08 14.87426	15 43 18.70	−10 53 32.5	15.9	N	215
153P	2002 08 14.87493	15 43 18.74	−10 53 33.6	15.6	N	215
153P	2002 08 14.87543	15 43 18.75	−10 53 33.7	15.2	N	215

Note 1: involved with star. 2: position uncertain. 3: poor sky. 4: weak solution. 5: prediscovery observation. 6: weak image. 7: faint image. 8: time uncertain.

OBSERVATIONS OF NATURAL SATELLITES

Observations are published here for the following observatory code:

644 Palomar Mountain/NEAT. Observers E. F. Helin, S. Pravdo, K. Lawrence, K. Kuluhiwa, M. Hicks, R. Thicksten. 1.2-m Schmidt + CCD.

Object	Date	UT	α_{2000}	δ_{2000}	Mag.	Obs.
Neptune II	2002 08 08.28751		20 47 33.81	−17 48 17.7	18.9	644
Neptune II	2002 08 08.30878		20 47 33.70	−17 48 18.1	18.9	644
Neptune II	2002 08 08.32969		20 47 33.53	−17 48 18.8	19.1	644

OBSERVATIONS OF PLUTO

Observations are published here for the following observatory codes:

246 Kleť Observatory-KLENOT. Observers J. Tichá, M. Tichý. M. Kočer. 1.06-m KLENOT telescope + CCD.

673 Table Mountain. Observers W. M. Owen, Jr., A. Rivas, R. C. Dumas. 0.61-m $f/16$ reflector + CCD.

938 Linhaceira. Observer R. Goncalves. 0.25-m $f/6.7$ Schmidt-Cassegrain + CCD.

	Date	UT	α_{2000}	δ_{2000}	Mag.	N	Obs.
Pluto	2002 06 28.93631		17 02 10.09	−12 38 41.2	13.5	R	938
Pluto	2002 07 08.92279		17 01 13.21	−12 39 44.4			246
Pluto	2002 07 08.92745		17 01 13.19	−12 39 44.5			246
Pluto	2002 07 08.96117		17 01 13.01	−12 39 44.8			246
Pluto	2002 07 08.96442		17 01 12.99	−12 39 44.8			246
Pluto	2002 07 09.88397		17 01 08.07	−12 39 52.9			246
Pluto	2002 07 09.89383		17 01 08.02	−12 39 52.8			246
Pluto	2002 07 09.89661		17 01 08.01	−12 39 53.0			246
Pluto	2002 07 09.90139		17 01 07.97	−12 39 52.9			246
Pluto	2002 07 19.235961		17 00 21.795	−12 41 31.73			673
Pluto	2002 07 19.240392		17 00 21.777	−12 41 31.82			673
Pluto	2002 07 20.233566		17 00 17.308	−12 41 44.27			673
Pluto	2002 07 20.236979		17 00 17.291	−12 41 44.31			673
Pluto	2002 07 20.240220		17 00 17.281	−12 41 44.37			673
Pluto	2002 07 21.241186		17 00 12.861	−12 41 57.31			673
Pluto	2002 07 21.244740		17 00 12.845	−12 41 57.37			673
Pluto	2002 07 25.91775		16 59 53.51	−12 43 02.3	13.5	R	938

OBSERVATIONS OF MINOR PLANETS

The summary lists, for each observatory code, the designation of each object observed (an asterisk signifying a new discovery), with three numbers indicating the number of observations, the number of different nights on which the object was observed and the arc (in days) covered by the observations; at the end of each observatory listing there is a count of the total number of observations, of the number of objects and of the number of discoveries followed by an asterisk, together with the total range of dates covered by the observations.

010 Caussols

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0.9-m Schmidt telescope

1999 TW_{169}, 3, 1, 0; 2000 AJ_{90}, 3, 1, 0; 2000 WG_{105}, 2, 1, 0; 2000 YE_{58}, 2, 1, 0; *[10, 4, 0*, 1992/10/23–1995/09/02]*

012 Uccle

E. W. Elst, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [Eric.Elst@oma.be] (1)

T. Pauwels, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [Thierry.Pauwels@oma.be] (2)

Observers E. W. Elst, H. Boffin, H. Debehogne, T. Pauwels

Measurers E. W. Elst, T. Pauwels

0.85-m $f/2.5$ Schmidt + CCD
GSC-1.2
{1} 2002 LT_{21}, 3, 1, 0; 2002 NF_{25}, 4, 1, 0; *[7, 2, 0∗, 1999/11/15–2000/02/26]*

{2} 1998 FK_{91}, 3, 1, 0; 2001 YG_{141}, 5, 1, 0; *[8, 2, 0∗, 1998/03/20–2001/11/26]*

046 Kleť
J. Tichá, Hvězdárna Kleť, Zátkovo nábřeží 4, CZ-37001 České Budějovice, Czech Republic [klet@klet.cz]
Observers J. Tichá, M. Tichý, M. Kočer
Measurer M. Tichý
0.57-m $f/5.2$ reflector + CCD
USNO-A2.0
GA CR 205/98/0266
1998 SA_{92}, 4, 1, 0; 1998 TE_{37}, 4, 1, 0; 2002 EJ_{72}, 5, 1, 0; 2002 NN_4, 4, 1, 0; 2002 NT_7, 12, 2, 1; 2002 NV_{16}, 6, 1, 0; 2002 NY_{40}, 9, 2, 3; 2002 OS_4, 6, 1, 0; 2002 PB, 5, 1, 0; 2002 PN, 8, 1, 0; 2002 PD_1, 2, 1, 0; 2002 PM_6, 5, 1, 0; 2002 PN_6, 2, 1, 0; 2002 PX_{39}, 6, 1, 0; 2002 PD_{40}, 7, 1, 0; 2002 PD_{43}, 13, 1, 0; (5887), 4, 1, 0; *[102, 17, 0∗, 1998/02/20–2002/08/10]*

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Observers B. Davidsson, O. Karlsson, C.-I. Lagerkvist, T. Oja, C. Sandin, J. Warell
Measurers A. Erikson, G. Hahn, O. Karlsson, C.-I. Lagerkvist, S. Mottola, J. Warell
1.0-m Schmidt + CCD
USNO-SA2.0
1991 RJ_{29}, 3, 1, 0; 1995 EX_1, 3, 1, 0; 1998 QH_{95}, 3, 1, 0; 1998 RG_{16}, 3, 1, 0; 1998 RW_{59}, 6, 2, 3; 1998 RQ_{60}, 6, 2, 43; 1998 SC_{141}, 3, 1, 0; 1998 VT_{14}, 3, 1, 0; 1999 CU_{118}, 4, 1, 0; 1999 XL_{155}, 3, 1, 0; 2000 AU_{109}, 3, 1, 0; 2000 AF_{177}, 3, 1, 0; 2000 AW_{239}, 3, 1, 0; 2000 EK_{20}, 4, 1, 0; 2000 EX_{91}, 3, 1, 0; 2000 UL_{109}, 3, 1, 0; 2000 YG_{75}, 3, 1, 0; 2001 BQ_{73}, 3, 1, 0; 2001 HX_{10}, 3, 1, 0; 2001 UY_{212}, 3, 1, 0; 2001 WB_{21}, 3, 1, 0; 2001 WD_{21}, 3, 1, 0; 2001 WL_{98}, 3, 1, 0; 2001 XW_{119}, 3, 1, 0; 2001 YN_{110}, 3, 1, 0; 2002 CK_{119}, 3, 1, 0; 2002 CA_{148}, 3, 1, 0; 2002 CT_{170}, 3, 1, 0; 2002 CB_{174}, 3, 1, 0; 2002 CP_{175}, 3, 1, 0; 2002 CG_{178}, 3, 1, 0; 2002 CE_{189}, 3, 1, 0; 2002 CU_{192}, 3, 1, 0; 2002 CA_{204}, 3, 1, 0; 2002 CA_{277}, 3, 1, 0; 2002 CK_{277}, 3, 1, 0; 2002 JL_{120}, 3, 1, 0; 2002 JS_{120}, 3, 1, 0; 2002 JT_{120}, 3, 1, 0; 2002 JV_{120}, 3, 1, 0; 2002 JX_{120}, 3, 1, 0; 2002 JO_{123}, 3, 1, 0; 2002 JC_{143}, 3, 1, 0; 2002 LN_{36}, 3, 1, 0; 2002 LP_{36}, 6, 2, 1; 2002 OK, 4, 1, 0; 2002 OG_4, 3, 1, 0; 2002 OP_{22}, 6, 2, 4; 2002 PW_2, 3, 1, 0; 2002 PL_6, 3, 1, 0; 2002 PM_6, 3, 1, 0; 2002 PS_{64}, 3, 1, 0; 2002 PT_{64}, 3, 1, 0; 2002 PU_{64}, 6, 2, 4; 2002 PX_{64}, 3, 1, 0; 2002 PK_{80} ∗, 6, 2, 4; 2002 PL_{80} ∗, 6, 2, 4; (3115), 6, 2, 4; (9269), 3, 1, 0; (9297), 3, 1, 0; (19727), 3, 1, 0; (22306), 3, 1, 0; (22489), 3, 1, 0; (23838), 6, 2, 1; (24865), 3, 1, 0; (25051), 6, 2, 4; (25846), 6, 2, 10; *[237, 67, 2∗, 1999/12/03–2002/08/11]*

057 Belgrade
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Observers Vl. Benishek, V. Protitch-Benishek, B. Benishek
Measurers Vl. Benishek, B. Benishek
0.11-m $f/12$ Zeiss visual astrograph + CCD
USNO-A2.0
2002 NY_{40}, 5, 1, 0; (1922), 2, 1, 0; *[7, 2, 0∗, 2002/07/21–2002/08/10]*

071 Bulgarian National Observatory
V. Ivanova, Institute of Astronomy, 72 Tsarigradsko Schosse Blvd., BG-11784 Sofia, Bulgaria [ivanova@astro.bas.bg]
Observers V. Protitch-Benishek, A. Marinov, Vl. Benishek
Measurers V. Benishek, B. Bilkina, V. Ivanova
0.5-m $f/3.44$ Schmidt telescope + CCD
GSC-1.1
Partial support from Space Frontier Foundation Grant
(25396), 3, 1, 0; 2001 YJ_4, 3, 1, 0; 2002 AL_{14}, 3, 1, 0; 2002 AJ_{29}, 5, 1, 0; 2002 HU_{11}, 4, 1, 0; 2002 KH_3, 3, 1, 0; 2002 LV, 3, 1, 0; 2002 LB_6, 4, 1, 0; (474), 5, 1, 0; (1564), 3, 1, 0; (1675), 3, 1, 0; (1922), 3, 1, 0; (2060), 5, 2, 1; (3009), 3, 1, 0; (5849), 3, 1, 0; (6134), 3, 1, 0; (6800), 2, 1, 0; *[58, 17, 0∗, 2002/07/13–2002/07/18]*

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Observers M. Smirnov, S. Barabanov
1-m Ritchey-Chrétien coudé telescope + CCD
GSC
2000 AW_{140}, 4, 1, 0; 2002 NY_{40}, 5, 1, 0; (7363), 5, 1, 0; (20713), 5, 1, 0; (23174), 4, 1, 0; (26117), 6, 1, 0; *[29, 6, 0∗, 2002/08/02–2002/08/14]*

098 Asiago Observatory, Cima Ekar
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Observers U. Munari, F. Castellani, M. Tombelli, P. Antolini
Measurers F. Castellani, M. Tombelli, G. Forti
0.67-m $f/3.2$ Schmidt
1998 WJ_6, 2, 1, 0; *[2, 1, 0∗, 1994/12/03]*

104 San Marcello Pistoiese
L. Tesi, Osservatorio di Pian dei Termini, Viale Panoramico 45, I-51028 San Marcello Pistoiese (PT), Italy [iau@arcetri.astro.it]
Observers L. Tesi, A. Boattini, M. Tombelli
Measurers G. Forti, L. Tesi, A. Boattini, M. Tombelli
0.40-m $f/5$ reflector + CCD
USNO-A2.0, USNO-SA2.0
1994 RR_{16}, 6, 1, 0; 1999 TR_{48}, 3, 1, 0; 1999 VQ_{53}, 7, 2, 1; 2001 HV_{16}, 3, 1, 0; 2002 AL_{14}, 2, 1, 0; 2002 AN_{113}, 4, 1, 0; 2002 GD_{11}, 3, 1, 0; 2002 LJ, 3, 1, 0; 2002 LY_{45}, 4, 1, 0; 2002 LC_{58}, 4, 1, 0; 2002 MQ_3, 3, 1, 0; 2002 MS_3, 3, 1, 0; 2002 NW, 5, 1, 0; 2002 NX, 3, 1, 0; 2002 NN_4, 4, 1, 0; (1311), 3, 1, 0; (1824), 3, 1, 0; (2030), 3, 1, 0; (3647), 3, 1, 0; (4970), 3, 1, 0; (7764), 3, 1, 0; (12017), 3, 1, 0; (12519), 3, 1, 0; (12522), 3, 1, 0; (13027), 3, 1, 0; (16084), 3, 1, 0; (22433), 3, 1, 0; (22625), 3, 1, 0; (23883), 3, 1, 0; (24315), 3, 1, 0; (24875), 4, 1, 0; (36284), 5, 1, 0; (43185), 2, 1, 0; *[113, 33, 0∗, 1994/08/17–2002/07/11]*

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H. Mikuž, Kersnikova 11, SI-61000 Ljubljana, Slovenia [herman.mikuz@uni-lj.si]
Observers J. Skvarč, H. Mikuž, S. Matičič
0.36-m $f/6.7$ Schmidt-Cassegrain + CCD
USNO-A2.0
2002 JV_{129}, 3, 1, 0; *[3, 1, 0∗, 2002/05/01]*

107 Cavezzo
M. Nicolini, via C. Battisti 48, I-41032 Carpi (MO), Italy [mnico@iol.it]
Observers M. Nicolini, P. Negrelli, U. Neri
Measurer M. Nicolini
0.40-m $f/5.5$ reflector + CCD
GSC
2002 NY_{40}, 15, 4, 5; *[15, 1, 0∗, 2002/08/12–2002/08/17]*

108 Montelupo
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Observers M. Tombelli, A. Boattini, L. Tesi

Measurers M. Tombelli, A. Boattini, L. Tesi, S. Bartolini, G. Forti
0.30-m f/5.7 Schmidt-Cassegrain + CCD
GSC-1.1, USNO-A2.0

1998 SG_{36}, 4, 1, 0; 2002 NX_{18}, 3, 1, 0; 2002 NY_{40}, 4, 1, 0; 2002 PM_6, 5, 1, 0; (433), 4, 1, 0; (5143), 4, 1, 0; *[24, 6, 0∗, 2002/08/14–2002/08/15]*

113 Volkssternwarte Drebach, Schönbrunn
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Observers G. Lehmann, J. Kandler, U. Schoenherr
Measurers J. Kandler, G. Lehmann
0.50-m f/4.0 reflector + CCD
USNO-A2.0

1975 UY, 3, 1, 0; 1982 UD_4, 5, 2, 31; 1987 DL_6, 2, 1, 0; 1988 TV_1, 3, 1, 0; 1991 RL_4, 3, 1, 0; 1998 QH_{70}, 2, 1, 0; 1999 AG_{23}, 2, 1, 0; 1999 KW_4, 3, 1, 0; 1999 RU_{65}, 2, 1, 0; 1999 VO_6, 4, 1, 0; 1999 VU_{163}, 2, 1, 0; 1999 XN_{15}, 2, 1, 0; 1999 YN, 3, 1, 0; 2000 CD_{25}, 2, 1, 0; 2000 EF_{130}, 2, 1, 0; 2000 NL_{10}, 5, 1, 0; 2000 YE_{91}, 2, 1, 0; 2000 YT_{134}, 2, 1, 0; 2001 BG_{50}, 3, 1, 0; 2001 CY_{12}, 2, 1, 0; 2001 HY_7, 5, 1, 0; 2001 HT_{46}, 2, 1, 0; 2001 QP_{153}, 5, 1, 0; 2001 SL_9, 3, 1, 0; 2001 YJ_4, 4, 1, 0; 2002 EQ_9, 3, 1, 0; 2002 HU_{11}, 3, 1, 0; 2002 KH_3, 5, 1, 0; 2002 LV, 5, 1, 0; 2002 LS_{32}, 8, 1, 0; 2002 LY_{45}, 3, 1, 0; 2002 MC, 5, 1, 0; 2002 NX, 15, 3, 22; 2002 NV_{16}, 8, 2, 9; 2002 NW_{16}, 6, 1, 0; 2002 NY_{40}, 3, 1, 0; 2002 ON_4, 3, 1, 0; (1130), 3, 1, 0; (3199), 2, 1, 0; (5143), 5, 1, 0; (12608), 2, 1, 0; (20713), 3, 1, 0; (23481), 3, 1, 0; *[158, 43, 0∗, 2002/07/05–2002/08/06]*

118 Modra
A. Galád, AGO MFF UK, P.O. Box 4, SK-90001 Modra, Slovakia [ago@fmph.uniba.sk]
A. Galád, L. Kornoš, J. Tóth, Š. Gajdoš, P. Zigo
0.6-m f/5.5 reflector + CCD
USNO-A2.0

1998 SG_{36}, 6, 2, 3; 2001 HY_7, 3, 1, 0; 2001 QP_{153}, 3, 1, 0; 2002 HU_{11}, 5, 2, 3; 2002 JY_8, 9, 3, 6; 2002 JB_9, 3, 1, 0; 2002 JR_9, 6, 2, 5; 2002 KF_4, 4, 1, 0; 2002 KH_4, 4, 1, 0; 2002 KL_6, 5, 2, 23; 2002 LJ, 7, 2, 1; 2002 LV, 8, 3, 23; 2002 LB_6, 13, 5, 32; 2002 LS_{32}, 14, 4, 6; 2002 LY_{45}, 4, 1, 0; 2002 MC, 10, 4, 21; 2002 MQ_3, 6, 2, 3; 2002 MR_3, 15, 4, 6; 2002 NX, 17, 5, 29; 2002 NV_{16}, 8, 3, 8; 2002 NW_{16}, 3, 1, 0; 2002 OM_4, 3, 1, 0; 2002 ON_4, 5, 2, 2; 2002 OS_4, 3, 1, 0; 2002 PN, 5, 1, 0; 2002 PR_1, 3, 1, 0; 2002 PM_6, 3, 1, 0; 2002 PQ_6, 3, 1, 0; 2002 PZ_{39}, 6, 1, 0; 2002 PD_{43}, 4, 1, 0; *[188, 30, 0∗, 2002/06/25–2002/08/18]*

120 Višnjan
K. Korlević, Istarska 5, HR-51463 Višnjan, Croatia [korado@visnjan.hr]
Observer K. Korlević
0.41-m f/4.3 reflector + CCD
USNO-SA1.0

2000 CX_{141}, 3, 1, 0; *[3, 1, 0∗, 2000/01/25]*

121 Kharkov University, Chuguevskaya Station
V. G. Shevchenko, Astronomical Observatory, Kharkiv National University, Sumska Street 35, Kharkiv 310022, Ukraine [krugly@astron.kharkov.ua]
0.70-m f/4 reflector + CCD
GSC

2001 ST_{171}, 2, 1, 0; *[2, 1, 0∗, 1996/10/16]*

122 Pises Observatory
J. M. Lopez, 5 Rue Meyrueis, F-34000 Montpellier, France [jean.m.lopez2@wanadoo.fr]
Observers J. M. Lopez, N. Montviloff, J. H. Blanc
Measurer J. M. Lopez
0.40-m f/4.7 reflector + CCD
USNO-SA2.0, GSC

1993 RB_{11}, 3, 1, 0; 1997 RE_3, 16, 4, 17; 2002 NY_{40}, 6, 1, 0; 2002 PF ∗, 19, 4, 6; (23944), 5, 1, 0; (24948), 4, 1, 0; *[53, 6, 1∗, 2002/07/19–2002/08/07]*

127 Bornheim
N. Ehring, Stationenweg 54, D-53332 Bornheim, Germany [norbert.ehring@t-online.de]
0.30-m f/3.2 FFC + CCD
USNO-A2.0

1991 PU_9, 4, 2, 1; 1998 MU_{24}, 4, 2, 1; 1998 UY_{19}, 9, 3, 10; 2001 VS_{78}, 5, 2, 1; 2001 YJ_4, 3, 1, 0; 2002 HU_{11}, 6, 2, 11; 2002 JR_9, 6, 3, 16; 2002 KS_3, 2, 1, 0; 2002 LV, 9, 3, 14; 2002 LB_6, 3, 1, 0; 2002 NX, 3, 1, 0; (20231), 3, 1, 0; (42685), 8, 3, 7; (42811), 10, 4, 18; *[75, 14, 0∗, 2002/05/31–2002/07/18]*

130 Lumezzane
S. Foglia, F. Bisleri 11, I-20418 Milan, Italy [s.foglia@libero.it]
Observers C. Cremaschini, M. Micheli, G. Pizzetti, J. Abdalla, W. Marinello, S. Zubani
Measurers C. Cremaschini, W. Marinello, G. Pizzetti
0.40-m f/4 reflector + CCD
USNO-A2.0

1998 MU_{24}, 3, 1, 0; 2002 NY_{40}, 15, 3, 8; (433), 4, 1, 0; (5143), 3, 1, 0; (22321), 4, 1, 0; *[29, 5, 0∗, 2002/06/29–2002/08/12]*

143 Gnosca
S. Sposetti, CH-6525 Gnosca, Switzerland [spo@bluewin.ch]
0.40-m f/4 reflector + CCD
Tycho-2, GSC-ACT

1998 TZ_{17}, 3, 1, 0; 2001 FA_{76}, 3, 1, 0; 2002 JT_{95}, 2, 1, 0; 2002 PM_6, 5, 1, 0; 2002 PR_{11} ∗, 6, 2, 3; (3108), 3, 1, 0; (4475), 6, 1, 0; (5538), 3, 1, 0; (8837), 3, 1, 0; (9433), 3, 1, 0; (9629), 3, 1, 0; (11350), 3, 1, 0; (13025), 3, 1, 0; (16191), 3, 1, 0; (23062), 6, 2, 3; (26280), 2, 1, 0; *[57, 16, 1∗, 2000/11/30–2002/08/08]*

145 's-Gravenwezel Observatory
T. Alderweireldt, Rozenlaan 14, B-2970 's-Gravenwezel, Belgium [Tom.Alderweireldt@ping.be]
0.20-m f/3.4 Schmidt-Cassegrain + CCD
USNO-A2.0

2002 NY_{40}, 14, 1, 0; *[14, 1, 0∗, 2002/08/14]*

151 Eschenberg Observatory, Winterthur
M. Griesser, Breitenstrasse 2, CH-8542 Wiesendangen, Switzerland [griesser@spectraweb.ch]
0.40-m f/5.8 Cassegrain + CCD
GSC-1.1, USNO-SA2.0

1991 RL_4, 12, 3, 27; 1998 SG_{36}, 21, 6, 29; 1999 WY_1, 4, 1, 0; 1999 XM_{102}, 4, 1, 0; 2000 NL_{10}, 4, 1, 0; 2000 PH_5, 12, 1, 0; 2000 YT_{134}, 4, 1, 0; 2001 HY_7, 30, 5, 11; 2001 SL_9, 8, 2, 3; 2001 VS_{78}, 12, 3, 11; 2001 YJ_4, 16, 4, 39; 2002 AL_{14}, 12, 2, 8; 2002 AJ_{29}, 4, 1, 0; 2002 HU_{11}, 8, 1, 0; 2002 JY_8, 7, 2, 3; 2002 KH_3, 25, 6, 39; 2002 KL_6, 12, 3, 27; 2002 LV, 64, 7, 29; 2002 LK_5, 4, 1, 0; 2002 LB_6, 8, 2, 4; 2002 LS_{32}, 12, 1, 0; 2002 LY_{45}, 4, 1, 0; 2002 MC, 23, 5, 47; 2002 MR_3, 8, 1, 0; 2002 NX, 52, 6, 10; 2002 NT_7, 4, 1, 0; 2002 NV_{16}, 21, 4, 9; 2002 NW_{16}, 20, 4, 28; 2002 NX_{18}, 4, 1, 0; 2002 NA_{31}, 4, 1, 0; 2002 NY_{40}, 63, 9, 28; 2002 ON_4, 4, 1, 0; 2002 OS_4, 7, 2, 10; 2002 PB, 4, 1, 0; 2002 PR_1, 12, 2, 4; 2002 PM_6, 28, 5, 8; 2002 PQ_6, 4, 1, 0; 2002 PY_{39}, 4, 1, 0; 2002 PZ_{39}, 12, 1, 0; 2002 PO_{75}, 4, 1, 0; (1922), 4, 1, 0; (20713), 4, 1, 0; (24201), 4, 1, 0; *[577, 43, 0∗, 2002/06/26–2002/08/17]*

152 Moletai Astronomical Observatory
K. Černis, Institute of Theoretical Physics and Astronomy, Gostauto 12, Vilnius, LT-2000 Lithuania [cernis@itpa.lt]
Observers K. Černis, J. Zdanavicius

1.65-m $f/8.1$ reflector + CCD
GSC
1994 CP_{18}, 6, 2, 1; 1996 XA_1, 2, 1, 0; 1999 TA_{96}, 2, 1, 0; 2000 UW_{17}, 6, 2, 1; 2000 XC_{30}, 3, 1, 0; 2000 YC_{39}, 5, 2, 1; 2002 EX_{87}, 3, 1, 0; 2002 FL_{13}, 3, 1, 0; (2984), 6, 2, 1; (3539), 3, 1, 0; (3555), 6, 2, 1; (10675), 6, 2, 1; (16700), 3, 1, 0; (22958), 6, 2, 1; (40955), 3, 1, 0; *[63, 15, 0∗, 2002/03/16–2002/06/25]*

153 Stuttgart–Hoffeld
R. Stuber, Hoffeldstrasse 121, D-70597 Stuttgart, Germany [mail@rolfstuber.de]
Observers R. Stuber, K. Stuber
0.25-m $f/7.2$ reflector + CCD
GSC
2002 NY_{40}, 14, 3, 2; *[14, 1, 0∗, 2002/08/15–2002/08/17]*

157 Frasso Sabino
A. Pelloni, via Oratorio Damasiano 15, I-00148 Rome, Italy [mc3657@mclink.it]
Observers R. Haver, F. Anzellini, A. Pelloni
Measurers F. Anzellini, R. Haver
0.20-m $f/6.3$ Schmidt-Cassegrain + CCD
USNO-A2.0
2001 YJ_4, 4, 1, 0; 2002 AL_{14}, 4, 1, 0; 2002 AJ_{29}, 4, 1, 0; 2002 HU_{11}, 10, 3, 9; 2002 LV, 16, 4, 9; 2002 LB_6, 8, 2, 4; 2002 MC, 2, 1, 0; 2002 NX, 3, 1, 0; 2002 NX_{18}, 4, 1, 0; 2002 NY_{40}, 6, 1, 0; 2002 PM_6, 4, 1, 0; 2002 PZ_{39}, 4, 1, 0; (3736), 4, 1, 0; *[73, 13, 0∗, 2002/06/29–2002/08/17]*

159 Monte Agliale
M. M. M. Santangelo, Monte Agliale Astronomical Observatory, Borgo a Mozzano, Lucca, Italy [ilra@comune.lucca.it]
0.51-m $f/4.5$ Newtonian reflector + CCD
USNO-A2.0
1998 XV_{56}, 5, 1, 0; *[5, 1, 0∗, 2002/08/08]*

160 Castelmartini
E. Prosperi, Via Bartolini 127, I-51030 Castelmartini (PT), Italy
0.25-m $f/6.3$ Schmidt-Cassegrain + CCD
GSC
2002 NY_{40}, 13, 4, 9; (433), 7, 2, 1; *[20, 2, 0∗, 2002/08/05–2002/08/14]*

163 Roeser Observatory, Luxembourg
M. Dawson, 66 Rue Boch, L-1244 Luxembourg, Luxembourg [dawson@pt.lu]
0.50-m $f/4$ Newtonian + CCD
USNO-A2.0
2002 MQ_3, 2, 1, 0; 2002 NX, 4, 1, 0; *[6, 2, 0∗, 2002/07/08–2002/07/09]*

169 Rosignano
S. Puccini, Airali Observatory, Via Montegrappa 16, I-15030 Rosignano, Italy [starfield@tin.it]
0.25-m $f/5.1$ Schmidt-Cassegrain + CCD
GSC
(42685), 4, 1, 0; *[4, 1, 0∗, 2002/07/26]*

170 Observatorio de Begues
J. Manteca, c/Santpere, no. Casa 22, E-08859 Begues, Barcelona, Spain [jmantecav@nexo.es]
0.31-m $f/6.3$ Schmidt-Cassegrain + CCD
USNO-SA2.0
1998 RO_{68}, 4, 1, 0; 2002 NY_{40}, 4, 1, 0; *[8, 2, 0∗, 2002/08/11–2002/08/14]*

174 Nyrölä Observatory, Jyväskylä
A. Oksanen, Verkkoniementie 30, SF-40950 Muurame, Finland [arto.oksanen@jklsirius.fi]
Observer A. Oksanen
0.40-m $f/5$ Schmidt-Cassegrain + CCD
USNO-A2.0
2002 NY_{40}, 18, 1, 0; *[18, 1, 0∗, 2002/08/17–2002/08/18]*

176 Observatori Astronomic de Consell
À. López, Apartado de correos 122, E-07320 Santa Maria, Mallorca, Spain [obsconsell@wanadoo.es]
Observers À. López, R. Pacheco
0.2-m $f/3.3$ Schmidt-Cassegrain + CCD
USNO-SA2.0
1999 AX_{25}, 9, 2, 4; 2001 YJ_4, 5, 1, 0; 2002 AL_{14}, 4, 1, 0; 2002 HU_{11}, 5, 1, 0; 2002 JR_9, 6, 1, 0; 2002 KH_3, 5, 1, 0; 2002 LV, 4, 1, 0; 2002 LH_3, 4, 1, 0; 2002 LB_6, 5, 1, 0; 2002 LS_{32}, 5, 1, 0; 2002 LY_{45}, 13, 2, 11; 2002 MQ_3, 11, 2, 8; 2002 MS_3, 4, 1, 0; 2002 NX, 4, 1, 0; 2002 NN_4, 10, 2, 7; 2002 NT_7, 3, 1, 0; 2002 NV_{16}, 5, 1, 0; 2002 NX_{18}, 5, 1, 0; 2002 NY_{31}, 5, 1, 0; 2002 ON_4, 5, 1, 0; 2002 OS_4, 4, 1, 0; 2002 PM_6, 7, 1, 0; *[128, 22, 0∗, 2002/06/28–2002/08/06]*

177 Le Cres
R. Poncy, Rue des Ecoles, F-34920 Le Cres, France [ray.poncy@wanadoo.fr]
0.20-m $f/3.3$ reflector + CCD
GSC
2002 NY_{40}, 6, 1, 0; 2002 PF, 4, 1, 0; *[10, 2, 0∗, 2002/08/11–2002/08/12]*

185 Vicques
M. Ory, 30 Rue Beridier, CH-2800 Delemont, Switzerland [pivatte@bluewin.ch]
Observers M. Ory, H. Lehmann
Measurer M. Ory
0.61-m $f/3.39$ reflector + CCD
USNO-A2.0
1991 PU_9, 5, 1, 0; 1997 RE_3, 5, 1, 0; 1998 HY_{33}, 4, 1, 0; 1998 MU_{24}, 3, 1, 0; 1998 QF_{76}, 4, 1, 0; 1998 RD_{81}, 2, 1, 0; 1999 RA_{109}, 6, 2, 3; 1999 RF_{165}, 3, 1, 0; 1999 XP_{55}, 4, 1, 0; 2000 AP_{88}, 3, 1, 0; 2000 AF_{104}, 3, 1, 0; 2000 ET_{116}, 6, 2, 1; 2000 PH_5, 7, 1, 0; 2001 FA_{98}, 7, 2, 3; 2001 HY_7, 5, 1, 0; 2001 JS_6, 3, 1, 0; 2001 VS_{78}, 5, 1, 0; 2002 AJ_{29}, 3, 1, 0; 2002 HU_{11}, 6, 1, 0; 2002 KD_1, 4, 1, 0; 2002 KM_9, 2, 1, 0; 2002 LV, 11, 2, 11; 2002 LB_6, 11, 2, 9; 2002 LN_{36}, 3, 1, 0; 2002 LR_{37}, 8, 2, 2; 2002 MM_3, 3, 1, 0; 2002 MN_3 ∗, 20, 5, 20; 2002 MR_3, 7, 1, 0; 2002 MS_3, 5, 1, 0; 2002 NX, 18, 3, 27; 2002 NX_{18}, 6, 1, 0; 2002 NX_{20}, 4, 1, 0; 2002 NY_{40}, 15, 3, 14; 2002 OW_{11}, 2, 1, 0; 2002 OZ_{11}, 3, 1, 0; 2002 PF, 2, 1, 0; 2002 PM_6, 20, 4, 6; 2002 PU_{32}, 4, 1, 0; 2002 PA_{82}, 8, 2, 1; 2002 PN_{86} ∗, 14, 4, 3; 2002 PX_{119}, 3, 1, 0; 2002 PP_{123} ∗, 7, 2, 1; 2002 PQ_{123} ∗, 5, 2, 1; 2829 P-L, 4, 1, 0; 1291 T-1, 2, 1, 0; (433), 5, 1, 0; (5022), 3, 1, 0; (5143), 3, 1, 0; (5222), 6, 1, 0; (7855), 3, 1, 0; (12428), 3, 1, 0; (20220), 3, 1, 0; (21285), 3, 1, 0; (25523), 3, 1, 0; (26725), 3, 1, 0; (31864), 7, 2, 1; *[317, 56, 4∗, 2002/06/29–2002/08/17]*

196 Homburg-Erbach
W. Wiedemann, Hasenaeckerstr. 29, D-66424 Homburg, Germany [Wolfgang.Wiedemann@t-online.de]
0.20-m $f/6.2$ Schmidt-Cassegrain + CCD
USNO-A2.0
1998 SS_2, 3, 1, 0; 1998 XS_{39}, 2, 1, 0; 2000 CH_{23}, 2, 1, 0; 2000 EC_{150}, 6, 2, 1; 2001 HB_{10}, 2, 1, 0; 2002 LT_{36}, 3, 1, 0; 2002 NJ_{32}, 2, 1, 0; *[20, 7, 0∗, 2002/07/29–2002/08/17]*

198 Wildberg
R. Apitzsch, Schwarzwaldstrasse 17-2, D-72218 Wildberg, Germany [rolfapitzsch@astro-wildberg.com]
0.235-m Schmidt-Cassegrain + CCD
USNO-SA2.0

1999 HF_1, 4, 1, 0; 2000 NL_{10}, 5, 1, 0; 2000 PH_5, 4, 1, 0; 2002 AL_{14}, 4, 1, 0; 2002 AJ_{29}, 7, 2, 11; 2002 HU_{11}, 6, 1, 0; 2002 JR_9, 6, 1, 0; 2002 KH_3, 16, 4, 28; 2002 KL_6, 6, 2, 19; 2002 LV, 6, 1, 0; 2002 NX, 4, 1, 0; 2002 NW_{16}, 4, 1, 0; 2002 NY_{40}, 27, 6, 19; 2002 PR_1, 3, 1, 0; 2002 PM_6, 6, 1, 0; (3200), 3, 1, 0; (20713), 4, 1, 0; *[115, 17, 0*, 2002/06/24–2002/08/16]*

201 Jonathan B. Postel Observatory
V. Pozzoli, V. le Morandi 21, I-20010 Bareggio, Italy [vpozzoli@inwind.it]
0.30-m $f/10.0$ reflector + CCD
GSC
1998 HN_{128}, 3, 1, 0; 1999 RZ_{94}, 3, 1, 0; 2001 CN_9, 3, 1, 0; 2001 DL_{37}, 3, 1, 0; 2002 MP_3, 3, 1, 0; 2002 MS_3, 3, 1, 0; 2002 NY_{40}, 7, 2, 1; (24296), 3, 1, 0; *[28, 8, 0*, 2002/06/30–2002/08/16]*

203 GiaGa Observatory
G. Galli, via Mozart 4, Pogliano Milanese (MI), Italy [gllgianni@tiscalinet.it]
0.13-m $f/6.4$ refractor + CCD
GSC-1.2, USNO-A2.0
1998 MU_{24}, 4, 2, 10; 2002 JR_9, 6, 3, 14; (1036), 6, 3, 6; (1922), 6, 3, 14; (39968), 6, 3, 6; (39969), 6, 3, 6; (41305), 4, 2, 2; (43372), 4, 2, 10; *[42, 8, 0*, 2002/05/14–2002/06/14]*

204 Schiaparelli Observatory
F. Bellini, via A. del Sarto 3, I-21100 Varese, Italy [astrogeo@astrogeo.va.it]
Observers A. Aletti, L. Buzzi, F. Bellini, O. De Santis, A. Teldeschi
Measurers L. Buzzi, F. Bellini
0.6-m $f/4.64$ reflector + CCD
USNO-A2.0
2002 NY_{40}, 43, 6, 9; 2002 PG_{80}, 1, 1, 0; (3539), 3, 1, 0; (21910), 7, 1, 0; *[54, 4, 0*, 2002/06/26–2002/08/16]*

209 Asiago Observatory, Cima Ekar-ADAS
C. Barbieri, Astronomical Observatory and Dept. of Astronomy of the University of Padova, Vicolo Osservatorio 5, I-35122 Padova, Italy [barbieri@pd.astro.it]
G. Hahn, DLR-Institute of Space Sensor Technology and Planetary Exploration Rutherfordstrasse 2, D-12489 Berlin, Germany [Gerhard.Hahn@DLR.de]
Observers C. Barbieri, G. Pignata, S. Magrin, I. Bertini
Measurers G. Pignata, S. Magrin, G. Hahn, M. Hoffmann, S. Mottola
0.67-m/0.92-m Schmidt + CCD
GSC-1.1, USNO-SA2.0
1996 GF_{20}, 3, 1, 0; 1998 HG_{39}, 3, 1, 0; 1999 KC_{17}, 3, 1, 0; 1999 TN_{19}, 3, 1, 0; 1999 TN_{258}, 3, 1, 0; 2000 ET_{70}, 3, 1, 0; 2000 HO_{53}, 3, 1, 0; 2000 KP_7, 3, 1, 0; 2000 KP_{13}, 3, 1, 0; 2000 LD_{14}, 3, 1, 0; 2000 QN_{97}, 3, 1, 0; 2000 SS_{65}, 3, 1, 0; 2000 SU_{333}, 3, 1, 0; 2000 YB_{79}, 3, 1, 0; 2001 QM_{28}, 3, 1, 0; 2001 QB_{152}, 3, 1, 0; 2001 SC_{76}, 3, 1, 0; 2001 SJ_{107}, 3, 1, 0; 2001 SZ_{286}, 3, 1, 0; 2001 TF_{46}, 3, 1, 0; 2001 TK_{65}, 3, 1, 0; 2001 UA_{35}, 3, 1, 0; 2001 UR_{93}, 3, 1, 0; 2001 UY_{182}, 3, 1, 0; 2001 UJ_{199}, 3, 1, 0; 2001 UY_{206}, 3, 1, 0; 2001 UZ_{206}, 3, 1, 0; 2001 UG_{209}, 3, 1, 0; 2001 VP_3, 3, 1, 0; 2001 VG_{52}, 3, 1, 0; 2001 WQ_{97}, 3, 1, 0; 2001 WS_{97}, 3, 1, 0; 2001 YH_{150}, 3, 1, 0; 2002 CJ_{286}, 3, 1, 0; 2002 CW_{303}, 3, 1, 0; 2002 EV_1, 3, 1, 0; 2002 EM_{77}, 3, 1, 0; 2002 EF_{103}, 3, 1, 0; 2002 FW_{30}, 3, 1, 0; 2002 GP_{14}, 3, 1, 0; 2002 GL_{72}, 3, 1, 0; 2002 GX_{174}, 3, 1, 0; 2002 JH_{129}, 3, 1, 0; 2002 KP_3, 3, 1, 0; 2002 LB_{52}, 3, 1, 0; 2002 NA_{11}, 3, 1, 0; (31), 3, 1, 0; (783), 3, 1, 0; (1216), 1, 1, 0; (2183), 3, 1, 0; (3091), 3, 1, 0; (3400), 3, 1, 0; (4836), 3, 1, 0; (6753), 3, 1, 0; (7160), 3, 1, 0; (10092), 3, 1, 0; (10550), 3, 1, 0; (10626), 3, 1, 0; (10747), 3, 1, 0; (10839), 3, 1, 0; (10988), 3, 1, 0; (13391), 3, 1, 0; (15305), 3, 1, 0; (15811), 3, 1, 0; (16369), 3, 1, 0; (16929), 3, 1, 0; (17135), 3, 1, 0; (22055), 3, 1, 0; (27858), 3, 1, 0; (28218), 3, 1, 0; (28894), 3, 1, 0; (29077), 3, 1, 0; (29233), 3, 1, 0; (29549), 3, 1, 0; (29749), 3, 1, 0; (29766), 3, 1, 0; (29871), 3, 1, 0; (29931), 3, 1, 0; (30117), 3, 1, 0; (30216), 3, 1, 0; (30308), 3, 1, 0; (30614), 3, 1, 0; (31168), 3, 1, 0; (31935), 3, 1, 0; (34084), 3, 1, 0; (36395), 3, 1, 0; (38597), 3, 1, 0; (40009), 3, 1, 0; *[262, 88, 0*, 2001/02/01–2002/03/14]*

213 Observatorio Montcabre
R. Naves N., c/o J. Balmes, no. 24 Cabrils, E-08348 Barcelona, Spain [rnaves@eresmas.com]
Observer R. Naves
Measurer M. Campas
0.25-m $f/3.3$ Schmidt-Cassegrain + CCD
GSC-1.1, USNO-A2.0
2002 NY_{40}, 3, 1, 0; 2002 NA_{56}, 7, 1, 0; *[10, 2, 0*, 2002/08/11–2002/08/14]*

215 Buchloe
W. Hasubick, Fischerweg 24, D-86807 Buchloe, Germany [werner.hasubick@t-online.de]
Observer W. Hasubick
0.44-m $f/4.6$ reflector + CCD
USNO-A2.0
2001 YJ_4, 3, 1, 0; 2002 KH_3, 1, 1, 0; 2002 NP_1, 3, 1, 0; 2002 NV_{16}, 3, 1, 0; 2002 NW_{16}, 1, 1, 0; 2002 NX_{18}, 3, 1, 0; 2002 NY_{40}, 3, 1, 0; 2002 ON_4, 3, 1, 0; 2002 PB, 3, 1, 0; 2002 PR_1, 3, 1, 0; 2002 PQ_6, 3, 1, 0; 2002 PY_{39}, 3, 1, 0; 2002 PZ_{39}, 3, 1, 0; (8201), 3, 1, 0; (16960), 3, 1, 0; *[41, 15, 0*, 2002/08/14–2002/08/15]*

225 Northwood Ridge Observatory
J. A. Blackwell, Northwood Ridge Observatory, 32 Temperance Hill Drive, Northwood, NH 03261, U.S.A. [johnb@regulusastro.com]
0.106-m $f/5$ refractor + CCD
USNO-A2.0
(25), 4, 2, 2; *[4, 1, 0*, 2002/08/08–2002/08/10]*

232 Masquefa Observatory
E. Reina L., Pl. Virgen de Montserrat, 1 Etlo. 2 B, E-08901 Hospitalet, Spain [estrei@terra.es]
0.25-m $f/6.3$ Schmidt-Cassegrain + CCD
GSC-1.1
1999 HF_1, 4, 1, 0; 2002 JR_9, 7, 1, 0; 2002 NX_{18}, 8, 1, 0; 2002 NY_{40}, 14, 3, 6; 2002 PM_6, 4, 1, 0; (433), 5, 1, 0; (6560), 6, 1, 0; *[48, 7, 0*, 2002/06/22–2002/08/13]*

233 Sauro Donati Astronomical Observatory, San Vito
S. Donati, Sauro Donati Astronomical Observatory, San Vito, Lucca, Italy [saurdon@tin.it]
0.25-m $f/6.3$ Schmidt-Cassegrain + CCD
USNO-A1.0
2002 LB_6, 6, 1, 0; *[6, 1, 0*, 2002/07/07]*

235 Talmassons
R. Ligustri, Circulo Astrofili Talmassons Observatory, Talmassons (UD), Italy [ligustri.rolando@tiscalinet.it]
Observers R. Ligustri, P. Beltrame, V. Savani, G. Degano, G. Romano, M. Zorzenon
Measurer R. Ligustri
0.35-m $f/3.5$ reflector + CCD
USNO A2.0
2002 NY_{40}, 2, 1, 0; *[2, 1, 0*, 2002/08/14]*

239 Michael Adrian Observatory, Trebur
M. Kretlow, Michael Adrian Observatorium, Fichtenstrasse 7, D-65468 Trebur, Germany [mkretlow@gmx.de]
Observers M. Kretlow, J. Ohlert
Measurer M. Kretlow
1.0-m $f/8.3$ Cassegrain + CCD
USNO-SA1.0
1999 TS_{243}, 6, 2, 4; 2000 YX_{26}, 2, 1, 0; 2001 HQ_2, 3, 1, 0; (11411), 3, 1, 0; (39642), 2, 1, 0; (40804), 3, 1, 0; (41333), 2, 1, 0; (41981), 2, 1, 0; (43522), 3, 1, 0; *[26, 9, 0*, 2002/06/14–2002/06/21]*

240 Herrenberg Sternwarte
H. Michels, Enstr. 10, D-71083 Herrenberg, Germany [Sternwarte-Herrenberg@t-online.de]
USNO-A2.0
0.40-m $f/5$ Newtonian + CCD
1999 KW_4, 3, 1, 0; 2002 AJ_{29}, 3, 1, 0; 2002 LB_6, 3, 1, 0; 2002 NX, 8, 2, 2; 2002 NW_{16}, 3, 1, 0; 2002 NY_{40}, 6, 1, 0; 2002 OS_4, 2, 1, 0; 2002 PR_1, 3, 1, 0; 2002 PM_6, 3, 1, 0; 2002 PZ_{39}, 4, 1, 0; (1036), 3, 1, 0; (3199), 3, 1, 0; (8026), 3, 1, 0; (8567), 3, 1, 0; (18582), 3, 1, 0; (42811), 3, 1, 0; *[56, 16, 0∗, 2002/07/10–2002/08/15]*

243 Umbrella Observatory
J. Schirmer, Falkenwg 19, D-21717 Fredenbeck, Germany [joerg.schirmer@t-online.de]
0.10-m $f/9.1$ refractor + CCD
USNO-A2.0
(1036), 1, 1, 0; *[1, 1, 0∗, 2002/07/15]*

246 Kleť–KLENOT
J. Tichá, Hvězdárna Kleť, Zátkovo nábřeží 4, CZ-37001 České Budějovice, Czech Republic [klet@klet.cz]
Observers J. Tichá, M. Tichý, M. Kočer
Measurers M. Tichý, M. Kočer
1.06-m KLENOT reflector + CCD
USNO-A2.0
GA CR 205/98/0266
1997 AU_{12}, 3, 1, 0; 1997 OK_1, 4, 1, 0; 1998 WT_{40}, 5, 1, 0; 1999 LQ_5, 8, 1, 0; 1999 NB_5, 4, 1, 0; 1999 RE_{37}, 8, 1, 0; 1999 VX_{79}, 4, 1, 0; 1999 XO_{137}, 9, 1, 0; 2000 AE_{38}, 4, 1, 0; 2000 CL_{44}, 5, 1, 0; 2000 CE_{80}, 10, 1, 0; 2000 EX_{91}, 2, 1, 0; 2001 BM_{20}, 3, 1, 0; 2002 KD_{14}, 10, 1, 0; 2002 LT_{24}, 9, 2, 8; 2002 LE_{31}, 16, 3, 4; 2002 LY_{45}, 10, 2, 5; 2002 MT_1, 11, 2, 2; 2002 MZ_1, 4, 1, 0; 2002 MO_3, 10, 2, 1; 2002 MP_3, 11, 2, 7; 2002 MQ_3, 10, 2, 4; 2002 MR_3, 5, 1, 0; 2002 MS_3, 30, 5, 9; 2002 MT_3, 28, 6, 12; 2002 NV, 12, 2, 2; 2002 NW, 8, 1, 0; 2002 NX, 15, 2, 2; 2002 NR_2, 13, 2, 3; 2002 NN_4, 12, 2, 3; 2002 NO_4 ∗, 27, 3, 4; 2002 NJ_7, 4, 2, 3; 2002 NJ_{30}, 8, 1, 0; 2002 NJ_{34}, 8, 1, 0; 2002 OL_{15}, 7, 1, 0; 2002 ON_{17}, 5, 1, 0; 2002 OD_{20}, 5, 1, 0; 2002 PB, 6, 1, 0; 2002 PN, 5, 1, 0; 2002 PM_6, 4, 1, 0; 2002 PN_6, 6, 1, 0; 2002 PO_6, 4, 1, 0; 2002 PP_6, 5, 1, 0; 2002 PQ_6, 8, 1, 0; 2002 PC_{11}, 6, 1, 0; 2002 PD_{11}, 8, 1, 0; (3077), 3, 1, 0; (8407), 6, 1, 0; (13235), 4, 1, 0; (13378), 8, 1, 0; (16097), 4, 1, 0; (19138), 6, 1, 0; (25061), 5, 1, 0; *[435, 53, 1∗, 2002/06/29–2002/08/10]*

250 Hubble Space Telescope
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Observer K. Noll
Measurers R. W. Evans, K. R. Stapelfeldt
2.4-m reflector + $f/28.3$ CCD, 2.4-m reflector + $f/12.9$ CCD
2001 RV_{150}, 4, 1, 0; *[4, 1, 0∗, 1996/01/14]*

260 Siding Spring-DSS
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F. Anzellini, Via Salvo D'Acquisto 1/i, I-02047 Poggio Mirteto (RI), Italy [f.anzellini@libero.it] (9)
Measurers A. Boattini (2), G. Forti (2), M. Tombelli (2), L. Tesi (2), V. S. Casulli (3), A. Lowe (4), F. Anzellini (9)
1.2-m U.K. Schmidt

{2} 2002 HK_{12}, 2, 1, 0; (5095), 5, 1, 0; *[7, 2, 0∗, 1985/06/11–1995/12/21]*

{3} 2002 FB_{29}, 2, 1, 0; *[2, 1, 0∗, 1991/03/25]*

{4} 1978 UJ_4, 2, 1, 0; 1985 PM_1, 4, 2, 3737; 1988 NA, 2, 1, 0; 1990 SD_3, 2, 1, 0; 1991 RS_{20}, 2, 1, 0; 1997 PA_4, 2, 1, 0; 1997 UX_3, 4, 2, 26; 1997 WQ_{28}, 4, 2, 3312; 1997 WL_{36}, 2, 1, 0; 1997 WP_{47}, 4, 2, 3282; 1998 BA_{44}, 2, 1, 0; 1998 FC_{30}, 2, 1, 0; 1998 OK_{14}, 2, 1, 0; 1998 RU_4, 4, 2, 19; 1998 TS_5, 2, 1, 0; 1998 TU_5, 2, 1, 0; 1999 CF_{11}, 2, 1, 0; 1999 CD_{23}, 2, 1, 0; 1999 CK_{103}, 6, 3, 6963; 1999 JT_{11}, 4, 2, 5193; 1999 LQ_5, 2, 1, 0; 1999 RR_{155}, 4, 2, 31; 1999 TV_{173}, 2, 1, 0; 1999 TX_{236}, 2, 1, 0; 1999 UX_{45}, 2, 1, 0; 1999 VG_{82}, 2, 1, 0; 1999 XC_{104}, 6, 3, 84; 1999 YF, 2, 1, 0; 1999 YZ_2, 4, 2, 3012; 2000 CW_{35}, 2, 1, 0; 2000 CE_{36}, 2, 1, 0; 2000 CS_{39}, 2, 1, 0; 2000 CA_{40}, 2, 1, 0; 2000 EV_{49}, 2, 1, 0; 2000 EG_{112}, 2, 1, 0; 2000 FD_{31}, 2, 1, 0; 2000 LV, 2, 1, 0; 2000 NS_5, 2, 1, 0; 2000 NU_5, 2, 1, 0; 2000 QW_{123}, 2, 1, 0; 2000 RU_{44}, 4, 2, 3337; 2000 SH_{321}, 2, 1, 0; 2000 TO_{38}, 2, 1, 0; 2000 TH_{61}, 4, 2, 3303; 2000 UG_{13}, 4, 2, 28; 2000 UO_{97}, 4, 2, 73; 2000 UT_{97}, 2, 1, 0; 2000 UT_{110}, 2, 1, 0; 2000 WJ_{19}, 6, 3, 5868; 2000 WH_{69}, 2, 1, 0; 2000 WX_{95}, 4, 2, 2122; 2000 WN_{146}, 2, 1, 0; 2000 XL_7, 4, 2, 2599; 2000 XN_{11}, 2, 1, 0; 2000 XB_{15}, 4, 2, 4; 2000 XW_{15}, 2, 1, 0; 2000 XV_{41}, 2, 1, 0; 2000 YV_{29}, 2, 1, 0; 2000 YT_{121}, 2, 1, 0; 2001 AG_{41}, 4, 2, 88; 2001 CL_{20}, 4, 2, 1137; 2001 CN_{35}, 2, 1, 0; 2001 CO_{36}, 2, 1, 0; 2001 CT_{38}, 2, 1, 0; 2001 CD_{43}, 2, 1, 0; 2001 DN_{70}, 2, 1, 0; 2001 DB_{95}, 4, 2, 44; 2001 FL_{54}, 4, 2, 4430; 2001 LD_{14}, 2, 1, 0; 2001 MZ_6, 4, 2, 4116; 2001 ME_9, 4, 2, 1855; 2001 MD_{24}, 4, 2, 92; 2001 OF_2, 2, 1, 0; 2001 OB_6, 2, 1, 0; 2001 OG_{13}, 2, 1, 0; 2001 OH_{35}, 2, 1, 0; 2001 OV_{54}, 2, 1, 0; 2001 OZ_{62}, 2, 1, 0; 2001 OW_{102}, 2, 1, 0; 2001 OZ_{104}, 2, 1, 0; 2001 PE_{27}, 2, 1, 0; 2001 PC_{45}, 4, 2, 24; 2001 QY_{27}, 2, 1, 0; 2001 QX_{30}, 2, 1, 0; 2001 QH_{31}, 4, 2, 37; 2001 QN_{53}, 2, 1, 0; 2001 QX_{58}, 4, 2, 862; 2001 QK_{89}, 4, 2, 1827; 2001 QD_{99}, 6, 3, 1915; 2001 QB_{178}, 4, 2, 50; 2001 ST_{106}, 4, 2, 1030; 2001 SE_{109}, 2, 1, 0; 2001 TA_{48}, 2, 1, 0; 2001 TL_{122}, 2, 1, 0; 2001 TR_{235}, 2, 1, 0; 2001 UM_{23}, 2, 1, 0; 2001 XD_3, 4, 2, 5097; 2001 XX_7, 6, 3, 1268; 2001 XQ_{23}, 2, 1, 0; 2001 XW_{24}, 2, 1, 0; 2001 XA_{152}, 6, 3, 28; 2001 YH_2, 2, 1, 0; 2001 YQ_2, 4, 2, 26; 2001 YQ_{75}, 6, 3, 2417; 2002 AC_{155}, 2, 1, 0; 2002 CN_7, 2, 1, 0; 2002 CR_{236}, 4, 2, 63; 2002 GM_{17}, 4, 2, 4648; 2002 JO_{97}, 4, 2, 1095; 2002 JZ_{97}, 2, 1, 0; 2002 JK_{143}, 4, 2, 2896; 2002 LH_5, 4, 2, 418; 2002 LM_{25}, 2, 1, 0; 6078 P-L, 2, 1, 0; 1023 T-3, 6, 3, 6123; (22749), 2, 1, 0; (24775), 4, 2, 1448; *[338, 117, 0∗, 1974/06/18–1997/09/27]*

{9} 1998 RG_1, 2, 1, 0; 1998 RO_{20}, 2, 1, 0; 1998 SJ_{12}, 2, 1, 0; 1998 SA_{22}, 2, 1, 0; 1998 SF_{22}, 2, 1, 0; 1998 SH_{22}, 2, 1, 0; 1998 SO_{22}, 4, 2, 4221; 1998 SB_{49}, 2, 1, 0; 1998 TE_5, 2, 1, 0; 1998 TF_5, 2, 1, 0; 1998 TO_5, 4, 2, 2321; 1998 TQ_{17}, 2, 1, 0; 1998 UF_7, 2, 1, 0; 1998 UN_7, 2, 1, 0; 1998 UV_7, 2, 1, 0; 1998 UL_{16}, 2, 1, 0; 1998 UY_{19}, 2, 1, 0; 1998 UO_{20}, 2, 1, 0; 1998 VO_{31}, 2, 1, 0; 1998 VC_{44}, 2, 1, 0; 1998 XM_5, 2, 1, 0; 1998 YD, 4, 2, 1490; 1998 YP_1, 2, 1, 0; 1998 YA_7, 2, 1, 0; 1998 YO_9, 2, 1, 0; 1998 YV_9, 2, 1, 0; 1998 YZ_9, 2, 1, 0; 1999 AB_2, 2, 1, 0; 1999 AH_4, 2, 1, 0; 1999 AS_6, 2, 1, 0; 1999 AV_6, 2, 1, 0; 1999 JE_{10}, 2, 1, 0; 2000 YE_{119}, 2, 1, 0; 2001 TH_{47}, 2, 1, 0; 2001 XX_{30}, 2, 1, 0; 2001 YN_5, 2, 1, 0; 2001 YU_5, 2, 1, 0; 2001 YM_6, 2, 1, 0; 2001 YO_6, 4, 2, 1366; 2002 AO_6, 2, 1, 0; 2002 AY_6, 2, 1, 0; 2002 EE_4, 2, 1, 0; *[92, 42, 0∗, 1976/06/28–1996/11/02]*

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Measurers A. Boattini (2), G. Forti (2), M. Tombelli (2), L. Tesi (2), V. S. Casulli (3), A. Lowe (4), F. Anzellini (9)
1.2-m Schmidt

{2} 2002 KH_4, 2, 1, 0; *[2, 1, 0∗, 1995/07/01]*

{3} 2002 FK_{24}, 2, 1, 0; *[2, 1, 0∗, 1995/02/26]*

{4} 1978 NN, 2, 1, 0; 1981 EJ_{40}, 2, 1, 0; 1985 PM_1, 2, 1, 0; 1992 AJ_1, 4, 2, 90; 1993 YN, 2, 1, 0; 1995 SH_4, 2, 1, 0; 1996 LB_3, 2, 1, 0; 1996 TX_{64}, 6, 3, 2946; 1997 AS_2, 4, 2, 13945; 1997 LY_4, 2, 1, 0; 1997 TX_9, 4, 2, 3052; 1997 WQ_{28}, 6, 3, 14186; 1997 WK_{50}, 2, 1, 0; 1998 AD, 6, 3, 1443; 1998 BD_1, 2, 1, 0; 1998 BA_{44}, 4, 2, 2734; 1998 FL_2, 2, 1, 0; 1998 FE_{25}, 2, 1, 0; 1998 FC_{30}, 2, 1, 0; 1998 RU_4, 4, 2, 8; 1999 BX_3, 2, 1, 0; 1999 CD_{23}, 6, 3, 1524; 1999 CK_{103}, 2, 1, 0; 1999 CV_{116}, 4, 2, 12885; 1999 JT_{11}, 4, 2, 12817; 1999 LQ_5, 4, 2, 1152; 1999 RY_{120}, 2, 1, 0; 1999 TT_{100}, 4, 2, 24; 1999 TX_{236}, 10, 5, 2901; 1999 VG_{82}, 2, 1, 0; 1999 VT_{170}, 2, 1, 0; 1999 XG_{35}, 2, 1, 0; 1999 XC_{104}, 4, 2, 60; 1999 XT_{142}, 2, 1, 0; 1999 XJ_{214}, 8, 4, 14855; 1999 YF, 2, 1, 0; 1999 YZ_2, 6, 3, 477;

2000 AU_{93}, 2, 1, 0; 2000 CE_{36}, 6, 3, 13662; 2000 EE_{109}, 4, 2, 2242; 2000 EG_{112}, 4, 2, 13282; 2000 FJ_{15}, 4, 2, 27; 2000 GC_{86}, 4, 2, 14313; 2000 LV, 4, 2, 1507; 2000 NS_5, 4, 2, 1; 2000 NU_5, 2, 1, 0; 2000 SM_{120}, 4, 2, 28; 2000 SG_{182}, 6, 3, 2623; 2000 TO_{38}, 4, 2, 13090; 2000 TH_{61}, 4, 2, 1912; 2000 UG_{13}, 6, 3, 4040; 2000 UO_{97}, 2, 1, 0; 2000 UT_{97}, 4, 2, 15847; 2000 UT_{110}, 2, 1, 0; 2000 WJ_{19}, 4, 2, 1711; 2000 WX_{95}, 2, 1, 0; 2000 WS_{117}, 2, 1, 0; 2000 XL_7, 2, 1, 0; 2000 XV_7, 10, 5, 12781; 2000 XE_{10}, 6, 3, 998; 2000 XN_{11}, 10, 5, 15468; 2000 XW_{15}, 4, 2, 16477; 2000 XB_{28}, 6, 3, 436; 2000 XV_{41}, 2, 1, 0; 2000 YN_2, 2, 1, 0; 2000 YV_{29}, 4, 2, 1855; 2000 YC_{102}, 4, 2, 14853; 2000 YE_{119}, 2, 1, 0; 2000 YT_{121}, 2, 1, 0; 2001 BJ_{70}, 2, 1, 0; 2001 CN, 4, 2, 15008; 2001 CW_6, 2, 1, 0; 2001 CY_{41}, 2, 1, 0; 2001 CD_{43}, 4, 2, 20; 2001 FB, 8, 4, 15059; 2001 FL_{54}, 6, 3, 13319; 2001 ME_9, 6, 3, 1442; 2001 MD_{24}, 2, 1, 0; 2001 NZ_2, 6, 3, 45; 2001 NT_{15}, 4, 2, 1434; 2001 OF_2, 2, 1, 0; 2001 OB_6, 4, 2, 1; 2001 OJ_{25}, 8, 4, 13832; 2001 OV_{54}, 2, 1, 0; 2001 OZ_{62}, 4, 2, 1411; 2001 OW_{102}, 2, 1, 0; 2001 PE_{27}, 2, 1, 0; 2001 QY_{27}, 2, 1, 0; 2001 QX_{30}, 6, 3, 11628; 2001 QG_{32}, 2, 1, 0; 2001 QN_{53}, 6, 3, 1898; 2001 QX_{58}, 2, 1, 0; 2001 QU_{90}, 4, 2, 14186; 2001 QH_{115}, 2, 1, 0; 2001 QW_{140}, 6, 3, 1544; 2001 QU_{148}, 6, 3, 13943; 2001 RR_{10}, 4, 2, 49; 2001 SE_{109}, 2, 1, 0; 2001 SX_{276}, 4, 2, 1978; 2001 SX_{316}, 4, 2, 1520; 2001 SY_{345}, 6, 3, 428; 2001 TA_{48}, 2, 1, 0; 2001 TH_{82}, 4, 2, 2; 2001 TH_{118}, 2, 1, 0; 2001 TO_{118}, 2, 1, 0; 2001 TL_{122}, 6, 3, 14277; 2001 TR_{235}, 8, 4, 1334; 2001 UM_{23}, 4, 2, 55; 2001 XD_3, 2, 1, 0; 2001 XD_{22}, 2, 1, 0; 2001 XQ_{23}, 2, 1, 0; 2001 XH_{27}, 4, 2, 12784; 2001 XQ_{68}, 6, 3, 1452; 2001 XA_{152}, 2, 1, 0; 2001 XE_{215}, 6, 3, 1528; 2001 YH_2, 6, 3, 14921; 2002 AQ, 2, 1, 0; 2002 AW_2, 2, 1, 0; 2002 CR_{236}, 2, 1, 0; 2002 JA_{101}, 2, 1, 0; 2002 JK_{143}, 2, 1, 0; 2002 LM_{25}, 4, 2, 2000; 2002 NR, 4, 2, 24; 3356 T-2, 4, 2, 3490; 1023 T-3, 4, 2, 19; 2398 T-3, 2, 1, 0; (22508), 6, 3, 62; (22730), 2, 1, 0; (22749), 2, 1, 0; (22756), 2, 1, 0; (24775), 4, 2, 1422; *[484, 131, 0*, 1949/11/21–1998/12/28]*

{9} 1998 QZ_{55}, 2, 1, 0; 1998 RG_1, 4, 2, 530; 1998 RC_5, 2, 1, 0; 1998 SX_9, 2, 1, 0; 1998 SJ_{12}, 2, 1, 0; 1998 SA_{22}, 2, 1, 0; 1998 TE_5, 2, 1, 0; 1998 TG_5, 2, 1, 0; 1998 TO_5, 2, 1, 0; 1998 TV_{29}, 2, 1, 0; 1998 UD_4, 4, 2, 15467; 1998 UA_7, 2, 1, 0; 1998 UB_7, 2, 1, 0; 1998 UF_7, 2, 1, 0; 1998 UH_7, 2, 1, 0; 1998 UG_8, 2, 1, 0; 1998 UM_{15}, 2, 1, 0; 1998 UX_{22}, 2, 1, 0; 1998 VC_{44}, 4, 2, 1453; 1998 WM_9, 4, 2, 14937; 1998 XV_{16}, 2, 1, 0; 1998 YD, 2, 1, 0; 1998 YR_3, 4, 2, 1935; 1999 AG, 6, 3, 3152; 1999 AH_4, 2, 1, 0; 1999 AV_6, 4, 2, 1512; 2001 FS_{169}, 2, 1, 0; 2001 PN_{42}, 2, 1, 0; 2001 TH_{47}, 2, 1, 0; 2001 YS_{90}, 2, 1, 0; 2002 AE_1, 4, 2, 14595; 2002 AH_1, 4, 2, 1; 2002 AK_1, 2, 1, 0; 2002 AY_6, 2, 1, 0; 2002 AE_7, 2, 1, 0; 2002 CF, 2, 1, 0; 2002 DP_1, 2, 1, 0; 2002 EE_4, 2, 1, 0; 2002 EB_5, 2, 1, 0; 2002 ED_5, 2, 1, 0; 2002 EJ_8, 2, 1, 0; 2002 EX_{12}, 2, 1, 0; *[104, 42, 0*, 1949/11/19–1997/03/06]*

262 European Southern Observatory-DSS

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Measurer A. Gnädig (ASTROVIRTEL/DANEOPS)

2.2-m reflector + CCD

USNO-SA2.0

2002 KH_4, 6, 2, 1; *[6, 1, 0*, 2000/11/26–2000/11/27]*

291 Kitt Peak, Steward Observatory-Spacewatch II

R. S. McMillan, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [bob@lpl.arizona.edu]

Observers A. S. Descour, R. S. McMillan, M. Block, J. A. Larsen, J. V. Scotti

Measurer Program IMPACT (v2.1)

1.8-m Spacewatch Telescope + CCD

USNO-SA2.0

1991 RE_{14}, 3, 1, 0; 1993 TX_{36}, 3, 1, 0; 1994 AN_{15}, 3, 1, 0; 1994 JV_4, 3, 1, 0; 1994 PU_9, 3, 1, 0; 1994 PE_{16}, 3, 1, 0; 1995 BS_{14}, 6, 2, 20; 1995 CN_6, 3, 1, 0; 1995 MU_7, 3, 1, 0; 1995 SC_{26}, 3, 1, 0; 1996 NU, 3, 1, 0; 1996 RB_{18}, 6, 2, 19; 1996 TG_{41}, 3, 1, 0; 1997 AU_{12}, 3, 1, 0; 1997 AC_{16}, 3, 1, 0; 1997 BL_5, 3, 1, 0; 1997 ER_{10}, 3, 1, 0; 1997 EE_{19}, 9, 2, 14; 1997 ED_{23}, 3, 1, 0; 1997 EV_{49}, 3, 1, 0; 1997 GL, 3, 1, 0; 1997 GO_{19}, 3, 1, 0; 1997 HR_{16}, 3, 1, 0; 1997 JR_9, 3, 1, 0; 1997 RE_3, 3, 1, 0; 1997 SY_3, 3, 1, 0; 1997 TD_{16}, 3, 1, 0; 1998 FA_{16}, 3, 1, 0; 1998 FR_{26}, 3, 1, 0; 1998 FW_{36}, 3, 1, 0; 1998 FH_{39}, 3, 1, 0; 1998 FP_{43}, 3, 1, 0; 1998 FH_{55}, 3, 1, 0; 1998 FR_{65}, 3, 1, 0; 1998 FB_{70}, 3, 1, 0; 1998 HS_{59}, 6, 2, 13; 1998 HE_{74}, 3, 1, 0; 1998 HH_{74}, 3, 1, 0; 1998 HL_{80}, 3, 1, 0; 1998 KT_7, 3, 1, 0; 1998 OR_2, 6, 2, 1; 1998 QF_{37}, 3, 1, 0; 1998 QH_{53}, 3, 1, 0; 1998 QC_{95}, 3, 1, 0; 1998 RV_{45}, 3, 1, 0; 1998 RC_{48}, 3, 1, 0; 1998 RQ_{48}, 3, 1, 0; 1998 RS_{66}, 3, 1, 0; 1998 RW_{72}, 3, 1, 0; 1998 RV_{74}, 3, 1, 0; 1998 SR_{31}, 3, 1, 0; 1998 SM_{73}, 3, 1, 0; 1998 SZ_{127}, 3, 1, 0; 1998 SJ_{139}, 3, 1, 0; 1998 TE_{27}, 6, 2, 1; 1998 VC_{15}, 3, 1, 0; 1998 VP_{34}, 3, 1, 0; 1998 WE, 3, 1, 0; 1998 XM_5, 3, 1, 0; 1998 XX_{40}, 3, 1, 0; 1998 XW_{46}, 3, 1, 0; 1998 YV, 3, 1, 0; 1999 BY_9, 3, 1, 0; 1999 FG, 3, 1, 0; 1999 GG_{44}, 3, 1, 0; 1999 JK_{130}, 3, 1, 0; 1999 RT_{83}, 3, 1, 0; 1999 RU_{85}, 3, 1, 0; 1999 RF_{139}, 3, 1, 0; 1999 RU_{139}, 3, 1, 0; 1999 RA_{152}, 3, 1, 0; 1999 RK_{153}, 3, 1, 0; 1999 RT_{155}, 3, 1, 0; 1999 RV_{157}, 3, 1, 0; 1999 RD_{179}, 3, 1, 0; 1999 RH_{189}, 3, 1, 0; 1999 RO_{222}, 3, 1, 0; 1999 RT_{234}, 3, 1, 0; 1999 RS_{247}, 3, 1, 0; 1999 SF_{26}, 6, 2, 23; 1999 TF_3, 3, 1, 0; 1999 TC_5, 3, 1, 0; 1999 TT_{12}, 3, 1, 0; 1999 TF_{17}, 3, 1, 0; 1999 TF_{25}, 3, 1, 0; 1999 TL_{33}, 3, 1, 0; 1999 TB_{83}, 3, 1, 0; 1999 TL_{85}, 6, 2, 7; 1999 TA_{96}, 3, 1, 0; 1999 TC_{114}, 6, 2, 14; 1999 TS_{114}, 3, 1, 0; 1999 TW_{116}, 3, 1, 0; 1999 TL_{120}, 3, 1, 0; 1999 TF_{122}, 3, 1, 0; 1999 TE_{135}, 3, 1, 0; 1999 TU_{135}, 3, 1, 0; 1999 TW_{141}, 3, 1, 0; 1999 TE_{142}, 3, 1, 0; 1999 TH_{153}, 3, 1, 0; 1999 TJ_{158}, 9, 2, 10; 1999 TQ_{159}, 6, 2, 36; 1999 TG_{179}, 3, 1, 0; 1999 TE_{218}, 3, 1, 0; 1999 TO_{223}, 3, 1, 0; 1999 TC_{232}, 3, 1, 0; 1999 TC_{233}, 3, 1, 0; 1999 TJ_{243}, 3, 1, 0; 1999 TU_{252}, 3, 1, 0; 1999 TF_{255}, 3, 1, 0; 1999 TX_{311}, 3, 1, 0; 1999 TN_{313}, 3, 1, 0; 1999 UO_4, 3, 1, 0; 1999 UF_6, 3, 1, 0; 1999 UM_{12}, 3, 1, 0; 1999 UT_{12}, 3, 1, 0; 1999 UF_{18}, 3, 1, 0; 1999 UM_{20}, 3, 1, 0; 1999 UM_{22}, 3, 1, 0; 1999 UM_{30}, 3, 1, 0; 1999 UX_{49}, 3, 1, 0; 1999 UB_{52}, 3, 1, 0; 1999 UQ_{54}, 3, 1, 0; 1999 VO_8, 3, 1, 0; 1999 VS_{10}, 3, 1, 0; 1999 VF_{16}, 3, 1, 0; 1999 VT_{31}, 3, 1, 0; 1999 VA_{41}, 3, 1, 0; 1999 VS_{50}, 3, 1, 0; 1999 VA_{53}, 3, 1, 0; 1999 VT_{59}, 3, 1, 0; 1999 VQ_{62}, 3, 1, 0; 1999 VU_{66}, 3, 1, 0; 1999 VG_{84}, 3, 1, 0; 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Observers A. Asami, D. J. Asher, T. Fuse, N. Hashimoto, A. I. Ibrahim, S. Isobe, K. Nishiyama, Y. Oshima, J. Terazono, H. Umehara, T. Urata, M. Yoshikawa
0.25-m $f/5.0$ reflector + CCD
GSC-ACT

1997 SY_3, 3, 1, 0; 1999 TD_4, 3, 1, 0; 2000 AG_2, 3, 1, 0; 2000 AO_{50}, 3, 1, 0; 2000 WX_{29}, 8, 2, 4; 2002 LV, 11, 2, 3; 2002 NX, 4, 1, 0; 2002 NP_1, 4, 1, 0; 2002 NT_7, 2, 1, 0; 2002 NY_{40}, 77, 9, 16; 2002 PM_6, 6, 1, 0; 2002 PZ_{39}, 18, 3, 3; (433), 11, 2, 5; (798), 6, 1, 0; (2544), 11, 3, 3; (4967), 5, 1, 0; (5199), 8, 2, 1; (20713), 4, 1, 0; (23481), 7, 2, 2; (26346), 7, 2, 3; (26516), 5, 1, 0; *[206, 21, 0*, 2002/07/22–2002/08/17]*

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Observers D. J. Osip, J. L. Elliot, S. D. Kern
Measurer S. D. Kern
Baade 6.5-m telescope + CCD
USNO-A2.0

2000 OJ_{67}, 2, 1, 0; 2000 OK_{67}, 2, 1, 0; 2000 ON_{67}, 6, 3, 3; 2000 QB_{243}, 6, 3, 8; 2000 QC_{243}, 4, 2, 7; 2001 KG_{76}, 4, 2, 2; 2001 KJ_{76}, 6, 3, 3; 2001 KK_{76}, 6, 3, 3; 2001 KU_{76}, 2, 1, 0; 2001 KY_{76}, 2, 1, 0; 2001 KA_{77}, 2, 1, 0; 2001 KC_{77}, 6, 3, 3; 2001 KD_{77}, 4, 2, 5; 2001 KG_{77}, 4, 2, 2; 2001 QY_{297}, 6, 3, 3; 2001 QC_{298}, 2, 1, 0; 2001 QD_{298}, 4, 2, 1; 2002 GW_{32}, 2, 1, 0; (28978), 2, 1, 0; *[72, 19, 0*, 2002/07/09–2002/07/18]*

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0.25-m $f/4.5$ reflector + CCD
USNO-A2.0

2001 VG_5, 6, 1, 0; 2002 GD_{11}, 3, 1, 0; 2002 JM_{97}, 5, 2, 81; 2002 NT_7, 3, 1, 0; 2002 NX_{18}, 3, 1, 0; 2002 NY_{40}, 6, 1, 0; 2002 PM_6, 3, 1, 0; 2002 PZ_{39}, 5, 1, 0; (5604), 2, 1, 0; *[36, 9, 0*, 2002/05/24–2002/08/13]*

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Observers J. Zhu, X. Zhou, S. J. Xue, J. Ma, H. Wu, X. M. Teng, C. H. Liu, S. L. Kong
Measurers X. M. Teng, S. L. Kong, C. H. Liu, J. Zhu
0.60-m Schmidt + CCD
1998 FH_{39}, 3, 1, 0; 1998 SP_{111}, 3, 1, 0; 1999 CX_{64}, 3, 1, 0; 1999 CX_{100}, 3, 1, 0; 1999 CT_{127}, 4, 1, 0; 1999 XF_{19}, 3, 1, 0; 1999 XL_{171}, 3, 1, 0; 1999 XO_{195}, 3, 1, 0; 2000 DV_{75}, 5, 2, 2; 2000 RE_{55}, 3, 1, 0; 2000 SY_{216}, 3, 1, 0; 2000 SK_{292}, 4, 1, 0; 2000 TN_{51}, 3, 1, 0; 2000 TT_{60}, 3, 1, 0; 2000 TP_{61}, 3, 1, 0; 2000 UU_9, 3, 1, 0; 2000 US_{107}, 3, 1, 0; 2000 VA_{54}, 3, 1, 0; 2000 WA_{77}, 3, 1, 0; 2000 WQ_{85}, 3, 1, 0; 2000 XW_{23}, 3, 1, 0; 2000 XJ_{24}, 3, 1, 0; 2000 XH_{33}, 3, 1, 0; 2000 YT_{32}, 3, 1, 0; 2001 FG_{53}, 3, 1, 0; 2001 HY_{43}, 3, 1, 0; 2001 KS_{26}, 3, 1, 0; 2001 KF_{69}, 3, 1, 0; 2001 RJ_{71}, 3, 1, 0; 2001 SO_{338}, 6, 2, 28; 2001 VF_3, 3, 1, 0; 2001 VS_{54}, 3, 1, 0; 2002 HS_{15}, 3, 1, 0; 2002 JH_{72}, 3, 1, 0; 2002 JO_{118}, 4, 1, 0; 2002 JN_{131}, 4, 1, 0; 2002 KP, 3, 1, 0; 2002 LV_{25}, 2, 1, 0; 2002 ND_{20}, 4, 1, 0; 2002 OZ_4, 3, 1, 0; (16590), 3, 1, 0; *[132, 41, 0*, 1995/10/27–1999/01/09]*

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1989 TB_3, 6, 2, 2; 1989 XR_1, 3, 1, 0; 1991 KD, 3, 1, 0; 1997 CZ_5, 3, 1, 0; 1998 DB, 3, 1, 0; 1998 FE_{95}, 3, 1, 0; 1998 HL_{27}, 3, 1, 0; 1998 HT_{53}, 3, 1, 0; 1998 HO_{123}, 3, 1, 0; 1998 HT_{139}, 3, 1, 0; 1998 JJ_4, 3, 1, 0; 1998 KZ_{45}, 3, 1, 0; 1998 QE_{77}, 3, 1, 0; 1998 QL_{87}, 3, 1, 0; 1998 QD_{94}, 3, 1, 0; 1998 RZ_{42}, 3, 1, 0; 1998 RC_{74}, 3, 1, 0; 1998 WJ_2, 3, 1, 0; 1999 LQ_5, 3, 1, 0; 1999 NG_{30}, 3, 1, 0; 1999 RY_{114}, 3, 1, 0; 1999 RL_{205}, 3, 1, 0; 1999 TS_{104}, 12, 1, 0; 1999 TA_{131}, 3, 1, 0; 1999 TQ_{236}, 3, 1, 0; 1999 UR_{38}, 3, 1, 0; 1999 VL_9, 3, 1, 0; 1999 VV_{24}, 3, 1, 0; 1999 VH_{25}, 3, 1, 0; 1999 VP_{43}, 3, 1, 0; 1999 VN_{72}, 6, 1, 0; 1999 VL_{82}, 9, 2, 1; 1999 VO_{158}, 3, 1, 0; 1999 VX_{184}, 3, 1, 0; 1999 XM_{26}, 3, 1, 0; 1999 XT_{114}, 3, 1, 0; 1999 XN_{230}, 3, 1, 0; 2000 AZ_{37}, 2, 1, 0; 2000 AF_{45}, 3, 1, 0; 2000 AX_{55}, 3, 1, 0; 2000 AK_{56}, 3, 1, 0; 2000 AU_{59}, 3, 1, 0; 2000 AP_{93}, 3, 1, 0; 2000 AW_{102}, 3, 1, 0; 2000 AG_{162}, 3, 1, 0; 2000 AX_{173}, 3, 1, 0; 2000 AX_{177}, 3, 1, 0; 2000 CP_{12}, 3, 1, 0; 2000 WX_{29}, 3, 1, 0; 2000 WL_{124}, 3, 1, 0; 2000 YF_{121}, 3, 1, 0; 2001 BX_{14}, 3, 1, 0; 2001 BS_{23}, 3, 1, 0; 2001 BU_{30}, 3, 1, 0; 2001 BK_{53}, 3, 1, 0; 2001 CT_7, 3, 1, 0; 2001 DJ_{20}, 3, 1, 0; 2001 DF_{22}, 3, 1, 0; 2001 DF_{28}, 3, 1, 0; 2001 EC_{10}, 3, 1, 0; 2001 FR_{24}, 3, 1, 0; 2001 FQ_{92}, 3, 1, 0; 2001 FD_{98}, 9, 1, 0; 2001 FW_{126}, 3, 1, 0; 2001 HW_{62}, 9, 2, 1; 2001 KR_{65}, 3, 1, 0; 2001 UE_{190}, 2, 1, 0; 2001 UJ_{191}, 2, 1, 0; 2001 UG_{196}, 3, 1, 0; 2001 UJ_{206}, 3, 1, 0; 2001 UC_{207}, 2, 1, 0; 2001 UB_{211}, 3, 1, 0; 2001 VS_{78}, 3, 1, 0; 2001 WJ_{76}, 3, 1, 0; 2002 CD_{160}, 3, 1, 0; 2002 EK_{94}, 3, 1, 0; 2002 KG_6, 3, 1, 0; 2002 KK_6, 3, 1, 0; 2002 KV_8, 2, 1, 0; 2002 LG_5, 3, 1, 0; 2002 LH_5, 3, 1, 0; 2002 LY_{11}, 3, 1, 0; 2002 LD_{24}, 3, 1, 0; 2002 LE_{24}, 3, 1, 0; 2002 LF_{24}, 3, 1, 0; 2002 LG_{24}, 3, 1, 0; 2002 LH_{24}, 3, 1, 0; 2002 LJ_{24}, 3, 1, 0; 2002 LO_{27}, 3, 1, 0; 2002 LB_{29}, 3, 1, 0; 2002 LC_{30}, 3, 1, 0; 2002 LJ_{31}, 3, 1, 0; 2002 LW_{34}, 3, 1, 0; 2002 LK_{35}, 3, 1, 0; 2002 LN_{53}, 3, 1, 0; 2002 MY_1, 3, 1, 0; 2002 NF_1 *, 9, 2, 2; 2002 NG_1 *, 6, 2, 2; 2002 NQ_1 *, 5, 2, 1; 2002 NF_3, 6, 1, 0; 2002 NJ_8, 3, 1, 0; 2002 NE_{10}, 3, 1, 0; 2002 NX_{12}, 3, 1, 0; 2002 NR_{14}, 3, 1, 0; 2002 ND_{15}, 3, 1, 0; 2002 NE_{15}, 3, 1, 0; 2002 NW_{15}, 3, 1, 0; 2002 NY_{15}, 3, 1, 0; 2002 NF_{16} *, 3, 1, 0; 2002 NG_{16}, 3, 1, 0; 2002 NZ_{18}, 3, 1, 0; 2002 NS_{30}, 3, 1, 0; 2002 ND_{31}, 3, 1, 0; 2002 NK_{34}, 3, 1, 0; 2002 NN_{39}, 3, 1, 0; 2002 NM_{44}, 3, 1, 0; 2002 NB_{48}, 3, 1, 0; 2002 NJ_{51}, 2, 1, 0; 2002 NM_{51}, 2, 1, 0; 2002 NO_{51}, 3, 1, 0; 2002 NP_{51}, 3, 1, 0; 2002 NQ_{51}, 3, 1, 0; 2002 NR_{51}, 2, 1, 0; 2002 NA_{54}, 3, 1, 0; 2002 NK_{55}, 3, 1, 0; 2002 OZ_{21}, 3, 1, 0; (130), 3, 1, 0; (181), 3, 1, 0; (183), 3, 1, 0; (252), 3, 1, 0; (314), 3, 1, 0; (319), 3, 1, 0; (365), 3, 1, 0; (413), 3, 1, 0; (456), 3, 1, 0; (472), 3, 1, 0; 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Measurer Y.-B. Jeon
1.8-m f/8 reflector + CCD
GSC
1999 LQ_{14}, 1, 1, 0; 2002 ED_2, 2, 1, 0; *[3, 2, 0*, 2000/12/24–2002/03/10]*

349 Ageo
K. Kadota, 77-1-3-12-204, Koshikiya, Ageo, Saitama-ken, 362-0064 Japan [kenic-k@astroarts.co.jp]
0.18-m f/5.5 reflector + CCD, 0.25-m f/5.0 reflector + CCD
GSC-ACT
2002 NY_{40}, 17, 3, 12; 2002 PM_6, 5, 1, 0; *[22, 2, 0*, 2002/08/05–2002/08/17]*

355 Hadano
A. Asami, 28-1 Nishitawara, Hadano, Kanagawa-Ken, 257 Japan [asami@st.rim.or.jp]
0.2-m f/6.0 reflector + CCD, 0.28-m f/5.0 reflector + CCD
GSC
2002 HU_{11}, 3, 1, 0; 2002 JR_9, 4, 1, 0; 2002 LV, 4, 1, 0; 2002 NX_{18}, 3, 1, 0; 2002 NY_{40}, 16, 4, 4; 2002 PM_6, 8, 2, 1; 2002 PZ_{39}, 14, 3, 3; (433), 8, 2, 32; (1036), 4, 1, 0; *[64, 9, 0*, 2002/06/18–2002/08/14]*

360 Kuma Kogen Astronomical Observatory
A. Nakamura, Shimo-Hatanokawa, Kuma, Kamiukena-Gun, Ehime-Ken, 791-1212 Japan [a-nakamu@mx2.nisiq.net]
0.60-m f/5.8 Ritchey-Chrétien + CCD
GSC-ACT, USNO-A2.0

2000 VH_{45}, 3, 1, 0; *[3, 1, 0∗, 1995/04/07]*

372 Geisei
T. Seki, Kamimachi 2-9-35, Kochi-Shi, Kochi-Ken 780, Japan
[T-seki@ma7.seikyou.ne.jp]
0.60-m f/3.5 reflector
GSC
2002 NY_{40}, 2, 1, 0; *[2, 1, 0∗, 2002/07/30]*

379 Hamamatsu-Yuto
S. Wakuda, Ufumi 9425-20, Yuto-cho, Hamana-gun, Shizuoka-ken, 431-0102 Japan
[caa54120@pop06.odn.ne.jp]
0.25-m f/5.0 Schmidt-Cassegrain + CCD.
GSC-ACT
2000 PH_5, 5, 2, 1; 2002 HU_{11}, 15, 3, 4; 2002 LV, 46, 9, 16; 2002 LB_6, 3, 1, 0; 2002 NX, 2, 1, 0; 2002 NX_{18}, 2, 1, 0; 2002 NY_{40}, 57, 10, 16; 2002 PM_6, 25, 6, 6; 2002 PZ_{39}, 6, 1, 0; *[161, 9, 0∗, 2002/07/10–2002/08/17]*

402 Dynic Astronomical Observatory
A. Sugie, Dynic Astronomical Observatory, Taga 283-1, Taga, Inukami-Gun, Shiga-Ken, 522-0341 Japan [hhf00201@niftyserve.or.jp]
Observers A. Sugie, Y. Ikari
0.60-m f/5.0 reflector + CCD
GSC
2002 KF_8, 3, 1, 0; 2002 LL_{58}, 4, 1, 0; *[7, 2, 0∗, 1998/08/22–1998/10/25]*

408 Nyukasa
M. Hirasawa, 6-62, Minami Koshigaya 1 Chome, Koshigaya, Saitama-Kem, 343 Japan
Observers M. Hirasawa, S. Suzuki
Measurer K. Watanabe
0.30-m f/2.7 Schmidt camera
GSC
1999 VG_{142}, 6, 3, 8; 2000 SM_{104}, 4, 2, 1; 2000 SG_{225}, 4, 2, 1; 2000 WH_{39}, 4, 2, 1; 2002 DK_2, 4, 2, 1; 2002 EO_3, 4, 2, 1; 2002 EH_{50}, 4, 2, 1; 2002 EG_{70}, 4, 2, 1; 2002 ED_{72}, 4, 2, 1; 2002 EQ_{153} ∗, 4, 2, 1; 2002 ER_{153} ∗, 4, 2, 1; 2002 ES_{153} ∗, 4, 2, 1; 2002 ET_{153} ∗, 4, 2, 1; 2002 EU_{153} ∗, 4, 2, 1; (18564), 4, 2, 1; (40491), 4, 2, 1; *[66, 16, 5∗, 2002/03/12–2002/03/20]*

413 Siding Spring
R. H. McNaught, Research School of Astronomy and Astrophysics, Siding Spring Observatory, Coonabarabran, NSW 2357, Australia [rmn@aaocbn.aao.gov.au] (1)
C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-75120 Uppsala, Sweden [classe@astro.uu.se] (8)
Observers G. J. Garradd, R. H. McNaught, J. L. Bartlett
Measurers G. J. Garradd, R. H. McNaught
1.0-m f/8 reflector + CCD, 1.2-m U. K. Schmidt
GSC-ACT, UCAC1
{1} 1999 XT_{114}, 3, 1, 0; 2000 CT_{101}, 4, 2, 1; 2001 RB_{12}, 5, 1, 0; 2001 VC_2, 3, 2, 1; 2001 XV_4, 4, 2, 1; 2001 YF_1, 7, 2, 1; 2002 AC, 4, 2, 1; 2002 AP_3, 5, 1, 0; 2002 AC_{29}, 3, 1, 0; 2002 CY_{46}, 3, 1, 0; 2002 CX_{174}, 3, 1, 0; 2002 FC, 4, 1, 0; 2002 FB_3, 3, 1, 0; 2002 GF_8, 3, 1, 0; 2002 HK_{12}, 5, 2, 1; 2002 JC, 5, 2, 1; 2002 JY_8, 3, 1, 0; 2002 JQ_9, 3, 1, 0; 2002 JH_{37}, 3, 1, 0; 2002 JM_{97}, 8, 2, 19; 2002 JQ_{97}, 8, 3, 19; 2002 KJ_3, 5, 2, 1; 2002 KK_3, 8, 4, 29; 2002 KL_3, 4, 2, 1; 2002 KJ_4, 10, 4, 29; 2002 KL_6, 3, 1, 0; 2002 KK_8, 5, 2, 29; 2002 LV, 8, 3, 2; 2002 LH_3, 13, 5, 27; 2002 LS_{24}, 1, 1, 0; 2002 LT_{24}, 3, 1, 0; 2002 LE_{27}, 3, 1, 0; 2002 LD_{31}, 6, 3, 28; 2002 LT_{38}, 9, 3, 19; 2002 LY_{45}, 5, 2, 11; 2002 MN, 10, 4, 29; 2002 MY, 5, 2, 28; 2002 MT_1, 9, 4, 28; 2002 MO_3, 2, 1, 0; 2002 MP_3, 3, 1, 0; 2002 MQ_3, 12, 4, 11; 2002 MS_3, 11, 4, 11; 2002 MT_3, 2, 1, 0; 2002 MW_3, 3, 1, 0; 2002 NK, 1, 1, 0; 2002 NV, 13, 5, 11; 2002 NP_1, 8, 3, 12; 2002 NT_7, 33, 5, 12; 2002 NV_{16}, 5, 2, 1; 2002 NW_{16}, 3, 1, 0; 2002 NA_{31}, 14, 5, 12; 2002 NY_{31}, 12, 4, 10; 2002 NY_{40}, 26, 5, 12; 2002 OM_4, 14, 5, 12; 2002 ON_4, 11, 4, 12; 2002 OS_4, 9, 3, 11; 2002 OC_{20}, 3, 1, 0; 2002 OD_{20}, 5, 2, 2; 2002 OH_{21}, 4, 1, 0; 2002 OJ_{21}, 2, 1, 0; 2002 OW_{21}, 8, 2, 1; 2002 OX_{21}, 7, 2, 1; 2002 OY_{21}, 11, 3, 2; 2002 OA_{22}, 3, 1, 0; (17192), 3, 1, 0; *[424, 65, 0∗, 2002/06/23–2002/07/31]*

{8} 1993 FM_{30}, 1, 1, 0; 1999 TY_{307}, 1, 1, 0; 1999 XA_{96}, 1, 1, 0; 2000 QK_{185}, 1, 1, 0; 2002 OW, 1, 1, 0; *[5, 5, 0∗, 1993/04/16–1993/04/18]*

422 Loomberah
G. J. Garradd, P.O. Box 157, Tamworth, NSW 2340, Australia
[loomberah@ozemail.com.au]
0.45-m f/5.4 reflector + CCD
GSC-ACT, UCAC-1
2002 HK_{12}, 2, 1, 0; 2002 JB_9, 3, 1, 0; 2002 NP_1, 8, 2, 4; 2002 NN_4, 3, 1, 0; 2002 NA_{31}, 4, 1, 0; 2002 NY_{31}, 3, 1, 0; (5535), 35, 4, 20; *[58, 7, 0∗, 2002/07/07–2002/07/27]*

423 North Ryde
S. G. McAndrew, 2/32 Twin Rd, North Ryde, NSW 2113, Australia
[stephengmca@optusnet.com.au]
0.20-m f/4 hyperbolic astrograph + CCD
GSC
1998 HU_{51}, 7, 3, 9; 1998 QO_{85}, 6, 2, 1; 1998 WX_3, 6, 2, 2; 1999 TS_9, 5, 3, 3; 1999 VJ_8, 3, 1, 0; 1999 XE_{127}, 1, 1, 0; 2000 SH_{293}, 4, 2, 8; 2001 AP_{25}, 10, 4, 12; 2001 AG_{41}, 8, 4, 4; 2001 DN_{70}, 4, 2, 3; 2002 HU_{11}, 5, 1, 0; 2002 LG_{20}, 1, 1, 0; (1600), 2, 1, 0; *[62, 13, 0∗, 2002/06/01–2002/08/06]*

428 Reedy Creek
J. Broughton, 18 Branch Crescent, Reedy Creek, QLD 4228, Australia
[reedycrk@dingoblue.net.au]
0.25-m f/6.6 Schmidt-Cassegrain + CCD
GSC-ACT
1994 CQ_9, 2, 1, 0; 1995 WO_{17}, 3, 2, 1; 1998 MM_5, 4, 2, 1; 1998 OC_{12}, 2, 1, 0; 1998 OE_{12}, 1, 1, 0; 1998 OJ_{12}, 2, 1, 0; 1998 PO_1, 4, 2, 1; 1998 RL_{20}, 2, 1, 0; 1998 SK_{35}, 2, 1, 0; 1998 SZ_{74}, 4, 2, 1; 1999 CK_{103}, 2, 1, 0; 1999 OM, 6, 4, 30; 1999 RZ_{88}, 2, 1, 0; 1999 RA_{211}, 2, 1, 0; 1999 UP_{27}, 2, 1, 0; 1999 XW_{11}, 2, 1, 0; 1999 XA_{87}, 5, 2, 1; 2000 AX_{55}, 1, 1, 0; 2000 AN_{102}, 1, 1, 0; 2000 AZ_{225}, 5, 2, 1; 2000 CF, 2, 1, 0; 2000 EY_{41}, 1, 1, 0; 2001 CZ_{23}, 2, 1, 0; 2001 DQ_{18}, 3, 2, 1; 2001 VS_{78}, 3, 1, 0; 2002 GD_{11}, 2, 1, 0; 2002 HU_{11}, 10, 4, 34; 2002 HK_{12}, 2, 1, 0; 2002 JB_9, 2, 1, 0; 2002 JM_{97}, 2, 1, 0; 2002 LH_3, 7, 3, 44; 2002 LL_{24}, 4, 3, 10; 2002 LK_{31}, 3, 2, 14; 2002 LB_{47}, 3, 2, 4; 2002 MR, 4, 3, 15; 2002 MS, 4, 2, 12; 2002 MA_3, 4, 2, 1; 2002 NR ∗, 18, 8, 23; 2002 NS ∗, 15, 8, 38; 2002 NW, 25, 4, 3; 2002 NX, 3, 1, 0; 2002 NC_1 ∗, 7, 5, 23; 2002 ND_1 ∗, 5, 4, 11; 2002 NP_1, 5, 2, 34; 2002 NT_1 ∗, 6, 4, 10; 2002 NS_2 ∗, 11, 5, 12; 2002 NK_7 ∗, 7, 4, 15; 2002 NL_7 ∗, 7, 4, 15; 2002 NT_7, 4, 2, 7; 2002 NX_{16} ∗, 7, 3, 19; 2002 NY_{16} ∗, 4, 2, 1; 2002 NZ_{16} ∗, 3, 2, 1; 2002 NL_{29} ∗, 8, 4, 13; 2002 NM_{29} ∗, 7, 4, 15; 2002 NN_{29} ∗, 7, 4, 29; 2002 NO_{29} ∗, 6, 3, 14; 2002 NF_{30}, 3, 2, 1; 2002 NA_{31}, 4, 2, 5; 2002 NB_{31} ∗, 8, 4, 12; 2002 NC_{31} ∗, 6, 4, 12; 2002 ND_{31} ∗, 6, 3, 5; 2002 NY_{31}, 5, 2, 8; 2002 NS_{35}, 4, 1, 0; 2002 NY_{40}, 14, 5, 18; 2002 OA ∗, 5, 3, 11; 2002 OB ∗, 5, 3, 4; 2002 OC ∗, 10, 5, 12; 2002 OD ∗, 4, 3, 4; 2002 OL_4 ∗, 6, 3, 3; 2002 OR_4 ∗, 6, 3, 4; 2002 OR_7, 6, 2, 1; 2002 OH_{21}, 2, 1, 0; 2002 OY_{21}, 22, 8, 14; 2002 OL_{22} ∗, 3, 2, 1; 2002 OM_{22} ∗, 4, 2, 1; 2002 ON_{22} ∗, 3, 2, 1; 2002 PC ∗, 4, 2, 1; 2002 PD ∗, 4, 2, 1; 2002 PA_1 ∗, 5, 3, 7; 2002 PE_1, 5, 2, 1; 2002 PP_1, 5, 2, 2; 2002 PQ_1 ∗, 4, 2, 1; 2002 PX_1 ∗, 3, 2, 1; 2002 PY_1 ∗, 3, 2, 1; 2002 PZ_1 ∗, 4, 2, 1; 2002 PT_6 ∗, 4, 2, 2; 2002 PE_{34} ∗, 4, 2, 1; 2002 PF_{34} ∗, 4, 2, 1; 2002 PX_{39}, 4, 2, 1; 2002 PE_{40} ∗, 4, 2, 1; 2002 PF_{40} ∗, 4, 2, 1; 2002 PR_{63} ∗, 4, 2, 1; 2002 PS_{63} ∗, 3, 2, 1; 2002 PT_{63} ∗, 4, 2, 1; 2002 PN_{82}, 4, 2, 1; 2002 PU_{86} ∗, 4, 3, 2; 2002 PV_{86} ∗, 4, 2, 1; 2002 PW_{86} ∗, 4, 2, 1; 2002 PX_{86} ∗, 4, 2, 1; (1580), 2, 1, 0; (2467), 2, 1, 0; (2938), 2, 1, 0; (4259), 1, 1, 0; (5604), 2, 1, 0; (5854), 3, 2, 11; (6328), 2, 1, 0; (10257), 2, 1, 0; (11459), 1, 1, 0; (12797), 2, 1, 0; (16960), 2, 1, 0; (20898), 4, 2, 10; (22653), 3, 1, 0; (24753), 2, 1, 0; (26585), 1, 1, 0; *[516, 114, 46∗, 2002/06/21–2002/08/15]*

433 Bagnall Beach Observatory
G. Crawford, 172 Salamander Way, Salamander Bay, NSW 2317, Australia
[gc@nelsonbay.com]
0.28-m f/10 Schmidt-Cassegrain + CCD
GSC, USNO-A2.0
1999 NO_2, 6, 2, 1; 2000 WN_{95}, 6, 2, 1; 2001 FP_{127}, 12, 2, 1; (21055), 3, 1, 0; *[27, 4, 0∗, 2002/06/30–2002/08/07]*

434 S. Benedetto Po
M. Esornati, via Romana 41, Moglia (MN), Italy [esormar@tin.it]
Observers M. Esornati, A. Righelli, F. Confetta
Measurer M. Esornati
0.18-m $f/9$ refractor + CCD
GSC
2002 NY_{40}, 6, 2, 2; (1036), 2, 1, 0; *[8, 2, 0∗, 2002/07/08–2002/08/16]*

446 Kingsnake Observatory
J. V. McClusky, 8370 Alternate 90, Seguin, TX 78155, U.S.A. [jmcclusky@tlu.edu]
0.45-m Newtonian + CCD
USNO-SA2.0
2002 HY_8, 2, 1, 0; *[2, 1, 0∗, 2002/05/19]*

448 Desert Moon Observatory, Las Cruces
B. Stevens, 5675 Real del Norte, Las Cruces, NM 88012, U.S.A. [bstevens@zianet.com]
0.30-m $f/6.3$ Schmidt-Cassegrain
USNO-A2.0
1999 XU_{189}, 3, 1, 0; 2001 TE_{215}, 3, 1, 0; 2002 DM_3, 2, 1, 0; 2002 LJ, 3, 1, 0; 2002 LY_1, 5, 1, 0; 2002 LE_{31}, 3, 1, 0; 2002 MS_3, 3, 1, 0; 2002 NV, 4, 1, 0; 2002 NX, 6, 2, 4; 2002 NN_4, 10, 3, 15; 2002 NJ_7, 3, 1, 0; 2002 NQ_7, 3, 1, 0; 2002 NT_7, 3, 1, 0; 2002 NV_{16}, 3, 1, 0; 2002 NW_{16}, 3, 1, 0; 2002 ON_4, 3, 1, 0; 2002 PD_{43}, 3, 1, 0; *[63, 17, 0∗, 2001/11/12–2002/08/12]*

450 Carla Jane Observatory, Charlotte
R. Covington, 5229 Mintridge Rd, Charlotte, NC 28227, U.S.A. [danethed@bellsouth.net]
0.2-m Schmidt-Cassegrain + $f/3.3$ focal reducer + CCD
USNO-SA2.0
2000 XR_{13}, 6, 2, 4; (1922), 6, 2, 1; (2938), 6, 2, 1; *[18, 3, 0∗, 2002/08/04–2002/08/08]*

452 Big Cypress Observatory
L. Nemec, 4010 Galt Ocean Drive, # 1507, Fort Lauderdale, FL 33308, U.S.A. [nemecl1@bellsouth.net]
0.25-m Schmidt-Cassegrain + CCD
USNO-A2.0
2002 NT_7, 5, 1, 0; 2002 NY_{40}, 14, 3, 11; 2002 PM_6, 6, 1, 0; *[25, 3, 0∗, 2002/08/05–2002/08/16]*

460 Area 52 Observatory, Nashville
R. Clingan, 305 Anglewood Dr., Nashville, AR 71852, U.S.A. [bigeye@cswnet.com]
0.30-m $f/10$ Schmidt Cassegrain + $f/6.3$ focal reducer + CCD
GSC-1.1
2001 RK_{153}, 2, 1, 0; 2001 RO_{153}, 2, 1, 0; *[4, 2, 0∗, 2001/09/10–2001/09/20]*

461 Szeged University, Piszkéstető Stn. (Konkoly)
L. Kiss, Pf. 596, H-6701 Szeged, Hungary [l.kiss@physx.u-szeged.hu]
Observers K. Sárneczky, B. Sipőcz, J. Vinkó, Z. Heiner, L. Kiss
Measurers K. Sárneczky, Z. Heiner
0.60-m Schmidt + CCD
USNO-A2.0
1998 WR_8, 2, 1, 0; 2002 AE_{193}, 3, 1, 0; 2002 NY_{40}, 4, 1, 0; 2002 OP_{20}, 8, 2, 1; 2002 OW_{22}, 5, 1, 0; 2002 OX_{22}, 2, 1, 0; *[24, 6, 0∗, 2002/01/11–2002/07/31]*

468 Astronomical Observatory, Campo Catino
F. Mallia, Via dei Siculi 37, I-04100 Latina, Italy [pa0115@panservice.it]
Observers G. Masi, F. Mallia, M. Di Sora. G. Masi
Measurers G. Masi, F. Mallia
0.25-m $f/3$ reflector + CCD, 0.80-m reflector + CCD
GSC, USNO-SA1.0
1999 HF_1, 3, 1, 0; 2001 YJ_4, 3, 1, 0; 2002 LB_6, 2, 1, 0; 2002 NJ_{34} ∗, 11, 3, 8; 2002 NY_{40}, 24, 1, 0; 2002 OS_4, 3, 1, 0; 2002 OQ_7 ∗, 4, 1, 0; *[50, 7, 2∗, 2002/07/13–2002/08/09]*

469 Courroux
H. Lehmann, Sports 6, CH-2822 Courroux, Switzerland [huble@vtx.ch]
0.20-m $f/6.3$ Schmidt-Cassegrain + CCD
USNO-A2.0
2001 VS_{78}, 4, 1, 0; 2002 LB_6, 4, 1, 0; 2002 LY_{45}, 3, 1, 0; *[11, 3, 0∗, 2002/07/04–2002/07/05]*

474 Mount John
A. C. Gilmore, Mt. John University Observatory, P.O. Box 56, NZ-8770 Lake Tekapo, New Zealand [a.gilmore@phys.canterbury.ac.nz]
Observers A. C. Gilmore, P. M. Kilmartin
0.6-m $f/6.4$ reflector + CCD, 1.0-m $f/7.7$ reflector + CCD
USNO-A2.0
1998 FF_2, 3, 1, 0; 1999 NB_5, 4, 1, 0; 1999 TB_{10}, 3, 1, 0; 1999 VM_{40}, 2, 1, 0; 2000 RV_{37}, 6, 2, 1; 2002 AW_{11}, 4, 1, 0; 2002 EL_6, 4, 1, 0; 2002 FC, 6, 2, 1; 2002 MY, 3, 1, 0; 2002 NP_7, 4, 1, 0; 2002 NV_{16}, 4, 1, 0; 2002 NY_{31}, 4, 1, 0; 2002 NU_{56} ∗, 6, 3, 8; 2002 OL_{15}, 3, 1, 0; 2002 OC_{20}, 6, 2, 1; 2002 OH_{21}, 4, 1, 0; 2002 OX_{21}, 5, 1, 0; 2002 OY_{21}, 10, 2, 5; 2002 OA_{22}, 5, 1, 0; 2002 OJ_{22} ∗, 11, 3, 5; 2002 OK_{22} ∗, 11, 3, 5; 2002 PN, 11, 1, 0; 2002 PE_1, 7, 1, 0; 2002 PP_1, 10, 2, 2; 2002 PP_6, 3, 1, 0; 2002 PW_{39}, 3, 1, 0; 2002 PX_{39}, 4, 1, 0; 2002 PY_{39}, 3, 1, 0; 2002 PC_{40}, 3, 1, 0; 2002 PD_{43}, 3, 1, 0; (1566), 3, 1, 0; (4769), 4, 1, 0; (9400), 3, 1, 0; (42286), 4, 1, 0; *[169, 34, 3∗, 2002/07/01–2002/08/15]*

493 Calar Alto
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Observers K. Sárneczky, Gy. Szabó, K. Sziládi
Measurer K. Sárneczky
1.23-m reflector + CCD
USNO-A2.0
2002 GO_{47}, 3, 1, 0; *[3, 1, 0∗, 2002/04/09]*

511 Haute Provence
J. E. Arlot, IMCCE, Observatoire de Paris, 61 Avenue de l'Observatoire, F-75014 Paris, France [arlot@bdl.fr]
Observers W. Thuillot, J. E. Arlot
Measurers C. Bechet, S. Arlot
1.20-m $f/6$ reflector + CCD
USNO-A2.0
1999 XN_{145}, 38, 3, 6; 2002 NP_{49}, 9, 2, 3; *[47, 2, 0∗, 2002/08/05–2002/08/11]*

517 Geneva
R. Behrend, Geneva Observatory, CH-1290 Sauverny, Switzerland [raoul.behrend@obs.unige.ch]
Observers R. Behrend, Y. Revaz
Measurer R. Behrend
0.20-m $f/10.0$ Schmidt-Cassegrain + CCD
Tycho-2, GSC-ACT
(185), 8, 1, 0; (759), 5, 1, 0; (790), 6, 1, 0; *[19, 3, 0∗, 2002/07/07–2002/07/08]*

540 Linz
E. Meyer, Ferd.-Marklstrasse 1/62, A-4040 Linz, Austria [erich.meyer@ooenet.at]

Observers E. Meyer, E. Obermair
Measurer E. Meyer
0.60-m f/3.3 reflector + CCD
USNO-SA2.0, USNO-A2.0

1998 MN_{14}, 2, 1, 0; 1998 WQ_5, 3, 1, 0; 1998 XM_4, 2, 1, 0; 1999 VO_6, 3, 1, 0; 2000 CT_{101}, 1, 1, 0; 2000 NL_{10}, 2, 1, 0; 2000 PH_5, 24, 3, 4; 2001 TC_2, 2, 1, 0; 2001 TE_2, 2, 1, 0; 2002 CW_{59}, 2, 1, 0; 2002 EQ_9, 2, 1, 0; 2002 LE_{31}, 3, 1, 0; 2002 LY_{45}, 3, 1, 0; 2002 MC, 9, 2, 7; 2002 MY, 2, 1, 0; 2002 MT_1, 5, 3, 14; 2002 MP_3, 2, 1, 0; 2002 MT_3, 3, 1, 0; 2002 NT_7, 5, 2, 1; 2002 NY_{40}, 21, 3, 28; 2002 OS_4, 2, 1, 0; *[100, 21, 0*, 2002/06/26–2002/08/18]*

557 Ondřejov

P. Pravec, Astronomical Institute, Czech Academy of Sciences, CZ-25165 Ondřejov, Czech Republic [ppravec@asu.cas.cz]
Observers L. Šarounová, P. Kušnirák, M. Wolf.
0.65-m f/3.6 reflector + CCD
USNO-SA2.0, USNO-A2.0

1995 EX_1, 2, 1, 0; 1998 HL_{27}, 5, 2, 3; 1998 QR_{26}, 3, 1, 0; 1998 QE_{29}, 3, 1, 0; 1998 SU_{26}, 6, 2, 19; 1999 CX_3, 2, 1, 0; 1999 CP_{159}, 3, 1, 0; 1999 NB_5, 12, 1, 0; 1999 RU_{31}, 3, 1, 0; 1999 TR_3, 3, 2, 3; 1999 TT_{15}, 9, 3, 19; 1999 VR_{24}, 3, 2, 3; 2000 PH_5, 21, 2, 1; 2001 KC_{18}, 2, 1, 0; 2001 KD_{18}, 6, 2, 19; 2001 RC_{151}, 3, 1, 0; 2001 UM_{186}, 3, 1, 0; 2001 UY_{199}, 2, 1, 0; 2001 UU_{209}, 4, 1, 0; 2001 VS_{78}, 4, 1, 0; 2001 YJ_4, 5, 1, 0; 2002 AL_{14}, 16, 2, 3; 2002 EY_{125}, 2, 1, 0; 2002 JR_9, 5, 1, 0; 2002 KH_3, 3, 1, 0; 2002 KD_4, 2, 1, 0; 2002 LV, 31, 4, 3; 2002 LB_6, 19, 4, 24; 2002 LE_{28}, 2, 1, 0; 2002 MO_3, 6, 2, 1; 2002 MP_3, 2, 1, 0; 2002 MQ_3, 3, 1, 0; 2002 MR_3, 4, 1, 0; 2002 MS_3, 6, 2, 1; 2002 MT_3, 3, 1, 0; 2002 NK, 3, 1, 0; 2002 NX, 5, 1, 0; 2002 NN_4, 6, 1, 0; 2002 NJ_7, 9, 2, 3; 2002 NG_{24}, 3, 1, 0; 2002 NK_{24}, 3, 1, 0; 2002 NA_{31}, 3, 1, 0; 2002 NS_{35}, 7, 2, 1; 2002 NY_{40}, 41, 9, 26; 2002 NM_{51}, 3, 1, 0; 2002 NM_{55}, 3, 1, 0; 2002 OS_4, 8, 1, 0; 2002 OU_7, 2, 1, 0; 2002 OL_{15}, 3, 1, 0; 2002 OW_{21}, 4, 1, 0; 2002 OW_{22}, 2, 1, 0; 2002 OX_{22}, 2, 1, 0; 2002 PN, 5, 1, 0; 2002 PL_6, 3, 1, 0; 2002 PN_6, 2, 1, 0; 2002 PO_6, 3, 1, 0; 2002 PP_6, 2, 1, 0; 2002 PQ_6, 3, 1, 0; 2002 PC_{11}, 4, 1, 0; 2002 PD_{11}, 4, 1, 0; 2002 PM_{34}, 3, 1, 0; 2002 PD_{40}, 6, 2, 1; (295), 3, 1, 0; (9311), 3, 1, 0; (16961), 3, 1, 0; (28402), 2, 1, 0; (43416), 3, 1, 0; *[364, 67, 0*, 1999/01/17–2002/08/14]*

560 Madonna di Dossobuono

L. Lai, Via Mantovana 130e, I-37062 Dossobuono (Verona), Italy [astrofil@astbo1.bo.cnr.it]
Observer Madonna di Dossobuono
Measurer L. Lai
0.40-m f/3.5 reflector + CCD
GSC

2001 VS_{78}, 8, 2, 4; 2001 YJ_4, 5, 2, 16; 2002 AB_5, 5, 1, 0; 2002 AJ_{29}, 10, 2, 5; 2002 GO_5, 3, 1, 0; 2002 GD_{11}, 8, 2, 16; 2002 HU_{11}, 9, 2, 5; 2002 JB_9, 6, 2, 16; 2002 JR_9, 3, 1, 0; 2002 JV_{15}, 3, 1, 0; 2002 LV, 8, 2, 2; 2002 LB_6, 4, 1, 0; 2002 LY_{45}, 3, 1, 0; 2002 NX, 4, 1, 0; 2002 NY_{40}, 8, 2, 3; (3635), 5, 1, 0; (20713), 4, 1, 0; *[96, 17, 0*, 2002/04/17–2002/08/01]*

561 Piszkéstető Stn. (Konkoly)

J. Kelemen, Konkoly Observatory, P.O. Box 67, H-1525 Budapest, Hungary [kelemen@ogyalla.konkoly.hu]
0.60-m Schmidt telescope + CCD
USNO-A2.0

1998 SF_{110}, 2, 1, 0; 2000 RV_{81}, 3, 1, 0; 2001 FX_{180}, 3, 1, 0; (3040), 3, 1, 0; *[11, 4, 0*, 1998/02/28–2002/06/18]*

566 Haleakala-NEAT/GEODSS

E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. [efh@ipl.jpl.nasa.gov]
Observers E. F. Helin, S. H. Pravdo, K. J. Lawrence, D. L. Rabinowitz, S. Groom, C. Clark, R. Bambery, S. Levin, J. Lorre, S. Shaklan, R. Byrd, A. Esquibel, C. Cotton, D. Bascon
Measurers NEAT team, F. Anzellini, R. Haver, A. Pelloni, G. Forti
1-m f/2.2 Ritchey-Chrétien + CCD

1998 EP, 6, 2, 33; 1998 FX_{83}, 3, 1, 0; 1998 FB_{146}, 3, 1, 0; 1998 GC, 3, 1, 0; 1998 ST_{26}, 3, 1, 0; 1998 SF_{27}, 3, 1, 0; 1998 UQ_4, 3, 1, 0; 1998 UF_{49}, 3, 1, 0; 1998 VW_2, 3, 1, 0; 1998 VR_{56}, 3, 1, 0; 1998 WE_9, 3, 1, 0; 1998 WU_{30}, 5, 2, 1; 1998 YB, 3, 1, 0; 1998 YN_9, 3, 1, 0; 1999 AS_6, 3, 1, 0; 1999 AR_9, 3, 1, 0; 1999 AX_{25}, 3, 1, 0; 1999 CA_{77}, 3, 1, 0; 1999 TO_{221}, 3, 1, 0; 1999 XW_5, 6, 1, 0; 1999 XT_{114}, 3, 1, 0; 2000 AX_{180}, 3, 1, 0; 2000 FA_{27}, 3, 1, 0; 2000 SO_{210}, 3, 1, 0; 2000 SO_{352}, 3, 1, 0; 2000 UL_{42}, 3, 1, 0; 2000 UN_{99}, 3, 1, 0; 2000 VA_{27}, 3, 1, 0; 2000 WU_5, 3, 1, 0; 2000 WO_{123}, 3, 1, 0; 2000 WE_{152}, 3, 1, 0; 2000 WJ_{155}, 3, 1, 0; 2000 YQ_{84}, 3, 1, 0; 2000 YE_{119}, 3, 1, 0; 2001 AR_{16}, 3, 1, 0; 2001 AL_{23}, 3, 1, 0; 2001 GY, 3, 1, 0; 2001 HU_{64}, 3, 1, 0; 2001 KS_{26}, 3, 1, 0; 2001 QL_2, 3, 1, 0; 2001 QA_{29}, 3, 1, 0; 2001 QO_{96}, 3, 1, 0; 2001 QX_{237}, 3, 1, 0; 2001 SU_{64}, 3, 1, 0; 2001 TL_{31}, 3, 1, 0; 2001 TE_{74}, 3, 1, 0; 2001 TN_{109}, 3, 1, 0; 2001 TG_{210}, 3, 1, 0; 2001 UL_{62}, 3, 1, 0; 2001 UM_{167}, 3, 1, 0; 2001 UE_{184}, 3, 1, 0; 2001 WH_{28}, 3, 1, 0; 2001 XB_{72}, 6, 2, 472; 2001 XD_{213}, 3, 1, 0; 2001 YN_5, 3, 1, 0; 2001 YM_6, 3, 1, 0; 2002 AL_7, 3, 1, 0; 2002 AQ_{73}, 3, 1, 0; 2002 ET_3, 3, 1, 0; 2002 EM_8, 3, 1, 0; 2002 FG_{37}, 3, 1, 0; 2002 GR_{161}, 3, 1, 0; 2002 GV_{167}, 3, 1, 0; 2002 JZ_{10}, 3, 1, 0; 2002 JM_{31}, 3, 1, 0; 2002 JP_{67}, 3, 1, 0; 2002 JK_{101}, 3, 1, 0; 2002 JZ_{107}, 3, 1, 0; 2002 JX_{120}, 3, 1, 0; 2002 LB_6, 3, 1, 0; 2002 LB_{18}, 3, 1, 0; 2002 LH_{26}, 3, 1, 0; 2002 LC_{34}, 3, 1, 0; 2002 LN_{36}, 3, 1, 0; 2002 LL_{37}, 3, 1, 0; 2002 LP_{46}, 3, 1, 0; 2002 MH_2, 3, 1, 0; 2002 NR, 3, 1, 0; 2002 NJ_{12}, 3, 1, 0; 2002 NW_{19}, 3, 1, 0; 2002 NN_{33}, 3, 1, 0; 2002 NR_{56}, 3, 1, 0; 2002 OS, 3, 1, 0; 1006 T-2, 3, 1, 0; (26671), 3, 1, 0; *[266, 85, 0*, 1996/03/19–1999/02/19]*

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K. J. Meech, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822, U.S.A. [meech@nihoa.ifa.hawaii.edu] (7)
D. D. Balam, Dept. of Physics, University of Victoria, P.O. Box 3055, Victoria, BC V8W 3P6, Canada [balam@beluga.phys.uvic.ca] (9)
Observers D. Jewitt, S. Sheppard, D. J. Tholen, C. Veillet, J. Pittichova, S. Ash, K. Meech, M. E. Brown, C. A. Trujillo, C. Salyk, A. Doressoundiram, M. J. Holman
Measurers S. Sheppard, D. J. Tholen, C. Veillet. K. Meech, M. Buie, C. A. Trujillo, C. Salyk, J. Lambert, D. D. Balam, M. J. Holman
3.6-m Canada-France-Hawaii Telescope + CCD, 2.24-m reflector + CCD, 8.2-m Subaru telescope + CCD, 10-m reflector + CCD
USNO-A2.0

{2} 1998 ST_4, 4, 1, 0; 1998 XC_9, 3, 1, 0; 1999 JD_{13}, 2, 1, 0; 1999 OW_3, 2, 1, 0; 2000 AB_{246}, 2, 1, 0; 2000 OS_{44}, 2, 1, 0; 2000 SY_{320}, 2, 1, 0; 2000 UB_{29}, 2, 1, 0; 2001 CK_{32}, 2, 1, 0; 2001 PL_9, 2, 1, 0; 2001 XR_{30}, 2, 1, 0; 2001 XS_{257}, 3, 1, 0; 2002 AD_2, 7, 2, 68; 2002 CV_{46}, 6, 2, 68; 2002 CX_{246}, 2, 1, 0; 2002 EM_6, 2, 1, 0; 2002 ET_{11}, 2, 1, 0; 2002 EZ_{11}, 2, 1, 0; 2002 GG_1, 3, 1, 0; 2002 GD_{10}, 2, 1, 0; 2002 HW, 2, 1, 0; 2002 JZ_8, 3, 1, 0; 2002 JE_9, 4, 1, 0; 2002 JQ_{100}, 2, 1, 0; 2002 MN, 3, 1, 0; *[68, 25, 0*, 1997/10/29–2002/08/09]*

{3} 1999 OX_3, 15, 3, 2; 2000 OU_{69}, 5, 1, 0; 2001 FP_{185}, 9, 1, 0; 2001 KY_{76}, 10, 1, 0; 2001 KA_{77}, 5, 1, 0; 2001 KP_{77}, 10, 1, 0; 2001 QY_{297}, 10, 1, 0; 2001 QD_{298}, 11, 3, 2; 2002 GF_{32}, 10, 1, 0; 2002 GH_{32}, 15, 2, 1; 2002 GJ_{32}, 9, 1, 0; 2002 GP_{32}, 16, 2, 1; 2002 GV_{32}, 9, 1, 0; 2002 GZ_{32}, 6, 1, 0; *[140, 14, 0*, 2002/06/05–2002/06/07]*

{5} 2002 AW_{197}, 2, 1, 0; *[2, 1, 0*, 2002/02/10]*

{6} 2000 PG_{30}, 2, 1, 0; 2000 PH_{30}, 2, 1, 0; 2001 OK_{108}, 3, 1, 0; 2001 OZ_{108}, 4, 2, 1055; 2001 OG_{109}, 3, 1, 0; 2001 QW_{322}, 4, 1, 0; *[18, 6, 0*, 1999/07/18–2002/06/07]*

{7} 2001 KY_{76}, 2, 1, 0; *[2, 1, 0*, 2002/04/11]*

{9} 2002 NQ_{19}, 3, 1, 0; *[3, 1, 0*, 1999/12/31]*

586 Pic du Midi
C. Cavadore, Mitterweg Str. 2, Garching bei München, D-85748 Germany [ccavador@eso.org]
Observers C. Cavadore, B. Gaillard, F. Colas
Measurer B. Gaillard
1.05 m $f/6$ reflector + CCD
USNO-A2.0
1998 QR_{53}, 7, 3, 2; *[7, 1, 0∗, 2002/07/03–2002/07/05]*

587 Sormano
P. Sicoli, Via Valli 9, I-23846 Garbagnate Monastero (Lecco), Italy [sormano@tin.it]
Observers F. Manca, A. Testa, M. Cavagna
Measurer F. Manca
0.5-m reflector + CCD
USNO-A2.0
2002 KH_3, 4, 1, 0; 2002 KF_4, 3, 1, 0; 2002 LS_{32}, 5, 1, 0; 2002 LY_{45}, 8, 2, 18; 2002 MT_1, 2, 1, 0; 2002 MQ_3, 4, 1, 0; 2002 MR_3, 5, 1, 0; 2002 MS_3, 4, 1, 0; 2002 MT_3, 3, 1, 0; 2002 NW, 4, 1, 0; 2002 NX, 4, 1, 0; 2002 NN_4, 9, 3, 12; 2002 NT_7, 7, 2, 4; 2002 NV_{16}, 7, 2, 4; 2002 NY_{40}, 6, 2, 11; 2002 OM_4, 3, 1, 0; 2002 ON_4, 4, 1, 0; 2002 OS_4, 3, 1, 0; 2002 PB, 2, 1, 0; 2002 PN, 5, 1, 0; *[92, 20, 0∗, 2002/07/04–2002/08/02]*

589 Santa Lucia Stroncone
A. Vagnozzi, Via Santa Lucia 68, I-05039 Stroncone (Terni), Italy [vagnozzi@freenet.hut.fi]
Observers A. Vagnozzi, G. Bernabei, V. Risoldi, V. Scirri
0.50-m $f/2.8$ Ritchey-Chrétien + CCD
GSC
2000 UX_{98}, 3, 1, 0; *[3, 1, 0∗, 1995/10/25]*

595 Farra d'Isonzo
L. Bittesini, Via dei Conventi 10, I-34070 Farra D'Isonzo (GO), Italy [ccaf@ccaf.it]
Observers G. Lombardi, F. Piani. E. Pettarin
Measurers E. Pettarin, G. Lombardi
0.40-m $f/4.5$ reflector + CCD
USNO-A2.0
2002 NN_4, 2, 1, 0; *[2, 1, 0∗, 2002/07/12–2002/07/13]*

596 Colleverde di Guidonia
V. S. Casulli, Via M. Rosa 1, I-00012 Colleverde di Guidonia (RM), Italy [v.casulli@libero.it]
0.40-m $f/4.5$ reflector + CCD
USNO-A2.0
2002 OT_{22}, 7, 2, 2; *[7, 1, 0∗, 2002/08/05–2002/08/07]*

599 Campo Imperatore–CINEOS
A. Carusi, Istituto di Astrofisica Spaziale, Via Fosso del Cavaliere, I-00133 Rome, Italy [cineos@ias.rm.cnr.it]
Observers F. Bernardi, A. Boattini, A. Di Paola, M. Tombelli
Measurers F. Bernardi, A. Boattini, M. Tombelli, A. Di Paola
0.60-m $f/3$ Schmidt + CCD
GSC
1983 RJ_1, 3, 1, 0; 1991 AK_1, 6, 2, 22; 1992 ET_{32}, 10, 3, 22; 1995 OF, 6, 2, 2; 1995 SQ_1, 3, 1, 0; 1996 AE_{18}, 7, 2, 1; 1996 GO_{13}, 5, 2, 1; 1997 AS_{13}, 3, 1, 0; 1997 BC_5, 6, 2, 2; 1997 CS_9, 3, 1, 0; 1997 DX, 5, 2, 2; 1997 EQ_{35}, 4, 1, 0; 1997 GD_{17}, 3, 1, 0; 1997 LN_4, 3, 1, 0; 1997 TB_{26}, 6, 2, 2; 1998 BA_{44}, 4, 1, 0; 1998 ER_1, 6, 2, 1; 1998 FC_{55}, 6, 2, 2; 1998 FV_{65}, 4, 1, 0; 1998 FK_{122}, 9, 3, 4; 1998 HS_{59}, 3, 1, 0; 1998 HW_{89}, 2, 1, 0; 1998 HE_{144}, 7, 2, 1; 1998 KX_5, 6, 2, 2; 1998 KK_{17}, 5, 2, 2; 1998 KV_{22}, 3, 1, 0; 1998 KX_{34}, 2, 1, 0; 1998 KW_{61}, 6, 2, 1; 1998 MO_7, 6, 2, 2; 1998 QZ_{11}, 2, 1, 0; 1998 QN_{54}, 3, 1, 0; 1998 QB_{58}, 11, 4, 23; 1998 QF_{85}, 4, 1, 0; 1998 QY_{85}, 6, 2, 2; 1998 RL_8, 3, 1, 0; 1998 RR_{18}, 6, 2, 1; 1998 RU_{34}, 5, 2, 2; 1998 RT_{44}, 3, 1, 0; 1998 RV_{50}, 5, 2, 2; 1998 RZ_{56}, 3, 1, 0; 1998 SW_{54}, 2, 1, 0; 1998 SD_{106}, 4, 1, 0; 1998 SU_{127}, 4, 1, 0; 1998 SA_{155}, 6, 2, 2; 1998 UB, 3, 1, 0; 1998 UP_8, 6, 2, 1; 1998 VW_{16}, 6, 2, 5; 1998 VE_{36}, 5, 2, 2; 1998 XT_{38}, 3, 1, 0; 1998 XM_{47}, 5, 2, 1; 1999 AB, 7, 2, 1; 1999 RU_{18}, 5, 2, 1; 1999 RR_{87}, 6, 2, 1; 1999 RQ_{158}, 7, 2, 1; 1999 RC_{182}, 3, 1, 0; 1999 RQ_{183}, 6, 2, 1; 1999 RX_{186}, 3, 1, 0; 1999 TY_{17}, 3, 1, 0; 1999 TG_{22}, 5, 2, 2; 1999 TH_{36}, 12, 4, 5; 1999 TJ_{37}, 11, 3, 2; 1999 TV_{119}, 3, 1, 0; 1999 TG_{120}, 5, 2, 2; 1999 TQ_{171}, 11, 4, 23; 1999 TJ_{172}, 11, 4, 23; 1999 TY_{182}, 5, 2, 1; 1999 TA_{193}, 3, 1, 0; 1999 TL_{199}, 4, 1, 0; 1999 UZ_{25}, 3, 1, 0; 1999 VK_9, 4, 1, 0; 1999 VJ_{40}, 6, 2, 2; 1999 VX_{86}, 6, 2, 1; 1999 VD_{93}, 5, 2, 2; 1999 VF_{144}, 3, 1, 0; 1999 VD_{182}, 9, 3, 4; 1999 VD_{197}, 3, 1, 0; 1999 VC_{217}, 3, 1, 0; 1999 WM_6, 7, 2, 1; 1999 XW_5, 3, 1, 0; 1999 XZ_{50}, 3, 1, 0; 1999 XF_{52}, 3, 1, 0; 1999 XW_{76}, 4, 1, 0; 1999 XN_{82}, 7, 2, 1; 1999 XP_{85}, 12, 2, 1; 1999 XX_{89}, 6, 2, 2; 1999 XR_{106}, 8, 3, 2; 1999 XD_{109}, 6, 2, 1; 1999 XY_{115}, 3, 1, 0; 1999 XO_{137}, 7, 2, 5; 1999 XW_{143}, 6, 2, 1; 1999 XN_{147}, 9, 2, 2; 1999 XK_{176}, 3, 1, 0; 1999 XA_{189}, 3, 1, 0; 1999 XT_{214}, 5, 2, 1; 1999 YJ_{14}, 3, 1, 0; 2000 AD_4, 5, 2, 1; 2000 AA_{19}, 4, 1, 0; 2000 AN_{38}, 6, 2, 2; 2000 AN_{60}, 6, 2, 2; 2000 AD_{76}, 4, 1, 0; 2000 AN_{76}, 7, 2, 1; 2000 AT_{85}, 3, 1, 0; 2000 AJ_{88}, 11, 4, 23; 2000 AK_{101}, 2, 1, 0; 2000 AM_{102}, 4, 1, 0; 2000 AZ_{103}, 3, 1, 0; 2000 AB_{112}, 6, 2, 2; 2000 AO_{125}, 5, 2, 1; 2000 AE_{149}, 4, 1, 0; 2000 AW_{155}, 3, 1, 0; 2000 AG_{161}, 6, 2, 2; 2000 AJ_{188}, 9, 3, 3; 2000 AQ_{188}, 3, 1, 0; 2000 AZ_{203}, 3, 1, 0; 2000 AM_{214}, 3, 1, 0; 2000 AW_{215}, 3, 1, 0; 2000 AV_{235}, 10, 3, 22; 2000 AU_{236}, 3, 1, 0; 2000 AJ_{237}, 6, 2, 2; 2000 BF_{14}, 5, 2, 2; 2000 BH_{23}, 3, 1, 0; 2000 BE_{31}, 7, 2, 1; 2000 BS_{33}, 6, 2, 1; 2000 CZ_1, 6, 2, 2; 2000 CH_{14}, 3, 1, 0; 2000 CR_{14}, 6, 2, 2; 2000 CE_{30}, 3, 1, 0; 2000 CV_{35}, 2, 1, 0; 2000 CG_{37}, 3, 1, 0; 2000 CB_{43}, 9, 2, 2; 2000 CZ_{45}, 2, 1, 0; 2000 CM_{51}, 6, 2, 2; 2000 CE_{53}, 7, 2, 1; 2000 CD_{55}, 9, 3, 22; 2000 CO_{60}, 12, 4, 23; 2000 CD_{82}, 3, 1, 0; 2000 CP_{131}, 2, 1, 0; 2000 DY_{23}, 4, 2, 2; 2000 DH_{71}, 3, 1, 0; 2000 DS_{77}, 3, 1, 0; 2000 DY_{77}, 5, 2, 1; 2000 DN_{96}, 4, 2, 1; 2000 DS_{106}, 3, 1, 0; 2000 EK_{17}, 6, 2, 2; 2000 EB_{93}, 4, 1, 0; 2000 EJ_{158}, 3, 1, 0; 2000 GN_{63}, 3, 1, 0; 2000 GJ_{167}, 3, 1, 0; 2000 JT_{72}, 3, 1, 0; 2000 SM_{200}, 2, 1, 0; 2000 TJ_{26}, 2, 1, 0; 2000 YW_{12}, 3, 1, 0; 2000 YN_{34}, 3, 1, 0; 2000 YD_{35}, 6, 2, 2; 2000 YL_{63}, 5, 2, 1; 2000 YE_{68}, 7, 2, 1; 2000 YU_{132}, 4, 1, 0; 2001 BH_{31}, 2, 1, 0; 2001 BX_{61}, 3, 1, 0; 2001 CZ_{23}, 4, 1, 0; 2001 CM_{37}, 5, 2, 2; 2001 DH_{42}, 2, 1, 0; 2001 DR_{64}, 9, 3, 4; 2001 EV_9, 7, 2, 1; 2001 FP, 6, 2, 2; 2001 FW_{47}, 6, 2, 2; 2001 FG_{90}, 4, 1, 0; 2001 FA_{99}, 4, 1, 0; 2001 HM_9, 4, 1, 0; 2001 HC_{32}, 4, 1, 0; 2001 KH_{19}, 3, 1, 0; 2001 KV_{23}, 3, 1, 0; 2001 KO_{49}, 3, 1, 0; 2001 NZ_2, 3, 1, 0; 2001 QA_{16}, 4, 1, 0; 2001 QY_{33}, 3, 1, 0; 2001 QY_{239}, 3, 1, 0; 2001 RX_{23}, 3, 1, 0; 2001 TE_{221}, 3, 1, 0; 2001 TR_{222}, 4, 1, 0; 2001 UZ_{192}, 3, 1, 0; 2002 AL_{14}, 4, 1, 0; 2002 AF_{76}, 2, 1, 0; 2002 AQ_{89}, 3, 1, 0; 2002 AE_{125}, 3, 1, 0; 2002 AN_{150}, 3, 1, 0; 2002 CC_{281}, 3, 1, 0; 2002 ED_1, 5, 1, 0; 2002 FG_{37}, 2, 1, 0; 2002 JX_{120}, 2, 1, 0; 2002 KE_2, 3, 1, 0; 2002 LH_5, 4, 1, 0; 2002 LM_{21}, 3, 1, 0; 2002 LF_{36}, 7, 2, 1; 2002 LD_{48}, 1, 1, 0; 2002 LS_{57}, 4, 1, 0; 2002 LV_{57}, 6, 2, 2; 2002 LC_{58}, 3, 1, 0; 2002 MD, 6, 2, 23; 2002 MH, 3, 1, 0; 2002 MQ, 3, 1, 0; 2002 MA_1, 3, 1, 0; 2002 MC_1, 7, 2, 2; 2002 MN_1, 3, 1, 0; 2002 MS_2, 3, 1, 0; 2002 NN_1, 3, 1, 0; 2002 NF_2, 10, 3, 22; 2002 NJ_2, 7, 2, 1; 2002 NP_4 ∗, 8, 3, 2; 2002 NQ_4 ∗, 11, 3, 2; 2002 NR_4 ∗, 7, 2, 1; 2002 NS_4 ∗, 6, 2, 1; 2002 NT_4 ∗, 7, 2, 1; 2002 NU_4 ∗, 9, 3, 22; 2002 NV_4 ∗, 9, 3, 22; 2002 NW_4 ∗, 7, 2, 1; 2002 NX_4 ∗, 7, 2, 1; 2002 NY_4 ∗, 7, 2, 1; 2002 NZ_4 ∗, 10, 3, 22; 2002 NA_5 ∗, 6, 2, 1; 2002 NB_5 ∗, 7, 2, 1; 2002 NC_5 ∗, 7, 2, 1; 2002 ND_5 ∗, 7, 2, 1; 2002 NE_5 ∗, 7, 2, 1; 2002 NF_5 ∗, 7, 2, 1; 2002 NG_5 ∗, 7, 2, 1; 2002 NH_5 ∗, 7, 2, 1; 2002 NJ_5 ∗, 7, 2, 1; 2002 NK_5 ∗, 6, 2, 1; 2002 NL_5 ∗, 7, 2, 1; 2002 NM_5 ∗, 9, 3, 22; 2002 NN_5 ∗, 9, 3, 22; 2002 NO_5 ∗, 7, 2, 1; 2002 NP_5 ∗, 10, 3, 22; 2002 NQ_5 ∗, 6, 2, 1; 2002 NR_5 ∗, 7, 2, 1; 2002 NS_5 ∗, 7, 2, 1; 2002 NT_5 ∗, 7, 2, 1; 2002 NU_5 ∗, 7, 2, 1; 2002 NV_5 ∗, 7, 2, 1; 2002 NW_5 ∗, 7, 2, 1; 2002 NX_5 ∗, 12, 3, 22; 2002 NY_5 ∗, 6, 2, 1; 2002 NZ_5 ∗, 7, 2, 1; 2002 NA_6 ∗, 7, 2, 1; 2002 NB_6 ∗, 6, 2, 1; 2002 NC_6 ∗, 6, 2, 1; 2002 ND_6 ∗, 6, 2, 1; 2002 NE_6 ∗, 6, 2, 1; 2002 NF_6 ∗, 9, 3, 23; 2002 NG_6 ∗, 11, 4, 23; 2002 NH_6 ∗, 9, 3, 23; 2002 NJ_6 ∗, 6, 2, 1; 2002 NK_6 ∗, 6, 2, 1; 2002 NL_6 ∗, 12, 4, 23; 2002 NM_6 ∗, 6, 2, 1; 2002 NN_6 ∗, 15, 3, 22; 2002 NO_6 ∗, 6, 2, 1; 2002 NP_6 ∗, 6, 2, 1; 2002 NQ_6 ∗, 6, 2, 1; 2002 NR_6 ∗, 12, 4, 23; 2002 NS_6 ∗, 6, 2, 1; 2002 NT_6 ∗, 12, 4, 23; 2002 NU_6 ∗, 6, 2, 1; 2002 NV_6 ∗, 8, 3, 22; 2002 NX_6, 3, 1, 0; 2002 NY_6, 6, 2, 2; 2002 NH_7, 4, 1, 0; 2002 NO_{10}, 2, 1, 0; 2002 NR_{11}, 2, 1, 0; 2002 NX_{11}, 2, 1, 0; 2002 NJ_{12}, 7, 2, 1; 2002 NX_{13}, 3, 1, 0; 2002 NO_{16}, 9, 3, 22; 2002 NR_{18}, 5, 2, 2; 2002 NU_{18}, 3, 1, 0; 2002 NC_{19}, 3, 1, 0; 2002 NJ_{19}, 3, 1, 0; 2002 NM_{19}, 6, 2, 2; 2002 NJ_{21}, 5, 2, 2; 2002 NZ_{21}, 6, 2, 2; 2002 NA_{22}, 6, 2, 2; 2002 NB_{22}, 6, 2, 2; 2002 NC_{22}, 6, 2, 2; 2002 NM_{22}, 3, 1, 0; 2002 ND_{23}, 9, 2, 2; 2002 NY_{23}, 6, 2, 2; 2002 NW_{24}, 3, 1, 0; 2002 NP_{26}, 3, 1, 0; 2002 NT_{26}, 6, 2, 2; 2002 NG_{31}, 3, 1, 0; 2002 NL_{31}, 4, 1, 0; 2002 NM_{31}, 6, 2, 1; 2002 NN_{31}, 6, 2, 1; 2002 NW_{31} ∗, 6, 2, 1; 2002 NX_{31} ∗, 7, 2, 1; 2002 NZ_{31}, 3, 1, 0; 2002 NX_{33}, 6, 2, 1; 2002 NK_{34}, 5, 2, 2; 2002 NL_{34}, 5, 2, 2; 2002 NN_{38} ∗, 6, 2, 2; 2002 NJ_{39}, 3, 1, 0; 2002 NK_{39}, 3, 1, 0; 2002 NZ_{43}, 1, 1, 0; 2002 NA_{44} ∗, 3, 1, 0; 2002 NB_{44} ∗, 6, 2, 23; 2002 NC_{44} ∗, 3, 1, 0; 2002 ND_{44} ∗, 3, 1, 0; 2002 NE_{44} ∗, 6, 2, 1; 2002 NS_{44}, 3, 1, 0; 2002 NL_{46}, 2, 1, 0; 2002 NO_{46}, 3, 1, 0; 2002 NF_{49} ∗, 7, 2, 1; 2002 NG_{49} ∗, 7, 2, 1; 2002 NH_{49} ∗, 5, 2, 1; 2002 NQ_{50}, 4, 2, 1; 2002 NS_{50}, 3, 1, 0; 2002 NC_{51}, 5, 2, 2; 2002 NL_{55}, 3, 1, 0; 2002 NO_{55}, 2, 1, 0; 2002 NP_{55} ∗, 3, 1, 0; 2002 NR_{55} ∗, 3, 1, 0; 2002 NK_{56} ∗, 3, 1, 0; 2002 NR_{56}, 6, 2, 2; 2002 OY_3, 3, 1, 0; 2002 OM_{15}, 4, 1, 0; 2002 ON_{19}, 6, 1, 0; 2002 OQ_{20}, 3, 1, 0; 2002 OJ_{24}, 4, 1, 0; 2002 PB, 11, 2, 1; 2002 PG ∗, 6, 2, 1; 2002 PH ∗, 6, 2, 1; 2002 PJ ∗, 5, 2, 1; 2002 PK ∗, 5, 2, 1; 2002 PL ∗, 5, 2, 1; 2002 PM ∗, 5, 2, 1; 2002 PN, 7, 1, 0; 2002 PO ∗, 12, 4, 5; 2002 PP ∗, 12, 4, 5; 2002 PQ ∗, 12, 4, 5; 2002 PR ∗, 6, 2, 1; 2002 PS ∗, 12, 4, 5; 2002 PT ∗, 12, 4, 5; 2002 PD_1, 3, 1, 0; 2002 PA_6 ∗, 9, 3, 5; 2002 PB_6 ∗, 9,

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Observers E. F. Helin, S. Pravdo, K. Lawrence, K. Kuluhiwa, P. Kervin, J. Africano, R. Maeda, M. Hicks

Measurers NEAT team, R. Haver, A. Pelloni, G. Forti, F. Anzellini

1.2-m reflector + CCD

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(43170), 3, 1, 0; (43209), 6, 2, 12; (43211), 3, 1, 0; (43216), 3, 1, 0; (43217), 6, 2, 12; (43222), 6, 2, 15; (43240), 3, 1, 0; (43251), 3, 1, 0; (43256), 3, 1, 0; (43260), 3, 1, 0; (43267), 3, 1, 0; (43269), 6, 2, 20; (43372), 3, 1, 0; (43491), 3, 1, 0; (43524), 3, 1, 0; (43531), 3, 1, 0; (43563), 3, 1, 0; (43565), 3, 1, 0; (43569), 6, 2, 2; *[21591, 6013, 206∗, 2000/03/06–2002/08/17]*

611 Starkenburg Sternwarte, Heppenheim
M. Busch, Niemoellerstr. 9, D-64646 Heppenheim, Germany [matthias.busch@t-online.de]
Observers F. Hormuth, M. Busch, P. Weise, A. Heller, R. Kresken, P. Geffert, M. Gross
0.45-m f/4.4 reflector + CCD
USNO-SA2.0, GSC-ACT, USNO-A2.0

1981 EN_{13}, 3, 1, 0; 2000 BS_{35}, 5, 1, 0; 2001 VS_{78}, 2, 1, 0; 2001 YJ_4, 3, 1, 0; 2002 AL_{14}, 2, 1, 0; 2002 AJ_{29}, 2, 1, 0; 2002 HU_{11}, 8, 3, 13; 2002 JR_9, 3, 1, 0; 2002 KH_3, 4, 2, 33; 2002 KL_6, 2, 1, 0; 2002 LV, 13, 5, 26; 2002 LB_6, 6, 2, 24; 2002 LS_{32}, 5, 2, 5; 2002 MC, 2, 1, 0; 2002 MO_3, 2, 1, 0; 2002 NX, 14, 5, 20; 2002 NN_4, 5, 1, 0; 2002 NG_{24}, 3, 1, 0; 2002 NS_{35}, 3, 1, 0; 2002 NY_{40}, 11, 3, 29; 2002 NM_{55}, 3, 1, 0; 2002 OM_4, 3, 1, 0; 2002 ON_4, 3, 1, 0; 2002 OS_4, 3, 1, 0; 2002 OJ_{21}, 3, 1, 0; 2002 OW_{21}, 3, 1, 0; 2002 PN, 5, 1, 0; 2002 PM_6, 3, 1, 0; 2002 PH_{80}, 2, 1, 0; 2002 PP_{113}, 4, 1, 0; 2002 PQ_{113}, 3, 1, 0; 2002 PR_{113}, 2, 1, 0; 2002 PC_{130}, 3, 1, 0; 2002 PD_{130}, 2, 1, 0; 2002 PE_{130}, 4, 1, 0; (3635), 2, 1, 0; *[146, 36, 0∗, 2002/06/24–2002/08/16]*

620 Observatorio Astronómico de Mallorca
À. López, Observatori Astronómic de Mallorca, Camí de l'observatori s/n, E-07144 Costitx, Baleares, Spain [astroam@bitel.es]
Observers J. Rodriguez, J. Nomen, S. Sanchez, V. Burwitz, F. Serra, A. Garcia, O. Arratia, M. E. Sansaturio, M. Blasco
Measurers J. Rodriguez, S. Sanchez, V. Burwitz, F. Serra, J. Nomen, O. Arratia, M. E. Sansaturio, M. Blasco
0.40-m f/2.0 Schmidt + CCD
USNO-SA2.0

2000 YT_{134}, 2, 1, 0; 2002 LY_{45}, 6, 2, 1; 2002 MO_3, 3, 1, 0; 2002 MR_3, 4, 1, 0; 2002 NX, 10, 2, 14; 2002 NP_1, 3, 1, 0; 2002 NN_4, 3, 1, 0; 2002 NT_7, 3, 1, 0; 2002 NX_{18}, 6, 1, 0; 2002 NY_{31}, 3, 1, 0; 2002 NY_{40}, 9, 2, 23; 2002 OS_4, 3, 1, 0; 2002 PM_6, 6, 1, 0; 2002 PD_{11}, 2, 1, 0; 2002 PO_{75}, 2, 1, 0; *[65, 15, 0∗, 2002/06/28–2002/08/14]*

621 Bergisch Gladbach
W. Bickel, Schau ins Land 21, D-51429 Bergisch Gladbach, Germany [0220455671-0001@t-online.de]
0.60-m f/5.2 reflector + CCD
USNO-A2.0

1999 KW_4, 6, 2, 1; 1999 RL_{51}, 3, 1, 0; 2000 ED_{104}, 10, 3, 22; 2000 GG_{160}, 2, 1, 0; 2000 QC_{243}, 6, 3, 3; 2001 HY_7, 3, 1, 0; 2001 TV_{207}, 3, 1, 0; 2001 YP_{75}, 5, 1, 0; 2002 CL_{225}, 4, 1, 0; 2002 GQ_{61}, 3, 1, 0; 2002 GE_{131}, 4, 1, 0; 2002 GO_{172}, 4, 1, 0; 2002 JD_{101}, 2, 1, 0; 2002 KH_4, 5, 2, 4; 2002 LB_6, 7, 1, 0; 2002 LY_{45}, 5, 1, 0; 2002 MT_1, 7, 2, 4; 2002 ND_7, 3, 1, 0; 2002 NG_7, 9, 2, 4; 2002 NV_{26}, 4, 2, 1; 2002 NH_{28} ∗, 6, 3, 3; 2002 NH_{34} ∗, 5, 2, 4; 2002 NW_{46} ∗, 5, 2, 8; 2002 OC_5 ∗, 6, 2, 4; 2002 OD_5 ∗, 6, 2, 4; 2002 OE_5 ∗, 6, 2, 4; 2279 T-2, 8, 3, 3; (1974), 3, 1, 0; (12695), 4, 1, 0; (23183), 2, 1, 0; (25061), 9, 2, 4; *[155, 31, 6∗, 1999/08/21–2002/07/20]*

628 Mülheim-Ruhr
A. Martin, Turtle Star Observatory, Friedhostr. 15, D-45478 Mülheim-Ruhr, Germany [axelm@bph.ruhr-uni-bochum.de]
Observers A. Boeker, A. Martin
0.25-m f/6.1 Schmidt-Cassegrain + CCD
USNO-A2.0

1991 VD_4, 4, 1, 0; 1998 MU_{24}, 3, 1, 0; 1998 QC_{86}, 4, 1, 0; 1999 TE_{245}, 3, 1, 0; 1999 XD_{17}, 5, 1, 0; 1999 XA_{21}, 3, 1, 0; 2000 AZ_{115}, 4, 1, 0; 2000 AW_{239}, 4, 1, 0; 2000 CO_{48}, 4, 1, 0; 2001 FD_5, 8, 2, 1; 2002 KS_3, 4, 1, 0; 2002 LH_{35}, 4, 1, 0; 2002 MY_3, 4, 1, 0; 2002 NY_{40}, 5, 1, 0; 2002 ON_1, 3, 1, 0; (1922), 4, 1, 0; (3505), 4, 1, 0; (4232), 2, 1, 0; (6249), 4, 1, 0; (6425), 4, 1, 0; (42685), 4, 1, 0; (42811), 4, 1, 0; *[88, 22, 0∗, 2002/07/19–2002/08/18]*

631 Hamburg-Georgswerder
M. Buck, Niedergeorgswerder Deich 96a, D-21109 Hamburg, Germany [michael.buck@joice.net]
0.15-m f/8 refractor + CCD
USNO-A2.0

(5913), 4, 3, 6; (31685), 3, 2, 5; (33075), 3, 2, 5; (38054), 4, 3, 6; *[14, 4, 0∗, 2001/12/13–2001/12/19]*

636 Essen
A. Knöfel, Saarbrücker Str. 8, D-40476 Düsseldorf, Germany [aknoefel@minorplanets.de]
Observers A. Knöfel, T. Payer, T. Payer. M. Werger
Measurers A. Knöfel, T. Payer
0.318-m f/5.7 reflector + CCD
USNO-A2.0

1982 VN_2, 3, 1, 0; 1993 VP_2, 3, 1, 0; 1997 QB_3, 3, 1, 0; 1998 FD_{30}, 4, 1, 0; 1998 RC_{23}, 3, 1, 0; 1998 SQ_2, 3, 1, 0; 1998 SQ_{118}, 3, 1, 0; 1998 UY_{19}, 4, 1, 0; 1998 UM_{21}, 3, 1, 0; 1998 XV_{95}, 3, 1, 0; 1999 AH_6, 3, 1, 0; 1999 RK_{42}, 2, 1, 0; 1999 SW_{27}, 3, 1, 0; 1999 TS_{243}, 3, 1, 0; 1999 US_{41}, 3, 1, 0; 1999 WY_1, 3, 1, 0; 1999 XL_{15}, 3, 1, 0; 1999 XM_{102}, 3, 1, 0; 1999 XY_{261}, 3, 1, 0; 2000 AZ_{105}, 3, 1, 0; 2000 AK_{106}, 3, 1, 0; 2000 CZ_{24}, 2, 1, 0; 2000 CO_{103}, 3, 1, 0; 2000 DC_{71}, 3, 1, 0; 2000 EB_{158}, 3, 1, 0; 2001 DC_{15}, 3, 1, 0; 2001 FM_{171}, 4, 1, 0; 2001 KM_{36}, 3, 1, 0; 2002 HU_{11}, 4, 1, 0; 2002 JY_8, 3, 1, 0; 2002 KH_3, 3, 1, 0; 2002 LL, 3, 1, 0; 2002 LM, 3, 1, 0; 2002 LV, 8, 2, 27; 2002 LK_5, 3, 1, 0; 2002 LV_6, 3, 1, 0; 2002 LS_{32}, 3, 1, 0; 2002 LF_{35}, 3, 1, 0; 2002 LH_{35}, 6, 2, 19; 2002 LS_{43}, 3, 1, 0; 2002 LY_{45}, 3, 1, 0; 2002 MF_1, 3, 1, 0; 2002 ML_1, 3, 1, 0; 2002 MY_3, 3, 1, 0; 2002 NA, 2, 1, 0; 2002 NX, 8, 2, 10; 2002 NV_2, 3, 1, 0; 2002 NX_{18}, 4, 1, 0; 2002 NQ_{31}, 2, 1, 0; 2002 NE_{32}, 3, 1, 0; 2002 NJ_{32}, 6, 2, 18; 2002 NK_{32}, 3, 1, 0; 2002 NN_{32}, 6, 2, 8; 2002 NO_{32}, 3, 1, 0; 2002 NQ_{32}, 3, 1, 0; 2002 NH_{33}, 3, 1, 0; 2002 NY_{40}, 13, 3, 17; 2002 ON_1, 3, 1, 0; 2002 OS_1, 3, 1, 0; 2002 OC_2, 2, 1, 0; 2002 OJ_2, 3, 1, 0; 2002 OS_4, 3, 1, 0; 2002 OD_5, 4, 1, 0; 2002 OS_5, 3, 1, 0; 2002 OX_{11}, 3, 1, 0; 2002 OL_{12}, 2, 1, 0; 2002 PM_6, 8, 2, 8; 2002 PS_6, 3, 1, 0; 2002 PZ_{42}, 4, 1, 0; (1743), 4, 1, 0; (5415), 4, 1, 0; (20713), 3, 1, 0; (24201), 3, 1, 0; (24936), 3, 1, 0; (26346), 3, 1, 0; *[262, 75, 0∗, 2002/06/24–2002/08/17]*

642 Oak Bay, Victoria
C. E. Spratt, 1431 St. Patrick Street, Victoria, BC V8S 4Y5, Canada [cspratt@islandnet.com]
0.235-m f/5.6 Schmidt-Cassegrain + focal reducer + CCD
USNO-A2.0

1999 HF_1, 6, 2, 2; 2002 LV, 4, 1, 0; 2002 LS_{32}, 3, 1, 0; 2002 NX, 16, 4, 9; 2002 NW_{16}, 6, 2, 4; 2002 NY_{40}, 6, 2, 1; 2002 OW_{22}, 5, 1, 0; 2002 PR_1, 16, 5, 4; *[62, 8, 0∗, 2002/07/02–2002/08/17]*

643 OCA-Anza Observatory
M. White, 28089 Calle Valdes, Mission Viejo, CA 92692, U.S.A. [minor.white@cox.net]
Observers M. White, M. Collins
0.57-m Cassegrain reflector + CCD
USNO-A2.0

2001 HO_{67}, 3, 1, 0; *[3, 1, 0∗, 2001/04/28]*

644 Palomar Mountain/NEAT
E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. [efh@temblor.jpl.nasa.gov]
Observers E. F. Helin, S. Pravdo, K. Lawrence, K. Kuluhiwa, M. Hicks, R. Thicksten
Measurers NEAT team, R. Haver, A. Pelloni, G. Forti
1.2-m Oschin Schmidt + CCD

1968 OB, 6, 2, 15; 1975 SZ_1, 12, 4, 34; 1975 UY, 9, 3, 35; 1977 JA, 3, 1, 0; 1978 NH, 3, 1, 0; 1978 RV_9, 3, 1, 0; 1978 UJ_5, 12, 3, 31; 1978 VB_4, 3, 1, 0; 1978 VQ_6, 3, 1, 0; 1978 VX_{10}, 3, 1, 0; 1979 MQ_2, 15, 5, 54; 1979 MS_3, 12, 4, 33; 1979 ML_5, 9, 3, 16; 1979 MM_7, 3, 1, 0; 1979 MO_7, 9, 3, 27; 1979 MV_7, 18, 6, 30; 1979 MY_7, 6, 2, 9; 1979 MP_8, 3, 1, 0; 1979 QH_2, 3, 1, 0; 1981 DL_2, 9, 3, 33; 1981 EJ_2, 9, 3, 26; 1981 ES_2, 3, 1, 0; 1981 EU_3, 6, 2, 15; 1981 EZ_4, 3, 1, 0; 1981 EN_5, 3, 1, 0; 1981 ED_6, 3, 1, 0; 1981 EM_9, 3, 1, 0; 1981 ER_{18}, 6, 2, 19; 1981 EF_{21}, 3, 1, 0; 1981 EN_{22}, 3, 1, 0; 1981 EH_{31}, 12, 4, 24; 1981 EL_{31}, 3, 1, 0; 1981 EH_{45}, 3, 1, 0; 1981 EV_{45}, 3, 1, 0; 1981 EG_{46}, 6, 2, 27; 1982 UD_4, 6, 2, 17; 1982 VN_3, 3, 1, 0; 1983 AA, 6, 2, 10; 1983 RJ_1, 18, 5, 26; 1984 DB_1, 12, 4,

27; 1985 PM_1, 3, 1, 0; 1985 QY_2, 12, 4, 42; 1986 QC_3, 3, 1, 0; 1986 WC_1, 6, 2, 21; 1987 KF_1, 18, 5, 27; 1988 CR_4, 15, 5, 26; 1988 EK, 3, 1, 0; 1988 RF_6, 3, 1, 0; 1988 RY_{12}, 3, 1, 0; 1988 SR_2, 3, 1, 0; 1988 TV_1, 3, 1, 0; 1989 CO_2, 3, 1, 0; 1989 CA_6, 6, 2, 36; 1989 SA_2, 3, 1, 0; 1989 SZ_{13}, 3, 1, 0; 1989 TB_3, 12, 4, 41; 1989 US_2, 3, 1, 0; 1989 UR_7, 3, 1, 0; 1989 UX_7, 9, 3, 36; 1989 XR_1, 12, 4, 30; 1989 YC_6, 18, 6, 43; 1990 EC_1, 6, 2, 27; 1990 HU_5, 3, 1, 0; 1990 QA_8, 15, 5, 44; 1990 QR_8, 15, 5, 34; 1990 RB_3, 6, 2, 18; 1990 RW_{14}, 15, 5, 34; 1990 SV, 12, 4, 52; 1990 SW_6, 3, 1, 0; 1990 UK_5, 9, 3, 35; 1990 VY_1, 3, 1, 0; 1990 VH_3, 3, 1, 0; 1990 VO_8, 3, 1, 0; 1990 YP, 9, 3, 23; 1991 AK_1, 6, 1, 0; 1991 AF_2, 12, 3, 26; 1991 GW_8, 12, 3, 59; 1991 PZ_1, 3, 1, 0; 1991 PT_2, 9, 3, 13; 1991 PU_2, 3, 1, 0; 1991 PB_3, 15, 5, 26; 1991 PZ_{10}, 9, 3, 33; 1991 PL_{15}, 3, 1, 0; 1991 PY_{18}, 6, 2, 34; 1991 RT_6, 6, 2, 24; 1991 RG_7, 18, 5, 44; 1991 RF_{11}, 12, 4, 22; 1991 RJ_{20}, 18, 5, 75; 1991 RW_{21}, 6, 2, 21; 1991 RA_{24}, 3, 1, 0; 1991 TQ_2, 3, 1, 0; 1991 UE_1, 6, 2, 51; 1991 UR_2, 3, 1, 0; 1992 CN_2, 9, 3, 10; 1992 DE_8, 6, 2, 1; 1992 ET_{32}, 6, 2, 29; 1992 PP_1, 9, 3, 34; 1992 PT_1, 6, 2, 9; 1992 RP_5, 3, 1, 0; 1992 SJ_{17}, 3, 1, 0; 1992 SW_{18}, 3, 1, 0; 1992 SW_{21}, 3, 1, 0; 1992 SY_{24}, 9, 3, 2; 1992 UR_4, 3, 1, 0; 1992 UC_6, 12, 4, 25; 1992 YP_3, 6, 2, 9; 1993 BV_5, 9, 3, 13; 1993 FT, 3, 1, 0; 1993 FK_4, 6, 2, 2; 1993 FT_6, 6, 2, 1; 1993 FP_8, 3, 1, 0; 1993 FU_9, 3, 1, 0; 1993 FL_{10}, 6, 2, 15; 1993 FG_{14}, 3, 1, 0; 1993 FL_{19}, 6, 2, 12; 1993 FC_{27}, 3, 1, 0; 1993 FA_{33}, 9, 3, 26; 1993 FC_{45}, 15, 5, 42; 1993 FM_{45}, 3, 1, 0; 1993 FN_{49}, 12, 4, 17; 1993 FD_{53}, 9, 3, 38; 1993 FC_{60}, 6, 2, 38; 1993 FJ_{60}, 3, 1, 0; 1993 FY_{80}, 3, 1, 0; 1993 FD_{83}, 9, 2, 10; 1993 HB, 6, 2, 11; 1993 HO_2, 3, 1, 0; 1993 LK_2, 9, 2, 4; 1993 MR, 12, 4, 34; 1993 NC_2, 3, 1, 0; 1993 OX_2, 6, 2, 16; 1993 OU_8, 3, 1, 0; 1993 PV_8, 9, 3, 34; 1993 QQ_5, 12, 4, 27; 1993 QP_9, 21, 6, 44; 1993 RB_{11}, 15, 5, 35; 1993 SJ, 3, 1, 0; 1993 SV_5, 3, 1, 0; 1993 SB_{14}, 6, 2, 25; 1993 TP_{18}, 3, 1, 0; 1993 TP_{25}, 3, 1, 0; 1993 TX_{36}, 9, 3, 25; 1993 UL_7, 3, 1, 0; 1993 UX_7, 6, 2, 22; 1993 VL_1, 3, 1, 0; 1994 AT, 9, 2, 16; 1994 AN_{15}, 15, 5, 34; 1994 CQ_9, 9, 3, 7; 1994 CT_{13}, 3, 1, 0; 1994 CR_{16}, 9, 3, 7; 1994 CA_{17}, 6, 2, 9; 1994 EK_1, 6, 2, 13; 1994 EU_6, 12, 4, 24; 1994 EF_7, 3, 1, 0; 1994 JO_4, 6, 2, 30; 1994 PQ_1, 3, 1, 0; 1994 PU_2, 9, 3, 25; 1994 PX_6, 6, 2, 9; 1994 PV_7, 6, 2, 15; 1994 PA_9, 9, 3, 21; 1994 PH_9, 18, 6, 44; 1994 PQ_9, 6, 2, 15; 1994 PU_9, 3, 1, 0; 1994 PX_9, 9, 3, 16; 1994 PW_{10}, 9, 3, 25; 1994 PW_{11}, 18, 5, 34; 1994 PA_{12}, 9, 3, 16; 1994 PM_{15}, 6, 2, 7; 1994 PE_{16}, 9, 3, 26; 1994 PX_{18}, 3, 1, 0; 1994 PZ_{18}, 3, 1, 0; 1994 PG_{19}, 6, 2, 51; 1994 PT_{20}, 6, 2, 9; 1994 PB_{24}, 6, 2, 16; 1994 PD_{27}, 6, 2, 1; 1994 PP_{27}, 3, 1, 0; 1994 PO_{28}, 6, 2, 16; 1994 PM_{30}, 6, 2, 24; 1994 PN_{30}, 3, 1, 0; 1994 PD_{34}, 12, 4, 19; 1994 PL_{35}, 6, 2, 1; 1994 RT_1, 6, 2, 8; 1994 RM_2, 12, 3, 11; 1994 RE_{11}, 6, 2, 15; 1994 SD, 6, 2, 15; 1994 SA_{11}, 3, 1, 0; 1994 TK, 12, 4, 14; 1994 TX, 6, 1, 0; 1994 UL_9, 3, 1, 0; 1994 VZ_6, 12, 4, 17; 1994 WJ_3, 3, 1, 0; 1994 WT_3, 9, 3, 15; 1995 BO_6, 3, 1, 0; 1995 BP_{11}, 12, 4, 25; 1995 BS_{11}, 6, 2, 6; 1995 CK_5, 3, 1, 0; 1995 CX_7, 3, 1, 0; 1995 CC_{10}, 9, 2, 18; 1995 DU, 3, 1, 0; 1995 EK_2, 6, 2, 5; 1995 FU_4, 6, 2, 11; 1995 FJ_9, 6, 2, 3; 1995 FN_{17}, 3, 1, 0; 1995 FJ_{20}, 3, 1, 0; 1995 FU_{20}, 6, 2, 15; 1995 MU_7, 6, 2, 25; 1995 OF, 3, 1, 0; 1995 OY_1, 6, 2, 19; 1995 OP_2, 3, 1, 0; 1995 OV_3, 3, 1, 0; 1995 QP_3, 3, 1, 0; 1995 SQ_1, 15, 4, 25; 1995 SC_8, 3, 1, 0; 1995 SR_{13}, 6, 2, 28; 1995 SG_{21}, 6, 2, 21; 1995 SV_{26}, 6, 2, 1; 1995 SG_{34}, 3, 1, 0; 1995 ST_{44}, 15, 5, 42; 1995 TP, 9, 3, 35; 1995 UC_4, 15, 5, 34; 1995 UG_7, 3, 1, 0; 1995 UR_9, 9, 3, 11; 1995 UD_{15}, 3, 1, 0; 1995 UT_{42}, 3, 1, 0; 1995 UO_{52}, 9, 3, 35; 1995 UK_{65}, 6, 2, 12; 1995 UF_{80}, 6, 2, 38; 1995 VC, 9, 3, 19; 1995 VH_2, 21, 6, 26; 1995 VX_2, 15, 5, 34; 1995 VX_4, 6, 2, 11; 1995 VG_{10}, 3, 1, 0; 1995 VJ_{11}, 3, 1, 0; 1995 WO, 12, 4, 26; 1995 WK_4, 6, 2, 16; 1995 WX_4, 12, 4, 35; 1995 WE_7, 6, 2, 13; 1995 WO_{17}, 15, 5, 25; 1995 WA_{20}, 6, 2, 59; 1995 WR_{34}, 9, 3, 18; 1995 WQ_{40}, 6, 2, 21; 1995 YT, 9, 3, 11; 1995 YA_1, 3, 1, 0; 1995 YC_2, 6, 2, 5; 1996 AP_2, 15, 5, 26; 1996 AD_6, 3, 1, 0; 1996 AG_6, 6, 2, 39; 1996 AZ_{16}, 3, 1, 0; 1996 AE_{18}, 12, 4, 19; 1996 AO_{18}, 6, 2, 9; 1996 BG_3, 3, 1, 0; 1996 BO_6, 3, 1, 0; 1996 BS_9, 3, 1, 0; 1996 CJ_2, 9, 3, 21; 1996 CW_3, 15, 5, 19; 1996 CE_5, 15, 5, 25; 1996 DV_1, 12, 4, 34; 1996 EL_1, 3, 1, 0; 1996 EA_3, 3, 1, 0; 1996 EB_8, 3, 1, 0; 1996 EF_9, 3, 1, 0; 1996 EK_{10}, 3, 1, 0; 1996 FM_{12}, 6, 2, 29; 1996 FX_{21}, 3, 1, 0; 1996 GN_4, 9, 3, 26; 1996 GO_{13}, 3, 1, 0; 1996 HT_6, 6, 2, 11; 1996 HE_{13}, 3, 1, 0; 1996 HE_{16}, 6, 2, 26; 1996 JO_9, 9, 3, 29; 1996 JC_{13}, 6, 2, 14; 1996 LK, 3, 1, 0; 1996 OL_2, 12, 4, 26; 1996 QH, 3, 1, 0; 1996 RA_4, 6, 1, 0; 1996 RZ_{20}, 6, 1, 0; 1996 RQ_{31}, 9, 2, 9; 1996 RO_{32}, 6, 2, 9; 1996 TF, 18, 6, 26; 1996 TM_{18}, 3, 1, 0; 1996 TS_{25}, 12, 3, 54; 1996 TG_{41}, 6, 2, 25; 1996 TX_{50}, 3, 1, 0; 1996 TA_{58}, 3, 1, 0; 1996 UK_4, 3, 1, 0; 1996 VB_4, 6, 2, 2; 1996 VW_9, 3, 1, 0; 1996 VV_{11}, 6, 2, 29; 1996 VE_{19}, 3, 1, 0; 1996 VG_{35}, 3, 1, 0; 1996 WF, 6, 2, 11; 1996 WR, 9, 3, 14; 1996 XL_3, 6, 2, 10; 1996 XY_5, 6, 2, 9; 1996 XO_{15}, 3, 1, 0; 1996 XW_{24}, 3, 1, 0; 1996 XH_{33}, 6, 2, 2; 1996 YP, 12, 4, 11; 1996 YX, 12, 4, 43; 1996 YV_2, 3, 1, 0; 1997 AV, 9, 3, 25; 1997 AM_1, 3, 1, 0; 1997 AW_1, 3, 1, 0; 1997 AS_2, 24, 6, 49; 1997 AX_5, 3, 1, 0; 1997 AE_7, 9, 3, 16; 1997 AP_{18}, 6, 2, 3; 1997 AU_{18}, 9, 3, 17; 1997 BB, 9, 3, 25; 1997 BG_1, 3, 1, 0; 1997 BU_2, 3, 1, 0; 1997 BC_5, 12, 4, 26; 1997 BL_5, 3, 1, 0; 1997 BG_7, 12, 4, 30; 1997 CT, 6, 2, 7; 1997 CE_6, 12, 4, 34; 1997 CS_6, 3, 1, 0; 1997 CD_7, 6, 2, 16; 1997 CY_9, 12, 4, 35; 1997 CJ_{11}, 6, 2, 11; 1997 CL_{13}, 3, 1, 0; 1997 CZ_{14}, 6, 2, 17; 1997 CH_{17}, 9, 3, 16; 1997 CM_{20}, 6, 2, 9; 1997 CB_{26}, 9, 3, 19; 1997 DQ, 3, 1, 0; 1997 DX, 3, 1, 0; 1997 EN_5, 6, 2, 9; 1997 ER_{10}, 6, 2, 11; 1997 EX_{13}, 3, 1, 0; 1997 EW_{14}, 3, 1, 0; 1997 EF_{23}, 6, 2, 16; 1997 EF_{30}, 3, 1, 0; 1997 EO_{32}, 21, 7, 44; 1997 EQ_{35}, 3, 1, 0; 1997 EM_{36}, 9, 3, 25; 1997 EE_{37}, 3, 1, 0; 1997 EN_{39}, 3, 1, 0; 1997 EP_{39}, 9, 2, 18; 1997 FM_2, 3, 1, 0; 1997 GL, 12, 4, 35; 1997 GC_2, 3, 1, 0; 1997 GB_4, 15, 5, 44; 1997 GM_6, 9, 3, 25; 1997 GO_9, 3, 1, 0; 1997 GY_{12}, 3, 1, 0; 1997 GC_{13}, 3, 1, 0; 1997 GF_{14}, 12, 4, 34; 1997 GQ_{14}, 12, 4, 51; 1997 GC_{17}, 3, 1, 0; 1997 GD_{17}, 18, 6, 43; 1997 GM_{17}, 9, 3, 30; 1997 GM_{21}, 12, 4, 56; 1997 GN_{23}, 6, 2, 6; 1997 GV_{28}, 3, 1, 0; 1997 GA_{32}, 9, 3, 16; 1997 HD_1, 3, 1, 0; 1997 HU_1, 21, 5, 34; 1997 HJ_2, 3, 1, 0; 1997 HR_7, 3, 1, 0; 1997 HQ_8, 9, 3, 32; 1997 HF_9, 15, 5, 35; 1997 HV_{10}, 3, 1, 0; 1997 HA_{17}, 3, 1, 0; 1997 JR_9, 12, 4, 35; 1997 KE_3, 6, 2, 11; 1997 KQ_3, 6, 2, 18; 1997 LC_4, 3, 1, 0; 1997 LG_4, 3, 1, 0; 1997 LN_4, 12, 4, 44; 1997 MJ, 3, 1, 0; 1997 ML_1, 12, 4, 32; 1997 MY_2, 3, 1, 0; 1997 MS_6, 6, 2, 23; 1997 MF_{10}, 15, 5, 50; 1997 NP, 18, 6, 26; 1997 OK_1, 6, 2, 5; 1997 PK_3, 6, 2, 22; 1997 PO_4, 6, 2, 12; 1997 QX, 6, 2, 28; 1997 RB, 9, 3, 26; 1997 RS_2, 6, 2, 4; 1997 RE_3, 18, 6, 26; 1997 ST_1, 9, 3, 51; 1997 SZ_2, 9, 3, 25; 1997 SY_3, 18, 6, 52; 1997 SX_{10}, 6, 2, 36; 1997 SE_{15}, 3, 1, 0; 1997 SJ_{29}, 3, 1, 0; 1997 SA_{31}, 12, 4, 37; 1997 SY_{31}, 3, 1, 0; 1997 SB_{35}, 6, 2, 11; 1997 TD_{16}, 3, 1, 0; 1997 TA_{25}, 12, 4, 16; 1997 TL_{25}, 3, 1, 0; 1997 TB_{26}, 12, 4, 11; 1997 UD_{21}, 6, 2, 5; 1997 VQ_6, 3, 1, 0; 1997 WJ_4, 6, 2, 14; 1997 WE_{36}, 3, 1, 0; 1997 XG_{10}, 3, 1, 0; 1998 BK_4, 3, 1, 0; 1998 BQ_{11}, 3, 1, 0; 1998 BJ_{25}, 3, 1, 0; 1998 BJ_{26}, 3, 1, 0; 1998 CD_3, 3, 1, 0; 1998 CB_4, 6, 2, 6; 1998 DB, 9, 3, 17; 1998 DM_6, 3, 1, 0; 1998 DO_7, 18, 6, 37; 1998 DR_7, 6, 2, 14; 1998 DB_{12}, 6, 2, 23; 1998 DE_{18}, 6, 2, 7; 1998 DJ_{20}, 3, 1, 0; 1998 DT_{22}, 3, 1, 0; 1998 DN_{23}, 9, 3, 11; 1998 DQ_{27}, 18, 6, 87; 1998 DR_{29}, 6, 2, 20; 1998 EP, 9, 3, 40; 1998 ER_1, 15, 5, 43; 1998 ET_3, 21, 7, 78; 1998 ET_5, 3, 1, 0; 1998 ES_9, 12, 4, 17; 1998 EW_{12}, 6, 2, 18; 1998 EE_{13}, 3, 1, 0; 1998 FS_1, 6, 2, 9; 1998 FX_7, 6, 2, 1; 1998 FF_{11}, 6, 2, 27; 1998 FU_{11}, 18, 6, 53; 1998 FP_{13}, 6, 2, 19; 1998 FA_{16}, 3, 1, 0; 1998 FR_{26}, 6, 2, 6; 1998 FS_{32}, 9, 3, 32; 1998 FW_{36}, 12, 4, 23; 1998 FB_{38}, 3, 1, 0; 1998 FH_{39}, 3, 1, 0; 1998 FA_{40}, 9, 3, 25; 1998 FP_{40}, 9, 3, 25; 1998 FX_{40}, 3, 1, 0; 1998 FE_{41}, 3, 1, 0; 1998 FL_{41}, 6, 2, 24; 1998 FD_{43}, 3, 1, 0; 1998 FJ_{43}, 3, 1, 0; 1998 FP_{43}, 3, 1, 0; 1998 FK_{46}, 6, 2, 16; 1998 FK_{47}, 3, 1, 0; 1998 FQ_{47}, 9, 3, 23; 1998 FW_{47}, 3, 1, 0; 1998 FP_{48}, 3, 1, 0; 1998 FW_{50}, 9, 3, 26; 1998 FJ_{53}, 6, 2, 9; 1998 FM_{53}, 3, 1, 0; 1998 FN_{53}, 6, 2, 16; 1998 FU_{54}, 6, 2, 20; 1998 FC_{55}, 3, 1, 0; 1998 FH_{55}, 18, 6, 44; 1998 FP_{55}, 6, 2, 9; 1998 FZ_{55}, 3, 1, 0; 1998 FO_{57}, 3, 1, 0; 1998 FM_{59}, 3, 1, 0; 1998 FQ_{59}, 3, 1, 0; 1998 FG_{61}, 12, 4, 19; 1998 FS_{64}, 6, 2, 1; 1998 FR_{65}, 12, 4, 44; 1998 FS_{65}, 6, 2, 18; 1998 FV_{65}, 6, 2, 24; 1998 FT_{69}, 3, 1, 0; 1998 FW_{69}, 6, 2, 22; 1998 FB_{70}, 9, 3, 11; 1998 FC_{71}, 3, 1, 0; 1998 FE_{71}, 3, 1, 0; 1998 FK_{71}, 3, 1, 0; 1998 FQ_{71}, 6, 2, 4; 1998 FG_{75}, 6, 2, 40; 1998 FH_{75}, 12, 4, 44; 1998 FR_{75}, 3, 1, 0; 1998 FK_{76}, 6, 2, 8; 1998 FQ_{77}, 3, 1, 0; 1998 FY_{77}, 3, 1, 0; 1998 FZ_{77}, 12, 3, 27; 1998 FX_{78}, 15, 5, 35; 1998 FE_{80}, 12, 4, 36; 1998 FG_{80}, 3, 1, 0; 1998 FV_{83}, 9, 3, 16; 1998 FX_{87}, 3, 1, 0; 1998 FD_{88}, 3, 1, 0; 1998 FE_{95}, 3, 1, 0; 1998 FZ_{99}, 3, 1, 0; 1998 FW_{101}, 9, 3, 58; 1998 FZ_{101}, 12, 4, 25; 1998 FR_{102}, 3, 1, 0; 1998 FM_{103}, 3, 1, 0; 1998 FT_{105}, 12, 4, 17; 1998 FB_{106}, 12, 4, 35; 1998 FD_{106}, 3, 1, 0; 1998 FE_{106}, 3, 1, 0; 1998 FJ_{106}, 12, 4, 40; 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645 Apache Point–Sloan Digital Sky Survey

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Observers Sloan Digital Sky Survey Collaboration
Measurers Z. Ivezic, M. Jurić, R. Lupton
2.5-m SDSS Telescope + SDSS camera
UCAC-1

1998 SO_{105}, 2, 1, 0; 1998 SV_{113}, 2, 1, 0; 1998 SK_{169}, 2, 1, 0; 2001 FV_{15}, 2, 1, 0; 2002 JM_{105}, 2, 1, 0; 2002 KD_{13}, 2, 1, 0; 2002 NE_1, 2, 1, 0; 2002 NC_{53}, 2, 1, 0; *[16, 8, 0*, 1998/09/19]*

649 Powell Observatory, Louisburg

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Observers K. Smalley, R. Fredrick, R. Trentman, M. Felman, D. Young, M. Glaze
Measurers K. Smalley, R. Fredrick, R. Trentman, M. Glaze
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1991 RJ_{29}, 2, 1, 0; 1998 SR_{49}, 6, 2, 1; 1998 WS_5, 7, 2, 1; 1999 NB_5, 2, 1, 0; 1999 TY_{16}, 6, 2, 7; 1999 TQ_{236}, 3, 1, 0; 2000 DD_{69}, 5, 2, 1; 2000 ED_{104}, 12, 4, 22; 2000 EW_{119}, 3, 1, 0; 2000 PH_5, 2, 1, 0; 2000 QW_{69}, 4, 2, 1; 2001 BM_{77}, 3, 1, 0; 2001 CB_{38}, 3, 1, 0; 2001 EB_{18}, 3, 1, 0; 2001 QQ_{172}, 3, 1, 0; 2001 RB_{12}, 3, 1, 0; 2001 SK_{337}, 4, 1, 0; 2001 UX_{147}, 3, 1, 0; 2002 AL_{14}, 17, 5, 8; 2002 AL_{147}, 3, 1, 0; 2002 BG_{25}, 3, 1, 0; 2002 CU_{11}, 3, 1, 0; 2002 FA_5, 2, 1, 0; 2002 FB_6, 3, 1, 0; 2002 GV_{153}, 3, 1, 0; 2002 JR_9, 3, 1, 0; 2002 JB_{60}, 4, 1, 0; 2002 JQ_{97}, 7, 3, 22; 2002 JS_{100}, 6, 2, 24; 2002 KH_4, 3, 1, 0; 2002 KL_6, 3, 1, 0; 2002 LJ, 6, 2, 18; 2002 LV, 3, 1, 0; 2002 LW, 5, 2, 15; 2002 LG_3, 5, 2, 5; 2002 LT_{24}, 2, 1, 0; 2002 LE_{27}, 5, 2, 24; 2002 LS_{32}, 7, 2, 5; 2002 LY_{45}, 9, 3, 15; 2002 MC, 3, 1, 0; 2002 MY, 3, 1, 0; 2002 MT_1, 2, 1, 0; 2002 MO_3, 6, 2, 7; 2002 MP_3, 6, 2, 26; 2002 MQ_3, 12, 4, 29; 2002 MR_3, 3, 1, 0; 2002 MS_3, 9, 3, 10; 2002 MT_3, 8, 3, 8; 2002 NT, 5, 2, 8; 2002 NV, 9, 3, 24; 2002 NX, 12, 4, 9; 2002 NP_1, 3, 1, 0; 2002 NN_4, 5, 2, 9; 2002 NT_7, 6, 2, 1; 2002 NV_{16}, 22, 7, 31; 2002 NA_{31}, 6, 2, 3; 2002 NJ_{34}, 3, 1, 0; 2002 NY_{40}, 11, 4, 17; 2002 OM_4, 10, 3, 12; 2002 ON_4, 12, 4, 19; 2002 OS_4, 6, 2, 6; 2002 OQ_7, 3, 1, 0; 2002 OL_{15}, 3, 1, 0; 2002 OD_{20}, 6, 2, 9; 2002 OH_{21}, 2, 1, 0; 2002 OJ_{21}, 3, 1, 0; 2002 OA_{22}, 12, 4, 9; 2002 OO_{22} *, 6, 2, 1; 2002 OW_{22}, 2, 1, 0; 2002 OX_{22}, 3, 1, 0; 2002 PB, 8, 3, 12; 2002 PN, 12, 4, 6; 2002 PD_1, 7, 2, 1; 2002 PR_1, 9, 3, 4; 2002 PL_6, 3, 1, 0; 2002 PM_6, 6, 2, 1; 2002 PN_6, 8, 3, 7; 2002 PO_6, 7, 3, 9; 2002 PP_6, 6, 2, 5; 2002 PQ_6, 2, 1, 0; 2002 PD_{11}, 12, 4, 8; 2002 PO_{34}, 3, 1, 0; 2002 PW_{39}, 5, 1, 0; 2002 PX_{39}, 6, 2, 2; 2002 PY_{39}, 3, 1, 0; 2002 PZ_{39}, 6, 2, 1; 2002 PC_{40}, 3, 1, 0; 2002 PD_{43}, 9, 3, 6; 2002 PE_{43}, 2, 1, 0; 2002 PF_{43}, 9, 3, 5; 2002 PG_{43}, 5, 2, 5; 2002 PJ_{67}, 3, 1, 0; 2002 PP_{113}, 3, 1, 0; 2002 PR_{113}, 3, 1, 0; 2002 PC_{130}, 6, 2, 1; 2002 PD_{130}, 3, 1, 0; 2002 PE_{130}, 3, 1, 0; (1673), 6, 2, 1; (14018), 3, 1, 0; (25359), 3, 1, 0; (25916), 6, 2, 8; (29649), 3, 1, 0; *[551, 102, 1*, 2001/09/20–2002/08/16]*

650 Temecula

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0.25-m $f/7.7$ Schmidt-Cassegrain + CCD
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2002 NY_{40}, 5, 1, 0; *[5, 1, 0*, 2002/08/17]*

651 Grasslands Observatory, Tucson

J. E. McGaha, 5100 Sabino Foothills, Tucson, AZ 85750, U.S.A. [mcgaha@skepticus.com]
0.62-m $f/5.1$ Newtonian + CCD
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658 National Research Council of Canada

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Observers J. Clem, G. B. Poole
Measurer D. D. Balam, J. L. Clem
1.82-m Plaskett telescope + CCD
USNO-A2.0

2002 OD_{20}, 5, 1, 0; 2002 OA_{22}, 4, 1, 0; 2002 OW_{22}, 3, 1, 0; 2002 OX_{22}, 3, 1, 0; 2002 PN, 4, 1, 0; 2002 PQ_6, 3, 1, 0; 2002 PS_6, 3, 1, 0; 2002 PC_{11}, 4, 1, 0; 2002 PD_{11}, 4, 1, 0; 2002 PM_{34}, 3, 1, 0; 2002 PP_{113}, 3, 1, 0; 2002 PQ_{113}, 3, 1, 0; 2002 PC_{130}, 3, 1, 0; 2002 PD_{130}, 6, 2, 1; 2002 PE_{130}, 3, 1, 0; *[54, 15, 0*, 2002/07/22–2002/08/17]*

662 Lick

M. W. Buie, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [buie@lowell.edu]
Observers E. Chiang, A. B. Jordan, M. W. Buie
Measurer M. W. Buie
3-m telescope + CCD
USNO-A2.0, global solutions

2002 EC_{23}, 2, 1, 0; *[2, 1, 0*, 2002/03/15]*

670 Camarillo
J. E. Rogers, 441 Rowland Avenue, Camarillo, CA 93010, U.S.A. [72401.3174@CompuServe.com]
0.30-m f/6.7 Helin Telescope + CCD
USNO-A2.0
1998 SG_{36}, 2, 2, 6; 1999 KW_4, 2, 1, 0; 2000 YT_{134}, 4, 2, 5; 2001 HY_7, 4, 1, 0; 2002 HU_{11}, 6, 2, 13; 2002 KH_3, 2, 1, 0; 2002 KL_6, 7, 4, 35; 2002 LV, 13, 5, 23; 2002 LB_6, 16, 6, 20; 2002 LS_{32}, 6, 2, 2; 2002 LY_{45}, 6, 3, 5; 2002 MC, 10, 5, 33; 2002 MQ_3, 4, 3, 15; 2002 MR_3, 4, 2, 3; 2002 NX, 16, 6, 30; 2002 NP_1, 9, 4, 18; 2002 NT_7, 6, 4, 15; 2002 NV_{16}, 18, 7, 26; 2002 NW_{16}, 8, 4, 18; 2002 NX_{18}, 9, 3, 6; 2002 NY_{40}, 12, 6, 21; 2002 ON_4, 7, 3, 10; 2002 OS_4, 6, 3, 13; 2002 PB, 5, 2, 3; 2002 PN, 5, 2, 2; 2002 PR_1, 8, 4, 8; 2002 PM_6, 10, 3, 6; 2002 PZ_{39}, 3, 1, 0; 2002 PO_{75}, 2, 1, 0; (5143), 2, 1, 0; (7822), 4, 2, 6; (25916), 1, 1, 0; *[217, 32, 0*, 2002/07/03–2002/08/13]*

671 Stony Ridge
J. E. Rogers, 441 Rowland Avenue, Camarillo, CA 93010, U.S.A. [72401.3174@compuserve.com]
Observers S. C. Brewster, S. Martin, P. Sable, J. E. Rogers
Measurer J. E. Rogers
0.76-m f/6 Newtonian reflector + focal reducer + CCD
USNO-A2.0
2000 CT_{101}, 2, 1, 0; 2002 EQ_9, 2, 1, 0; 2002 MT_1, 2, 1, 0; 2002 NN_4, 2, 1, 0; 2002 NT_7, 3, 1, 0; 2002 NV_{16}, 2, 1, 0; 2002 NW_{16}, 3, 1, 0; 2002 OD_{20}, 3, 1, 0; 2002 PP_6, 2, 1, 0; 2002 PC_{40}, 3, 1, 0; 2002 PW_{42}, 3, 1, 0; 2002 PD_{43}, 5, 2, 4; *[32, 12, 0*, 2002/07/14–2002/08/15]*

673 Table Mountain Observatory
W. M. Owen, Jr., Jet Propulsion Laboratory 301-150, 4800 Oak Grove Drive, Pasadena, CA 91109-8099, U.S.A. [wmo@wansor.jpl.nasa.gov] (1)
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M. Hicks, Jet Propulsion Laboratory, MS 183-501, 4800 Oak Grove Drive, Pasadena, CA 91109, U.S.A. [hicksm@scn1.jpl.nasa.gov] (4)
Observers A. M. Sullivan, C. A. Vasquez, C. A. Vazquez, G. R. Miller, M. Hicks, A. Halford, S. Stierwalt, F. Galvez, R. C. Dumas, W. M. Owen Jr, K. Kuluhiwa, P. Weissman, S. Lowry. M. Williams, C. Dwyer, A. Rivas, J. P. Sepikas, A. U. Tonomous
Measurers A. M. Sullivan, W. M. Owen Jr, C. A. Vazquez, C. Dwyer, M. Williams, R. C. Dumas
0.61-m f/16 reflector + CCD
Tycho-2 USNO-A2.0
{1} (2), 15, 6, 28; (25), 9, 4, 4; (59), 6, 2, 1; (65), 2, 1, 0; (68), 2, 1, 0; (69), 4, 2, 28; (72), 3, 1, 0; (110), 9, 4, 8; (114), 6, 3, 15; (119), 6, 2, 1; (145), 2, 1, 0; (185), 9, 4, 8; (194), 9, 3, 7; (201), 12, 4, 4; (216), 6, 3, 15; (268), 6, 2, 1; (301), 2, 1, 0; (302), 2, 1, 0; (312), 7, 3, 21; (322), 5, 2, 1; (329), 18, 8, 29; (487), 25, 10, 29; (521), 18, 8, 29; (554), 4, 2, 14; (571), 11, 4, 28; (585), 8, 3, 27; (589), 10, 4, 8; (657), 7, 3, 8; (688), 15, 6, 28; (702), 13, 5, 7; (747), 3, 1, 0; (754), 5, 2, 1; (790), 21, 9, 29; (909), 5, 2, 1; (1112), 6, 3, 18; (1262), 17, 7, 29; (1264), 2, 1, 0; (2557), 11, 5, 20; (3306), 2, 1, 0; (5535), 28, 7, 29; (6487), 10, 5, 20; *[361, 41, 0*, 2002/06/22–2002/07/21]*

{3} 2002 MG_3, 3, 1, 0; 2002 MW_3, 7, 2, 5; 2002 NK, 12, 2, 1; (7862), 4, 1, 0; *[26, 4, 0*, 2002/06/27–2002/07/04]*

{4} 2002 NR_2, 6, 2, 1; 2002 NN_4, 6, 1, 0; 2002 NJ_7, 3, 1, 0; 2002 PC_{11}, 3, 1, 0; 2002 PD_{11}, 3, 1, 0; 2002 PN_{34}, 3, 1, 0; 2002 PO_{34}, 3, 1, 0; 2002 PD_{130}, 3, 1, 0; *[30, 8, 0*, 2002/07/08–2002/08/17]*

675 Palomar
C. A. Trujillo, Division of Geological and Planetary Sciences, California Institute of Technology, MS 150-21, Pasadena, CA 91125 [chad@gps.caltech.edu] (1)
E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. [efh@alps.jpl.nasa.gov] (2)
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C. J. van Houten, Sterrewacht Leiden, Postbus 9513, NL-2300 RA Leiden, The Netherlands [vanhouten@rulhl1.leidenuniv.nl] (4)
E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [elgb@lowell.edu] (6)
J. Kavelaars, Dept. of Physics and Astronomy, McMaster University, Hamilton, ON L8S 4M1, Canada [kavelaars@physics.mcmaster.ca] (8)
9 = 6 + 3
Observers E. F. Helin, S. Pravdo, K. J. Lawrence, C. S. Shoemaker, E. M. Shoemaker, T. Gehrels, C. A. Trujillo
Measurers K. J. Lawrence, C. A. Trujillo, C. J. van Houten, I. van Houten-Groeneveld, A. Wisse, B. A. Skiff
0.46-m Schmidt, 1.2-m Schmidt, 1.5-m reflector
{1} 2002 AW_{197}, 44, 4, 56; 2002 JR_{146}, 3, 1, 0; 2002 KW_{14}, 4, 2, 1; 2002 KX_{14}, 3, 2, 1; 2002 KY_{14}, 3, 2, 1; *[57, 5, 0*, 2002/02/06–2002/06/14]*

{2} 2002 AW_{197} *, 3, 1, 0; 2002 JR_{146} *, 2, 1, 0; 2002 KW_{14} *, 3, 1, 0; 2002 KX_{14} *, 3, 1, 0; 2002 KY_{14} *, 3, 1, 0; *[14, 5, 5*, 2002/01/10–2002/05/19]*

{4} 2001 QK_{51}, 2, 1, 0; 2001 RF_{133}, 4, 2, 5; 2001 YU_{78}, 2, 1, 0; 2002 GV_{136}, 2, 1, 0; 2002 HZ_{16}, 5, 3, 5; 2002 NH_{18}, 1, 1, 0; *[16, 6, 0*, 1971/03/25–1973/10/05]*

{8} 2000 PV_{29}, 3, 1, 0; 2000 PH_{30}, 2, 1, 0; 2001 KY_{76}, 2, 1, 0; 2001 KN_{77}, 3, 1, 0; 2001 OK_{108}, 4, 2, 1; 2001 OZ_{108}, 2, 1, 0; 2002 ES_{134}, 3, 1, 0; 2002 FU_6, 4, 1, 0; 2002 FV_6, 4, 4, 5; 2002 FW_6, 3, 2, 5; 2002 GD_{32}, 3, 1, 0; *[33, 11, 0*, 2002/03/20–2002/06/08]*

{9} 2000 HQ_7, 2, 1, 0; 2002 JY_{129}, 1, 1, 0; 2002 LT_3, 1, 1, 0; *[4, 3, 0*, 1988/11/04–1990/09/28]*

678 Fountain Hills
C. W. Juels, P.O. Box 19960, Fountain Hills, AZ 85269, U.S.A. [cwjuels@fountainhillsobservatory.com]
Observers C. W. Juels, P. R. Holvorcem
Measurer C. W. Juels
0.37-m f/5.8 Newtonian + CCD
GSC-1.1
1999 XM_{102}, 4, 1, 0; 2000 CQ_{100}, 2, 1, 0; 2002 PD_{56}, 4, 1, 0; 2002 PA_{57}, 4, 1, 0; 2002 PS_{57}, 4, 1, 0; 2002 PJ_{58}, 4, 1, 0; 2002 PQ_{79} *, 2, 1, 0; 2002 PS_{79} *, 3, 1, 0; 2002 PP_{81}, 3, 1, 0; 2002 PQ_{86} *, 3, 1, 0; 2002 PR_{86} *, 2, 1, 0; *[35, 11, 4*, 2002/08/13]*

683 Goodricke-Pigott Observatory, Tucson
R. A. Tucker, 5500 West Nebraska Street, Tucson, AZ 85746, U.S.A. [tucker@noao.edu]
Observers R. Tucker, V. Reddy
3x(0.35-m f/5 reflector + CCD)
GSC-ACT
1981 EJ_2, 9, 3, 2; 1981 EE_7, 3, 1, 0; 1981 EJ_{13}, 6, 2, 2; 1994 RT_1, 3, 1, 0; 1997 EC, 9, 3, 2; 1998 JU_1, 2, 1, 0; 1998 QB_{13}, 3, 1, 0; 1998 QY_{42}, 3, 1, 0; 1998 QQ_{87}, 6, 2, 1; 1998 QS_{87}, 2, 1, 0; 1998 QJ_{98}, 3, 1, 0; 1998 RG_{16}, 3, 1, 0; 1998 RQ_{39}, 9, 3, 2; 1998 SR_{54}, 3, 1, 0; 1998 SC_{141}, 6, 2, 1; 1998 SP_{162}, 8, 3, 41; 1998 SR_{163}, 3, 1, 0; 1998 TU_{33}, 3, 1, 0; 1998 UB_{33}, 9, 3, 2; 1998 VK_1, 6, 2, 1; 1998 VX_{38}, 6, 2, 1; 1998 VW_{53}, 6, 2, 1; 1998 VM_{54}, 6, 2, 1; 1998 WN_{20}, 6, 2, 2; 1998 XC_{51}, 6, 2, 2; 1999 CU_{118}, 3, 1, 0; 1999 VX_2, 9, 3, 2; 1999 VF_{23}, 9, 3, 2; 1999 VZ_{23}, 6, 2, 2; 1999 VD_{68}, 9, 4, 3; 1999 VB_{123}, 5, 2, 39; 1999 WY_7, 5, 2, 2; 1999 XS_{21}, 6, 2, 1; 1999 XU_{49}, 6, 2, 1; 1999 XT_{64}, 6, 2, 1; 1999 XZ_{86}, 8, 3, 2; 1999 XF_{103}, 6, 2, 1; 1999 XX_{124}, 3, 1, 0; 1999 XG_{134}, 3, 1, 0; 1999 XE_{135}, 9, 3, 2; 1999 XL_{155}, 6, 2, 1; 1999 YZ_4, 9, 3, 2; 1999 YV_{22}, 3, 1, 0; 1999 YB_{23}, 6, 2, 1; 2000 AM, 5, 2, 1; 2000 AJ_{60}, 3, 1, 0; 2000 AZ_{115}, 3, 1, 0; 2000 AF_{125}, 9, 3, 2; 2000 AD_{180}, 6, 2, 1; 2000 CS_{33}, 3, 1, 0; 2000 CM_{60}, 3, 1, 0; 2000 CS_{103}, 12, 4, 40; 2000 EK_{20}, 8, 3, 41; 2000 EY_{84}, 2, 1, 0; 2000 EW_{89}, 9, 3, 2; 2000 EX_{91}, 5, 2, 1; 2000 EF_{148}, 3, 1, 0; 2000 GN_{58}, 2, 1, 0; 2000 GV_{139}, 3, 1, 0; 2000 JO_{72}, 6, 2, 1; 2000 WX_{29}, 5, 2, 1; 2000 WF_{49}, 5, 2, 1; 2000 YZ_{102}, 2, 1, 0; 2001 DK_{92}, 2, 1, 0; 2001 EP_{16}, 8, 3, 2; 2001 FA_{38}, 6, 2, 1; 2001 FZ_{45}, 3, 1, 0; 2001 FM_{78}, 3, 1, 0; 2001 FW_{97}, 2, 1, 0; 2001 FU_{107}, 6, 2, 1; 2001 HN_1, 12, 5, 41; 2001 HX_{10}, 3, 1, 0;

2001 HM_{22}, 3, 1, 0; 2001 KD_{18}, 8, 3, 41; 2001 KU_{26}, 3, 1, 0; 2001 KE_{29}, 6, 2, 1; 2001 RA_{145}, 2, 1, 0; 2001 SB_{346}, 2, 1, 0; 2001 SZ_{347}, 3, 1, 0; 2001 TZ_{227}, 3, 1, 0; 2001 TC_{238}, 3, 1, 0; 2001 UW_{183}, 3, 1, 0; 2001 UE_{184}, 3, 1, 0; 2001 YJ_4, 11, 4, 3; 2002 EG_{36}, 3, 1, 0; 2002 HU_{11}, 3, 1, 0; 2002 LH_5, 6, 2, 1; 2002 LV_6, 3, 1, 0; 2002 LE_{30}, 8, 3, 2; 2002 LP_{54}, 4, 2, 1; 2002 NT *, 5, 2, 1; 2002 NU *, 11, 4, 3; 2002 NC_2 *, 9, 3, 7; 2002 NP_2 *, 5, 2, 1; 2002 NQ_2 *, 5, 2, 1; 2002 NG_{26}, 3, 1, 0; 2002 NS_{27}, 3, 1, 0; 2002 NU_{27}, 6, 2, 1; 2002 NH_{31}, 3, 1, 0; 2002 NM_{33}, 6, 2, 1; 2002 NY_{37}, 8, 3, 2; 2002 NS_{51} *, 5, 2, 1; 2002 OO, 2, 1, 0; 2002 OH_6, 6, 2, 1; 2002 OA_7, 2, 1, 0; 2002 OE_7, 9, 3, 2; 2002 OV_{12}, 2, 1, 0; 2002 OV_{15}, 6, 2, 2; 2002 OQ_{18}, 6, 2, 2; 2002 PY_4, 7, 3, 2; 2002 PU_5, 6, 2, 1; 2002 PL_{37}, 6, 2, 1; 2002 PN_{47}, 6, 2, 1; 2002 PF_{55}, 3, 1, 0; 2002 PH_{57}, 3, 1, 0; 2002 PH_{58}, 5, 2, 2; 2002 PE_{60}, 5, 2, 1; 2002 PU_{60}, 3, 1, 0; 2002 PD_{61}, 3, 1, 0; 2002 PL_{61}, 6, 2, 1; 2002 PM_{61}, 9, 3, 2; 2002 PN_{61}, 8, 3, 2; 2002 PF_{74}, 6, 2, 1; 2002 PH_{74}, 3, 1, 0; 2002 PK_{74}, 3, 1, 0; 2002 PD_{75}, 3, 1, 0; 2002 PR_{105}, 6, 2, 1; 2002 PS_{105}, 3, 1, 0; 2002 PM_{115}, 3, 1, 0; (185), 11, 4, 3; (256), 9, 3, 2; (607), 6, 2, 1; (1102), 9, 3, 2; (1322), 6, 2, 1; (1359), 6, 2, 1; (1737), 9, 3, 2; (1760), 3, 1, 0; (1881), 15, 5, 41; (2413), 3, 1, 0; (2459), 3, 1, 0; (2775), 6, 2, 2; (3039), 5, 2, 2; (3044), 3, 1, 0; (4541), 6, 2, 2; (4674), 3, 1, 0; (4809), 6, 2, 1; (4962), 4, 2, 6; (5700), 6, 2, 1; (6003), 9, 3, 2; (6134), 3, 1, 0; (6567), 5, 2, 1; (6711), 8, 3, 2; (7176), 6, 2, 1; (7949), 9, 3, 2; (8855), 6, 2, 1; (9001), 6, 2, 1; (9140), 6, 2, 1; (9157), 9, 3, 2; (9323), 3, 1, 0; (9366), 5, 2, 1; (9537), 3, 1, 0; (9625), 8, 3, 40; (9827), 16, 6, 8; (9978), 2, 1, 0; (9996), 9, 3, 2; (10117), 6, 2, 1; (12351), 3, 1, 0; (12370), 3, 1, 0; (12474), 9, 3, 2; (12946), 3, 1, 0; (13047), 3, 1, 0; (13049), 3, 1, 0; (13142), 3, 1, 0; (13728), 6, 2, 1; (14134), 6, 2, 1; (15015), 5, 2, 1; (15422), 6, 2, 1; (15592), 3, 1, 0; (16961), 3, 1, 0; (18738), 6, 2, 1; (20231), 6, 2, 1; (21049), 6, 2, 1; (21404), 9, 3, 2; (21548), 3, 1, 0; (21559), 3, 1, 0; (21589), 14, 5, 41; (22028), 3, 1, 0; (22232), 5, 2, 1; (22481), 3, 1, 0; (22651), 2, 1, 0; (23166), 3, 1, 0; (23233), 9, 3, 2; (23613), 3, 1, 0; (23679), 9, 3, 2; (23817), 3, 1, 0; (24245), 9, 3, 2; (24557), 9, 3, 2; (24605), 9, 3, 2; (24754), 6, 2, 1; (24811), 9, 3, 2; (24865), 8, 3, 2; (24913), 9, 3, 2; (24960), 3, 1, 0; (25060), 5, 2, 3; (25315), 6, 2, 1; (25480), 5, 2, 1; (25846), 6, 2, 1; (25951), 6, 2, 1; (26014), 6, 2, 2; (26350), 9, 3, 2; (27049), 3, 1, 0; (27240), 3, 1, 0; (27594), 3, 1, 0; (39642), 2, 1, 0; (41185), 3, 1, 0; (42480), 5, 2, 1; (43560), 3, 1, 0; *[1169, 217, 6*, 2001/09/09–2002/08/15]*

684 Prescott

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0.46-m $f/4.5$ reflector + CCD

GSC

2000 AC_{148}, 2, 1, 0; *[2, 1, 0*, 2001/04/18]*

688 Lowell Observatory, Anderson Mesa Station

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K. Marshall, Dept. Of Physics and Astronomy, Georgia State University, Atlanta, GA 30303 [marshall@chara.gsu.edu] (8)

Observers R. L. Millis, L. H. Wasserman, B. A. Skiff, K. Marshall

Measurers L. H. Wasserman, M. W. Buie, B. A. Skiff, K. Marshall

1.8-m reflector + CCD, 0.75-m $f/16$ reflector + CCD

USNO-A2.0

{1} 2001 TK_{26}, 3, 1, 0; 2002 NC_1, 3, 1, 0; *[6, 2, 0*, 1998/01/07–1998/04/21]*

{5} 1999 NA_{15}, 2, 1, 0; 1999 TW_{141}, 2, 1, 0; 1999 TS_{155}, 2, 1, 0; 1999 VR_{88}, 2, 1, 0; 2001 FR_{194}, 2, 1, 0; *[10, 5, 0*, 2000/12/27–2001/03/25]*

{8} (39850), 3, 1, 0; *[3, 1, 0*, 2002/05/10]*

689 U.S. Naval Observatory, Flagstaff Station

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1.6-m reflector + CCD

Tycho (ICRF)

(3), 19, 19, 76; (4), 7, 7, 41; (8), 23, 23, 51; (9), 23, 23, 86; (11), 15, 14, 34; (12), 23, 23, 86; (16), 22, 22, 74; (17), 3, 3, 17; (19), 1, 1, 0; (21), 29, 28, 81; (22), 25, 25, 58; (23), 4, 4, 11; (24), 14, 14, 51; (27), 8, 8, 50; (28), 22, 21, 78; (30), 10, 10, 72; (31), 26, 26, 85; (32), 16, 16, 66; (33), 12, 12, 81; (36), 10, 10, 21; (38), 17, 17, 68; (39), 3, 3, 8; (40), 14, 14, 60; (41), 12, 12, 35; (47), 12, 12, 79; (48), 14, 14, 61; (49), 11, 11, 21; (50), 15, 15, 85; (53), 23, 23, 81; (55), 34, 34, 84; (56), 24, 23, 84; (57), 19, 19, 81; (58), 12, 12, 70; (59), 8, 8, 21; (60), 3, 3, 8; (61), 25, 23, 74; (63), 19, 19, 83; (64), 9, 9, 27; (66), 9, 9, 30; (71), 8, 8, 32; (73), 3, 3, 5; (76), 32, 32, 82; (79), 16, 16, 76; (80), 24, 24, 68; (81), 18, 18, 62; (84), 12, 12, 78; (85), 13, 13, 45; (87), 20, 18, 73; (88), 28, 26, 62; (89), 7, 7, 10; (90), 22, 22, 41; (91), 5, 5, 43; (92), 13, 13, 49; (93), 24, 24, 80; (96), 27, 27, 77; (99), 20, 20, 69; (100), 25, 25, 83; (102), 2, 2, 2; (105), 26, 26, 84; (106), 4, 4, 3; (107), 7, 7, 8; (108), 14, 14, 83; (111), 38, 38, 80; (112), 7, 7, 26; (113), 17, 15, 34; (115), 18, 18, 83; (116), 37, 37, 67; (117), 3, 3, 2; (118), 4, 4, 26; (120), 2, 2, 3; (122), 25, 25, 74; (123), 10, 10, 17; (124), 14, 14, 52; (125), 19, 19, 79; (127), 28, 28, 83; (128), 19, 19, 83; (131), 3, 3, 10; (134), 21, 21, 82; (135), 19, 19, 82; (136), 16, 16, 71; (139), 11, 11, 70; (140), 10, 10, 52; (141), 21, 21, 84; (142), 1, 1, 0; (147), 3, 3, 5; (148), 13, 13, 72; (149), 14, 14, 70; (150), 16, 16, 50; (151), 19, 19, 84; (153), 1, 1, 0; (154), 27, 27, 85; (156), 3, 3, 6; (158), 7, 7, 36; (159), 12, 12, 37; (160), 17, 17, 72; (162), 10, 10, 69; (164), 27, 27, 71; (165), 18, 18, 68; (166), 15, 15, 76; (168), 9, 9, 38; (169), 7, 7, 37; (172), 14, 14, 64; (173), 13, 13, 83; (174), 7, 7, 32; (175), 11, 11, 65; (178), 10, 10, 73; (179), 19, 19, 80; (182), 18, 18, 81; (184), 17, 17, 51; (188), 7, 7, 10; (189), 3, 3, 19; (192), 15, 15, 82; (194), 32, 32, 78; (198), 13, 13, 72; (199), 18, 18, 71; (205), 15, 15, 79; (207), 13, 13, 78; (210), 32, 32, 83; (211), 8, 8, 31; (212), 5, 5, 35; (213), 11, 11, 38; (214), 20, 20, 80; (216), 6, 6, 46; (219), 19, 19, 61; (220), 12, 12, 47; (221), 24, 24, 62; (222), 4, 4, 7; (223), 9, 9, 73; (224), 22, 21, 83; (226), 13, 13, 71; (227), 8, 8, 43; (228), 13, 13, 69; (230), 18, 18, 81; (235), 20, 20, 66; (237), 18, 18, 80; (238), 1, 1, 0; (242), 21, 21, 79; (243), 20, 20, 84; (251), 12, 12, 68; (254), 9, 9, 20; (257), 2, 2, 1; (259), 18, 18, 81; (261), 16, 16, 75; (262), 13, 13, 55; (263), 12, 12, 47; (266), 5, 5, 9; (267), 15, 15, 77; (273), 8, 8, 32; (275), 2, 2, 7; (276), 13, 13, 49; (278), 18, 18, 78; (280), 12, 12, 43; (283), 8, 8, 58; (285), 13, 13, 72; (286), 10, 10, 31; (289), 16, 16, 80; (291), 13, 12, 65; (292), 13, 13, 81; (296), 13, 13, 69; (297), 5, 5, 47; (299), 14, 14, 74; (300), 21, 21, 81; (303), 15, 15, 74; (304), 13, 13, 58; (306), 3, 3, 11; (311), 6, 6, 14; (316), 8, 8, 45; (318), 5, 5, 23; (320), 5, 5, 8; (321), 5, 5, 35; (323), 5, 5, 9; (324), 33, 33, 75; (325), 4, 4, 17; (327), 3, 3, 50; (328), 10, 10, 68; (331), 17, 17, 47; (332), 19, 19, 77; (334), 13, 13, 40; (335), 1, 1, 0; (336), 24, 24, 82; (341), 11, 11, 78; (343), 19, 19, 81; (344), 10, 10, 41; (346), 21, 21, 81; (348), 11, 11, 70; (353), 9, 9, 76; (355), 23, 23, 61; (359), 9, 9, 38; (360), 13, 13, 52; (361), 30, 30, 71; (363), 23, 23, 81; (364), 25, 25, 81; (367), 9, 9, 56; (370), 14, 14, 85; (372), 18, 18, 82; (373), 2, 2, 1; (374), 23, 23, 84; (375), 18, 18, 78; (376), 10, 10, 37; (377), 18, 18, 38; (378), 7, 7, 39; (379), 2, 2, 1; (381), 8, 8, 41; (384), 15, 15, 73; (386), 27, 27, 56; (387), 18, 18, 66; (388), 10, 10, 23; (390), 17, 17, 73; (391), 15, 15, 72; (393), 13, 13, 61; (394), 14, 14, 59; (395), 11, 11, 39; (397), 21, 21, 56; (399), 9, 9, 79; (403), 14, 14, 62; (404), 16, 16, 36; (405), 36, 36, 84; (406), 29, 29, 86; (411), 17, 17, 82; (412), 16, 16, 77; (413), 2, 2, 5; (414), 19, 19, 75; (416), 18, 18, 75; 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691 Kitt Peak, Steward Observatory-Spacewatch

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Observers T. Gehrels, J. V. Scotti, M. T. Read, A. F. Tubbiolo
Measurer Program IMPACT (v2.0)
0.91-m Spacewatch Telescope + CCD
USNO-SA2.0

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1.54-m reflector + CCD

USNO-A2.0

1998 FH_{12}, 3, 1, 0; 1999 GT_6, 3, 1, 0; 1999 HX_2, 3, 1, 0; 2000 HE_{46}, 3, 1, 0; *[12, 4, 0*, 1999/05/14–2000/12/05]*

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2.3-m Steward reflector + CCD

USNO-A2.0

{1} 1995 OO_7, 2, 1, 0; 1998 RU_{40}, 2, 1, 0; 1999 RV_{186}, 2, 1, 0; 1999 TP_{146}, 2, 1, 0; 1999 UM_{12}, 2, 1, 0; 2000 DL_{109}, 2, 1, 0; 2000 EU_{72}, 2, 1, 0; 2000 OM_{22}, 2, 1, 0; 2000 QQ_{21}, 2, 1, 0; 2000 QM_{210}, 2, 1, 0; 2000 SS_{65}, 2, 1, 0; 2000 SL_{106}, 2, 1, 0; 2000 SM_{109}, 2, 1, 0; 2000 SM_{208}, 2, 1, 0; 2000 SA_{258}, 2, 1, 0; 2000 SE_{308}, 2, 1, 0; 2000 TF_{58}, 2, 1, 0; 2000 UJ_{89}, 2, 1, 0; 2001 FH_{11}, 6, 2, 1; 2001 QC_{298}, 2, 1, 0; 2001 SA_{312}, 2, 1, 0; 2001 SL_{328}, 2, 1, 0; 2001 UJ_{186}, 2, 1, 0; 2001 UO_{208}, 2, 1, 0; 2001 WU_8, 2, 1, 0; 2001 WC_{72}, 2, 1, 0; 2002 BK_5, 2, 1, 0; 2002 CZ_{183}, 2, 1, 0; 2002 CE_{196}, 2, 1, 0; 2002 CV_{282}, 2, 1, 0; 2002 CH_{287}, 2, 1, 0; 2002 CZ_{291}, 2, 1, 0; 2002 CK_{293}, 2, 1, 0; 2002 CQ_{300}, 2, 1, 0; 2002 CE_{306} *, 4, 2, 2; 2002 CF_{306} *, 4, 2, 2; 2002 CG_{306} *, 4, 2, 2; 2002 CH_{306} *, 4, 2, 2; 2002 CJ_{306} *, 4, 2, 2; 2002 CS_{309}, 2, 1, 0; 2002 EC_{23}, 2, 1, 0; 2002 EE_{32}, 2, 1, 0; 2002 EY_{38}, 2, 1, 0; 2002 EA_{77}, 2, 1, 0; 2002 EB_{103}, 2, 1, 0; 2002 EH_{109}, 2, 1, 0; 2002 EO_{120}, 2, 1, 0; 2002 EY_{120}, 2, 1, 0; 2002 EV_{124}, 2, 1, 0; 2002 ET_{139}, 2, 1, 0; 2002 EG_{145}, 2, 1, 0; 2002 FH_{11}, 2, 1, 0; 2002 FM_{18}, 2, 1, 0; 2002 FD_{31}, 2, 1, 0; 2002 FV_{31}, 2, 1, 0; 2002 GN_{27}, 2, 1, 0; 2002 GQ_{28}, 2, 1, 0; 2002 JB_{129}, 2, 1, 0; 2002 LG_{23}, 2, 1, 0; 2002 NG_{28}, 2, 1, 0; *[134, 60, 5*, 2000/02/05–2002/03/20]*

{3} 1995 BS_{14}, 5, 1, 0; 2001 UU_{198}, 2, 1, 0; 2001 WU_{22}, 4, 1, 0; 2002 CG_{294}, 3, 1, 0; *[14, 4, 0*, 2000/12/20–2001/12/17]*

{8} 1999 OX_3, 2, 1, 0; 1999 OE_4, 3, 1, 0; 1999 OF_4, 3, 1, 0; 2000 KK_4, 2, 1, 0; 2000 OY_{51}, 6, 2, 1; 2000 OU_{69}, 2, 1, 0; 2000 PE_{30}, 2, 1, 0; 2000 PK_{30}, 2, 1, 0; 2000 PM_{30}, 3, 1, 0; 2001 KH_{76}, 7, 3, 21; 2001 KJ_{76}, 3, 1, 0; 2001 KY_{76}, 2, 1, 0; 2001 KN_{77}, 2, 1, 0; 2001 KP_{77}, 3, 1, 0; 2001 KQ_{77}, 3, 1, 0; 2001 OG_{109}, 3, 1, 0; 2002 GZ_{31}, 2, 2, 2; 2002 GA_{32}, 5, 2, 1; 2002 GD_{32}, 3, 2, 1; 2002 GU_{32}, 2, 1, 0; 2002 GX_{32}, 2, 1, 0; *[62, 21, 0*, 2002/06/15–2002/07/07]*

{9} 1999 NB_5, 4, 1, 0; 1999 OX_3, 3, 2, 1; *[7, 2, 0*, 2002/07/12–2002/07/13]*

696 F. L. Whipple Observatory, Mount Hopkins

C. W. Hergenrother, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [chergen@pirl.lpl.arizona.edu]

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

1.2-m $f/8$ reflector + CCD

1994 PQ_1, 3, 1, 0; 2000 EV_5, 2, 1, 0; 2001 CR_4, 3, 1, 0; 2002 NG_{34}, 2, 1, 0; *[10, 4, 0*, 1997/03/30–1999/02/16]*

698 Mt. Bigelow

P. Weissman, Jet Propulsion Laboratory, MS 183-601, 4800 Oak Grove Dr, Pasadena, CA 91109, U.S.A. [pweissman@lively.jpl.nasa.gov]

Observers P. Weissman, S. Lowry
Measurer C.Dwyer
1.5-m reflector + CCD
USNO-A2.0
(140), 47, 1, 0; (4979), 41, 1, 0; *[88, 2, 0∗, 2001/12/14]*

699 Lowell Observatory–LONEOS
E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff AZ 86001, U.S.A. [elgb@lowell.edu]
Observers B. A. Skiff, M. E. Van Ness, W. D. Ferris, S. M. Hermann, B. W. Koehn, P. Kelleher, J. L. Palguta
Measurers B. A. Skiff, M. E. Van Ness, W. Kelly, B. W. Koehn, J. L. Palguta
0.59-m LONEOS Schmidt + CCD
USNO-A2.0

1951 QD, 4, 1, 0; 1974 PA, 3, 1, 0; 1977 RD, 3, 1, 0; 1978 UX_4, 3, 1, 0; 1978 UC_6, 3, 1, 0; 1978 VT_3, 9, 3, 72; 1978 VB_4, 4, 1, 0; 1978 VW_5, 4, 1, 0; 1979 MA_3, 3, 1, 0; 1979 MK_4, 9, 3, 15; 1979 MM_7, 4, 1, 0; 1979 QH_2, 3, 1, 0; 1981 EJ_2, 4, 1, 0; 1981 EE_7, 4, 1, 0; 1981 EP_7, 3, 1, 0; 1981 ES_{10}, 3, 1, 0; 1981 EX_{12}, 3, 1, 0; 1981 EJ_{13}, 4, 1, 0; 1981 EN_{13}, 4, 1, 0; 1981 EK_{16}, 6, 2, 2; 1981 EU_{16}, 3, 1, 0; 1981 EX_{17}, 3, 1, 0; 1981 EN_{19}, 3, 1, 0; 1981 EK_{21}, 3, 1, 0; 1981 EN_{22}, 4, 1, 0; 1981 EH_{27}, 3, 1, 0; 1981 EG_{29}, 3, 1, 0; 1981 EA_{31}, 3, 1, 0; 1981 ET_{33}, 3, 1, 0; 1981 EC_{35}, 3, 1, 0; 1981 EM_{38}, 3, 1, 0; 1981 ED_{41}, 3, 1, 0; 1981 EH_{45}, 4, 1, 0; 1981 EJ_{45}, 3, 1, 0; 1982 US_5, 3, 1, 0; 1982 VL_4, 3, 1, 0; 1983 LD, 4, 1, 0; 1983 RJ_1, 4, 1, 0; 1984 DB_1, 4, 1, 0; 1984 SL_5, 15, 5, 81; 1986 EP_2, 3, 1, 0; 1986 QN_1, 3, 1, 0; 1986 QD_3, 6, 2, 15; 1986 RU, 3, 1, 0; 1986 TS_4, 3, 1, 0; 1986 WC_1, 3, 1, 0; 1987 DL_6, 4, 1, 0; 1987 KF_1, 12, 3, 13; 1987 RU, 3, 1, 0; 1988 BM_2, 3, 1, 0; 1988 CQ_1, 3, 1, 0; 1988 CF_4, 3, 1, 0; 1988 CP_5, 3, 1, 0; 1988 CH_7, 6, 2, 2; 1988 EX_1, 6, 2, 1; 1988 PE_4, 3, 1, 0; 1988 RO_5, 3, 1, 0; 1988 RF_6, 3, 1, 0; 1988 RJ_6, 3, 1, 0; 1988 RY_{12}, 4, 1, 0; 1988 SL_2, 3, 1, 0; 1988 VM_5, 4, 1, 0; 1989 AJ, 6, 2, 3; 1989 CO_2, 4, 1, 0; 1989 GP_2, 6, 2, 2; 1989 GE_3, 3, 1, 0; 1989 SY_3, 3, 1, 0; 1989 SX_4, 4, 1, 0; 1989 SZ_{13}, 8, 2, 5; 1989 VK, 3, 1, 0; 1990 HQ_5, 3, 1, 0; 1990 QM_3, 6, 2, 12; 1990 RJ_7, 3, 1, 0; 1990 RW_{14}, 4, 1, 0; 1990 SV, 4, 1, 0; 1990 SS_{10}, 6, 2, 11; 1990 TK_2, 3, 1, 0; 1990 TY_3, 3, 1, 0; 1990 TB_6, 3, 1, 0; 1990 UC_2, 3, 1, 0; 1990 VK_4, 4, 1, 0; 1990 VO_8, 4, 1, 0; 1991 AS_1, 4, 1, 0; 1991 AF_2, 4, 1, 0; 1991 GU_6, 3, 1, 0; 1991 GP_8, 9, 3, 20; 1991 NE_3, 3, 1, 0; 1991 PB_3, 4, 1, 0; 1991 PU_9, 4, 1, 0; 1991 PZ_{10}, 4, 1, 0; 1991 RQ_3, 3, 1, 0; 1991 RY_3, 3, 1, 0; 1991 RS_{20}, 6, 2, 14; 1991 RJ_{29}, 3, 1, 0; 1991 TB, 4, 1, 0; 1991 TQ_1, 3, 1, 0; 1991 TQ_2, 4, 1, 0; 1991 TT_6, 3, 1, 0; 1991 TK_8, 4, 1, 0; 1991 YK_1, 3, 1, 0; 1992 AW_2, 3, 1, 0; 1992 BK_4, 8, 1, 0; 1992 DR_7, 3, 1, 0; 1992 DG_{12}, 3, 1, 0; 1992 EH_2, 3, 1, 0; 1992 EE_5, 3, 1, 0; 1992 EH_5, 3, 1, 0; 1992 EC_9, 3, 1, 0; 1992 EF_{14}, 3, 1, 0; 1992 ED_{21}, 3, 1, 0; 1992 GH_4, 3, 1, 0; 1992 HG_5, 4, 1, 0; 1992 PD_1, 3, 1, 0; 1992 PL_1, 3, 1, 0; 1992 PP_1, 4, 1, 0; 1992 PT_1, 4, 1, 0; 1992 RO_2, 3, 1, 0; 1992 RP_5, 4, 1, 0; 1992 SJ_{17}, 3, 1, 0; 1992 SV_{24}, 3, 1, 0; 1992 UZ_7, 6, 2, 1; 1992 WG, 3, 1, 0; 1992 WS_1, 3, 1, 0; 1992 WZ_2, 3, 1, 0; 1992 YP_3, 6, 2, 21; 1992 YB_4, 4, 1, 0; 1993 FB_5, 3, 1, 0; 1993 FY_6, 3, 1, 0; 1993 FO_{10}, 4, 1, 0; 1993 FS_{11}, 4, 1, 0; 1993 FU_{18}, 3, 1, 0; 1993 FL_{25}, 3, 1, 0; 1993 FL_{26}, 3, 1, 0; 1993 FC_{30}, 3, 1, 0; 1993 FF_{34}, 3, 1, 0; 1993 FX_{45}, 3, 1, 0; 1993 FY_{50}, 3, 1, 0; 1993 FF_{54}, 3, 1, 0; 1993 FC_{81}, 12, 3, 505; 1993 JQ, 4, 1, 0; 1993 OX_5, 6, 2, 2; 1993 OS_7, 3, 1, 0; 1993 OS_9, 3, 1, 0; 1993 PP, 3, 1, 0; 1993 PC_6, 3, 1, 0; 1993 PX_6, 3, 1, 0; 1993 QM_4, 3, 1, 0; 1993 QQ_5, 4, 1, 0; 1993 RA_2, 4, 1, 0; 1993 RD_4, 3, 1, 0; 1993 RH_5, 3, 1, 0; 1993 RT_7, 3, 1, 0; 1993 SA_2, 3, 1, 0; 1993 SS_4, 3, 1, 0; 1993 SB_{14}, 4, 1, 0; 1993 TL_1, 3, 1, 0; 1993 TF_{18}, 3, 1, 0; 1993 TY_{19}, 3, 1, 0; 1993 TT_{22}, 3, 1, 0; 1993 TP_{25}, 4, 1, 0; 1993 TU_{27}, 3, 1, 0; 1993 TO_{31}, 3, 1, 0; 1993 TT_{32}, 7, 2, 916; 1993 TJ_{34}, 6, 2, 61; 1993 UW_5, 3, 1, 0; 1993 VP_2, 4, 1, 0; 1993 YT, 3, 1, 0; 1994 AT, 4, 1, 0; 1994 AN_{15}, 8, 2, 7; 1994 BD_1, 4, 1, 0; 1994 BF_4, 3, 1, 0; 1994 CM_1, 3, 1, 0; 1994 CN_{15}, 6, 2, 16; 1994 CQ_{15}, 3, 1, 0; 1994 CH_{17}, 3, 1, 0; 1994 CT_{17}, 3, 1, 0; 1994 CB_{18}, 6, 2, 11; 1994 EC_7, 4, 1, 0; 1994 ED_7, 3, 1, 0; 1994 GC_3, 6, 2, 15; 1994 GM_3, 6, 2, 46; 1994 HB_1, 3, 1, 0; 1994 JG_6, 3, 1, 0; 1994 PH_9, 4, 1, 0; 1994 PU_9, 4, 1, 0; 1994 PX_9, 4, 1, 0; 1994 PE_{16}, 8, 2, 7; 1994 PZ_{18}, 4, 1, 0; 1994 PT_{20}, 4, 1, 0; 1994 PP_{22}, 3, 1, 0; 1994 PL_{23}, 4, 1, 0; 1994 PB_{24}, 4, 1, 0; 1994 PG_{24}, 4, 1, 0; 1994 PL_{35}, 4, 1, 0; 1994 PS_{38}, 4, 1, 0; 1994 PW_{38}, 4, 1, 0; 1994 RL_{10}, 3, 1, 0; 1994 SA_{11}, 4, 1, 0; 1994 TQ_{10}, 4, 1, 0; 1994 UL_1, 3, 1, 0; 1994 UU_6, 3, 1, 0; 1994 UL_9, 8, 2, 5; 1994 UN_{11}, 4, 1, 0; 1994 VK_7, 3, 1, 0; 1994 WN, 3, 1, 0; 1994 WT_3, 8, 2, 5; 1994 WJ_{12}, 4, 1, 0; 1994 YP_1, 3, 1, 0; 1994 YU_2, 3, 1, 0; 1995 BE_1, 4, 1, 0; 1995 BP_{11}, 8, 2, 7; 1995 DH_1, 4, 1, 0; 1995 DP_2, 3, 1, 0; 1995 DO_5, 3, 1, 0; 1995 DA_8, 3, 1, 0; 1995 DG_{11}, 3, 1, 0; 1995 DA_{13}, 6, 2, 14; 1995 EM_1, 3, 1, 0; 1995 EZ_4, 6, 2, 2; 1995 EH_5, 3, 1, 0; 1995 EF_6, 3, 1, 0; 1995 FK_7, 3, 1, 0; 1995 FZ_7, 3, 1, 0; 1995 FM_{11}, 3, 1, 0; 1995 FH_{19}, 3, 1, 0; 1995 GN_4, 12, 3, 542; 1995 GS_5, 3, 1, 0; 1995 GA_8, 3, 1, 0; 1995 OS_4, 3, 1, 0; 1995 OO_7, 4, 1, 0; 1995 QT_3, 4, 1, 0; 1995 SQ_1, 4, 1, 0; 1995 SN_4, 4, 1, 0; 1995 SV_{26}, 4, 1, 0; 1995 ST_{32}, 3, 1, 0; 1995 SD_{33}, 3, 1, 0; 1995 SW_{34}, 3, 1, 0; 1995 SE_{44}, 3, 1, 0; 1995 TP, 4, 1, 0; 1995 UR_8, 3, 1, 0; 1995 UR_9, 4, 1, 0; 1995 UX_{14}, 3, 1, 0; 1995 VX_4, 4, 1, 0; 1995 VE_6, 4, 1, 0; 1995 VU_{11}, 3, 1, 0; 1995 VJ_{16}, 3, 1, 0; 1995 WO, 4, 1, 0; 1995 WK_4, 4, 1, 0; 1995 WY_7, 4, 1, 0; 1995 WO_{17}, 4, 1, 0; 1995 WL_{25}, 11, 3, 971; 1995 WZ_{31}, 4, 1, 0; 1995 YH_{12}, 4, 1, 0; 1996 AE_{13}, 4, 1, 0; 1996 AJ_{14}, 3, 1, 0; 1996 BS_9, 4, 1, 0; 1996 BM_{17}, 4, 1, 0; 1996 CP_1, 4, 1, 0; 1996 CE_5, 4, 1, 0; 1996 DV_1, 8, 2, 7; 1996 EK_{10}, 4, 1, 0; 1996 FH, 3, 1, 0; 1996 GZ_8, 3, 1, 0; 1996 JB_5, 6, 2, 21; 1996 JX_{14}, 3, 1, 0; 1996 KA_2, 6, 2, 16; 1996 LK, 4, 1, 0; 1996 LB_3, 3, 1, 0; 1996 LR_3, 3, 1, 0; 1996 PN, 3, 1, 0; 1996 PU, 3, 1, 0; 1996 PD_1, 3, 1, 0; 1996 PF_4, 6, 2, 2; 1996 PR_9, 9, 3, 30; 1996 RX_9, 3, 1, 0; 1996 RE_{17}, 3, 1, 0; 1996 SC_1, 3, 1, 0; 1996 SF_6, 3, 1, 0; 1996 TC, 6, 2, 2; 1996 TF, 8, 2, 7; 1996 TW_3, 3, 1, 0; 1996 TP_8, 3, 1, 0; 1996 TM_{11}, 3, 1, 0; 1996 TC_{33}, 3, 1, 0; 1996 TH_{51}, 6, 2, 16; 1996 TT_{53}, 6, 2, 5; 1996 TW_{59}, 3, 1, 0; 1996 UJ_2, 6, 2, 20; 1996 VB, 3, 1, 0; 1996 VU_4, 3, 1, 0; 1996 VV_4, 3, 1, 0; 1996 VW_9, 3, 1, 0; 1996 VC_{11}, 3, 1, 0; 1996 VU_{15}, 3, 1, 0; 1996 VG_{35}, 4, 1, 0; 1996 XQ_3, 3, 1, 0; 1996 XW_{24}, 4, 1, 0; 1996 XW_{27}, 3, 1, 0; 1996 YP, 4, 1, 0; 1996 YV, 4, 1, 0; 1997 AV, 4, 1, 0; 1997 AN_5, 4, 1, 0; 1997 AU_{12}, 4, 1, 0; 1997 AY_{17}, 3, 1, 0; 1997 AP_{18}, 4, 1, 0; 1997 AA_{21}, 3, 1, 0; 1997 BT_2, 3, 1, 0; 1997 BS_4, 6, 2, 23; 1997 BC_5, 4, 1, 0; 1997 CD_7, 4, 1, 0; 1997 CY_9, 4, 1, 0; 1997 CF_{26}, 3, 1, 0; 1997 CL_{26}, 4, 1, 0; 1997 CE_{27}, 8, 1, 0; 1997 CK_{27}, 4, 1, 0; 1997 EX_7, 3, 1, 0; 1997 EF_{23}, 4, 1, 0; 1997 EE_{37}, 4, 1, 0; 1997 EN_{39}, 4, 1, 0; 1997 EM_{47}, 3, 1, 0; 1997 GV_3, 4, 1, 0; 1997 GB_4, 4, 1, 0; 1997 GM_6, 4, 1, 0; 1997 GU_6, 4, 1, 0; 1997 GB_7, 4, 1, 0; 1997 GQ_{14}, 4, 1, 0; 1997 GR_{20}, 4, 1, 0; 1997 HF_9, 8, 2, 5; 1997 HJ_{10}, 3, 1, 0; 1997 HM_{11}, 4, 1, 0; 1997 OK, 4, 1, 0; 1997 PF_1, 3, 1, 0; 1997 PY_5, 3, 1, 0; 1997 QV_2, 3, 1, 0; 1997 QC_3, 6, 2, 12; 1997 QW_3, 4, 1, 0; 1997 RK_9, 3, 1, 0; 1997 SR, 4, 1, 0; 1997 SV, 6, 2, 1; 1997 SX, 3, 1, 0; 1997 SF_1, 4, 1, 0; 1997 SZ_2, 4, 1, 0; 1997 SB_3, 6, 2, 2; 1997 SF_3, 6, 2, 37; 1997 SS_3, 3, 1, 0; 1997 SY_3, 8, 2, 7; 1997 SU_7, 3, 1, 0; 1997 SV_{12}, 4, 1, 0; 1997 SS_{13}, 3, 1, 0; 1997 SE_{15}, 8, 2, 5; 1997 SQ_{18}, 6, 2, 14; 1997 SA_{22}, 3, 1, 0; 1997 SG_{23}, 6, 2, 12; 1997 SJ_{29}, 4, 1, 0; 1997 SX_{30}, 3, 1, 0; 1997 SH_{31}, 3, 1, 0; 1997 SJ_{31}, 4, 1, 0; 1997 SK_{31}, 6, 2, 11; 1997 SR_{32}, 6, 2, 2; 1997 SC_{34}, 3, 1, 0; 1997 SB_{35}, 8, 1, 0; 1997 TD_2, 3, 1, 0; 1997 TD_{10}, 6, 2, 23; 1997 TK_{11}, 3, 1, 0; 1997 TD_{16}, 4, 1, 0; 1997 TX_{16}, 3, 1, 0; 1997 TF_{17}, 3, 1, 0; 1997 TA_{25}, 4, 1, 0; 1997 TN_{25}, 3, 1, 0; 1997 TB_{26}, 4, 1, 0; 1997 TD_{26}, 3, 1, 0; 1997 TA_{27}, 3, 1, 0; 1997 UC_1, 3, 1, 0; 1997 UZ_1, 3, 1, 0; 1997 UD_5, 3, 1, 0; 1997 UK_8, 3, 1, 0; 1997 UU_8, 3, 1, 0; 1997 UH_{11}, 3, 1, 0; 1997 UY_{13}, 3, 1, 0; 1997 UN_{20}, 3, 1, 0; 1997 UB_{21}, 6, 2, 37; 1997 UD_{21}, 4, 1, 0; 1997 UU_{21}, 3, 1, 0; 1997 UF_{22}, 3, 1, 0; 1997 UL_{22}, 3, 1, 0; 1997 VZ_1, 3, 1, 0; 1997 VE_2, 3, 1, 0; 1997 VK_3, 3, 1, 0; 1997 VF_5, 3, 1, 0; 1997 VQ_6, 4, 1, 0; 1997 VB_7, 3, 1, 0; 1997 WJ_1, 3, 1, 0; 1997 WT_1, 3, 1, 0; 1997 WE_2, 3, 1, 0; 1997 WA_3, 6, 2, 16; 1997 WO_3, 6, 2, 38; 1997 WP_3, 6, 2, 15; 1997 WL_8, 3, 1, 0; 1997 WG_9, 3, 1, 0; 1997 WD_{10}, 3, 1, 0; 1997 WT_{14}, 3, 1, 0; 1997 WC_{21}, 3, 1, 0; 1997 WQ_{28}, 3, 1, 0; 1997 WC_{32}, 3, 1, 0; 1997 WT_{33}, 3, 1, 0; 1997 WW_{33}, 3, 1, 0; 1997 WK_{35}, 6, 2, 16; 1997 WD_{36}, 3, 1, 0; 1997 WE_{36}, 4, 1, 0; 1997 WO_{39}, 3, 1, 0; 1997 WS_{39}, 6, 2, 15; 1997 WU_{39}, 3, 1, 0; 1997 WB_{43}, 3, 1, 0; 1997 WO_{46}, 3, 1, 0; 1997 WK_{47}, 4, 1, 0; 1997 WQ_{54}, 6, 2, 33; 1997 XF_3, 6, 2, 15; 1997 XG_{10}, 4, 1, 0; 1997 XY_{11}, 3, 1, 0; 1997 YC, 3, 1, 0; 1997 YD_4, 3, 1, 0; 1997 YQ_8, 4, 1, 0; 1997 YR_8, 3, 1, 0; 1998 AD, 3, 1, 0; 1998 BJ_3, 6, 2, 24; 1998 BC_8, 3, 1, 0; 1998 BN_8, 3, 1, 0; 1998 BU_9, 4, 1, 0; 1998 BQ_{11}, 3, 1, 0; 1998 BG_{17}, 6, 2, 28; 1998 BB_{19}, 3, 1, 0; 1998 BW_{26}, 6, 2, 2; 1998 BO_{41}, 3, 1, 0; 1998 BH_{44}, 3, 1, 0; 1998 CM_1, 3, 1, 0; 1998 CO_2, 3, 1, 0; 1998 DB, 3, 1, 0; 1998 DH_5, 3, 1, 0; 1998 DM_6, 10, 3, 1048; 1998 DU_6, 3, 1, 0; 1998 DF_8, 3, 1, 0; 1998 DX_8, 3, 1, 0; 1998 DE_{16}, 3, 1, 0; 1998 DE_{18}, 4, 1, 0; 1998 DC_{30}, 3, 1, 0; 1998 DM_{33}, 3, 1, 0; 1998 DA_{35}, 3, 1, 0; 1998 DN_{35}, 6, 2, 18; 1998 FP, 3, 1, 0; 1998 FQ, 3, 1, 0; 1998 FK_1, 3, 1, 0; 1998 FX_7, 4, 1, 0; 1998 FK_{11}, 3, 1, 0; 1998 FU_{11}, 3, 1, 0; 1998 FP_{13}, 4, 1, 0; 1998 FA_{16}, 4, 1, 0; 1998 FH_{39}, 4, 1, 0; 1998 FW_{39}, 4, 1, 0; 1998 FA_{40}, 4, 1, 0; 1998 FC_{42}, 3, 1, 0; 1998 FP_{43}, 4, 1, 0; 1998 FW_{45}, 6, 2, 46; 1998 FK_{47}, 3, 1, 0; 1998 FC_{55}, 4, 1, 0; 1998 FG_{58}, 3, 1, 0; 1998 FG_{61}, 8, 2, 3; 1998 FS_{62}, 3, 1, 0; 1998 FR_{65}, 4, 1, 0; 1998 FB_{66}, 3, 1, 0; 1998 FB_{70}, 4, 1, 0; 1998 FC_{71}, 4, 1, 0; 1998 FH_{75}, 4, 1, 0; 1998 FV_{83}, 3, 1, 0; 1998 FT_{101}, 3, 1, 0; 1998 FE_{106}, 3, 1, 0; 1998 FJ_{106}, 4, 1, 0; 1998 FS_{113}, 4, 1, 0; 1998 FB_{117}, 4, 1, 0; 1998 FT_{121}, 4, 1, 0; 1998 FK_{122}, 4, 1, 0; 1998 FY_{129}, 4, 1, 0; 1998 GO_1, 4, 1, 0; 1998 GV_2, 4, 1, 0; 1998 HC_1, 3, 1, 0; 1998 HC_5, 3, 1, 0; 1998 HY_5, 7, 2, 1096; 1998 HD_8, 3, 1, 0; 1998 HP_{10}, 4, 1, 0; 1998 HQ_{17}, 3, 1, 0; 1998 HR_{19}, 3, 1, 0; 1998 HN_{21}, 7, 2, 1068; 1998 HR_{27}, 6, 2, 23; 1998 HE_{38}, 4, 1, 0; 1998 HD_{42}, 4, 1, 0; 1998 HA_{43}, 3, 1, 0; 1998 HC_{50}, 4, 1, 0; 1998 HF_{51}, 3, 1, 0; 1998 HO_{51}, 4, 1, 0; 1998 HP_{57}, 3, 1, 0; 1998 HQ_{63}, 3, 1, 0; 1998 HS_{69}, 3, 1, 0; 1998 HB_{80}, 3, 1, 0; 1998 HL_{80}, 4, 1, 0; 1998 HJ_{81}, 3, 1, 0; 1998 HW_{84}, 3, 1, 0; 1998 HK_{93}, 4, 1, 0; 1998 HF_{98}, 4, 1, 0; 1998 HK_{98}, 4, 1, 0; 1998 HU_{99}, 3, 1, 0; 1998 HZ_{107}, 4, 1, 0; 1998 HC_{108}, 4, 1, 0; 1998 HP_{110}, 3, 1, 0; 1998 HV_{110}, 3, 1, 0; 1998 HX_{114}, 3, 1, 0; 1998 HW_{120}, 3, 1, 0; 1998 HZ_{122}, 3, 1, 0; 1998 HJ_{124}, 4, 1, 0; 1998 HV_{130}, 3, 1, 0; 1998 HA_{137}, 3, 1, 0; 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701 Junk Bond Observatory, Sierra Vista

D. Healy, Junk Bond Observatory, 6929 Madera Dr, Sierra Vista, AZ 85635, U.S.A. [76443.1440@compuserve.com]

0.40-m $f/5$ Schmidt-Cassegrain + CCD

GSC-ACT

1999 XE_{82}, 3, 1, 0; 2002 JY_{122}, 3, 1, 0; *[6, 2, 0*, 2001/02/19–2001/03/30]*

703 Catalina Sky Survey

S. M. Larson, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [slarson@lpl.arizona.edu]

Observers C. W. Hergenrother, R. E. Hill, R. J. Whiteley

0.41-m $f/3$ Schmidt + CCD

USNO-SA2.0

1978 UC_6, 4, 1, 0; 1993 FW_{69}, 4, 1, 0; 1998 KT_{30}, 4, 1, 0; 1998 QV_{97}, 3, 1, 0; 1998 SG_{125}, 4, 1, 0; 1998 SG_{171}, 8, 2, 1; 1998 VD_{11}, 4, 1, 0; 1999 JH_{105}, 4, 1, 0; 1999 JO_{138}, 4, 1, 0; 1999 JP_{138}, 4, 1, 0; 1999 NV_{33}, 4, 1, 0; 1999 RO_{222}, 4, 1, 0; 1999 TE_{93}, 4, 1, 0; 1999 TG_{97}, 4, 1, 0; 1999 TQ_{173}, 4, 1, 0; 1999 TK_{208}, 4, 1, 0; 1999 TB_{209}, 4, 1, 0; 2000 CD_{147}, 4, 1, 0; 2000 RS_{94}, 4, 1, 0; 2000 UN_{24}, 4, 1, 0; 2000 VM_{13}, 4, 1, 0; 2000 WX_{160}, 4, 1, 0; 2000 YM_{77}, 4, 1, 0; 2001 AJ_{34}, 4, 1, 0; 2001 AJ_{35}, 4, 1, 0; 2001 BC_{30}, 4, 1, 0; 2001 BN_{76}, 4, 1, 0; 2001 FL_6, 4, 1, 0; 2001 FD_{44}, 4, 1, 0; 2001 FX_{61}, 3, 1, 0; 2001 LA_4, 4, 1, 0; 2001 PE_{50}, 4, 1, 0; 2001 QF_{212}, 4, 1, 0; 2001 QR_{279}, 4, 1, 0; 2001 TK_{222}, 4, 1, 0; 2001 XM_{70}, 4, 1, 0; 2001 YH_{125}, 4, 1, 0; 2002 AP_{70}, 4, 1, 0; 2002 CU_{230}, 4, 1, 0; 2002 ET_{32}, 4, 1, 0; 2002 EE_{119}, 4, 1, 0; 2002 EK_{130}, 4, 1, 0; 2002 EX_{152}, 4, 1, 0; 2002 FT_{35}, 4, 1, 0; 2002 GF_{81}, 4, 1, 0; 2002 GR_{85}, 4, 1, 0; 2002 GF_{88}, 4, 1, 0; 2002 GM_{164}, 4, 1, 0; 2002 HO_3, 4, 1, 0; 2002 JT_{59}, 4, 1, 0; 2002 JZ_{99}, 4, 1, 0; 2002 JP_{128}, 4, 1, 0; 2002 JT_{129}, 4, 1, 0; 2002 JW_{142}, 4, 1, 0; 2002 KN_9, 3, 1, 0; 2002 KX_9, 4, 1, 0; 2002 LC_{13}, 4, 1, 0; 2002 LR_{13}, 4, 1, 0; 2002 LB_{16}, 4, 1, 0; 2002 LB_{26}, 4, 1, 0; 2002 LM_{29}, 4, 1, 0; 2002 LC_{39}, 4, 1, 0; 2002 LN_{39}, 4, 1, 0; 2002 LJ_{46}, 4, 1, 0; 2002 LV_{54}, 4, 1, 0; 2002 MD, 4, 1, 0; 2002 MT_2, 4, 1, 0; 2002 NP_{15}, 4, 1, 0; 2002 NH_{18}, 4, 1, 0; 2002 NU_{18}, 4, 1, 0; 2002 NK_{19}, 4, 1, 0; 2002 NY_{19}, 4, 1, 0; 2002 NA_{24}, 4, 1, 0; 2002 NO_{32}, 4, 1, 0; 2002 NH_{33}, 4, 1, 0; 2002 NJ_{34}, 4, 1, 0; 2002 NN_{47}, 4, 1, 0; 2002 NP_{55}, 4, 1, 0; 2002 OX_{18}, 4, 1, 0; 2002 OP_{19}, 4, 1, 0; 2002 ON_{22}, 4, 1, 0; 2002 OY_{22}, 4, 1, 0; 2002 PD_{14}, 4, 1, 0; 1096 T-2, 4, 1, 0; *[337, 84, 0*, 1998/09/18–2002/03/06]*

704 Lincoln Laboratory Experimental Test System, New Mexico

G. Stokes, MIT Lincoln Laboratory, 244 Wood Street, Lexington, MA 02420, U.S.A. [stokes@ll.mit.edu]

Observers M. Blythe, F. Shelly, M. Bezpalko, M. Elowitz, R. Huber, L. Manguso, S. Adams, D. Torres, T. Brothers, S. Partridge

Measurers J. Stuart, H. Viggh, R. Sayer, J. B. Evans, P. Hopman

1.0-m $f/2.15$ reflector + CCD

USNO-A2.0

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1998 MT_{24}, 3, 1, 0; 1998 SS_{49}, 3, 1, 0; 1998 WS_5, 3, 1, 0; 1999 GS_6, 2, 1, 0; 1999 LU_7, 3, 1, 0; 1999 VQ_{77}, 3, 1, 0; 2000 HD_{24}, 3, 1, 0; 2000 QJ_1, 4, 1, 0; 2001 XN_{254}, 3, 1, 0; 2001 YJ_4, 2, 1, 0; 2002 KH_4, 3, 1, 0; 2002 LV, 4, 1, 0; 2002 LJ_3, 3, 1, 0; 2002 LY_{45}, 3, 1, 0; 2002 MC, 3, 1, 0; 2002 MN, 3, 1, 0; 2002 NA_{31}, 3, 1, 0; 2002 NY_{31}, 6, 2, 1; 2002 NY_{40}, 3, 1, 0; 2002 OM_4, 3, 1, 0; (1922), 4, 1, 0; (3361), 3, 1, 0; (3553), 3, 1, 0; (4197), 3, 1, 0; (7025), 3, 1, 0; (8037), 5, 1, 0; (9058), 3, 1, 0; (9172), 3, 1, 0; (24445), 3, 1, 0; (24475), 3, 1, 0; (26379), 3, 1, 0; *[97, 31, 0*, 2002/07/15–2002/07/18]*

715 Jornada Observatory
D. S. Dixon, 5975 Moonrise Vista, Las Cruces, NM 88012, U.S.A. [ddixon@zianet.com]
0.3-m $f/10$ Schmidt-Cassegrain + CCD, 0.4-m $f/10$ Schmidt-Cassegrain + CCD
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734 Farpoint Observatory, Eskridge
G. Hug, RTE 1 Box 35c, Eskridge, KS 66423, U.S.A. [frogstar@cox.net]
0.30-m Schmidt-Cassegrain + CCD
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735 George Observatory, Needville
W. G. Dillon, 4703 Birkenhead Circle, Missouri City, TX 77459, U.S.A. [bdillon@houston.geoquest.slb.com]
Observers J. Dellinger, J. Ellis, S. Brandsberg-Dahl, P. Garossino, W. G. Dillon, P. Dessemontet, T. Hiserodt, A. Cruz, L. Casady
Measurers J. Dellinger, W. G. Dillon, A. Cruz, L. Casady
0.46-m reflector + CCD, 0.91-m $f/7.6$ Ritchey-Chrétien + CCD
USNO-A2.0, USNO-SA2.0, GSC-ACT
1986 WC_1, 11, 4, 7; 1990 YP, 2, 1, 0; 1991 RQ_5, 3, 1, 0; 1996 HE_{13}, 3, 1, 0; 1998 ET_3, 2, 1, 0; 1998 QK_{22}, 3, 1, 0; 1999 BC_3, 5, 2, 2; 1999 RU_{139}, 8, 3, 12; 1999 TM_3, 5, 2, 1; 1999 TW_{215}, 6, 2, 14; 1999 VW_{98}, 2, 1, 0; 1999 XX_{34}, 5, 2, 25; 1999 XJ_{82}, 3, 1, 0; 1999 XQ_{186}, 3, 1, 0; 2000 AZ_{201}, 3, 1, 0; 2000 BZ_8, 3, 1, 0; 2000 CB_{19}, 2, 1, 0; 2000 HB, 6, 2, 1; 2001 CG_1, 3, 1, 0; 2001 FL_6, 6, 2, 1; 2001 WP_{57}, 2, 1, 0; 2001 YU_{122}, 3, 1, 0; 2002 CH_{267}, 2, 1, 0; 2002 LL_{55}, 3, 1, 0; 2002 LR_{58}, 3, 1, 0; 2002 MM, 6, 2, 6; 2002 MW_1, 2, 1, 0; 2002 NA_2 ∗, 12, 4, 12; 2002 NY_3 ∗, 8, 3, 7; 2002 NT_7, 3, 1, 0; 2002 NS_{13}, 3, 1, 0; 2002 NG_{14}, 3, 1, 0; 2002 NW_{15}, 3, 1, 0; 2002 NK_{29} ∗, 9, 3, 11; 2002 NS_{33}, 2, 1, 0; 2002 NE_{38}, 3, 1, 0; 2002 NO_{40}, 6, 2, 7; 2002 NY_{40}, 12, 4, 6; 2002 NE_{53}, 9, 3, 6; 2002 NO_{53}, 8, 3, 5; 2002 NQ_{53}, 5, 2, 2; 2002 OK_4 ∗, 6, 2, 5; 2002 OP_7 ∗, 6, 2, 3; 2002 PE ∗, 18, 6, 12; 2002 PB_{11} ∗, 6, 2, 4; 2002 PQ_{11} ∗, 9, 3, 5; 2002 PA_{43} ∗, 9, 3, 5; 2002 PB_{43} ∗, 9, 3, 5; 2002 PQ_{43} ∗, 6, 2, 1; 2002 PH_{54} ∗, 6, 2, 1; 2002 PJ_{54} ∗, 6, 2, 1; 2002 PY_{68} ∗, 6, 2, 1; 2002 PZ_{68} ∗, 6, 2, 2; 6179 P-L, 2, 1, 0; (1905), 2, 1, 0; (4441), 3, 1, 0; (4980), 3, 1, 0; (5843), 6, 2, 14; (5896), 2, 1, 0; (7969), 3, 1, 0; (8275), 6, 2, 1; (12299), 3, 1, 0; (13051), 3, 1, 0; (14128), 3, 1, 0; (16092), 5, 2, 1; (22392), 3, 1, 0; (22403), 3, 1, 0; (22598), 2, 1, 0; (42245), 5, 2, 1; (43207), 3, 1, 0; *[341, 70, 15∗, 2001/04/26–2002/08/13]*

762 Four Winds Observatory, Lake Leelanau
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0.3-m $f/3.3$ reflector + CCD
USNO-A2.0
2002 LV, 5, 1, 0; 2002 PM_6, 8, 2, 8; *[13, 2, 0∗, 2002/07/17–2002/08/15]*

784 Stull Observatory, Alfred University
D. R. DeGraff, Alfred University, Alfred, NY 14803, U.S.A. [degraff@alfred.edu]
0.82-m $f/4$ reflector + CCD
GSC-ACT
2002 NT_7, 6, 1, 0; 2002 NY_{40}, 20, 4, 4; (2544), 6, 2, 1; (20713), 6, 1, 0; (23481), 12, 3, 3; (26346), 6, 2, 1; *[56, 6, 0∗, 2002/07/31–2002/08/04]*

785 Fitz-Randolph Observatory, Princeton
A. J. Willman, 87 Prospect Avenue, Princeton NJ 08544, U.S.A. [observatory@Princeton.edu]
Observers C. Tarver, J. Maffei
0.91-m Cassegrain reflector + CCD
USNO-A2.0
1981 ED_6, 8, 4, 6; 1989 UX_7, 9, 4, 6; 1991 VD_4, 9, 3, 3; 2000 EC_{150}, 4, 2, 1; 2001 FL_{112}, 6, 2, 2; 2001 HA_{47}, 5, 2, 2; 2002 LV, 4, 2, 1; (400), 5, 2, 2; *[50, 8, 0∗, 2002/07/01–2002/07/23]*

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Observers J. L. Elliot (1), L. H. Wasserman (1), I. Dell'Antonio (3), V. Margoniner (3), D. Loomba (3), G. Wilson (3)
Measurers L. H. Wasserman, M. W. Buie, R. L. Millis, J. L. Elliot, S. D. Kern, S. Qu, J. A. Pate, D. Wittman, B. Gladman
4-m Blanco reflector + CCD
USNO-A2.0
{1} 1993 TP_{18}, 2, 1, 0; 1998 EP, 2, 1, 0; 1998 RB_{68}, 2, 1, 0; 1998 UT_{38}, 2, 1, 0; 1999 TL_{33}, 2, 1, 0; 1999 TT_{51}, 2, 1, 0; 1999 TG_{121}, 2, 1, 0; 1999 TE_{142}, 2, 1, 0; 1999 TP_{146}, 2, 1, 0; 1999 TW_{169}, 2, 1, 0; 1999 TQ_{173}, 2, 1, 0; 1999 TG_{188}, 2, 1, 0; 1999 TJ_{213}, 2, 1, 0; 1999 TS_{215}, 2, 1, 0; 1999 TQ_{255}, 2, 1, 0; 1999 TY_{307}, 2, 1, 0; 1999 UM_{20}, 2, 1, 0; 1999 VB_{39}, 2, 1, 0; 1999 VQ_{62}, 2, 1, 0; 1999 VF_{88}, 2, 1, 0; 1999 VC_{121}, 2, 1, 0; 1999 VM_{121}, 2, 1, 0; 1999 VD_{150}, 2, 1, 0; 1999 VL_{158}, 2, 1, 0; 1999 VX_{193}, 3, 1, 0; 1999 WK_{17}, 2, 1, 0; 1999 XS_4, 2, 1, 0; 1999 XE_{19}, 3, 1, 0; 1999 XF_{19}, 2, 1, 0; 1999 XR_{70}, 2, 1, 0; 1999 XJ_{87}, 2, 1, 0; 2000 AM_{38}, 2, 1, 0; 2000 AV_{234}, 2, 1, 0; 2000 HQ_{89}, 2, 1, 0; 2000 QQ_{21}, 2, 1, 0; 2000 SU_{70}, 2, 1, 0; 2000 SQ_{84}, 2, 1, 0; 2000 SW_{107}, 2, 1, 0; 2000 SR_{230}, 2, 1, 0; 2000 TG_{15}, 2, 1, 0; 2000 TB_{18}, 2, 1, 0; 2000 UK_{51}, 2, 1, 0; 2000 VK_{23}, 2, 1, 0; 2000 VC_{30}, 2, 1, 0; 2000 WR_{50}, 3, 1, 0; 2000 WX_{116}, 2, 1, 0; 2000 WA_{119}, 2, 1, 0; 2000 XZ_6, 2, 1, 0; 2000 XO_{23}, 2, 1, 0; 2000 XV_{28}, 2, 1, 0; 2000 XV_{53}, 2, 1, 0; 2000 YE_{58}, 2, 1, 0; 2001 BG_{74}, 2, 1, 0; 2001 KS_{26}, 2, 1, 0; 2001 KJ_{76}, 2, 1, 0; 2001 RW_{149}, 2, 1, 0; 2001 RJ_{150}, 2, 1, 0; 2001 RK_{151}, 2, 1, 0; 2001 SS_{324}, 2, 1, 0; 2001 ST_{326}, 2, 1, 0; 2001 SH_{328}, 2, 1, 0; 2001 SO_{338}, 2, 1, 0; 2001 SL_{344}, 4, 1, 0; 2001 SS_{346}, 2, 1, 0; 2001 UM_{198}, 2, 1, 0; 2001 WK_{10}, 2, 1, 0; 2001 XV_{55}, 2, 1, 0; 2002 CR_{36}, 2, 1, 0; 2002 CU_{303}, 4, 2, 26; 2002 EC_{23}, 2, 1, 0; 2002 EY_{53}, 2, 1, 0; 2002 EZ_{145}, 2, 1, 0; 2002 FN_{19}, 2, 1, 0; 2002 GQ_{28}, 2, 1, 0; 2002 GS_{37}, 2, 1, 0; 2002 GM_{164}, 2, 1, 0; 2002 GL_{169}, 2, 1, 0; 2002 GG_{170}, 2, 1, 0; 2002 GQ_{171}, 2, 1, 0; 2002 JH_{88}, 2, 1, 0; 2002 JV_{131}, 2, 1, 0; 2002 JX_{133}, 2, 1, 0; 2002 JQ_{141}, 2, 1, 0; 2002 KX_9, 2, 1, 0; 2002 LA_{35}, 2, 1, 0; 2002 LF_{57}, 2, 1, 0; 2002 ND_{34}, 2, 1, 0; 2002 NM_{34}, 2, 1, 0; 2002 NE_{54}, 2, 1, 0; 2002 OT, 2, 1, 0; 2002 OB_1, 2, 1, 0; 2002 OR_4, 2, 1, 0; 2002 PU_{27}, 2, 1, 0; 2045 P-L, 2, 1, 0; 2131 P-L, 2, 1, 0; 6078 P-L, 2, 1, 0; 1096 T-2, 2, 1, 0; *[201, 97, 0∗, 2000/07/31–2002/04/09]*

{3} 1999 RX_{96}, 4, 1, 0; 2000 TG_{15}, 5, 1, 0; 2000 WF_{44}, 5, 1, 0; 2002 GA_{168}, 5, 1, 0; *[19, 4, 0∗, 2002/02/14–2002/02/16]*

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Observers C. E. Lopez, H. S. Lepez, M. R. Cesco, R. A. Gil-Hutton, J. E. Torres, J. A. Vicentela
Measurer C. E. Lopez
0.5-m $f/7.5$ double astrograph + CCD
USNO-SA2.0
1999 RN_{21}, 8, 2, 2; 1999 TD_{27}, 5, 2, 2; 1999 VX_{46}, 7, 3, 3; 2001 FV_{62}, 3, 2, 1; 2002 NP_{12}, 2, 1, 0; (3584), 2, 1, 0; (5887), 2, 1, 0; *[29, 7, 0∗, 2002/07/17–2002/07/20]*

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E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [elst@atmos.oma.be] (4)
7 = 3 + 4
C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-75120 Uppsala, Sweden [classe@astro.uu.se] (8)
Observers P. Rousselot, H. Debehogne, C.-I. Lagerkvist, C. Cavadore M. Lindgren, G. Pizarro, O. Pizarro, T. Kranz, C. Wolf
Measurers P. Rousselot, E. W. Elst, O. Hernius, C.-I. Lagerkvist, O. Hainaut, T. Kranz, C. Wolf, C. Cavadore
1.0-m Schmidt, 2.2-m $f/8$ reflector + CCD, 1.5-m reflector + CCD
USNO-A2.0, GSC, USNO-SA2.0

{1} 2002 NL_{48}, 3, 1, 0; *[3, 1, 0*, 2000/02/14]*

{4} 1993 FC_{81}, 3, 1, 0; 1993 OO_{11}, 3, 1, 0; 2000 AS_{83}, 3, 1, 0; 2000 VR_{56}, 3, 1, 0; 2000 WU_{85}, 3, 1, 0; 2000 WC_{147}, 3, 1, 0; 2001 GY, 3, 1, 0; 2001 QG_{110}, 3, 1, 0; 2001 QS_{160}, 3, 1, 0; 2001 QW_{214}, 3, 1, 0; 2001 SZ_{31}, 6, 2, 1; 2001 TG_{133}, 3, 1, 0; 2001 XJ_{19}, 3, 1, 0; 2001 XW_{119}, 3, 1, 0; 2001 YC_{131}, 3, 1, 0; 2002 CA_{82}, 3, 1, 0; 2002 CP_{109}, 3, 1, 0; 2002 GK_{37}, 3, 1, 0; 2002 GO_{42}, 3, 1, 0; 2002 JS_{25}, 3, 1, 0; 2002 JA_{133}, 9, 3, 8; 2002 JG_{144}, 3, 1, 0; 2002 NT_{13}, 3, 1, 0; 2002 NA_{56}, 3, 1, 0; 2002 PX_7, 3, 1, 0; *[84, 25, 0*, 1992/09/02–1998/10/18]*

{7} 1998 SR_{31}, 3, 1, 0; 1999 VH_{169}, 6, 2, 2; *[9, 2, 0*, 1993/09/22–1993/10/10]*

{8} 1998 SG_{125}, 2, 2, 5; 1999 VX_{109}, 1, 1, 0; 1999 XE_{159}, 1, 1, 0; 2000 AR_{57}, 1, 1, 0; 2001 FS_{102}, 2, 2, 5; 2001 WE_{67}, 1, 1, 0; 2001 XT_{78}, 2, 2, 5; 2001 XQ_{100}, 1, 1, 0; 2001 YN_{60}, 4, 4, 25; 2002 CM_{164}, 2, 2, 1; 2002 CG_{220}, 13, 10, 31; 2002 GV_{18}, 1, 1, 0; 2002 GM_{165}, 2, 2, 2; 2002 JP_{67}, 1, 1, 0; 2002 JR_{132}, 2, 2, 1; 2002 LV_{26}, 1, 1, 0; 2002 LM_{47}, 1, 1, 0; 2002 ND_{12}, 2, 2, 1; 2002 NS_{39}, 3, 3, 4; 2002 NO_{42}, 10, 8, 34; 2002 OC, 1, 1, 0; 2002 OW, 1, 1, 0; 2002 OF_{16}, 1, 1, 0; *[56, 23, 0*, 1992/02/29–1998/03/02]*

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Observers R. Gil-Hutton, J. Licandro
Measurer R. Gil-Hutton
2.15-m $f/2.8$ reflector + CCD
USNO-A1.0

1997 TA_{25}, 2, 1, 0; 1998 WZ_{17}, 2, 1, 0; 1999 VL_9, 2, 1, 0; 1999 VA_{65}, 2, 1, 0; 1999 XB_2, 2, 1, 0; 1999 XG_{78}, 2, 1, 0; 2000 AA_{112}, 2, 1, 0; 2001 FS_{68}, 2, 1, 0; 2001 FH_{119}, 2, 1, 0; 2001 HH_{48}, 2, 1, 0; 2002 LV_{43}, 2, 1, 0; 2002 LQ_{50}, 2, 1, 0; 2002 NG_{56}, 2, 1, 0; *[26, 13, 0*, 2002/07/09]*

843 Emerald Lane Observatory
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0.41-m $f/6.2$ Schmidt-Cassegrain + CCD
GSC-1.2, USNO-SA2.0

1975 UY, 2, 1, 0; 1998 HQ_{23}, 2, 1, 0; 1998 HZ_{101}, 2, 1, 0; 1998 HN_{121}, 2, 1, 0; 1998 QJ_{18}, 2, 1, 0; 1998 QD_{102}, 2, 1, 0; 1998 SL_{156}, 2, 1, 0; 1998 VO_{31}, 2, 1, 0; 1998 WQ_{14}, 2, 1, 0; 1998 WZ_{17}, 2, 1, 0; 1998 YX_{21}, 2, 1, 0; 1999 FV_{39}, 4, 2, 1; 1999 RW_{24}, 2, 1, 0; 1999 RY_{222}, 2, 1, 0; 1999 TK_{85}, 2, 1, 0; 1999 TS_{155}, 4, 2, 1; 1999 TC_{156}, 4, 2, 1; 1999 TF_{248}, 2, 1, 0; 1999 TX_{286}, 2, 1, 0; 1999 TV_{288}, 2, 1, 0; 1999 VX_{93}, 2, 1, 0; 1999 WX_9, 2, 1, 0; 1999 XC_4, 2, 1, 0; 1999 XM_{32}, 2, 1, 0; 1999 XQ_{118}, 2, 1, 0; 1999 XR_{134}, 2, 1, 0; 2000 AR_3, 2, 1, 0; 2000 AB_{65}, 2, 1, 0; 2000 AK_{194}, 2, 1, 0; 2000 CS_{22}, 2, 1, 0; 2000 CK_{50}, 4, 2, 1; 2000 CW_{81}, 6, 3, 4; 2000 DO_{58}, 2, 1, 0; 2000 GE_{36}, 2, 1, 0; 2000 GS_{48}, 8, 4, 3; 2000 GU_{83}, 4, 2, 1; 2001 AR_{48}, 2, 1, 0; 2001 BF_9, 2, 1, 0; 2001 BZ_{41}, 2, 1, 0; 2001 BZ_{60}, 2, 1, 0; 2001 BJ_{70}, 2, 1, 0; 2001 BN_{76}, 2, 1, 0; 2001 DR_{98}, 2, 1, 0; 2001 FG_{33}, 2, 1, 0; 2001 FC_{68}, 2, 1, 0; 2001 FH_{78}, 2, 1, 0; 2001 FZ_{136}, 2, 1, 0; 2001 FB_{141}, 2, 1, 0; 2001 FJ_{169}, 2, 1, 0; 2001 GY_2, 2, 1, 0; 2001 HW_2, 4, 2, 1; 2001 HJ_{14}, 2, 1, 0; 2001 HQ_{16}, 2, 1, 0; 2001 HG_{18}, 2, 1, 0; 2001 HA_{54}, 2, 1, 0; 2001 JW_3, 2, 1, 0; 2001 KN_{54}, 2, 1, 0; 2001 UN_{210}, 1, 1, 0; 2002 LE_{47}, 6, 3, 12; 2002 LH_{54}, 2, 1, 0; 2002 ND_8, 2, 1, 0; 2002 ND_{17}, 2, 1, 0; 2002 NS_{30} *, 2, 1, 0; 2002 NQ_{34}, 2, 1, 0; 2002 NM_{44}, 2, 1, 0; 2002 OU_{12}, 2, 1, 0; 2002 OV_{19} *, 4, 2, 14; 2002 PA *, 6, 3, 11; 2002 PB_1 *, 8, 4, 3; 2002 PS_1 *, 6, 3, 2; 2002 PS_{11} *, 10, 5, 6; 2002 PT_{11} *, 6, 3, 4; 2002 PB_{40} *, 4, 2, 3; 2002 PC_{43} *, 4, 2, 1; (181), 4, 2, 2; (12400), 2, 1, 0; (22251), 4, 2, 1; (23805), 2, 1, 0; *[217, 78, 9*, 2001/10/22–2002/08/12]*

844 Los Molinos
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Observers S. Roland, G. Hugo, S. Bruzzone, A. Errico, F. Artigue, R. Salvo
Measurers S. Roland, S. Bruzzone, R. Salvo
0.35-m $f/4.6$ reflector + CCD, 0.47-m $f/2.8$ reflector + CCD
USNO-A2.0

2001 FY_{21}, 3, 1, 0; 2002 ON_4, 3, 1, 0; 2002 PN, 4, 1, 0; 2002 PJ_{80}, 4, 1, 0; 2002 PV_{87} *, 6, 2, 1; 2002 PE_{130}, 4, 1, 0; *[24, 6, 1*, 2002/07/16–2002/08/15]*

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Observers D. A. Cornell, C. Hooper
0.41-m $f/10$ reflector + CCD
USNO-A2.0

2002 LB_6, 5, 3, 13; 2002 NY_{40}, 3, 2, 4; *[8, 2, 0*, 2002/07/02–2002/08/16]*

848 Tenagra Observatory, Cottage Grove
M. Schwartz, Tenagra Observatories, HC2 Box 292, Nogales, AZ 85621, U.S.A. [mbs@tenagraobservatories.com]
Observers P. R. Holvorcem, C. W. Juels, M. Schwartz
Measurers P. R. Holvorcem, C. W. Juels
0.36-m $f/11$ Schmidt-Cassegrain + CCD
GSC-ACT, USNO-A2.0, GSC-1.1

1987 AD, 3, 1, 0; 1994 YZ, 2, 1, 0; 1998 MZ_{24}, 3, 1, 0; 1998 VL_1, 3, 1, 0; 1998 VO_{54}, 3, 1, 0; 1998 XT_{72}, 3, 1, 0; 1998 YM_7, 3, 1, 0; 1999 LQ_2, 3, 1, 0; 1999 TM_{217}, 9, 3, 2; 1999 VD_{11}, 3, 1, 0; 1999 XJ_{87}, 5, 2, 2; 1999 XD_{113}, 2, 1, 0; 1999 XP_{141}, 5, 2, 2; 2000 AE_{91}, 3, 1, 0; 2000 BS_{35}, 4, 1, 0; 2000 CS_{34}, 3, 1, 0; 2000 CH_{38}, 2, 1, 0; 2000 CQ_{100}, 3, 1, 0; 2000 JB_{52}, 3, 1, 0; 2001 BP_{33}, 5, 2, 1; 2001 BL_{38}, 3, 1, 0; 2001 FA_{150}, 9, 3, 2; 2001 HU_{46}, 3, 1, 0; 2001 KE_4, 2, 1, 0; 2001 KN_{39}, 3, 1, 0; 2001 ML_{11}, 3, 1, 0; 2001 MY_{29}, 3, 1, 0; 2001 OB_{95}, 3, 1, 0; 2001 QP_{153}, 3, 1, 0; 2002 LF_{54}, 2, 1, 0; 2002 NN_4, 2, 2, 5; 2002 NP_7, 4, 1, 0; 2002 NV_{16}, 10, 4, 27; 2002 NW_{16}, 10, 4, 23; 2002 NY_{25}, 3, 1, 0; 2002 NS_{26}, 3, 1, 0; 2002 NA_{31}, 1, 1, 0; 2002 NS_{32}, 7, 2, 1; 2002 NY_{40}, 6, 2, 2; 2002 OH_1, 3, 1, 0; 2002 OK_2, 3, 1, 0; 2002 OM_4, 2, 1, 0; 2002 OG_5, 3, 1, 0; 2002 OM_{12}, 2, 1, 0; 2002 OS_{14}, 3, 1, 0; 2002 OB_{21}, 3, 1, 0; 2002 OF_{24}, 2, 1, 0; 2002 PB, 9, 3, 7; 2002 PR_1, 12, 4, 7; 2002 PM_6, 10, 4, 5; 2002 PQ_6, 9, 3, 5; 2002 PC_{11}, 2, 1, 0; 2002 PD_{11}, 8, 3, 3; 2002 PU_{32}, 3, 1, 0; 2002 PO_{34}, 3, 1, 0; 2002 PX_{39}, 6, 2, 1; 2002 PY_{39}, 5, 2, 2; 2002 PZ_{39}, 9, 3, 2; 2002 PD_{40}, 7, 2, 1; 2002 PW_{42}, 3, 1, 0; 2002 PD_{43}, 8, 2, 2; 2002 PG_{43}, 3, 1, 0; 2002 PM_{55}, 3, 1, 0; 2002 PW_{62}, 3, 1, 0; 2002 PP_{63}, 2, 1, 0; 2002 PQ_{63}, 4, 1, 0; 2002 PX_{63}, 2, 1, 0; 2002 PN_{68}, 3, 1, 0; 2002 PO_{75}, 7, 2, 2; 2002 PQ_{79}, 3, 1, 0; 2002 PR_{79} *, 5, 2, 1; 2002 PS_{79}, 3, 1, 0; 2002 PT_{79} *, 5, 2, 1; 2002 PU_{79} *, 9, 3, 2; 2002 PG_{80}, 8, 2, 1; 2002 PH_{80}, 7, 2, 1; 2002 PJ_{80}, 3, 1, 0; 2002 PP_{81}, 5, 2, 1; 2002 PQ_{86}, 3, 1, 0; 2002 PR_{86}, 5, 1, 0; 2002 PS_{86} *, 9, 2, 2; 2002 PT_{86} *, 8, 3, 2; 2002 PM_{89}, 3, 1, 0; 2002 PK_{95}, 3, 1, 0; 2002 PW_{95}, 3, 1, 0; 2002 PZ_{95}, 2, 1, 0; 2002 PB_{96}, 3, 1, 0; 2002 PQ_{113}, 3, 1, 0; 2002 PR_{113}, 4, 1, 0; 2002 PO_{115}, 2, 1, 0; 2002 PQ_{115}, 2, 1, 0; 2002 PB_{119}, 3, 1, 0; 2002 PK_{119}, 3, 1, 0; 2002 PY_{126}, 3, 1, 0; 2002 PE_{130}, 4, 1, 0; 2002 PR_{130}, 3, 1, 0; 2002 PS_{130} *, 6, 2, 2; (1444), 4, 1, 0; (5887), 1, 1, 0; (8567), 3, 1, 0; (12529), 4, 1, 0; (12725), 2, 1, 0; (13601), 1, 1, 0; (28134), 3, 1, 0; (41358), 1, 1, 0; *[431, 105, 6*, 2002/07/12–2002/08/17]*

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0.3-m $f/3.3$ Schmidt-Cassegrain + CCD
USNO-SA2.0

2002 NQ_7, 4, 1, 0; 2002 NT_7, 3, 1, 0; 2002 NV_{16}, 4, 1, 0; 2002 NW_{16}, 3, 1, 0; 2002 PM_6, 4, 1, 0; 2002 PP_6, 3, 1, 0; 2002 PO_{34}, 2, 1, 0; 2002 PC_{40}, 3, 1, 0; 2002 PD_{40}, 3, 1, 0; 2002 PW_{42}, 3, 1, 0; 2002 PD_{43}, 3, 1, 0; 2002 PG_{43}, 3, 1, 0; *[38, 12, 0∗, 2002/07/14–2002/08/11]*

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Observers C. Jacques, E. Pimentel, G. Nappi, J. Diniz
Measurer C. Jacques
0.30-m f/3.3 reflector + CCD
GSC-ACT
1998 RT_{15}, 3, 1, 0; 1998 SG_{36}, 5, 2, 5; 1999 NC_5, 5, 2, 2; 1999 XL_{45}, 3, 1, 0; 2000 PH_5, 6, 2, 2; 2001 VG_5, 3, 1, 0; 2001 VS_{78}, 3, 1, 0; 2001 XN_{254}, 1, 1, 0; 2001 YJ_4, 4, 2, 3; 2002 AJ_{29}, 2, 1, 0; 2002 HU_{11}, 3, 1, 0; 2002 KH_3, 2, 1, 0; 2002 KL_6, 3, 1, 0; 2002 LB_6, 3, 1, 0; 2002 MC, 3, 1, 0; 2002 NP_1, 11, 4, 30; 2002 NT_7, 3, 1, 0; 2002 NV_{16}, 3, 1, 0; 2002 NW_{16}, 3, 1, 0; 2002 NY_{40}, 11, 3, 10; 2002 OW_{22}, 3, 1, 0; 2002 PN, 4, 1, 0; 2002 PX_{39}, 3, 1, 0; 2002 PY_{39}, 3, 1, 0; 2002 PD_{43}, 3, 1, 0; (433), 13, 3, 10; (1875), 6, 1, 0; (2938), 5, 2, 13; (5143), 9, 3, 10; (5535), 3, 1, 0; (5751), 1, 1, 0; (7822), 2, 1, 0; (8201), 4, 1, 0; (8405), 3, 1, 0; (8567), 3, 1, 0; (9161), 3, 1, 0; (13516), 3, 1, 0; (15100), 3, 1, 0; (15461), 3, 1, 0; (16834), 2, 1, 0; (18625), 3, 1, 0; (19742), 3, 1, 0; *[165, 42, 0∗, 2002/07/07–2002/08/11]*

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Observers P. R. Holvorcem, A. G. O. K. Martins
Measurer C. W. Juels
0.36-m f/3.6 Schmidt-Cassegrain + CCD
GSC-ACT
2002 LV, 3, 1, 0; *[3, 1, 0∗, 2002/07/24]*

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D. T. Campbell, U.S.N.A. Physics Dept.-9C. 572 Holloway Rd., Annapolis, MD 21402-5026, U.S.A. [m000924@nadn.navy.mil]
Observer C. Crannell
0.5-m reflector + CCD
GSC-1.1
1999 RQ_{43}, 10, 3, 5; 2002 LV, 23, 3, 2; 2002 LB_6, 8, 1, 0; 2002 NX, 3, 1, 0; 2002 PM_6, 4, 1, 0; (1922), 5, 1, 0; *[53, 6, 0∗, 2002/07/04–2002/08/07]*

867 Saji Observatory
M. Yamanishi, 1071-1 Takayama, Saji, Yazu-Gun, Tottori-Ken, 689-13 Japan [sajinet@infosakyu.ne.jp]
Observers M. Yamanishi, A. Miyamoto, M. Aimoto, T. Oribe
1.03-m f/4.2 reflector + CCD
GSC
1999 RF_{139}, 3, 1, 0; *[3, 1, 0∗, 1997/01/12]*

886 Susono
M. Akiyama, 1655-23, Chabatake, Susono, Shizuoka-Ken, 410-11 Japan
0.25-m f/6.3 reflector + CCD
GSC
1995 WO, 2, 1, 0; 1997 CB_{26}, 2, 1, 0; *[4, 2, 0∗, 2002/08/08]*

888 Gekko Observatory
T. Kagawa, 1308-222, Kuwahara, Kannami-cho, Tagata-gun, Shizuoka-Ken, 419-010, Japan
0.50-m f/4.0 reflector + CCD
GSC-1.1
1995 QP_3, 2, 1, 0; 1999 VJ_5, 3, 1, 0; *[5, 2, 0∗, 2002/08/13]*

910 Caussols-ODAS
A. Maury, Observatoire de la Côte d'Azur, B.P. 229, F-06304 Nice, France [maury@obs-azur.fr]
G. Hahn, DLR Institute of Planetary Exploration, Rudower Chaussee 5, D-12489 Berlin, Germany [Gerhard.Hahn@DLR.de]
Observers A. Maury, D. Albanese, G. Hahn, M. Hoffmann
Measurers A. Maury, G. Hahn
0.90-m Schmidt + CCD
GSC
1993 TT_{32}, 3, 1, 0; 1995 WL_{25}, 3, 1, 0; 1998 KU_{28}, 3, 1, 0; 1998 VK_{27}, 3, 1, 0; 1998 VJ_{42}, 3, 1, 0; 1998 WM_{20}, 3, 1, 0; 1999 CM_{98}, 3, 1, 0; 1999 CS_{159}, 3, 1, 0; 1999 GK_{63}, 3, 1, 0; 2000 AN_{114}, 3, 1, 0; 2000 AV_{242}, 3, 1, 0; 2000 DU_{23}, 3, 1, 0; 2000 DL_{109}, 3, 1, 0; 2000 YQ_{54}, 3, 1, 0; 2000 YB_{88}, 3, 1, 0; 2001 BM_{77}, 3, 1, 0; 2001 QC_{10}, 3, 1, 0; 2001 QZ_{256}, 3, 1, 0; 2001 RV_{82}, 3, 1, 0; 2001 TT_7, 3, 1, 0; 2001 TY_{236}, 3, 1, 0; 2001 TL_{237}, 3, 1, 0; 2001 VN_{83}, 3, 1, 0; 2001 XB_{52}, 3, 1, 0; 2002 AQ_{73}, 3, 1, 0; 2002 JN_{121}, 6, 2, 31; 2002 JW_{129}, 3, 1, 0; 2002 JW_{142}, 3, 1, 0; 2002 KO_{12}, 3, 1, 0; 2002 LQ_4, 3, 1, 0; 2002 LH_{26}, 3, 1, 0; 2002 LW_{26}, 3, 1, 0; 2002 LV_{36}, 3, 1, 0; 2002 LH_{39}, 6, 2, 37; 2002 LA_{56}, 3, 1, 0; 2002 NY_6, 3, 1, 0; 2002 NE_{11}, 3, 1, 0; 2002 NV_{15}, 3, 1, 0; 2002 NS_{25}, 3, 1, 0; 2002 NE_{47}, 3, 1, 0; 2002 OE_{13}, 6, 2, 20; 2002 OF_{22}, 3, 1, 0; 2002 OM_{22}, 3, 1, 0; *[138, 43, 0∗, 1997/01/15–1999/03/21]*

916 Oakley Observatory, Terre Haute
R. Ditteon, Rose-Hulman Institute CM171, 5500 Wabash Avenue, Terre Haute, IN 47803, U.S.A. [richard.p.ditteon@rose-hulman.edu]
Observers C. Wolfe, J. Pillert, M. Adams, M. Gavala, J. Groven
Measurers C. Wolfe, J. Pillert, J. Groven, M. Gavala, M. Adams
0.36-m f/7 Schmidt-Cassegrain + CCD,
GSC-ACT, USNO-SA2.0
2001 SA_{326}, 3, 1, 0; *[3, 1, 0∗, 2001/10/26]*

918 Badlands Observatory, Quinn
R. Dyvig, P.O. Box 37, Quinn, SD 57775, U.S.A. [rondyv@gwtc.net]
0.66-m f/4.8 reflector + CCD
GSC-1.2
2002 PD_{11}, 4, 1, 0; *[4, 1, 0∗, 2002/08/07]*

921 Southwest Institute for Space Research
A. Hale, 15 E. Spur Road, Cloudcroft, NM 88317, U.S.A. [ahale@swisr.org]
0.20-m Schmidt-Cassegrain + CCD
GSC-1.1
2002 NY_{40}, 6, 2, 6; (16960), 13, 3, 6; *[19, 2, 0∗, 2002/07/08–2002/08/12]*

924 Observatoire du Cégep de Trois-Rivières
E. J. Allen, Dept Physique, Cegep de Trois-Rivieres, 3500 rue De Courval, C.P. 97, Trois-Rivières, Québec G9A 5E6, Canada [eric.allen@cegeptr.qc.ca]
0.41-m f/4.4 reflector + CCD
USNO-A2.0
1998 YZ_3, 3, 1, 0; 2002 OQ_2, 2, 1, 0; *[5, 2, 0∗, 2002/07/17]*

932 John J. McCarthy Observatory, New Milford
M. Robson, P.O. Box 1144, New Milford, CT 06776, U.S.A. [mrobson@snet.net]
Observers W. Cloutier, R Lambert, M. Robson
0.4-m f/7.3 Schmidt-Cassegrain + CCD
USNO-A2.0
2002 LY_{45}, 3, 1, 0; *[3, 1, 0∗, 2002/07/11]*

938 Linhaceira
R. Goncalves, Instituto Politecnico Tomar, Area Fisica, Quinta do Contador, Estrada da Serra, P-2300 Tomar, Portugal [rui.goncalves@ipt.pt]
0.25-m f/6.7 Schmidt-Cassegrain + CCD
USNO-A2.0, UCAC-1.0
2002 MO_3, 1, 1, 0; 2002 NT_7, 3, 1, 0; 2002 NY_{40}, 138, 5, 15; (790), 3, 1, 0; (7680), 2, 2, 27; (9608), 2, 2, 27; (12885), 1, 1, 0; *[150, 7, 0∗, 2002/06/28–2002/08/16]*

939 Observatorio Rodeno
J. Castellano, Av. Primado Reig 183, E-46020 Valencia, Spain [julioc@ono.com]
0.20-m f/10 Schmidt-Cassegrain + CCD ST6
USNO-A2.0
1995 WO, 3, 1, 0; 1998 QF_{76}, 3, 1, 0; 1999 HF_1, 18, 6, 23; 2000 EE_{109}, 3, 1, 0; 2001 VS_{78}, 8, 3, 5; 2002 HU_{11}, 15, 5, 17; 2002 LV, 21, 7, 24; 2002 LB_6, 9, 3, 5; 2002 NY_{40}, 6, 2, 2; (16960), 12, 4, 4; *[98, 10, 0∗, 2002/07/02–2002/08/05]*

940 Waterlooville
R. Dymock, 67 Haslar Crescent, Waterlooville, Hampshire PO7 6DD, England [roger.dymock@ntlworld.com]
0.25-m f/6.4 reflector + CCD
USNO-A2.0
2002 NY_{40}, 65, 3, 4; 2002 PM_6, 19, 3, 4; *[84, 2, 0∗, 2002/08/12–2002/08/16]*

941 Observatorio Pla D'Arguines
R. Ferrando, Guardia Civil N. 22, ESC-5 PTA.-34, E-46020 Valencia, Spain [rferrand@jazzfree.com]
0.30-m Schmidt-Cassegrain + CCD
USNO-SA2.0
1983 LD, 2, 1, 0; 1994 PQ_9, 4, 1, 0; 1998 HA_{142}, 4, 1, 0; 1998 QJ_{73}, 4, 1, 0; 1998 ST_{130}, 4, 1, 0; 1998 TP_{36}, 5, 1, 0; 1998 VX_{29}, 5, 1, 0; 1999 UK_{46}, 6, 1, 0; 1999 VT_{34}, 4, 1, 0; 1999 XD_{76}, 4, 1, 0; 1999 XX_{100}, 4, 1, 0; 1999 XV_{111}, 13, 2, 1; 2000 AE_{243}, 4, 1, 0; 2000 AF_{243}, 4, 1, 0; 2000 DH_{12}, 4, 1, 0; 2000 EO_{16}, 7, 1, 0; 2000 HA_{75}, 4, 1, 0; 2000 XA_{15}, 3, 1, 0; 2000 YE_{133}, 4, 1, 0; 2001 BD_{68}, 8, 2, 1; 2001 BJ_{70}, 3, 1, 0; 2001 FF_{119}, 5, 1, 0; 2001 FT_{148}, 4, 1, 0; 2001 FR_{151}, 3, 1, 0; 2001 FK_{160}, 4, 1, 0; 2001 GN_4, 9, 2, 2; 2001 HN_{45}, 4, 1, 0; 2001 HW_{66}, 2, 1, 0; 2002 LV, 22, 3, 27; 2002 LB_6, 5, 1, 0; 2002 LS_{32}, 7, 2, 7; 2002 LY_{45}, 4, 1, 0; 2002 NX, 22, 4, 28; 2002 NT_7, 8, 2, 15; 2002 NV_{16}, 6, 1, 0; 2002 NF_{18}, 4, 1, 0; 2002 NY_{40}, 61, 5, 14; 2002 PB_2, 6, 1, 0; 2002 PM_6, 8, 2, 1; 2002 PT_{10}, 4, 1, 0; 2002 PZ_{39}, 26, 4, 6; 2002 PM_{86} ∗, 9, 2, 2; 2002 PA_{112} ∗, 14, 3, 3; *[337, 43, 2∗, 2002/06/28–2002/08/18]*

946 Ametlla de Mar
J. Nomen, Rio de Oro 25, bjos2, E-08034 Barcelona, Spain [jnomen@astro.gea.cesca.es]
Observers J. Nomen, A. Verdu
0.40-m f/2.0 Schmidt + CCD
USNO-SA2.0, GSC-ACT
2002 NT_7, 5, 2, 6; 2002 NV_{16}, 3, 1, 0; 2002 NW_{16}, 3, 1, 0; 2002 NX_{18}, 3, 1, 0; 2002 NR_{26}, 5, 2, 2; 2002 ON_4, 2, 1, 0; 2002 OS_4, 3, 1, 0; 2002 PM_6, 4, 1, 0; 2002 PZ_{39}, 3, 1, 0; 2002 PA_{40} ∗, 6, 2, 2; 2002 PX_{42} ∗, 4, 2, 3; 2002 PY_{42} ∗, 4, 2, 1; 2002 PZ_{42} ∗, 6, 2, 1; 2002 PD_{43}, 7, 2, 1; 2002 PR_{47}, 6, 2, 1; 2002 PU_{47}, 6, 2, 1; 2002 PN_{57}, 5, 2, 1; 2002 PH_{80}, 3, 1, 0; *[78, 18, 4∗, 2002/07/13–2002/08/13]*

947 Saint-Sulpice
B. Christophe, 63 rue Belliard, F-75018 Paris, France [bchristo@club-internet.fr]
0.60-m f/5.6 relector + CCD
USNO-A2.0
(531), 8, 1, 0; (1251), 17, 2, 1; *[25, 2, 0∗, 2002/05/31–2002/06/02]*

950 La Palma
A. Fitzsimmons, Physics Department, Queen's University, Belfast BT7 1NN, Northern Ireland [a.fitzsimmons@qub.ac.uk]
Observers L. Hebb, S. Aigrainne. R. Wyse, M. Azzaro, S. Folkes, A. Fitzsimmons, C. Trundle, L. Morales Rueda, S. Maddox, M. Irwin
Measurers A. Fitzsimmons, S. Collander-Brown, A. Boattini
1.0-m f/15 reflector + CCD, 2.5-m Isaac Newton Telescope + CCD, 4.2-m William Herschel Telescope + CCD
USNO-A2.0, APM
1998 RV_{68}, 3, 1, 0; 1999 NB_5, 6, 1, 0; 1999 VU_{27}, 3, 1, 0; 2002 LV_{25}, 3, 1, 0; 2002 MN, 4, 1, 0; 2002 MX, 8, 2, 7; 2002 ME_2, 3, 1, 0; 2002 MT_2, 6, 2, 1; 2002 MZ_3 ∗, 6, 2, 2; 2002 MA_4 ∗, 6, 2, 2; 2002 MF_4 ∗, 6, 2, 2; 2002 MG_4 ∗, 6, 2, 2; 2002 MH_4 ∗, 6, 2, 2; 2002 MJ_4 ∗, 6, 2, 2; 2002 MK_4 ∗, 6, 2, 1; 2002 ML_4 ∗, 6, 2, 1; 2002 MM_4 ∗, 6, 2, 1; 2002 MN_4 ∗, 6, 2, 1; 2002 MO_4 ∗, 6, 2, 1; 2002 MP_4 ∗, 3, 1, 0; 2002 MQ_4 ∗, 3, 1, 0; 2002 NR_{12}, 3, 1, 0; 2002 NU_{16} ∗, 20, 2, 1; 2002 NE_{21}, 3, 1, 0; 2002 NX_{22}, 6, 2, 1; 2002 NY_{40}, 4, 1, 0; 2002 NK_{45}, 3, 1, 0; 2002 OL_{16}, 3, 1, 0; 2002 OR_{19}, 3, 1, 0; 2002 PN, 3, 1, 0; (5298), 3, 1, 0; (8689), 6, 2, 1; (23887), 3, 1, 0; (43501), 3, 1, 0; *[171, 34, 14∗, 2002/06/20–2002/08/14]*

951 Highworth
J. W. Rock, 2 Spa Close, Highworth, Swindon, Wiltshire SN6 7PJ, England [johnrock@beeb.net]
0.25-m f/6.3 Schmidt-Cassegrain + CCD
GSC-ACT
2002 NY_{40}, 8, 2, 1; 2002 OW_{22}, 3, 1, 0; *[11, 2, 0∗, 2002/08/01–2002/08/16]*

952 Marxuquera
J. J. Gómez D., Cardenal Cisneros 55-4-8, E-46700 Gandia, Spain [astsafor@arrakis.es]
0.25-m f/6.3 Schmidt-Cassegrain + CCD
USNO-A2.0
2001 ED_{16}, 3, 1, 0; 2002 LV, 7, 1, 0; 2002 NP_1, 4, 1, 0; 2002 NX_{18}, 14, 2, 7; 2002 NL_{19}, 3, 1, 0; 2002 NA_{22}, 3, 1, 0; 2002 NY_{40}, 39, 8, 21; 2002 ON_4, 8, 2, 24; 2002 PM_6, 5, 1, 0; 2002 PZ_{39}, 39, 3, 3; 2002 PW_{42}, 2, 1, 0; (2060), 4, 1, 0; (3736), 8, 1, 0; (9177), 4, 1, 0; (20346), 3, 1, 0; (20713), 4, 1, 0; *[150, 16, 0∗, 2002/06/16–2002/08/18]*

954 Teide Observatory
R. Casas, A. A. Sabadell P.O. Box 50, E-08200 Sabadell, Spain [rcr@ot.iac.es]
Observers A. Gomez, C. Abajas, L. Chinarro
Measurer R. Casas
0.8-m f/9.0 Cassegrain + CCD
USNO-SA2.0
1998 GE_1, 10, 2, 37; 1998 PH, 4, 1, 0; 1999 TZ_{236}, 2, 1, 0; 2002 PO_{63} ∗, 22, 4, 4; *[38, 4, 1∗, 2002/07/04–2002/08/16]*

966 Church Stretton
S. P. Laurie, Toleman, 10 Hazler Orchard, Church Stetton, Shropshire SY6 7AL, England [100336.3635@compuserve.com]
0.35-m Schmidt Cassegrain + CCD
USNO-A2.0
2002 NT, 2, 1, 0; 2002 NN_4, 2, 1, 0; 2002 OM_4, 3, 1, 0; *[7, 3, 0∗, 2002/07/10–2002/07/18]*

A19 Köln
G. Weselowski, Paffendorfstr. 32, D-51107 Köln, Germany [cloedi@aol.com]
0.35-m f/3.6 Schmidt-Cassegrain + CCD
USNO-A2.0
1994 LM, 2, 1, 0; 2000 EC_{150}, 2, 1, 0; 2002 KH_4, 4, 1, 0; (3040), 4, 1, 0; (3553), 5, 2, 1; (5222), 5, 1, 0; *[22, 6, 0∗, 2002/07/07–2002/07/28]*

A28 Volkssternwarte Kempten

M. Scheel, Volkssternwarte Kempten, Saarlandstrasse 1, D-87437 Kempten, Germany [volkssternwarte-kempten@gmx.de]

0.46-m f/4.5 reflector + CCD

USNO-A2.0

2002 NV_{16}, 4, 1, 0; 2002 NY_{40}, 4, 1, 0; (25), 4, 1, 0; (3040), 3, 1, 0; (3976), 4, 1, 0; (16965), 4, 1, 0; *[23, 6, 0*, 2002/07/28–2002/08/16]*

A31 Corcaroli Observatory

F. Zattera, via Carpaneo 3, Cornedo Vicentino (VI), Italy [graxper@freepass.it]

0.25-m f/6.3 Schmidt-Cassegrain + CCD

GSC

(1030), 2, 1, 0; (1102), 2, 1, 0; (1139), 2, 1, 0; (3976), 2, 1, 0; (6833), 2, 1, 0; (22085), 2, 1, 0; (23880), 2, 1, 0; *[14, 7, 0*, 2002/07/09–2002/07/19]*

B18 Terskol

S. Barabanov, Institute of Astronomy of RAS, 48, Pyatnitskaya, Moscow 109017, Russia [inasan@burbonz.nalnet.ru]

Observers S. Barabanov, A. Sergeev

Measurers S. Barabanov, M. Smirnov

2.0-m f/1.78 reflector + CCD

USNO-A2.0

2001 BK_{37}, 2, 1, 0; 2001 QV_{239}, 5, 1, 0; 2001 TU_{239} *, 7, 2, 1; *[14, 3, 1*, 2001/03/25–2001/10/15]*

G78 Desert Wanderer Observatory, El Centro

W. K. Yeung, 139 Sandringham Place NW, Calgary, Alberta T3K 3V8, Canada [Calgarian@canada.com]

0.45-m reflector + CCD

GSC-ACT

1968 OB, 3, 1, 0; 1975 UY, 3, 1, 0; 1983 RJ_1, 6, 2, 3; 1987 KF_1, 3, 1, 0; 1990 RW_{14}, 3, 1, 0; 1990 SV, 6, 2, 4; 1991 PZ_{10}, 3, 1, 0; 1991 PY_{18}, 3, 1, 0; 1993 TX_{36}, 3, 1, 0; 1994 CQ_9, 6, 2, 11; 1994 PB_{24}, 3, 1, 0; 1995 VH_2, 3, 1, 0; 1995 WO, 3, 1, 0; 1996 CW_3, 6, 2, 4; 1996 YP, 3, 1, 0; 1997 EN_{39}, 3, 1, 0; 1997 TA_{25}, 6, 2, 3; 1997 VF_1, 3, 1, 0; 1998 FP_{40}, 6, 2, 11; 1998 FK_{46}, 3, 1, 0; 1998 FX_{78}, 3, 1, 0; 1998 FB_{117}, 3, 1, 0; 1998 GO_1, 3, 1, 0; 1998 HK_{23}, 3, 1, 0; 1998 NS, 3, 1, 0; 1998 QT_{42}, 3, 1, 0; 1998 QF_{44}, 3, 1, 0; 1998 QF_{76}, 3, 1, 0; 1998 QX_{77}, 3, 1, 0; 1998 QC_{95}, 3, 1, 0; 1998 RV_{45}, 3, 1, 0; 1998 RN_{76}, 3, 1, 0; 1998 SO_{22}, 6, 2, 1; 1998 SS_{56}, 6, 2, 2; 1998 SJ_{100}, 3, 1, 0; 1998 VU_{17}, 3, 1, 0; 1998 VB_{37}, 6, 2, 11; 1998 WT_{40}, 3, 1, 0; 1999 AX_{25}, 3, 1, 0; 1999 LQ_5, 6, 2, 3; 1999 LL_{31}, 3, 1, 0; 1999 RQ_{110}, 3, 1, 0; 1999 RT_{234}, 3, 1, 0; 1999 TZ_2, 3, 1, 0; 1999 TD_4, 3, 1, 0; 1999 TV_{92}, 3, 1, 0; 1999 TF_{110}, 3, 1, 0; 1999 TV_{119}, 3, 1, 0; 1999 TK_{124}, 3, 1, 0; 1999 TF_{168}, 3, 1, 0; 1999 TM_{217}, 6, 2, 2; 1999 TD_{226}, 3, 1, 0; 1999 US_{24}, 3, 1, 0; 1999 UP_{50}, 3, 1, 0; 1999 VX_2, 3, 1, 0; 1999 VX_{36}, 3, 1, 0; 1999 WA_6, 3, 1, 0; 1999 XT_{114}, 3, 1, 0; 1999 XO_{137}, 3, 1, 0; 1999 XN_{147}, 3, 1, 0; 1999 XF_{168}, 3, 1, 0; 1999 XU_{187}, 3, 1, 0; 1999 XO_{195}, 9, 3, 2; 2000 AN_2, 3, 1, 0; 2000 AG_{33}, 3, 1, 0; 2000 AN_{37}, 3, 1, 0; 2000 AO_{50}, 6, 2, 11; 2000 AG_{63}, 3, 1, 0; 2000 AE_{76}, 3, 1, 0; 2000 AR_{81}, 3, 1, 0; 2000 AU_{109}, 3, 1, 0; 2000 AF_{125}, 3, 1, 0; 2000 AN_{139}, 3, 1, 0; 2000 AW_{139}, 3, 1, 0; 2000 AY_{201}, 3, 1, 0; 2000 AB_{216}, 3, 1, 0; 2000 AE_{243}, 3, 1, 0; 2000 CK_{24}, 3, 1, 0; 2000 CE_{73}, 3, 1, 0; 2000 DJ_3, 3, 1, 0; 2000 DM_9, 3, 1, 0; 2000 DE_{42}, 3, 1, 0; 2000 DW_{51}, 3, 1, 0; 2000 DS_{60}, 3, 1, 0; 2000 EK_{20}, 3, 1, 0; 2000 EL_{84}, 3, 1, 0; 2000 ED_{175}, 3, 1, 0; 2000 GK_{80}, 3, 1, 0; 2000 WX_8, 3, 1, 0; 2000 WX_{29}, 3, 1, 0; 2000 YP_{104}, 3, 1, 0; 2000 YO_{120}, 3, 1, 0; 2001 EU_{13}, 3, 1, 0; 2001 EK_{22}, 3, 1, 0; 2001 FU_{34}, 6, 2, 11; 2001 FU_{40}, 3, 1, 0; 2001 FR_{56}, 3, 1, 0; 2001 FR_{72}, 6, 2, 2; 2001 FU_{79}, 3, 1, 0; 2001 FS_{103}, 3, 1, 0; 2001 FS_{124}, 9, 3, 11; 2001 FV_{136}, 3, 1, 0; 2001 FM_{144}, 3, 1, 0; 2001 HM_5, 3, 1, 0; 2002 LH_5, 3, 1, 0; 2002 LO_{27}, 3, 1, 0; 2002 LD_{30}, 3, 1, 0; 2002 LN_{36}, 3, 1, 0; 2002 LN_{56}, 3, 1, 0; 2002 LP_{57}, 3, 1, 0; 2002 NG_{16}, 3, 1, 0; 2002 NT_{23}, 9, 2, 4; 2002 NA_{24}, 3, 1, 0; 2002 NO_{24}, 3, 1, 0; 2002 NA_{25}, 3, 1, 0; 2002 NX_{25}, 3, 1, 0; 2002 NH_{26}, 6, 2, 1; 2002 NP_{26}, 3, 1, 0; 2002 NY_{40}, 29, 2, 2; 2002 OX_1, 3, 1, 0; 2002 OE_{11}, 3, 1, 0; 2002 OL_{22}, 6, 2, 11; 2002 ON_{22}, 3, 1, 0; 2002 PC, 3, 1, 0; 2002 PN *, 57, 5, 6; 2002 PC_1 *, 6, 2, 1; 2002 PT_1 *, 6, 2, 4; 2002 PU_1 *, 9, 2, 4; 2002 PV_1 *, 5, 2, 1; 2002 PZ_1, 3, 1, 0; 2002 PM_6, 8, 1, 0; 2002 PF_{26}, 3, 1, 0; 2002 PZ_{39}, 6, 1, 0; 2002 PD_{43}, 2, 1, 0; 2002 PO_{86} *, 5, 2, 2; 2002 PP_{86} *, 6, 2, 2; 2002 PY_{86} *, 6, 2, 2; 2002 PE_{130}, 2, 1, 0; 4149 T-3, 9, 2, 11; (6), 2, 1, 0; (14), 3, 1, 0; (15), 3, 1, 0; (25), 2, 1, 0; (69), 3, 1, 0; (171), 3, 1, 0; (185), 4, 1, 0; (252), 3, 1, 0; (277), 6, 2, 8; (279), 3, 1, 0; (295), 6, 2, 11; (310), 3, 1, 0; (398), 3, 1, 0; (410), 3, 1, 0; (482), 3, 1, 0; (513), 3, 1, 0; (515), 6, 2, 11; (554), 3, 1, 0; (557), 3, 1, 0; (580), 3, 1, 0; (585), 3, 1, 0; (600), 3, 1, 0; (607), 3, 1, 0; (647), 3, 1, 0; (658), 6, 2, 11; (669), 3, 1, 0; (673), 6, 2, 8; (676), 3, 1, 0; (759), 3, 1, 0; (785), 3, 1, 0; (830), 6, 1, 0; (874), 3, 1, 0; (891), 3, 1, 0; (892), 3, 1, 0; (909), 3, 1, 0; (925), 3, 1, 0; (985), 3, 1, 0; (1030), 3, 1, 0; (1060), 3, 1, 0; (1088), 3, 1, 0; (1090), 3, 1, 0; (1191), 3, 1, 0; (1241), 3, 1, 0; (1280), 3, 1, 0; (1290), 3, 1, 0; (1313), 3, 1, 0; (1342), 3, 1, 0; (1364), 3, 1, 0; (1399), 3, 1, 0; (1406), 3, 1, 0; (1413), 3, 1, 0; (1517), 3, 1, 0; (1584), 3, 1, 0; (1585), 3, 1, 0; (1656), 3, 1, 0; (1673), 3, 1, 0; (1697), 3, 1, 0; (1702), 3, 1, 0; (1706), 6, 2, 11; (1709), 6, 2, 8; (1746), 3, 1, 0; (1760), 3, 1, 0; (1815), 3, 1, 0; (1825), 3, 1, 0; (1845), 6, 2, 1; (1879), 6, 2, 10; (1881), 3, 1, 0; (1937), 3, 1, 0; (1944), 3, 1, 0; (1969), 6, 2, 8; (1973), 3, 1, 0; (2093), 3, 1, 0; (2106), 9, 3, 11; (2247), 3, 1, 0; (2306), 3, 1, 0; (2322), 3, 1, 0; (2336), 3, 1, 0; (2341), 3, 1, 0; (2367), 9, 3, 10; (2433), 3, 1, 0; (2480), 3, 1, 0; (2482), 3, 1, 0; (2533), 3, 1, 0; (2544), 3, 1, 0; (2553), 6, 1, 0; (2567), 6, 2, 11; (2614), 6, 1, 0; (2626), 3, 1, 0; (2671), 3, 1, 0; (2697), 3, 1, 0; (2742), 3, 1, 0; (2785), 3, 1, 0; (2813), 3, 1, 0; (2815), 3, 1, 0; (2846), 3, 1, 0; (2904), 3, 1, 0; (2918), 9, 3, 11; (2946), 6, 2, 3; (2953), 6, 2, 11; (2963), 3, 1, 0; (3012), 3, 1, 0; (3016), 3, 1, 0; (3035), 9, 3, 11; (3044), 3, 1, 0; (3062), 3, 1, 0; (3076), 3, 1, 0; (3121), 3, 1, 0; (3228), 3, 1, 0; (3445), 3, 1, 0; (3469), 3, 1, 0; (3573), 3, 1, 0; (3578), 3, 1, 0; (3590), 3, 1, 0; (3595), 3, 1, 0; (3716), 3, 1, 0; (3721), 9, 3, 11; (3907), 3, 1, 0; (3999), 3, 1, 0; (4053), 3, 1, 0; (4191), 3, 1, 0; (4252), 3, 1, 0; (4375), 6, 2, 1; (4422), 3, 1, 0; (4498), 3, 1, 0; (4513), 3, 1, 0; (4546), 3, 1, 0; (4554), 3, 1, 0; (4695), 3, 1, 0; (4869), 3, 1, 0; (4871), 6, 2, 3; (4959), 3, 1, 0; (4961), 3, 1, 0; (5014), 3, 1, 0; (5024), 6, 2, 1; (5040), 3, 1, 0; (5095), 3, 1, 0; (5099), 3, 1, 0; (5143), 3, 1, 0; (5156), 6, 2, 3; (5163), 3, 1, 0; (5171), 3, 1, 0; (5188), 3, 1, 0; (5245), 9, 3, 11; (5314), 3, 1, 0; (5394), 3, 1, 0; (5419), 3, 1, 0; (5444), 3, 1, 0; (5454), 3, 1, 0; (5516), 3, 1, 0; (5550), 3, 1, 0; (5594), 3, 1, 0; (5712), 3, 1, 0; (5829), 3, 1, 0; (5887), 3, 1, 0; (6073), 3, 1, 0; (6087), 3, 1, 0; (6139), 3, 1, 0; (6147), 3, 1, 0; (6284), 3, 1, 0; (6515), 9, 2, 11; (6536), 3, 1, 0; (6543), 3, 1, 0; (6566), 3, 1, 0; (6637), 3, 1, 0; (6736), 3, 1, 0; (6751), 3, 1, 0; (6806), 3, 1, 0; (7449), 3, 1, 0; (7477), 3, 1, 0; (7479), 3, 1, 0; (7545), 3, 1, 0; (7575), 3, 1, 0; (7649), 3, 1, 0; (7857), 3, 1, 0; (7902), 3, 1, 0; (7943), 3, 1, 0; (7990), 6, 2, 11; (8001), 3, 1, 0; (8027), 3, 1, 0; (8055), 3, 1, 0; (8095), 6, 1, 0; (8186), 3, 1, 0; (8384), 6, 2, 13; (8474), 6, 2, 3; (8725), 3, 1, 0; (8753), 3, 1, 0; (8783), 3, 1, 0; (8874), 3, 1, 0; (8977), 6, 2, 11; (8993), 3, 1, 0; (9010), 3, 1, 0; (9021), 6, 2, 11; (9032), 3, 1, 0; (9062), 3, 1, 0; (9063), 3, 1, 0; (9083), 3, 1, 0; (9110), 3, 1, 0; (9177), 3, 1, 0; (9190), 6, 1, 0; (9191), 3, 1, 0; (9246), 3, 1, 0; (9303), 6, 2, 2; (9304), 3, 1, 0; (9347), 3, 1, 0; (9592), 3, 1, 0; (9645), 6, 2, 8; (9757), 3, 1, 0; (9815), 3, 1, 0; (9936), 6, 2, 3; (10142), 3, 1, 0; (10240), 3, 1, 0; (10406), 3, 1, 0; (10415), 3, 1, 0; (11383), 3, 1, 0; (11839), 3, 1, 0; (11865), 3, 1, 0; (11867), 3, 1, 0; (11901), 3, 1, 0; (12190), 3, 1, 0; (12228), 3, 1, 0; (12325), 3, 1, 0; (12351), 3, 1, 0; (12485), 3, 1, 0; (12520), 3, 1, 0; (12543), 3, 1, 0; (12550), 3, 1, 0; (12581), 3, 1, 0; (12650), 3, 1, 0; (12685), 6, 2, 8; (12698), 3, 1, 0; (12725), 3, 1, 0; (12731), 6, 2, 8; (12849), 3, 1, 0; (12851), 3, 1, 0; (12975), 3, 1, 0; (12983), 3, 1, 0; (13021), 3, 1, 0; (13029), 3, 1, 0; (13049), 3, 1, 0; (13079), 6, 2, 10; (13122), 3, 1, 0; (13147), 3, 1, 0; (13162), 3, 1, 0; (13231), 3, 1, 0; (13242), 3, 1, 0; (13276), 3, 1, 0; (13337), 3, 1, 0; (13437), 6, 2, 8; (13488), 3, 1, 0; (13556), 3, 1, 0; (13687), 3, 1, 0; (13702), 3, 1, 0; (13722), 6, 2, 11; (13741), 6, 2, 11; (13749), 3, 1, 0; (13808), 3, 1, 0; (13823), 3, 1, 0; (13855), 6, 2, 11; (13883), 3, 1, 0; (13926), 3, 1, 0; (13982), 6, 2, 8; (14178), 3, 1, 0; (14219), 3, 1, 0; (14232), 3, 1, 0; (14271), 6, 2, 11; (14308), 3, 1, 0; (14401), 3, 1, 0; (14556), 3, 1, 0; (14732), 3, 1, 0; (14739), 3, 1, 0; (14816), 3, 1, 0; (14887), 3, 1, 0; (15153), 6, 2, 8; (15520), 3, 1, 0; (15522), 3, 1, 0; (16142), 3, 1, 0; (16143), 6, 2, 8; (16196), 3, 1, 0; (16453), 3, 1, 0; (16546), 6, 1, 0; (16552), 3, 1, 0; (16964), 3, 1, 0; (17192), 3, 1, 0; (18895), 3, 1, 0; (19514), 3, 1, 0; (19727), 3, 1, 0; (19744), 3, 1, 0; (19749), 3, 1, 0; (20971), 3, 1, 0; (21095), 3, 1, 0; (21240), 3, 1, 0; (21300), 3, 1, 0; (21382), 3, 1, 0; (21558), 3, 1, 0; (21589), 3, 1, 0; (21945), 3, 1, 0; (21946), 3, 1, 0; (22197), 3, 1, 0; (22306), 3, 1, 0; (22327), 3, 1, 0; (22359), 3, 1, 0; (22405), 3, 1, 0; (22525), 3, 1, 0; (22622), 3, 1, 0; (22656), 3, 1, 0; (22722), 3, 1, 0; (22742), 3, 1, 0; (22944), 3, 1, 0; (22949), 3, 1, 0; (22959), 3, 1, 0; (23036), 3, 1, 0; (23487), 2, 1, 0; (23492), 6, 2, 11; (23543), 3, 1, 0; (23561), 3, 1, 0; (23643), 3, 1, 0; (23716), 3, 1, 0; (23717), 3, 1, 0; (23758), 3, 1, 0; (23763), 3, 1, 0; (23766), 3, 1, 0; (23811), 3, 1, 0; (23832), 3, 1, 0; (23903), 6, 2, 11; (24059), 3, 1, 0; (24295), 3, 1, 0; (24303), 3, 1, 0; (24348), 6, 2, 3; (24382), 3, 1, 0; (24391), 3, 1, 0; (24557), 3, 1, 0; (24605), 3, 1, 0; (24639), 3, 1, 0; (24641), 3, 1, 0; (24688), 3, 1, 0; (24715), 3, 1, 0; (24726), 3, 1, 0; (24821), 6, 2, 3; (24833), 3, 1, 0; (25067), 3, 1, 0; (25069), 3, 1, 0; (25094), 6, 2, 2; (25139), 3, 1, 0; (25243), 3, 1, 0; (25459), 3, 1, 0; (25494), 3, 1, 0; (25625), 6, 2, 11; (25774), 3, 1, 0; (25802), 3, 1, 0; (25936), 3, 1, 0; (25969), 3, 1, 0; (26044), 3, 1, 0; (26625), 3, 1, 0; (26729), 3, 1, 0; (26740), 3, 1, 0; (26789), 3, 1, 0; (27295), 3, 1, 0; (28134), 3, 1, 0; (33818), 3, 1, 0; (33830), 3, 1, 0; (38026), 3, 1, 0; (39297), 3, 1, 0; (41358), 3, 1, 0; (42531), 3, 1, 0; (42651), 3, 1, 0; (42901), 3, 1, 0; *[1879, 505, 8*, 2002/08/01–2002/08/17]*

H35 Leavenworth

K. Strouhal, 20274 Seven Sisters Rd., Leavenworth, KS 66048, U.S.A. [kenstrouhal@aol.com]

0.3-m f/6.3 Schmidt-Cassegrain + CCD

USNO-SA2.0

(676), 6, 2, 22; (2093), 6, 2, 1; (5232), 6, 2, 29; *[18, 3, 0*, 2002/06/15–2002/07/14]*

H77 Buehler Observatory
A. Van Werven, 40 Commodore Drive, Plantation, FL 33325, U.S.A.
[zenpi314@attbi.com]
0.40-m f/6.3 Schmidt-Cassegrain + CCD
USNO-SA2.0, GSC-ACT
(439), 3, 1, 0; (1922), 3, 1, 0; (2145), 3, 1, 0; (2449), 3, 1, 0; (3895), 3, 1, 0; (3913), 3, 1, 0; (4167), 3, 1, 0; (5185), 3, 1, 0; (7585), 3, 1, 0; (18434), 3, 1, 0; (42609), 3, 1, 0; *[33, 11, 0∗, 2002/06/28–2002/07/20]*

J91 Alt Emporda Observatory, Figueres
C. Pineda F., Lasauca 18, E-17600 Figueres, Spain
[obs.alt-emporda@wanadoo.es]
0.25-m Schmidt-Cassegrain + CCD
USNO-SA2.0
(805), 8, 2, 6; *[8, 1, 0∗, 2002/06/15–2002/06/21]*

J93 Mount Tuffley Observatory, Gloucester
J. Fletcher, 54 Windsor Drive, Tuffley, Gloucester GL4 0QT, England
[jfmto@blueyonder.co.uk]
0.254m f/5.5 Schmidt-Cassegrain + CCD
USNO-A2.0
2002 LV, 12, 2, 1; 2002 NY_{40}, 8, 2, 3; (433), 9, 3, 35; (589), 6, 2, 7; (702), 6, 2, 1; (1264), 6, 2, 1; (1584), 6, 2, 3; (1656), 6, 2, 3; (1922), 12, 4, 44; (3093), 7, 2, 3; (3151), 3, 1, 0; (6009), 6, 2, 1; (6634), 3, 1, 0; (22306), 9, 3, 2; (43231), 3, 1, 0; *[102, 15, 0∗, 2002/07/03–2002/08/16]*

J94 Abbeydale
A. Cahill, Mount Abbeydale, 51 Fieldfare, Abbeydale, Gloucester, England
[alancahill@blueyonder.co.uk]
0.2-m f/6.4 Schmidt-Cassegrain + CCD
USNO-A2.0
(329), 6, 2, 1; (1139), 2, 1, 0; *[8, 2, 0∗, 2002/07/13–2002/07/14]*

J95 Great Shefford
P. Birtwhistle, Phlox Cottage, Wantage Road, Great Shefford, Berkshire RG17 7DA, England [peter@birtwhi.demon.co.uk]
0.3-m f/6.3 Schmidt-Cassegrain + CCD
USNO-SA2.0
1994 PQ_9, 3, 1, 0; 1997 GG_{17}, 3, 1, 0; 1999 NB_5, 6, 2, 20; 2002 JY_8, 4, 2, 4; 2002 JR_9, 3, 1, 0; 2002 LJ, 3, 1, 0; 2002 LV, 4, 2, 3; 2002 LS_{32}, 5, 2, 11; 2002 LQ_{50}, 4, 1, 0; 2002 MC, 7, 2, 15; 2002 MY, 3, 1, 0; 2002 MO_3, 3, 1, 0; 2002 MQ_3, 4, 2, 6; 2002 MR_3, 6, 2, 2; 2002 NX, 21, 7, 19; 2002 NN_4, 20, 7, 11; 2002 NT_7, 4, 1, 0; 2002 NV_{16}, 29, 9, 30; 2002 NW_{16}, 7, 2, 12; 2002 NA_{31}, 4, 1, 0; 2002 NY_{40}, 26, 6, 27; 2002 OM_4, 9, 3, 23; 2002 ON_4, 4, 1, 0; 2002 OS_4, 7, 2, 15; 2002 OX_{22}, 4, 1, 0; 2002 PB, 8, 2, 11; 2002 PN, 3, 1, 0; 2002 PR_1, 4, 1, 0; 2002 PM_6, 10, 3, 4; 2002 PC_{11}, 2, 1, 0; 2002 PZ_{39}, 4, 1, 0; 2002 PO_{75}, 7, 2, 2; 2002 PG_{80}, 2, 1, 0; 2002 PP_{113}, 2, 1, 0; 2002 PQ_{113}, 5, 1, 0; (2093), 3, 1, 0; (14109), 3, 1, 0; *[246, 37, 0∗, 2002/06/20–2002/08/16]*

J96 Aras
À. López G., Valencia Astronomical Observatory, Dr. Moliner 50, E-46100 Burjassot, Valencia, Spain [Alvaro.Lopez@uv.es]
Observers À. López G., A. Flores M., J. A. Morano F.
Measurers À. López G., J. A. Morano F., E. Cabezas R.
0.30-m f/10 refractor + CCD
GSC++
(46), 1, 1, 0; (776), 2, 1, 0; *[3, 2, 0∗, 2001/06/19]*

J99 Burjassot
À. López G., Valencia Astronomical Observatory, Dr. Moliner 50, E-46100 Burjassot, Valencia, Spain [Alvaro.Lopez@uv.es]
Observers À. López G., A. Flores M., J. A. Morano F.
Measurers À. López G., J. A. Morano F., E. Cabezas R.
0.30-m f/10 refractor + CCD
GSC++
(3), 2, 2, 20; (4), 5, 5, 21; (8), 1, 1, 0; (9), 1, 1, 0; (11), 6, 5, 21; (12), 1, 1, 0; (16), 1, 1, 0; (19), 2, 2, 63; (21), 1, 1, 0; (22), 2, 2, 10; (23), 3, 3, 17; (24), 2, 2, 7; (27), 1, 1, 0; (28), 2, 2, 20; (36), 1, 1, 0; (39), 3, 2, 17; (40), 3, 3, 17; (48), 3, 3, 17; (51), 1, 1, 0; (60), 3, 2, 17; (88), 1, 1, 0; (89), 1, 1, 0; (92), 1, 1, 0; (95), 1, 1, 0; (103), 1, 1, 0; (111), 1, 1, 0; (116), 2, 2, 2; (124), 1, 1, 0; (144), 1, 1, 0; (192), 1, 1, 0; (211), 6, 5, 21; (270), 2, 2, 15; (324), 1, 1, 0; (405), 1, 1, 0; (446), 1, 1, 0; (451), 4, 3, 15; (488), 1, 1, 0; (509), 1, 1, 0; (563), 4, 3, 15; (712), 2, 2, 15; *[78, 40, 0∗, 2001/11/13–2002/05/14]*

ORBITAL ELEMENTS

Orbital elements have been computed and identifications found by the following contributors:

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C/2001 C7 (SOHO)

				MPC	
T	2001 Feb. 11.67 TT				
q	0.0350		(2000.0)	**P**	**Q**
		ω	54.23	+0.15118	−0.60237
		Ω	54.75	+0.24900	−0.74411
e	1.0	i	73.68	+0.95663	+0.28888

From 8 observations 2001 Feb. 11.

C/2001 D1 (SOHO)

				MPC	
T	2001 Feb. 19.01 TT				
q	0.0326		(2000.0)	**P**	**Q**
		ω	213.99	+0.88232	−0.46985
		Ω	173.84	+0.46821	+0.87038
e	1.0	i	14.75	+0.04781	+0.14720

From 16 observations 2001 Feb. 18.

C/2001 K11 (SOHO)
T 2001 May 16.85 TT MPC
q 0.0339 (2000.0) **P** **Q**
ω 57.26 −0.08865 −0.39893
Ω 73.28 +0.22361 −0.90088
e 1.0 i 72.36 +0.97064 +0.17110
From 17 observations 2001 May 16.

C/2001 L10 (SOHO)
T 2001 June 1.47 TT MPC
q 0.0355 (2000.0) **P** **Q**
ω 57.72 −0.09157 −0.41556
Ω 72.40 +0.22146 −0.89450
e 1.0 i 71.70 +0.97086 +0.16484
From 11 observations 2001 June 1.

C/2001 L11 (SOHO)
T 2001 June 8.59 TT MPC
q 0.0050 (2000.0) **P** **Q**
ω 80.75 +0.17550 −0.98442
Ω 1.06 −0.96233 −0.17384
e 1.0 i 144.49 +0.20767 +0.02637
From 10 observations 2001 June 8.

C/2001 Q4 (NEAT)
Epoch 2004 June 4.0 TT = JDT 2453160.5
T 2004 May 15.8907 TT MPC
q 0.961851 (2000.0) **P** **Q**
z −0.000825 ω 1.2047 −0.8651673 −0.0662851
±0.000029 Ω 210.2788 −0.4679535 −0.2496516
e 1.000794 i 99.6431 −0.1802914 +0.9660644
From 130 observations 2001 Aug. 24–2002 Aug. 12, mean residual 0″.7.

C/2001 Q8 (SOHO)
T 2001 Aug. 24.81 TT MPC
q 0.0451 (2000.0) **P** **Q**
ω 56.22 −0.17532 −0.97154
Ω 44.76 +0.81185 −0.23420
e 1.0 i 13.07 +0.55692 +0.03555
From 11 observations 2001 Aug. 24–25.

C/2001 R7 (SOHO)
T 2001 Sept. 12.80 TT MPC
q 0.0372 (2000.0) **P** **Q**
ω 57.36 −0.19013 −0.21955
Ω 85.28 +0.18926 −0.96459
e 1.0 i 73.77 +0.96334 +0.14618
From 7 observations 2001 Sept. 12.

C/2001 R8 (SOHO)
T 2001 Sept. 6.67 TT MPC
q 0.0437 (2000.0) **P** **Q**
ω 59.63 −0.18867 −0.96929
Ω 42.19 +0.80101 −0.24482
e 1.0 i 13.58 +0.56814 +0.02329
From 11 observations 2001 Sept. 6.

C/2001 R9 (SOHO)
T 2001 Sept. 7.32 TT MPC
q 0.0472 (2000.0) **P** **Q**
ω 53.31 −0.19725 −0.96676
Ω 48.90 +0.81643 −0.25387
e 1.0 i 12.47 +0.54271 +0.03055
From 5 observations 2001 Sept. 7.

C/2001 V6 (SOHO)
T 2001 Nov. 2.48 TT MPC
q 0.0374 (2000.0) **P** **Q**
ω 54.87 −0.10933 −0.42140
Ω 73.64 +0.27450 −0.88327
e 1.0 i 69.76 +0.95535 +0.20556
From 8 observations 2001 Nov. 2.

C/2001 X10 (SOHO)
T 2001 Dec. 15.55 TT MPC
q 0.0360 (2000.0) **P** **Q**
ω 56.74 −0.07546 −0.38334
Ω 73.79 +0.22526 −0.90584
e 1.0 i 73.46 +0.97137 +0.18029
From 9 observations 2001 Dec. 15.

C/2002 H7 (SOHO)
T 2002 Apr. 24.37 TT MPC
q 0.0058 (2000.0) **P** **Q**
ω 87.71 +0.12228 −0.99086
Ω 5.76 −0.97293 −0.13101
e 1.0 i 145.43 +0.19609 −0.03211
From 10 observations 2002 Apr. 23–24.

C/2002 H8 (SOHO)
T 2002 Apr. 20.97 TT MPC
q 0.0336 (2000.0) **P** **Q**
ω 55.83 −0.12272 −0.42221
Ω 73.71 +0.26175 −0.88672
e 1.0 i 69.34 +0.95730 +0.18833
From 9 observations 2002 Apr. 20.

P/2002 JN$_{16}$ (LINEAR)
Epoch 2002 July 25.0 TT = JDT 2452480.5
T 2002 July 27.5942 TT MPC
q 1.790602 (2000.0) **P** **Q**
n 0.1515184 ω 39.6268 −0.0148403 +0.9883070
a 3.484650 Ω 230.0771 −0.9602449 −0.0563994
e 0.486146 i 11.4128 −0.2787643 +0.1416626
P 6.50
From 147 observations 2002 May 9–Aug. 11, mean residual 0″.6.

C/2002 K1 (NEAT)
T 2002 June 16.4290 TT MPC
q 3.230373 (2000.0) **P** **Q**
ω 4.4548 +0.1828867 −0.0095205
Ω 280.5488 −0.9300846 −0.3257087
e 1.0 i 89.7253 −0.3185830 +0.9454222
From 55 observations 2002 May 16–Aug. 12.

C/2002 K4 (NEAT)
T 2002 July 12.9782 TT MPC
q 2.764530 (2000.0) **P** **Q**
n 0.0134229 ω 24.4331 +0.5387040 −0.3059863
a 17.534975 Ω 308.0992 −0.8380576 −0.0991195
e 0.842342 i 94.0631 +0.0863570 +0.9468620
P 73.4
From 182 observations 2002 May 27–Aug. 13.

C/2002 K8 (SOHO)
T 2002 May 26.08 TT MPC
q 0.0050 (2000.0) **P** **Q**
ω 91.17 +0.19376 −0.96662
Ω 15.75 −0.94504 −0.22978
e 1.0 i 141.85 +0.26336 −0.11338
From 8 observations 2002 May 25.

C/2002 K9 (SOHO)
T 2002 May 26.45 TT MPC
q 0.0056 (2000.0) **P** **Q**
ω 91.51 +0.18310 −0.97069
Ω 15.08 −0.95377 −0.21379
e 1.0 i 143.26 +0.23830 −0.10982
From 8 observations 2002 May 25–26.

C/2002 K10 (SOHO)
T 2002 May 31.44 TT MPC
q 0.0053 (2000.0) **P** **Q**
ω 92.21 +0.19339 −0.96334
Ω 17.22 −0.94152 −0.23553
e 1.0 i 141.09 +0.27594 −0.12850
From 8 observations 2002 May 30–31.

C/2002 L9 (NEAT)
T 2004 Apr. 6.9230 TT MPC
q 7.026402 (2000.0) **P** **Q**
ω 231.5393 +0.4871399 −0.0595240
Ω 110.4628 −0.1526498 +0.9765122
e 1.0 i 68.4309 −0.8598795 −0.2070766
From 48 observations 2002 June 6–Aug. 7.

C/2002 M8 (SOHO)
T 2002 June 16.84 TT MPC
q 0.0057 (2000.0) **P** **Q**
ω 89.69 +0.10413 −0.98931
Ω 8.17 −0.91679 −0.13528
e 1.0 i 134.08 +0.38554 −0.05447
From 11 observations 2002 June 16.

C/2002 N1 (SOHO)
T 2002 July 9.02 TT MPC
q 0.0053 (2000.0) **P** **Q**
ω 100.02 +0.07914 −0.96926
Ω 19.83 −0.94093 −0.14982
e 1.0 i 136.62 +0.32923 −0.19518
From 6 observations 2002 July 8.

C/2002 O1 (SOHO)
T 2002 July 17.83 TT MPC
q 0.0052 (2000.0) **P** **Q**
ω 80.05 +0.18617 −0.98247
Ω 0.95 −0.96143 −0.18418
e 1.0 i 144.77 +0.20246 +0.02880
From 19 observations 2002 July 16–17.

C/2002 O2 (SOHO)
T 2002 July 17.95 TT MPC
q 0.0049 (2000.0) **P** **Q**
ω 89.46 +0.17671 −0.97710
Ω 11.84 −0.96099 −0.19730
e 1.0 i 144.72 +0.21278 −0.07962
From 25 observations 2002 July 16–17.

C/2002 O3 (SOHO)
T 2002 July 17.59 TT MPC
q 0.0048 (2000.0) **P** **Q**
ω 82.01 +0.19220 −0.98059
Ω 3.81 −0.95789 −0.19602
e 1.0 i 144.38 +0.21332 +0.00330
From 8 observations 2002 July 16–17.

C/2002 O4 (Hönig)
T 2002 Oct. 2.0044 TT MPC
q 0.775856 (2000.0) **P** **Q**
ω 105.9774 −0.0383783 −0.7977400
Ω 321.0311 −0.0078845 +0.6024457
e 1.0 i 73.1127 +0.9992322 −0.0258858
From 645 observations 2002 July 27–Aug. 15.

P/2002 O5 (NEAT)

				MPC	
T	2002 Aug. 3.1125 TT		(2000.0)	**P**	**Q**
q	1.173961	ω	15.3156	+0.4462394	+0.8276989
n	0.1989492	Ω	282.2259	−0.8533014	+0.2789360
a	2.906083	i	20.3753	−0.2697165	+0.4869387
e	0.596033				
P	4.95				

From 192 observations 2002 July 30–Aug. 14.

C/2002 O6 (SWAN)

				MPC	
T	2002 Sept. 9.4184 TT		(2000.0)	**P**	**Q**
q	0.494689	ω	78.6985	+0.4189919	−0.8078674
		Ω	330.9638	−0.0110728	+0.4519038
e	1.0	i	58.6457	+0.9079225	+0.3783294

From 125 observations 2002 Aug. 1–12.

C/2002 O7 (LINEAR)

				MPC	
T	2003 Sept. 20.3220 TT		(2000.0)	**P**	**Q**
q	0.885212	ω	252.5301	−0.3250249	+0.9203555
		Ω	12.7147	+0.4451839	+0.3518089
e	1.0	i	98.8174	−0.8343681	−0.1708105

From 54 observations 2002 July 29–Aug. 13.

P/2002 O8 (NEAT)

Epoch 2002 May 6.0 TT = JDT 2452400.5

				MPC	
T	2002 May 8.5776 TT		(2000.0)	**P**	**Q**
q	3.229438	ω	222.2740	+0.4498646	+0.8670148
n	0.1216797	Ω	75.5018	−0.7487204	+0.4969100
a	4.033271	i	12.7858	−0.4868671	+0.0369559
e	0.199301				
P	8.10				

From 56 observations 2001 May 22–2002 Aug. 14, mean residual 0″.4.

C/2002 P1 (NEAT)

				MPC	
T	2001 Aug. 21.8323 TT		(2000.0)	**P**	**Q**
q	6.772293	ω	341.2115	+0.4425763	+0.7641857
		Ω	311.6914	−0.7210120	−0.0078438
e	1.0	i	38.9270	−0.5331679	+0.6449486

From 31 observations 2002 Aug. 7–15.

C/2002 P2 (SOHO)

				MPC	
T	2002 Aug. 11.41 TT		(2000.0)	**P**	**Q**
q	0.0049	ω	85.75	+0.16319	−0.98442
		Ω	6.38	−0.96073	−0.17367
e	1.0	i	143.87	+0.22441	−0.02764

From 13 observations 2002 Aug. 10–11.

C/2002 P3 (SOHO)

				MPC	
T	2002 Aug. 12.67 TT		(2000.0)	**P**	**Q**
q	0.0359	ω	56.57	−0.09021	−0.35324
		Ω	75.81	+0.22343	−0.91833
e	1.0	i	73.84	+0.97054	+0.17858

From 11 observations 2002 Aug. 12.

Neptune II (Nereid)

Epoch 2002 May 6.0 TT = JDT 2452400.5

						MPC	
M	351.08221			(2000.0)		**P**	**Q**
n	0.99968204	ω	296.37335			−0.23136877	+0.97121732
a	0.0368584	Ω	320.11680			−0.85816583	−0.23115822
e	0.7433042	i	5.06547			−0.45827929	−0.05746991
P	360.11 d	H	4.4	G	0.15		

From 259 observations 1949 May 1–2002 Aug. 8, mean residual 0″.51.

SUMMARY OF NEW NUMBERINGS

The following summary of new numberings of minor planets lists for each object the number, principal provisional designation, date of discovery, observatory code of the discovery site and the names of the discoverers. A separate table lists orbital elements and absolute magnitudes (the slope parameter G being 0.15 in every case). Further details, including additional identifications and residuals, are given in the *Minor Planet Circulars Orbit Supplement*.

(43722)	1968 OB	1968 07 18	805	Torres, C., Cofre, S.
(43723)	1975 SZ_1	1975 09 30	675	Bus, S. J.
(43724)	1975 UY	1975 10 29	033	Börngen, F., Kirsch, K., Mau, K.-H.
(43725)	1978 RK_9	1978 09 02	809	Lagerkvist, C.-I.
(43726)	1978 UJ_5	1978 10 27	675	Olmstead, C. M.
(43727)	1979 MQ_2	1979 06 25	413	Helin, E. F., Bus, S. J.
(43728)	1979 MA_3	1979 06 25	413	Helin, E. F., Bus, S. J.
(43729)	1979 MS_3	1979 06 25	413	Helin, E. F., Bus, S. J.
(43730)	1979 MK_4	1979 06 25	413	Helin, E. F., Bus, S. J.
(43731)	1979 ML_5	1979 06 25	413	Helin, E. F., Bus, S. J.
(43732)	1979 MO_7	1979 06 25	413	Helin, E. F., Bus, S. J.
(43733)	1979 MV_7	1979 06 25	413	Helin, E. F., Bus, S. J.
(43734)	1979 MY_7	1979 06 25	413	Helin, E. F., Bus, S. J.
(43735)	1981 DQ_1	1981 02 28	413	Bus, S. J.
(43736)	1981 DL_2	1981 02 28	413	Bus, S. J.
(43737)	1981 EU_3	1981 03 02	413	Bus, S. J.
(43738)	1981 ED_6	1981 03 07	413	Bus, S. J.
(43739)	1981 EP_7	1981 03 01	413	Bus, S. J.
(43740)	1981 EM_9	1981 03 01	413	Bus, S. J.
(43741)	1981 ES_{10}	1981 03 01	413	Bus, S. J.
(43742)	1981 EX_{12}	1981 03 01	413	Bus, S. J.
(43743)	1981 EK_{16}	1981 03 01	413	Bus, S. J.
(43744)	1981 EX_{17}	1981 03 02	413	Bus, S. J.
(43745)	1981 EN_{22}	1981 03 02	413	Bus, S. J.
(43746)	1981 EH_{31}	1981 03 02	413	Bus, S. J.
(43747)	1981 EX_{31}	1981 03 02	413	Bus, S. J.
(43748)	1981 ET_{37}	1981 03 01	413	Bus, S. J.

(43749)	1981 EG_{46}	1981 03 02	413	Bus, S. J.
(43750)	1981 QG_{3}	1981 08 25	809	Debehogne, H.
(43751)	1982 UD_{4}	1982 10 19	033	Tautenburg
(43752)	1982 US_{5}	1982 10 20	095	Karachkina, L. G.
(43753)	1982 VN_{3}	1982 11 14	381	Kosai, H., Hurukawa, K.
(43754)	1983 AA	1983 01 09	688	Skiff, B. A.
(43755)	1983 RJ_{1}	1983 09 05	801	Oak Ridge Observatory
(43756)	1984 CE	1984 02 10	675	Gibson, J.
(43757)	1984 DB_{1}	1984 02 27	809	Debehogne, H.
(43758)	1985 QY_{2}	1985 08 17	675	Helin, E. F.
(43759)	1986 QW_{2}	1986 08 28	809	Debehogne, H.
(43760)	1986 QD_{3}	1986 08 29	809	Debehogne, H.
(43761)	1986 QQ_{3}	1986 08 29	809	Debehogne, H.
(43762)	1986 WC_{1}	1986 11 25	046	Vávrová, Z.
(43763)	1987 KF_{1}	1987 05 30	675	Shoemaker, C. S.
(43764)	1988 BL_{5}	1988 01 28	413	McNaught, R. H.
(43765)	1988 CF_{4}	1988 02 13	809	Elst, E. W.
(43766)	1988 CR_{4}	1988 02 13	809	Elst, E. W.
(43767)	1988 CP_{5}	1988 02 13	809	Elst, E. W.
(43768)	1988 CH_{7}	1988 02 15	809	Elst, E. W.
(43769)	1988 EK	1988 03 10	675	Alu, J.
(43770)	1988 EX_{1}	1988 03 13	054	Jensen, P.
(43771)	1988 TJ	1988 10 03	399	Ueda, S., Kaneda, H.
(43772)	1988 TV_{1}	1988 10 13	399	Ueda, S., Kaneda, H.
(43773)	1989 AJ	1989 01 04	875	Arai, M., Mori, H.
(43774)	1989 CO_{2}	1989 02 04	809	Elst, E. W.
(43775)	1989 CA_{6}	1989 02 02	033	Börngen, F.
(43776)	1989 GP_{2}	1989 04 03	809	Elst, E. W.
(43777)	1989 RK_{1}	1989 09 03	511	Elst, E. W.
(43778)	1989 SY_{3}	1989 09 26	809	Elst, E. W.
(43779)	1989 SQ_{5}	1989 09 26	809	Elst, E. W.
(43780)	1989 SL_{8}	1989 09 23	809	Debehogne, H.
(43781)	1989 TB_{3}	1989 10 07	809	Elst, E. W.
(43782)	1989 US_{2}	1989 10 29	877	Hioki, T., Kawasato, N.
(43783)	1989 UX_{7}	1989 10 24	095	Chernykh, L. I.
(43784)	1989 XR_{1}	1989 12 02	809	Elst, E. W.
(43785)	1989 YC_{6}	1989 12 29	511	Elst, E. W.
(43786)	1990 QA_{8}	1990 08 16	809	Elst, E. W.
(43787)	1990 QR_{8}	1990 08 16	809	Elst, E. W.
(43788)	1990 RB_{3}	1990 09 14	675	Holt, H. E.
(43789)	1990 SN_{9}	1990 09 22	809	Elst, E. W.
(43790)	1990 TY_{3}	1990 10 12	033	Börngen, F., Schmadel, L. D.
(43791)	1990 UK_{5}	1990 10 16	809	Elst, E. W.
(43792)	1990 VY_{1}	1990 11 11	372	Seki, T.
(43793)	1990 VK_{7}	1990 11 13	675	Shoemaker, C. S.
(43794)	1990 YP	1990 12 19	372	Seki, T.
(43795)	1991 AK_{1}	1991 01 15	889	Inoda, S., Urata, T.
(43796)	1991 AS_{1}	1991 01 14	675	Helin, E. F.
(43797)	1991 AF_{2}	1991 01 07	413	McNaught, R. H.
(43798)	1991 GW_{8}	1991 04 08	809	Elst, E. W.
(43799)	1991 PZ_{10}	1991 08 07	675	Holt, H. E.
(43800)	1991 PP_{13}	1991 08 05	675	Holt, H. E.
(43801)	1991 PL_{15}	1991 08 08	675	Holt, H. E.
(43802)	1991 PY_{18}	1991 08 10	675	Holt, H. E.
(43803)	1991 RH_{2}	1991 09 07	372	Seki, T.
(43804)	1991 RL_{4}	1991 09 10	033	Börngen, F., Schmadel, L. D.
(43805)	1991 RQ_{5}	1991 09 13	675	Holt, H. E.
(43806)	1991 RG_{7}	1991 09 13	033	Börngen, F., Schmadel, L. D.
(43807)	1991 RC_{11}	1991 09 13	675	Holt, H. E.
(43808)	1991 RF_{11}	1991 09 13	675	Holt, H. E.
(43809)	1991 RE_{14}	1991 09 13	675	Holt, H. E.
(43810)	1991 RJ_{20}	1991 09 14	675	Holt, H. E.
(43811)	1991 RA_{24}	1991 09 11	675	Holt, H. E.
(43812)	1991 RJ_{29}	1991 09 13	675	Holt, H. E.
(43813)	1991 TQ_{2}	1991 10 07	033	Börngen, F., Schmadel, L. D.
(43814)	1991 UE_{1}	1991 10 18	399	Ueda, S., Kaneda, H.
(43815)	1991 VD_{4}	1991 11 03	675	Helin, E. F.
(43816)	1992 CN_{2}	1992 02 02	809	Elst, E. W.
(43817)	1992 EF_{22}	1992 03 01	809	UESAC
(43818)	1992 ET_{32}	1992 03 02	809	UESAC
(43819)	1992 LL	1992 06 03	675	Leonard, G. J.
(43820)	1992 PP_{1}	1992 08 08	010	Elst, E. W.
(43821)	1992 RL_{3}	1992 09 02	809	Elst, E. W.
(43822)	1992 RP_{5}	1992 09 02	809	Elst, E. W.
(43823)	1992 SV_{24}	1992 09 29	675	Holt, H. E.
(43824)	1992 SY_{24}	1992 09 30	675	Holt, H. E.
(43825)	1992 UJ_{5}	1992 10 25	877	Hioki, T., Hayakawa, S.
(43826)	1992 UC_{6}	1992 10 28	399	Ueda, S., Kaneda, H.
(43827)	1993 BV_{5}	1993 01 27	010	Elst, E. W.
(43828)	1993 FB_{5}	1993 03 17	809	UESAC
(43829)	1993 FB_{19}	1993 03 17	809	UESAC
(43830)	1993 FZ_{21}	1993 03 21	809	UESAC
(43831)	1993 FP_{29}	1993 03 21	809	UESAC
(43832)	1993 FA_{33}	1993 03 19	809	UESAC
(43833)	1993 FF_{34}	1993 03 19	809	UESAC
(43834)	1993 FC_{45}	1993 03 19	809	UESAC
(43835)	1993 FM_{45}	1993 03 19	809	UESAC
(43836)	1993 FX_{45}	1993 03 19	809	UESAC
(43837)	1993 FN_{49}	1993 03 19	809	UESAC
(43838)	1993 FW_{49}	1993 03 19	809	UESAC
(43839)	1993 FC_{60}	1993 03 19	809	UESAC
(43840)	1993 FE_{76}	1993 03 21	809	UESAC
(43841)	1993 HB	1993 04 17	589	Vagnozzi, A.
(43842)	1993 MR	1993 06 26	595	Farra d'Isonzo
(43843)	1993 NC_{2}	1993 07 12	809	Elst, E. W.
(43844)	1993 OX_{2}	1993 07 25	664	Hammergren, M.
(43845)	1993 OS_{9}	1993 07 20	809	Elst, E. W.
(43846)	1993 PV_{8}	1993 08 15	010	Elst, E. W., Pollas, C.
(43847)	1993 QQ_{5}	1993 08 17	010	Elst, E. W.
(43848)	1993 QP_{9}	1993 08 20	809	Elst, E. W.
(43849)	1993 RB_{11}	1993 09 14	809	Debehogne, H., Elst, E. W.
(43850)	1993 SB_{14}	1993 09 16	809	Debehogne, H., Elst, E. W.
(43851)	1993 TL_{1}	1993 10 15	400	Endate, K., Watanabe, K.
(43852)	1993 TH_{28}	1993 10 09	809	Elst, E. W.

(43853)	1993 TM_{29}	1993 10 09	809	Elst, E. W.
(43854)	1993 TO_{31}	1993 10 09	809	Elst, E. W.
(43855)	1993 TX_{36}	1993 10 09	809	Elst, E. W.
(43856)	1993 UV_4	1993 10 20	809	Elst, E. W.
(43857)	1993 VP_2	1993 11 15	372	Seki, T.
(43858)	1994 AT	1994 01 04	411	Kobayashi, T.
(43859)	1994 AN_{15}	1994 01 09	411	Kobayashi, T., Fujii, H.
(43860)	1994 CQ_9	1994 02 07	809	Elst, E. W.
(43861)	1994 CT_{13}	1994 02 08	809	Elst, E. W.
(43862)	1994 EK_1	1994 03 06	411	Kobayashi, T.
(43863)	1994 EU_6	1994 03 09	010	Elst, E. W.
(43864)	1994 GM_3	1994 04 06	691	Spacewatch
(43865)	1994 PX_9	1994 08 10	809	Elst, E. W.
(43866)	1994 PG_{19}	1994 08 12	809	Elst, E. W.
(43867)	1994 PO_{28}	1994 08 12	809	Elst, E. W.
(43868)	1994 PL_{35}	1994 08 10	809	Elst, E. W.
(43869)	1994 RD_{11}	1994 09 10	413	McNaught, R. H.
(43870)	1994 TX	1994 10 02	400	Endate, K., Watanabe, K.
(43871)	1994 TW_{15}	1994 10 13	560	Madonna di Dossobuono
(43872)	1994 UL_9	1994 10 28	691	Spacewatch
(43873)	1994 VD	1994 11 01	411	Kobayashi, T.
(43874)	1994 VZ_6	1994 11 07	399	Ueda, S., Kaneda, H.
(43875)	1994 WT_3	1994 11 24	894	Otomo, S.
(43876)	1994 XV_4	1994 12 09	411	Kobayashi, T.
(43877)	1995 BP_{11}	1995 01 29	691	Spacewatch
(43878)	1995 BS_{11}	1995 01 29	691	Spacewatch
(43879)	1995 CN_6	1995 02 01	691	Spacewatch
(43880)	1995 CX_7	1995 02 02	691	Spacewatch
(43881)	1995 DA_{13}	1995 02 25	098	Cima Ekar
(43882)	1995 EM_1	1995 03 07	104	Tesi, L., Boattini, A.
(43883)	1995 EK_2	1995 03 01	691	Spacewatch
(43884)	1995 FZ_7	1995 03 25	691	Spacewatch
(43885)	1995 FJ_9	1995 03 26	691	Spacewatch
(43886)	1995 GR_7	1995 04 03	327	BAO Schmidt CCD Asteroid Program
(43887)	1995 OS_4	1995 07 22	691	Spacewatch
(43888)	1995 OV_8	1995 07 27	691	Spacewatch
(43889)	1995 QH	1995 08 17	358	Okuni, T.
(43890)	1995 QT_3	1995 08 31	552	Colombini, E.
(43891)	1995 SQ_1	1995 09 21	693	Spahr, T. B.
(43892)	1995 SG_{21}	1995 09 19	691	Spacewatch
(43893)	1995 ST_{32}	1995 09 21	691	Spacewatch
(43894)	1995 TP	1995 10 12	817	di Cicco, D.
(43895)	1995 UC_4	1995 10 20	411	Kobayashi, T.
(43896)	1995 UL_4	1995 10 20	411	Kobayashi, T.
(43897)	1995 VC	1995 11 01	411	Kobayashi, T.
(43898)	1995 VN	1995 11 02	411	Kobayashi, T.
(43899)	1995 VH_1	1995 11 15	400	Endate, K., Watanabe, K.
(43900)	1995 VH_2	1995 11 13	905	Shimizu, Y., Urata, T.
(43901)	1995 VX_2	1995 11 14	691	Spacewatch
(43902)	1995 VX_4	1995 11 14	691	Spacewatch
(43903)	1995 WC	1995 11 16	411	Kobayashi, T.
(43904)	1995 WO	1995 11 16	385	Urata, T.
(43905)	1995 WC_1	1995 11 16	399	Ueda, S., Kaneda, H.
(43906)	1995 WK_4	1995 11 20	411	Kobayashi, T.
(43907)	1995 WX_4	1995 11 20	411	Kobayashi, T.
(43908)	1995 WE_7	1995 11 21	358	Okuni, T.
(43909)	1995 WB_9	1995 11 28	905	Shimizu, Y., Urata, T.
(43910)	1995 WA_{20}	1995 11 17	691	Spacewatch
(43911)	1995 WF_{22}	1995 11 17	691	Spacewatch
(43912)	1995 WR_{34}	1995 11 20	691	Spacewatch
(43913)	1995 YT	1995 12 17	411	Kobayashi, T.
(43914)	1995 YC_2	1995 12 19	411	Kobayashi, T.
(43915)	1995 YT_7	1995 12 16	691	Spacewatch
(43916)	1996 AP_2	1996 01 13	411	Kobayashi, T.
(43917)	1996 AM_{16}	1996 01 13	691	Spacewatch
(43918)	1996 AE_{18}	1996 01 13	691	Spacewatch
(43919)	1996 BG_3	1996 01 18	369	Sato, N., Urata, T.
(43920)	1996 CJ_2	1996 02 12	399	Ueda, S., Kaneda, H.
(43921)	1996 CW_3	1996 02 10	691	Spacewatch
(43922)	1996 CE_5	1996 02 10	691	Spacewatch
(43923)	1996 CX_8	1996 02 14	098	Munari, U., Tombelli, M.
(43924)	1996 DV_1	1996 02 22	589	Vagnozzi, A.
(43925)	1996 DB_3	1996 02 27	118	Kolény, P., Kornoš, L.
(43926)	1996 EL_1	1996 03 10	400	Endate, K., Watanabe, K.
(43927)	1996 GN_4	1996 04 11	691	Spacewatch
(43928)	1996 HE_{13}	1996 04 17	809	Elst, E. W.
(43929)	1996 JO_9	1996 05 13	691	Spacewatch
(43930)	1996 LR_3	1996 06 15	691	Spacewatch
(43931)	1996 PR_9	1996 08 09	358	Okuni, T.
(43932)	1996 QH	1996 08 16	566	JPL/GEODSS NEAT
(43933)	1996 RX_9	1996 09 07	691	Spacewatch
(43934)	1996 TC	1996 10 01	817	di Cicco, D.
(43935)	1996 TF	1996 10 01	596	Casulli, V. S.
(43936)	1996 TM_{11}	1996 10 11	400	Endate, K.
(43937)	1996 TS_{25}	1996 10 06	691	Spacewatch
(43938)	1996 TH_{51}	1996 10 05	809	Elst, E. W.
(43939)	1996 TT_{53}	1996 10 05	809	Elst, E. W.
(43940)	1996 XY_5	1996 12 07	411	Kobayashi, T.
(43941)	1996 YP	1996 12 20	411	Kobayashi, T.
(43942)	1996 YX	1996 12 20	411	Kobayashi, T.
(43943)	1997 AV	1997 01 02	411	Kobayashi, T.
(43944)	1997 AW_1	1997 01 03	411	Kobayashi, T.
(43945)	1997 AS_2	1997 01 03	411	Kobayashi, T.
(43946)	1997 AR_6	1997 01 07	385	Urata, T.
(43947)	1997 AE_7	1997 01 09	411	Kobayashi, T.
(43948)	1997 AU_{12}	1997 01 10	411	Kobayashi, T.
(43949)	1997 AU_{18}	1997 01 09	369	Sato, N.
(43950)	1997 BG_1	1997 01 28	411	Kobayashi, T.
(43951)	1997 BC_5	1997 01 31	691	Spacewatch
(43952)	1997 BG_7	1997 01 28	327	BAO Schmidt CCD Asteroid Program
(43953)	1997 CB_1	1997 02 01	411	Kobayashi, T.
(43954)	1997 CT_5	1997 02 07	046	Kleť
(43955)	1997 CE_6	1997 02 06	540	Linz
(43956)	1997 CD_7	1997 02 07	587	Sicoli, P., Manca, F.

(43957)	1997 CL_{13}	1997 02 07	587	Sicoli, P., Manca, F.
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(43960)	1997 CE_{27}	1997 02 01	691	Spacewatch
(43961)	1997 ER_{5}	1997 03 04	691	Spacewatch
(43962)	1997 EX_{13}	1997 03 03	691	Spacewatch
(43963)	1997 EW_{14}	1997 03 04	691	Spacewatch
(43964)	1997 EF_{23}	1997 03 07	327	BAO Schmidt CCD Asteroid Program
(43965)	1997 EO_{32}	1997 03 11	691	Spacewatch
(43966)	1997 EM_{36}	1997 03 04	704	LINEAR
(43967)	1997 FM_{2}	1997 03 31	704	LINEAR
(43968)	1997 FA_{5}	1997 03 31	704	LINEAR
(43969)	1997 GL	1997 04 04	566	JPL/GEODSS NEAT
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(43972)	1997 GM_{6}	1997 04 02	704	LINEAR
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(43980)	1997 GR_{20}	1997 04 06	704	LINEAR
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(43982)	1997 GA_{32}	1997 04 15	327	BAO Schmidt CCD Asteroid Program
(43983)	1997 GR_{35}	1997 04 06	704	LINEAR
(43984)	1997 HR_{7}	1997 04 30	704	LINEAR
(43985)	1997 HQ_{8}	1997 04 30	704	LINEAR
(43986)	1997 HF_{9}	1997 04 30	704	LINEAR
(43987)	1997 JR_{9}	1997 05 06	691	Spacewatch
(43988)	1997 KQ_{3}	1997 05 31	691	Spacewatch
(43989)	1997 LG_{4}	1997 06 09	824	Williams, K. A.
(43990)	1997 LN_{4}	1997 06 07	691	Spacewatch
(43991)	1997 MF_{10}	1997 06 28	691	Spacewatch
(43992)	1997 NP	1997 07 01	691	Spacewatch
(43993)	1997 OK	1997 07 26	587	Sicoli, P., Testa, A.
(43994)	1997 PF_{3}	1997 08 11	118	Galád, A., Pravda, A.
(43995)	1997 PY_{5}	1997 08 14	608	AMOS
(43996)	1997 QH	1997 08 22	367	Abe, H.
(43997)	1997 QX	1997 08 29	709	Offutt, W.
(43998)	1997 QB_{3}	1997 08 28	358	Okuni, T.
(43999)	1997 QC_{3}	1997 08 31	610	Goretti, V.
(44000)	1997 RB	1997 09 01	046	Moravec, Z.
(44001)	1997 RE_{3}	1997 09 06	122	Pises
(44002)	1997 ST_{1}	1997 09 23	684	Comba, P. G.
(44003)	1997 SZ_{2}	1997 09 23	595	Farra d'Isonzo
(44004)	1997 SS_{3}	1997 09 25	816	Viscome, G. R.
(44005)	1997 SY_{3}	1997 09 25	610	Goretti, V.
(44006)	1997 TF_{17}	1997 10 06	905	Shimizu, Y., Urata, T.
(44007)	1997 TA_{25}	1997 10 07	824	Williams, K. A.
(44008)	1997 TN_{25}	1997 10 11	327	BAO Schmidt CCD Asteroid Program
(44009)	1997 TB_{26}	1997 10 11	327	BAO Schmidt CCD Asteroid Program
(44010)	1997 UH_{11}	1997 10 29	566	JPL/GEODSS NEAT
(44011)	1997 UH_{15}	1997 10 29	358	Okuni, T.
(44012)	1997 UL_{22}	1997 10 26	369	Sato, N.
(44013)	1997 VB_{7}	1997 11 01	358	Okuni, T.
(44014)	1997 WT_{1}	1997 11 19	411	Kobayashi, T.
(44015)	1997 WD_{10}	1997 11 21	691	Spacewatch
(44016)	1997 WQ_{28}	1997 11 30	960	Armstrong, M., Armstrong, C.
(44017)	1997 WV_{35}	1997 11 29	704	LINEAR
(44018)	1997 WL_{36}	1997 11 29	704	LINEAR
(44019)	1997 WO_{39}	1997 11 29	704	LINEAR
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(44021)	1997 WU_{39}	1997 11 29	704	LINEAR
(44022)	1997 WB_{43}	1997 11 29	704	LINEAR
(44023)	1997 WO_{46}	1997 11 26	704	LINEAR
(44024)	1997 WP_{47}	1997 11 19	327	BAO Schmidt CCD Asteroid Program
(44025)	1997 XY_{11}	1997 12 06	292	Handley, T.
(44026)	1997 YD_{11}	1997 12 25	566	JPL/GEODSS NEAT
(44027)	1998 AD	1998 01 02	683	Tucker, R. A.
(44028)	1998 BD_{1}	1998 01 19	411	Kobayashi, T.
(44029)	1998 BK_{4}	1998 01 21	905	Shimizu, Y., Urata, T.
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(44031)	1998 CO	1998 02 03	046	Tichý, M., Moravec, Z.
(44032)	1998 CD_{3}	1998 02 06	809	Elst, E. W.
(44033)	1998 CB_{4}	1998 02 15	552	Osservatorio San Vittore
(44034)	1998 DB	1998 02 17	411	Kobayashi, T.
(44035)	1998 DM_{6}	1998 02 22	566	JPL/GEODSS NEAT
(44036)	1998 DO_{7}	1998 02 22	691	Spacewatch
(44037)	1998 DD_{18}	1998 02 23	691	Spacewatch
(44038)	1998 DQ_{27}	1998 02 21	691	Spacewatch
(44039)	1998 DS_{33}	1998 02 27	809	Elst, E. W.
(44040)	1998 DA_{35}	1998 02 27	809	Elst, E. W.
(44041)	1998 ER_{1}	1998 03 02	910	ODAS
(44042)	1998 ES_{9}	1998 03 02	327	BAO Schmidt CCD Asteroid Program
(44043)	1998 EW_{12}	1998 03 01	809	Elst, E. W.
(44044)	1998 EE_{13}	1998 03 01	809	Elst, E. W.
(44045)	1998 EA_{14}	1998 03 01	809	Elst, E. W.
(44046)	1998 FS_{1}	1998 03 21	691	Spacewatch
(44047)	1998 FL_{2}	1998 03 20	704	LINEAR
(44048)	1998 FF_{4}	1998 03 21	691	Spacewatch
(44049)	1998 FG_{4}	1998 03 21	691	Spacewatch
(44050)	1998 FU_{11}	1998 03 24	566	JPL/GEODSS NEAT
(44051)	1998 FP_{13}	1998 03 26	566	JPL/GEODSS NEAT
(44052)	1998 FA_{16}	1998 03 28	910	ODAS
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(44054)	1998 FR_{26}	1998 03 20	704	LINEAR
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(44096)	1998 FJ_{114}	1998 03 31	704	LINEAR
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(44100)	1998 FX_{117}	1998 03 31	704	LINEAR
(44101)	1998 FT_{121}	1998 03 20	704	LINEAR
(44102)	1998 FY_{129}	1998 03 22	704	LINEAR
(44103)	1998 GE_{1}	1998 04 04	954	Teide
(44104)	1998 GO_{1}	1998 04 07	046	Kleť
(44105)	1998 GG_{11}	1998 04 01	704	LINEAR
(44106)	1998 HT_{3}	1998 04 19	691	Spacewatch
(44107)	1998 HH_{4}	1998 04 21	691	Spacewatch
(44108)	1998 HT_{4}	1998 04 20	120	Višnjan
(44109)	1998 HO_{5}	1998 04 22	691	Spacewatch
(44110)	1998 HT_{5}	1998 04 21	910	ODAS
(44111)	1998 HN_{6}	1998 04 22	910	ODAS
(44112)	1998 HS_{13}	1998 04 18	704	LINEAR
(44113)	1998 HH_{14}	1998 04 29	566	JPL/GEODSS NEAT
(44114)	1998 HN_{21}	1998 04 20	704	LINEAR
(44115)	1998 HQ_{23}	1998 04 28	684	Comba, P. G.
(44116)	1998 HK_{26}	1998 04 20	691	Spacewatch
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(44118)	1998 HB_{29}	1998 04 25	566	JPL/GEODSS NEAT
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(44120)	1998 HU_{32}	1998 04 20	704	LINEAR
(44121)	1998 HL_{34}	1998 04 20	704	LINEAR
(44122)	1998 HT_{34}	1998 04 20	704	LINEAR
(44123)	1998 HC_{36}	1998 04 20	704	LINEAR
(44124)	1998 HM_{37}	1998 04 20	704	LINEAR
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(44126)	1998 HR_{38}	1998 04 20	704	LINEAR
(44127)	1998 HO_{43}	1998 04 20	704	LINEAR
(44128)	1998 HU_{50}	1998 04 25	699	LONEOS
(44129)	1998 HX_{50}	1998 04 25	699	LONEOS
(44130)	1998 HU_{51}	1998 04 30	699	LONEOS
(44131)	1998 HG_{53}	1998 04 21	704	LINEAR
(44132)	1998 HL_{79}	1998 04 21	704	LINEAR
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(44134)	1998 HB_{87}	1998 04 21	704	LINEAR
(44135)	1998 HD_{88}	1998 04 21	704	LINEAR
(44136)	1998 HW_{89}	1998 04 21	704	LINEAR
(44137)	1998 HD_{92}	1998 04 21	704	LINEAR
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(44139)	1998 HZ_{92}	1998 04 21	704	LINEAR
(44140)	1998 HK_{94}	1998 04 21	704	LINEAR
(44141)	1998 HL_{96}	1998 04 21	704	LINEAR
(44142)	1998 HU_{96}	1998 04 21	704	LINEAR
(44143)	1998 HF_{98}	1998 04 21	704	LINEAR
(44144)	1998 HG_{98}	1998 04 21	704	LINEAR
(44145)	1998 HJ_{101}	1998 04 21	704	LINEAR
(44146)	1998 HZ_{101}	1998 04 25	809	Elst, E. W.
(44147)	1998 HB_{103}	1998 04 25	809	Elst, E. W.
(44148)	1998 HC_{106}	1998 04 23	704	LINEAR
(44149)	1998 HS_{106}	1998 04 23	704	LINEAR
(44150)	1998 HC_{108}	1998 04 23	704	LINEAR
(44151)	1998 HX_{110}	1998 04 23	704	LINEAR
(44152)	1998 HN_{121}	1998 04 23	704	LINEAR
(44153)	1998 HQ_{121}	1998 04 23	704	LINEAR
(44154)	1998 HZ_{122}	1998 04 23	704	LINEAR
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(44156)	1998 HN_{123}	1998 04 23	704	LINEAR
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(44158)	1998 HN_{128}	1998 04 19	704	LINEAR
(44159)	1998 HV_{130}	1998 04 19	704	LINEAR
(44160)	1998 HQ_{134}	1998 04 19	704	LINEAR
(44161)	1998 HT_{139}	1998 04 21	704	LINEAR
(44162)	1998 HC_{148}	1998 04 25	809	Elst, E. W.
(44163)	1998 HH_{148}	1998 04 25	809	Elst, E. W.
(44164)	1998 JS	1998 05 01	566	JPL/GEODSS NEAT

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(44166)	1998 JF_2	1998 05 01	566	JPL/GEODSS NEAT
(44167)	1998 JA_3	1998 05 01	699	LONEOS
(44168)	1998 JJ_4	1998 05 15	426	Zoltowski, F. B.
(44169)	1998 KK_2	1998 05 22	704	LINEAR
(44170)	1998 KK_7	1998 05 23	699	LONEOS
(44171)	1998 KR_8	1998 05 23	699	LONEOS
(44172)	1998 KN_9	1998 05 28	684	Comba, P. G.
(44173)	1998 KH_{13}	1998 05 22	704	LINEAR
(44174)	1998 KL_{22}	1998 05 22	704	LINEAR
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(44176)	1998 KT_{30}	1998 05 22	704	LINEAR
(44177)	1998 KX_{31}	1998 05 22	704	LINEAR
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(44182)	1998 KL_{44}	1998 05 22	704	LINEAR
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(44185)	1998 KH_{54}	1998 05 23	704	LINEAR
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(44187)	1998 KC_{56}	1998 05 23	704	LINEAR
(44188)	1998 KJ_{58}	1998 05 21	428	Broughton, J.
(44189)	1998 KW_{61}	1998 05 24	704	LINEAR
(44190)	1998 KD_{63}	1998 05 22	704	LINEAR
(44191)	1998 LF_2	1998 06 01	809	Elst, E. W.
(44192)	1998 ME_2	1998 06 18	696	Hergenrother, C. W.
(44193)	1998 MW_2	1998 06 16	691	Spacewatch
(44194)	1998 MQ_7	1998 06 19	910	ODAS
(44195)	1998 MW_7	1998 06 19	699	LONEOS
(44196)	1998 ML_9	1998 06 19	704	LINEAR
(44197)	1998 MX_{15}	1998 06 17	691	Spacewatch
(44198)	1998 MP_{24}	1998 06 25	426	Zoltowski, F. B.
(44199)	1998 MU_{24}	1998 06 23	704	LINEAR
(44200)	1998 MJ_{25}	1998 06 24	704	LINEAR
(44201)	1998 MS_{28}	1998 06 24	704	LINEAR
(44202)	1998 MJ_{32}	1998 06 24	704	LINEAR
(44203)	1998 MN_{34}	1998 06 24	704	LINEAR
(44204)	1998 MJ_{35}	1998 06 24	704	LINEAR
(44205)	1998 MY_{45}	1998 06 24	704	LINEAR
(44206)	1998 OM	1998 07 17	699	LONEOS
(44207)	1998 OJ_1	1998 07 21	595	Farra d'Isonzo
(44208)	1998 OY_6	1998 07 20	327	BAO Schmidt CCD Asteroid Program
(44209)	1998 OH_7	1998 07 28	327	BAO Schmidt CCD Asteroid Program
(44210)	1998 OX_{10}	1998 07 26	809	Elst, E. W.
(44211)	1998 OC_{12}	1998 07 23	428	Broughton, J.
(44212)	1998 OJ_{12}	1998 07 29	428	Broughton, J.
(44213)	1998 OZ_{13}	1998 07 26	809	Elst, E. W.
(44214)	1998 OC_{14}	1998 07 26	809	Elst, E. W.
(44215)	1998 OX_{14}	1998 07 26	809	Elst, E. W.
(44216)	1998 PH	1998 08 04	954	Teide
(44217)	1998 PO_1	1998 08 12	428	Broughton, J.
(44218)	1998 QO_1	1998 08 17	120	Višnjan
(44219)	1998 QB_3	1998 08 17	704	LINEAR
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(44231)	1998 QE_{25}	1998 08 17	704	LINEAR
(44232)	1998 QJ_{28}	1998 08 25	704	LINEAR
(44233)	1998 QM_{28}	1998 08 26	684	Comba, P. G.
(44234)	1998 QE_{29}	1998 08 26	557	Šarounová, L.
(44235)	1998 QL_{31}	1998 08 17	704	LINEAR
(44236)	1998 QA_{33}	1998 08 17	704	LINEAR
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(44263)	1998 QR_{53}	1998 08 28	958	Dupouy, P., Marechal, F.
(44264)	1998 QH_{54}	1998 08 27	699	LONEOS
(44265)	1998 QN_{54}	1998 08 27	699	LONEOS
(44266)	1998 QV_{55}	1998 08 26	120	Višnjan
(44267)	1998 QZ_{55}	1998 08 29	120	Višnjan
(44268)	1998 QX_{60}	1998 08 23	699	LONEOS

(44269)	1998 QY_{60}	1998 08 23	699	LONEOS
(44270)	1998 QV_{66}	1998 08 24	704	LINEAR
(44271)	1998 QY_{67}	1998 08 24	704	LINEAR
(44272)	1998 QB_{70}	1998 08 24	704	LINEAR
(44273)	1998 QH_{70}	1998 08 24	704	LINEAR
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(44276)	1998 QZ_{71}	1998 08 24	704	LINEAR
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(44278)	1998 QU_{74}	1998 08 24	704	LINEAR
(44279)	1998 QH_{75}	1998 08 24	704	LINEAR
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(44282)	1998 QB_{78}	1998 08 24	704	LINEAR
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(44285)	1998 QD_{80}	1998 08 24	704	LINEAR
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(44289)	1998 QU_{86}	1998 08 24	704	LINEAR
(44290)	1998 QA_{87}	1998 08 24	704	LINEAR
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(44292)	1998 QO_{87}	1998 08 24	704	LINEAR
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(44296)	1998 QM_{90}	1998 08 24	704	LINEAR
(44297)	1998 QF_{93}	1998 08 28	704	LINEAR
(44298)	1998 QD_{94}	1998 08 17	704	LINEAR
(44299)	1998 QX_{94}	1998 08 19	704	LINEAR
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(44301)	1998 QM_{96}	1998 08 19	704	LINEAR
(44302)	1998 QQ_{99}	1998 08 26	809	Elst, E. W.
(44303)	1998 QA_{101}	1998 08 26	809	Elst, E. W.
(44304)	1998 QD_{102}	1998 08 26	809	Elst, E. W.
(44305)	1998 QK_{102}	1998 08 26	809	Elst, E. W.
(44306)	1998 QC_{104}	1998 08 26	809	Elst, E. W.
(44307)	1998 QH_{105}	1998 08 25	809	Elst, E. W.
(44308)	1998 RG	1998 09 01	426	Zoltowski, F. B.
(44309)	1998 RT	1998 09 09	595	Farra d'Isonzo
(44310)	1998 RU_{1}	1998 09 14	703	CSS
(44311)	1998 RP_{6}	1998 09 15	699	LONEOS
(44312)	1998 RC_{8}	1998 09 12	691	Spacewatch
(44313)	1998 RV_{12}	1998 09 14	691	Spacewatch
(44314)	1998 RV_{15}	1998 09 04	327	BAO Schmidt CCD Asteroid Program
(44315)	1998 RG_{16}	1998 09 14	327	BAO Schmidt CCD Asteroid Program
(44316)	1998 RN_{22}	1998 09 14	704	LINEAR
(44317)	1998 RC_{23}	1998 09 14	704	LINEAR
(44318)	1998 RK_{24}	1998 09 14	704	LINEAR
(44319)	1998 RR_{29}	1998 09 14	704	LINEAR
(44320)	1998 RJ_{31}	1998 09 14	704	LINEAR
(44321)	1998 RY_{42}	1998 09 14	704	LINEAR
(44322)	1998 RZ_{42}	1998 09 14	704	LINEAR
(44323)	1998 RT_{44}	1998 09 14	704	LINEAR
(44324)	1998 RA_{45}	1998 09 14	704	LINEAR
(44325)	1998 RU_{45}	1998 09 14	704	LINEAR
(44326)	1998 RM_{47}	1998 09 14	704	LINEAR
(44327)	1998 RC_{48}	1998 09 14	704	LINEAR
(44328)	1998 RC_{55}	1998 09 14	704	LINEAR
(44329)	1998 RN_{58}	1998 09 14	704	LINEAR
(44330)	1998 RV_{58}	1998 09 14	704	LINEAR
(44331)	1998 RW_{58}	1998 09 14	704	LINEAR
(44332)	1998 RU_{60}	1998 09 14	704	LINEAR
(44333)	1998 RB_{63}	1998 09 14	704	LINEAR
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(44345)	1998 RO_{73}	1998 09 14	704	LINEAR
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(44353)	1998 SB_{1}	1998 09 16	910	ODAS
(44354)	1998 SS_{2}	1998 09 16	905	Shimizu, Y., Urata, T.
(44355)	1998 ST_{2}	1998 09 18	596	Casulli, V. S.
(44356)	1998 SL_{7}	1998 09 20	691	Spacewatch
(44357)	1998 SS_{8}	1998 09 20	691	Spacewatch
(44358)	1998 SX_{8}	1998 09 20	691	Spacewatch
(44359)	1998 SM_{9}	1998 09 17	327	BAO Schmidt CCD Asteroid Program
(44360)	1998 SK_{10}	1998 09 18	910	ODAS
(44361)	1998 SG_{13}	1998 09 21	910	ODAS
(44362)	1998 SM_{14}	1998 09 17	699	LONEOS
(44363)	1998 SS_{19}	1998 09 20	691	Spacewatch
(44364)	1998 SA_{22}	1998 09 23	120	Višnjan
(44365)	1998 SO_{22}	1998 09 23	120	Višnjan
(44366)	1998 SQ_{23}	1998 09 17	699	LONEOS
(44367)	1998 SE_{25}	1998 09 22	699	LONEOS
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(44369)	1998 SX_{32}	1998 09 23	691	Spacewatch
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(44371)	1998 SR_{37}	1998 09 21	691	Spacewatch
(44372)	1998 SZ_{37}	1998 09 23	691	Spacewatch

(44373)	1998 SU_{42}	1998 09 17	327	BAO Schmidt CCD Asteroid Program
(44374)	1998 SY_{42}	1998 09 20	327	BAO Schmidt CCD Asteroid Program
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(44376)	1998 SJ_{48}	1998 09 27	691	Spacewatch
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(44378)	1998 SC_{56}	1998 09 16	699	LONEOS
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(44380)	1998 SS_{56}	1998 09 17	699	LONEOS
(44381)	1998 SV_{56}	1998 09 17	699	LONEOS
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(44383)	1998 SL_{60}	1998 09 17	699	LONEOS
(44384)	1998 SJ_{61}	1998 09 17	699	LONEOS
(44385)	1998 SR_{61}	1998 09 17	699	LONEOS
(44386)	1998 SV_{61}	1998 09 17	699	LONEOS
(44387)	1998 ST_{62}	1998 09 25	327	BAO Schmidt CCD Asteroid Program
(44388)	1998 SK_{63}	1998 09 27	327	BAO Schmidt CCD Asteroid Program
(44389)	1998 SO_{63}	1998 09 29	327	BAO Schmidt CCD Asteroid Program
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(44391)	1998 SH_{64}	1998 09 20	809	Elst, E. W.
(44392)	1998 SY_{65}	1998 09 20	809	Elst, E. W.
(44393)	1998 SJ_{66}	1998 09 20	809	Elst, E. W.
(44394)	1998 ST_{66}	1998 09 20	809	Elst, E. W.
(44395)	1998 SE_{68}	1998 09 19	704	LINEAR
(44396)	1998 SF_{68}	1998 09 19	704	LINEAR
(44397)	1998 SG_{71}	1998 09 21	809	Elst, E. W.
(44398)	1998 SD_{75}	1998 09 21	809	Elst, E. W.
(44399)	1998 SZ_{84}	1998 09 26	704	LINEAR
(44400)	1998 ST_{97}	1998 09 26	704	LINEAR
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(44409)	1998 SW_{134}	1998 09 26	704	LINEAR
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(44411)	1998 SX_{138}	1998 09 26	704	LINEAR
(44412)	1998 SJ_{139}	1998 09 26	704	LINEAR
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(44415)	1998 SF_{143}	1998 09 26	704	LINEAR
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(44417)	1998 SS_{146}	1998 09 20	809	Elst, E. W.
(44418)	1998 SY_{146}	1998 09 20	809	Elst, E. W.
(44419)	1998 SM_{151}	1998 09 26	704	LINEAR
(44420)	1998 SC_{155}	1998 09 26	704	LINEAR
(44421)	1998 SL_{156}	1998 09 26	704	LINEAR
(44422)	1998 SD_{159}	1998 09 26	704	LINEAR
(44423)	1998 SP_{162}	1998 09 26	704	LINEAR
(44424)	1998 TL_{1}	1998 10 12	691	Spacewatch
(44425)	1998 TY_{1}	1998 10 13	428	Broughton, J.
(44426)	1998 TJ_{4}	1998 10 12	691	Spacewatch
(44427)	1998 TC_{5}	1998 10 13	120	Korlević, K.
(44428)	1998 TF_{5}	1998 10 13	120	Korlević, K.
(44429)	1998 TU_{5}	1998 10 13	120	Korlević, K.
(44430)	1998 TZ_{6}	1998 10 15	428	Broughton, J.
(44431)	1998 TJ_{18}	1998 10 14	327	BAO Schmidt CCD Asteroid Program
(44432)	1998 TP_{19}	1998 10 15	327	BAO Schmidt CCD Asteroid Program
(44433)	1998 TL_{30}	1998 10 10	699	LONEOS
(44434)	1998 UD_{4}	1998 10 20	120	Korlević, K.
(44435)	1998 UB_{7}	1998 10 22	120	Korlević, K.
(44436)	1998 UE_{7}	1998 10 22	120	Korlević, K.
(44437)	1998 UN_{7}	1998 10 22	120	Korlević, K.
(44438)	1998 UG_{8}	1998 10 23	120	Korlević, K.
(44439)	1998 UR_{8}	1998 10 17	327	BAO Schmidt CCD Asteroid Program
(44440)	1998 UM_{15}	1998 10 23	120	Korlević, K.
(44441)	1998 UO_{16}	1998 10 24	120	Korlević, K.
(44442)	1998 UG_{17}	1998 10 17	327	BAO Schmidt CCD Asteroid Program
(44443)	1998 UY_{19}	1998 10 26	120	Korlević, K.
(44444)	1998 UZ_{19}	1998 10 26	120	Korlević, K.
(44445)	1998 UX_{20}	1998 10 29	120	Korlević, K.
(44446)	1998 UJ_{21}	1998 10 28	704	LINEAR
(44447)	1998 UM_{21}	1998 10 28	704	LINEAR
(44448)	1998 UU_{22}	1998 10 31	888	Kagawa, T.
(44449)	1998 UK_{24}	1998 10 18	699	LONEOS
(44450)	1998 UB_{25}	1998 10 18	809	Elst, E. W.
(44451)	1998 UT_{30}	1998 10 18	809	Elst, E. W.
(44452)	1998 UO_{32}	1998 10 30	327	BAO Schmidt CCD Asteroid Program
(44453)	1998 UL_{40}	1998 10 28	704	LINEAR
(44454)	1998 UE_{43}	1998 10 28	704	LINEAR
(44455)	1998 VK	1998 11 07	683	Tucker, R. A.
(44456)	1998 VP_{4}	1998 11 11	910	ODAS
(44457)	1998 VG_{7}	1998 11 10	704	LINEAR
(44458)	1998 VJ_{8}	1998 11 10	704	LINEAR
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(44460)	1998 VC_{15}	1998 11 10	704	LINEAR
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(44463)	1998 VT_{18}	1998 11 10	704	LINEAR
(44464)	1998 VN_{21}	1998 11 10	704	LINEAR
(44465)	1998 VR_{23}	1998 11 10	704	LINEAR
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(44467)	1998 VU_{27}	1998 11 10	704	LINEAR
(44468)	1998 VH_{34}	1998 11 11	725	McClusky, J. V.
(44469)	1998 VP_{34}	1998 11 10	910	ODAS
(44470)	1998 VZ_{35}	1998 11 12	327	BAO Schmidt CCD Asteroid Program
(44471)	1998 VB_{37}	1998 11 10	704	LINEAR
(44472)	1998 VH_{53}	1998 11 14	704	LINEAR
(44473)	1998 WB	1998 11 16	703	CSS
(44474)	1998 WE	1998 11 16	727	Stafford, T.
(44475)	1998 WF	1998 11 16	683	Tucker, R. A.
(44476)	1998 WN_{3}	1998 11 19	411	Kobayashi, T.

(44477)	1998 WL_5	1998 11 20	888	Kagawa, T.
(44478)	1998 WK_6	1998 11 23	727	Stafford, T.
(44479)	1998 WS_8	1998 11 24	561	Sárneczky, K., Kiss, L.
(44480)	1998 WU_9	1998 11 16	704	LINEAR
(44481)	1998 WN_{10}	1998 11 21	704	LINEAR
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(44486)	1998 WZ_{19}	1998 11 29	426	Zoltowski, F. B.
(44487)	1998 WC_{20}	1998 11 26	365	Uto, F.
(44488)	1998 WO_{20}	1998 11 18	704	LINEAR
(44489)	1998 WK_{22}	1998 11 18	704	LINEAR
(44490)	1998 WL_{23}	1998 11 18	704	LINEAR
(44491)	1998 WU_{30}	1998 11 28	120	Korlević, K.
(44492)	1998 WE_{31}	1998 11 19	703	CSS
(44493)	1998 WT_{40}	1998 11 16	704	LINEAR
(44494)	1998 WD_{41}	1998 11 18	704	LINEAR
(44495)	1998 XL_4	1998 12 12	704	LINEAR
(44496)	1998 XM_5	1998 12 08	120	Korlević, K.
(44497)	1998 XJ_{11}	1998 12 13	411	Kobayashi, T.
(44498)	1998 XL_{11}	1998 12 13	411	Kobayashi, T.
(44499)	1998 XV_{16}	1998 12 15	120	Korlević, K.
(44500)	1998 XT_{17}	1998 12 12	402	Ikari, Y.
(44501)	1998 XN_{21}	1998 12 10	691	Spacewatch
(44502)	1998 XQ_{27}	1998 12 14	704	LINEAR
(44503)	1998 XR_{27}	1998 12 14	704	LINEAR
(44504)	1998 XX_{34}	1998 12 14	704	LINEAR
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(44510)	1998 XB_{51}	1998 12 14	704	LINEAR
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(44514)	1998 XE_{65}	1998 12 14	704	LINEAR
(44515)	1998 XR_{74}	1998 12 14	704	LINEAR
(44516)	1998 XE_{83}	1998 12 15	704	LINEAR
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(44518)	1998 XQ_{86}	1998 12 15	704	LINEAR
(44519)	1998 XY_{91}	1998 12 15	704	LINEAR
(44520)	1998 XC_{92}	1998 12 15	704	LINEAR
(44521)	1998 XZ_{93}	1998 12 15	704	LINEAR
(44522)	1998 YP_1	1998 12 16	120	Korlević, K.
(44523)	1998 YR_3	1998 12 16	120	Korlević, K.
(44524)	1998 YZ_3	1998 12 19	411	Kobayashi, T.
(44525)	1998 YE_4	1998 12 19	411	Kobayashi, T.
(44526)	1998 YN_4	1998 12 16	704	LINEAR
(44527)	1998 YC_6	1998 12 22	758	Griffin, I. P.
(44528)	1998 YZ_6	1998 12 22	120	Korlević, K.
(44529)	1998 YP_7	1998 12 22	428	Broughton, J.
(44530)	1998 YC_8	1998 12 25	046	Kleť
(44531)	1998 YR_8	1998 12 17	327	BAO Schmidt CCD Asteroid Program
(44532)	1998 YA_9	1998 12 23	327	BAO Schmidt CCD Asteroid Program
(44533)	1998 YN_9	1998 12 24	120	Korlević, K., Jurić, M.
(44534)	1998 YZ_9	1998 12 25	120	Korlević, K., Jurić, M.
(44535)	1998 YN_{15}	1998 12 22	691	Spacewatch
(44536)	1998 YY_{27}	1998 12 19	704	LINEAR
(44537)	1999 AG	1999 01 05	120	Korlević, K.
(44538)	1999 AO_2	1999 01 09	411	Kobayashi, T.
(44539)	1999 AH_4	1999 01 09	120	Korlević, K.
(44540)	1999 AH_6	1999 01 08	704	LINEAR
(44541)	1999 AV_6	1999 01 09	120	Korlević, K.
(44542)	1999 AD_7	1999 01 09	120	Korlević, K.
(44543)	1999 AG_{23}	1999 01 09	699	LONEOS
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(44545)	1999 AJ_{24}	1999 01 13	725	McClusky, J. V.
(44546)	1999 BR	1999 01 16	120	Korlević, K.
(44547)	1999 BC_3	1999 01 19	735	Needville
(44548)	1999 BQ_5	1999 01 20	120	Korlević, K.
(44549)	1999 BH_{13}	1999 01 24	120	Korlević, K.
(44550)	1999 BL_{23}	1999 01 18	704	LINEAR
(44551)	1999 BV_{27}	1999 01 17	691	Spacewatch
(44552)	1999 BL_{34}	1999 01 17	691	Spacewatch
(44553)	1999 CH_5	1999 02 12	888	Kagawa, T.
(44554)	1999 CQ_9	1999 02 14	411	Kobayashi, T.
(44555)	1999 CF_{11}	1999 02 12	704	LINEAR
(44556)	1999 CD_{23}	1999 02 10	704	LINEAR
(44557)	1999 CZ_{23}	1999 02 10	704	LINEAR
(44558)	1999 CF_{35}	1999 02 10	704	LINEAR
(44559)	1999 CC_{38}	1999 02 10	704	LINEAR
(44560)	1999 CM_{42}	1999 02 10	704	LINEAR
(44561)	1999 CF_{53}	1999 02 10	704	LINEAR
(44562)	1999 CH_{57}	1999 02 10	704	LINEAR
(44563)	1999 CX_{59}	1999 02 12	704	LINEAR
(44564)	1999 CZ_{60}	1999 02 12	704	LINEAR
(44565)	1999 CF_{84}	1999 02 10	704	LINEAR
(44566)	1999 CK_{103}	1999 02 12	704	LINEAR
(44567)	1999 CL_{111}	1999 02 12	704	LINEAR
(44568)	1999 CR_{114}	1999 02 12	704	LINEAR
(44569)	1999 CG_{133}	1999 02 07	691	Spacewatch
(44570)	1999 FX_5	1999 03 16	910	ODAS
(44571)	1999 FQ_{15}	1999 03 20	691	Spacewatch
(44572)	1999 FW_{38}	1999 03 20	704	LINEAR
(44573)	1999 FZ_{51}	1999 03 20	704	LINEAR
(44574)	1999 GF_1	1999 04 04	104	Tesi, L., Tombelli, M.
(44575)	1999 GG_3	1999 04 07	691	Spacewatch
(44576)	1999 GJ_{10}	1999 04 11	691	Spacewatch
(44577)	1999 GJ_{17}	1999 04 15	704	LINEAR
(44578)	1999 GL_{25}	1999 04 06	704	LINEAR
(44579)	1999 GR_{25}	1999 04 06	704	LINEAR
(44580)	1999 GY_{25}	1999 04 07	704	LINEAR

(44581)	1999 GB_{40}	1999 04 12	704	LINEAR
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(44584)	1999 JO_{21}	1999 05 10	704	LINEAR
(44585)	1999 JT_{28}	1999 05 10	704	LINEAR
(44586)	1999 JJ_{70}	1999 05 12	704	LINEAR
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(44588)	1999 JF_{124}	1999 05 14	704	LINEAR
(44589)	1999 LQ_{5}	1999 06 11	704	LINEAR
(44590)	1999 LC_{16}	1999 06 12	704	LINEAR
(44591)	1999 NF_{40}	1999 07 14	704	LINEAR
(44592)	1999 OM	1999 07 17	428	Broughton, J.
(44593)	1999 OG_{3}	1999 07 22	704	LINEAR
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(44595)	1999 PE	1999 08 04	428	Broughton, J.
(44596)	1999 PF	1999 08 04	428	Broughton, J.
(44597)	1999 PW	1999 08 06	046	Kleť
(44598)	1999 PL_{6}	1999 08 07	699	LONEOS
(44599)	1999 RA_{2}	1999 09 06	120	Korlević, K.
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(44601)	1999 RM_{12}	1999 09 07	704	LINEAR
(44602)	1999 RN_{12}	1999 09 07	704	LINEAR
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(44611)	1999 RO_{25}	1999 09 07	704	LINEAR
(44612)	1999 RP_{27}	1999 09 07	120	Korlević, K.
(44613)	1999 RU_{31}	1999 09 08	557	Pravec, P., Kušnirák, P.
(44614)	1999 RM_{34}	1999 09 10	120	Korlević, K.
(44615)	1999 RQ_{34}	1999 09 11	120	Korlević, K.
(44616)	1999 RT_{34}	1999 09 10	557	Kušnirák, P., Pravec, P.
(44617)	1999 RY_{37}	1999 09 12	120	Korlević, K.
(44618)	1999 RO_{38}	1999 09 13	120	Korlević, K.
(44619)	1999 RO_{42}	1999 09 14	120	Korlević, K.
(44620)	1999 RS_{43}	1999 09 12	120	Korlević, K.
(44621)	1999 RV_{48}	1999 09 07	704	LINEAR
(44622)	1999 RJ_{51}	1999 09 07	704	LINEAR
(44623)	1999 RP_{55}	1999 09 07	704	LINEAR
(44624)	1999 RS_{57}	1999 09 07	704	LINEAR
(44625)	1999 RS_{63}	1999 09 07	704	LINEAR
(44626)	1999 RU_{65}	1999 09 07	704	LINEAR
(44627)	1999 RN_{71}	1999 09 07	704	LINEAR
(44628)	1999 RQ_{75}	1999 09 07	704	LINEAR
(44629)	1999 RT_{83}	1999 09 07	704	LINEAR
(44630)	1999 RY_{83}	1999 09 07	704	LINEAR
(44631)	1999 RT_{87}	1999 09 07	704	LINEAR
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(44633)	1999 RB_{90}	1999 09 07	704	LINEAR
(44634)	1999 RZ_{94}	1999 09 07	704	LINEAR
(44635)	1999 RO_{97}	1999 09 07	704	LINEAR
(44636)	1999 RQ_{103}	1999 09 08	704	LINEAR
(44637)	1999 RN_{105}	1999 09 08	704	LINEAR
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(44645)	1999 RC_{118}	1999 09 09	704	LINEAR
(44646)	1999 RN_{121}	1999 09 09	704	LINEAR
(44647)	1999 RA_{129}	1999 09 09	704	LINEAR
(44648)	1999 RN_{140}	1999 09 09	704	LINEAR
(44649)	1999 RY_{141}	1999 09 09	704	LINEAR
(44650)	1999 RF_{143}	1999 09 09	704	LINEAR
(44651)	1999 RB_{148}	1999 09 09	704	LINEAR
(44652)	1999 RC_{150}	1999 09 09	704	LINEAR
(44653)	1999 RO_{151}	1999 09 09	704	LINEAR
(44654)	1999 RR_{155}	1999 09 09	704	LINEAR
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(44658)	1999 RD_{168}	1999 09 09	704	LINEAR
(44659)	1999 RJ_{169}	1999 09 09	704	LINEAR
(44660)	1999 RQ_{169}	1999 09 09	704	LINEAR
(44661)	1999 RX_{169}	1999 09 09	704	LINEAR
(44662)	1999 RV_{170}	1999 09 09	704	LINEAR
(44663)	1999 RS_{171}	1999 09 09	704	LINEAR
(44664)	1999 RX_{171}	1999 09 09	704	LINEAR
(44665)	1999 RF_{174}	1999 09 09	704	LINEAR
(44666)	1999 RX_{176}	1999 09 09	704	LINEAR
(44667)	1999 RB_{179}	1999 09 09	704	LINEAR
(44668)	1999 RC_{181}	1999 09 09	704	LINEAR
(44669)	1999 RC_{182}	1999 09 09	704	LINEAR
(44670)	1999 RQ_{183}	1999 09 09	704	LINEAR
(44671)	1999 RE_{184}	1999 09 09	704	LINEAR
(44672)	1999 RL_{184}	1999 09 09	704	LINEAR
(44673)	1999 RE_{185}	1999 09 09	704	LINEAR
(44674)	1999 RD_{186}	1999 09 09	704	LINEAR
(44675)	1999 RX_{186}	1999 09 09	704	LINEAR
(44676)	1999 RG_{187}	1999 09 09	704	LINEAR
(44677)	1999 RK_{190}	1999 09 10	704	LINEAR
(44678)	1999 RP_{192}	1999 09 13	704	LINEAR
(44679)	1999 RQ_{193}	1999 09 15	691	Spacewatch
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(44688)	1999 RR_{207}	1999 09 08	704	LINEAR
(44689)	1999 RK_{210}	1999 09 08	704	LINEAR
(44690)	1999 RK_{211}	1999 09 08	704	LINEAR
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(44692)	1999 RG_{225}	1999 09 07	704	LINEAR
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(44694)	1999 RT_{234}	1999 09 08	703	CSS
(44695)	1999 RY_{235}	1999 09 08	703	CSS
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(44697)	1999 RC_{239}	1999 09 08	703	CSS
(44698)	1999 RS_{247}	1999 09 05	699	LONEOS
(44699)	1999 SG	1999 09 16	120	Korlević, K.
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(44701)	1999 SD_7	1999 09 29	704	LINEAR
(44702)	1999 SJ_7	1999 09 29	704	LINEAR
(44703)	1999 SX_{10}	1999 09 30	703	CSS
(44704)	1999 SA_{11}	1999 09 30	703	CSS
(44705)	1999 SL_{11}	1999 09 30	703	CSS
(44706)	1999 SW_{24}	1999 09 30	703	CSS
(44707)	1999 TR_1	1999 10 01	120	Korlević, K.
(44708)	1999 TS_1	1999 10 01	120	Korlević, K.
(44709)	1999 TV_1	1999 10 01	120	Korlević, K.
(44710)	1999 TM_3	1999 10 04	684	Comba, P. G.
(44711)	1999 TD_4	1999 10 03	360	Nakamura, A.
(44712)	1999 TJ_5	1999 10 04	557	Šarounová, L.
(44713)	1999 TP_5	1999 10 01	120	Korlević, K., Jurić, M.
(44714)	1999 TS_5	1999 10 06	757	Chesney, D. K.
(44715)	1999 TZ_5	1999 10 02	104	Boattini, A., Tombelli, M.
(44716)	1999 TG_6	1999 10 03	703	CSS
(44717)	1999 TY_6	1999 10 07	159	Donati, S.
(44718)	1999 TP_8	1999 10 07	120	Korlević, K., Jurić, M.
(44719)	1999 TP_9	1999 10 08	120	Korlević, K., Jurić, M.
(44720)	1999 TS_9	1999 10 08	120	Korlević, K., Jurić, M.
(44721)	1999 TG_{10}	1999 10 08	684	Comba, P. G.
(44722)	1999 TQ_{10}	1999 10 06	120	Korlević, K., Jurić, M.
(44723)	1999 TQ_{12}	1999 10 12	684	Comba, P. G.
(44724)	1999 TU_{13}	1999 10 11	106	Crni Vrh
(44725)	1999 TD_{14}	1999 10 13	684	Comba, P. G.
(44726)	1999 TT_{14}	1999 10 07	120	Korlević, K., Jurić, M.
(44727)	1999 TZ_{14}	1999 10 12	678	Juels, C. W.
(44728)	1999 TT_{15}	1999 10 13	557	Kušnirák, P., Pravec, P.
(44729)	1999 TF_{17}	1999 10 15	120	Korlević, K.
(44730)	1999 TY_{17}	1999 10 04	327	BAO Schmidt CCD Asteroid Program
(44731)	1999 TF_{18}	1999 10 10	327	BAO Schmidt CCD Asteroid Program
(44732)	1999 TM_{18}	1999 10 14	327	BAO Schmidt CCD Asteroid Program
(44733)	1999 TW_{19}	1999 10 14	327	BAO Schmidt CCD Asteroid Program
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(44735)	1999 TJ_{27}	1999 10 03	704	LINEAR
(44736)	1999 TF_{30}	1999 10 04	704	LINEAR
(44737)	1999 TW_{32}	1999 10 04	704	LINEAR
(44738)	1999 TD_{35}	1999 10 04	704	LINEAR
(44739)	1999 TV_{36}	1999 10 15	699	LONEOS
(44740)	1999 TJ_{37}	1999 10 13	699	LONEOS
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(44751)	1999 TS_{97}	1999 10 02	704	LINEAR
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(44755)	1999 TN_{105}	1999 10 15	704	LINEAR
(44756)	1999 TQ_{107}	1999 10 04	704	LINEAR
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(44771)	1999 TA_{135}	1999 10 06	704	LINEAR
(44772)	1999 TM_{139}	1999 10 06	704	LINEAR
(44773)	1999 TU_{140}	1999 10 06	704	LINEAR
(44774)	1999 TK_{141}	1999 10 06	704	LINEAR
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(44776)	1999 TM_{149}	1999 10 07	704	LINEAR
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(44778)	1999 TK_{152}	1999 10 07	704	LINEAR
(44779)	1999 TM_{153}	1999 10 07	704	LINEAR
(44780)	1999 TN_{154}	1999 10 07	704	LINEAR
(44781)	1999 TO_{154}	1999 10 07	704	LINEAR
(44782)	1999 TK_{156}	1999 10 07	704	LINEAR
(44783)	1999 TA_{164}	1999 10 09	704	LINEAR
(44784)	1999 TQ_{165}	1999 10 10	704	LINEAR
(44785)	1999 TF_{168}	1999 10 10	704	LINEAR
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(44792)	1999 TK_{177}	1999 10 10	704	LINEAR
(44793)	1999 TB_{178}	1999 10 10	704	LINEAR
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(44803)	1999 TO_{206}	1999 10 13	704	LINEAR
(44804)	1999 TO_{210}	1999 10 14	704	LINEAR
(44805)	1999 TT_{214}	1999 10 15	704	LINEAR
(44806)	1999 TW_{215}	1999 10 15	704	LINEAR
(44807)	1999 TP_{217}	1999 10 15	704	LINEAR
(44808)	1999 TM_{220}	1999 10 01	703	CSS
(44809)	1999 TN_{221}	1999 10 02	704	LINEAR
(44810)	1999 TR_{221}	1999 10 02	699	LONEOS
(44811)	1999 TE_{222}	1999 10 02	699	LONEOS
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(44813)	1999 TV_{222}	1999 10 02	704	LINEAR
(44814)	1999 TX_{222}	1999 10 02	704	LINEAR
(44815)	1999 TO_{223}	1999 10 02	704	LINEAR
(44816)	1999 TB_{224}	1999 10 04	699	LONEOS
(44817)	1999 TW_{234}	1999 10 03	703	CSS
(44818)	1999 TQ_{236}	1999 10 03	703	CSS
(44819)	1999 TS_{236}	1999 10 03	703	CSS
(44820)	1999 TX_{236}	1999 10 03	703	CSS
(44821)	1999 TZ_{236}	1999 10 03	703	CSS
(44822)	1999 TW_{239}	1999 10 04	703	CSS
(44823)	1999 TG_{242}	1999 10 04	703	CSS
(44824)	1999 TH_{243}	1999 10 06	704	LINEAR
(44825)	1999 TS_{243}	1999 10 12	704	LINEAR
(44826)	1999 TH_{244}	1999 10 07	703	CSS
(44827)	1999 TN_{247}	1999 10 08	703	CSS
(44828)	1999 TR_{247}	1999 10 08	703	CSS
(44829)	1999 TS_{247}	1999 10 08	703	CSS
(44830)	1999 TT_{247}	1999 10 08	703	CSS
(44831)	1999 TF_{248}	1999 10 08	703	CSS
(44832)	1999 TJ_{248}	1999 10 08	703	CSS
(44833)	1999 TL_{248}	1999 10 08	703	CSS
(44834)	1999 TE_{256}	1999 10 09	704	LINEAR
(44835)	1999 TS_{259}	1999 10 09	704	LINEAR
(44836)	1999 TB_{262}	1999 10 13	704	LINEAR
(44837)	1999 TM_{270}	1999 10 03	704	LINEAR
(44838)	1999 TK_{272}	1999 10 03	704	LINEAR
(44839)	1999 TU_{273}	1999 10 05	704	LINEAR
(44840)	1999 TO_{284}	1999 10 09	704	LINEAR
(44841)	1999 TP_{284}	1999 10 09	704	LINEAR
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(44843)	1999 TX_{286}	1999 10 10	704	LINEAR
(44844)	1999 TG_{288}	1999 10 10	704	LINEAR
(44845)	1999 TE_{289}	1999 10 10	704	LINEAR
(44846)	1999 TN_{290}	1999 10 10	704	LINEAR
(44847)	1999 TA_{291}	1999 10 10	704	LINEAR
(44848)	1999 TY_{291}	1999 10 10	704	LINEAR
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(44850)	1999 UR_{1}	1999 10 17	385	Urata, T.
(44851)	1999 UE_{2}	1999 10 16	120	Korlević, K.
(44852)	1999 UG_{2}	1999 10 17	120	Korlević, K.
(44853)	1999 UR_{4}	1999 10 31	557	Šarounová, L.
(44854)	1999 UY_{5}	1999 10 29	703	CSS
(44855)	1999 UF_{6}	1999 10 28	327	BAO Schmidt CCD Asteroid Program
(44856)	1999 UH_{6}	1999 10 28	327	BAO Schmidt CCD Asteroid Program
(44857)	1999 UW_{8}	1999 10 29	703	CSS
(44858)	1999 UZ_{13}	1999 10 29	703	CSS
(44859)	1999 UH_{14}	1999 10 29	703	CSS
(44860)	1999 UC_{15}	1999 10 29	703	CSS
(44861)	1999 UL_{15}	1999 10 29	703	CSS
(44862)	1999 UM_{15}	1999 10 29	703	CSS
(44863)	1999 UV_{15}	1999 10 29	703	CSS
(44864)	1999 UJ_{23}	1999 10 28	703	CSS
(44865)	1999 UO_{23}	1999 10 28	703	CSS
(44866)	1999 UP_{27}	1999 10 30	691	Spacewatch
(44867)	1999 UN_{29}	1999 10 31	691	Spacewatch
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(44869)	1999 UQ_{34}	1999 10 31	691	Spacewatch
(44870)	1999 UP_{35}	1999 10 30	691	Spacewatch
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(44872)	1999 UA_{41}	1999 10 17	699	LONEOS
(44873)	1999 UF_{41}	1999 10 17	699	LONEOS
(44874)	1999 UY_{44}	1999 10 30	703	CSS
(44875)	1999 UO_{45}	1999 10 31	703	CSS
(44876)	1999 UG_{46}	1999 10 31	703	CSS
(44877)	1999 UK_{46}	1999 10 31	703	CSS
(44878)	1999 UD_{49}	1999 10 31	703	CSS
(44879)	1999 UP_{50}	1999 10 30	703	CSS
(44880)	1999 UF_{51}	1999 10 31	703	CSS
(44881)	1999 UJ_{51}	1999 10 31	703	CSS
(44882)	1999 UR_{51}	1999 10 31	703	CSS
(44883)	1999 UW_{52}	1999 10 31	703	CSS
(44884)	1999 UT_{56}	1999 10 28	703	CSS
(44885)	1999 VB	1999 11 01	046	Kleť
(44886)	1999 VF_{1}	1999 11 04	727	Stafford, T.
(44887)	1999 VF_{5}	1999 11 05	120	Korlević, K.
(44888)	1999 VJ_{5}	1999 11 04	905	Shimizu, Y., Urata, T.
(44889)	1999 VC_{6}	1999 11 05	411	Kobayashi, T.
(44890)	1999 VF_{7}	1999 11 07	120	Korlević, K.
(44891)	1999 VB_{8}	1999 11 08	120	Korlević, K.
(44892)	1999 VJ_{8}	1999 11 08	120	Korlević, K.

(44893)	1999 VV_{8}	1999 11 05	734	Farpoint
(44894)	1999 VK_{9}	1999 11 08	120	Korlević, K.
(44895)	1999 VL_{9}	1999 11 08	120	Korlević, K.
(44896)	1999 VB_{12}	1999 11 10	678	Juels, C. W.
(44897)	1999 VP_{12}	1999 11 11	678	Juels, C. W.
(44898)	1999 VA_{15}	1999 11 02	691	Spacewatch
(44899)	1999 VD_{15}	1999 11 02	691	Spacewatch
(44900)	1999 VG_{17}	1999 11 02	691	Spacewatch
(44901)	1999 VS_{18}	1999 11 02	691	Spacewatch
(44902)	1999 VJ_{19}	1999 11 10	120	Korlević, K.
(44903)	1999 VR_{19}	1999 11 12	727	Stafford, T.
(44904)	1999 VH_{21}	1999 11 12	120	Korlević, K.
(44905)	1999 VS_{22}	1999 11 13	678	Juels, C. W.
(44906)	1999 VF_{23}	1999 11 08	620	Pacheco, R., Lopez, A.
(44907)	1999 VM_{24}	1999 11 15	678	Juels, C. W.
(44908)	1999 VR_{24}	1999 11 15	557	Kušnirák, P.
(44909)	1999 VV_{24}	1999 11 13	411	Kobayashi, T.
(44910)	1999 VX_{24}	1999 11 13	411	Kobayashi, T.
(44911)	1999 VJ_{25}	1999 11 13	411	Kobayashi, T.
(44912)	1999 VN_{25}	1999 11 13	411	Kobayashi, T.
(44913)	1999 VD_{26}	1999 11 03	704	LINEAR
(44914)	1999 VN_{27}	1999 11 03	703	CSS
(44915)	1999 VR_{27}	1999 11 03	703	CSS
(44916)	1999 VL_{28}	1999 11 03	704	LINEAR
(44917)	1999 VY_{29}	1999 11 03	704	LINEAR
(44918)	1999 VV_{30}	1999 11 03	704	LINEAR
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(44921)	1999 VL_{32}	1999 11 03	704	LINEAR
(44922)	1999 VE_{34}	1999 11 03	704	LINEAR
(44923)	1999 VF_{34}	1999 11 03	704	LINEAR
(44924)	1999 VN_{34}	1999 11 03	704	LINEAR
(44925)	1999 VB_{36}	1999 11 03	704	LINEAR
(44926)	1999 VC_{36}	1999 11 03	704	LINEAR
(44927)	1999 VX_{36}	1999 11 03	704	LINEAR
(44928)	1999 VJ_{37}	1999 11 03	704	LINEAR
(44929)	1999 VR_{37}	1999 11 03	704	LINEAR
(44930)	1999 VC_{39}	1999 11 10	704	LINEAR
(44931)	1999 VD_{39}	1999 11 10	704	LINEAR
(44932)	1999 VJ_{40}	1999 11 05	376	Kawasato, N.
(44933)	1999 VU_{44}	1999 11 04	703	CSS
(44934)	1999 VV_{45}	1999 11 04	703	CSS
(44935)	1999 VT_{49}	1999 11 03	704	LINEAR
(44936)	1999 VD_{50}	1999 11 03	704	LINEAR
(44937)	1999 VU_{50}	1999 11 03	704	LINEAR
(44938)	1999 VV_{50}	1999 11 03	704	LINEAR
(44939)	1999 VB_{52}	1999 11 03	704	LINEAR
(44940)	1999 VH_{53}	1999 11 03	704	LINEAR
(44941)	1999 VQ_{53}	1999 11 04	704	LINEAR
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(44946)	1999 VU_{61}	1999 11 04	704	LINEAR
(44947)	1999 VK_{62}	1999 11 04	704	LINEAR
(44948)	1999 VT_{63}	1999 11 04	704	LINEAR
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(44950)	1999 VY_{65}	1999 11 04	704	LINEAR
(44951)	1999 VD_{68}	1999 11 04	704	LINEAR
(44952)	1999 VB_{71}	1999 11 04	704	LINEAR
(44953)	1999 VB_{72}	1999 11 11	327	BAO Schmidt CCD Asteroid Program
(44954)	1999 VN_{72}	1999 11 15	327	BAO Schmidt CCD Asteroid Program
(44955)	1999 VS_{72}	1999 11 05	376	Kawasato, N.
(44956)	1999 VQ_{77}	1999 11 03	704	LINEAR
(44957)	1999 VG_{78}	1999 11 04	704	LINEAR
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(44961)	1999 VS_{86}	1999 11 07	704	LINEAR
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(44969)	1999 VD_{97}	1999 11 09	704	LINEAR
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(44975)	1999 VD_{145}	1999 11 13	703	CSS
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(44977)	1999 VN_{156}	1999 11 12	704	LINEAR
(44978)	1999 VN_{157}	1999 11 14	704	LINEAR
(44979)	1999 VT_{157}	1999 11 14	704	LINEAR
(44980)	1999 VW_{157}	1999 11 14	704	LINEAR
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(44988)	1999 VR_{172}	1999 11 14	704	LINEAR
(44989)	1999 VG_{173}	1999 11 15	704	LINEAR
(44990)	1999 VD_{174}	1999 11 03	699	LONEOS
(44991)	1999 VJ_{174}	1999 11 12	699	LONEOS
(44992)	1999 VK_{178}	1999 11 06	704	LINEAR
(44993)	1999 VP_{178}	1999 11 06	704	LINEAR
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(44995)	1999 VS_{184}	1999 11 15	704	LINEAR
(44996)	1999 VT_{184}	1999 11 15	704	LINEAR

(44997)	1999 VX_{184}	1999 11 15	704	LINEAR
(44998)	1999 VH_{185}	1999 11 15	704	LINEAR
(44999)	1999 VQ_{186}	1999 11 15	704	LINEAR
(45000)	1999 VR_{186}	1999 11 15	704	LINEAR
(45001)	1999 VZ_{186}	1999 11 15	704	LINEAR
(45002)	1999 VS_{193}	1999 11 03	699	LONEOS
(45003)	1999 VL_{194}	1999 11 01	703	CSS
(45004)	1999 VD_{197}	1999 11 02	703	CSS
(45005)	1999 VR_{198}	1999 11 03	703	CSS
(45006)	1999 VV_{198}	1999 11 03	703	CSS
(45007)	1999 VD_{201}	1999 11 06	703	CSS
(45008)	1999 VN_{201}	1999 11 03	704	LINEAR
(45009)	1999 VR_{204}	1999 11 09	703	CSS
(45010)	1999 VS_{209}	1999 11 11	703	CSS
(45011)	1999 VC_{217}	1999 11 04	704	LINEAR
(45012)	1999 VY_{222}	1999 11 07	704	LINEAR
(45013)	1999 WK	1999 11 16	411	Kobayashi, T.
(45014)	1999 WP	1999 11 18	411	Kobayashi, T.
(45015)	1999 WQ	1999 11 16	557	Kušnirák, P.
(45016)	1999 WV_2	1999 11 30	046	Kleť
(45017)	1999 WK_3	1999 11 28	411	Kobayashi, T.
(45018)	1999 WS_3	1999 11 28	411	Kobayashi, T.
(45019)	1999 WU_4	1999 11 28	411	Kobayashi, T.
(45020)	1999 WC_5	1999 11 28	411	Kobayashi, T.
(45021)	1999 WE_6	1999 11 28	120	Korlević, K.
(45022)	1999 WF_6	1999 11 28	120	Korlević, K.
(45023)	1999 WM_6	1999 11 28	120	Korlević, K.
(45024)	1999 WN_7	1999 11 28	120	Korlević, K.
(45025)	1999 WY_7	1999 11 29	120	Korlević, K.
(45026)	1999 WE_8	1999 11 28	049	Uppsala-DLR Asteroid Survey
(45027)	1999 WA_9	1999 11 28	143	Sposetti, S.
(45028)	1999 WD_9	1999 11 28	106	Crni Vrh
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(45030)	1999 WJ_{13}	1999 11 30	691	Spacewatch
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(45032)	1999 WL_{16}	1999 11 29	691	Spacewatch
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(45761)	2000 KF_{45}	2000 05 30	691	Spacewatch
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(45801)	2000 PF_{28}	2000 08 04	608	JPL/NEAT
(45802)	2000 PV_{29}	2000 08 05	568	Holman, M. J.
(45803)	2000 QH_1	2000 08 23	428	Broughton, J.
(45804)	2000 QP_2	2000 08 24	704	LINEAR
(45805)	2000 QU_{18}	2000 08 24	704	LINEAR
(45806)	2000 QN_{20}	2000 08 24	704	LINEAR
(45807)	2000 QY_{20}	2000 08 24	704	LINEAR
(45808)	2000 QG_{24}	2000 08 25	704	LINEAR
(45809)	2000 QH_{28}	2000 08 24	704	LINEAR
(45810)	2000 QP_{32}	2000 08 26	704	LINEAR
(45811)	2000 QN_{38}	2000 08 24	704	LINEAR
(45812)	2000 QV_{39}	2000 08 24	704	LINEAR
(45813)	2000 QA_{45}	2000 08 24	704	LINEAR
(45814)	2000 QJ_{61}	2000 08 28	704	LINEAR
(45815)	2000 QF_{67}	2000 08 28	704	LINEAR
(45816)	2000 QO_{72}	2000 08 24	704	LINEAR
(45817)	2000 QM_{78}	2000 08 24	704	LINEAR
(45818)	2000 QG_{79}	2000 08 24	704	LINEAR
(45819)	2000 QL_{101}	2000 08 28	704	LINEAR
(45820)	2000 QQ_{102}	2000 08 28	704	LINEAR
(45821)	2000 QS_{114}	2000 08 24	704	LINEAR
(45822)	2000 QQ_{116}	2000 08 28	704	LINEAR
(45823)	2000 QC_{120}	2000 08 25	704	LINEAR
(45824)	2000 QB_{122}	2000 08 25	704	LINEAR
(45825)	2000 QW_{123}	2000 08 25	704	LINEAR
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(45827)	2000 QV_{149}	2000 08 25	704	LINEAR
(45828)	2000 QK_{157}	2000 08 31	704	LINEAR

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(45832)	2000 QK_{186}	2000 08 26	704	LINEAR
(45833)	2000 QX_{188}	2000 08 26	704	LINEAR
(45834)	2000 QU_{229}	2000 08 31	704	LINEAR
(45835)	2000 RZ	2000 09 01	704	LINEAR
(45836)	2000 RT_{21}	2000 09 01	704	LINEAR
(45837)	2000 RD_{27}	2000 09 01	704	LINEAR
(45838)	2000 RV_{30}	2000 09 01	704	LINEAR
(45839)	2000 RQ_{37}	2000 09 03	704	LINEAR
(45840)	2000 RU_{44}	2000 09 03	704	LINEAR
(45841)	2000 RX_{55}	2000 09 05	704	LINEAR
(45842)	2000 RC_{66}	2000 09 01	704	LINEAR
(45843)	2000 RL_{73}	2000 09 02	704	LINEAR
(45844)	2000 RN_{74}	2000 09 03	704	LINEAR
(45845)	2000 RM_{75}	2000 09 03	704	LINEAR
(45846)	2000 RA_{96}	2000 09 04	699	LONEOS
(45847)	2000 RC_{96}	2000 09 04	699	LONEOS
(45848)	2000 SY_{11}	2000 09 20	704	LINEAR
(45849)	2000 SG_{98}	2000 09 23	704	LINEAR
(45850)	2000 SH_{209}	2000 09 25	704	LINEAR
(45851)	2000 SH_{239}	2000 09 27	704	LINEAR
(45852)	2000 SG_{259}	2000 09 24	704	LINEAR
(45853)	2000 SN_{263}	2000 09 26	704	LINEAR
(45854)	2000 SR_{285}	2000 09 23	704	LINEAR
(45855)	2000 TA_2	2000 10 03	300	BATTeRS
(45856)	2000 TO_{38}	2000 10 01	704	LINEAR
(45857)	2000 TH_{61}	2000 10 02	699	LONEOS
(45858)	2000 UP_7	2000 10 24	704	LINEAR
(45859)	2000 UG_{13}	2000 10 25	704	LINEAR
(45860)	2000 UG_{27}	2000 10 24	704	LINEAR
(45861)	2000 UZ_{37}	2000 10 24	704	LINEAR
(45862)	2000 UQ_{51}	2000 10 24	704	LINEAR
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(45864)	2000 UO_{97}	2000 10 25	704	LINEAR
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(45867)	2000 VS_{17}	2000 11 01	704	LINEAR
(45868)	2000 VB_{20}	2000 11 01	704	LINEAR
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(45871)	2000 VD_{38}	2000 11 01	704	LINEAR
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(45874)	2000 WM_3	2000 11 17	704	LINEAR
(45875)	2000 WJ_{19}	2000 11 25	678	Juels, C. W.
(45876)	2000 WD_{27}	2000 11 26	919	Yeung, W. K. Y.
(45877)	2000 WR_{29}	2000 11 21	704	LINEAR
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(45879)	2000 WR_{33}	2000 11 20	704	LINEAR
(45880)	2000 WG_{49}	2000 11 21	704	LINEAR
(45881)	2000 WD_{55}	2000 11 20	704	LINEAR
(45882)	2000 WX_{61}	2000 11 21	704	LINEAR
(45883)	2000 WL_{87}	2000 11 20	704	LINEAR
(45884)	2000 WB_{93}	2000 11 21	704	LINEAR
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(45886)	2000 WL_{115}	2000 11 20	704	LINEAR
(45887)	2000 WS_{117}	2000 11 20	704	LINEAR
(45888)	2000 WL_{130}	2000 11 20	691	Spacewatch
(45889)	2000 WU_{130}	2000 11 20	699	LONEOS
(45890)	2000 WS_{169}	2000 11 26	919	Yeung, W. K. Y.
(45891)	2000 WG_{178}	2000 11 28	691	Spacewatch
(45892)	2000 WR_{179}	2000 11 26	704	LINEAR
(45893)	2000 XL_7	2000 12 01	704	LINEAR
(45894)	2000 XW_{15}	2000 12 01	704	LINEAR
(45895)	2000 XV_{25}	2000 12 04	704	LINEAR
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(45900)	2000 YG_{10}	2000 12 20	704	LINEAR
(45901)	2000 YH_{16}	2000 12 23	919	Yeung, W. K. Y.
(45902)	2000 YJ_{18}	2000 12 20	704	LINEAR
(45903)	2000 YL_{18}	2000 12 20	704	LINEAR
(45904)	2000 YV_{29}	2000 12 27	411	Kobayashi, T.
(45905)	2000 YF_{34}	2000 12 28	704	LINEAR
(45906)	2000 YW_{34}	2000 12 28	704	LINEAR
(45907)	2000 YC_{35}	2000 12 28	704	LINEAR
(45908)	2000 YE_{51}	2000 12 30	704	LINEAR
(45909)	2000 YE_{53}	2000 12 30	704	LINEAR
(45910)	2000 YN_{57}	2000 12 30	704	LINEAR
(45911)	2000 YX_{63}	2000 12 30	704	LINEAR
(45912)	2000 YZ_{64}	2000 12 30	691	Spacewatch
(45913)	2000 YV_{67}	2000 12 28	704	LINEAR
(45914)	2000 YE_{68}	2000 12 28	704	LINEAR
(45915)	2000 YN_{68}	2000 12 28	704	LINEAR
(45916)	2000 YU_{68}	2000 12 28	704	LINEAR
(45917)	2000 YE_{91}	2000 12 30	704	LINEAR
(45918)	2000 YT_{96}	2000 12 30	704	LINEAR
(45919)	2000 YZ_{103}	2000 12 28	704	LINEAR
(45920)	2000 YP_{104}	2000 12 28	704	LINEAR
(45921)	2000 YU_{104}	2000 12 28	704	LINEAR
(45922)	2000 YN_{105}	2000 12 28	704	LINEAR
(45923)	2000 YV_{107}	2000 12 30	704	LINEAR
(45924)	2000 YZ_{108}	2000 12 30	704	LINEAR
(45925)	2000 YK_{111}	2000 12 30	704	LINEAR
(45926)	2000 YT_{112}	2000 12 30	704	LINEAR
(45927)	2000 YR_{113}	2000 12 30	704	LINEAR
(45928)	2000 YB_{116}	2000 12 30	704	LINEAR
(45929)	2000 YP_{116}	2000 12 30	704	LINEAR
(45930)	2000 YQ_{117}	2000 12 30	704	LINEAR
(45931)	2000 YF_{121}	2000 12 21	704	LINEAR
(45932)	2000 YT_{121}	2000 12 22	608	JPL/NEAT

(45933)	2000 YU_{128}	2000 12 29	608	JPL/NEAT
(45934)	2000 YK_{129}	2000 12 29	691	Spacewatch
(45935)	2000 YU_{132}	2000 12 30	699	LONEOS
(45936)	2000 YB_{133}	2000 12 30	699	LONEOS
(45937)	2000 YD_{133}	2000 12 30	699	LONEOS
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(45939)	2001 AE_{7}	2001 01 02	704	LINEAR
(45940)	2001 AZ_{10}	2001 01 02	704	LINEAR
(45941)	2001 AM_{13}	2001 01 02	704	LINEAR
(45942)	2001 AX_{13}	2001 01 02	704	LINEAR
(45943)	2001 AU_{16}	2001 01 02	704	LINEAR
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(45949)	2001 AS_{23}	2001 01 03	704	LINEAR
(45950)	2001 AL_{25}	2001 01 04	704	LINEAR
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(45954)	2001 AP_{38}	2001 01 03	699	LONEOS
(45955)	2001 AK_{40}	2001 01 03	699	LONEOS
(45956)	2001 AG_{41}	2001 01 03	704	LINEAR
(45957)	2001 AQ_{44}	2001 01 15	411	Kobayashi, T.
(45958)	2001 AF_{45}	2001 01 15	411	Kobayashi, T.
(45959)	2001 AA_{51}	2001 01 15	691	Spacewatch
(45960)	2001 BX	2001 01 17	411	Kobayashi, T.
(45961)	2001 BA_{6}	2001 01 18	704	LINEAR
(45962)	2001 BM_{11}	2001 01 20	608	JPL/NEAT
(45963)	2001 BX_{14}	2001 01 21	411	Kobayashi, T.
(45964)	2001 BE_{15}	2001 01 21	411	Kobayashi, T.
(45965)	2001 BP_{20}	2001 01 19	704	LINEAR
(45966)	2001 BS_{23}	2001 01 20	704	LINEAR
(45967)	2001 BF_{24}	2001 01 20	704	LINEAR
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(45970)	2001 BZ_{27}	2001 01 20	704	LINEAR
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(45977)	2001 BU_{44}	2001 01 19	704	LINEAR
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(45979)	2001 BZ_{46}	2001 01 21	704	LINEAR
(45980)	2001 BT_{48}	2001 01 21	704	LINEAR
(45981)	2001 BW_{50}	2001 01 28	411	Kobayashi, T.
(45982)	2001 BE_{51}	2001 01 27	608	JPL/NEAT
(45983)	2001 BF_{54}	2001 01 18	691	Spacewatch
(45984)	2001 BK_{56}	2001 01 19	704	LINEAR
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(45986)	2001 BC_{66}	2001 01 26	704	LINEAR
(45987)	2001 BF_{66}	2001 01 26	704	LINEAR
(45988)	2001 BK_{66}	2001 01 26	704	LINEAR
(45989)	2001 BA_{67}	2001 01 30	704	LINEAR
(45990)	2001 BT_{69}	2001 01 31	704	LINEAR
(45991)	2001 BQ_{70}	2001 01 26	704	LINEAR
(45992)	2001 BX_{70}	2001 01 29	704	LINEAR
(45993)	2001 BE_{71}	2001 01 29	704	LINEAR
(45994)	2001 BQ_{71}	2001 01 29	704	LINEAR
(45995)	2001 BB_{72}	2001 01 31	704	LINEAR
(45996)	2001 BY_{72}	2001 01 27	608	JPL/NEAT
(45997)	2001 BO_{73}	2001 01 29	704	LINEAR
(45998)	2001 BZ_{75}	2001 01 26	704	LINEAR
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(46001)	2001 CG_{1}	2001 02 01	704	LINEAR
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(46006)	2001 CB_{11}	2001 02 01	704	LINEAR
(46007)	2001 CG_{12}	2001 02 01	704	LINEAR
(46008)	2001 CY_{12}	2001 02 01	704	LINEAR
(46009)	2001 CE_{13}	2001 02 01	704	LINEAR
(46010)	2001 CU_{16}	2001 02 01	704	LINEAR
(46011)	2001 CM_{19}	2001 02 02	704	LINEAR
(46012)	2001 CM_{26}	2001 02 01	704	LINEAR
(46013)	2001 CP_{26}	2001 02 01	704	LINEAR
(46014)	2001 CF_{27}	2001 02 02	699	LONEOS
(46015)	2001 CJ_{36}	2001 02 15	411	Kobayashi, T.
(46016)	2001 CP_{41}	2001 02 15	106	Crni Vrh
(46017)	2001 DP_{3}	2001 02 16	704	LINEAR
(46018)	2001 DX_{6}	2001 02 16	106	Crni Vrh
(46019)	2001 DT_{9}	2001 02 16	704	LINEAR
(46020)	2001 DL_{11}	2001 02 17	704	LINEAR
(46021)	2001 DZ_{14}	2001 02 17	106	Crni Vrh
(46022)	2001 DE_{16}	2001 02 16	704	LINEAR
(46023)	2001 DN_{16}	2001 02 16	704	LINEAR
(46024)	2001 DC_{18}	2001 02 16	704	LINEAR
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(46029)	2001 DF_{22}	2001 02 16	704	LINEAR
(46030)	2001 DQ_{25}	2001 02 17	704	LINEAR
(46031)	2001 DB_{29}	2001 02 17	704	LINEAR
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(46037)	2001 DF_{33}	2001 02 17	704	LINEAR
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(46042)	2001 DK_{54}	2001 02 21	919	Yeung, W. K. Y.
(46043)	2001 DR_{64}	2001 02 19	704	LINEAR
(46044)	2001 DP_{68}	2001 02 19	704	LINEAR
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(46049)	2001 DL_{73}	2001 02 19	704	LINEAR
(46050)	2001 DM_{74}	2001 02 19	704	LINEAR
(46051)	2001 DQ_{74}	2001 02 19	704	LINEAR
(46052)	2001 DD_{76}	2001 02 20	704	LINEAR
(46053)	2001 DB_{77}	2001 02 21	701	Healy, D.
(46054)	2001 DC_{80}	2001 02 22	608	JPL/NEAT
(46055)	2001 DA_{83}	2001 02 22	691	Spacewatch
(46056)	2001 DD_{87}	2001 02 23	608	JPL/NEAT
(46057)	2001 DT_{87}	2001 02 21	699	LONEOS
(46058)	2001 DE_{88}	2001 02 24	608	JPL/NEAT
(46059)	2001 DJ_{88}	2001 02 25	608	JPL/NEAT
(46060)	2001 DL_{88}	2001 02 26	807	Deep Lens Survey
(46061)	2001 DC_{90}	2001 02 22	704	LINEAR
(46062)	2001 DT_{91}	2001 02 20	608	JPL/NEAT
(46063)	2001 DV_{91}	2001 02 20	691	Spacewatch
(46064)	2001 DH_{92}	2001 02 20	608	JPL/NEAT
(46065)	2001 DB_{93}	2001 02 19	699	LONEOS
(46066)	2001 DV_{95}	2001 02 17	704	LINEAR
(46067)	2001 DY_{99}	2001 02 17	704	LINEAR
(46068)	2001 DM_{100}	2001 02 16	691	Spacewatch
(46069)	2001 DY_{100}	2001 02 16	704	LINEAR
(46070)	2001 DV_{101}	2001 02 16	704	LINEAR
(46071)	2001 DQ_{103}	2001 02 16	608	JPL/NEAT
(46072)	2001 EJ	2001 03 02	919	Yeung, W. K. Y.
(46073)	2001 EA_1	2001 03 01	704	LINEAR
(46074)	2001 EK_1	2001 03 01	704	LINEAR
(46075)	2001 EK_3	2001 03 02	699	LONEOS
(46076)	2001 EH_4	2001 03 02	699	LONEOS
(46077)	2001 EJ_5	2001 03 02	699	LONEOS
(46078)	2001 ET_6	2001 03 02	699	LONEOS
(46079)	2001 EB_7	2001 03 02	699	LONEOS
(46080)	2001 EV_9	2001 03 02	699	LONEOS
(46081)	2001 EB_{10}	2001 03 02	699	LONEOS
(46082)	2001 EC_{10}	2001 03 02	699	LONEOS
(46083)	2001 ED_{10}	2001 03 02	699	LONEOS
(46084)	2001 EU_{10}	2001 03 02	608	JPL/NEAT
(46085)	2001 EL_{11}	2001 03 02	608	JPL/NEAT
(46086)	2001 EN_{11}	2001 03 02	608	JPL/NEAT
(46087)	2001 EQ_{11}	2001 03 02	608	JPL/NEAT
(46088)	2001 EO_{12}	2001 03 04	704	LINEAR
(46089)	2001 EC_{14}	2001 03 15	704	LINEAR
(46090)	2001 EJ_{15}	2001 03 15	691	Spacewatch
(46091)	2001 ES_{15}	2001 03 15	411	Kobayashi, T.
(46092)	2001 EP_{16}	2001 03 15	608	JPL/NEAT
(46093)	2001 EL_{17}	2001 03 15	704	LINEAR
(46094)	2001 EX_{21}	2001 03 15	699	LONEOS
(46095)	2001 ER_{25}	2001 03 15	185	Vicques
(46096)	2001 FB	2001 03 16	704	LINEAR
(46097)	2001 FN_1	2001 03 19	428	Broughton, J.
(46098)	2001 FH_2	2001 03 18	704	LINEAR
(46099)	2001 FD_5	2001 03 18	704	LINEAR
(46100)	2001 FD_6	2001 03 19	704	LINEAR
(46101)	2001 FK_8	2001 03 18	704	LINEAR
(46102)	2001 FR_9	2001 03 19	699	LONEOS
(46103)	2001 FQ_{12}	2001 03 19	699	LONEOS
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(46105)	2001 FQ_{14}	2001 03 19	699	LONEOS
(46106)	2001 FA_{16}	2001 03 19	699	LONEOS
(46107)	2001 FP_{17}	2001 03 19	699	LONEOS
(46108)	2001 FW_{18}	2001 03 19	699	LONEOS
(46109)	2001 FG_{23}	2001 03 21	699	LONEOS
(46110)	2001 FK_{23}	2001 03 21	699	LONEOS
(46111)	2001 FR_{24}	2001 03 17	704	LINEAR
(46112)	2001 FA_{26}	2001 03 18	704	LINEAR
(46113)	2001 FT_{29}	2001 03 18	608	JPL/NEAT
(46114)	2001 FX_{29}	2001 03 20	608	JPL/NEAT
(46115)	2001 FP_{33}	2001 03 18	704	LINEAR
(46116)	2001 FY_{33}	2001 03 18	704	LINEAR
(46117)	2001 FD_{34}	2001 03 18	704	LINEAR
(46118)	2001 FL_{34}	2001 03 18	704	LINEAR
(46119)	2001 FU_{34}	2001 03 18	704	LINEAR
(46120)	2001 FY_{34}	2001 03 18	704	LINEAR
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(46135)	2001 FF_{56}	2001 03 23	704	LINEAR
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(46137)	2001 FN_{56}	2001 03 23	704	LINEAR
(46138)	2001 FR_{56}	2001 03 21	699	LONEOS
(46139)	2001 FV_{56}	2001 03 21	699	LONEOS
(46140)	2001 FU_{57}	2001 03 21	704	LINEAR

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(46142)	2001 FN_{58}	2001 03 24	608	JPL/NEAT
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(46144)	2001 FB_{63}	2001 03 19	704	LINEAR
(46145)	2001 FC_{63}	2001 03 19	704	LINEAR
(46146)	2001 FP_{64}	2001 03 19	704	LINEAR
(46147)	2001 FK_{66}	2001 03 19	704	LINEAR
(46148)	2001 FC_{67}	2001 03 19	704	LINEAR
(46149)	2001 FJ_{67}	2001 03 19	704	LINEAR
(46150)	2001 FY_{67}	2001 03 19	704	LINEAR
(46151)	2001 FS_{68}	2001 03 19	704	LINEAR
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(46157)	2001 FZ_{72}	2001 03 19	704	LINEAR
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(46163)	2001 FV_{79}	2001 03 21	704	LINEAR
(46164)	2001 FZ_{79}	2001 03 21	704	LINEAR
(46165)	2001 FF_{80}	2001 03 21	704	LINEAR
(46166)	2001 FF_{82}	2001 03 23	704	LINEAR
(46167)	2001 FX_{83}	2001 03 26	691	Spacewatch
(46168)	2001 FK_{86}	2001 03 27	919	Yeung, W. K. Y.
(46169)	2001 FY_{87}	2001 03 21	699	LONEOS
(46170)	2001 FG_{90}	2001 03 23	704	LINEAR
(46171)	2001 FV_{90}	2001 03 26	704	LINEAR
(46172)	2001 FB_{92}	2001 03 16	704	LINEAR
(46173)	2001 FQ_{92}	2001 03 16	704	LINEAR
(46174)	2001 FB_{93}	2001 03 16	704	LINEAR
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(46176)	2001 FX_{94}	2001 03 16	704	LINEAR
(46177)	2001 FW_{97}	2001 03 16	704	LINEAR
(46178)	2001 FA_{98}	2001 03 16	704	LINEAR
(46179)	2001 FD_{98}	2001 03 16	704	LINEAR
(46180)	2001 FX_{101}	2001 03 17	704	LINEAR
(46181)	2001 FM_{113}	2001 03 18	608	JPL/NEAT
(46182)	2001 FD_{119}	2001 03 20	608	JPL/NEAT
(46183)	2001 FH_{119}	2001 03 20	608	JPL/NEAT
(46184)	2001 FM_{120}	2001 03 26	704	LINEAR
(46185)	2001 FF_{124}	2001 03 23	699	LONEOS
(46186)	2001 FS_{124}	2001 03 29	699	LONEOS
(46187)	2001 FW_{126}	2001 03 26	704	LINEAR
(46188)	2001 FW_{134}	2001 03 21	699	LONEOS
(46189)	2001 FN_{135}	2001 03 21	704	LINEAR
(46190)	2001 FV_{135}	2001 03 21	704	LINEAR
(46191)	2001 FS_{140}	2001 03 22	691	Spacewatch
(46192)	2001 FG_{141}	2001 03 23	699	LONEOS
(46193)	2001 FW_{141}	2001 03 23	699	LONEOS
(46194)	2001 FR_{143}	2001 03 23	699	LONEOS
(46195)	2001 FM_{144}	2001 03 23	699	LONEOS
(46196)	2001 FH_{145}	2001 03 23	608	JPL/NEAT
(46197)	2001 FK_{146}	2001 03 24	699	LONEOS
(46198)	2001 FS_{147}	2001 03 24	699	LONEOS
(46199)	2001 FX_{147}	2001 03 24	699	LONEOS
(46200)	2001 FE_{148}	2001 03 24	699	LONEOS
(46201)	2001 FS_{148}	2001 03 24	699	LONEOS
(46202)	2001 FR_{151}	2001 03 24	608	JPL/NEAT
(46203)	2001 FB_{153}	2001 03 26	704	LINEAR
(46204)	2001 FC_{155}	2001 03 26	704	LINEAR
(46205)	2001 FV_{155}	2001 03 26	704	LINEAR
(46206)	2001 FS_{156}	2001 03 26	608	JPL/NEAT
(46207)	2001 FF_{158}	2001 03 27	699	LONEOS
(46208)	2001 FB_{160}	2001 03 29	699	LONEOS
(46209)	2001 FK_{160}	2001 03 29	608	JPL/NEAT
(46210)	2001 FX_{160}	2001 03 29	608	JPL/NEAT
(46211)	2001 FO_{161}	2001 03 29	608	JPL/NEAT
(46212)	2001 FD_{162}	2001 03 30	608	JPL/NEAT
(46213)	2001 FN_{162}	2001 03 31	704	LINEAR
(46214)	2001 FX_{166}	2001 03 19	608	JPL/NEAT
(46215)	2001 FX_{170}	2001 03 24	699	LONEOS
(46216)	2001 FK_{171}	2001 03 24	608	JPL/NEAT
(46217)	2001 FK_{176}	2001 03 16	704	LINEAR
(46218)	2001 FV_{177}	2001 03 18	608	JPL/NEAT
(46219)	2001 FB_{187}	2001 03 19	699	LONEOS
(46220)	2001 FW_{189}	2001 03 18	704	LINEAR
(46221)	2001 GP	2001 04 01	704	LINEAR
(46222)	2001 GJ_5	2001 04 15	704	LINEAR
(46223)	2001 GV_7	2001 04 15	704	LINEAR
(46224)	2001 GN_{10}	2001 04 15	608	JPL/NEAT
(46225)	2001 GV_{10}	2001 04 15	608	JPL/NEAT
(46226)	2001 HP_2	2001 04 17	704	LINEAR
(46227)	2001 HQ_2	2001 04 17	704	LINEAR
(46228)	2001 HZ_2	2001 04 17	704	LINEAR
(46229)	2001 HQ_3	2001 04 17	704	LINEAR
(46230)	2001 HZ_4	2001 04 16	704	LINEAR
(46231)	2001 HM_5	2001 04 18	704	LINEAR
(46232)	2001 HS_7	2001 04 17	919	Yeung, W. K. Y.
(46233)	2001 HF_9	2001 04 16	704	LINEAR
(46234)	2001 HK_9	2001 04 16	704	LINEAR
(46235)	2001 HX_9	2001 04 16	704	LINEAR
(46236)	2001 HA_{10}	2001 04 16	704	LINEAR
(46237)	2001 HB_{10}	2001 04 16	704	LINEAR
(46238)	2001 HE_{10}	2001 04 16	704	LINEAR
(46239)	2001 HX_{10}	2001 04 17	704	LINEAR
(46240)	2001 HT_{11}	2001 04 18	704	LINEAR
(46241)	2001 HG_{12}	2001 04 18	704	LINEAR
(46242)	2001 HQ_{12}	2001 04 18	704	LINEAR
(46243)	2001 HR_{12}	2001 04 18	704	LINEAR
(46244)	2001 HU_{15}	2001 04 24	919	Yeung, W. K. Y.

(46245)	2001 HU_{20}	2001 04 21	704	LINEAR
(46246)	2001 HX_{20}	2001 04 23	704	LINEAR
(46247)	2001 HG_{22}	2001 04 23	704	LINEAR
(46248)	2001 HM_{22}	2001 04 25	946	Ametlla de Mar
(46249)	2001 HQ_{22}	2001 04 25	919	Yeung, W. K. Y.
(46250)	2001 HP_{28}	2001 04 27	704	LINEAR
(46251)	2001 HO_{31}	2001 04 26	919	Yeung, W. K. Y.
(46252)	2001 HH_{32}	2001 04 30	046	Kleť
(46253)	2001 HW_{34}	2001 04 27	704	LINEAR
(46254)	2001 HB_{36}	2001 04 29	704	LINEAR
(46255)	2001 HZ_{36}	2001 04 29	704	LINEAR
(46256)	2001 HR_{40}	2001 04 27	704	LINEAR
(46257)	2001 HF_{44}	2001 04 16	699	LONEOS
(46258)	2001 HE_{45}	2001 04 16	699	LONEOS
(46259)	2001 HR_{45}	2001 04 17	699	LONEOS
(46260)	2001 HC_{46}	2001 04 17	699	LONEOS
(46261)	2001 HA_{47}	2001 04 18	608	JPL/NEAT
(46262)	2001 HX_{47}	2001 04 19	608	JPL/NEAT
(46263)	2001 HH_{48}	2001 04 21	704	LINEAR
(46264)	2001 HB_{50}	2001 04 21	704	LINEAR
(46265)	2001 HC_{51}	2001 04 23	704	LINEAR
(46266)	2001 HE_{52}	2001 04 23	704	LINEAR
(46267)	2001 HR_{55}	2001 04 24	704	LINEAR
(46268)	2001 HJ_{56}	2001 04 24	608	JPL/NEAT
(46269)	2001 HA_{58}	2001 04 25	699	LONEOS
(46270)	2001 HW_{62}	2001 04 26	699	LONEOS
(46271)	2001 HE_{63}	2001 04 26	699	LONEOS
(46272)	2001 HO_{64}	2001 04 27	608	JPL/NEAT
(46273)	2001 HX_{64}	2001 04 27	608	JPL/NEAT
(46274)	2001 JU_{3}	2001 05 15	608	JPL/NEAT
(46275)	2001 JW_{3}	2001 05 15	608	JPL/NEAT
(46276)	2001 JQ_{4}	2001 05 15	644	JPL/GEODSS NEAT
(46277)	2001 JH_{7}	2001 05 15	699	LONEOS
(46278)	2001 KM	2001 05 17	704	LINEAR
(46279)	2001 KQ_{12}	2001 05 18	704	LINEAR
(46280)	2001 KD_{18}	2001 05 21	557	Pravec, P., Kušnirák, P.
(46281)	2001 KR_{19}	2001 05 22	704	LINEAR
(46282)	2001 KU_{26}	2001 05 17	704	LINEAR
(46283)	2001 KE_{29}	2001 05 21	704	LINEAR
(46284)	2001 KU_{33}	2001 05 18	704	LINEAR
(46285)	2001 KD_{36}	2001 05 18	704	LINEAR
(46286)	2001 KR_{37}	2001 05 22	704	LINEAR
(46287)	2001 KJ_{41}	2001 05 23	704	LINEAR
(46288)	2001 KK_{43}	2001 05 22	704	LINEAR
(46289)	2001 KO_{49}	2001 05 24	704	LINEAR
(46290)	2001 KY_{51}	2001 05 16	608	JPL/NEAT
(46291)	2001 KN_{54}	2001 05 17	608	JPL/NEAT
(46292)	2001 KY_{56}	2001 05 23	704	LINEAR
(46293)	2001 KF_{58}	2001 05 26	704	LINEAR
(46294)	2001 KR_{65}	2001 05 22	699	LONEOS
(46295)	2001 KP_{70}	2001 05 23	608	JPL/NEAT
(46296)	2001 KU_{71}	2001 05 24	699	LONEOS
(46297)	2001 MK_{13}	2001 06 24	644	JPL/GEODSS NEAT
(46298)	2001 MU_{18}	2001 06 29	699	LONEOS
(46299)	2001 MR_{24}	2001 06 16	699	LONEOS
(46300)	2001 MW_{27}	2001 06 22	644	JPL/GEODSS NEAT
(46301)	2001 OY_{5}	2001 07 17	699	LONEOS
(46302)	2001 OG_{13}	2001 07 20	704	LINEAR
(46303)	2001 OZ_{44}	2001 07 16	699	LONEOS
(46304)	2001 OZ_{62}	2001 07 20	699	LONEOS
(46305)	2001 OW_{71}	2001 07 21	608	JPL/NEAT
(46306)	2001 OW_{102}	2001 07 29	699	LONEOS
(46307)	2001 OX_{104}	2001 07 28	699	LONEOS
(46308)	2001 OZ_{104}	2001 07 28	699	LONEOS
(46309)	2001 QA_{2}	2001 08 16	704	LINEAR
(46310)	2001 QQ_{11}	2001 08 16	704	LINEAR
(46311)	2001 QF_{20}	2001 08 16	704	LINEAR
(46312)	2001 QJ_{25}	2001 08 16	704	LINEAR
(46313)	2001 QO_{25}	2001 08 16	704	LINEAR
(46314)	2001 QK_{29}	2001 08 16	704	LINEAR
(46315)	2001 QR_{30}	2001 08 16	704	LINEAR
(46316)	2001 QH_{31}	2001 08 16	704	LINEAR
(46317)	2001 QN_{53}	2001 08 16	704	LINEAR
(46318)	2001 QO_{74}	2001 08 16	704	LINEAR
(46319)	2001 QP_{74}	2001 08 16	704	LINEAR
(46320)	2001 QY_{74}	2001 08 16	704	LINEAR
(46321)	2001 QO_{84}	2001 08 18	704	LINEAR
(46322)	2001 QD_{99}	2001 08 22	704	LINEAR
(46323)	2001 QH_{115}	2001 08 17	704	LINEAR
(46324)	2001 QW_{119}	2001 08 18	704	LINEAR
(46325)	2001 QZ_{130}	2001 08 20	704	LINEAR
(46326)	2001 QU_{148}	2001 08 20	608	JPL/NEAT
(46327)	2001 QU_{161}	2001 08 23	699	LONEOS
(46328)	2001 QD_{216}	2001 08 23	699	LONEOS
(46329)	2001 QW_{232}	2001 08 24	704	LINEAR
(46330)	2001 QQ_{234}	2001 08 24	704	LINEAR
(46331)	2001 QB_{264}	2001 08 25	699	LONEOS
(46332)	2001 QD_{276}	2001 08 19	704	LINEAR
(46333)	2001 QS_{276}	2001 08 19	704	LINEAR
(46334)	2001 QA_{296}	2001 08 24	699	LONEOS
(46335)	2001 RF_{57}	2001 09 12	704	LINEAR
(46336)	2001 RG_{67}	2001 09 10	704	LINEAR
(46337)	2001 RE_{76}	2001 09 10	704	LINEAR
(46338)	2001 RF_{80}	2001 09 12	644	JPL/GEODSS NEAT
(46339)	2001 RU_{81}	2001 09 14	644	JPL/GEODSS NEAT
(46340)	2001 RG_{86}	2001 09 11	699	LONEOS
(46341)	2001 RE_{89}	2001 09 11	699	LONEOS
(46342)	2001 SC_{53}	2001 09 16	704	LINEAR
(46343)	2001 SY_{56}	2001 09 16	704	LINEAR
(46344)	2001 SR_{58}	2001 09 17	704	LINEAR
(46345)	2001 SP_{110}	2001 09 20	704	LINEAR
(46346)	2001 SX_{112}	2001 09 18	333	Yeung, W. K. Y.
(46347)	2001 SV_{123}	2001 09 16	704	LINEAR
(46348)	2001 SC_{136}	2001 09 16	704	LINEAR

(46349)	2001 SM_{140}	2001 09 16	704	LINEAR
(46350)	2001 SH_{180}	2001 09 19	704	LINEAR
(46351)	2001 SD_{226}	2001 09 19	704	LINEAR
(46352)	2001 SZ_{266}	2001 09 25	333	Yeung, W. K. Y.
(46353)	2001 TY_{7}	2001 10 11	333	Yeung, W. K. Y.
(46354)	2001 TY_{8}	2001 10 09	704	LINEAR
(46355)	2001 TQ_{65}	2001 10 13	704	LINEAR
(46356)	2001 TQ_{75}	2001 10 13	704	LINEAR
(46357)	2001 TG_{77}	2001 10 13	704	LINEAR
(46358)	2001 TO_{79}	2001 10 13	704	LINEAR
(46359)	2001 TQ_{104}	2001 10 13	704	LINEAR
(46360)	2001 TA_{105}	2001 10 13	704	LINEAR
(46361)	2001 TR_{105}	2001 10 13	704	LINEAR
(46362)	2001 TO_{118}	2001 10 15	704	LINEAR
(46363)	2001 UX_{34}	2001 10 16	704	LINEAR
(46364)	2001 UM_{35}	2001 10 16	704	LINEAR
(46365)	2001 UJ_{47}	2001 10 17	704	LINEAR
(46366)	2001 UA_{66}	2001 10 18	704	LINEAR
(46367)	2001 UP_{125}	2001 10 22	644	JPL/GEODSS NEAT
(46368)	2001 VR_{36}	2001 11 09	704	LINEAR
(46369)	2001 VX_{42}	2001 11 09	704	LINEAR
(46370)	2001 VY_{43}	2001 11 09	704	LINEAR
(46371)	2001 VZ_{45}	2001 11 09	704	LINEAR
(46372)	2001 VG_{67}	2001 11 10	704	LINEAR
(46373)	2001 VA_{123}	2001 11 11	699	LONEOS
(46374)	2001 WZ_{13}	2001 11 17	704	LINEAR
(46375)	2001 WD_{29}	2001 11 17	704	LINEAR
(46376)	2001 XD_{3}	2001 12 09	704	LINEAR
(46377)	2001 XX_{7}	2001 12 08	704	LINEAR
(46378)	2001 XD_{17}	2001 12 09	704	LINEAR
(46379)	2001 XD_{22}	2001 12 09	704	LINEAR
(46380)	2001 XF_{54}	2001 12 10	704	LINEAR
(46381)	2001 XQ_{59}	2001 12 10	704	LINEAR
(46382)	2001 XP_{85}	2001 12 11	704	LINEAR
(46383)	2001 XC_{114}	2001 12 13	704	LINEAR
(46384)	2001 XM_{115}	2001 12 13	704	LINEAR
(46385)	2001 XA_{152}	2001 12 14	704	LINEAR
(46386)	2001 XP_{195}	2001 12 14	704	LINEAR
(46387)	2001 XE_{215}	2001 12 13	704	LINEAR
(46388)	2001 XH_{246}	2001 12 15	704	LINEAR
(46389)	2001 YJ_{45}	2001 12 18	704	LINEAR
(46390)	2001 YT_{96}	2001 12 18	644	JPL/GEODSS NEAT
(46391)	2001 YJ_{97}	2001 12 17	704	LINEAR
(46392)	2002 AO_{6}	2002 01 05	209	Asiago-DLR Asteroid Survey
(46393)	2002 AS_{10}	2002 01 06	608	JPL/NEAT
(46394)	2002 AZ_{10}	2002 01 11	411	Kobayashi, T.
(46395)	2002 CT_{4}	2002 02 04	644	JPL/GEODSS NEAT
(46396)	2002 CD_{39}	2002 02 09	333	Yeung, W. K. Y.
(46397)	2002 CE_{102}	2002 02 07	704	LINEAR
(46398)	2002 CQ_{146}	2002 02 09	704	LINEAR
(46399)	2002 CD_{169}	2002 02 08	704	LINEAR
(46400)	2002 CG_{220}	2002 02 10	704	LINEAR
(46401)	2002 CY_{240}	2002 02 11	704	LINEAR
(46402)	2002 DB_{16}	2002 02 16	608	JPL/NEAT
(46403)	2002 EQ_{20}	2002 03 09	704	LINEAR
(46404)	2002 EV_{20}	2002 03 09	704	LINEAR
(46405)	2002 EJ_{28}	2002 03 09	704	LINEAR
(46406)	2002 EQ_{67}	2002 03 13	704	LINEAR
(46407)	2002 EC_{74}	2002 03 13	704	LINEAR
(46408)	2002 FO_{3}	2002 03 19	678	Fountain Hills
(46409)	2002 FT_{35}	2002 03 21	704	LINEAR
(46410)	2002 GF_{46}	2002 04 02	644	JPL/GEODSS NEAT
(46411)	2002 GS_{68}	2002 04 08	704	LINEAR
(46412)	2002 GL_{76}	2002 04 09	704	LINEAR
(46413)	2002 GS_{87}	2002 04 10	704	LINEAR
(46414)	2002 GD_{113}	2002 04 11	699	LONEOS
(46415)	2002 GV_{125}	2002 04 12	704	LINEAR
(46416)	2002 HK	2002 04 16	333	Yeung, W. K. Y.
(46417)	2002 JV_{4}	2002 05 04	333	Yeung, W. K. Y.
(46418)	2002 JS_{12}	2002 05 06	333	Yeung, W. K. Y.
(46419)	2002 JO_{21}	2002 05 09	333	Yeung, W. K. Y.
(46420)	2002 JH_{23}	2002 05 08	704	LINEAR
(46421)	2002 JC_{33}	2002 05 09	704	LINEAR
(46422)	2002 JO_{33}	2002 05 09	704	LINEAR
(46423)	2002 JR_{34}	2002 05 09	704	LINEAR
(46424)	2002 JZ_{35}	2002 05 09	704	LINEAR
(46425)	2002 JP_{44}	2002 05 09	704	LINEAR
(46426)	2002 JG_{58}	2002 05 09	704	LINEAR
(46427)	2002 JS_{59}	2002 05 09	704	LINEAR
(46428)	2002 JO_{63}	2002 05 09	704	LINEAR
(46429)	2002 JP_{63}	2002 05 09	704	LINEAR
(46430)	2002 JV_{63}	2002 05 09	704	LINEAR
(46431)	2002 JL_{65}	2002 05 09	704	LINEAR
(46432)	2002 JR_{65}	2002 05 09	704	LINEAR
(46433)	2002 JQ_{67}	2002 05 09	704	LINEAR
(46434)	2002 JK_{143}	2002 05 12	704	LINEAR
(46435)	2002 KY_{4}	2002 05 16	704	LINEAR
(46436)	2002 LH_{5}	2002 06 06	678	Juels, C. W., Holvorcem, P. R.
(46437)	2002 LL_{5}	2002 06 06	678	Juels, C. W., Holvorcem, P. R.
(46438)	2002 LZ_{7}	2002 06 04	704	LINEAR
(46439)	2002 LX_{12}	2002 06 05	704	LINEAR
(46440)	2002 LS_{27}	2002 06 09	704	LINEAR
(46441)	2002 LE_{30}	2002 06 10	678	Juels, C. W., Holvorcem, P. R.
(46442)	2002 LK_{35}	2002 06 12	678	Juels, C. W., Holvorcem, P. R.
(46443)	2002 LW_{43}	2002 06 10	704	LINEAR
(46444)	2089 P-L	1960 09 24	675	van Houten & Gehrels
(46445)	2102 P-L	1960 09 24	675	van Houten & Gehrels
(46446)	2110 P-L	1960 09 24	675	van Houten & Gehrels
(46447)	2208 P-L	1960 09 24	675	van Houten & Gehrels
(46448)	2829 P-L	1960 09 24	675	van Houten & Gehrels
(46449)	3036 P-L	1960 09 24	675	van Houten & Gehrels
(46450)	3039 P-L	1960 09 24	675	van Houten & Gehrels
(46451)	3050 P-L	1960 09 24	675	van Houten & Gehrels
(46452)	3097 P-L	1960 09 24	675	van Houten & Gehrels

(46453)	4013 P-L	1960 09 24	675	van Houten & Gehrels
(46454)	4029 P-L	1960 09 24	675	van Houten & Gehrels
(46455)	4054 P-L	1960 09 24	675	van Houten & Gehrels
(46456)	4140 P-L	1960 09 24	675	van Houten & Gehrels
(46457)	4166 P-L	1960 09 24	675	van Houten & Gehrels
(46458)	4244 P-L	1960 09 24	675	van Houten & Gehrels
(46459)	4540 P-L	1960 09 24	675	van Houten & Gehrels
(46460)	4798 P-L	1960 09 24	675	van Houten & Gehrels
(46461)	6105 P-L	1960 09 24	675	van Houten & Gehrels
(46462)	6179 P-L	1960 09 24	675	van Houten & Gehrels
(46463)	6290 P-L	1960 09 24	675	van Houten & Gehrels
(46464)	6602 P-L	1960 09 24	675	van Houten & Gehrels
(46465)	6617 P-L	1960 09 24	675	van Houten & Gehrels
(46466)	6622 P-L	1960 09 24	675	van Houten & Gehrels
(46467)	6730 P-L	1960 09 24	675	van Houten & Gehrels
(46468)	6887 P-L	1960 09 24	675	van Houten & Gehrels
(46469)	9572 P-L	1960 10 17	675	van Houten & Gehrels
(46470)	9607 P-L	1960 10 17	675	van Houten & Gehrels
(46471)	1160 T-1	1971 03 25	675	van Houten & Gehrels
(46472)	2155 T-1	1971 03 25	675	van Houten & Gehrels
(46473)	3066 T-1	1971 03 26	675	van Houten & Gehrels
(46474)	3109 T-1	1971 03 26	675	van Houten & Gehrels
(46475)	3204 T-1	1971 03 26	675	van Houten & Gehrels
(46476)	4208 T-1	1971 03 26	675	van Houten & Gehrels
(46477)	4266 T-1	1971 03 26	675	van Houten & Gehrels
(46478)	1097 T-2	1973 09 29	675	van Houten & Gehrels
(46479)	1150 T-2	1973 09 29	675	van Houten & Gehrels
(46480)	1170 T-2	1973 09 29	675	van Houten & Gehrels
(46481)	1198 T-2	1973 09 29	675	van Houten & Gehrels
(46482)	1460 T-2	1973 09 30	675	van Houten & Gehrels
(46483)	1549 T-2	1973 09 24	675	van Houten & Gehrels
(46484)	2245 T-2	1973 09 29	675	van Houten & Gehrels
(46485)	2279 T-2	1973 09 29	675	van Houten & Gehrels
(46486)	3113 T-2	1973 09 30	675	van Houten & Gehrels
(46487)	3322 T-2	1973 09 25	675	van Houten & Gehrels
(46488)	3335 T-2	1973 09 24	675	van Houten & Gehrels
(46489)	4156 T-2	1973 09 29	675	van Houten & Gehrels
(46490)	4164 T-2	1973 09 29	675	van Houten & Gehrels
(46491)	5070 T-2	1973 09 25	675	van Houten & Gehrels
(46492)	1023 T-3	1977 10 17	675	van Houten & Gehrels
(46493)	1032 T-3	1977 10 17	675	van Houten & Gehrels
(46494)	1088 T-3	1977 10 17	675	van Houten & Gehrels
(46495)	1123 T-3	1977 10 17	675	van Houten & Gehrels
(46496)	1157 T-3	1977 10 17	675	van Houten & Gehrels
(46497)	2214 T-3	1977 10 17	675	van Houten & Gehrels
(46498)	2240 T-3	1977 10 16	675	van Houten & Gehrels
(46499)	2409 T-3	1977 10 16	675	van Houten & Gehrels
(46500)	2610 T-3	1977 10 16	675	van Houten & Gehrels
(46501)	2616 T-3	1977 10 16	675	van Houten & Gehrels
(46502)	3084 T-3	1977 10 16	675	van Houten & Gehrels
(46503)	3191 T-3	1977 10 16	675	van Houten & Gehrels
(46504)	3194 T-3	1977 10 16	675	van Houten & Gehrels
(46505)	3195 T-3	1977 10 16	675	van Houten & Gehrels
(46506)	3387 T-3	1977 10 16	675	van Houten & Gehrels
(46507)	3479 T-3	1977 10 16	675	van Houten & Gehrels
(46508)	3554 T-3	1977 10 16	675	van Houten & Gehrels
(46509)	4149 T-3	1977 10 16	675	van Houten & Gehrels
(46510)	4323 T-3	1977 10 16	675	van Houten & Gehrels
(46511)	4356 T-3	1977 10 16	675	van Houten & Gehrels

Orbital elements for the newly-numbered objects listed above at the current 200-day standard epoch (2002 May 6.0 TT):

Object	H	M	ω	Ω	i	e	a	MPO
(43722)	12.4	307.54214	101.77991	277.96236	14.65331	0.1808133	3.1755091	32047
(43723)	15.7	240.76126	248.03539	173.46668	2.93657	0.1718431	2.2731117	32047
(43724)	14.9	311.86726	178.24095	179.01310	7.97459	0.2308540	2.4733637	32047
(43725)	14.8	218.28621	121.62622	347.47341	4.80338	0.1590823	2.2698728	32048
(43726)	15.6	250.51421	103.11071	303.83070	1.69166	0.1245012	2.3000630	32048
(43727)	14.7	31.23605	75.37057	162.30518	5.05291	0.1580902	2.4442824	32049
(43728)	15.3	54.79199	171.39562	268.90223	3.24255	0.0764069	2.3000190	32049
(43729)	14.6	6.25718	24.73539	250.23621	3.70625	0.1343830	3.2098923	32049
(43730)	16.2	230.79878	155.90643	136.01031	4.14398	0.1360170	2.2784042	32050
(43731)	14.9	283.75711	210.42606	171.65018	5.17325	0.1315447	2.7589998	32050
(43732)	14.6	266.41558	169.65671	231.37359	5.98872	0.1335166	3.2084395	32050
(43733)	14.9	24.29488	45.98744	217.83485	4.39681	0.1323185	3.1965157	32050
(43734)	14.9	12.25007	342.22406	284.53561	7.96119	0.1172947	2.7625545	32050
(43735)	14.3	264.66241	164.77751	291.85043	8.39478	0.1625199	2.7858436	32051
(43736)	15.9	13.72850	294.04365	321.72618	8.32430	0.1185982	2.2638359	32051
(43737)	15.2	112.33697	310.92151	228.42869	9.36715	0.1172165	2.5099808	32051
(43738)	15.8	350.87882	65.41841	219.41569	11.59093	0.2932401	2.5534470	32052
(43739)	15.1	147.10803	68.35088	250.12851	6.32452	0.1405299	2.3773226	32052
(43740)	15.7	341.34291	11.45765	272.73081	4.72698	0.1698036	2.2670789	32052
(43741)	15.3	4.45874	169.77985	274.32886	3.60926	0.1207385	2.3714262	32053
(43742)	14.3	147.84507	55.88221	207.74114	11.39362	0.1080575	2.7602387	32053
(43743)	15.7	266.45734	255.68434	340.13494	6.60181	0.0629774	2.3491393	32053
(43744)	16.4	298.10500	215.92391	353.02714	2.64810	0.1424304	2.3418208	32054
(43745)	15.2	109.71925	194.88231	341.22408	4.41231	0.0608595	2.5143842	32054
(43746)	15.0	253.76154	251.88907	169.78864	8.61562	0.2047920	2.4726596	32054
(43747)	13.5	325.26465	205.56712	176.89745	5.54383	0.1283418	2.8160521	32054
(43748)	16.5	3.38003	60.38645	219.33328	3.59640	0.2458504	2.2610926	32055
(43749)	16.0	40.12281	243.58783	341.93997	4.91990	0.1910520	2.5411563	32055
(43750)	13.9	27.70756	113.99201	151.97582	16.98866	0.2797525	2.5883203	32055
(43751)	14.7	298.78693	2.04021	4.92187	1.99277	0.2348086	2.5415057	32056
(43752)	14.8	50.02757	120.16651	286.98217	2.65047	0.1991296	2.4276417	32056
(43753)	15.3	244.17846	327.44036	88.37944	3.70387	0.2289700	2.5865992	32056
(43754)	13.7	183.43423	202.68217	295.56857	24.19363	0.2416669	2.2972016	32057
(43755)	14.5	334.11738	92.77847	227.01473	1.44244	0.2187268	2.4409049	32057
(43756)	14.0	232.22792	292.80225	107.31569	13.31411	0.2430481	2.5664436	32057
(43757)	12.6	129.03043	353.50024	168.63056	26.24341	0.2058791	3.0808077	32058
(43758)	14.2	251.31814	155.75425	258.59122	6.35491	0.1553051	2.2687714	32058
(43759)	15.8	304.33474	198.48104	134.95893	5.65673	0.1418748	2.1885668	32059
(43760)	14.4	214.63044	292.08773	5.93520	6.76881	0.1321725	2.2952366	32059
(43761)	14.2	254.96770	324.35276	45.88441	3.59932	0.1463013	2.5867575	32059
(43762)	13.8	278.28138	338.86219	57.51977	2.61079	0.1643192	3.1872845	32060

(43763)	14.6	0.61996	103.46797	167.04907	11.44243	0.2975424	2.3928376	32060
(43764)	14.2	276.23867	145.92507	282.91868	11.83832	0.1195065	2.5215221	32061
(43765)	13.2	2.38320	153.17446	225.77370	9.43207	0.1074737	3.0532513	32061
(43766)	14.4	87.74869	4.27309	173.92356	13.20146	0.2080082	2.6517922	32061
(43767)	13.8	346.61052	185.94301	239.02973	7.22371	0.1516563	2.9758438	32062
(43768)	13.3	16.84427	48.33707	305.05879	11.76381	0.1119357	3.0903325	32062
(43769)	14.0	133.11683	330.45592	173.60165	15.33928	0.2754116	2.6244423	32062
(43770)	13.8	183.50411	177.22759	34.90386	5.47964	0.1068182	3.1030007	32063
(43771)	14.1	285.53320	40.46834	354.50210	5.69297	0.1415376	2.3247534	32063
(43772)	15.8	264.43047	167.78434	231.88603	2.42854	0.2409403	2.3487366	32063
(43773)	13.9	321.90228	158.90730	290.48027	6.20465	0.1970531	2.7853954	32064
(43774)	13.1	109.74843	293.01508	269.20846	10.56579	0.0723880	3.0656556	32064
(43775)	12.9	76.90820	234.57139	321.61299	16.14742	0.1068348	3.1693679	32064
(43776)	13.8	155.82455	7.94307	220.51950	9.63523	0.0694343	3.0226846	32065
(43777)	14.5	325.44418	47.58466	334.92667	12.27470	0.1813920	2.6240370	32065
(43778)	15.4	196.30501	200.69738	106.82136	3.36253	0.2005642	2.3894386	32065
(43779)	16.2	287.09481	189.62044	174.44042	5.56920	0.1874598	2.2335504	32066
(43780)	15.4	238.31070	358.92678	5.28688	4.10619	0.1891490	2.2724115	32066
(43781)	17.4	304.64585	176.19112	175.89442	5.78977	0.2239789	2.2200983	32066
(43782)	14.4	311.43083	159.97897	220.60483	11.27014	0.2845540	2.6860483	32066
(43783)	14.2	300.23729	155.85386	228.87868	13.88119	0.2903545	2.6919776	32067
(43784)	14.6	288.28799	266.63442	113.16077	8.12183	0.2143817	2.7385766	32067
(43785)	14.9	274.43832	223.13386	160.31886	5.65304	0.1704007	2.2804169	32067
(43786)	15.5	306.55565	216.18439	148.49455	3.20262	0.2527130	2.5342258	32068
(43787)	14.9	310.83985	217.77361	133.16364	4.80606	0.1812038	2.5387736	32068
(43788)	14.5	269.30485	189.84877	180.10954	18.42737	0.2041045	2.6003973	32068
(43789)	16.0	148.71435	44.93242	30.54100	5.41218	0.1150667	2.1872113	32069
(43790)	15.4	158.26575	341.19473	17.85300	6.07165	0.1278421	2.2704102	32069
(43791)	14.8	260.73521	301.61264	112.71501	6.01935	0.2285573	2.5998561	32069
(43792)	13.9	247.15097	179.72716	209.87405	11.38831	0.2508537	2.6636166	32070
(43793)	14.8	331.17921	78.99347	271.55203	5.23943	0.2185860	2.5471875	32070
(43794)	14.0	174.71140	175.48438	302.99474	13.31503	0.2646561	2.7558835	32070
(43795)	14.5	195.89739	191.29421	269.08619	3.40459	0.2792995	2.7238911	32070
(43796)	13.8	279.21281	122.48016	317.81901	30.67479	0.2246776	2.6031687	32071
(43797)	14.0	247.86425	246.48026	184.93719	12.23528	0.1591907	2.6225898	32071
(43798)	16.1	17.21106	292.02718	307.55309	1.37901	0.2000882	2.3301061	32071
(43799)	14.6	332.43051	357.82439	321.93942	7.60438	0.2749497	2.3948781	32072
(43800)	12.9	334.87788	41.39034	328.89898	10.81676	0.1104387	3.0536827	32072
(43801)	14.2	345.87431	196.59430	128.48019	6.45810	0.1564670	3.1025639	32072
(43802)	15.0	311.91455	26.17356	323.30429	3.58481	0.2087988	2.3879742	32073
(43803)	13.2	339.38661	23.16448	354.96131	10.71496	0.0832240	3.0366870	32073
(43804)	13.6	308.26826	22.84408	353.23268	7.51407	0.1588565	3.2028142	32073
(43805)	14.0	7.85536	231.85164	24.81375	6.48559	0.1026927	2.4579509	32073
(43806)	14.6	253.86790	149.35229	262.29941	3.73857	0.1786033	2.4541528	32074
(43807)	12.4	308.08962	207.00247	202.65360	22.56382	0.1625542	3.1023849	32074
(43808)	14.0	262.15799	74.68922	323.71875	4.61559	0.2153126	2.4418549	32075
(43809)	14.0	345.99953	334.58431	343.44664	8.54692	0.1632136	2.3910120	32075
(43810)	15.6	300.32382	228.65777	131.83254	3.05563	0.2276746	2.4099989	32075
(43811)	15.4	293.28539	13.30369	11.19229	2.26438	0.2210381	2.3902278	32076
(43812)	12.9	317.08563	92.36045	293.80304	12.54686	0.2032995	3.1579809	32076
(43813)	15.3	251.34820	164.93429	270.62239	2.76183	0.2184668	2.4183771	32076
(43814)	15.1	274.68869	60.00905	353.94721	1.53886	0.2308526	2.4203001	32077
(43815)	12.1	295.24489	158.24968	257.29934	23.96582	0.2533282	3.1815980	32077
(43816)	14.7	156.47326	222.17168	277.61702	10.71915	0.1276529	2.5851231	32077
(43817)	15.0	246.97292	35.90049	34.75031	4.52424	0.1292996	2.5673894	32077
(43818)	14.0	86.42001	301.78714	246.84133	2.44216	0.1383511	3.9631778	32078
(43819)	15.3	14.33657	155.13029	86.36352	6.33394	0.1135707	2.2027773	32078
(43820)	14.8	206.42731	162.63740	289.60598	3.61042	0.1463939	2.2406459	32078
(43821)	16.6	346.81332	140.12968	169.45528	5.07283	0.2011361	2.2305649	32079
(43822)	16.2	318.13505	270.57990	79.09142	2.82161	0.2296879	2.2389794	32079
(43823)	13.7	24.57535	162.17797	222.87607	7.07297	0.2596343	2.7539339	32079
(43824)	12.9	308.09471	10.22323	350.69626	10.31326	0.1074495	2.9998163	32080
(43825)	15.4	278.91668	190.17654	234.80606	0.52327	0.1993617	2.2515928	32080
(43826)	14.3	285.32354	143.76282	240.74747	7.00152	0.1120300	2.2929075	32080
(43827)	14.8	305.71987	8.57767	328.09407	6.31223	0.0264717	2.4539217	32081
(43828)	14.4	0.52248	158.56549	17.79022	5.46179	0.0911894	2.7639329	32081
(43829)	15.8	263.45622	273.67837	144.39526	6.58862	0.0835376	2.4446951	32082
(43830)	14.9	119.08544	144.18443	1.40720	3.06370	0.0985127	2.5619925	32082
(43831)	13.3	55.28422	4.40022	202.49907	13.17727	0.1148401	2.5779951	32082
(43832)	15.5	52.12514	82.09804	149.24657	4.30097	0.1031258	2.5478513	32083
(43833)	15.4	71.95095	339.66295	47.45165	5.32595	0.1589924	2.2191732	32083
(43834)	15.2	314.10727	172.49101	164.98654	3.04141	0.0965447	2.5174536	32084
(43835)	15.0	254.86706	354.58452	30.11095	2.83338	0.0535683	2.5275532	32084
(43836)	15.0	92.19908	313.13337	184.95682	11.44603	0.0569166	2.6318472	32084
(43837)	15.3	35.77992	234.25318	6.11202	0.96253	0.0631147	2.5518234	32085
(43838)	15.2	301.67764	337.56391	336.01563	1.71991	0.0830031	2.5976763	32085
(43839)	15.2	322.83613	119.87453	189.20678	12.39804	0.2776291	2.6164839	32085
(43840)	15.4	351.39793	114.42034	206.54371	3.73441	0.3139206	2.5473016	32086
(43841)	14.7	233.78347	241.82397	200.33152	0.86314	0.1580072	2.4213664	32086
(43842)	15.0	0.57627	75.99703	202.13499	6.09144	0.2557735	2.6718908	32086
(43843)	14.3	9.75043	320.89269	283.89322	7.49991	0.2339250	2.7375070	32087
(43844)	15.2	315.93648	214.56503	144.97907	5.87245	0.1736157	2.7654965	32087
(43845)	14.6	186.56954	103.38663	116.88540	8.28842	0.0733884	2.4232610	32087
(43846)	14.6	356.04790	120.54687	166.14241	3.73165	0.0621160	2.7963928	32088
(43847)	14.9	320.83430	155.29597	192.29059	4.68866	0.1249299	2.7477840	32088
(43848)	15.0	271.14029	255.21059	134.29253	5.20524	0.0772145	2.7969924	32088
(43849)	14.3	271.81756	226.90753	178.52260	8.93694	0.1540635	2.7835740	32089
(43850)	14.9	305.04640	197.66747	179.94658	10.40736	0.2260557	2.7685599	32089
(43851)	15.7	357.40098	233.60070	183.00484	5.35698	0.3382350	2.6053313	32089
(43852)	14.1	319.55077	198.96626	186.60980	9.89114	0.1913680	2.7362595	32089
(43853)	13.8	344.86808	48.64901	158.27955	7.26259	0.0474201	3.2416870	32090
(43854)	13.7	174.89828	267.15171	47.89701	8.03861	0.2047314	2.3663554	32090
(43855)	13.8	3.82437	143.34514	141.82747	4.09967	0.1781898	2.8454072	32090
(43856)	14.8	169.04266	271.12743	173.44350	10.73128	0.0628899	3.0565702	32091
(43857)	13.4	346.57943	120.52633	232.07194	22.61520	0.1823715	2.7804941	32091
(43858)	15.9	233.38665	341.25724	91.23289	1.28116	0.1563393	2.1848851	32091
(43859)	13.0	297.41787	70.77662	307.18727	8.00120	0.1750127	3.0050728	32092
(43860)	13.3	295.28983	239.35251	139.54009	13.27222	0.1131026	3.1512416	32092
(43861)	15.5	227.56240	42.41509	22.40364	6.86229	0.0796257	2.2741454	32092
(43862)	14.4	70.06650	187.96159	25.42373	7.42657	0.0607007	2.3432651	32093
(43863)	13.4	247.49184	293.87445	137.91062	13.78073	0.2651625	3.0726765	32093
(43864)	13.7	127.35223	232.56625	29.25997	1.48932	0.0584090	3.0591661	32094
(43865)	15.7	327.61554	312.93835	17.28453	1.27654	0.1338654	2.5391301	32094
(43866)	14.8	288.87898	54.07414	335.22215	4.60877	0.1472220	2.5336033	32094

(43867)	15.8	313.81308	320.92113	35.53039	1.89116	0.1674725	2.5265705	32095
(43868)	15.5	271.03520	197.12253	204.24951	2.84171	0.1267191	2.5302972	32095
(43869)	15.6	303.94739	175.43466	153.51603	25.33585	0.0343826	1.9504712	32095
(43870)	15.1	287.40775	343.66439	41.90905	3.25985	0.2349173	2.5949638	32095
(43871)	15.5	309.24219	150.56883	221.09213	3.57821	0.2257065	2.5565777	32096
(43872)	15.5	357.09080	21.08599	278.46878	3.10957	0.1838122	2.6033359	32096
(43873)	14.4	282.13878	149.97812	227.13925	11.30506	0.1941464	2.6549562	32096
(43874)	15.4	290.99338	156.58435	235.84853	3.92744	0.2768500	2.5957755	32097
(43875)	15.0	296.94030	156.37038	243.96233	6.38530	0.3406229	2.5818342	32097
(43876)	13.5	259.97954	160.80967	275.17263	11.98480	0.1359798	2.6848355	32097
(43877)	14.6	357.96580	174.29472	120.46748	2.75503	0.1455129	3.0346471	32098
(43878)	14.3	239.38585	55.33824	13.30839	1.79614	0.0397853	2.9126944	32098
(43879)	15.2	344.51633	143.69106	192.83446	1.71049	0.1179719	2.8345289	32098
(43880)	15.7	323.24924	177.35225	112.33188	1.00894	0.1361404	2.1218691	32098
(43881)	15.1	3.27629	306.33403	157.92882	3.07015	0.1555025	2.4399954	32099
(43882)	15.6	304.64246	78.32152	96.98239	7.21701	0.0758162	2.4239880	32099
(43883)	15.6	290.28640	158.52963	201.89957	1.15786	0.1118638	2.9371722	32100
(43884)	15.1	303.79983	98.66285	26.58269	14.33786	0.0391608	2.6104263	32100
(43885)	14.7	5.25110	194.16442	36.13964	7.97725	0.0853000	2.2470545	32100
(43886)	16.1	331.30310	188.89294	111.48308	5.64625	0.1913473	2.1763064	32100
(43887)	15.6	320.88761	251.32940	327.17223	11.76317	0.1255763	2.5837375	32101
(43888)	16.2	7.56663	113.40682	173.91014	6.32473	0.1798742	2.2725902	32101
(43889)	14.4	283.35396	137.68983	272.77868	4.35946	0.1570213	2.2835371	32101
(43890)	16.5	352.38335	329.83809	327.31002	2.94119	0.2416478	2.2969841	32102
(43891)	13.8	241.54022	122.03465	313.76503	23.71594	0.2220373	2.3681952	32102
(43892)	15.2	270.99797	32.71763	355.20691	2.10364	0.1312334	2.3463480	32102
(43893)	16.0	220.92764	184.99200	172.96667	1.96863	0.1969926	2.5424493	32103
(43894)	15.4	305.56280	157.76425	199.53946	6.26243	0.1432036	2.3654607	32103
(43895)	15.3	272.14665	355.59356	35.32084	2.91730	0.1829211	2.4117160	32103
(43896)	13.8	333.25423	304.28824	34.78707	7.31950	0.1474894	2.3804897	32103
(43897)	14.9	233.87800	43.61794	38.24942	3.10145	0.1578438	2.4482678	32104
(43898)	15.6	275.97720	197.60693	179.92197	2.15878	0.2109210	2.4400264	32104
(43899)	15.4	319.23321	139.82690	240.44320	8.29767	0.2104259	2.3199561	32104
(43900)	14.7	300.98865	220.01669	149.60991	2.89306	0.2172596	2.3903508	32105
(43901)	16.1	335.74512	103.50713	201.89391	1.80804	0.1822517	2.4015907	32105
(43902)	16.2	16.99381	141.15713	125.07780	3.84560	0.1659246	2.4184556	32105
(43903)	15.3	318.61622	152.04034	227.52006	5.97098	0.2096369	2.3330996	32106
(43904)	14.4	324.04584	138.64228	198.11522	8.20091	0.2779797	2.3808646	32106
(43905)	15.4	302.91058	145.26442	235.48549	1.47463	0.2169987	2.3674553	32106
(43906)	15.6	272.83285	292.05691	106.87563	3.29443	0.1744205	2.4281006	32106
(43907)	14.5	273.45352	177.44758	225.58212	4.04922	0.1921653	2.4197104	32107
(43908)	14.2	297.26619	308.49681	51.45134	8.43181	0.0972206	2.4608275	32107
(43909)	13.9	153.68098	244.43947	228.93026	26.32487	0.1344413	2.6280944	32107
(43910)	15.4	26.83475	138.15835	100.91759	6.12861	0.1188868	2.5567307	32108
(43911)	14.5	31.54235	354.92591	229.44167	26.21040	0.1485025	2.6078034	32108
(43912)	15.0	141.86469	18.40347	126.00095	14.58658	0.0107644	2.6738567	32109
(43913)	15.6	305.85447	205.43756	165.04985	2.07130	0.2568409	2.4035318	32109
(43914)	14.8	279.15210	163.52711	216.70002	4.75392	0.1947483	2.4685527	32109
(43915)	15.0	23.48704	125.82626	100.17682	6.88622	0.2217295	2.6564757	32109
(43916)	13.5	229.55027	130.42551	310.11259	11.05277	0.1234555	2.5679137	32110
(43917)	16.5	346.23574	231.61940	85.63287	7.26874	0.1587633	2.4084080	32110
(43918)	15.1	311.48226	197.60529	147.29699	5.55891	0.2477379	2.5628312	32110
(43919)	14.0	191.05393	344.12480	134.91820	15.37543	0.1383444	2.5964712	32111
(43920)	13.0	119.82341	80.88521	72.14789	10.28505	0.1004964	2.7588297	32111
(43921)	13.8	230.75486	112.42141	317.10429	11.18792	0.0159955	2.6471436	32111
(43922)	14.2	246.57176	110.07800	314.56850	21.70178	0.1177063	2.5712901	32112
(43923)	14.3	299.95216	11.86518	10.31694	6.88734	0.0443576	2.5961996	32112
(43924)	14.5	123.08813	210.50751	317.41274	4.41649	0.0314265	2.7621271	32112
(43925)	14.4	145.77559	199.40516	320.86541	13.88604	0.0785568	2.5830577	32113
(43926)	13.4	230.28265	120.26540	340.87398	13.23068	0.1496400	2.5831962	32113
(43927)	14.6	301.56616	208.53881	177.66994	13.29634	0.2559050	2.6820040	32114
(43928)	14.4	8.76152	32.87297	230.83248	3.98501	0.1379959	3.0762412	32114
(43929)	14.8	200.86318	6.95614	85.92304	3.29188	0.0559250	2.9316448	32114
(43930)	15.8	262.48621	79.78027	127.59583	7.80697	0.0577567	2.3511790	32114
(43931)	13.1	277.78688	258.69486	166.18988	21.61528	0.0722465	3.2271401	32115
(43932)	15.0	191.38520	82.37223	322.87207	5.37855	0.1823448	2.2572508	32115
(43933)	15.0	51.51657	262.64052	147.91694	3.91120	0.0640766	2.6545756	32115
(43934)	13.7	275.13946	142.98403	338.58516	0.55384	0.0429048	3.0157937	32116
(43935)	15.5	327.15626	48.99067	272.44616	2.92024	0.1379488	2.1388830	32116
(43936)	13.3	333.93136	207.38014	204.78276	16.50368	0.0882805	3.1672235	32117
(43937)	15.8	83.68274	144.43390	39.11959	6.91608	0.1226259	2.2778250	32117
(43938)	14.1	92.97929	162.48755	181.70736	13.56755	0.1871857	2.7389593	32117
(43939)	16.7	250.44833	269.95166	25.69623	0.65247	0.2186297	2.3258821	32117
(43940)	12.1	291.80618	302.24954	86.75221	6.48418	0.2306920	3.9477523	32118
(43941)	14.4	192.39335	168.92265	296.20054	6.23992	0.0538613	2.3033913	32118
(43942)	14.1	227.34994	148.03472	276.10712	6.99737	0.0799723	2.3103293	32118
(43943)	15.0	224.56624	126.86555	319.23190	3.93461	0.1235167	2.2704987	32119
(43944)	14.3	217.77792	24.29619	56.14717	4.90133	0.1177133	2.2965136	32119
(43945)	14.2	297.03893	61.86984	305.23361	24.81127	0.2012033	2.2658915	32120
(43946)	15.2	211.68271	197.24947	271.03803	7.86118	0.1182610	2.1989413	32120
(43947)	14.5	131.45330	335.76942	169.31908	4.73135	0.0978327	2.4220265	32120
(43948)	14.6	208.17093	136.36942	323.15917	6.17682	0.0395446	2.3025320	32121
(43949)	15.0	93.18300	83.35123	98.00040	7.65848	0.0598225	2.4173969	32121
(43950)	14.2	52.41490	33.94241	143.64622	7.55310	0.2258093	2.6413497	32122
(43951)	15.9	340.12841	87.28701	221.51121	1.61345	0.2085820	2.3993635	32122
(43952)	16.1	175.01892	338.02913	129.62508	7.51370	0.0494234	2.3930266	32122
(43953)	15.1	281.18697	254.77819	164.98429	4.88720	0.1180546	2.2219827	32123
(43954)	14.6	217.96790	131.39590	325.11988	6.95673	0.0550140	2.2729511	32123
(43955)	16.7	300.15395	153.77994	198.85310	0.27618	0.0406217	2.3664045	32123
(43956)	15.3	137.77449	158.47132	355.49011	2.61952	0.1117650	2.3937680	32124
(43957)	14.4	148.69045	321.98516	138.77402	8.50339	0.1470023	2.5559716	32124
(43958)	16.2	290.60582	335.07564	36.30515	2.72678	0.2324433	2.2747801	32125
(43959)	13.7	228.51713	112.50181	321.01508	5.94929	0.0672077	2.3537497	32125
(43960)	15.7	334.41312	40.00802	291.40745	6.22642	0.2082091	2.3117620	32125
(43961)	15.2	247.21980	232.06593	165.02384	2.24604	0.1418887	2.4817520	32126
(43962)	15.4	244.72908	97.01501	308.47544	2.14457	0.1582898	2.3763078	32126
(43963)	16.0	303.26160	200.01278	169.90959	5.43497	0.1892483	2.2531548	32127
(43964)	14.5	253.11181	80.04303	331.90463	6.79124	0.0923610	2.2423935	32127
(43965)	15.9	349.09724	129.42629	161.44559	0.90967	0.1657775	2.6090546	32127
(43966)	15.3	205.46703	318.68120	148.52810	6.02158	0.1851925	2.2911357	32128
(43967)	14.9	209.66648	57.53079	24.94929	6.51176	0.1867005	2.4401249	32128
(43968)	15.9	43.11261	25.27783	187.79152	4.52089	0.1679874	2.6753283	32129
(43969)	15.3	344.01352	135.80448	171.82848	0.59068	0.1060134	2.5744461	32129
(43970)	15.2	269.00829	179.26242	181.31197	2.98510	0.1826869	2.5826000	32129

(43971)	15.7	16.62086	78.80369	184.14169	2.33592	0.1761447	2.6471125	32129
(43972)	14.3	352.27807	89.35324	208.29388	10.57567	0.1812390	2.6837037	32130
(43973)	14.8	300.05100	138.12607	206.71181	12.20637	0.1412835	2.6826350	32130
(43974)	15.0	242.39215	195.91380	179.83898	2.59849	0.1229943	2.6560048	32130
(43975)	14.9	217.36664	162.70570	281.70308	1.99232	0.1467885	2.4360994	32131
(43976)	14.9	273.41386	78.40011	333.26320	5.01401	0.2360801	2.3525396	32131
(43977)	14.6	241.02645	149.13801	276.15909	1.74104	0.1853025	2.4186096	32131
(43978)	14.7	319.60588	106.11858	215.68561	6.33904	0.1169352	2.6160725	32132
(43979)	15.3	87.35392	303.91581	225.79272	2.49681	0.2242103	2.6238152	32132
(43980)	15.9	343.82800	293.53190	28.84328	1.16738	0.1445229	2.5183376	32132
(43981)	14.7	354.48046	286.05645	356.22860	1.08314	0.2023472	2.7436147	32133
(43982)	14.2	205.32062	303.69573	148.53921	8.34309	0.2117846	2.5432394	32133
(43983)	14.1	254.27823	173.62852	219.16949	11.55470	0.2870838	2.6580731	32133
(43984)	15.2	341.15481	304.92048	351.38272	3.07624	0.0853773	2.6984772	32133
(43985)	15.5	108.93265	113.21643	61.24100	3.56863	0.0339971	2.6163212	32134
(43986)	15.1	56.09888	357.64258	234.79140	6.80805	0.0789093	2.6171395	32134
(43987)	14.8	60.66051	76.89264	132.95897	13.20128	0.1271668	2.7248318	32134
(43988)	15.1	239.03601	286.05804	113.79126	6.21052	0.0051999	2.7137272	32135
(43989)	14.8	288.43222	187.14208	151.80495	15.96831	0.1505067	2.8919263	32135
(43990)	15.2	88.59117	12.24300	175.52600	4.08507	0.1492302	2.6629258	32135
(43991)	14.7	284.81878	273.07070	121.82505	12.57368	0.2818549	2.6392218	32136
(43992)	13.5	261.52783	115.45077	295.73867	4.73603	0.1001220	2.9126712	32136
(43993)	13.9	8.94905	18.63012	304.99787	11.80969	0.2374348	2.7265563	32136
(43994)	15.5	350.19612	203.65886	82.74819	1.96584	0.2446541	3.0471960	32137
(43995)	16.5	53.38916	218.64548	254.35589	2.19857	0.0748479	2.1733036	32137
(43996)	14.7	332.09266	144.42819	205.44172	1.57687	0.0945017	2.8562289	32137
(43997)	14.7	268.57680	46.64375	335.94067	8.75797	0.0644313	3.0988219	32137
(43998)	13.6	1.38017	90.65656	174.03211	16.43735	0.2007128	3.1613275	32138
(43999)	15.8	205.29243	285.26547	16.09091	1.55604	0.0610330	2.1405504	32138
(44000)	13.9	51.94810	254.00599	345.19585	13.16103	0.0445771	3.1072372	32139
(44001)	13.2	256.25816	111.16719	310.79733	4.75132	0.1505180	3.0865287	32139
(44002)	15.0	345.04589	303.06345	20.62790	0.62351	0.1493576	3.0056053	32139
(44003)	13.7	229.49182	131.72598	323.78020	1.25274	0.1411658	3.1356014	32140
(44004)	14.6	61.71784	331.26542	47.84447	5.98099	0.1993583	2.4592769	32140
(44005)	13.5	347.34713	359.65017	309.44738	9.99826	0.0927776	2.9868163	32141
(44006)	14.5	109.10434	184.39518	143.82886	6.33061	0.2577659	2.4170787	32141
(44007)	13.9	329.76434	147.12968	190.00259	1.46106	0.1395110	3.0586141	32141
(44008)	14.9	177.28398	152.15363	172.66856	5.35340	0.2179951	2.2031613	32142
(44009)	13.9	301.85338	213.36412	159.67856	5.94933	0.1715572	3.1048411	32142
(44010)	14.9	123.58807	281.91568	51.24852	9.71077	0.2998241	2.3471352	32142
(44011)	13.2	18.97084	117.08541	206.59546	8.61305	0.0782580	3.0579552	32143
(44012)	15.8	209.72887	192.24314	114.85353	3.59963	0.1154845	2.2145958	32143
(44013)	14.7	7.10927	189.60353	210.51803	8.07020	0.1162131	2.7190371	32144
(44014)	14.0	73.01147	283.48195	38.71339	3.70765	0.1068290	2.8053744	32144
(44015)	14.6	250.68159	13.59766	113.88106	3.17940	0.0551291	2.9490337	32145
(44016)	13.2	334.68276	89.40516	8.76245	11.26914	0.1596054	2.6452706	32145
(44017)	13.4	270.17953	147.66158	287.63877	3.72308	0.1026100	3.2011105	32145
(44018)	14.6	127.87310	117.73718	250.02297	4.56817	0.2062450	2.3307226	32146
(44019)	14.6	27.71708	183.28477	198.09330	4.31895	0.1309208	2.7324201	32146
(44020)	14.2	91.90866	256.17127	118.35977	3.84619	0.2061392	2.4434039	32146
(44021)	13.8	40.47557	310.01798	78.86406	16.04036	0.1378560	2.6364907	32147
(44022)	14.8	287.27348	4.57993	86.89895	7.04292	0.0938734	3.0132336	32147
(44023)	14.0	3.19205	186.12589	246.38932	2.65966	0.0756642	2.6524542	32147
(44024)	14.0	101.75163	23.67688	285.55545	4.40541	0.3061720	2.5929708	32148
(44025)	14.0	45.82941	257.68195	106.71197	6.50024	0.0899535	2.7617741	32148
(44026)	12.5	288.28860	83.43269	349.60376	17.12001	0.0956153	3.3416991	32149
(44027)	14.1	2.95290	51.70794	350.84400	12.21230	0.2513719	2.6301838	32149
(44028)	13.2	291.27972	254.17335	314.11544	11.93995	0.1230909	2.6872739	32149
(44029)	15.9	58.79652	74.74761	110.48149	3.81933	0.2114212	2.2591406	32150
(44030)	15.8	352.27436	288.50831	323.19932	4.39339	0.0875846	2.1899195	32150
(44031)	15.8	57.65374	34.29614	147.31055	7.34511	0.0949960	2.2487283	32150
(44032)	16.0	46.55548	32.82399	154.30245	3.80658	0.0963124	2.3014416	32150
(44033)	15.7	43.61170	186.20445	46.77967	1.95745	0.1308350	2.1776921	32151
(44034)	15.4	21.67859	139.41320	100.97396	2.09150	0.1672839	2.2140473	32151
(44035)	15.5	55.13912	53.92915	128.30536	8.24163	0.0642227	2.2789961	32151
(44036)	16.5	333.50033	263.04363	43.29637	1.95274	0.2339691	2.1835608	32152
(44037)	16.2	326.48188	165.72670	141.44114	6.21020	0.1917866	2.2654288	32152
(44038)	15.6	335.69812	292.22889	15.94600	4.88666	0.1804288	2.2170532	32152
(44039)	15.1	21.52745	177.39019	41.57738	2.33360	0.0695277	2.3108600	32153
(44040)	15.0	272.62536	143.36863	123.87407	4.40472	0.0841539	2.5862632	32153
(44041)	15.8	11.57171	90.60514	175.56071	1.27320	0.0663597	2.2583191	32153
(44042)	15.3	359.23945	109.75520	170.83915	6.26831	0.2072234	2.2468665	32154
(44043)	15.3	350.79307	290.41209	3.54535	5.57535	0.1752229	2.2149618	32154
(44044)	16.1	69.61565	19.78525	135.91857	5.56251	0.1619103	2.3412935	32155
(44045)	16.1	198.97453	315.88644	96.51519	2.52746	0.1567016	2.2148470	32155
(44046)	16.4	4.78591	138.39555	145.44636	4.23798	0.1189001	2.2138187	32155
(44047)	15.1	34.65884	174.50653	174.38008	22.66798	0.0782131	1.9156129	32156
(44048)	15.0	113.94960	29.31261	122.31646	7.13323	0.0577938	2.3217294	32156
(44049)	15.2	301.34458	229.51840	115.17974	8.09744	0.1835341	2.3465134	32156
(44050)	15.5	51.96794	57.25667	165.82755	1.79849	0.0844545	2.2124496	32157
(44051)	15.1	17.42471	144.81429	106.10542	6.13347	0.1697243	2.2417206	32157
(44052)	15.3	10.88170	117.73461	157.20476	5.32972	0.1470499	2.3450713	32158
(44053)	15.1	1.89978	104.51744	143.86791	5.11569	0.1040930	2.2848937	32158
(44054)	16.0	169.17997	354.98388	111.56328	3.12419	0.0520732	2.1562912	32158
(44055)	13.4	90.56599	99.82642	341.84304	14.47371	0.0618967	2.5560198	32159
(44056)	15.9	23.89314	230.11931	27.81743	2.39926	0.1033581	2.2126148	32160
(44057)	16.3	358.97072	85.22556	215.50052	4.74005	0.0866042	2.1439237	32160
(44058)	15.5	44.04222	268.99417	326.78355	3.27142	0.0978172	2.2058946	32160
(44059)	15.4	350.30895	335.62392	317.79747	4.08763	0.1748327	2.2285596	32161
(44060)	14.6	251.44352	172.52924	204.26497	3.75031	0.1745937	2.2013225	32161
(44061)	15.1	135.62405	279.18203	191.90835	4.52215	0.0408524	2.2847320	32162
(44062)	15.7	65.28031	196.62784	13.67630	2.49287	0.1204329	2.2212108	32162
(44063)	14.8	6.96875	250.70725	12.17201	5.99522	0.1513770	2.2807870	32162
(44064)	14.7	241.49705	183.56533	223.41675	3.05213	0.0854708	2.1472449	32163
(44065)	15.9	142.61481	278.70273	181.51595	7.63131	0.0968445	2.2879832	32163
(44066)	15.5	55.64315	52.18399	162.61911	5.40438	0.0776712	2.2396036	32164
(44067)	14.6	347.41104	245.15849	51.87914	4.30826	0.1594621	2.2375302	32164
(44068)	15.3	154.14488	281.58951	174.95506	6.67015	0.0596098	2.2793533	32164
(44069)	15.4	309.87836	76.65031	270.19954	1.30733	0.1184578	2.1730520	32165
(44070)	14.6	338.76757	97.17085	199.06728	6.70061	0.1312956	2.2754603	32165
(44071)	14.6	138.60142	214.47679	291.79175	2.61613	0.0578345	2.1882783	32166
(44072)	15.7	51.41087	318.31412	253.85115	2.36425	0.1089102	2.2876145	32166
(44073)	15.6	10.41099	58.71324	204.96305	5.91597	0.1378070	2.2862644	32167
(44074)	15.3	267.50699	284.36350	352.67428	2.50822	0.0729284	2.6469204	32167

(44075)	15.4	176.75059	44.32396	55.55535	3.56002	0.0754947	2.1978114	32168
(44076)	16.0	105.55456	3.22562	154.87667	2.87187	0.0969174	2.2537946	32168
(44077)	15.2	34.82075	187.46034	46.04861	4.86893	0.1264214	2.2882024	32168
(44078)	15.9	23.44619	101.94545	150.16871	4.46783	0.1298037	2.2761261	32169
(44079)	15.5	20.22875	356.66367	246.54214	1.37430	0.1175486	2.3202053	32169
(44080)	16.0	10.33019	72.00392	184.85071	2.60898	0.1407620	2.3230732	32169
(44081)	15.0	300.34974	128.74863	189.95178	6.04262	0.1349411	2.3619346	32170
(44082)	14.8	272.27574	219.97245	165.33416	2.09852	0.1278623	2.1722516	32170
(44083)	15.2	334.11372	180.33257	126.43808	5.93184	0.0984665	2.2591661	32171
(44084)	14.8	320.85363	175.18486	148.78102	6.76812	0.1460106	2.2689566	32171
(44085)	15.4	39.16273	131.94074	83.35313	3.70550	0.1319793	2.3019211	32172
(44086)	15.2	80.25552	57.80628	126.02568	3.80240	0.0827484	2.2112054	32172
(44087)	15.6	19.48952	343.48737	255.60486	5.89015	0.1096530	2.2936202	32173
(44088)	15.7	18.08687	279.02911	330.48570	6.38987	0.1323672	2.2774509	32173
(44089)	15.0	45.12246	343.85929	255.52533	3.32880	0.0482201	2.1922894	32173
(44090)	15.2	29.96802	3.61293	244.47213	3.87996	0.0617591	2.2264719	32174
(44091)	15.0	312.03857	86.05349	248.43208	5.48983	0.1724276	2.2255617	32174
(44092)	15.2	14.38197	15.91923	245.43849	4.33490	0.1494024	2.2732431	32174
(44093)	15.7	359.59499	36.23907	228.31402	6.33684	0.1139370	2.3069660	32175
(44094)	14.6	18.91507	334.09104	294.92251	5.38522	0.1444124	2.2385634	32175
(44095)	14.6	339.31376	55.05522	253.68822	5.72953	0.2053378	2.2673172	32176
(44096)	14.8	345.10795	22.26423	260.51383	5.82374	0.1047980	2.3131118	32176
(44097)	14.4	261.30437	123.27273	248.07689	5.93348	0.1481555	2.2954990	32177
(44098)	14.7	194.19997	162.25419	295.48928	3.41183	0.0510059	2.1681103	32177
(44099)	15.7	114.33153	210.14941	304.75888	2.87434	0.1193438	2.2568522	32178
(44100)	15.1	341.75709	355.48584	274.02001	3.78430	0.1237510	2.3911519	32178
(44101)	14.9	17.50568	76.29512	185.41489	5.02304	0.1491594	2.2619682	32178
(44102)	16.6	101.54462	74.20241	105.06029	1.58863	0.0735552	2.1741914	32179
(44103)	15.3	13.66824	138.43827	93.69943	7.11848	0.0874317	2.2985006	32179
(44104)	14.3	59.02716	73.83884	146.58159	8.76534	0.1423224	2.2985061	32180
(44105)	15.4	19.13681	247.73897	1.38716	5.71843	0.1533925	2.3096903	32180
(44106)	16.3	321.47124	219.40437	102.38463	4.20679	0.1480264	2.2877560	32181
(44107)	15.1	271.62254	275.59768	75.41820	7.56704	0.1292831	2.4182166	32181
(44108)	14.7	14.50462	225.38204	47.92701	5.89671	0.0618294	2.2574687	32181
(44109)	15.5	202.64285	277.90544	162.72937	5.19203	0.1213481	2.2647555	32182
(44110)	15.8	349.66458	141.95369	123.14254	2.85717	0.2083227	2.4093972	32183
(44111)	16.3	22.93566	150.82932	100.04193	3.21468	0.1828022	2.3544813	32183
(44112)	15.3	1.28825	321.75797	298.31314	3.86408	0.1100352	2.3206367	32183
(44113)	15.3	141.75122	37.58488	117.16869	5.11544	0.0756298	2.1959292	32184
(44114)	16.0	332.03681	120.66215	201.49216	4.84328	0.0539190	2.1820573	32184
(44115)	15.3	337.84110	60.95067	229.96989	22.26375	0.1116004	2.4083597	32185
(44116)	16.1	293.00874	231.51091	140.89847	3.54508	0.1338789	2.2434835	32185
(44117)	14.7	44.39342	95.55093	124.82462	3.87912	0.0709505	2.3581455	32185
(44118)	14.3	345.86478	139.10566	168.50199	24.18664	0.1453786	2.2952963	32186
(44119)	15.3	327.04453	103.84871	195.35895	6.19281	0.1266816	2.3234724	32186
(44120)	15.4	340.87929	253.67232	40.15197	2.54805	0.1622469	2.3107806	32187
(44121)	15.6	338.75445	256.95610	53.01662	4.09110	0.1567836	2.2558679	32187
(44122)	15.7	332.84184	143.27257	157.29614	5.56547	0.1712478	2.3143299	32187
(44123)	15.7	311.20940	241.51751	114.21858	2.30411	0.1269980	2.1631136	32188
(44124)	16.0	24.33250	337.77009	258.24366	2.74226	0.1527229	2.3365107	32188
(44125)	14.1	352.76971	52.64026	234.81168	3.66274	0.1566654	2.2997443	32189
(44126)	15.0	277.66055	142.50394	209.83997	6.28467	0.1342337	2.3018078	32189
(44127)	14.8	326.10286	117.65601	180.71730	6.59337	0.1251113	2.3412750	32190
(44128)	15.2	7.72663	20.61383	251.29846	3.13406	0.1852647	2.3021373	32190
(44129)	15.5	353.22141	4.88715	306.49608	3.74883	0.1899054	2.2371791	32191
(44130)	14.2	329.25043	248.52035	59.31012	5.18582	0.2112400	2.3613812	32191
(44131)	14.8	330.36230	68.87566	229.57475	2.44056	0.2037280	2.3649652	32191
(44132)	15.6	178.06708	232.19453	243.40158	4.84344	0.0243032	2.2069551	32192
(44133)	15.8	2.67694	58.84876	220.16204	4.10248	0.1383437	2.3035200	32192
(44134)	15.9	356.73760	16.69862	278.52285	2.20291	0.2313542	2.3151671	32193
(44135)	15.3	102.89147	296.85994	237.06785	5.77129	0.1004489	2.2548537	32193
(44136)	15.3	183.19216	195.80881	267.98390	3.74083	0.0387886	2.2294155	32194
(44137)	15.4	341.50761	126.23568	117.03614	2.24492	0.1405131	2.5217952	32194
(44138)	15.7	39.17111	24.92729	193.89194	6.69754	0.1415198	2.3560127	32194
(44139)	15.6	335.18875	328.11724	343.14657	1.29699	0.0409305	2.2672331	32195
(44140)	15.3	276.42861	102.44052	247.63366	1.71535	0.1782058	2.3921915	32195
(44141)	15.4	92.37035	102.62474	79.85348	5.11994	0.0969569	2.2738367	32196
(44142)	16.0	347.00257	126.31213	185.28148	3.61686	0.2531066	2.3157975	32196
(44143)	15.3	0.27628	299.30371	347.18076	4.02714	0.1361355	2.3109111	32196
(44144)	14.3	101.51789	270.17229	263.83401	4.63015	0.0958888	2.2749485	32197
(44145)	15.4	324.77704	137.81255	182.60220	3.22182	0.2423740	2.3675354	32197
(44146)	15.9	29.39251	23.93363	230.41566	5.89768	0.0876519	2.3090772	32197
(44147)	14.5	96.52341	132.83416	45.95835	7.19350	0.0423047	2.3188863	32198
(44148)	15.0	48.06557	109.05830	129.35221	6.82175	0.1409807	2.2452054	32198
(44149)	15.1	1.85114	146.21033	106.99103	8.65171	0.1496465	2.3728774	32199
(44150)	14.3	347.58515	220.50362	92.67963	7.28540	0.1013542	2.2141537	32199
(44151)	14.8	278.31529	246.17331	121.89911	5.58449	0.1687382	2.2658614	32200
(44152)	15.3	328.99068	135.60350	173.71072	7.37293	0.1200097	2.3435707	32200
(44153)	15.7	7.28490	108.92315	162.28051	7.16681	0.0937322	2.3176902	32200
(44154)	14.8	341.19509	20.05053	175.34793	9.32882	0.1038491	2.7400255	32201
(44155)	15.2	146.49440	9.17493	139.53809	4.83806	0.0928273	2.1998330	32201
(44156)	14.7	332.97753	202.79802	109.39593	8.95904	0.1407052	2.3277352	32201
(44157)	15.6	309.85917	179.93398	153.08117	9.70929	0.2675405	2.3940442	32202
(44158)	15.3	328.48232	146.43462	137.02580	6.35712	0.0954903	2.3228635	32202
(44159)	15.9	321.35859	86.66859	145.00868	2.48499	0.1342101	2.5842623	32203
(44160)	15.3	66.70844	113.33441	115.65784	4.80140	0.1183051	2.1826726	32203
(44161)	16.4	8.61576	154.43241	105.99226	6.87641	0.1880602	2.3337242	32204
(44162)	14.6	48.07504	176.32502	49.18391	7.81106	0.0605011	2.3412421	32204
(44163)	16.2	30.00525	244.04311	5.12397	0.95689	0.1706882	2.3413035	32204
(44164)	14.8	347.21774	44.40613	266.83504	4.58549	0.1605320	2.2692218	32204
(44165)	15.2	168.80709	233.41647	214.36284	11.48591	0.0882899	2.3542422	32205
(44166)	14.7	285.80120	288.64638	103.99952	4.72395	0.1294178	2.1988886	32205
(44167)	14.8	113.16449	49.28160	96.09282	8.21795	0.0677435	2.3632653	32206
(44168)	15.6	310.38696	115.98789	223.51770	9.80670	0.3295357	2.4321170	32206
(44169)	14.3	304.70648	254.43199	80.65103	14.73275	0.2818224	2.4587744	32206
(44170)	14.9	141.35383	297.42488	206.57694	6.68295	0.1123006	2.2490233	32207
(44171)	14.6	22.89597	96.42098	130.47892	7.33441	0.1462565	2.4382567	32207
(44172)	13.6	3.38446	31.75473	227.50812	16.16207	0.0718406	2.5686651	32208
(44173)	15.3	30.66364	219.77090	14.66642	4.42828	0.1476068	2.3536082	32208
(44174)	15.6	104.01318	43.48292	139.35533	2.23174	0.1399892	2.2379656	32209
(44175)	14.3	238.61922	318.00390	102.12052	5.51450	0.1789661	2.2373866	32209
(44176)	15.8	32.46706	149.12867	47.18880	4.54298	0.0788969	2.5216097	32209
(44177)	15.2	73.39203	0.86829	186.50981	2.46043	0.1505575	2.3540587	32210
(44178)	14.9	28.47026	299.81663	297.06601	4.40393	0.1898044	2.3863563	32210

(44179)	15.7	332.12204	78.42175	252.06201	4.88125	0.1634530	2.3206657	32211
(44180)	14.5	62.71973	41.48902	216.57193	3.57656	0.1200345	2.2029258	32211
(44181)	14.2	273.34634	91.11463	125.87190	10.93776	0.0623861	3.1223730	32212
(44182)	14.5	348.55602	208.06399	74.23817	8.62886	0.1152612	2.4211990	32212
(44183)	15.1	64.98704	164.80007	66.18682	2.88134	0.1060688	2.2843402	32212
(44184)	15.0	26.67794	72.32359	169.76444	2.72584	0.1211170	2.3982451	32213
(44185)	15.1	354.72984	119.07649	151.16992	9.26133	0.1733289	2.4472859	32213
(44186)	14.5	20.33811	50.19810	204.14575	9.24256	0.1429137	2.4038928	32214
(44187)	13.5	201.99853	274.01587	172.58593	12.29106	0.1315261	2.3482731	32214
(44188)	15.7	200.77915	211.65018	237.84041	4.96763	0.0696677	2.2802341	32215
(44189)	15.4	324.07081	80.71919	249.02007	1.23678	0.2267463	2.3898739	32215
(44190)	14.3	65.23848	226.69153	324.87475	3.83557	0.1525670	2.3682855	32215
(44191)	15.0	28.39934	105.70267	157.70725	7.09307	0.1451255	2.3528195	32216
(44192)	14.1	339.66942	103.19566	137.32523	13.99879	0.1816245	2.5360444	32216
(44193)	15.9	5.22198	54.17975	211.92560	6.33966	0.0986961	2.3893275	32216
(44194)	15.2	306.95278	89.58119	223.03415	14.20075	0.1472377	2.5402745	32217
(44195)	14.9	356.90363	126.97793	153.28000	9.08668	0.2534316	2.5453516	32217
(44196)	15.2	346.41621	173.96819	156.18486	7.06501	0.1333379	2.2998268	32217
(44197)	13.7	137.08845	13.52990	116.68334	14.48165	0.1192094	2.6090798	32218
(44198)	14.8	276.08653	74.29240	301.06080	2.19507	0.1734406	2.5159064	32218
(44199)	14.5	330.55508	121.65142	171.79821	17.40706	0.3167905	2.5579561	32218
(44200)	15.1	336.24866	121.12090	211.92616	2.04497	0.3227881	2.4246343	32219
(44201)	14.3	263.87272	82.42772	264.13769	10.76375	0.2442770	2.7623004	32219
(44202)	14.9	24.45129	348.64661	289.28925	11.56328	0.1740256	2.3794919	32219
(44203)	14.5	314.00933	116.19358	267.92107	7.26853	0.2458714	2.3752881	32220
(44204)	14.2	330.76099	19.57890	287.51094	10.70975	0.1648657	2.5437745	32220
(44205)	15.4	353.77883	64.66627	242.52938	3.91453	0.1985087	2.4223721	32220
(44206)	13.7	346.14014	37.29165	242.46925	13.40511	0.1573973	2.6118634	32221
(44207)	14.8	310.11055	92.11697	243.64768	12.03066	0.1944179	2.5905915	32221
(44208)	13.7	91.44028	242.97555	305.57545	11.64886	0.0920076	2.6213526	32221
(44209)	14.3	299.58834	44.36324	283.25982	7.90517	0.1791937	2.7340501	32222
(44210)	15.8	6.88599	306.18715	308.66348	2.79928	0.2100800	2.6046097	32222
(44211)	16.0	328.67464	276.58015	36.06247	3.41649	0.1792450	2.5348985	32222
(44212)	16.1	331.53511	289.71028	16.50780	3.73386	0.1393364	2.5949145	32223
(44213)	14.1	352.05762	141.43665	140.96087	13.25582	0.1686924	2.6050026	32223
(44214)	14.1	220.21920	283.91165	142.27844	12.48555	0.1392523	2.7051471	32223
(44215)	13.1	0.54679	313.21181	326.86270	12.50139	0.1376527	2.5842022	32224
(44216)	13.9	171.23284	203.33206	278.40905	13.90711	0.1934994	2.6453309	32224
(44217)	13.0	186.28793	145.64940	275.40978	13.62222	0.0624332	2.5803810	32224
(44218)	14.0	351.97362	136.44403	142.47709	8.63833	0.1515978	2.6365556	32225
(44219)	14.6	338.87325	132.22847	147.31127	31.25521	0.0910637	2.7248686	32225
(44220)	15.4	332.52442	33.39272	313.66658	4.21493	0.2219829	2.4338750	32226
(44221)	14.0	310.62571	181.92034	143.08257	14.56087	0.1499110	2.6131961	32226
(44222)	13.9	352.18759	312.86360	291.18332	7.95137	0.1024208	2.7709629	32226
(44223)	14.0	295.04162	65.31601	295.34726	7.76905	0.0587366	2.5351430	32227
(44224)	15.1	335.18546	63.92411	303.29371	9.72531	0.2816735	2.3973355	32227
(44225)	14.5	323.72505	270.56996	60.17552	2.72169	0.1327951	2.5258573	32228
(44226)	14.1	264.90846	105.70158	297.01033	10.77489	0.1841801	2.5715082	32228
(44227)	13.3	117.19397	245.31569	293.19462	13.66965	0.1090713	2.4744810	32228
(44228)	14.9	294.43142	33.37121	341.86074	3.28628	0.2023364	2.5497953	32229
(44229)	14.7	285.52854	47.47489	302.20874	9.11977	0.0411399	2.7037198	32229
(44230)	13.6	321.61944	248.83495	65.34293	4.45506	0.1059194	2.6441619	32229
(44231)	14.9	317.77834	200.41574	148.21208	12.07107	0.1776885	2.5410730	32230
(44232)	13.2	65.08748	312.77355	265.09350	33.58071	0.1804799	2.7607761	32230
(44233)	14.5	338.92717	263.72968	63.82513	0.29789	0.0808184	2.6480215	32230
(44234)	13.8	311.55985	95.14313	292.70935	11.72370	0.1886321	2.7005180	32231
(44235)	15.0	40.98021	228.15033	31.49039	4.56214	0.0955162	2.4895659	32231
(44236)	15.4	299.43355	151.78589	212.56271	2.78327	0.1272686	2.5761975	32232
(44237)	14.3	268.46872	67.57691	320.92474	14.38589	0.1241607	2.6378272	32232
(44238)	15.4	348.33599	135.28762	200.10440	1.89005	0.2089840	2.4437163	32232
(44239)	15.3	326.70585	303.74491	21.97036	5.69668	0.1761830	2.5744241	32233
(44240)	13.8	196.63641	163.51972	317.40261	13.10498	0.1196163	2.5350499	32233
(44241)	14.2	9.15256	61.76290	184.79970	9.05567	0.1075477	2.7675196	32233
(44242)	14.6	337.99407	75.21819	248.79258	4.97190	0.1393776	2.5548594	32233
(44243)	14.9	28.86537	312.02503	314.06128	6.94184	0.1306601	2.5336728	32234
(44244)	14.6	249.30988	252.38369	175.24247	7.80541	0.2764751	2.6616956	32234
(44245)	14.7	347.56969	120.10542	177.17818	8.18081	0.2351870	2.5786889	32235
(44246)	14.4	327.76672	157.98693	176.05105	14.72515	0.0994169	2.5765465	32235
(44247)	14.6	287.10340	112.66543	245.64594	4.04599	0.1350067	2.7039877	32235
(44248)	15.1	328.12930	325.46735	355.79017	4.21423	0.1594071	2.6102765	32236
(44249)	13.6	278.50219	52.09653	338.02799	13.91588	0.1270479	2.5991441	32236
(44250)	14.7	324.08274	87.97668	248.09658	4.23784	0.1513710	2.5895302	32236
(44251)	13.7	245.07215	271.94187	102.55789	3.44489	0.0771826	2.8606366	32237
(44252)	14.7	271.71527	41.08038	1.00629	3.58528	0.1523044	2.5892899	32237
(44253)	14.3	290.35461	302.94320	21.57940	1.98308	0.0802759	2.8543254	32238
(44254)	14.7	311.49223	153.08129	200.47129	7.31427	0.1237545	2.5920939	32238
(44255)	14.3	246.23057	247.24831	187.74991	8.63494	0.3135532	2.6899024	32238
(44256)	14.8	318.95442	358.82439	344.23885	7.51431	0.2005089	2.5826142	32239
(44257)	13.7	238.88612	282.53113	158.61541	22.54195	0.0847995	2.5471044	32239
(44258)	13.4	242.87278	267.71881	161.38130	12.93346	0.1683514	2.6421843	32239
(44259)	13.6	25.47160	80.25180	164.45673	12.42017	0.1430540	2.6938245	32240
(44260)	13.8	282.27093	238.17665	148.89247	15.81483	0.1248761	2.5926071	32240
(44261)	14.4	213.86112	344.43851	41.15697	2.79592	0.1458244	3.0838645	32241
(44262)	13.7	267.12465	122.66060	338.16139	22.72784	0.2812026	2.4437672	32241
(44263)	13.8	237.93074	75.30630	335.29393	8.35580	0.1419127	2.7491695	32241
(44264)	14.0	68.14850	41.74258	199.07921	13.93075	0.1501517	2.5569555	32242
(44265)	14.3	306.78181	158.87218	196.38781	10.26678	0.1532053	2.6564568	32242
(44266)	14.7	276.10154	68.35713	349.18176	3.24867	0.2675809	2.5750071	32242
(44267)	13.9	272.78140	72.40493	299.02376	2.70181	0.1313451	2.7699638	32243
(44268)	14.6	247.90541	184.15273	244.43130	3.55011	0.2715658	2.6112016	32243
(44269)	14.1	165.95109	314.05675	164.83698	14.54391	0.0368645	2.6232785	32243
(44270)	14.2	28.12416	62.89749	179.87727	11.68022	0.2367967	2.5363717	32244
(44271)	13.5	12.34828	48.64968	218.66031	8.22161	0.0624078	2.6209797	32244
(44272)	14.8	261.16768	118.32274	278.56215	10.72874	0.0597412	2.6187456	32245
(44273)	14.2	10.75602	42.73116	224.54966	13.19773	0.1750964	2.5971208	32245
(44274)	14.8	247.41795	196.34932	230.62555	10.26909	0.1404047	2.5906934	32245
(44275)	14.6	51.37329	297.63081	305.70315	12.36418	0.1319885	2.5354902	32245
(44276)	14.1	215.55437	244.21643	191.81503	21.72187	0.0457448	2.6587048	32246
(44277)	14.3	28.73954	302.09327	312.74975	12.84195	0.0795432	2.6298529	32246
(44278)	15.1	278.73871	160.71217	280.71602	12.07684	0.1759406	2.4132681	32247
(44279)	14.4	47.00542	29.44218	210.28941	12.29030	0.1284329	2.6131498	32247
(44280)	14.9	307.23287	119.19412	218.48610	9.69891	0.2496193	2.6913068	32247
(44281)	13.4	307.63361	40.80289	324.06138	13.65588	0.1487731	2.5998354	32248
(44282)	14.4	256.23389	121.86862	304.00793	10.37254	0.2571555	2.6823971	32248

(44283)	14.1	242.19244	216.45975	183.37789	14.96069	0.0920460	2.6142069	32248
(44284)	13.8	307.25520	121.43935	213.19758	13.66124	0.1487323	2.6045991	32249
(44285)	14.3	299.79321	67.58581	254.52128	14.01906	0.1540299	2.7158965	32249
(44286)	14.0	88.46907	325.19947	213.67568	11.50448	0.0937178	2.7283007	32249
(44287)	13.8	355.82950	330.54592	302.86405	12.54125	0.1545190	2.6923207	32250
(44288)	13.9	237.29648	157.50029	212.80933	10.36600	0.1124734	2.9766903	32250
(44289)	13.9	40.47606	29.23648	222.18524	12.10513	0.1536526	2.5703774	32250
(44290)	13.7	207.59974	182.75851	263.97557	11.54918	0.1334305	2.7665027	32251
(44291)	14.2	329.62834	77.49918	220.51679	10.76175	0.1717105	2.7357276	32251
(44292)	13.9	230.74580	117.71596	265.21913	10.37629	0.1164514	2.9980978	32252
(44293)	14.6	282.69758	136.40325	249.17899	13.17961	0.1123827	2.6349978	32252
(44294)	14.4	316.47646	66.75346	262.23456	10.09227	0.2003498	2.6889280	32252
(44295)	12.6	119.82776	272.88599	221.21993	9.85055	0.0413398	2.9953858	32252
(44296)	14.3	279.31971	169.93913	266.36255	13.06965	0.0317337	2.3934628	32253
(44297)	14.9	317.33253	175.95520	198.60539	13.45437	0.1977513	2.6290917	32253
(44298)	13.0	315.82284	202.19829	136.82810	16.25502	0.1515490	2.5847254	32254
(44299)	14.2	320.26638	25.98732	299.98536	13.52527	0.1325196	2.6337143	32254
(44300)	13.3	67.12915	256.49707	304.22445	12.79382	0.2271280	2.6405594	32254
(44301)	13.5	14.66647	306.37196	309.53867	11.54270	0.1279084	2.7111887	32255
(44302)	14.5	26.71217	131.94319	121.49971	3.56802	0.0352542	2.7322673	32255
(44303)	16.1	285.47099	263.53143	132.44075	3.93669	0.2081278	2.5886589	32256
(44304)	13.7	126.13074	349.81579	155.61129	12.81140	0.1369715	2.8631525	32256
(44305)	14.3	297.95888	231.01559	125.88245	5.69972	0.1210200	2.6636957	32257
(44306)	15.2	350.83562	168.41944	145.33819	8.74148	0.1720292	2.5649984	32257
(44307)	14.3	115.11270	55.48643	139.80760	13.71544	0.1134519	2.5410615	32257
(44308)	14.3	200.13570	327.28193	126.17326	10.08295	0.1238083	2.7660866	32258
(44309)	14.3	354.02302	61.61286	224.06879	12.97163	0.1419866	2.5475201	32258
(44310)	14.1	50.59408	290.62489	318.46450	12.35032	0.1299288	2.6201561	32258
(44311)	14.2	351.75176	348.79641	322.08257	11.89144	0.1383993	2.5286630	32259
(44312)	14.3	286.24355	34.22274	3.91353	5.16182	0.2108045	2.6207041	32259
(44313)	14.4	255.46189	207.09081	186.79379	5.88400	0.0255851	2.7922314	32259
(44314)	14.2	277.61019	224.45084	179.20800	12.45653	0.1853169	2.6670914	32260
(44315)	14.0	308.54971	96.14559	270.00790	13.72474	0.1730629	2.6707334	32260
(44316)	14.9	257.58801	252.25788	173.10601	3.47058	0.1909991	2.5697084	32260
(44317)	14.6	319.87406	177.43259	144.16657	13.93729	0.1807880	2.6422056	32261
(44318)	14.4	34.34345	99.14812	139.34723	9.92801	0.1315171	2.6425651	32261
(44319)	15.4	286.23813	243.53696	137.84280	4.25819	0.1319430	2.6041771	32262
(44320)	13.6	121.21371	198.83328	328.17310	12.24235	0.1139557	2.6870141	32262
(44321)	13.8	190.14784	285.01950	186.97673	21.63887	0.0326562	2.6507744	32262
(44322)	15.5	338.92292	77.65790	232.38964	3.81294	0.2198226	2.6183011	32263
(44323)	13.5	91.56927	38.24282	157.38828	13.70732	0.1050593	2.6891509	32263
(44324)	13.6	222.07975	293.35643	164.21748	12.36453	0.2402771	2.6862437	32263
(44325)	14.3	197.85234	122.40407	323.63978	3.40496	0.0347938	2.7680437	32264
(44326)	15.6	357.28105	34.47658	278.12264	3.69413	0.1678876	2.5316815	32264
(44327)	15.1	333.52713	107.37869	217.52172	3.57309	0.2594684	2.5836191	32264
(44328)	14.2	256.37056	146.43717	244.26448	5.51252	0.0309987	2.7843002	32265
(44329)	13.4	275.54050	114.80416	275.66060	1.15163	0.1290131	2.6685908	32265
(44330)	15.5	288.22307	100.67271	257.32298	0.89709	0.0945087	2.7556976	32266
(44331)	13.6	97.70028	203.89527	352.12990	13.17263	0.1028062	2.6956043	32266
(44332)	14.8	220.60302	221.22935	215.58412	9.76004	0.0856075	2.7741059	32266
(44333)	15.3	261.25666	252.48517	155.93214	11.62262	0.1817962	2.6808990	32267
(44334)	15.5	318.46778	252.59014	74.48966	3.74502	0.1206698	2.7068986	32267
(44335)	13.8	94.34617	37.93295	163.12545	13.96499	0.1242422	2.6686599	32267
(44336)	14.3	103.44780	70.82220	120.10759	3.22792	0.1320171	2.6920640	32268
(44337)	14.7	267.18284	128.59381	266.84782	0.96645	0.0905301	2.6981256	32268
(44338)	15.6	277.18620	225.39213	184.40595	1.90273	0.3073357	2.6513634	32268
(44339)	15.4	260.24079	197.38394	204.61535	1.69963	0.0896365	2.7143430	32269
(44340)	14.1	248.84510	244.25659	189.90050	15.38201	0.1521186	2.6507045	32269
(44341)	15.0	351.67410	350.30110	339.81874	10.93743	0.1500007	2.5280534	32270
(44342)	13.9	178.87851	254.00424	207.56584	11.07505	0.0265429	2.8663273	32270
(44343)	14.9	319.73860	97.76938	247.15425	2.53608	0.1005763	2.6517041	32270
(44344)	14.9	287.83946	22.48924	348.97805	2.31660	0.1286262	2.7142097	32271
(44345)	14.6	284.64017	144.32323	220.62929	5.06163	0.0558417	2.7790145	32271
(44346)	13.8	299.43767	123.54103	234.42282	6.42571	0.0928680	2.7287376	32271
(44347)	15.0	323.65925	29.46783	321.09931	1.57800	0.1899609	2.5945119	32272
(44348)	14.5	244.55481	264.26792	166.25894	13.29800	0.1428567	2.6857959	32272
(44349)	13.1	110.16769	318.95527	177.71917	24.42037	0.1027289	3.1872600	32272
(44350)	13.2	153.19876	344.04929	111.33742	6.29150	0.0779053	3.1574836	32273
(44351)	15.5	307.82293	222.77621	151.09177	8.03643	0.1888744	2.5874341	32273
(44352)	14.3	248.25051	160.33711	217.69493	10.65910	0.1253078	2.9896715	32274
(44353)	14.2	271.53770	302.06460	31.23637	6.07129	0.0753588	3.2008497	32274
(44354)	13.3	0.36483	57.28706	259.24382	12.34332	0.1817169	2.5767747	32274
(44355)	14.6	324.38038	71.16828	295.60151	12.64860	0.0777413	2.5543708	32275
(44356)	15.5	7.55269	267.72818	349.49182	1.18966	0.1543950	2.7452117	32275
(44357)	14.6	86.98599	168.93366	16.87853	4.02968	0.1385810	2.9375099	32275
(44358)	14.1	304.29110	170.68891	186.75157	13.41121	0.1780073	2.6884484	32276
(44359)	14.5	263.15558	209.08003	199.05469	8.97288	0.1606360	2.7303289	32276
(44360)	14.4	246.68732	212.79005	213.37688	5.89588	0.0842382	2.8554639	32276
(44361)	15.2	308.33810	285.60338	76.19885	4.75563	0.1303569	2.6222958	32276
(44362)	14.1	346.43685	156.08517	116.89713	9.67061	0.1051956	2.7514678	32277
(44363)	14.9	260.62030	128.20158	273.33539	0.81389	0.1839395	2.6591700	32277
(44364)	14.9	274.29152	117.03880	9.29859	7.09784	0.0676096	2.2736024	32277
(44365)	15.3	345.29686	326.49827	351.25567	2.99797	0.1988702	2.5987292	32278
(44366)	13.9	291.31628	233.19870	125.64044	7.15827	0.0383843	2.7438841	32278
(44367)	14.0	293.85072	217.44124	173.30908	13.12520	0.1808875	2.6366405	32279
(44368)	14.2	236.74504	223.05543	207.15461	8.56321	0.1514013	2.7437081	32279
(44369)	15.0	319.58980	238.17518	46.04575	0.94363	0.0860181	2.9636927	32279
(44370)	14.4	327.47315	311.88321	4.55207	6.52278	0.1157967	2.6730254	32280
(44371)	14.2	334.24934	132.67144	216.26789	5.35759	0.0834765	2.6258401	32280
(44372)	15.6	304.96843	97.31950	266.27413	0.55963	0.1468405	2.5653159	32281
(44373)	14.1	171.59294	309.99347	188.84034	7.68364	0.1654393	2.7787547	32281
(44374)	14.9	27.99732	244.44040	16.61081	7.21296	0.0879722	2.7467644	32281
(44375)	14.8	290.63104	32.33579	12.60089	3.23682	0.2229484	2.6209596	32281
(44376)	15.2	273.78199	20.42780	355.16205	1.60039	0.1088266	2.8743983	32282
(44377)	14.7	293.19106	1.99904	358.94255	3.68374	0.1186880	2.7052608	32282
(44378)	14.7	265.23183	200.89160	207.62747	3.46357	0.1430312	2.6401471	32282
(44379)	14.9	7.96112	296.94697	358.85231	4.13117	0.1560293	2.5645377	32283
(44380)	15.7	354.82558	130.45571	164.19684	4.58240	0.1952694	2.6044950	32283
(44381)	14.4	259.35425	221.14972	130.11550	1.31664	0.0774745	2.9818411	32283
(44382)	13.8	277.04244	348.22780	27.40768	5.60053	0.1456315	2.7642376	32284
(44383)	14.3	42.82154	149.52148	77.83181	3.14131	0.0153199	2.8831574	32284
(44384)	15.0	304.60107	141.42337	213.78982	10.56359	0.1140035	2.7084348	32284
(44385)	13.6	196.76529	120.53787	337.11261	11.22778	0.0407814	2.7854235	32285
(44386)	14.2	165.79306	257.35930	235.95739	6.11869	0.0257276	2.7382449	32285

(44387)	14.6	86.97127	20.76726	183.87500	12.47039	0.0980401	2.6815994	32285
(44388)	13.1	153.63277	36.67031	79.44805	3.88668	0.1050417	3.0401928	32286
(44389)	13.9	259.07457	166.67333	190.42004	10.46616	0.0980441	2.9643953	32286
(44390)	14.0	272.76488	201.16737	211.96486	3.17271	0.2058394	2.6070551	32287
(44391)	15.2	290.80782	334.09637	67.90151	6.06260	0.1910972	2.6192729	32287
(44392)	13.8	326.32001	224.89087	102.72832	4.69367	0.0909811	2.7857275	32287
(44393)	14.0	234.45592	258.58341	124.17770	6.06897	0.0636732	3.1430869	32288
(44394)	14.6	354.76644	103.50274	181.05864	7.73604	0.2068155	2.7947429	32288
(44395)	14.8	137.00384	286.06139	228.53205	10.99302	0.0400544	2.6558611	32289
(44396)	14.4	138.92275	297.72212	216.76019	14.27212	0.0697246	2.6535884	32289
(44397)	15.1	297.68322	311.73699	48.07920	5.17250	0.1149136	2.7637148	32289
(44398)	15.1	240.70261	259.25377	176.58991	8.94940	0.1250377	2.7505137	32289
(44399)	14.8	273.49369	271.76509	107.28574	3.94739	0.1001864	2.7342213	32290
(44400)	15.0	333.76518	137.50418	173.96072	5.08921	0.1094604	2.7277818	32290
(44401)	14.1	262.05326	240.54877	182.55359	13.12460	0.1442539	2.6417452	32290
(44402)	13.9	256.82874	44.57251	353.05470	6.14345	0.0696976	2.7922700	32290
(44403)	15.3	332.14660	145.05861	196.90562	12.40055	0.1885301	2.5888353	32291
(44404)	14.4	304.94436	214.31841	128.04880	6.52253	0.0219000	2.7775366	32291
(44405)	13.7	259.25616	175.20575	190.95898	8.43760	0.0901453	2.9966591	32291
(44406)	14.2	146.56562	331.17396	174.05350	14.14427	0.1065629	2.8868465	32292
(44407)	15.0	245.34097	192.73526	230.90974	6.99293	0.1554797	2.8006282	32292
(44408)	15.5	284.76601	163.75693	214.25275	4.96917	0.1333749	2.7577012	32292
(44409)	14.5	281.88318	199.71684	182.42193	7.70290	0.0787515	2.7466992	32293
(44410)	14.0	355.16269	215.09054	80.48847	5.50672	0.0463727	2.7969698	32293
(44411)	14.7	322.21802	136.03066	207.38495	17.11786	0.1282950	2.6954425	32293
(44412)	15.5	305.65585	70.90776	312.25571	3.40447	0.2744561	2.6077600	32294
(44413)	13.6	77.73616	311.99885	275.25738	6.11953	0.1347081	2.7481848	32294
(44414)	14.4	323.92247	138.64311	200.24842	11.16976	0.1993390	2.6788854	32295
(44415)	15.0	251.39156	213.97518	198.03414	5.74157	0.0581075	2.7854759	32295
(44416)	15.2	284.99547	127.60366	243.50300	1.91795	0.1082076	2.8010248	32295
(44417)	13.4	359.66535	83.99673	190.68956	9.64286	0.0259922	2.9921082	32295
(44418)	14.3	312.88993	173.24795	175.56142	2.56264	0.0405029	2.7881108	32296
(44419)	14.3	227.37116	32.89064	31.80721	5.57340	0.0150665	2.7348627	32296
(44420)	14.8	236.12460	71.81863	351.15710	2.82328	0.0784877	2.7839110	32297
(44421)	14.3	41.31315	43.53353	198.38717	7.77542	0.1678756	2.7604643	32297
(44422)	13.6	217.64320	131.11315	323.20983	3.27592	0.0539689	2.7330348	32297
(44423)	14.0	8.10310	56.51311	230.95790	11.58228	0.0650593	2.7922483	32298
(44424)	14.7	18.79357	75.87288	209.91528	12.46666	0.0769757	2.7444008	32298
(44425)	14.9	287.91428	288.68600	77.70128	7.15479	0.0739564	2.7342996	32298
(44426)	13.9	179.05678	102.06046	353.07684	1.17484	0.0202160	3.0357856	32299
(44427)	13.2	262.33831	95.68949	231.19011	14.90497	0.2849896	3.1518603	32299
(44428)	15.2	106.42159	235.15800	65.90394	5.60652	0.1653969	2.1985393	32299
(44429)	15.4	64.90518	271.67327	50.84512	5.63651	0.1863861	2.2770577	32300
(44430)	14.7	345.19172	143.68159	183.97548	13.28818	0.1945721	2.6895002	32300
(44431)	14.6	15.93710	178.92244	92.43377	8.39455	0.2120385	2.5680410	32300
(44432)	13.3	51.17495	347.90831	214.95541	16.25160	0.0655480	3.1967918	32301
(44433)	15.0	283.52796	179.12834	214.98899	2.01424	0.1852697	2.7258972	32301
(44434)	14.4	93.01397	219.25793	82.69755	7.24468	0.1775592	2.2498154	32301
(44435)	14.2	17.28039	285.43598	76.67603	7.78092	0.2496837	2.3386340	32302
(44436)	14.5	325.66257	142.23814	207.75960	13.56799	0.3196434	2.6233786	32302
(44437)	15.3	70.65799	276.18792	50.38045	7.47163	0.2100697	2.2441311	32302
(44438)	12.8	161.32633	240.21068	227.73486	21.22711	0.0496571	3.2423581	32302
(44439)	15.1	302.46624	49.60401	325.18914	2.06117	0.1546272	2.6733691	32303
(44440)	14.9	122.11368	234.87727	63.88728	6.08800	0.1688936	2.1765540	32303
(44441)	14.8	276.42452	262.69214	139.49330	4.39265	0.1246292	2.7686788	32304
(44442)	14.5	295.59671	67.00444	310.08269	4.39411	0.0808137	2.7186688	32304
(44443)	11.6	41.85723	3.91760	233.35361	16.85819	0.1553883	3.1110998	32304
(44444)	14.8	303.56071	358.63223	16.31557	1.54619	0.1728532	2.7310543	32305
(44445)	14.5	290.10303	175.12797	223.76342	12.70357	0.1754981	2.6978275	32305
(44446)	14.1	307.23168	102.06966	238.21686	7.40022	0.1406943	2.7539402	32305
(44447)	14.7	308.31493	168.24941	214.10082	13.58394	0.1893261	2.5708265	32306
(44448)	13.8	262.58343	153.03363	234.30876	9.63951	0.0922627	2.9780004	32306
(44449)	14.3	341.72906	358.77067	308.26597	11.42499	0.1520006	2.6823900	32306
(44450)	14.5	316.04838	225.39049	120.02626	5.22359	0.1070087	2.7869492	32307
(44451)	13.8	306.63913	245.22496	90.82154	11.15863	0.0591067	3.0078293	32307
(44452)	14.6	292.89036	111.29474	229.91224	10.35568	0.1022224	2.9843877	32307
(44453)	15.1	334.71663	36.07277	298.90838	5.12827	0.1733942	2.6588909	32308
(44454)	14.1	279.14609	126.24689	261.21615	4.56081	0.0473374	2.7883562	32308
(44455)	14.7	306.21233	93.56083	312.63056	12.12267	0.1831227	2.5316525	32308
(44456)	14.1	198.00782	216.67952	232.86662	8.32139	0.0235348	3.0494340	32309
(44457)	15.1	307.93408	61.94763	332.02295	3.44885	0.2771649	2.5529250	32309
(44458)	14.7	258.89551	265.34583	152.85424	2.21143	0.2063177	2.7557898	32309
(44459)	13.7	211.12197	270.87062	197.26398	12.98807	0.1056701	2.7826540	32310
(44460)	15.2	299.89457	82.92592	282.05476	0.63988	0.1779428	2.7563047	32310
(44461)	14.0	18.12554	73.21946	210.10723	8.68674	0.1307347	2.7594058	32310
(44462)	14.4	309.57997	136.68825	234.36582	8.28025	0.2079023	2.6638985	32311
(44463)	13.4	167.57528	225.21961	251.68855	8.99573	0.1781489	3.1801880	32311
(44464)	15.6	326.93065	52.80851	314.30319	2.73886	0.2590515	2.5707427	32311
(44465)	15.0	315.48503	292.43639	59.01057	6.52800	0.0637982	2.8009542	32312
(44466)	14.5	323.41785	224.67675	71.78344	3.14565	0.1254236	3.1127741	32312
(44467)	14.3	274.07776	184.01775	215.57748	8.77050	0.1481419	2.7936195	32312
(44468)	13.3	259.47347	49.87376	303.16592	6.97294	0.1531309	3.1723161	32312
(44469)	15.2	342.58534	92.47125	222.00322	1.12934	0.0720876	2.9082500	32313
(44470)	15.5	313.41452	203.59624	187.04367	13.19419	0.2757343	2.5908047	32313
(44471)	14.5	333.06577	177.88037	147.60004	4.45789	0.2280517	2.6898337	32313
(44472)	14.1	357.31463	48.61133	260.10888	12.65113	0.1596167	2.6722078	32314
(44473)	14.2	237.90498	261.89072	126.98446	22.56812	0.1309647	3.1339914	32314
(44474)	13.7	174.87767	352.51426	118.80934	2.51859	0.1394692	3.2197077	32314
(44475)	14.4	298.35010	243.15406	132.13328	5.90609	0.3022492	2.6346865	32314
(44476)	13.1	33.55414	23.26576	265.67643	9.32609	0.0526182	3.0533722	32315
(44477)	14.3	199.57849	73.68200	38.47932	2.29894	0.0600023	2.9265746	32315
(44478)	14.4	282.41008	225.56445	191.37339	2.11238	0.1987686	2.6942693	32315
(44479)	13.6	341.54725	54.96736	276.81062	12.08610	0.0302096	2.8867185	32316
(44480)	14.1	17.27538	0.22212	308.80538	12.61434	0.2656333	2.5348562	32316
(44481)	15.8	314.94689	192.69289	191.73244	2.92367	0.2181618	2.6109853	32316
(44482)	13.7	117.41232	307.96511	229.88801	8.13177	0.0637535	3.0843009	32317
(44483)	14.1	201.39364	21.70802	69.09392	11.81481	0.1151384	3.1190076	32317
(44484)	14.3	298.52695	31.46689	355.08938	2.24613	0.1954995	2.7317957	32318
(44485)	13.0	173.54705	206.68855	285.64251	4.96846	0.1167329	3.0639560	32318
(44486)	14.8	339.94326	104.21877	244.11430	8.63256	0.1191789	2.7284658	32318
(44487)	14.4	268.94022	174.65371	256.92955	7.94765	0.1755228	2.7694412	32319
(44488)	14.9	328.09699	147.80491	229.75736	14.09337	0.1191884	2.5906179	32319
(44489)	14.1	220.44046	161.49902	270.48106	8.90564	0.0589304	3.0680438	32319
(44490)	14.1	220.05984	203.34182	246.11300	0.82757	0.0275759	2.9020198	32319

(44491)	13.6	234.46896	295.65992	120.31182	14.56947	0.0761770	3.0707711	32320
(44492)	13.6	189.88189	298.31044	132.03071	19.74624	0.1180752	3.2350528	32320
(44493)	13.9	299.32388	74.20333	303.16786	16.27592	0.1707702	2.7026953	32320
(44494)	14.7	352.88458	107.00127	227.05463	11.71507	0.0134121	2.7500896	32321
(44495)	14.6	273.34132	313.69466	77.38595	5.42370	0.2239406	2.6887063	32321
(44496)	13.0	147.59717	6.30793	153.18225	13.93826	0.0894317	3.0926196	32321
(44497)	13.3	270.69507	306.80907	93.20334	12.02620	0.1154603	3.1099289	32322
(44498)	14.1	262.70390	337.95077	66.82693	2.66388	0.1632739	3.1079447	32322
(44499)	14.3	89.83345	257.81306	94.82594	7.57271	0.0996178	2.3716024	32322
(44500)	13.6	266.84967	183.56683	207.96639	5.00357	0.1288856	3.1886884	32323
(44501)	13.6	256.33152	288.72895	116.92595	2.70860	0.2100441	3.2149465	32323
(44502)	13.8	284.38641	354.62383	45.33036	9.70387	0.2725420	2.7546891	32324
(44503)	13.8	316.18155	128.48818	271.89877	10.96603	0.1341872	2.5823144	32324
(44504)	13.3	272.42102	184.84870	262.65381	10.91934	0.1620337	2.6764776	32324
(44505)	14.1	315.19824	72.85194	313.79513	11.18120	0.2654462	2.6606782	32324
(44506)	12.6	334.02573	62.72673	300.36286	12.15011	0.2315114	2.6855327	32325
(44507)	12.8	204.70367	196.73132	276.68335	13.90816	0.1925652	3.1090990	32325
(44508)	13.6	266.29633	39.96573	349.47655	4.20351	0.1507891	3.1539458	32325
(44509)	13.3	239.32964	124.23991	296.34501	14.06105	0.2074239	3.1362519	32326
(44510)	12.3	188.04634	198.34586	309.58130	8.74802	0.0399102	3.0141699	32326
(44511)	13.3	110.07023	266.26456	302.13097	11.77463	0.0339630	3.1862318	32326
(44512)	14.4	323.75004	255.47664	101.57543	9.40716	0.3039445	2.7356495	32326
(44513)	12.4	147.33743	200.66320	333.74170	17.39989	0.0736641	3.1242235	32327
(44514)	14.0	286.91615	104.60137	319.35646	11.50555	0.1292926	2.6704019	32327
(44515)	13.0	22.89971	335.28294	313.74166	10.71975	0.0529972	3.1600184	32327
(44516)	13.8	222.29436	258.67688	191.86630	11.57218	0.1359547	3.0322740	32328
(44517)	14.2	212.08086	286.34161	170.12850	10.16847	0.0839774	3.0607920	32328
(44518)	13.4	294.21338	279.64924	97.81961	11.27300	0.1181271	2.9788862	32328
(44519)	12.9	222.62487	191.57891	257.07922	16.41640	0.1674948	3.1426547	32328
(44520)	12.8	264.30210	161.01035	257.72429	9.83183	0.0322979	3.0447426	32329
(44521)	13.3	282.53365	179.01841	252.57945	8.22851	0.2410318	2.7465500	32329
(44522)	14.7	273.19169	82.55585	122.79954	6.20346	0.0792117	2.2392446	32329
(44523)	14.2	199.57727	60.80593	119.06980	10.44461	0.0184730	2.7334552	32330
(44524)	12.7	234.47382	192.50204	265.69911	10.52380	0.1006303	3.0526894	32330
(44525)	12.0	249.48360	151.82208	267.61906	10.86170	0.0952358	3.2367160	32330
(44526)	13.8	325.49766	87.98398	299.56760	13.64985	0.1352300	2.6002149	32331
(44527)	13.3	83.95713	356.51213	251.60722	13.97129	0.1312387	2.7643094	32331
(44528)	13.7	310.68107	266.84714	98.04013	9.81673	0.1717118	2.7904173	32331
(44529)	14.0	265.76607	294.06243	103.52722	11.39662	0.1204765	2.9729855	32332
(44530)	12.8	336.66565	87.39003	281.14160	11.68727	0.2252183	2.5809080	32332
(44531)	13.4	156.57445	346.80388	142.14719	13.26885	0.0307923	3.1287080	32333
(44532)	13.9	10.57420	51.52997	237.49131	9.65507	0.0669992	2.9665169	32333
(44533)	13.7	255.55835	218.47742	341.00708	8.26937	0.1379244	2.5599934	32334
(44534)	15.2	326.70229	349.40355	127.25450	5.72424	0.0894539	2.3686494	32334
(44535)	14.1	325.78214	271.35294	79.82013	1.83934	0.1387648	3.1491317	32334
(44536)	14.9	286.43694	262.22715	136.23953	13.76310	0.2115553	2.7740946	32335
(44537)	15.2	4.33233	326.61788	127.06252	4.26269	0.0896676	2.2805877	32335
(44538)	12.7	309.42808	34.57740	341.33998	9.16071	0.1548054	3.0593933	32335
(44539)	15.1	315.05772	247.06647	269.28123	5.69575	0.1082319	2.2479434	32336
(44540)	13.7	293.91924	122.99398	262.92921	11.60035	0.1884685	2.6782980	32336
(44541)	14.3	285.32481	34.07574	124.82616	7.35210	0.0723492	2.4091222	32336
(44542)	13.9	244.35639	195.60596	249.32603	3.47388	0.0896604	3.1745273	32337
(44543)	12.9	196.47711	170.46232	287.07573	16.39646	0.2168740	3.1254595	32337
(44544)	13.3	354.21506	45.25008	300.08222	13.33740	0.1427919	2.5809848	32337
(44545)	13.9	354.70752	30.29647	302.94383	13.38774	0.1530314	3.1132748	32337
(44546)	13.6	315.26255	84.85954	290.61744	9.82414	0.1249732	3.0058996	32338
(44547)	13.7	222.83651	241.42407	180.90868	4.28066	0.0416320	3.5027750	32338
(44548)	13.8	321.70520	104.05080	279.63864	9.75831	0.0856649	2.9952571	32338
(44549)	12.6	160.54577	323.77373	159.76502	4.45153	0.0840876	3.9748417	32339
(44550)	11.9	298.78501	134.24944	247.62816	13.74052	0.0252092	3.1608044	32339
(44551)	13.4	193.59321	21.97859	79.43917	11.50886	0.1948810	3.1603997	32339
(44552)	13.3	306.30663	66.10822	310.22490	12.12387	0.0914768	3.2229278	32340
(44553)	13.1	288.90849	100.19016	331.65506	8.24879	0.2029067	2.7965158	32340
(44554)	14.4	271.73461	74.16422	97.94184	8.28146	0.1995447	2.5810301	32340
(44555)	15.2	197.23143	211.39838	155.60763	25.13199	0.0877661	1.9408747	32340
(44556)	13.2	135.18473	319.13466	321.25789	12.26671	0.1546137	2.6551061	32341
(44557)	15.0	266.90782	285.90485	137.29397	8.70977	0.1697205	3.1174177	32341
(44558)	13.8	305.76594	28.15257	0.42093	9.64068	0.1621191	3.1167908	32341
(44559)	13.9	196.29418	70.74142	143.25930	7.51082	0.0547200	2.7248943	32342
(44560)	13.9	97.13200	310.21602	350.86695	6.96130	0.0169373	2.7939755	32342
(44561)	13.3	253.38419	327.33856	114.48186	8.60947	0.2378256	3.1780291	32343
(44562)	14.0	195.55653	11.99803	165.44532	1.43735	0.1341006	3.1251150	32343
(44563)	13.1	248.21774	258.20923	181.81704	15.55774	0.2040377	3.1049911	32343
(44564)	14.7	332.03142	237.01877	193.35414	2.70953	0.0442614	2.6958720	32343
(44565)	15.2	268.35920	144.44951	63.67455	8.22307	0.1465031	2.3059273	32344
(44566)	11.6	283.59972	89.83426	287.38672	25.43246	0.2135398	3.3306648	32344
(44567)	15.9	290.65459	20.13109	167.31190	2.29535	0.1521313	2.3502583	32344
(44568)	14.0	186.50731	241.56893	295.60586	4.22758	0.0911838	3.1423487	32345
(44569)	15.5	170.72435	173.60174	143.43405	7.76273	0.1476470	2.2754038	32345
(44570)	14.7	153.37057	116.33588	139.78900	12.74036	0.1416254	2.6977291	32345
(44571)	15.3	263.01419	324.81324	149.16162	8.49490	0.0614651	2.9389328	32345
(44572)	14.4	38.68896	90.40613	330.07195	4.19713	0.1608365	2.3663946	32346
(44573)	14.2	256.76512	299.25842	172.97352	2.25144	0.1352571	3.0672310	32346
(44574)	16.8	323.64393	9.79914	160.71346	2.59949	0.1077103	2.3560501	32346
(44575)	16.7	247.13709	88.86244	182.37998	2.55570	0.1668485	2.3298482	32347
(44576)	15.2	168.56851	202.97688	52.22858	1.06430	0.1180582	2.9031652	32347
(44577)	15.2	251.46534	77.81122	119.68173	3.20751	0.1927453	2.6630795	32347
(44578)	14.8	32.89543	290.35265	147.37371	5.48783	0.0788326	2.4455024	32348
(44579)	14.1	178.66127	113.13985	127.00795	3.17917	0.0377711	2.8926694	32348
(44580)	15.7	238.32737	212.55358	23.86926	4.61673	0.0814404	2.5533187	32348
(44581)	16.5	308.93165	116.88738	95.22081	1.78569	0.1480894	2.2751739	32349
(44582)	14.0	138.27482	154.70103	139.29429	10.51145	0.0573975	3.0454682	32349
(44583)	15.1	159.74277	14.81912	92.47014	24.10462	0.0674370	1.9288428	32349
(44584)	15.7	254.55986	273.02473	340.94448	1.60603	0.1749481	2.4682269	32350
(44585)	16.2	321.15591	204.56917	2.81001	2.97360	0.1125356	2.3065422	32350
(44586)	15.2	86.67041	307.46161	71.18894	7.16555	0.0311117	2.7049739	32350
(44587)	16.4	275.14480	131.59522	155.90583	4.20351	0.1761947	2.2318279	32351
(44588)	15.3	11.60510	141.98424	123.04245	24.33753	0.0667407	1.9332956	32351
(44589)	15.3	25.40439	115.21876	133.34647	24.95494	0.0649762	1.9396255	32351
(44590)	15.1	128.28524	307.95447	220.85131	20.05711	0.0417137	1.9213233	32352
(44591)	15.3	17.09921	110.64906	116.51353	7.58938	0.1025059	2.2003462	32352
(44592)	15.2	141.98354	149.57910	311.50895	10.52138	0.1050776	2.2747368	32352
(44593)	15.2	281.62238	137.58466	233.28529	20.64715	0.2356052	2.2971268	32353
(44594)	6.8	316.87331	144.51919	259.50880	2.63218	0.4547737	32.1300399	32353

(44595)	16.1	252.10635	230.23669	142.71905	6.94533	0.1243022	2.2980447	32353
(44596)	16.4	276.23273	220.43913	137.28604	6.79138	0.1977520	2.2455623	32354
(44597)	15.4	24.78838	7.44507	208.66735	5.03609	0.1171573	2.2542398	32354
(44598)	15.3	104.97776	217.13306	274.01453	4.89917	0.0827007	2.2780104	32354
(44599)	15.6	312.36248	167.69467	170.37570	3.32859	0.1781977	2.1768496	32355
(44600)	14.6	157.52378	201.96652	332.12218	20.58907	0.0576083	1.9222407	32355
(44601)	15.1	115.73242	191.60550	314.56571	5.90311	0.0752702	2.2829840	32356
(44602)	15.4	235.65632	192.53012	181.96514	6.12332	0.1553125	2.3892771	32356
(44603)	15.1	47.19663	306.88682	263.40184	3.81306	0.1009272	2.2427519	32356
(44604)	15.8	305.16851	164.07079	183.03291	2.45263	0.1208211	2.1299655	32357
(44605)	15.3	57.98534	38.24192	166.60936	2.47581	0.0980436	2.2452580	32357
(44606)	15.9	16.27114	322.73077	295.60484	2.11857	0.1132204	2.1660693	32357
(44607)	15.1	86.18323	347.25396	183.78008	4.88568	0.0879019	2.3227836	32358
(44608)	14.3	321.82831	115.36902	185.63521	4.91299	0.1696031	2.2319474	32358
(44609)	15.2	225.16121	69.21414	356.37174	4.78580	0.0822124	2.2037137	32359
(44610)	15.4	168.17612	270.70306	204.65194	5.85891	0.0668988	2.2829648	32359
(44611)	15.8	204.49933	201.73071	255.58923	1.70585	0.0776927	2.1984065	32360
(44612)	15.9	307.71244	189.29919	141.54127	1.11834	0.1781837	2.1977748	32360
(44613)	15.7	312.96940	80.45030	220.70905	7.79724	0.0242929	2.4210500	32360
(44614)	15.5	287.20461	352.87522	6.49464	7.04028	0.1365614	2.2399742	32361
(44615)	15.9	214.24047	270.20593	166.98897	4.96922	0.1213667	2.2799667	32361
(44616)	16.2	333.92613	198.98363	84.16576	3.43118	0.2086882	2.3272664	32362
(44617)	15.5	251.98552	36.38092	9.96388	4.80439	0.1424155	2.2447078	32362
(44618)	15.4	243.53304	232.39112	186.05997	5.96922	0.2267206	2.2722642	32362
(44619)	16.2	345.14750	197.16027	113.90637	5.48910	0.2282930	2.1344141	32363
(44620)	15.6	313.57784	180.66131	182.13992	4.39396	0.1636560	2.1765387	32363
(44621)	15.5	289.83955	80.24935	252.35574	1.71258	0.1291513	2.1980479	32363
(44622)	16.4	289.68722	148.40865	184.07718	3.15720	0.1241714	2.2129691	32364
(44623)	14.4	164.26901	331.87448	132.38389	5.27066	0.1333729	2.2501466	32364
(44624)	16.4	342.92100	170.84482	110.70471	3.54915	0.1903088	2.1473540	32364
(44625)	15.0	175.28742	77.48203	248.69721	1.02525	0.1541165	3.2122953	32365
(44626)	15.2	185.86396	215.73971	236.51900	3.13246	0.1026803	2.2484530	32365
(44627)	14.6	157.87850	314.78263	152.67979	8.09079	0.0516184	2.2951095	32365
(44628)	16.2	280.52643	51.77274	292.45250	3.15787	0.1647095	2.2831146	32366
(44629)	15.3	131.96426	26.03693	128.12143	6.03980	0.0832965	2.2085039	32366
(44630)	15.9	199.83405	284.42516	153.91047	6.57115	0.0497754	2.2640880	32367
(44631)	15.1	200.55057	242.44004	156.52406	5.36330	0.1526132	2.5594252	32367
(44632)	15.2	3.48701	288.67093	335.04355	3.44976	0.1286183	2.2387054	32367
(44633)	15.1	184.10135	298.99358	147.32061	6.71531	0.0655501	2.3371474	32368
(44634)	16.2	335.67392	100.29371	175.62025	4.38609	0.1588236	2.3275437	32368
(44635)	15.4	317.90321	262.41260	33.36896	4.21228	0.1506480	2.3158898	32368
(44636)	15.2	262.03366	57.27800	297.90619	6.03188	0.1344424	2.3192303	32369
(44637)	15.0	200.60172	286.91747	162.88451	3.98319	0.0892725	2.3155436	32369
(44638)	16.0	9.65232	105.70252	148.83721	5.06725	0.0805605	2.2700977	32370
(44639)	15.6	8.15950	326.93854	271.31690	5.41728	0.0969766	2.3985307	32370
(44640)	15.7	337.27644	11.95374	296.62080	7.10855	0.1446978	2.2098238	32370
(44641)	16.0	298.49522	71.05969	318.52667	20.14188	0.0429438	1.9279769	32371
(44642)	15.6	190.11725	273.28354	178.42472	5.78187	0.0768229	2.2169338	32371
(44643)	14.7	331.97899	35.57031	242.65017	4.73425	0.1726570	2.2552022	32371
(44644)	15.1	214.56182	220.81621	217.03432	5.60899	0.1248636	2.2024326	32372
(44645)	14.9	166.04095	189.43570	253.64689	5.72789	0.0786993	2.3204949	32372
(44646)	16.1	348.81216	105.41735	155.42926	6.54983	0.1008459	2.2746243	32372
(44647)	15.5	189.34375	177.88254	184.01711	2.60431	0.1363040	2.7477836	32373
(44648)	16.3	306.60595	265.69758	3.15369	1.84470	0.2032509	2.3899012	32373
(44649)	16.0	254.56439	194.05149	203.94062	2.18181	0.1148793	2.2126260	32373
(44650)	16.0	193.89750	322.27946	143.01012	3.92093	0.0697422	2.2101886	32374
(44651)	15.3	167.41557	227.46522	238.42644	3.15408	0.1059975	2.2585034	32374
(44652)	15.3	222.82419	101.97540	321.55368	2.28986	0.1441491	2.2243950	32374
(44653)	16.0	333.49865	177.53045	103.05483	2.59191	0.1509306	2.2300168	32375
(44654)	15.5	303.23348	68.66550	245.51898	3.43394	0.2244331	2.2518714	32375
(44655)	15.5	326.25184	157.29536	153.69792	1.89858	0.1163326	2.1673336	32375
(44656)	15.9	234.33295	346.10621	71.25067	3.15491	0.1070113	2.1814513	32376
(44657)	16.0	230.43444	199.07611	228.84888	2.70364	0.0990020	2.1626038	32376
(44658)	16.2	334.66400	228.11409	77.03038	1.19522	0.1579880	2.1491105	32376
(44659)	15.5	103.20577	193.96471	330.66095	7.01292	0.0376157	2.2804329	32376
(44660)	16.1	278.62576	157.54756	218.01390	2.96991	0.1160095	2.1680887	32377
(44661)	15.3	44.91936	255.79560	338.09375	5.49170	0.1319634	2.1492422	32377
(44662)	16.3	225.08502	265.10112	161.51299	1.70491	0.0581378	2.1837746	32377
(44663)	15.0	242.80703	218.39912	152.70334	6.68461	0.1131802	2.3732591	32378
(44664)	14.9	297.91409	315.13479	27.72379	2.66422	0.1340449	2.1941656	32378
(44665)	15.4	184.73299	48.69587	45.05700	3.36125	0.1154176	2.2845481	32379
(44666)	15.8	270.68771	180.85129	189.55555	3.20261	0.0528490	2.2277416	32379
(44667)	15.3	248.33237	234.21364	136.29162	7.00327	0.1278905	2.3523669	32379
(44668)	15.4	204.68510	323.34396	111.40562	2.41021	0.0759447	2.2688587	32379
(44669)	15.3	18.07672	64.03329	180.18684	1.94927	0.1601276	2.2252430	32380
(44670)	16.2	355.46849	144.06470	137.10409	3.23626	0.1081076	2.1835366	32380
(44671)	16.3	286.28213	190.02266	153.30668	8.25357	0.1181100	2.2682059	32380
(44672)	15.2	335.40038	157.85188	136.76684	6.15914	0.1345752	2.2086879	32381
(44673)	14.2	96.44632	52.39976	126.12047	7.69136	0.0770314	2.2384301	32381
(44674)	15.3	168.48679	339.99252	137.61656	2.77855	0.0546217	2.1920083	32382
(44675)	15.0	39.36802	309.12634	282.02598	2.31900	0.1064379	2.2120228	32382
(44676)	14.9	172.85009	90.62880	15.16208	4.84592	0.1217141	2.2810154	32383
(44677)	15.8	174.05458	128.07572	339.56270	5.37152	0.0554218	2.2164982	32383
(44678)	15.6	53.06007	5.98201	182.30350	6.03016	0.0768488	2.3926552	32384
(44679)	14.9	333.60047	158.55905	132.56369	5.66867	0.1936142	2.3331650	32384
(44680)	14.6	51.58939	5.20049	216.62522	5.52014	0.1071561	2.2200312	32384
(44681)	15.6	271.08161	114.69494	240.90022	5.80256	0.1510678	2.2819391	32385
(44682)	14.5	121.94428	226.85584	271.91592	4.68921	0.1076672	2.3973619	32385
(44683)	14.9	111.59074	219.09973	293.37714	6.39029	0.1035856	2.3254165	32386
(44684)	16.1	344.62529	6.19223	262.05700	6.55721	0.1477202	2.2864830	32386
(44685)	14.3	189.23423	154.95817	245.83991	13.30781	0.0859864	2.5976505	32387
(44686)	14.7	188.68255	205.85174	238.46828	11.27822	0.0529634	2.3139451	32387
(44687)	13.7	102.26850	249.95903	249.15042	11.94754	0.0981041	2.5731876	32387
(44688)	15.5	288.04956	121.17965	222.44033	7.60851	0.1678957	2.2870409	32388
(44689)	14.6	241.66299	121.89253	251.83694	7.35928	0.0674018	2.4717283	32388
(44690)	15.1	28.64415	327.96159	296.07630	4.83612	0.1328112	2.1738982	32388
(44691)	15.0	3.35615	127.19516	123.40328	6.73401	0.1025965	2.3308401	32389
(44692)	15.3	257.35617	69.85818	322.82832	5.13316	0.1742547	2.2605244	32389
(44693)	15.6	262.34253	235.63049	127.24224	7.32277	0.1298214	2.3225622	32389
(44694)	15.3	68.54220	105.87192	106.59725	4.96949	0.0799841	2.1993620	32390
(44695)	15.0	220.67133	324.26567	102.53927	9.98035	0.0936597	2.2594219	32390
(44696)	15.3	279.18544	253.50232	113.49286	8.81799	0.1623697	2.2288875	32391
(44697)	15.3	31.11543	105.86382	132.52153	7.16576	0.1383957	2.2562535	32391
(44698)	15.0	142.68861	17.25660	113.65217	6.71632	0.0472893	2.3056628	32391

(44699)	14.3	173.95609	112.33695	8.14880	5.32107	0.1141074	2.3018525	32392
(44700)	13.8	263.06062	108.92070	259.30499	22.21900	0.2229664	2.3198853	32392
(44701)	14.4	47.02992	115.13867	83.17402	6.91074	0.0498683	2.3040514	32393
(44702)	15.2	229.79634	277.12212	120.47884	6.58688	0.1978170	2.3181399	32393
(44703)	15.3	167.72189	14.32904	105.29782	7.52862	0.0579618	2.3559420	32393
(44704)	14.8	151.39881	342.88671	165.52699	11.47399	0.1091037	2.3191646	32394
(44705)	14.3	134.10748	70.69552	70.46296	6.75066	0.0873155	2.4618903	32394
(44706)	15.5	197.07582	237.91748	162.04059	1.83110	0.0303056	2.5710130	32394
(44707)	15.2	221.75043	226.02167	199.77854	6.24513	0.0843048	2.3380711	32395
(44708)	15.3	323.15240	112.68749	199.17962	2.03744	0.1369284	2.2903781	32395
(44709)	15.2	278.95431	174.68728	170.80679	2.65827	0.2449417	2.3478900	32396
(44710)	15.9	336.20907	205.70173	86.12226	4.21534	0.1428589	2.3169302	32396
(44711)	14.6	32.17287	281.36926	307.62490	5.32963	0.2357320	2.2536424	32396
(44712)	15.4	311.56676	6.39379	347.34270	3.85943	0.1717500	2.1913526	32397
(44713)	16.0	318.14387	239.93802	111.30517	1.73343	0.0057809	2.1778717	32397
(44714)	15.5	296.14965	24.52695	337.44758	3.70599	0.1788022	2.2001475	32398
(44715)	15.8	4.52089	258.70003	21.35114	5.99321	0.1927208	2.1954333	32398
(44716)	15.3	6.78946	259.21298	8.98183	4.37819	0.2235637	2.3499374	32399
(44717)	14.8	359.06010	254.35421	14.24026	3.73908	0.1724024	2.2912619	32399
(44718)	15.5	303.47201	258.42589	69.31974	2.57521	0.0630779	2.3693335	32400
(44719)	15.8	275.06630	335.33414	18.96157	2.30968	0.2208101	2.3607337	32400
(44720)	15.0	330.64716	272.53767	31.47538	5.68920	0.2080114	2.2722582	32400
(44721)	14.9	121.85181	159.82889	350.54578	2.26734	0.1350615	2.4580799	32401
(44722)	16.8	359.79897	276.73042	14.67785	2.59136	0.1642530	2.1503936	32401
(44723)	15.6	294.02755	293.07714	66.86835	3.34714	0.1718492	2.2230286	32402
(44724)	14.8	298.05723	312.42652	36.34590	6.57883	0.1446698	2.2725130	32402
(44725)	16.1	295.78320	139.55154	217.18312	5.70877	0.1371612	2.2672134	32402
(44726)	15.0	47.60590	170.55760	49.20963	3.13102	0.1352952	2.4081877	32403
(44727)	14.8	303.38098	156.41045	182.54220	7.70445	0.2318827	2.2448207	32403
(44728)	14.8	191.35923	215.61836	241.97957	13.10283	0.1341210	2.6521106	32404
(44729)	15.2	214.09980	323.13708	117.14757	1.58120	0.1312899	2.4153713	32404
(44730)	15.5	267.71815	335.17487	50.21699	4.55490	0.1883302	2.3470816	32404
(44731)	16.1	326.37078	122.22638	226.58174	0.53764	0.2052564	2.1552148	32405
(44732)	16.1	149.92625	260.49342	231.36576	2.14665	0.0933564	2.3989237	32405
(44733)	15.0	55.16346	330.79784	244.03267	1.43160	0.1441467	2.3836609	32406
(44734)	15.1	282.06547	136.05895	210.46569	6.17141	0.1378777	2.3707130	32406
(44735)	14.7	275.20111	325.86915	358.47357	1.93228	0.0746383	2.6726815	32406
(44736)	15.1	194.31459	117.28525	325.37902	1.63004	0.1644249	2.4090876	32407
(44737)	15.2	235.29584	124.79280	197.07253	8.69032	0.1597552	2.8110867	32407
(44738)	15.4	12.38776	45.33988	194.91152	24.03702	0.1991414	2.2837743	32407
(44739)	16.2	344.00153	28.64371	290.52701	4.55549	0.2025910	2.1578834	32408
(44740)	13.9	102.96990	31.11314	131.00703	8.86564	0.1223599	2.5544433	32408
(44741)	15.3	175.52036	303.72127	178.57827	5.40956	0.1244475	2.2670459	32409
(44742)	15.4	126.75293	79.75021	70.35478	3.86025	0.0782593	2.3309525	32409
(44743)	14.4	122.85749	6.39106	149.30318	2.56883	0.1448579	2.3694519	32409
(44744)	14.8	84.10847	31.24435	146.92425	2.57454	0.1097402	2.4277160	32410
(44745)	16.0	24.02552	38.15450	212.22726	6.08937	0.0924603	2.3478397	32410
(44746)	15.2	108.57319	277.45628	194.18497	7.33043	0.1844916	2.7938246	32410
(44747)	14.5	70.74863	151.22827	39.90041	4.70973	0.1113776	2.4197973	32411
(44748)	15.3	193.16749	190.10821	174.38103	2.73171	0.1064983	2.6361954	32411
(44749)	15.6	252.81016	269.22185	120.32669	6.77230	0.1249155	2.2912781	32411
(44750)	16.0	325.25593	124.66150	171.65463	6.36445	0.1497320	2.3141971	32412
(44751)	14.6	128.36792	58.10073	89.86682	4.38971	0.1108944	2.4035818	32412
(44752)	15.3	207.87408	306.63977	143.99287	8.00751	0.0738486	2.2777998	32412
(44753)	14.4	95.71564	58.28325	91.70082	15.63461	0.0279550	2.6476674	32413
(44754)	15.6	343.41457	308.76130	356.45258	5.29884	0.1976194	2.2183605	32413
(44755)	16.2	356.10083	271.98266	17.47824	3.37073	0.0705468	2.2572007	32414
(44756)	15.6	154.58002	244.18629	241.23192	6.27602	0.0514500	2.2368679	32414
(44757)	16.3	314.54383	28.45026	279.78426	3.87907	0.1668956	2.2915326	32414
(44758)	15.3	48.07280	351.16873	242.36184	4.33889	0.1310511	2.2094478	32414
(44759)	15.5	334.22246	65.62700	207.98980	6.34427	0.0952576	2.4082951	32415
(44760)	15.6	203.22239	259.76851	185.41174	5.09559	0.1100839	2.2980351	32415
(44761)	15.2	67.99361	276.28317	276.25205	5.34645	0.0729672	2.4077715	32416
(44762)	14.5	134.44953	155.00970	351.49793	6.64595	0.0474600	2.3149375	32416
(44763)	15.4	217.00651	32.68144	22.98931	1.47651	0.0512786	2.3533893	32416
(44764)	14.9	265.29993	74.04581	331.33279	3.69802	0.1062859	2.1768909	32417
(44765)	16.0	244.01253	246.04265	165.23451	5.33609	0.1461420	2.2801935	32417
(44766)	15.2	171.73051	67.81534	55.24563	5.80635	0.1787118	2.3639899	32418
(44767)	15.7	280.11744	246.47389	138.86016	3.46273	0.1520011	2.2020557	32418
(44768)	14.8	104.75675	246.28821	301.73191	5.40149	0.1050221	2.2084413	32418
(44769)	16.7	351.88794	290.50025	352.31265	3.46630	0.1548721	2.2026762	32419
(44770)	15.4	28.42575	32.52056	197.98514	5.10553	0.1944206	2.2902423	32419
(44771)	14.8	78.01752	306.04784	251.15405	2.21067	0.1332401	2.3527376	32419
(44772)	15.9	56.95302	12.71165	209.51676	6.06999	0.0865079	2.3642839	32420
(44773)	15.6	26.51549	16.46434	229.61743	4.28264	0.0724557	2.4263696	32420
(44774)	16.3	343.81941	82.29397	228.89450	3.03037	0.1943225	2.2048798	32420
(44775)	15.1	78.20633	345.88209	207.38177	6.67338	0.0507020	2.3574604	32421
(44776)	15.9	206.39043	182.82291	255.67851	1.72340	0.1177216	2.3565586	32421
(44777)	15.3	107.00417	204.17437	319.38933	3.90867	0.0291716	2.4305040	32421
(44778)	15.5	271.38287	179.41274	197.11314	4.77745	0.1472751	2.3018588	32422
(44779)	15.1	111.98520	305.76535	233.93212	6.55824	0.0453952	2.2737787	32422
(44780)	15.8	322.95877	253.42413	79.32095	4.28133	0.1307994	2.2111560	32422
(44781)	15.5	183.81037	295.16538	167.31672	6.26658	0.0843186	2.3922075	32423
(44782)	15.6	14.11545	193.94713	83.20644	5.48235	0.1585555	2.2807293	32423
(44783)	15.0	63.67186	96.70315	138.94438	7.55372	0.0753446	2.2994822	32423
(44784)	16.2	1.59568	322.77564	327.96722	6.01893	0.0226911	2.2150217	32424
(44785)	16.0	14.52419	335.60317	291.86018	2.65423	0.1179888	2.2257129	32424
(44786)	15.5	82.07824	28.07604	167.24239	2.24999	0.0639927	2.4134508	32424
(44787)	14.4	49.91108	187.03257	57.63042	5.66286	0.0917297	2.2837877	32425
(44788)	15.0	225.09501	154.62790	289.15467	4.40339	0.1117714	2.2496114	32425
(44789)	15.2	67.85008	281.29485	303.77174	4.51810	0.1210832	2.2574815	32426
(44790)	13.6	350.46253	198.40124	52.14271	12.90368	0.1503914	2.6537418	32426
(44791)	15.9	325.28153	260.64086	30.07572	2.43663	0.1866770	2.4229442	32426
(44792)	15.2	102.50346	323.03592	204.63945	3.15859	0.1395129	2.5339669	32427
(44793)	15.3	329.80641	111.22090	200.12932	6.77712	0.1406476	2.3002624	32427
(44794)	15.2	13.85749	63.00698	192.75222	6.62956	0.0881012	2.4768506	32427
(44795)	15.9	325.31598	187.91292	115.04921	3.44185	0.1936447	2.3823519	32428
(44796)	14.9	290.42917	154.83317	198.31913	4.60566	0.1267137	2.3932274	32428
(44797)	15.8	255.84393	261.57790	140.65161	2.74688	0.1847437	2.3832974	32428
(44798)	15.0	43.70179	295.42072	305.05143	7.43728	0.2312109	2.2812060	32429
(44799)	15.0	23.18829	320.45870	298.67861	5.90159	0.0848823	2.3512056	32429
(44800)	15.1	20.96727	346.75043	252.64744	2.58659	0.1108385	2.5539784	32429
(44801)	16.2	344.75958	304.50370	352.00029	3.64459	0.1617665	2.2923562	32430
(44802)	15.8	320.80809	300.85305	24.03103	4.35411	0.1834300	2.3424882	32430

(44803)	15.6	317.71556	288.70665	1.67283	3.62057	0.1711072	2.5465939	32430
(44804)	13.6	162.59648	164.43616	316.13495	11.26933	0.1359821	2.6466711	32431
(44805)	16.0	298.66338	139.27758	181.69066	6.55084	0.1269511	2.3949644	32431
(44806)	15.3	73.15692	65.68263	130.88390	3.22336	0.1289959	2.4477632	32431
(44807)	15.5	6.37293	132.49996	162.07770	3.92412	0.1692885	2.1837641	32431
(44808)	15.7	12.64666	305.14124	316.17910	5.34301	0.1339714	2.2766577	32432
(44809)	15.5	228.86020	299.99649	123.64245	4.70248	0.1237911	2.3106333	32432
(44810)	14.9	303.57102	223.29426	142.87093	7.71949	0.1400947	2.1921231	32432
(44811)	15.3	203.92427	135.98816	261.70108	5.55584	0.1000344	2.5390315	32433
(44812)	15.6	89.63616	272.58029	284.37459	4.67679	0.1013782	2.2236020	32433
(44813)	15.4	332.39624	196.06141	103.99528	6.64025	0.1418064	2.3045094	32434
(44814)	15.5	313.47685	216.62178	118.76053	8.77559	0.1711060	2.2627448	32434
(44815)	15.8	213.14318	324.97048	129.59227	4.83532	0.2029085	2.2553076	32434
(44816)	15.1	243.76150	87.59834	330.84458	8.32982	0.2182065	2.3157197	32435
(44817)	15.5	359.92249	194.81597	83.02870	4.92952	0.1591095	2.2368101	32435
(44818)	16.2	346.31259	197.27497	103.02156	5.36165	0.1536658	2.2589558	32435
(44819)	15.3	333.91064	229.52179	95.91890	6.11214	0.1219178	2.2162887	32435
(44820)	13.4	79.53517	111.03571	75.08642	13.14131	0.0976410	2.5679059	32436
(44821)	14.6	101.40853	87.97926	90.02375	12.06861	0.1038571	2.4706318	32436
(44822)	14.5	35.87220	162.35449	73.89667	7.21873	0.0709228	2.3786265	32436
(44823)	15.5	117.83159	31.39426	145.87742	8.87522	0.0345100	2.3441199	32437
(44824)	15.1	130.41761	280.39780	186.12878	11.56230	0.0583475	2.5325103	32437
(44825)	14.5	299.37384	137.72856	233.87014	23.51769	0.1719743	2.2916604	32437
(44826)	15.4	98.78907	151.77848	16.17000	5.35959	0.0550614	2.3561594	32438
(44827)	13.9	110.42373	352.76571	167.39602	5.47801	0.0844311	2.5834852	32438
(44828)	15.8	219.67667	248.54072	195.52714	7.12412	0.0660841	2.3252910	32438
(44829)	14.8	322.27940	205.68959	110.14002	4.99826	0.0660634	2.4107212	32439
(44830)	16.7	301.47344	184.37513	173.69500	6.79359	0.2125274	2.2300949	32439
(44831)	16.2	282.48672	185.55224	181.33587	6.53688	0.1287175	2.3472591	32439
(44832)	16.7	307.89433	186.23512	134.91690	2.89660	0.2209755	2.3757666	32439
(44833)	13.9	335.74450	207.93079	101.70213	7.62486	0.0609502	2.3907868	32440
(44834)	16.0	170.07315	221.32731	256.44989	3.05384	0.0234533	2.2050754	32440
(44835)	15.7	97.72054	36.92427	139.77045	1.81427	0.1116108	2.3980053	32440
(44836)	16.2	72.30337	277.23566	285.03999	1.60295	0.1241038	2.4210146	32441
(44837)	14.8	321.24928	337.78685	293.37403	8.80565	0.0990453	2.5846586	32441
(44838)	14.9	40.04105	311.79977	295.81354	5.63417	0.0967884	2.2679487	32441
(44839)	14.5	81.20293	249.70390	291.81938	9.76381	0.0727661	2.5896194	32442
(44840)	15.4	338.90935	191.55986	112.14959	7.19893	0.1578531	2.3041982	32442
(44841)	15.7	334.15606	212.19767	93.00216	8.22715	0.1695258	2.3147047	32443
(44842)	14.8	350.07740	181.07211	95.56434	7.92890	0.1222520	2.4610123	32443
(44843)	15.9	49.29752	350.30541	242.16900	5.32310	0.0247320	2.3262014	32443
(44844)	14.9	9.55524	89.35076	186.63829	6.48823	0.1321675	2.2715383	32443
(44845)	15.2	245.49965	183.21702	172.87158	6.17883	0.0269616	2.7061020	32444
(44846)	13.8	7.77220	37.26932	203.56527	12.50720	0.1164315	2.6750414	32444
(44847)	14.2	15.33646	42.31191	210.05875	14.57097	0.1270491	2.6242475	32444
(44848)	13.7	166.38570	294.24875	213.15979	12.03776	0.1358589	2.6903998	32445
(44849)	15.5	318.78539	262.17504	62.90080	3.22167	0.1537019	2.2689139	32445
(44850)	15.9	325.99835	117.28638	218.71056	3.22140	0.1863988	2.2340226	32445
(44851)	15.4	307.20160	285.98660	72.89599	6.51809	0.2036061	2.2688321	32446
(44852)	15.1	298.66808	174.48210	159.66057	2.77029	0.2244676	2.3525314	32446
(44853)	15.0	143.96851	290.45752	167.34843	5.11702	0.0885686	2.6890422	32447
(44854)	14.9	37.50338	327.55076	272.19879	5.83121	0.0738102	2.4056678	32447
(44855)	16.1	272.02421	89.83993	292.24030	3.40231	0.0686785	2.2149659	32447
(44856)	15.8	277.17135	135.51929	217.62695	2.44594	0.2010302	2.3783479	32448
(44857)	15.4	255.27425	193.87223	209.70956	7.68466	0.1633300	2.3241025	32448
(44858)	16.2	298.78201	257.57818	105.94614	2.91560	0.1629776	2.2049903	32448
(44859)	15.8	317.45800	251.78640	74.41502	5.70402	0.0488930	2.3307589	32448
(44860)	15.9	230.78509	5.00403	48.57278	6.73492	0.1042738	2.3868877	32449
(44861)	15.0	8.37102	61.32759	193.72400	4.79153	0.0708871	2.4749655	32449
(44862)	15.0	69.80006	196.14926	30.43013	7.13650	0.1313344	2.2731155	32449
(44863)	15.3	183.71361	26.40041	76.88346	5.04736	0.0558180	2.3880823	32450
(44864)	15.7	258.85641	106.77565	254.90330	5.02524	0.1201990	2.3677907	32450
(44865)	14.7	89.42869	297.17901	218.84213	13.05490	0.1082922	2.5403574	32451
(44866)	15.7	84.36239	207.01944	330.21782	1.47987	0.1448362	2.3592703	32451
(44867)	15.6	32.34274	151.04090	70.01575	3.56967	0.1343736	2.4504615	32451
(44868)	15.2	284.86720	293.16775	28.67376	6.07848	0.1421269	2.4343483	32452
(44869)	15.7	345.97246	247.58501	38.63464	5.23903	0.1627221	2.3275240	32452
(44870)	15.8	346.04441	60.50722	228.57819	6.23642	0.1173287	2.3822709	32452
(44871)	14.5	11.12114	14.37110	248.33319	7.63675	0.1038368	2.3258643	32453
(44872)	14.8	352.68055	335.73919	301.27245	5.87075	0.1064531	2.3234722	32453
(44873)	15.7	257.74374	295.12067	116.41643	6.11577	0.1489462	2.2640366	32454
(44874)	15.3	220.61540	194.29397	197.53110	4.81264	0.0114877	2.7418535	32454
(44875)	14.6	50.40541	310.71278	287.21188	5.85383	0.0792465	2.3157158	32454
(44876)	15.8	320.84822	325.94019	356.20925	6.58553	0.1420701	2.2885287	32454
(44877)	15.2	14.08485	359.15785	270.66800	6.09530	0.0947989	2.3215778	32455
(44878)	14.8	326.85372	16.61706	274.50254	5.06579	0.1312949	2.4356307	32455
(44879)	15.3	347.28457	171.01357	123.91556	4.56505	0.1568503	2.2993631	32455
(44880)	15.3	200.32430	305.52227	142.60676	6.86754	0.0726311	2.4334710	32456
(44881)	16.1	304.17915	216.78300	120.49529	7.02490	0.1469329	2.3465528	32456
(44882)	16.4	289.64140	197.86636	163.19053	7.07857	0.1241900	2.3316731	32456
(44883)	14.7	115.66385	336.57547	184.52596	14.39764	0.0783958	2.5815104	32456
(44884)	16.2	353.48353	30.83425	250.78842	6.39281	0.0944033	2.3402665	32457
(44885)	15.4	269.87470	270.03553	85.99335	4.60501	0.1740525	2.5178050	32457
(44886)	15.3	260.64771	127.79134	248.12466	6.28650	0.2487811	2.4117850	32457
(44887)	14.5	261.17205	198.07654	160.58101	2.30341	0.0786944	2.5697100	32458
(44888)	15.0	313.18526	6.34959	348.78793	3.79759	0.2163182	2.2225330	32458
(44889)	15.0	302.22780	179.15598	207.74343	2.21654	0.1484920	2.1828734	32459
(44890)	15.2	38.04854	190.06958	58.02404	3.60971	0.1675859	2.3147830	32459
(44891)	15.8	228.35680	292.31356	151.78886	2.28199	0.1830248	2.3907551	32460
(44892)	12.9	288.87631	77.47712	292.73963	12.19704	0.2144605	2.6537199	32460
(44893)	16.0	326.21945	267.43040	53.56535	5.34697	0.2556648	2.2718477	32460
(44894)	15.3	323.77311	107.55502	233.61430	4.94536	0.1227424	2.2583693	32461
(44895)	13.9	20.84016	356.53127	237.20639	18.02087	0.1195260	2.7565710	32461
(44896)	13.0	112.35504	183.68845	337.53104	8.39392	0.1115630	2.5576618	32462
(44897)	14.6	212.36154	266.85790	164.40955	3.52130	0.1407141	2.5188385	32462
(44898)	15.8	70.78399	319.81911	195.72091	11.91689	0.1235949	2.6410794	32463
(44899)	15.1	103.60997	302.36329	216.14670	2.79583	0.2144411	2.4227483	32463
(44900)	15.3	36.36704	289.95936	280.05049	2.12277	0.2565382	2.6226343	32463
(44901)	17.5	16.68428	285.13115	329.00517	1.57896	0.1805768	2.3488118	32464
(44902)	15.9	322.76232	272.65665	79.52473	4.76177	0.1712219	2.2312213	32464
(44903)	15.6	294.05770	174.06376	205.68703	2.80098	0.1560710	2.2388155	32464
(44904)	14.3	172.89757	222.93285	209.90958	11.14176	0.1713673	2.6991633	32464
(44905)	14.9	261.46397	152.78406	247.49670	5.45853	0.1600098	2.2740059	32465
(44906)	15.6	69.21958	300.76014	294.60488	3.14912	0.0892744	2.2673376	32465

(44907)	13.7	284.55868	114.64163	261.29354	18.93422	0.0406319	2.2978628	32466
(44908)	16.4	275.20707	144.74257	229.88627	1.12580	0.1510980	2.4026328	32466
(44909)	14.8	310.90443	98.79007	252.60318	9.40091	0.2361002	2.2807147	32466
(44910)	14.9	270.10110	193.17372	211.59112	3.74268	0.2091112	2.2980480	32467
(44911)	14.9	317.70927	75.90691	278.20403	3.47025	0.1473373	2.2961346	32467
(44912)	14.9	290.84714	68.14208	320.38355	3.17229	0.1061615	2.2969616	32467
(44913)	14.8	176.74722	223.44307	243.71970	5.53772	0.0993297	2.5691655	32468
(44914)	15.9	230.70645	61.43871	9.69502	4.93528	0.1253138	2.2997932	32468
(44915)	15.4	302.16433	91.53899	239.21402	4.67143	0.2145353	2.3104762	32469
(44916)	16.7	274.89831	136.11743	256.27382	0.52103	0.1992089	2.2642022	32469
(44917)	15.9	332.97674	90.73577	234.36562	5.90338	0.1420067	2.2851817	32469
(44918)	14.1	46.18331	192.51203	54.64696	5.33364	0.1441309	2.4422890	32470
(44919)	13.7	235.56038	195.27315	235.70349	3.83933	0.1240329	2.3675575	32470
(44920)	16.1	341.77577	87.80089	203.31101	0.99390	0.1834877	2.4227176	32471
(44921)	14.9	352.06315	200.15284	54.36506	4.43136	0.0508828	2.7823415	32471
(44922)	15.4	316.59534	98.21357	236.45470	4.78071	0.1437829	2.3540281	32472
(44923)	14.3	130.83724	94.02805	55.83062	5.90715	0.1473109	2.6933480	32472
(44924)	14.6	308.81600	58.34594	250.39243	14.09653	0.1646479	2.6253054	32472
(44925)	15.3	239.06033	149.02450	268.23229	1.37441	0.1736663	2.4374224	32473
(44926)	14.2	126.78510	276.42469	253.44936	7.28834	0.1601430	2.6062414	32473
(44927)	14.8	311.86417	107.34261	240.33583	5.86049	0.2093756	2.2915400	32473
(44928)	15.8	325.73167	82.76954	250.44949	4.94324	0.1594637	2.3386763	32474
(44929)	13.7	332.68520	210.27515	72.74916	18.77341	0.1264253	2.7731452	32474
(44930)	15.7	50.81059	10.05323	242.60833	6.10971	0.1108078	2.3564766	32474
(44931)	15.4	50.91073	3.10261	242.34873	8.31699	0.0787292	2.4176070	32475
(44932)	15.3	349.64151	40.85346	247.20257	3.66156	0.1564447	2.3581754	32475
(44933)	14.8	42.86390	336.58436	254.82310	7.20422	0.1438406	2.3237264	32476
(44934)	16.0	291.75556	1.44495	354.19613	6.82715	0.1564312	2.2759658	32476
(44935)	15.7	311.80471	79.24027	250.58516	3.24014	0.1745013	2.3355606	32476
(44936)	15.5	24.51510	301.31920	350.60181	2.52129	0.1092323	2.1899511	32477
(44937)	13.9	93.62661	307.80573	243.27502	10.96383	0.1061426	2.5560349	32477
(44938)	15.2	329.05147	69.58723	266.98420	2.65622	0.1718162	2.2271122	32478
(44939)	14.5	2.12281	2.94429	242.36154	8.53133	0.1214158	2.7182892	32478
(44940)	14.1	134.80059	98.64179	78.49525	6.94345	0.0681592	2.4407125	32478
(44941)	15.7	12.97736	225.00291	27.79693	1.56138	0.1557184	2.4026127	32479
(44942)	15.4	197.84836	237.24771	227.52283	4.37644	0.1823088	2.3827242	32479
(44943)	15.1	192.58545	260.70437	205.07077	1.88005	0.1805561	2.4112362	32480
(44944)	15.0	310.09588	281.93126	49.69381	6.51673	0.1184361	2.3813112	32480
(44945)	15.6	154.47706	272.06895	228.12295	8.86615	0.1086595	2.4555323	32480
(44946)	15.9	27.92497	231.31463	14.31378	0.86254	0.1300474	2.4261553	32481
(44947)	14.4	27.37997	20.47141	229.17558	3.12160	0.1094576	2.4236404	32481
(44948)	15.7	62.57181	320.69291	242.00779	1.41692	0.0993142	2.6031529	32482
(44949)	15.0	136.49213	91.67155	50.41247	8.20436	0.1361859	2.5768493	32482
(44950)	15.7	229.02791	208.39140	212.76460	5.25758	0.0704217	2.4013542	32483
(44951)	13.5	40.96398	6.20798	227.94441	13.38530	0.1225640	2.5505540	32483
(44952)	15.9	336.20470	111.30622	199.23881	2.12088	0.1816986	2.3158001	32483
(44953)	14.6	263.38167	302.91854	112.25297	7.06805	0.1442557	2.4599031	32484
(44954)	15.0	344.78314	62.78782	231.30043	5.69568	0.1204490	2.3427343	32484
(44955)	14.3	91.51409	273.26169	259.45417	2.59249	0.1381389	2.6841885	32485
(44956)	15.8	292.23926	35.71359	313.35134	1.90138	0.1126157	2.4228145	32485
(44957)	15.5	34.14370	279.92450	318.87934	4.22650	0.1539857	2.3450379	32485
(44958)	15.6	62.46076	207.05200	13.41490	6.56740	0.0468195	2.3771633	32486
(44959)	16.5	337.07489	219.39224	81.93337	1.81457	0.1757826	2.2583368	32486
(44960)	14.7	79.95680	130.34904	79.07654	7.71368	0.0674072	2.3494850	32486
(44961)	15.6	235.64990	223.95874	148.23468	10.88049	0.0925594	2.5800659	32487
(44962)	15.3	280.77882	103.47926	245.32552	4.81729	0.2191316	2.3680146	32487
(44963)	16.7	330.41000	104.18115	215.91691	5.53050	0.1427655	2.2792105	32487
(44964)	15.0	71.34417	163.74974	32.95653	6.77757	0.0622315	2.4384260	32488
(44965)	15.6	162.46699	288.13540	199.44976	6.64592	0.0592537	2.3003029	32488
(44966)	15.3	123.22788	329.48832	192.62479	2.92212	0.1062812	2.3463906	32488
(44967)	15.4	51.75990	194.29358	20.15496	3.13709	0.1168662	2.3952146	32489
(44968)	16.0	209.70760	257.09453	187.75270	1.73974	0.0763070	2.3567150	32489
(44969)	15.4	281.97774	171.98341	215.87795	5.10696	0.2399435	2.2074629	32489
(44970)	16.2	355.92420	222.78782	54.39122	3.18581	0.1198246	2.4033661	32490
(44971)	16.1	6.96990	38.04264	226.87014	1.79040	0.1748796	2.4387505	32490
(44972)	15.4	230.75447	150.51610	231.03175	0.55073	0.0769979	2.7930141	32490
(44973)	16.8	305.28817	24.95838	318.47465	0.64361	0.1974696	2.3820554	32490
(44974)	15.1	311.06760	58.21420	257.99323	9.13934	0.1686278	2.3350687	32491
(44975)	14.7	207.30603	104.79639	285.41927	4.78700	0.0625804	2.7937602	32491
(44976)	15.8	57.71013	30.02275	194.94525	3.45780	0.1073198	2.4035808	32491
(44977)	14.5	109.19756	280.23059	238.94006	7.61234	0.1456526	2.7545653	32492
(44978)	15.5	211.27266	217.74982	225.45400	8.86513	0.1400032	2.3243225	32492
(44979)	15.6	237.45911	195.09749	221.12506	7.46462	0.0850067	2.2885117	32492
(44980)	16.1	316.37267	52.12399	258.87274	1.60382	0.1992122	2.3947671	32493
(44981)	15.4	351.70104	39.60794	242.22806	5.45608	0.0888413	2.3887424	32493
(44982)	14.3	82.87272	191.72610	359.01059	2.67804	0.1245038	2.4318691	32493
(44983)	14.9	350.50758	46.38504	236.83187	7.26330	0.1086873	2.4061559	32494
(44984)	15.4	338.78730	338.08011	336.86744	1.68834	0.1152151	2.2886136	32494
(44985)	15.1	57.54788	252.82989	292.28035	2.48450	0.0242024	2.7894885	32494
(44986)	15.6	326.76760	277.85139	43.77275	7.52880	0.1367974	2.3195721	32495
(44987)	15.5	241.83857	81.71802	348.65707	1.50914	0.1173708	2.3397246	32495
(44988)	16.0	206.48024	58.76795	32.99232	2.41213	0.0271105	2.4761483	32495
(44989)	16.2	293.52759	185.41135	142.69573	1.73284	0.2083529	2.4206682	32496
(44990)	14.9	295.87085	341.53748	315.11491	8.81845	0.0667380	2.6599233	32496
(44991)	14.5	21.76689	238.25850	27.59886	6.92105	0.0860327	2.4153760	32496
(44992)	15.1	352.43412	177.22941	111.52649	6.14544	0.1157336	2.3067433	32497
(44993)	16.2	285.60617	228.33817	145.12458	6.10297	0.1645851	2.2535506	32497
(44994)	15.2	140.15034	24.76229	117.88554	10.10253	0.0597112	2.5124887	32497
(44995)	16.3	237.15886	294.18201	136.48010	2.05671	0.0928876	2.2463432	32498
(44996)	15.4	119.15730	110.19819	64.35323	3.61634	0.0415809	2.3004464	32498
(44997)	16.3	317.74883	223.78604	106.05279	2.96778	0.1913963	2.2410819	32498
(44998)	15.5	124.35838	34.53682	113.48193	2.77635	0.0450112	2.6092441	32499
(44999)	15.1	193.19271	289.00766	120.60554	2.95808	0.0768464	2.7177714	32499
(45000)	15.0	103.15931	307.71141	192.15782	5.74667	0.0210456	2.7274725	32499
(45001)	15.2	335.10428	212.37174	75.94634	6.57298	0.2580714	2.3659365	32499
(45002)	14.7	22.44779	357.79201	252.01326	6.45287	0.0571904	2.4045018	32500
(45003)	15.8	180.18060	317.15578	158.96497	4.60924	0.0549818	2.4046914	32500
(45004)	16.9	314.20191	193.84094	139.61271	5.41458	0.1962028	2.2149359	32500
(45005)	16.4	4.43033	186.10034	105.63902	8.76197	0.1075668	2.2538157	32501
(45006)	16.7	307.09536	175.36393	166.37959	6.92717	0.1376354	2.2845153	32501
(45007)	15.0	171.15761	299.05622	127.55112	18.83983	0.1378750	2.8968570	32501
(45008)	15.3	331.16840	355.10302	314.24563	3.05503	0.2176646	2.3439024	32501
(45009)	13.8	222.40720	94.66978	348.92491	12.32914	0.1665442	2.6786485	32501
(45010)	14.5	83.57289	211.69094	286.90860	5.80418	0.1408006	3.0878667	32502

(45011)	15.1	186.00610	320.41397	141.93236	4.98033	0.1686721	2.5613784	32502
(45012)	14.4	154.13753	334.65833	146.68253	14.78229	0.1472690	2.6701898	32502
(45013)	13.4	176.28336	66.58417	52.85485	9.66977	0.1554759	2.6255702	32503
(45014)	14.6	234.29767	288.07407	149.99454	1.32108	0.1698112	2.3702722	32503
(45015)	14.8	254.29388	102.07260	272.02659	10.58152	0.1854236	2.5862162	32503
(45016)	14.0	154.75450	6.96075	111.83167	10.16556	0.0889446	2.7508742	32504
(45017)	14.4	275.23527	155.89459	234.69210	12.37242	0.1831594	2.3449634	32504
(45018)	15.3	279.30829	163.93081	227.74561	2.57976	0.2152390	2.2974288	32505
(45019)	14.3	333.16421	32.69463	295.91992	6.15659	0.1308295	2.3446151	32505
(45020)	12.4	22.44123	136.10159	91.32115	12.34744	0.0559553	3.0393219	32505
(45021)	15.4	196.69088	350.83612	116.99842	3.50141	0.1192729	2.4049204	32506
(45022)	15.7	294.01691	268.54861	80.32604	7.28177	0.1524766	2.3802979	32506
(45023)	15.3	197.64470	233.97859	210.88657	3.03877	0.1016879	2.5783459	32506
(45024)	15.1	312.77769	252.06917	79.91774	7.57865	0.2176211	2.3751644	32507
(45025)	14.0	162.26650	237.96330	267.92518	11.99061	0.1782201	2.7161020	32507
(45026)	16.2	275.24529	296.99879	90.17343	2.75829	0.2062251	2.3032691	32507
(45027)	15.8	241.33307	233.24468	140.66877	5.11601	0.0614632	2.7364185	32508
(45028)	14.1	212.86692	251.15354	204.06574	6.83681	0.0673833	2.3785803	32508
(45029)	14.8	295.28518	197.03161	133.22074	1.99456	0.1469798	2.5560471	32509
(45030)	16.2	64.88964	147.33431	58.99469	3.12481	0.1161942	2.5737640	32509
(45031)	13.9	97.79108	73.19630	103.09471	8.03821	0.1522327	2.8407603	32509
(45032)	16.0	301.91830	273.15560	68.51260	4.85511	0.1292852	2.3535752	32510
(45033)	14.7	150.94405	302.63569	206.44248	10.51621	0.1187038	2.5282035	32510
(45034)	13.9	234.53627	280.14284	113.05769	14.18674	0.1845731	2.5839736	32510
(45035)	14.4	263.17999	198.05161	170.09402	9.44278	0.0944409	2.5790784	32511
(45036)	15.7	244.24657	200.16455	214.76173	7.08289	0.0848167	2.3687896	32511
(45037)	15.2	168.00684	332.18498	106.37325	3.26074	0.0365352	2.8072737	32511
(45038)	15.4	320.24647	272.87134	62.74502	7.39012	0.1435029	2.3309607	32512
(45039)	15.4	241.91091	148.85644	260.59919	1.34003	0.1478034	2.5413434	32512
(45040)	13.7	2.62099	193.29723	93.29736	8.05871	0.1415217	2.6023766	32512
(45041)	15.2	192.93087	145.53569	322.83175	6.65911	0.0673353	2.3426896	32513
(45042)	13.9	48.90804	289.70312	330.10053	4.85577	0.0843815	2.2476976	32513
(45043)	15.3	264.29834	96.02438	291.22936	5.70105	0.1203943	2.3594323	32514
(45044)	15.0	293.76950	200.83109	163.77062	6.87819	0.1115176	2.3936277	32514
(45045)	14.8	318.78508	74.88813	273.17164	22.58926	0.2731728	2.3185956	32514
(45046)	15.6	176.42346	302.84496	170.55380	2.83257	0.1306597	2.4452448	32515
(45047)	14.5	9.66974	201.36498	65.39447	7.31966	0.0718274	2.3998189	32515
(45048)	15.5	220.41952	358.39010	72.01016	4.96015	0.0914638	2.3782614	32515
(45049)	15.8	316.83080	156.06990	180.93885	6.60738	0.1351635	2.2866178	32516
(45050)	13.5	117.67220	297.79427	283.21045	12.00928	0.1194209	2.6305327	32516
(45051)	14.9	262.75270	330.08737	66.22714	6.99981	0.1443087	2.3001708	32516
(45052)	15.5	272.11421	130.51851	245.30660	5.79675	0.1370349	2.3298410	32517
(45053)	14.3	172.35970	144.22231	344.49210	2.13055	0.1501189	2.3947225	32517
(45054)	14.5	94.50744	297.22734	244.82062	1.71031	0.1292026	2.5401684	32518
(45055)	15.2	319.43994	92.46278	242.86024	4.32279	0.1339562	2.2767372	32518
(45056)	15.6	294.35587	284.39990	77.88984	5.56200	0.2223129	2.2714277	32519
(45057)	15.3	283.84202	275.29030	96.33501	7.13211	0.1207773	2.3706183	32519
(45058)	15.5	318.74774	246.16860	99.26181	4.34903	0.1799733	2.2569787	32519
(45059)	15.2	286.95051	178.79663	205.97071	6.13236	0.1242078	2.3037981	32520
(45060)	14.9	330.85323	137.55840	186.74665	6.71387	0.1251095	2.4046194	32520
(45061)	13.4	193.23665	337.35650	134.15047	10.15361	0.0187817	2.5733916	32520
(45062)	13.8	96.55582	63.14535	121.54979	9.52164	0.1128576	3.0227464	32521
(45063)	13.4	317.42576	220.40181	119.87032	15.34095	0.1982832	2.5895403	32521
(45064)	14.7	228.48536	189.74809	244.76401	1.24971	0.2305700	2.6698678	32522
(45065)	14.4	174.47186	226.93339	297.00827	8.83008	0.0771518	2.5826351	32522
(45066)	13.9	236.89540	316.82465	116.97915	16.32295	0.0767077	2.6274486	32522
(45067)	14.2	126.27413	254.72522	280.82587	7.48927	0.1611845	2.9780236	32523
(45068)	12.8	94.78248	243.90667	317.68325	9.54781	0.0587749	3.0275227	32523
(45069)	13.0	44.79842	128.46161	124.36395	14.30586	0.0256097	3.1323200	32524
(45070)	15.8	242.56865	316.68657	103.91315	3.04542	0.2003609	2.4074888	32524
(45071)	15.6	296.22921	170.23567	205.90184	5.96615	0.1708748	2.2975857	32524
(45072)	15.2	303.12381	174.69011	191.09592	7.86423	0.2112252	2.2172108	32525
(45073)	14.9	272.59277	21.63470	8.22608	6.90741	0.1477670	2.3337475	32525
(45074)	15.9	331.61442	59.87807	276.50021	5.22864	0.2516652	2.2115711	32525
(45075)	14.6	170.11766	164.48478	264.22149	9.74119	0.0349517	3.0062768	32526
(45076)	14.0	233.65009	345.02819	78.36064	9.37405	0.2911135	2.6805715	32526
(45077)	15.5	324.16649	154.99802	186.35196	6.50453	0.1336403	2.3243743	32526
(45078)	14.1	260.19407	276.74725	110.85514	10.30431	0.1424179	2.5634181	32527
(45079)	13.7	228.65786	150.65156	240.19772	12.57227	0.0959504	2.6074047	32527
(45080)	16.1	260.35813	0.84368	36.54621	2.49489	0.2205168	2.3293770	32528
(45081)	15.2	341.39913	38.32226	271.78960	3.87097	0.1551903	2.3103715	32528
(45082)	14.1	341.42249	253.16849	47.43944	7.03483	0.1336233	2.3915619	32528
(45083)	14.7	50.60340	9.53810	252.21409	6.53200	0.1065260	2.2598965	32529
(45084)	16.1	311.65216	218.76123	106.47974	3.22260	0.2456884	2.3281683	32529
(45085)	15.3	298.58678	280.13483	83.31015	6.29503	0.1463940	2.2694145	32529
(45086)	14.7	93.82511	185.49164	48.62135	5.59414	0.1093474	2.2197283	32530
(45087)	14.4	19.38708	356.36491	244.80954	13.16595	0.1608697	2.6771129	32530
(45088)	14.1	159.00084	174.37905	256.74430	3.51577	0.1657007	3.0360149	32530
(45089)	15.0	2.10597	249.83779	25.06127	2.77201	0.0326598	2.5326007	32531
(45090)	13.5	76.32741	319.94991	249.95841	11.93177	0.2528293	2.6392177	32531
(45091)	15.7	141.33481	243.77698	257.83962	1.48821	0.0149896	2.5366522	32532
(45092)	16.3	296.65071	100.49222	234.39732	1.57745	0.2302879	2.4172601	32532
(45093)	15.9	314.86814	71.63474	263.27854	2.25703	0.1857101	2.3396489	32532
(45094)	14.8	292.40936	145.23962	176.88123	2.45310	0.0606902	2.7102874	32532
(45095)	16.4	333.89122	236.52139	88.21387	1.26112	0.1242528	2.3350633	32533
(45096)	14.9	168.71457	230.59991	247.22916	5.65592	0.0692144	2.5706345	32533
(45097)	14.3	352.54649	211.43174	70.83328	1.85138	0.1408007	2.5504511	32533
(45098)	15.1	351.39407	44.79136	254.43938	5.67356	0.1968559	2.3988164	32534
(45099)	15.2	157.64683	184.41136	253.20619	0.84898	0.0279314	3.0868252	32534
(45100)	15.7	332.88925	246.89327	82.53319	5.33311	0.2541464	2.2548265	32534
(45101)	15.7	335.68834	106.30283	229.06795	5.55390	0.1653753	2.2643898	32535
(45102)	15.1	2.61760	34.19745	254.04987	6.57419	0.1779798	2.4607186	32535
(45103)	14.2	17.66729	4.30455	222.17450	1.42109	0.1006355	3.0922733	32535
(45104)	14.1	248.03866	180.93642	244.31631	1.40596	0.2016354	2.3656658	32536
(45105)	13.3	79.19720	75.05778	90.55106	9.93708	0.0394115	3.1190908	32536
(45106)	13.2	8.46668	21.01469	254.46485	6.39895	0.0244390	2.6411738	32536
(45107)	14.7	327.68747	240.60774	86.77426	3.16750	0.2250507	2.3743341	32537
(45108)	13.2	335.50011	6.06538	257.92111	22.03846	0.0736212	3.1684373	32537
(45109)	13.9	66.78105	275.43158	260.21814	6.88684	0.0566340	3.2414230	32537
(45110)	14.3	150.81699	235.06032	256.53138	7.84357	0.0785198	2.7565093	32538
(45111)	13.2	96.34162	260.97319	251.29056	8.20032	0.0302737	3.1019016	32538
(45112)	14.5	349.66160	36.22090	254.01271	12.87853	0.0645830	2.5645472	32538
(45113)	15.0	354.96228	198.40385	80.29236	4.90975	0.1291713	2.6036290	32539
(45114)	15.4	295.96510	214.31366	159.28415	2.15062	0.1157121	2.3803975	32539

(45115)	15.5	323.56000	99.49988	224.24515	1.32522	0.2195618	2.3942191	32539
(45116)	15.0	228.62243	235.66749	193.13254	2.53906	0.1631900	2.5529421	32539
(45117)	14.6	161.16195	223.71819	269.43761	6.58827	0.1646402	2.7822086	32540
(45118)	13.4	73.16051	87.29286	107.38123	8.32242	0.0709469	3.1278417	32540
(45119)	12.9	54.37047	309.24435	277.46004	9.33965	0.1928691	3.1274617	32540
(45120)	13.6	233.33909	106.97080	286.23797	8.56399	0.2221121	2.7824588	32541
(45121)	14.6	167.71074	222.12054	285.65610	10.99149	0.1888635	2.6589591	32541
(45122)	14.4	103.91920	316.17695	259.35419	11.50662	0.1216861	2.5395096	32542
(45123)	13.4	7.98092	5.90354	269.30188	8.20484	0.1217914	2.7796623	32542
(45124)	13.1	12.33802	16.13410	266.19027	6.88810	0.1701783	2.6483421	32543
(45125)	14.9	328.64895	213.06507	111.16004	9.65537	0.1810512	2.5517654	32543
(45126)	14.0	39.42748	331.42073	261.44301	9.30158	0.0505718	2.9663921	32543
(45127)	13.8	93.96535	73.77470	103.35514	11.90612	0.0900971	3.0634678	32544
(45128)	15.8	280.20157	195.85574	199.13673	0.49239	0.1793399	2.3988894	32544
(45129)	14.1	206.69026	129.00661	305.12057	0.99963	0.0575429	2.8440655	32544
(45130)	14.2	332.06560	196.41821	139.04445	2.54340	0.2063157	2.4823531	32545
(45131)	14.8	283.23299	83.19631	264.98501	13.83503	0.1734383	2.6545881	32545
(45132)	13.9	193.85237	208.58365	278.84617	11.73814	0.2522346	2.5826580	32545
(45133)	14.5	265.62392	80.24432	305.47776	3.18426	0.1228998	2.6640076	32546
(45134)	14.3	303.93999	234.19214	101.34397	11.54737	0.2239801	2.7289523	32546
(45135)	14.3	274.87274	281.51659	111.41072	15.45021	0.1689702	2.5398498	32547
(45136)	13.9	126.46261	41.00925	113.70991	17.70037	0.1625044	3.1425770	32547
(45137)	14.8	285.71811	110.25405	276.12821	4.06195	0.1797936	2.2722938	32547
(45138)	15.6	323.31404	279.10368	60.22063	4.89475	0.1997994	2.3051368	32548
(45139)	13.5	327.96266	226.30483	66.41862	10.22156	0.1290790	2.7570730	32548
(45140)	13.9	143.86259	237.30249	263.54177	12.29469	0.1015777	2.7357675	32548
(45141)	14.3	268.47441	109.71451	283.46617	7.88333	0.2331017	2.4175125	32549
(45142)	15.6	284.09560	77.53071	301.79973	1.33348	0.2226902	2.3693906	32549
(45143)	14.4	218.65881	33.68037	33.97837	2.18882	0.0783392	2.7692186	32549
(45144)	14.6	128.67032	211.91103	301.51015	5.33434	0.0463418	2.6247501	32550
(45145)	14.3	258.02287	359.79586	40.74623	6.21655	0.1655443	2.4076162	32550
(45146)	15.0	263.72733	162.92389	251.23645	0.40003	0.1813774	2.4160818	32550
(45147)	15.6	346.76405	224.91596	69.05636	7.24439	0.2067024	2.2971415	32551
(45148)	15.0	64.52841	53.46231	159.67191	2.81490	0.0795482	2.5174630	32551
(45149)	14.7	351.41229	15.11648	283.22644	6.21728	0.1405679	2.2620482	32551
(45150)	14.0	78.71240	287.60190	251.12340	11.16037	0.1209644	2.6979235	32552
(45151)	14.5	289.73174	269.67975	98.34971	6.34427	0.0884335	2.3297940	32552
(45152)	15.1	24.42435	285.27546	331.87032	22.44934	0.2035511	2.2721096	32553
(45153)	13.3	159.44948	255.31285	269.27520	23.56611	0.2150015	2.2997336	32553
(45154)	14.0	88.31590	212.41626	332.42523	12.84871	0.1081395	2.5565043	32553
(45155)	14.1	23.64411	284.24377	327.33552	12.27347	0.1626592	2.4498675	32554
(45156)	12.9	64.90795	234.91133	322.76360	11.89897	0.1039972	2.6783367	32554
(45157)	14.8	243.43571	146.88394	270.23816	5.73330	0.1116228	2.3499364	32555
(45158)	16.0	290.53724	351.99882	20.49637	5.60940	0.2529705	2.2340566	32555
(45159)	14.9	181.34552	187.31165	292.18765	5.20980	0.1176656	2.4370107	32556
(45160)	15.1	288.90876	40.31314	326.36841	6.45625	0.1517158	2.3109844	32556
(45161)	15.1	26.41675	356.93183	273.14054	11.74046	0.1390477	2.3156308	32556
(45162)	14.4	17.97723	17.32707	269.45451	9.16884	0.0122238	2.3377155	32556
(45163)	14.0	310.89679	326.08914	5.09802	6.44844	0.1132074	2.3506887	32557
(45164)	16.2	276.26917	186.44232	163.16063	9.15864	0.3519993	2.3756573	32557
(45165)	14.0	291.75684	30.26438	301.22869	6.74101	0.1743064	2.6051574	32557
(45166)	15.9	319.74319	357.84024	350.78849	5.30364	0.2013557	2.2350313	32558
(45167)	15.0	358.74357	330.58399	337.20421	6.65313	0.0587560	2.3454353	32558
(45168)	16.0	303.18118	33.33098	324.20982	5.60435	0.1414107	2.3566285	32558
(45169)	14.1	199.48172	194.32340	297.05151	13.41152	0.0801846	2.3636202	32559
(45170)	13.9	25.50582	296.07069	332.38998	11.21456	0.2121281	2.6780431	32559
(45171)	13.7	171.48589	180.18105	305.75384	16.44041	0.2163069	2.7649359	32559
(45172)	13.6	271.97765	110.93637	299.16612	23.69098	0.1628919	2.3707879	32560
(45173)	14.8	246.21201	286.94373	124.13477	5.86758	0.2013993	2.3896746	32560
(45174)	15.6	323.51134	181.70487	149.19997	8.62826	0.1954736	2.2861049	32560
(45175)	16.3	281.29931	282.61034	112.12609	2.80843	0.2389946	2.3522569	32561
(45176)	15.8	320.13282	220.83918	109.01913	6.03478	0.2590921	2.6111316	32561
(45177)	14.1	81.83783	79.14661	113.28696	3.85355	0.1321818	3.1580942	32561
(45178)	15.4	304.96088	76.18375	280.99054	4.36668	0.2214948	2.3996537	32562
(45179)	14.0	10.45075	12.87112	277.63436	13.51195	0.0569336	2.4308338	32562
(45180)	15.3	8.79584	34.00013	228.13749	5.69364	0.1180140	2.4779226	32562
(45181)	16.0	349.84699	231.76730	80.78471	4.20754	0.1056266	2.3047208	32563
(45182)	15.8	344.32948	56.76158	240.46999	1.87908	0.1680335	2.3811336	32563
(45183)	15.3	330.41279	282.74701	30.16738	2.79261	0.1957165	2.4232466	32563
(45184)	15.3	334.10754	83.95717	232.93186	8.63505	0.2498296	2.3559003	32564
(45185)	15.4	299.70539	160.76328	213.70193	3.90918	0.1567420	2.3144031	32564
(45186)	15.7	285.46272	256.71546	100.65268	7.54410	0.1009182	2.5177988	32564
(45187)	14.6	335.59581	84.28670	216.01057	4.38174	0.0368244	2.7486917	32565
(45188)	14.1	280.85314	120.06663	234.32979	6.27640	0.2083754	2.5747533	32565
(45189)	14.1	113.17266	301.04420	257.48166	13.27867	0.1160642	2.6145960	32565
(45190)	15.2	204.17876	123.23654	316.85032	2.56181	0.0678253	2.5737180	32565
(45191)	13.3	120.48235	43.19159	108.17420	17.88014	0.0882027	3.2322476	32566
(45192)	14.4	220.88447	147.22484	306.99201	10.76666	0.1819821	2.5739674	32566
(45193)	14.1	245.29735	107.90336	323.49204	12.94674	0.2153220	2.5313346	32566
(45194)	14.2	245.20155	111.37441	324.64775	12.01320	0.1685952	2.5643791	32567
(45195)	14.4	256.54877	30.43290	13.15635	6.89399	0.1201714	2.3664882	32567
(45196)	15.3	303.39406	82.90242	287.10209	7.17568	0.1043405	2.2521660	32568
(45197)	14.3	150.73845	96.52481	36.42513	5.91000	0.1134721	2.6768389	32568
(45198)	15.6	311.48708	75.92555	297.08274	5.99606	0.1763718	2.2285888	32568
(45199)	13.2	102.47751	276.40464	282.71925	12.61610	0.1368655	2.6136770	32569
(45200)	14.9	205.03494	118.62833	339.10121	3.83804	0.2184051	2.5557324	32569
(45201)	12.6	5.59994	200.68344	70.00136	10.11505	0.0648113	2.8001078	32569
(45202)	14.1	209.52387	19.90074	52.35696	6.41080	0.0640431	2.7489293	32570
(45203)	15.1	225.95893	143.41448	296.71650	6.36996	0.1655482	2.5292012	32570
(45204)	14.0	186.45339	153.37791	307.67130	8.30295	0.1173310	2.7882848	32570
(45205)	12.7	143.92170	204.86987	319.28281	9.09155	0.0687879	2.6600133	32571
(45206)	14.2	290.25832	78.34917	301.49534	7.82375	0.2274135	2.4048727	32571
(45207)	14.1	168.54866	179.83868	302.32843	13.36258	0.2999614	2.8630374	32571
(45208)	14.8	308.25815	68.30824	324.70018	6.40212	0.1754692	2.2610217	32572
(45209)	15.7	319.06351	329.77928	23.43059	2.76503	0.2541286	2.3757653	32572
(45210)	13.5	230.16667	295.09821	84.81895	17.99296	0.1287369	3.2052277	32572
(45211)	14.7	181.85540	53.64028	65.95539	9.36695	0.1028071	2.7837493	32573
(45212)	14.2	245.68706	76.57801	357.81716	13.09640	0.1646941	2.5712223	32573
(45213)	13.8	35.36646	323.65475	280.86097	14.18380	0.1176397	2.5462237	32573
(45214)	15.2	266.90108	40.71103	355.01646	6.74454	0.1139481	2.3458859	32573
(45215)	15.0	318.61356	27.74467	316.43995	5.84776	0.2093596	2.2715233	32574
(45216)	13.8	30.93504	298.24499	303.32961	11.82910	0.1670618	2.7328912	32574
(45217)	13.5	74.52795	293.17197	286.33259	13.63665	0.1777545	2.6405549	32574
(45218)	14.5	324.03022	311.65552	2.68672	6.62670	0.1574108	2.5332871	32574

(45219)	14.3	325.00654	71.48846	291.95262	22.12005	0.0314824	2.3667356	32575
(45220)	15.0	301.99732	66.82530	305.62297	6.30444	0.1371897	2.2950546	32575
(45221)	14.6	218.86218	148.18908	309.60943	6.86655	0.0654168	2.3893501	32575
(45222)	12.8	198.92522	145.39624	301.06351	12.68698	0.1271540	2.6829828	32576
(45223)	14.6	320.53539	9.62046	324.33063	6.23797	0.1663849	2.4362594	32576
(45224)	13.1	147.00032	180.55515	311.47580	12.93746	0.2736675	2.9014286	32576
(45225)	15.4	268.38125	254.09481	141.86109	7.37778	0.1185031	2.3429971	32577
(45226)	15.7	321.74723	204.59570	142.21921	7.79245	0.1366404	2.3075921	32577
(45227)	15.9	262.83105	239.98951	183.17558	7.63239	0.0970884	2.2854657	32577
(45228)	14.4	277.95629	133.39192	221.50795	6.69651	0.2086699	2.5764233	32577
(45229)	14.5	342.29935	297.74701	3.55880	6.13941	0.1301774	2.4579671	32578
(45230)	15.6	229.39091	321.59186	128.10395	6.59409	0.1901892	2.4286517	32578
(45231)	14.5	226.26201	188.56479	234.35485	9.48283	0.1025017	2.7599108	32578
(45232)	14.4	318.48154	44.40020	283.32982	10.65962	0.2033173	2.6527070	32579
(45233)	14.9	252.37383	287.01129	105.29478	7.25065	0.0498592	2.7803277	32579
(45234)	14.3	199.74510	350.81895	91.92883	7.24862	0.1136907	2.3961355	32579
(45235)	14.2	237.10013	283.97279	99.44242	11.37797	0.0979790	2.9954620	32580
(45236)	14.8	295.09719	0.83486	2.86272	7.23637	0.1235681	2.3017451	32580
(45237)	15.8	280.44318	47.37032	337.31741	6.70096	0.1200938	2.2841070	32580
(45238)	14.8	37.17299	295.06005	330.47590	5.35580	0.1620341	2.2198378	32581
(45239)	14.0	240.81524	340.77745	78.50408	10.09731	0.1398511	2.7663318	32581
(45240)	14.7	347.17355	130.23487	146.66540	14.34722	0.1634118	2.5964472	32581
(45241)	15.7	284.55750	164.29549	221.01872	1.83560	0.2170966	2.4149566	32582
(45242)	15.2	272.11899	180.97811	202.69708	6.02956	0.1349294	2.3656931	32582
(45243)	14.7	44.68573	313.82011	280.69344	7.95691	0.0470336	2.5464504	32582
(45244)	14.9	141.77573	163.80770	339.06259	5.34854	0.0851847	2.5797578	32582
(45245)	13.8	257.78299	168.70620	222.80917	16.17587	0.0275422	2.8113600	32583
(45246)	15.7	150.98977	340.79577	149.34475	7.63439	0.0115704	2.5873157	32583
(45247)	15.9	325.64037	173.51094	162.53381	7.99476	0.1377233	2.3415515	32583
(45248)	13.8	65.51476	23.42287	196.43895	25.83337	0.2053123	2.6088488	32584
(45249)	15.4	349.83879	3.34713	309.38743	2.32732	0.0487547	2.6397216	32584
(45250)	14.0	198.64242	337.20585	114.84643	32.86165	0.2141165	2.5937776	32584
(45251)	13.9	256.34403	293.79404	121.58288	22.88876	0.3178039	2.3352324	32584
(45252)	15.7	37.24887	168.46193	60.03255	6.63423	0.2300332	2.6024231	32585
(45253)	14.0	5.64318	357.64939	295.77955	7.19190	0.1950128	2.7569574	32585
(45254)	13.6	69.13765	114.70262	99.60687	2.94878	0.1223870	3.0807592	32585
(45255)	14.3	50.14503	126.68159	92.06972	2.65591	0.1744437	3.1765924	32586
(45256)	14.0	246.29622	256.32695	132.49643	22.63790	0.2407345	2.3976633	32586
(45257)	14.7	237.52223	275.65391	138.29044	2.77073	0.0548597	2.8603162	32586
(45258)	13.8	227.66611	229.55294	175.74291	24.47128	0.1685310	2.5476733	32587
(45259)	14.3	320.93263	187.87734	140.98337	2.73567	0.1161102	2.9341255	32587
(45260)	14.0	225.16872	297.36199	121.86388	12.95727	0.0320884	2.9436237	32588
(45261)	14.4	290.42777	258.47505	117.10354	7.30805	0.1893998	2.4735950	32588
(45262)	15.3	273.28271	247.33384	151.81772	2.77823	0.1975386	2.4117313	32588
(45263)	13.1	359.73308	7.55486	303.24475	12.34785	0.1724689	2.5804552	32589
(45264)	14.7	235.91759	113.90826	305.40053	3.37665	0.0878880	2.6439525	32589
(45265)	13.9	326.80232	199.42871	123.52155	2.85179	0.0690151	2.9380838	32589
(45266)	14.3	324.30153	331.00852	343.39295	1.25167	0.0754546	2.9289627	32590
(45267)	16.0	234.55274	7.68202	63.04988	7.14595	0.1111078	2.4678682	32590
(45268)	15.6	308.99298	320.36812	18.63193	5.38801	0.1170642	2.5875522	32590
(45269)	15.0	299.25848	25.76922	328.07608	5.88074	0.1463396	2.4223085	32591
(45270)	14.5	353.56180	258.25909	54.26976	7.46714	0.1221273	2.3924547	32591
(45271)	13.8	139.07098	239.50526	278.91623	12.06648	0.1343517	2.5405694	32591
(45272)	14.5	40.15036	318.26234	289.57873	8.98497	0.0693237	2.5470048	32591
(45273)	13.6	65.65004	294.39653	269.75562	3.55609	0.0831731	2.7608310	32592
(45274)	15.9	210.19482	31.91448	57.92043	7.27154	0.1098012	2.4888199	32592
(45275)	14.1	73.73837	277.71542	284.88606	7.88968	0.0992845	2.7821378	32592
(45276)	14.5	185.27210	25.08124	59.98136	5.94659	0.0128185	2.7500183	32593
(45277)	14.7	202.97360	198.76630	273.45541	5.05666	0.0719743	2.4439609	32593
(45278)	14.9	310.49730	280.06547	64.31374	3.16409	0.1998031	2.4038616	32593
(45279)	14.8	292.23860	279.20148	84.38738	6.94257	0.2576615	2.3607805	32594
(45280)	15.7	260.00172	72.30778	323.45434	1.47455	0.1715192	2.4671514	32594
(45281)	14.0	23.53170	356.42906	262.41737	14.48411	0.0969775	2.6014013	32594
(45282)	16.3	288.91042	348.09121	19.64420	2.33095	0.1940750	2.3786007	32594
(45283)	13.6	74.07465	306.69765	282.75923	12.04337	0.1370091	2.6796062	32595
(45284)	14.7	236.03761	306.60774	99.14566	6.47643	0.0555267	2.7512652	32595
(45285)	14.5	327.19068	238.28756	77.20063	4.43268	0.0992295	2.7561689	32595
(45286)	15.0	280.08117	35.74695	319.78700	3.65797	0.3149149	2.5507771	32595
(45287)	13.8	356.39262	3.97306	315.98974	6.35588	0.2111959	2.4282395	32596
(45288)	13.4	79.15281	99.78215	93.93941	10.83007	0.0571238	3.0774817	32596
(45289)	14.7	242.76361	65.38128	335.93695	4.07957	0.0521191	2.8039929	32597
(45290)	14.0	176.22291	168.38801	322.34247	12.00700	0.1192254	2.6975539	32597
(45291)	14.8	321.43599	41.30030	313.47539	8.79944	0.2370702	2.4092510	32597
(45292)	14.2	189.70274	63.98920	26.76650	3.45554	0.0741000	2.9775809	32597
(45293)	14.3	268.71672	57.71963	325.41455	11.90962	0.1141361	2.7420213	32598
(45294)	15.5	4.80756	349.06318	304.78320	1.69144	0.0668686	2.6713361	32598
(45295)	15.1	325.38928	10.92327	322.18907	3.38390	0.1058124	2.6042217	32598
(45296)	15.3	277.43810	14.37629	2.55963	1.82956	0.1010123	2.6616986	32599
(45297)	15.9	302.70109	30.46624	347.23019	1.52280	0.2382033	2.3417792	32599
(45298)	14.7	84.24032	22.04760	168.04707	10.05464	0.1555601	3.0811159	32599
(45299)	15.6	298.86700	306.68702	58.35538	4.82593	0.1892857	2.5664588	32599
(45300)	12.8	330.76593	63.20829	263.84243	10.22517	0.0881268	3.0980702	32600
(45301)	13.7	187.36664	316.98689	98.91038	10.45363	0.0742885	3.1235029	32600
(45302)	15.6	304.90872	359.34534	15.50176	2.65342	0.1983529	2.4505897	32600
(45303)	14.1	271.69570	42.52670	332.82678	1.32796	0.1058891	2.9285246	32601
(45304)	14.4	304.23417	257.72418	115.90718	12.80722	0.2719680	2.4321782	32601
(45305)	14.9	281.72139	88.75243	287.32942	14.09180	0.1339244	2.6046514	32601
(45306)	13.4	117.56414	208.20909	318.12414	4.32607	0.1334960	3.1663228	32602
(45307)	13.0	354.20936	162.98502	138.13855	10.80950	0.0815010	3.0323933	32602
(45308)	14.8	301.57853	265.64527	114.08340	10.07794	0.2294484	2.3373917	32603
(45309)	14.9	292.41833	282.52310	96.95804	3.16460	0.2149010	2.4310257	32603
(45310)	15.0	295.42358	297.24956	71.58076	1.73085	0.2130203	2.5171785	32603
(45311)	14.6	249.06344	284.34133	110.62312	7.74894	0.0691210	2.8808605	32603
(45312)	14.2	271.42797	230.56866	121.98610	14.83490	0.1443931	3.0768060	32604
(45313)	15.3	254.85614	302.14496	102.17057	3.69362	0.1966558	2.6174942	32604
(45314)	14.4	300.99223	85.53031	304.32463	6.61455	0.1999194	2.3702991	32604
(45315)	15.5	295.27522	342.04131	47.15163	3.23664	0.1933648	2.4122870	32605
(45316)	14.0	170.36686	15.10206	109.65275	6.99639	0.0399911	2.9077731	32605
(45317)	13.9	235.33754	284.35438	107.31657	12.49021	0.1514214	3.0681752	32605
(45318)	13.9	56.65965	262.62464	335.56462	8.06507	0.0423264	2.9929397	32605
(45319)	13.9	337.63858	8.20531	324.97574	13.06197	0.1613123	2.6889803	32606
(45320)	14.2	266.48812	93.10746	312.13630	11.81088	0.1936437	2.5413125	32606
(45321)	15.2	305.94794	343.62295	58.72510	0.57804	0.1909057	2.3070602	32606
(45322)	14.4	303.47051	263.66869	97.53988	6.53300	0.0983029	2.7686393	32607

(45323)	14.7	209.81124	265.34167	163.48629	7.24372	0.0956287	2.4228509	32607
(45324)	15.2	279.20184	274.03872	114.08798	7.55807	0.1072734	2.3480749	32608
(45325)	15.0	165.60499	306.17547	178.08159	3.62837	0.1782956	2.6722410	32608
(45326)	15.2	140.52182	46.65987	108.13628	2.80745	0.0535818	2.5904611	32608
(45327)	14.6	298.79001	254.47260	124.93353	8.56185	0.1278728	2.3006466	32609
(45328)	14.3	276.32793	259.34290	119.05005	7.27328	0.2161133	2.4032661	32609
(45329)	14.3	286.99629	218.13195	150.55978	5.12427	0.1636316	2.4319258	32609
(45330)	15.3	221.25068	300.76960	133.41216	5.21587	0.1739371	2.5501282	32610
(45331)	14.7	218.80418	172.20521	253.98105	4.46542	0.0439098	2.6853759	32610
(45332)	15.1	331.51041	122.39360	227.62556	5.50256	0.1739985	2.3146067	32610
(45333)	14.0	2.52394	22.77681	263.80574	10.75161	0.2195292	2.6099655	32610
(45334)	14.8	232.52642	241.18665	161.73763	2.17174	0.0106726	2.8589284	32611
(45335)	15.3	304.06104	188.41774	164.94906	4.65392	0.1627389	2.5234828	32611
(45336)	14.4	145.83751	252.46714	254.14898	8.08929	0.1001237	2.7943873	32611
(45337)	16.0	276.92028	168.47468	220.18675	1.93968	0.1826465	2.4494355	32612
(45338)	13.7	59.94510	91.16003	127.35312	15.53231	0.0522582	3.0671546	32612
(45339)	15.0	226.83854	303.06768	133.78782	5.12611	0.2216796	2.5714793	32612
(45340)	13.9	0.91656	177.13468	120.07692	10.42349	0.1390328	2.7671452	32613
(45341)	14.3	48.05050	97.36024	143.74828	6.73255	0.0384273	2.9231863	32613
(45342)	14.4	75.34371	21.24823	188.24483	1.12911	0.0769900	3.0426758	32613
(45343)	15.2	263.27503	248.01928	148.80817	4.16336	0.1085710	2.6623841	32614
(45344)	13.7	303.40249	197.26943	132.21755	11.43688	0.1125331	2.9762557	32614
(45345)	14.8	121.07635	3.60971	152.68740	1.86617	0.0305410	3.1190101	32614
(45346)	13.7	116.82967	196.52715	335.67570	6.76978	0.0570603	3.0795771	32614
(45347)	14.0	17.42892	315.73022	298.94752	6.43832	0.0230796	3.2289820	32615
(45348)	14.6	288.70811	246.74340	129.21754	12.71267	0.1869418	2.6053713	32615
(45349)	15.6	258.10845	293.28409	106.38399	4.23280	0.1710742	2.2580329	32615
(45350)	13.2	149.10176	185.11020	314.73329	7.47552	0.0834143	3.0587733	32616
(45351)	14.4	253.02435	272.21860	135.47053	9.84945	0.1596815	2.7970258	32616
(45352)	13.1	264.44523	282.79013	130.93223	12.02936	0.1845313	2.6551068	32616
(45353)	14.6	200.51104	346.01546	105.55744	3.53126	0.1364341	2.4036033	32617
(45354)	14.5	293.98712	251.21421	98.05892	7.10915	0.1418588	2.3329494	32617
(45355)	14.4	158.76827	6.12095	137.56415	6.11999	0.0122475	2.3192269	32618
(45356)	15.1	279.48907	262.57819	106.83913	6.87314	0.1663076	2.3570456	32618
(45357)	15.5	277.98739	219.82198	137.12553	5.99661	0.2557412	2.3743250	32619
(45358)	15.4	296.27335	181.40352	198.69799	6.04492	0.1988320	2.2043854	32619
(45359)	14.8	275.35080	268.82617	105.52602	10.66894	0.1387967	2.3830584	32619
(45360)	14.8	9.26212	175.02912	104.49651	7.11872	0.0996585	2.4328729	32620
(45361)	14.9	264.19619	286.12493	109.10306	7.23595	0.1355581	2.3658889	32620
(45362)	13.8	125.17555	270.50582	213.40102	8.21712	0.0799017	2.9427613	32620
(45363)	13.3	95.32184	298.69934	239.59593	16.64356	0.1115294	2.8139089	32621
(45364)	16.1	283.68846	170.36024	210.25734	6.04180	0.1219032	2.3617012	32621
(45365)	13.5	168.82977	244.02098	249.92337	13.76251	0.0376227	2.5686254	32621
(45366)	12.5	66.90595	62.77410	131.81498	12.19702	0.0426508	3.0510108	32622
(45367)	14.4	273.33635	237.56501	115.60598	10.22535	0.1963681	2.7398214	32622
(45368)	14.5	325.80739	88.65688	245.88344	9.47995	0.2542376	2.4178320	32622
(45369)	15.4	357.50705	132.48640	198.06719	2.62039	0.1890645	2.3099614	32623
(45370)	14.3	343.27632	107.30941	182.60725	1.73955	0.0871058	2.9410089	32623
(45371)	14.2	225.73508	313.30606	123.13503	12.58987	0.0397205	2.6351291	32623
(45372)	13.8	193.85067	200.79361	266.56257	12.69245	0.0936601	2.6822805	32624
(45373)	14.8	202.62678	220.71590	254.66533	8.70192	0.0389045	2.5471703	32624
(45374)	14.3	264.89053	241.44662	133.85872	12.39436	0.2118655	2.6620794	32624
(45375)	14.8	321.11293	75.42146	276.42253	11.94042	0.2820370	2.3783591	32625
(45376)	14.6	274.04982	132.54767	257.29417	5.68537	0.1459047	2.5711648	32625
(45377)	14.8	288.34849	237.55043	139.27335	11.49276	0.1475902	2.5565741	32625
(45378)	12.7	40.94568	343.65019	247.13264	8.29940	0.0460091	3.1674773	32625
(45379)	14.8	270.48929	172.68034	211.41437	5.03385	0.1715088	2.6594985	32626
(45380)	14.0	243.68402	225.72060	156.24480	11.15886	0.0753672	3.1097345	32626
(45381)	12.8	43.29227	56.50838	179.17704	5.17077	0.1128591	3.1083283	32627
(45382)	14.0	39.76510	91.41101	160.82717	10.54867	0.0518187	2.9736610	32627
(45383)	15.6	299.47072	141.43422	257.75325	2.63237	0.1884342	2.3193333	32627
(45384)	14.4	229.83664	208.08334	216.41303	5.34889	0.0507041	2.8601028	32628
(45385)	14.4	323.03490	66.90539	279.90162	11.52952	0.2007431	2.6123119	32628
(45386)	13.3	31.84106	321.28501	294.93228	9.16076	0.0521595	3.0589558	32628
(45387)	13.6	323.65813	206.90057	139.35616	8.55383	0.0383219	2.7163023	32629
(45388)	13.1	140.18240	207.11309	305.88591	9.66066	0.0509694	2.9905688	32629
(45389)	13.1	8.73529	332.10314	305.57206	16.15931	0.0620958	3.2315770	32630
(45390)	13.0	23.61473	327.46231	316.81123	11.06300	0.0117122	2.9457540	32630
(45391)	14.3	127.40934	240.57706	281.67055	8.04517	0.0272308	2.9850157	32630
(45392)	13.6	45.30879	345.85034	296.42273	12.61781	0.1524443	2.6958337	32631
(45393)	14.0	257.08973	244.04130	130.30354	6.59368	0.2926910	2.5415772	32631
(45394)	13.9	95.03073	179.94858	3.43473	5.57374	0.0701066	3.1119204	32631
(45395)	14.4	34.82601	275.54358	349.45973	3.85541	0.0483138	2.6542429	32632
(45396)	14.4	145.93390	41.14460	83.78309	6.06986	0.1569393	2.5740245	32632
(45397)	14.4	246.17934	294.08870	74.37324	14.45220	0.0851677	2.5305880	32632
(45398)	14.9	207.08128	219.72728	186.25074	7.74078	0.0465659	2.6097804	32633
(45399)	15.3	319.48061	201.75316	137.82388	5.61615	0.1521363	2.2226680	32633
(45400)	14.1	79.14288	359.21322	211.82843	6.91103	0.1055640	3.1167380	32634
(45401)	14.6	261.42525	224.84466	199.52514	5.93117	0.2104513	2.4198890	32634
(45402)	14.3	337.21132	192.01911	151.36355	14.69672	0.1023233	2.5703899	32634
(45403)	13.2	159.29421	251.74069	277.32176	11.24305	0.1225436	2.6750365	32635
(45404)	14.7	71.66490	313.22058	259.48778	6.66415	0.0657741	3.2279106	32635
(45405)	15.0	301.30106	215.33257	183.90285	4.82213	0.2252841	2.3257837	32635
(45406)	14.1	237.19213	132.16102	298.37787	12.31786	0.1552853	2.6989047	32636
(45407)	13.8	200.51640	322.53141	154.42953	13.13548	0.0971867	2.7169917	32636
(45408)	12.7	129.04351	262.48621	270.67473	8.70223	0.0343941	2.9966348	32636
(45409)	13.2	65.86553	304.82730	295.37591	9.68975	0.0650536	2.9973010	32637
(45410)	12.7	216.60827	150.83286	287.89553	9.10488	0.0826158	3.0229893	32637
(45411)	13.1	279.99966	95.25634	314.16579	12.12392	0.1459426	2.6351509	32637
(45412)	14.8	258.44773	242.29251	113.78419	5.16217	0.2207232	2.8051119	32638
(45413)	14.7	313.28224	214.61095	146.81349	6.73260	0.1448938	2.4196658	32638
(45414)	15.4	294.92673	179.76259	198.13958	7.92723	0.1298498	2.3328440	32638
(45415)	14.0	31.52491	128.71815	138.58620	12.94446	0.1494399	2.6028701	32639
(45416)	15.5	265.47293	297.03267	107.03474	6.39976	0.1573097	2.1871303	32639
(45417)	14.6	213.89260	259.03964	145.59002	4.80884	0.1136337	2.4652360	32639
(45418)	15.8	183.29676	196.19459	283.04502	1.21416	0.1177920	2.5553199	32640
(45419)	14.9	226.40939	141.74647	300.96886	13.04180	0.0540056	2.6043001	32640
(45420)	14.8	245.73710	351.83893	52.72803	6.16446	0.0373906	2.7786435	32640
(45421)	13.7	337.99608	351.41644	310.08977	9.90149	0.0441252	2.9847969	32641
(45422)	14.4	288.05687	288.25522	74.44149	3.10254	0.0339244	2.9086961	32641
(45423)	13.3	245.83902	108.30046	331.63642	12.00820	0.1356729	2.6759676	32641
(45424)	14.9	219.74079	190.02941	262.40036	11.23308	0.1135487	2.6092019	32642
(45425)	13.5	95.63800	345.74749	192.87792	11.54313	0.1249222	3.2070893	32642
(45426)	14.0	303.92624	141.37646	213.66473	10.42317	0.2518840	2.5212775	32642

(45427)	13.1	61.79234	60.01892	169.41233	14.84407	0.1567972	3.0467355	32643
(45428)	15.3	226.43356	272.17021	166.78319	11.68096	0.1916371	2.6243122	32643
(45429)	14.9	146.08880	33.28036	113.28749	14.54760	0.0957424	2.5909935	32643
(45430)	15.1	322.28254	165.74978	136.67895	8.69667	0.1941495	2.5830657	32644
(45431)	15.4	304.37721	168.68772	181.59806	6.73958	0.1480202	2.3954650	32644
(45432)	15.5	275.66000	204.45790	191.96238	6.46504	0.1305428	2.3559692	32644
(45433)	15.6	270.98876	204.10814	187.43857	6.07956	0.1170662	2.4380899	32644
(45434)	15.6	310.62823	155.68595	186.01728	7.27919	0.2332017	2.4027084	32645
(45435)	15.6	332.64283	183.20412	161.54416	7.13355	0.1539986	2.3053963	32645
(45436)	14.3	107.01562	51.39750	132.57258	13.89674	0.1748956	2.7236268	32645
(45437)	14.6	135.21505	300.54194	221.26424	10.82161	0.1207314	2.6305316	32645
(45438)	15.0	298.34230	178.35405	192.81594	6.44805	0.1174955	2.3757631	32646
(45439)	14.6	164.74229	314.65055	173.53910	6.75826	0.1941445	2.7633268	32646
(45440)	13.2	104.40675	329.11154	243.86615	10.66390	0.1309058	2.6008012	32646
(45441)	14.3	181.82597	278.56781	185.14351	8.68264	0.1164960	2.7661677	32647
(45442)	15.1	167.43709	270.27909	224.54350	8.30284	0.0495932	2.6825196	32647
(45443)	13.7	95.86091	312.45053	257.40350	12.16406	0.1403112	2.8041603	32647
(45444)	14.2	292.83206	136.62350	239.74693	10.25311	0.1069949	2.5124133	32648
(45445)	12.6	60.00414	340.98505	254.61154	12.57484	0.1926466	3.0180656	32648
(45446)	14.5	289.94710	154.79320	179.11263	13.57547	0.0630009	2.5685966	32648
(45447)	14.2	219.59288	228.05311	180.33562	12.11371	0.0212214	2.7070865	32649
(45448)	14.5	310.38387	198.38665	152.43930	11.75600	0.1286889	2.3447595	32649
(45449)	14.4	240.58149	285.01162	146.09078	10.89408	0.2320196	2.3677505	32650
(45450)	13.8	265.22228	144.11764	236.75886	14.31497	0.1425042	2.6092658	32650
(45451)	13.8	255.33255	165.47889	222.23111	11.58645	0.2177848	2.5987417	32650
(45452)	15.3	296.30093	141.01711	223.24387	10.45553	0.2883936	2.4129689	32651
(45453)	13.1	229.55390	128.52959	257.82101	20.55630	0.0644601	3.2062310	32651
(45454)	14.5	181.58188	337.20853	156.18015	16.47777	0.1196490	2.6215553	32651
(45455)	13.9	139.86002	283.53141	218.06653	8.92099	0.0396844	3.0559724	32651
(45456)	13.4	27.14681	49.80303	252.84522	12.60716	0.1817747	2.5541235	32652
(45457)	14.9	85.52757	6.76814	223.45368	11.98520	0.0969825	2.7824926	32652
(45458)	14.4	192.01993	210.61919	243.38706	8.07184	0.0364293	2.9687947	32653
(45459)	13.4	119.93800	244.41688	277.95790	14.43803	0.1263807	3.1684629	32653
(45460)	13.9	270.95439	153.14994	271.12574	13.00740	0.1459896	2.4243901	32653
(45461)	14.2	265.06824	134.85816	255.09804	8.69759	0.1527419	2.7582655	32654
(45462)	13.0	143.14491	220.55984	283.50033	16.75295	0.1126984	3.1059161	32654
(45463)	13.2	44.25090	83.46070	160.96923	16.49882	0.0455959	3.1281459	32654
(45464)	13.3	300.64113	164.69684	187.56848	10.34434	0.0823108	3.0600656	32655
(45465)	13.7	133.47278	19.06786	134.82390	13.70861	0.1768459	2.5699444	32655
(45466)	13.1	163.67864	233.98077	266.26385	8.63057	0.0317161	2.9941727	32655
(45467)	13.1	293.27294	116.76920	283.29065	10.83013	0.1733881	2.6561352	32656
(45468)	12.1	225.38168	125.84949	312.28917	20.97404	0.0832276	3.1771298	32656
(45469)	13.0	303.07902	137.99616	273.97363	8.59040	0.0461358	2.5701945	32657
(45470)	13.2	190.68076	217.06544	307.12733	13.98008	0.0715654	2.6164726	32657
(45471)	14.6	314.55202	192.17076	141.31306	9.56014	0.1591396	2.7283664	32657
(45472)	16.0	330.38771	200.20854	114.40874	3.18035	0.2251318	2.3518279	32658
(45473)	14.7	296.18070	66.37314	308.72775	1.61233	0.1945409	2.7318027	32658
(45474)	14.1	233.07435	242.85614	179.64782	1.98361	0.0988567	2.9479610	32658
(45475)	14.8	357.63005	198.09327	73.78246	2.45059	0.1534055	2.5645375	32658
(45476)	14.5	275.52544	88.90790	287.24181	2.11796	0.0995417	2.8139940	32659
(45477)	14.4	321.99652	29.42868	312.19887	11.26293	0.1584132	2.7332187	32659
(45478)	14.8	243.87625	272.45925	138.94070	4.56623	0.0926673	2.7840224	32659
(45479)	14.7	294.65746	259.18829	100.77405	6.93731	0.0561645	2.7770785	32660
(45480)	14.3	301.68030	58.57837	299.20479	6.59479	0.0794707	2.7501649	32660
(45481)	13.6	306.06712	253.87983	132.85386	11.47922	0.1674553	2.6670532	32660
(45482)	15.4	283.57196	261.54441	103.44237	7.44711	0.1459601	2.3219218	32661
(45483)	14.0	297.48910	207.97886	119.42878	6.75197	0.1506967	3.0507940	32661
(45484)	14.6	35.44840	21.07134	225.60494	1.55794	0.0319581	2.9273486	32661
(45485)	13.2	269.41014	108.32989	300.56182	12.58751	0.1466913	2.7078727	32662
(45486)	12.7	172.08299	348.26322	177.13151	12.76670	0.0994080	2.7518417	32662
(45487)	13.3	270.26226	93.99360	333.63947	12.51910	0.1572024	2.6135405	32662
(45488)	14.8	353.84478	182.86022	109.33278	4.88140	0.1279051	2.4240407	32663
(45489)	13.6	316.62354	73.64383	298.01091	14.60020	0.1888902	2.5816161	32663
(45490)	14.6	195.05837	222.45683	217.76565	21.19086	0.0558874	2.7016530	32663
(45491)	14.2	160.43543	319.94013	172.22759	14.27892	0.0946295	2.5858552	32664
(45492)	14.6	212.06270	236.56101	178.93656	14.87792	0.1214160	2.6450392	32664
(45493)	13.5	123.51007	292.99107	217.00848	9.13232	0.1266853	3.0537500	32664
(45494)	14.1	104.88572	248.52027	295.35915	0.86372	0.0449063	3.0331096	32665
(45495)	13.7	300.38404	100.89148	280.98156	13.18182	0.1460432	2.6342132	32665
(45496)	13.5	155.29479	268.20973	264.32841	8.28330	0.1216294	2.8983556	32665
(45497)	13.4	125.04415	160.07866	1.93989	14.26446	0.1186214	2.5591309	32666
(45498)	14.8	191.49046	172.28322	285.74357	0.90894	0.0725152	2.6981849	32666
(45499)	14.1	358.92875	13.86862	302.92525	13.70016	0.1189152	2.6077694	32666
(45500)	14.5	148.99844	63.59845	74.45945	2.58167	0.1314052	3.1163879	32667
(45501)	14.0	217.10988	338.57519	115.86992	5.63745	0.0707566	2.7988457	32667
(45502)	12.0	45.84524	156.77046	85.12525	16.61889	0.0504637	3.1557671	32667
(45503)	13.9	176.52328	27.90662	90.62570	13.33636	0.0817831	3.0323057	32668
(45504)	13.1	221.34813	110.80002	321.79433	14.50566	0.1207159	2.6178501	32668
(45505)	15.6	269.82855	302.81870	101.78187	2.79872	0.2068451	2.4204133	32669
(45506)	14.9	282.60389	294.52187	83.55225	5.41565	0.1705666	2.5568968	32669
(45507)	14.9	251.31436	317.87868	89.89396	3.53038	0.1114695	2.6613268	32669
(45508)	14.9	207.00228	349.79569	95.07422	3.36598	0.0301958	2.8359609	32669
(45509)	14.8	326.70227	204.74262	140.83922	11.76530	0.0968420	2.7004468	32670
(45510)	13.9	29.34772	327.87130	304.60960	9.68941	0.0763631	2.9668643	32670
(45511)	13.8	61.38169	17.64515	201.20384	1.18833	0.0742716	3.3050005	32670
(45512)	14.3	172.10101	161.33719	311.77707	8.90057	0.0440528	3.0743552	32671
(45513)	13.3	214.19805	305.25946	93.74669	28.26122	0.1871177	3.1603062	32671
(45514)	14.8	316.41490	5.73426	344.03775	14.26405	0.0655318	2.6434646	32671
(45515)	13.1	34.83975	135.94931	108.54157	2.22141	0.1326313	3.1881006	32672
(45516)	14.7	290.36228	253.12808	136.72879	13.97916	0.1055534	2.5578659	32672
(45517)	15.0	196.83919	282.79593	166.66793	2.34447	0.0437416	3.0148377	32672
(45518)	14.3	58.28047	128.65124	107.65956	3.18312	0.0374717	2.9934454	32673
(45519)	14.1	4.47908	156.55340	128.28348	18.03798	0.0875233	3.0914791	32673
(45520)	14.7	26.35459	331.45499	312.53654	11.47612	0.1483582	2.6089425	32673
(45521)	14.8	343.04748	153.10787	140.97959	1.52094	0.1159241	3.1330509	32673
(45522)	14.6	0.00855	243.73782	39.89045	2.58725	0.0255844	2.9257475	32674
(45523)	14.3	347.21230	345.19645	303.33721	0.63164	0.1612391	3.2039368	32674
(45524)	13.7	277.86999	274.05508	124.05430	12.98181	0.0028725	2.9438569	32674
(45525)	15.1	287.23676	192.28385	221.04806	2.28614	0.2157416	2.2321829	32675
(45526)	15.6	287.80510	219.45579	162.05103	2.28504	0.2124263	2.4084355	32675
(45527)	13.6	14.59285	24.43729	278.14429	16.62254	0.1706956	2.5285120	32675
(45528)	14.3	229.85849	268.20444	125.44485	10.71937	0.1250822	2.9831842	32676
(45529)	13.3	11.52339	23.10776	282.51665	12.72853	0.1620461	2.6295459	32676
(45530)	13.3	342.68073	138.32864	163.72959	10.05553	0.0698690	2.9972517	32676

(45531)	14.2	298.87458	91.38606	273.84744	6.65055	0.0770348	2.7182825	32677
(45532)	15.7	319.62065	209.41825	163.32661	6.46610	0.1447675	2.4434934	32677
(45533)	14.2	339.54982	40.57456	297.33549	11.51735	0.3090429	2.5960595	32677
(45534)	14.3	280.42629	219.18184	158.63279	9.82853	0.1711497	2.7586187	32677
(45535)	14.2	13.21593	119.04619	168.97280	8.74980	0.0432197	2.9694188	32678
(45536)	13.1	331.62756	136.41462	160.65564	10.29392	0.0416516	3.4947874	32678
(45537)	13.8	253.23333	244.36829	153.51548	11.98133	0.0698473	3.0039838	32678
(45538)	14.3	296.52694	204.76876	154.41077	11.57650	0.1306082	2.9642200	32679
(45539)	14.7	325.07481	107.94401	223.97342	1.24517	0.0733212	2.8565339	32679
(45540)	14.3	294.66035	247.93737	148.52339	14.25002	0.1608898	2.5799233	32679
(45541)	14.4	302.80729	75.75510	280.31066	9.10651	0.3021755	2.6357863	32680
(45542)	13.3	108.59645	275.08533	325.23665	12.11417	0.1424233	2.6999035	32680
(45543)	13.4	341.43653	177.91913	162.18782	14.51120	0.1868234	2.8617008	32680
(45544)	13.4	175.06598	187.42980	289.16665	2.79246	0.1468087	3.1376292	32681
(45545)	13.7	24.53932	136.06675	132.40256	3.81229	0.1385382	3.1133428	32681
(45546)	14.4	296.06798	213.14996	147.12219	16.53122	0.0914728	3.0476459	32681
(45547)	14.6	293.00942	82.55381	298.30915	7.71915	0.1455971	2.6280937	32682
(45548)	14.4	347.46663	49.28097	286.36535	9.76021	0.0572159	2.6737882	32682
(45549)	14.2	130.17581	332.09392	225.11194	3.60340	0.0490053	2.7348801	32682
(45550)	13.9	64.58443	33.85477	198.93033	6.77568	0.1236079	3.1845998	32683
(45551)	14.1	287.48634	204.62759	179.89590	10.12649	0.3115066	2.5305031	32683
(45552)	13.2	283.88911	80.59673	284.41771	8.46857	0.1480759	3.0772116	32683
(45553)	14.2	321.02604	65.22426	302.81074	13.14671	0.2209327	2.5791217	32683
(45554)	13.8	232.60959	270.17846	159.88556	15.25136	0.1280610	2.8450920	32684
(45555)	15.1	298.06230	221.14983	177.46699	8.82551	0.2448209	2.4267458	32684
(45556)	13.5	166.95171	257.75366	225.87696	4.39677	0.1036627	3.1897123	32684
(45557)	14.0	337.16688	167.06499	160.54184	7.42263	0.0331955	3.0481311	32685
(45558)	13.5	327.95649	20.78507	323.59778	9.36839	0.1022439	2.9720573	32685
(45559)	13.7	224.73153	262.87768	160.50967	13.89144	0.0979906	3.1701607	32685
(45560)	14.3	328.39684	60.41322	304.13327	12.16419	0.2044697	2.5391808	32686
(45561)	14.3	165.45235	339.07646	147.47397	2.06609	0.0420192	3.0863031	32686
(45562)	13.7	344.36189	23.71964	326.54084	12.44923	0.1774295	2.5510319	32686
(45563)	13.7	337.53052	121.44928	189.15021	0.84336	0.1346096	3.1864808	32687
(45564)	14.1	279.74192	248.19065	127.17936	10.99908	0.1190486	3.0572074	32687
(45565)	15.6	295.36281	334.30949	56.18524	4.04505	0.1734246	2.4520567	32687
(45566)	12.5	184.43564	336.27482	153.38804	25.37852	0.1376646	3.1724540	32688
(45567)	13.5	208.62205	169.15636	277.46214	7.72409	0.0366705	3.1222309	32688
(45568)	13.5	242.83541	229.49125	179.98445	16.44163	0.1317244	3.1311452	32688
(45569)	13.3	298.72756	176.03511	199.91416	9.67958	0.0545350	3.0238219	32689
(45570)	13.8	246.02464	151.37037	307.73932	4.97625	0.0298597	2.6815704	32689
(45571)	14.5	4.46963	90.38724	240.78809	11.97742	0.2310390	2.5396814	32689
(45572)	12.9	51.19934	48.96930	213.30850	9.85289	0.0073766	3.0031010	32690
(45573)	15.1	327.67673	88.84422	280.03470	6.41712	0.1500852	2.3877208	32690
(45574)	13.8	328.09204	20.86719	318.81797	11.64152	0.2552387	2.6938494	32690
(45575)	14.9	294.75729	232.76637	169.56873	23.46119	0.2765697	2.3928651	32691
(45576)	13.5	244.03719	35.18053	20.74110	9.76586	0.0384469	2.9712008	32691
(45577)	14.7	224.61062	357.38554	77.44009	2.32263	0.1118349	2.9747575	32691
(45578)	14.1	49.94598	100.00159	144.43585	6.76778	0.0900626	3.2239235	32692
(45579)	13.9	251.96163	244.30053	158.33235	9.79990	0.0748417	3.1755894	32692
(45580)	14.1	199.55795	123.25319	344.60749	3.82549	0.0182785	2.7841520	32692
(45581)	14.7	226.86279	114.92783	329.14433	8.81307	0.1283323	2.7513912	32693
(45582)	14.3	316.03211	14.84437	343.48237	3.06978	0.1076076	2.7972930	32693
(45583)	13.2	272.23738	254.11923	138.30705	8.36150	0.2304584	2.7812101	32693
(45584)	13.9	207.25741	307.36457	152.48003	22.54053	0.0181786	3.1244319	32694
(45585)	13.1	345.41481	176.29901	150.49246	23.26468	0.0828980	3.1825224	32694
(45586)	13.4	340.12250	170.88309	170.26659	2.12543	0.0817994	2.8900793	32694
(45587)	13.8	158.90548	353.35710	145.16682	1.09279	0.1323415	3.1782302	32695
(45588)	14.2	270.93383	267.77055	154.56788	7.18491	0.1186965	2.6704099	32695
(45589)	13.7	254.80575	20.68000	21.87240	0.63475	0.1457836	3.2077719	32695
(45590)	13.1	225.02073	275.66081	152.54486	10.07051	0.0633764	3.1782194	32696
(45591)	12.5	53.03266	74.30517	171.68640	18.93692	0.0472437	3.1491696	32696
(45592)	13.3	123.96403	295.70760	251.34384	8.90568	0.0383660	2.9896097	32697
(45593)	13.5	197.78190	257.77683	196.83940	10.30652	0.1004666	3.0583415	32697
(45594)	15.1	279.14604	260.01883	134.33977	12.02261	0.1987835	2.6033621	32698
(45595)	14.3	246.34752	308.15043	92.32877	3.17762	0.1021986	3.0115076	32698
(45596)	14.5	306.66577	108.12953	273.10517	8.58771	0.1383774	2.6256291	32698
(45597)	13.9	285.30149	158.92407	196.02810	5.39179	0.2359839	3.0439918	32698
(45598)	14.7	359.39202	340.02488	329.70554	1.57878	0.1634115	2.6724513	32699
(45599)	13.8	351.13535	165.27693	146.30248	9.11486	0.0329197	3.1314462	32699
(45600)	13.3	31.11024	308.24072	353.50371	11.41192	0.1605021	2.7087202	32699
(45601)	13.6	290.84707	244.23281	123.17877	10.31113	0.0808968	2.9638792	32700
(45602)	12.8	53.67731	294.08506	330.74458	21.18656	0.0440110	3.2082796	32700
(45603)	14.2	340.20283	303.16771	21.51680	2.60856	0.0976090	2.9385588	32700
(45604)	14.0	356.70996	344.14756	332.67639	13.63862	0.0955163	2.8395629	32701
(45605)	13.6	8.52142	311.38780	340.52000	5.18262	0.1198536	3.1550999	32701
(45606)	14.0	358.09268	153.13782	146.28369	5.77627	0.1262345	3.2120820	32701
(45607)	13.9	354.99079	149.94406	152.13566	16.50849	0.1000285	3.2178629	32702
(45608)	14.1	111.04186	155.79653	39.13152	0.56199	0.0408550	3.0664663	32702
(45609)	14.3	2.97116	145.30940	169.22271	9.34116	0.0968857	2.9634527	32702
(45610)	14.6	311.90930	11.11407	353.26055	1.50500	0.1062550	2.8576448	32702
(45611)	13.9	273.88670	189.60502	189.99675	1.17722	0.0765421	3.1948642	32703
(45612)	14.5	288.96996	168.87111	213.53222	1.36891	0.1061197	2.9380941	32703
(45613)	13.8	255.03942	106.89098	306.06865	0.86670	0.0923298	2.9439968	32703
(45614)	13.7	276.77591	107.86452	278.68774	1.13735	0.1088799	3.0468033	32704
(45615)	15.4	266.35708	236.08063	174.19512	9.24175	0.1557933	2.7723327	32704
(45616)	14.4	235.89823	79.27833	353.47202	2.01683	0.0626793	2.9556692	32704
(45617)	14.2	340.83125	171.40261	165.57966	9.97051	0.1401850	3.0720547	32705
(45618)	13.4	268.53531	34.22656	355.32785	9.78825	0.0895271	3.2278151	32705
(45619)	14.2	221.78391	279.02477	160.83662	3.02806	0.0652430	3.1420541	32705
(45620)	13.9	201.23258	324.62540	126.19298	12.34527	0.0560271	2.9943317	32706
(45621)	13.8	271.70631	257.05245	118.78682	12.25431	0.0899215	3.0748058	32706
(45622)	14.4	278.76588	262.30769	123.90764	12.80462	0.1798899	2.7428751	32706
(45623)	14.1	56.78831	104.65211	132.24497	10.15615	0.0571475	3.1732124	32706
(45624)	14.3	340.66057	233.90650	88.66930	2.85817	0.0890848	2.9737935	32707
(45625)	13.4	317.89561	353.20101	349.45778	9.74726	0.1028533	2.9959497	32707
(45626)	14.1	351.02604	200.08463	100.38507	2.82755	0.0327454	3.1967221	32707
(45627)	14.0	283.03166	254.60242	136.20046	13.84618	0.1982704	2.6658319	32708
(45628)	14.7	265.17784	21.20576	23.84011	1.90248	0.0811613	2.8372136	32708
(45629)	13.1	301.07568	235.75812	116.00468	10.04812	0.0863435	3.1731918	32708
(45630)	13.7	191.88712	336.35437	129.48420	11.61897	0.0268087	3.1566982	32709
(45631)	14.2	245.63061	259.45631	149.71471	20.95844	0.1082420	3.1754441	32709
(45632)	13.1	300.39418	224.31784	139.75270	12.94599	0.0928311	3.1853614	32709
(45633)	14.9	300.87219	249.96733	116.98094	3.12191	0.0975865	2.9095959	32709
(45634)	14.5	335.96571	215.89112	128.73137	9.75972	0.1854330	2.7863829	32710

(45635)	13.4	345.83172	211.70068	99.30516	11.18564	0.0314948	3.0679314	32710
(45636)	14.0	271.58520	274.04952	104.37154	11.43911	0.1255103	3.0053438	32710
(45637)	13.8	355.62112	213.29376	84.45940	9.47395	0.0968684	3.3766394	32711
(45638)	13.8	298.41749	147.46704	227.13754	12.14180	0.2061566	2.7148743	32711
(45639)	13.4	137.11296	325.75237	192.97385	24.18981	0.0736054	3.1459433	32711
(45640)	14.4	245.63915	199.80984	211.27897	12.13915	0.1467522	2.9995704	32712
(45641)	15.1	269.68612	198.83431	228.20029	12.48388	0.1195404	2.5974792	32712
(45642)	13.2	279.54294	286.28493	103.22953	12.08350	0.1426018	3.0460722	32712
(45643)	13.0	202.94739	117.23115	345.23916	4.62956	0.0829640	3.2037904	32712
(45644)	13.7	216.91174	294.51249	156.38658	5.65356	0.1360911	3.1013628	32713
(45645)	13.7	273.04428	33.48130	1.69791	1.21004	0.2007987	3.1101545	32713
(45646)	13.5	351.12511	27.46990	326.43986	3.63214	0.2228103	2.9431045	32713
(45647)	14.1	198.06833	111.61314	353.26816	2.69688	0.1526902	3.2314560	32714
(45648)	13.5	202.03140	287.96449	185.60971	6.45644	0.1065375	3.1399417	32714
(45649)	13.7	306.37916	239.76881	133.65131	11.88397	0.1266144	3.0382575	32715
(45650)	13.8	309.65171	227.39799	138.99458	14.71206	0.1558806	2.6951140	32715
(45651)	14.7	294.66722	41.98475	354.18945	3.44583	0.2623681	2.7141269	32715
(45652)	14.2	267.35012	127.61133	268.38741	2.02119	0.0535007	3.3471591	32715
(45653)	13.2	341.67079	150.58615	169.70340	10.13713	0.0605881	3.4872396	32716
(45654)	15.9	272.96350	121.82028	267.93089	1.07763	0.0572784	2.8848993	32716
(45655)	15.0	308.57146	220.23700	154.99253	14.03007	0.1963768	2.5470426	32716
(45656)	13.8	30.00675	279.14950	62.56954	7.51732	0.0833673	2.7370027	32716
(45657)	13.8	294.72924	266.49130	117.41624	8.97841	0.1972720	2.6966560	32717
(45658)	13.4	267.46026	33.90950	358.69821	10.17206	0.1095114	3.0095113	32717
(45659)	13.5	288.81325	235.93256	148.88944	11.07870	0.1214395	2.9746795	32717
(45660)	13.3	264.70581	176.99831	212.29843	8.51535	0.0636442	3.1299424	32718
(45661)	14.0	347.46057	84.87782	265.15938	12.21402	0.2327864	2.5482102	32718
(45662)	13.7	75.24072	15.25960	210.72615	11.13203	0.0610822	3.1086713	32718
(45663)	12.7	132.98070	256.28433	277.12916	9.64423	0.0731713	3.0565229	32719
(45664)	13.4	350.79278	69.89083	257.91464	11.84148	0.1351574	2.9241297	32719
(45665)	12.7	156.16129	280.07842	238.12272	8.78004	0.0365802	2.9989514	32719
(45666)	13.5	234.09873	239.56716	194.82936	16.52351	0.0920846	3.1254338	32720
(45667)	13.2	96.88549	318.29035	260.69282	8.15595	0.0496157	3.1650859	32720
(45668)	13.6	287.16984	80.31472	329.48805	13.57137	0.1916264	2.7152285	32720
(45669)	13.5	162.21132	303.28675	212.57135	12.98177	0.1472968	3.2192004	32721
(45670)	12.9	184.02954	17.61092	94.24616	18.65863	0.1677586	3.1168319	32721
(45671)	12.6	240.86147	201.89029	255.56547	9.38842	0.0711484	2.9993311	32721
(45672)	12.7	324.85540	74.24888	267.80916	14.62694	0.1874252	3.0017858	32722
(45673)	14.7	352.56607	148.76162	150.26697	1.78872	0.1698048	3.1835593	32722
(45674)	13.8	312.56334	236.89477	106.96831	3.63937	0.0918069	3.0210444	32722
(45675)	13.3	282.59406	102.80197	297.60913	12.92130	0.2120305	2.6816564	32722
(45676)	14.3	273.83716	50.56739	359.22233	7.03403	0.2318080	2.7214941	32723
(45677)	13.5	144.41459	14.50099	134.20782	22.38309	0.0359944	3.1656762	32723
(45678)	13.0	227.24642	301.12220	150.84706	13.79159	0.1034622	2.9177323	32723
(45679)	14.3	221.16251	353.30588	90.65350	2.57461	0.0613880	3.1772309	32724
(45680)	13.2	244.32587	261.67749	152.68136	7.22955	0.0598173	3.2257956	32724
(45681)	13.6	210.24873	287.91568	166.35940	13.15874	0.0515067	3.2052044	32724
(45682)	13.0	228.87877	70.32695	9.75834	10.85201	0.1018305	3.0585608	32725
(45683)	14.1	34.86906	279.10691	63.04084	6.38167	0.2558742	2.6414488	32725
(45684)	13.1	51.78600	323.06962	282.84958	13.19644	0.0548209	3.2340199	32725
(45685)	13.6	48.53453	177.51886	132.50283	18.90472	0.2583734	3.1098030	32725
(45686)	13.8	319.73716	169.03387	184.37132	9.68462	0.0667090	3.0038993	32726
(45687)	13.4	263.34580	200.68290	176.67533	16.32534	0.1140769	3.1754745	32726
(45688)	14.4	294.89625	150.93625	239.37485	10.82900	0.1854221	2.5893499	32727
(45689)	13.3	187.59852	225.51378	251.84815	9.66589	0.0908321	2.9897699	32727
(45690)	13.9	299.75917	115.68050	279.31466	12.16994	0.1861527	2.6115970	32727
(45691)	13.8	329.72384	176.87192	184.83834	9.49809	0.0796453	3.1736844	32728
(45692)	13.9	310.77094	220.86355	185.35166	10.69229	0.1585923	2.6768259	32728
(45693)	13.6	248.68268	326.77442	107.29273	17.23405	0.2575434	2.8677312	32728
(45694)	13.7	315.59976	105.44951	271.48952	21.01884	0.3029527	2.4464707	32729
(45695)	14.5	318.31548	210.29006	155.76959	2.36554	0.1117108	2.9410732	32729
(45696)	13.8	131.44250	73.64362	96.50876	10.67206	0.0356901	3.0767518	32729
(45697)	14.9	333.72092	139.83145	192.12203	1.07166	0.1247150	2.8358652	32729
(45698)	15.7	277.92851	281.57115	127.70578	4.74411	0.2913476	2.5412425	32730
(45699)	14.4	277.16422	176.59540	220.76630	10.96962	0.1241596	2.6324439	32730
(45700)	14.6	308.46642	96.81271	289.01886	11.46607	0.1844369	2.5852011	32730
(45701)	13.3	205.75851	2.57852	85.81879	12.68193	0.0843582	3.0698204	32730
(45702)	13.7	79.74887	144.84258	190.34652	23.58902	0.1877548	2.4073774	32731
(45703)	14.7	272.09406	298.26447	116.61649	9.18871	0.3293377	2.6956477	32731
(45704)	14.1	282.82379	279.76370	133.01718	13.26910	0.1596164	2.7334686	32732
(45705)	13.2	88.54653	213.73622	68.15683	8.86581	0.1783626	2.6478656	32732
(45706)	13.1	305.47280	278.33166	90.85978	11.83700	0.1525918	3.0707149	32732
(45707)	13.2	247.96674	330.37451	86.01242	13.44687	0.1333404	3.1418322	32733
(45708)	14.2	307.34772	230.82002	170.99775	7.63296	0.1472464	2.7659624	32733
(45709)	13.4	197.68116	303.85739	172.88640	12.66267	0.0180712	3.3741650	32733
(45710)	13.6	51.35264	287.04396	51.36727	9.43756	0.1842630	2.6100370	32734
(45711)	14.6	251.82163	58.82312	42.54793	6.22878	0.0607019	2.6318608	32734
(45712)	13.6	283.26900	254.23236	142.31836	9.97037	0.0632662	3.1014786	32734
(45713)	15.2	291.14476	298.14374	89.35621	0.14152	0.1555879	3.2335168	32735
(45714)	14.2	339.71634	187.88624	159.05374	10.65579	0.1053040	3.0100785	32735
(45715)	15.0	334.85218	41.05904	329.59205	4.58219	0.3107411	2.6009845	32735
(45716)	14.1	240.02377	43.24450	10.87742	0.44016	0.1338874	3.2145861	32735
(45717)	15.0	267.14912	204.71491	196.79879	4.97277	0.1548151	3.1328963	32736
(45718)	14.4	265.88486	131.15705	278.69703	0.31526	0.2390769	3.0669800	32736
(45719)	14.0	213.82299	58.72549	41.82594	3.85633	0.1764093	3.0737789	32736
(45720)	14.1	269.84296	218.50777	197.69308	9.05930	0.1224626	3.1034951	32737
(45721)	13.5	289.64399	325.98759	47.84944	1.04466	0.0709789	3.8121280	32737
(45722)	13.7	89.15836	230.38884	37.69918	9.38570	0.0634907	2.9683680	32737
(45723)	14.1	243.08057	233.23699	212.17835	11.04689	0.1389616	3.1472989	32738
(45724)	13.2	28.19343	293.57747	43.05102	10.97083	0.1044885	2.9878215	32738
(45725)	14.7	78.84151	279.86844	50.43870	4.29740	0.1219804	2.5956851	32738
(45726)	13.5	252.21891	252.98647	153.24762	9.52880	0.1112288	3.1309400	32739
(45727)	14.3	338.79561	209.09021	127.41619	10.34177	0.0827549	3.1637687	32739
(45728)	13.4	99.35720	53.66898	188.25850	24.95789	0.3029793	3.1174428	32739
(45729)	13.6	293.75999	248.67104	170.06333	9.18994	0.1507292	2.8024919	32739
(45730)	13.3	90.03189	36.72397	222.73845	10.36435	0.0402079	3.1206843	32740
(45731)	13.6	118.98232	204.88652	74.63765	13.06293	0.1781199	2.7283237	32740
(45732)	13.4	79.29575	178.60389	113.20560	11.56947	0.0971293	3.0139127	32740
(45733)	13.9	319.04425	213.15238	169.59818	10.68521	0.0818475	3.0942688	32741
(45734)	13.8	308.84229	221.37182	166.86403	6.33791	0.1505401	3.1748577	32741
(45735)	12.8	30.75748	62.02633	245.75131	13.89683	0.1884930	3.1293779	32741
(45736)	14.3	293.88586	140.79394	256.85662	11.79271	0.2174748	2.5796175	32742
(45737)	12.9	352.70548	129.44261	181.67741	10.20766	0.0528109	3.1930177	32742
(45738)	13.5	229.47464	279.20828	197.64462	13.77666	0.1091472	3.2129324	32742

(45739)	12.5	311.02643	339.03348	37.45387	7.35650	0.3169404	3.9998568	32743
(45740)	13.8	34.79889	145.76764	193.23390	13.07929	0.1097523	2.9752868	32743
(45741)	14.4	92.64863	266.95342	356.98250	1.75012	0.0768657	3.0809306	32743
(45742)	14.5	105.10531	271.37282	61.14677	9.96383	0.2733420	2.4074285	32744
(45743)	13.4	357.30188	322.44245	58.10295	11.02038	0.0833192	2.9892815	32744
(45744)	13.7	113.15531	223.44286	58.44751	10.17035	0.1413557	2.7570708	32744
(45745)	13.7	227.11506	230.18950	257.40754	11.10325	0.2189222	2.5721168	32745
(45746)	13.8	105.83867	194.93500	75.96887	6.46962	0.0795033	3.0137071	32745
(45747)	14.6	58.24849	107.61317	236.99388	9.45711	0.0386987	2.6547295	32745
(45748)	15.5	142.80946	203.73669	84.11223	3.13600	0.0878808	2.5170393	32746
(45749)	13.5	208.87432	120.34447	343.41815	16.26758	0.1937411	3.1140486	32746
(45750)	13.8	72.34253	132.14883	188.03773	8.72801	0.1523302	3.0454412	32746
(45751)	13.8	117.97230	91.77555	173.45715	11.42105	0.1972407	3.0358409	32747
(45752)	13.6	3.60536	68.85716	269.48847	8.74766	0.1164300	3.0043369	32747
(45753)	14.4	136.93887	42.38405	191.51001	12.91279	0.0247980	3.0079371	32748
(45754)	14.8	30.11952	320.76114	65.65375	4.32680	0.1437044	2.5805410	32748
(45755)	13.9	60.68230	174.28194	160.30843	2.05971	0.1028169	2.9104956	32748
(45756)	14.6	214.30543	120.43271	64.92482	8.24371	0.0860966	2.6790345	32749
(45757)	14.6	77.61702	320.11646	25.12145	1.70269	0.0804784	2.6348193	32749
(45758)	13.8	73.30204	53.36292	259.43616	4.71438	0.1331674	3.1980850	32749
(45759)	14.2	87.30666	127.21985	185.17161	3.12158	0.0447640	2.8054819	32750
(45760)	14.9	143.16433	240.26087	92.96586	8.96324	0.1748360	2.2783133	32750
(45761)	14.7	32.80153	243.64256	126.00076	3.78449	0.1065245	2.7449949	32751
(45762)	15.0	73.51953	241.09173	114.44633	6.57738	0.1468080	2.5577710	32751
(45763)	14.5	128.40369	174.57197	99.87409	4.86145	0.0366500	2.7165830	32751
(45764)	15.1	126.32964	65.07153	277.62114	6.70919	0.3145502	2.4192849	32752
(45765)	13.1	101.44017	127.49296	188.86874	8.67882	0.1540231	2.7953387	32752
(45766)	13.6	207.38481	114.30377	55.87337	10.11586	0.0290641	3.0550414	32753
(45767)	13.6	100.87114	94.36304	225.84871	11.66068	0.2010884	3.0790767	32753
(45768)	14.5	188.03636	79.68291	249.88780	3.70135	0.1702465	2.2162629	32754
(45769)	13.8	72.91924	206.46299	132.60430	13.15204	0.1544053	2.7474755	32754
(45770)	14.3	158.74790	114.94294	186.73574	1.45096	0.2108521	2.5321242	32754
(45771)	14.2	209.55695	328.05101	334.15806	6.77810	0.1403456	2.3206673	32755
(45772)	15.2	187.50515	223.80184	104.08924	5.75535	0.1650403	2.1911308	32755
(45773)	14.0	165.77664	47.65868	285.45121	9.36798	0.1357424	2.4093001	32756
(45774)	13.4	88.04857	236.12090	95.48802	13.43170	0.1810815	2.7222759	32756
(45775)	14.6	178.17031	151.93152	115.17740	4.77766	0.1569306	2.6603895	32757
(45776)	15.0	157.52047	329.64179	285.88266	0.98623	0.1820464	3.0223642	32757
(45777)	14.2	167.63169	359.70740	297.70223	12.37341	0.1444833	2.6492397	32757
(45778)	14.9	138.64669	57.11777	290.85247	6.86732	0.1075571	2.5326133	32757
(45779)	15.5	212.17423	13.19383	234.60902	3.91145	0.1551999	2.4268907	32758
(45780)	14.9	169.11583	355.24305	281.08584	2.76039	0.0354022	2.6547825	32758
(45781)	13.9	246.03240	251.97116	291.94429	5.26445	0.0499528	2.8055596	32759
(45782)	15.4	125.26630	73.90570	287.05359	2.73627	0.1024677	2.3920762	32759
(45783)	14.5	142.12157	166.11108	186.11386	2.36948	0.2096678	2.4132774	32759
(45784)	14.4	148.00045	303.08345	22.71757	3.45327	0.2007032	2.5591899	32760
(45785)	15.9	175.21696	136.27309	178.28275	3.81636	0.1353003	2.2985851	32760
(45786)	14.8	180.25649	96.40444	168.97605	9.23796	0.1087006	2.7614086	32761
(45787)	13.7	85.37672	54.06587	344.31846	6.10840	0.1210038	2.4330584	32761
(45788)	14.9	139.46570	235.07408	108.29882	6.21338	0.1340347	2.3805801	32761
(45789)	14.5	140.48212	193.86572	159.75503	3.09198	0.1956696	2.4367733	32762
(45790)	14.9	187.47747	66.22727	253.54496	5.98451	0.1353708	2.2875854	32762
(45791)	14.6	195.59536	350.94927	318.65974	9.97687	0.2340733	2.3239693	32763
(45792)	15.5	188.29300	12.17671	307.36518	6.13648	0.1301725	2.3911111	32763
(45793)	15.4	203.93686	203.86475	119.74841	2.90949	0.1910846	2.2679249	32764
(45794)	15.0	177.23366	239.38216	89.65900	2.28738	0.2015035	2.3939968	32764
(45795)	14.9	149.36864	190.35304	175.85466	6.53031	0.1530808	2.4243674	32765
(45796)	14.5	128.94018	326.12653	307.43721	1.28386	0.2212690	3.2438867	32765
(45797)	15.6	87.85449	100.73687	332.66872	6.88318	0.0973901	2.2440202	32765
(45798)	14.9	210.05480	266.70026	323.40819	8.39537	0.0806275	2.7753769	32766
(45799)	15.0	172.94648	341.46697	340.69400	5.22351	0.0243133	2.3545637	32766
(45800)	13.6	121.30944	305.91755	1.22876	13.60731	0.2610851	3.1891789	32766
(45801)	14.8	213.07343	193.04077	84.42488	7.30146	0.1293107	2.4221252	32767
(45802)	8.0	97.50849	35.57585	173.47116	1.17603	0.0099699	43.2281710	32767
(45803)	15.1	178.99986	312.83770	343.72596	10.96348	0.1790935	2.5444409	32767
(45804)	15.7	167.19837	182.05812	152.74951	6.65457	0.1238901	2.3395641	32768
(45805)	15.9	350.66381	3.16764	150.03858	5.25823	0.0517106	2.3448478	32768
(45806)	15.2	188.24219	336.38224	340.98480	5.41597	0.1530498	2.3366995	32768
(45807)	15.2	163.86138	28.22344	333.86013	6.23722	0.1115116	2.2663659	32769
(45808)	16.4	349.19776	32.19326	151.59386	2.01086	0.0307107	2.1929990	32769
(45809)	15.8	214.05582	331.95148	349.33495	5.30134	0.0203518	2.1662860	32769
(45810)	14.6	194.52835	239.96429	67.46909	6.46158	0.1048527	2.3222909	32770
(45811)	15.6	6.54455	313.78539	160.67137	1.64231	0.0532931	2.5450378	32770
(45812)	15.9	135.18832	186.80728	183.11026	0.94359	0.0364521	2.3181252	32771
(45813)	15.7	232.35555	103.62006	147.38727	5.95705	0.1191227	2.4034733	32771
(45814)	16.0	258.31140	122.77831	130.42304	4.49061	0.1619418	2.2024221	32771
(45815)	14.7	192.06115	274.01056	41.10472	7.29645	0.1475367	2.3274062	32772
(45816)	15.6	222.60374	285.75236	322.84435	3.63670	0.1257928	2.5695859	32772
(45817)	15.2	256.74403	269.16153	331.60328	6.41406	0.0876515	2.4116051	32772
(45818)	15.6	313.38775	32.52795	178.79147	4.86632	0.0857360	2.2078915	32772
(45819)	15.4	160.09145	354.64842	17.95474	11.90138	0.0986592	2.2741838	32773
(45820)	15.0	190.56758	227.99383	71.31198	4.92850	0.1474715	2.5803575	32773
(45821)	15.8	278.46957	95.71453	144.14755	5.03562	0.0841349	2.2509635	32773
(45822)	12.1	49.60800	269.53398	92.08875	7.32482	0.1919650	5.2161257	32774
(45823)	15.4	256.74541	56.34478	198.25902	6.37470	0.1065497	2.3178551	32774
(45824)	15.3	211.21018	31.44828	269.62805	3.25345	0.1656183	2.3202052	32775
(45825)	14.8	137.37325	272.13553	188.62309	21.52827	0.1006513	1.9527863	32775
(45826)	15.4	222.22937	7.55582	310.81183	4.68035	0.0889551	2.1685404	32776
(45827)	15.1	175.63992	64.05310	267.39716	3.51172	0.1528618	2.3853691	32776
(45828)	15.2	259.82907	320.04774	265.84378	5.73428	0.0968890	2.4299656	32776
(45829)	14.0	166.25497	314.52826	320.94336	11.72578	0.2289537	2.9320414	32777
(45830)	14.6	171.81055	64.71389	7.57453	4.39277	0.1162076	2.1816971	32777
(45831)	15.2	190.38252	193.12168	71.51462	4.16046	0.1388829	2.6817883	32777
(45832)	15.7	233.48209	154.80090	107.46807	6.21027	0.1388496	2.2748492	32778
(45833)	15.5	279.71429	163.02514	65.81384	4.14999	0.0507263	2.2760778	32778
(45834)	16.0	272.81838	213.22251	14.40496	4.95142	0.1450507	2.3510119	32778
(45835)	15.8	200.14152	131.38549	215.02839	1.58864	0.0687969	2.1455076	32778
(45836)	15.8	173.88905	39.66001	316.56827	5.35143	0.0689948	2.2636701	32779
(45837)	14.3	207.50497	323.23158	326.14034	14.19400	0.1363685	2.4567040	32779
(45838)	14.4	170.36616	55.27354	283.32268	5.42621	0.1482050	2.4526345	32780
(45839)	15.3	207.67515	173.41374	238.07127	20.80213	0.0791197	1.9228161	32780
(45840)	14.4	113.48853	66.74489	339.47995	10.68284	0.3014011	2.6944283	32781
(45841)	15.7	265.74647	259.12370	330.93384	2.11456	0.1231230	2.4098593	32781
(45842)	15.3	203.71751	164.70066	157.48423	8.27422	0.2272201	2.3042539	32781

(45843)	16.4	261.23159	76.88016	189.09045	5.68211	0.0883797	2.2591356	32782
(45844)	14.7	190.50336	331.48803	290.21567	5.76866	0.1400552	2.6939829	32782
(45845)	15.0	204.65201	10.20831	301.65782	6.03833	0.1248680	2.3896475	32782
(45846)	15.6	228.67520	85.83717	188.40445	2.50258	0.1516747	2.4167992	32783
(45847)	16.1	223.41730	296.74610	346.56281	2.14406	0.1615101	2.3813709	32783
(45848)	15.2	126.77247	47.80583	338.17583	5.47526	0.1511520	2.2451162	32784
(45849)	15.6	291.41518	20.04586	216.54965	4.37359	0.0324762	2.2994298	32784
(45850)	12.2	332.72641	354.28826	130.30051	10.29442	0.0999000	3.9441472	32784
(45851)	15.4	21.67618	114.75143	44.87334	2.71262	0.1528675	2.4118720	32785
(45852)	14.7	6.20892	349.89051	177.39177	6.40529	0.1827853	2.6451313	32785
(45853)	16.4	297.24362	282.00546	308.34249	1.82822	0.1275706	2.2170540	32785
(45854)	15.8	266.51702	280.73412	350.84237	6.23574	0.0875306	2.2777333	32786
(45855)	15.3	221.36775	328.33169	334.35201	1.61575	0.2214399	2.3520645	32786
(45856)	13.0	17.24270	52.71785	45.95584	11.54987	0.1107952	2.9970891	32787
(45857)	13.2	262.09704	164.19538	69.65840	14.65383	0.1341231	2.6895890	32787
(45858)	14.7	24.76039	359.25552	175.65634	2.55172	0.1062725	2.4083351	32788
(45859)	14.7	288.05598	253.23755	1.97447	8.50103	0.2375387	2.4337175	32788
(45860)	14.9	186.43678	250.55842	114.23192	5.31138	0.1651863	2.3316745	32788
(45861)	14.6	191.86648	124.92875	173.46433	0.85526	0.0924413	3.2309854	32789
(45862)	14.2	76.94015	218.57975	179.71170	3.14050	0.1574468	3.9861497	32789
(45863)	15.4	140.32991	240.92639	220.06279	4.62227	0.0991997	2.2366163	32789
(45864)	13.6	95.70477	201.01208	275.75162	5.88042	0.1051672	2.3143443	32790
(45865)	14.8	221.33828	316.14867	8.80748	7.22776	0.1468267	2.3128662	32790
(45866)	13.9	154.13228	189.64904	170.48447	9.46333	0.1081400	2.9845110	32791
(45867)	15.6	249.09087	115.89285	191.89751	3.26006	0.2246363	2.1725990	32791
(45868)	14.6	191.99752	155.48406	138.00676	2.12572	0.0933361	3.2538917	32791
(45869)	15.3	92.18639	287.38311	210.26870	3.47382	0.0708432	2.2612255	32791
(45870)	14.8	190.29219	137.07189	283.27424	3.82755	0.1177768	2.1861310	32792
(45871)	13.9	51.65354	91.00163	101.16661	14.60125	0.0980552	2.5947187	32792
(45872)	15.8	251.46862	51.75414	269.83488	1.42973	0.1661376	2.1641785	32793
(45873)	15.4	357.80569	347.89690	297.50397	32.36784	0.0178947	1.7683753	32793
(45874)	15.3	223.71354	216.95655	169.02878	23.15419	0.0954176	1.9570745	32793
(45875)	12.2	64.63714	0.29891	98.93512	18.03262	0.1264176	3.1530783	32794
(45876)	14.4	39.33714	134.79485	97.69628	4.53425	0.1012871	2.1880259	32794
(45877)	12.8	86.90613	241.31617	289.30194	29.09223	0.2968978	2.6333879	32795
(45878)	14.4	251.77612	109.84884	296.83323	17.87692	0.0993269	1.9345394	32795
(45879)	16.1	80.37370	350.58713	161.18243	5.36701	0.0890055	2.2654798	32795
(45880)	14.9	99.25299	284.21666	281.60259	18.23033	0.0751862	1.9371532	32796
(45881)	14.6	62.89406	234.59056	314.46023	6.05008	0.1498011	2.5781223	32796
(45882)	14.7	89.26780	247.46892	287.91833	4.26111	0.1729492	2.3792808	32796
(45883)	14.9	49.22422	138.09495	70.56922	6.99832	0.1134972	2.2999910	32797
(45884)	16.0	53.63181	289.00958	251.09573	2.76142	0.1188565	2.2950653	32797
(45885)	14.1	153.25649	166.65504	272.57870	3.64420	0.0451611	2.2194390	32797
(45886)	15.3	43.15131	184.76182	10.95797	4.16578	0.0557473	2.2053095	32798
(45887)	14.4	218.64201	285.83213	63.49347	6.85041	0.2034933	2.3406769	32798
(45888)	15.8	20.28943	322.89625	252.67199	4.39619	0.1495137	2.3054822	32798
(45889)	14.8	154.76820	298.99133	66.82852	3.41042	0.0695731	2.9144794	32799
(45890)	15.2	115.16748	250.55668	260.22048	0.21699	0.0348223	2.1402524	32799
(45891)	15.5	82.21726	234.76548	280.02935	5.70080	0.0481175	2.3629607	32799
(45892)	13.8	55.87953	33.08946	168.45104	15.11162	0.0943711	2.4750464	32800
(45893)	14.4	242.50578	324.80675	358.38254	7.24100	0.1581313	2.3386320	32800
(45894)	14.4	181.95984	23.64691	315.82830	13.44313	0.1732763	2.5400202	32801
(45895)	15.3	332.40871	280.50950	346.86460	5.90192	0.1304851	2.1907207	32801
(45896)	14.7	337.62516	243.78867	19.30980	8.37861	0.0929137	2.2590879	32801
(45897)	14.6	241.79969	305.10364	26.20729	6.70792	0.1402811	2.3910903	32802
(45898)	14.1	174.38509	150.37114	336.91000	17.77984	0.0735993	1.9559506	32802
(45899)	14.5	146.14027	34.87066	90.48771	13.48875	0.1017373	2.3561610	32802
(45900)	14.3	247.83459	128.95205	293.50288	19.64182	0.0885323	1.9341196	32803
(45901)	13.2	63.10635	250.59915	312.97999	16.56020	0.1350394	2.5702131	32803
(45902)	15.7	126.04468	52.25864	41.80070	4.18371	0.1108613	2.5484554	32803
(45903)	14.5	119.42635	238.10471	270.59144	8.87443	0.1271192	2.3940743	32804
(45904)	13.0	139.95527	339.78430	117.04353	13.29114	0.1229473	2.6755035	32804
(45905)	15.5	76.63764	317.74668	247.78754	4.84343	0.1065746	2.1859956	32804
(45906)	13.0	48.27658	243.07257	344.98032	8.84374	0.2227685	2.9850064	32805
(45907)	14.8	96.29123	67.47909	123.01548	4.97829	0.0810984	2.3121543	32805
(45908)	15.3	67.61048	101.75496	87.90803	5.81363	0.1373337	2.3196005	32805
(45909)	15.5	79.04190	247.81725	300.07380	5.91164	0.0729501	2.1640721	32806
(45910)	15.6	45.06844	53.30119	123.82573	5.46830	0.1057816	2.8114967	32806
(45911)	15.6	30.71210	124.69854	118.46082	4.03241	0.1616469	2.2150654	32806
(45912)	16.6	33.76729	323.48543	267.72909	5.86063	0.2085209	2.3093262	32807
(45913)	15.0	133.51157	195.23678	297.91390	6.04038	0.1545387	2.4008117	32807
(45914)	14.2	50.65746	86.61026	133.57135	15.34640	0.1374622	2.5724899	32807
(45915)	15.0	134.73542	336.49626	170.19534	6.89200	0.1088222	2.2650951	32808
(45916)	15.2	194.60576	147.26613	292.11949	3.65955	0.0826916	2.2487360	32808
(45917)	15.8	26.47665	331.13147	265.02690	4.96802	0.1249349	2.3043878	32808
(45918)	15.9	61.93444	258.51505	300.95499	1.44735	0.1529472	2.4111771	32809
(45919)	14.7	74.82918	82.12956	123.24511	10.91707	0.0675718	2.4143924	32809
(45920)	13.2	46.09885	95.05371	136.08521	11.98699	0.1524523	2.6916435	32809
(45921)	14.0	327.07582	177.27080	125.85083	10.13599	0.1344455	2.7727381	32810
(45922)	15.2	135.15710	46.43755	100.10584	4.75712	0.0696179	2.3120219	32810
(45923)	14.5	121.35953	9.33850	57.50717	2.84776	0.0759951	3.0481359	32811
(45924)	15.6	182.87738	349.78590	74.48330	3.32618	0.0557392	2.2231217	32811
(45925)	15.7	34.39824	153.26409	71.25290	3.49432	0.1607588	2.4010240	32811
(45926)	15.8	18.31373	149.42284	92.54963	7.00003	0.0909159	2.2780643	32811
(45927)	15.7	12.35191	290.88497	316.90045	6.19680	0.1616403	2.3747874	32812
(45928)	15.3	22.10329	267.55851	331.03727	6.73419	0.1272368	2.4883158	32812
(45929)	14.7	38.85620	99.10050	120.33933	14.49394	0.1060072	2.5449383	32812
(45930)	15.6	59.18801	103.01732	106.21561	5.07007	0.0942922	2.3215339	32813
(45931)	15.0	87.36699	256.73104	283.20279	6.74884	0.0235267	2.2117073	32813
(45932)	13.2	71.45986	328.07218	119.22515	14.21344	0.1290769	2.6775042	32813
(45933)	14.9	47.28783	169.95496	35.75887	5.11170	0.2107939	2.6914376	32814
(45934)	15.8	183.01337	348.55186	51.02452	1.68290	0.1172522	2.5724566	32814
(45935)	13.9	81.25464	259.61666	300.17836	11.71078	0.1304497	2.6104303	32814
(45936)	13.4	347.37978	123.75107	149.80848	10.64861	0.0754210	3.0038956	32815
(45937)	13.5	22.69417	288.11345	327.95782	3.09566	0.2173587	3.0312843	32815
(45938)	15.6	171.06972	173.04864	261.43698	5.88219	0.0714939	2.3365866	32815
(45939)	15.5	81.52777	23.85936	137.96611	6.99339	0.0607594	2.3676869	32816
(45940)	15.2	37.85497	93.14310	134.84035	8.00584	0.0899960	2.2676113	32816
(45941)	14.4	7.66400	352.38600	258.57520	6.41655	0.1589038	2.5353326	32816
(45942)	14.9	11.68071	127.55142	108.59468	10.08832	0.0828507	2.4627994	32817
(45943)	15.5	101.49209	238.73328	298.14355	5.37753	0.1394444	2.2366725	32817
(45944)	14.3	72.22012	76.45308	125.77211	11.36620	0.2064840	2.4426902	32817
(45945)	15.4	108.43957	173.80663	356.79735	2.83978	0.1601926	2.3411920	32818
(45946)	14.9	122.64375	187.85971	312.80674	7.48060	0.1284995	2.5751905	32818

(45947)	15.3	180.10509	139.74568	325.61394	3.81405	0.1247874	2.1923361	32818
(45948)	14.4	94.68671	33.92784	153.02351	11.97436	0.0895533	2.5152015	32819
(45949)	14.6	8.49666	116.84298	129.31109	14.94377	0.0646882	2.6099124	32819
(45950)	15.1	232.23109	297.96721	138.34443	23.90839	0.1060231	1.9599874	32820
(45951)	15.4	6.32312	169.08675	67.23732	8.18300	0.1354385	2.2848219	32820
(45952)	14.6	128.46522	147.52343	315.33960	5.94024	0.0698951	2.3821133	32820
(45953)	15.2	96.46067	114.33530	54.32133	4.74237	0.2076324	2.3261150	32820
(45954)	14.4	173.78232	213.75541	224.76351	22.24811	0.1378676	2.3506601	32821
(45955)	15.1	4.83953	158.61855	85.67865	6.20621	0.1615639	2.5643557	32821
(45956)	14.5	346.89979	331.03747	312.80662	10.09868	0.2398425	2.4436152	32821
(45957)	15.1	102.02010	88.35709	72.31646	3.15505	0.1426223	2.4350757	32821
(45958)	14.5	349.89776	158.17505	129.99214	24.58559	0.1346472	2.3191113	32822
(45959)	16.1	14.47642	324.20044	289.64210	3.97211	0.1459344	2.2359280	32822
(45960)	15.2	351.83373	348.67536	327.79270	19.42130	0.0732741	1.9090892	32822
(45961)	14.9	68.00345	149.98486	52.02598	6.51279	0.1109041	2.3432390	32823
(45962)	15.4	294.48872	97.65006	270.37552	17.53175	0.1092637	1.9090426	32823
(45963)	15.6	48.51219	259.51505	319.94078	2.81920	0.1238604	2.5419207	32823
(45964)	15.7	100.85445	40.93123	132.49992	2.82972	0.0343957	2.2976533	32824
(45965)	15.1	339.43840	196.97454	89.52015	7.17492	0.1266243	2.3414934	32824
(45966)	15.6	21.67580	300.85876	306.21549	6.24453	0.1213904	2.2583169	32824
(45967)	15.8	60.10502	265.53515	300.09309	3.37249	0.0912724	2.2982190	32825
(45968)	14.0	5.55064	107.70020	126.04667	8.78312	0.0627043	2.6662655	32825
(45969)	15.9	6.20282	109.71988	147.02578	6.56541	0.1258345	2.4218075	32825
(45970)	16.5	105.18656	13.36553	159.46396	3.25719	0.0831544	2.2031521	32825
(45971)	16.6	3.46463	314.22161	302.03518	4.37244	0.1115557	2.2897590	32826
(45972)	15.1	359.98610	20.06847	255.73211	6.14106	0.1686895	2.2414191	32826
(45973)	14.8	73.26345	266.82472	299.31290	2.94888	0.1630277	2.4324356	32826
(45974)	15.4	154.23813	330.95227	153.97205	7.59826	0.0743837	2.2725831	32827
(45975)	13.7	152.25686	168.66287	318.12371	21.90178	0.0103454	2.5744097	32827
(45976)	14.6	320.55666	139.17309	168.45956	16.61293	0.1148168	3.0430773	32827
(45977)	14.9	158.36899	356.10560	122.69254	6.61614	0.1837410	2.3869299	32828
(45978)	13.2	336.09119	173.29372	145.28820	13.58011	0.1883805	2.7133182	32828
(45979)	15.2	59.55976	331.94057	239.31795	8.81377	0.1628629	2.3988667	32828
(45980)	13.9	39.98493	308.48182	270.37030	12.58969	0.1190227	2.5556518	32829
(45981)	13.6	352.15239	165.67339	119.10237	15.19717	0.1625673	2.5716412	32829
(45982)	14.5	38.67986	32.13595	200.98079	12.58708	0.1244609	2.6097213	32829
(45983)	15.4	106.54368	31.47357	139.43305	4.77379	0.1113760	2.2813165	32830
(45984)	15.6	15.00120	284.58432	333.12543	9.79440	0.2437901	2.5830913	32830
(45985)	15.5	134.99974	265.39326	239.92852	4.30693	0.0997904	2.2370898	32830
(45986)	15.4	65.18342	104.40535	128.56785	7.06835	0.0718473	2.3401818	32831
(45987)	13.5	13.23729	111.47464	143.63397	12.14966	0.0727043	2.9842014	32831
(45988)	14.0	54.10902	82.63891	142.78300	13.71039	0.0859747	2.7109477	32831
(45989)	13.9	20.82081	311.26943	298.75876	15.55893	0.2641857	2.8884262	32832
(45990)	14.2	301.02421	226.00424	120.37187	6.62102	0.1429531	2.2725274	32832
(45991)	14.4	330.99258	8.49028	294.09528	12.34897	0.1989729	2.4231993	32832
(45992)	15.6	97.55314	12.58391	163.53812	3.68829	0.0413549	2.2031802	32833
(45993)	16.0	70.30222	74.30251	130.02752	7.42873	0.0565938	2.2742946	32833
(45994)	16.0	57.56903	68.56533	139.86339	4.96120	0.0872543	2.3718692	32833
(45995)	14.3	88.86777	286.95203	247.64906	10.52312	0.2021329	2.5962558	32834
(45996)	14.7	69.54258	272.03600	288.61123	10.24232	0.1262495	2.5722019	32834
(45997)	15.9	134.74494	352.53304	147.73961	3.33555	0.0460240	2.2873197	32834
(45998)	15.3	34.41808	350.82389	236.99106	5.38058	0.1333061	2.6426914	32834
(45999)	15.4	189.10540	354.19729	107.44868	5.19352	0.1165960	2.2453767	32835
(46000)	16.0	308.01836	175.88129	137.13016	6.85049	0.1201385	2.4011642	32835
(46001)	15.5	53.20708	105.88625	118.61068	5.80809	0.0802607	2.3220365	32835
(46002)	16.0	43.62153	254.34437	347.77368	7.16517	0.0756356	2.2658542	32836
(46003)	15.6	3.57883	156.62630	124.64519	5.96763	0.1358535	2.3321238	32836
(46004)	15.1	22.02385	297.78934	335.00440	19.63638	0.1644292	2.2830556	32836
(46005)	13.6	4.37315	138.01751	127.99981	9.50525	0.1856352	2.6743606	32836
(46006)	16.1	55.93690	161.22539	52.24764	3.01072	0.1451584	2.4314521	32837
(46007)	15.5	117.35884	30.50102	121.63632	7.88847	0.0712699	2.2828202	32837
(46008)	13.6	23.17353	118.77908	125.01237	13.83522	0.1455425	2.5878266	32837
(46009)	15.4	261.47420	259.59804	100.28915	5.54397	0.1955329	2.2509862	32838
(46010)	15.4	2.01743	181.34998	85.74314	5.91687	0.1950781	2.5522711	32838
(46011)	15.4	29.17029	71.28150	139.74959	4.67703	0.0404357	2.7861133	32838
(46012)	13.8	90.64727	24.90826	130.95463	11.22099	0.0269206	3.0661155	32839
(46013)	13.9	48.97897	56.04404	152.46220	10.90484	0.0391000	2.9858665	32839
(46014)	14.9	58.79883	143.54127	62.03700	6.66460	0.1426013	2.4756708	32839
(46015)	15.1	92.05863	87.05857	95.08081	7.40975	0.0622612	2.3977364	32840
(46016)	15.4	352.67454	122.50581	163.86084	4.94397	0.1282483	2.3616231	32840
(46017)	15.1	62.29632	104.73544	49.76792	6.83629	0.1418729	3.1143643	32840
(46018)	15.0	138.56929	294.32493	167.76996	2.65493	0.0375656	2.6985765	32840
(46019)	14.4	317.56397	181.13271	118.72042	14.02313	0.0286331	2.6096854	32841
(46020)	15.6	18.81114	133.03490	136.57890	3.65575	0.1025250	2.3041169	32841
(46021)	14.5	91.84450	32.31923	157.90505	11.83089	0.1108691	2.3402427	32841
(46022)	14.8	92.14641	134.60670	37.89638	6.55698	0.1923939	2.5896580	32842
(46023)	15.2	304.00899	233.47879	106.08265	7.99846	0.1578424	2.2508452	32842
(46024)	13.3	322.09190	166.66469	131.59647	18.32465	0.2287218	3.1436855	32842
(46025)	14.9	54.07994	107.67050	110.05808	10.38238	0.0683212	2.5900606	32843
(46026)	15.1	46.22540	113.80048	120.24784	13.77469	0.1734858	2.6309436	32843
(46027)	13.9	6.62364	156.61724	126.83506	15.77594	0.2526698	2.7514991	32843
(46028)	14.8	110.35494	40.28517	112.12955	11.22843	0.1528617	2.7038846	32844
(46029)	14.5	77.41382	85.33375	112.49913	14.12669	0.0975826	2.6151019	32844
(46030)	15.5	12.47171	159.57650	116.26511	3.22617	0.1914383	2.3843215	32844
(46031)	15.6	353.42031	186.98618	111.95965	3.29667	0.2046237	2.3743078	32845
(46032)	15.9	326.35506	246.96175	69.37251	3.20608	0.0126013	2.2805229	32845
(46033)	14.8	3.63012	126.21448	142.25358	13.46277	0.1558579	2.7533959	32845
(46034)	15.2	0.44918	179.98221	107.28739	4.15008	0.1308278	2.4198425	32845
(46035)	15.7	21.11585	125.04494	139.00779	6.45542	0.0909053	2.3206256	32846
(46036)	16.2	289.51320	267.61226	88.14447	4.09834	0.0905615	2.1568383	32846
(46037)	13.9	7.02608	112.69241	170.77269	30.42081	0.3524025	2.7599395	32846
(46038)	15.2	176.81637	349.12417	119.92212	6.48635	0.0556174	2.2273904	32847
(46039)	15.7	350.43574	108.46073	175.65302	6.74991	0.1177751	2.4097484	32847
(46040)	14.5	348.46655	245.21782	16.33733	1.16711	0.1239181	3.0854334	32847
(46041)	15.0	25.00555	291.02494	316.61200	12.62720	0.1374656	2.5711222	32847
(46042)	15.3	156.30853	340.86260	147.54183	6.45060	0.0892982	2.3873866	32848
(46043)	14.8	47.67647	54.87901	174.57710	4.93945	0.2084716	2.5995619	32848
(46044)	15.9	50.72447	267.34324	311.29766	0.57522	0.0843039	2.6105103	32848
(46045)	14.0	107.25910	305.92188	175.12701	7.38968	0.0929669	3.2019691	32848
(46046)	15.5	22.98048	113.21326	150.02920	6.50420	0.0864384	2.4158013	32849
(46047)	13.5	356.48087	295.22346	348.39732	12.16845	0.3177155	3.0203998	32849
(46048)	15.7	14.82338	121.10378	166.82425	2.43445	0.2089755	2.3804227	32849
(46049)	16.4	230.76104	74.02708	336.52531	3.12188	0.1307714	2.1895670	32850
(46050)	14.9	73.20581	258.87616	306.28330	1.16784	0.2415079	2.9910889	32850

(46051)	14.8	121.97434	342.30434	186.26909	6.11665	0.1765908	2.5523579	32850
(46052)	15.5	261.53173	197.90026	171.17712	4.00988	0.1942658	2.1929285	32851
(46053)	16.2	240.22743	76.66379	338.10558	3.82857	0.0869031	2.1357181	32851
(46054)	14.4	38.45263	23.67522	186.50950	16.62152	0.1383246	3.0585288	32851
(46055)	15.5	63.91238	65.72362	145.83879	2.69083	0.0895617	2.5922344	32851
(46056)	14.5	136.01423	190.56828	305.62636	13.85591	0.0922077	2.6487817	32852
(46057)	14.1	14.97902	90.89412	160.54610	7.07472	0.1683408	2.5431280	32852
(46058)	14.5	3.83300	87.63490	205.08031	11.80556	0.1556766	2.6499876	32852
(46059)	15.3	7.25479	26.69858	276.13214	7.09021	0.1610038	2.2721019	32852
(46060)	14.4	284.89232	109.16292	214.31589	9.14594	0.0300784	2.9684940	32853
(46061)	14.5	86.53768	343.51856	203.38749	14.09054	0.1117196	2.5744515	32853
(46062)	14.2	345.29070	44.26484	232.61900	10.93425	0.1698070	2.6888005	32853
(46063)	15.6	343.57899	331.77390	343.13690	8.33149	0.2013805	2.3548532	32854
(46064)	13.5	354.70569	65.21351	201.01444	14.04460	0.1967212	3.0767773	32854
(46065)	15.6	1.91375	110.60111	171.54081	5.98744	0.0949159	2.3555484	32854
(46066)	15.6	11.95364	145.90663	111.46697	3.65428	0.1468610	2.4216788	32854
(46067)	14.2	340.41653	132.09056	173.31065	15.57758	0.0785435	3.2368142	32855
(46068)	16.5	344.40428	126.16995	173.04315	1.05653	0.0965468	2.1589432	32855
(46069)	15.8	70.40723	93.83010	107.17657	9.17869	0.1476576	2.4617674	32855
(46070)	15.6	350.91900	229.58190	69.48608	6.36188	0.1373502	2.2056596	32855
(46071)	14.3	28.68264	5.01762	205.73707	4.66499	0.1249563	3.0619095	32856
(46072)	13.8	10.27442	80.30984	176.30165	8.37705	0.1430978	3.1944123	32856
(46073)	15.1	79.46236	101.40930	87.53311	6.99790	0.0799733	2.4489892	32856
(46074)	14.0	50.85721	122.63080	96.77599	9.67118	0.2236302	2.7221442	32857
(46075)	14.9	21.67214	324.06874	288.67250	7.77978	0.0916370	2.3697817	32857
(46076)	15.2	197.35548	275.79354	137.00637	5.21997	0.0671009	2.7711927	32857
(46077)	14.1	321.56923	158.20849	137.05486	9.14352	0.0830841	3.0538387	32857
(46078)	14.8	319.59176	282.72319	45.83850	5.59593	0.1575494	2.5701907	32858
(46079)	15.2	125.04749	75.45102	84.18623	3.65699	0.0910180	2.3809595	32858
(46080)	15.4	23.68990	111.65828	140.33119	4.45965	0.0733545	2.7403752	32858
(46081)	15.2	342.40498	167.95988	123.15641	2.88777	0.0751925	2.8127161	32858
(46082)	15.2	315.54663	206.32749	116.48283	3.61354	0.0525016	2.6173522	32859
(46083)	14.3	353.67009	151.94744	151.28556	9.21369	0.2739704	2.7520182	32859
(46084)	13.9	282.09714	177.30998	166.85418	10.92113	0.1436335	3.0034839	32859
(46085)	14.7	358.07986	135.47732	180.42444	14.87696	0.1363205	2.6491577	32860
(46086)	13.8	68.98000	48.54882	160.98762	13.47413	0.0614362	3.1377031	32860
(46087)	13.5	126.09427	32.78003	133.48086	14.13062	0.0841260	2.6178319	32860
(46088)	13.3	48.72466	81.70069	109.37711	18.02653	0.1550011	3.0153467	32861
(46089)	14.0	324.57432	202.62830	110.56491	14.29582	0.1435888	2.6110711	32861
(46090)	16.0	333.36481	316.78275	12.25663	5.24831	0.1776790	2.2764988	32861
(46091)	13.9	337.59088	204.49355	119.20215	11.71082	0.1877502	2.7184823	32862
(46092)	14.4	31.23804	46.76024	202.50580	12.58024	0.1392605	2.7439917	32862
(46093)	13.4	184.65723	300.42199	148.24258	28.82825	0.2051326	2.6504835	32862
(46094)	14.7	32.89158	6.48963	206.42710	10.48503	0.0832946	3.0681330	32862
(46095)	14.4	11.03557	140.15491	91.43357	10.79651	0.0716770	3.1720474	32863
(46096)	15.1	221.41935	292.46024	172.39458	26.92445	0.1211918	1.9301165	32863
(46097)	14.5	336.04720	348.20973	343.36717	7.44735	0.1474820	2.3205855	32863
(46098)	15.8	132.65943	244.85727	266.16752	4.90801	0.0610112	2.1786998	32864
(46099)	14.8	331.47332	144.59601	177.19392	23.34467	0.2299784	2.3701664	32864
(46100)	14.3	12.27552	189.53886	62.24153	2.15702	0.1880879	3.1739560	32864
(46101)	13.6	30.34355	42.29336	216.95990	12.32554	0.0796930	3.1169200	32865
(46102)	13.6	220.95103	124.38324	258.63677	9.51196	0.1121532	2.9775970	32865
(46103)	14.4	8.30420	211.87057	60.17494	2.79560	0.0439001	2.7642073	32865
(46104)	13.4	273.01807	182.32158	170.60491	12.77259	0.0646919	3.0478660	32866
(46105)	14.6	150.77088	272.20496	186.74345	9.28486	0.0471826	3.1793064	32866
(46106)	16.0	282.90895	188.61529	183.54993	8.14866	0.0811914	2.3857614	32866
(46107)	15.1	117.96435	179.49222	355.96781	6.45480	0.0822487	2.4341418	32867
(46108)	15.5	339.10113	56.32250	282.15102	2.03494	0.1831210	2.2415877	32867
(46109)	13.4	29.76213	186.59909	69.36881	4.42028	0.1475184	3.1830708	32867
(46110)	15.7	202.47139	323.07607	132.17615	4.47879	0.1185924	2.3535178	32868
(46111)	14.4	4.45940	319.97246	325.32679	12.10269	0.1609894	2.6909559	32868
(46112)	14.3	356.32191	111.55492	200.16615	13.01771	0.1994494	2.7785412	32868
(46113)	14.5	354.32782	152.89000	152.84646	15.26702	0.1317335	2.6087336	32868
(46114)	14.8	8.39617	30.18027	241.46017	13.12122	0.1706640	2.7159449	32869
(46115)	13.7	91.64078	339.55131	174.03783	10.89438	0.0416738	2.9909057	32869
(46116)	16.2	139.64938	289.13949	217.14842	3.92372	0.0957412	2.2115661	32869
(46117)	15.4	78.54094	11.63732	196.73208	5.22474	0.0773243	2.3036181	32870
(46118)	15.5	54.41958	308.29889	295.14713	5.22627	0.1068212	2.2577447	32870
(46119)	15.4	334.80310	161.39729	155.89497	2.88505	0.2003784	2.4648066	32870
(46120)	15.4	357.78613	145.62937	163.75015	8.00718	0.2699619	2.3810146	32871
(46121)	14.0	0.56453	280.08499	354.92459	5.73282	0.0801826	2.7153514	32871
(46122)	15.2	64.78773	30.75101	190.37708	6.99243	0.1475892	2.6005540	32871
(46123)	14.1	80.25759	355.24950	184.72864	18.77607	0.0350971	2.7617537	32872
(46124)	14.8	321.86824	235.72393	100.60281	1.65569	0.2115742	2.4459058	32872
(46125)	14.6	3.24842	19.89078	282.75732	1.30310	0.1321818	2.4418714	32872
(46126)	14.7	153.65386	110.00705	13.91565	4.72476	0.0297015	2.7503109	32872
(46127)	14.0	51.30672	260.86657	351.43295	4.36347	0.1161262	2.5350402	32873
(46128)	15.3	348.69761	4.19077	317.31624	5.24090	0.1815678	2.3461629	32873
(46129)	15.1	294.23161	186.95182	182.08879	2.66607	0.1065165	2.3967450	32873
(46130)	14.9	311.12972	146.52570	189.79267	5.79934	0.0301868	2.7003022	32874
(46131)	14.5	88.83551	331.81465	213.64169	4.35237	0.1138275	2.7579740	32874
(46132)	15.1	120.33305	230.36831	283.41084	3.29526	0.2200777	2.5836942	32874
(46133)	15.6	261.34490	31.79947	356.13100	5.37909	0.0680486	2.4482481	32875
(46134)	14.7	56.48737	180.20203	47.08134	2.61338	0.0364242	2.9435855	32875
(46135)	13.9	354.30338	90.31472	213.51458	8.11681	0.1474265	2.7576566	32875
(46136)	14.2	64.21697	256.13026	303.28690	3.45960	0.1097019	3.2091290	32876
(46137)	13.4	311.61122	124.18080	202.35151	21.68539	0.0444126	3.1848812	32876
(46138)	14.5	328.27606	166.55739	175.61105	16.78373	0.2151869	2.6386128	32876
(46139)	13.8	58.41421	63.02576	156.49294	11.54874	0.1243924	3.0726889	32877
(46140)	13.5	63.18183	343.13595	239.94693	8.41235	0.0927740	2.7558487	32877
(46141)	13.9	45.46364	113.36772	113.71193	15.36669	0.0761952	3.2350719	32877
(46142)	14.3	119.01652	249.38116	222.29891	16.15282	0.1618174	3.1958191	32878
(46143)	14.2	354.79363	148.58126	109.67427	2.54270	0.0527748	3.1931940	32878
(46144)	15.9	301.52496	214.90382	124.93992	2.74015	0.0549102	2.5306110	32878
(46145)	14.5	254.94727	275.72577	88.35049	3.33424	0.1210249	2.8871029	32878
(46146)	15.5	91.76431	27.09509	153.91153	4.60628	0.1185172	2.7146497	32879
(46147)	14.8	308.25172	181.67039	151.57441	7.82378	0.0303856	2.6264669	32879
(46148)	15.6	343.86458	277.37377	43.27820	6.60845	0.1389720	2.4238990	32879
(46149)	14.3	121.96265	305.71895	170.74762	14.98046	0.1756714	3.2305760	32879
(46150)	14.6	40.76400	78.67507	170.61664	15.25252	0.0696279	2.6055694	32880
(46151)	13.7	299.09160	172.04325	162.95081	11.06410	0.1078916	2.9854559	32880
(46152)	15.2	324.15031	225.77817	102.07188	4.49650	0.0520379	2.5281948	32880
(46153)	15.5	140.44566	60.12321	82.63049	4.17715	0.0761473	2.5170651	32881
(46154)	13.8	37.86828	87.82916	151.39361	4.64627	0.1577080	3.1042168	32881

(46155)	14.8	7.93423	154.97326	126.96267	3.18393	0.0634957	2.7026339	32881
(46156)	14.9	343.18958	155.87299	160.20469	5.45785	0.1540043	2.7770055	32882
(46157)	14.8	100.21033	97.12721	88.39024	5.45583	0.0387677	2.6930101	32882
(46158)	14.3	265.28745	216.58650	169.85331	14.10151	0.1850880	2.5615275	32882
(46159)	14.3	22.10445	102.83087	150.59447	5.51145	0.1067824	3.1509304	32882
(46160)	13.2	43.10892	43.16396	196.23643	22.36485	0.0645776	3.2051336	32883
(46161)	14.6	134.62508	328.26210	174.72998	8.75900	0.2162377	2.6736460	32883
(46162)	14.6	139.42443	335.37240	188.66692	14.43268	0.0294124	2.6041748	32883
(46163)	15.0	332.05456	3.52493	334.49794	10.63693	0.1023565	2.3847699	32884
(46164)	14.7	150.17413	172.51254	320.25078	8.61767	0.0509970	2.6676116	32884
(46165)	14.5	120.08071	218.38075	291.09875	7.65355	0.2166266	2.7185696	32884
(46166)	14.2	26.64431	21.82645	235.69824	8.15410	0.1085830	2.7552000	32884
(46167)	16.6	13.17238	267.04733	12.50337	3.19128	0.0254209	2.3406912	32885
(46168)	14.7	63.18926	79.46819	130.10390	2.00458	0.2136423	3.2678363	32885
(46169)	14.5	327.90303	240.60365	74.01215	6.91145	0.0548016	2.7889976	32885
(46170)	13.9	160.91157	327.13053	180.93445	14.71540	0.1460084	2.5471555	32885
(46171)	14.4	128.18066	331.98723	180.68655	14.03977	0.1072221	2.6987108	32886
(46172)	14.8	0.22598	215.14053	81.63628	7.42200	0.1905135	2.4041529	32886
(46173)	13.8	340.80317	170.27582	137.08043	15.14213	0.1723747	2.6414545	32886
(46174)	14.9	263.12090	217.83750	139.07655	13.79004	0.1188303	2.6776598	32887
(46175)	15.8	136.86258	18.39912	129.21760	7.09545	0.0610133	2.3859246	32887
(46176)	14.5	52.35193	166.17501	55.10336	9.43489	0.0346788	2.7471156	32887
(46177)	13.7	351.14602	121.77213	170.79836	18.17969	0.1427199	3.2148615	32888
(46178)	13.0	353.34584	155.04935	126.23605	12.88189	0.0679404	3.0476214	32888
(46179)	14.2	310.67385	238.87727	108.63748	10.24373	0.1780760	2.7393060	32888
(46180)	15.5	150.93131	247.57311	242.52034	5.78061	0.1072046	2.3004905	32888
(46181)	14.9	9.30354	332.90517	332.35580	10.81104	0.1691610	2.5524154	32889
(46182)	15.5	193.31081	175.09359	273.07151	5.32505	0.1096357	2.2102306	32889
(46183)	14.0	75.70657	263.60798	308.45455	12.05937	0.1025456	2.6330334	32889
(46184)	15.5	21.03564	118.75860	164.65296	11.61722	0.1640891	2.6573227	32890
(46185)	15.0	298.65488	150.24368	195.86574	9.38138	0.1409264	2.5907835	32890
(46186)	15.3	317.76473	184.70866	159.50325	3.17284	0.1936166	2.4344098	32890
(46187)	13.6	322.41352	174.48818	158.53797	12.95781	0.1807344	2.6705360	32890
(46188)	15.2	102.34997	296.35890	228.47941	11.55282	0.1141984	2.5615239	32891
(46189)	14.1	76.20151	293.10391	265.63658	15.88837	0.1123171	2.5908005	32891
(46190)	14.6	114.83246	206.91342	318.08496	15.17330	0.0915098	2.5707534	32891
(46191)	14.7	214.90565	235.75143	164.44432	10.36442	0.0706515	3.1461297	32892
(46192)	15.3	303.06121	166.75264	170.50576	9.75677	0.0766277	2.6752598	32892
(46193)	15.2	320.45039	164.84433	154.51643	2.50357	0.0667791	2.8298409	32892
(46194)	15.2	305.82615	235.42936	134.31989	6.68301	0.1231356	2.3957044	32892
(46195)	14.7	15.08250	123.34377	157.59084	4.81666	0.0345640	2.7891205	32893
(46196)	14.5	274.47721	310.77545	81.07492	9.45723	0.2077667	2.6348960	32893
(46197)	15.0	148.38744	168.92064	324.91994	9.67915	0.0962954	2.4416213	32893
(46198)	14.3	13.07781	56.14993	224.98164	14.04852	0.0892477	2.6495444	32894
(46199)	15.1	355.36846	48.76312	259.12750	8.62366	0.1568683	2.5811175	32894
(46200)	14.6	346.25836	356.99310	314.71490	11.00672	0.1441695	2.6218243	32894
(46201)	15.0	89.18788	329.85957	220.77951	12.59320	0.1724259	2.6135619	32894
(46202)	14.6	30.02980	146.76483	109.00275	15.61643	0.0238929	2.6679381	32895
(46203)	14.9	335.44288	144.15246	174.06367	9.02839	0.1517227	2.7574590	32895
(46204)	14.2	3.72961	184.10360	110.10227	2.84728	0.2678617	3.2402813	32895
(46205)	14.5	342.03827	94.09538	234.95462	13.73959	0.1433014	2.5651487	32895
(46206)	14.7	183.61599	145.99251	310.28954	10.02063	0.0352886	2.6956346	32896
(46207)	15.3	192.72176	37.22279	61.92855	7.11493	0.1493388	2.2618172	32896
(46208)	14.6	11.31888	253.73657	20.80884	0.57848	0.1633327	3.1738747	32896
(46209)	13.6	188.35335	230.94357	201.56699	16.54759	0.0516333	2.8339862	32896
(46210)	15.4	320.64367	154.76267	199.98829	7.35291	0.1296764	2.3382951	32897
(46211)	13.8	29.80684	36.53178	220.37468	9.03755	0.0609660	3.0851997	32897
(46212)	14.1	45.06693	28.72534	206.60611	11.98388	0.0406824	2.9421002	32897
(46213)	14.5	164.76644	352.85188	116.98169	12.03764	0.1813922	2.4377686	32898
(46214)	14.4	334.11612	37.59601	262.13368	9.84647	0.1556929	2.6418965	32898
(46215)	14.8	138.83822	293.00194	210.02847	10.86700	0.0959694	2.8006925	32898
(46216)	14.4	25.81069	128.24559	135.43150	15.56864	0.0933880	2.6416572	32899
(46217)	15.2	351.56121	150.28348	146.67241	15.59117	0.0688611	2.5956402	32899
(46218)	14.3	283.32687	138.14661	213.93260	10.41084	0.1181830	3.0675608	32899
(46219)	14.7	5.86462	331.46521	300.03864	9.76816	0.1201202	2.7150288	32900
(46220)	14.2	317.74082	329.52285	343.56916	0.51968	0.2049264	3.1250298	32900
(46221)	14.4	102.63926	340.57991	212.27322	9.68063	0.0714344	2.9633706	32900
(46222)	13.4	354.27778	139.61320	154.73966	14.82946	0.2757494	3.1653116	32900
(46223)	14.8	131.91328	15.93273	136.85202	8.26164	0.1426301	2.5868114	32901
(46224)	14.6	7.71000	128.13832	146.52826	1.33188	0.1067557	3.0730876	32901
(46225)	14.6	20.22440	66.26218	193.88693	5.87220	0.1358391	3.1906446	32901
(46226)	12.7	13.10259	70.69524	219.25361	8.61352	0.0788279	3.0446642	32902
(46227)	13.5	346.22630	97.05255	223.81460	20.89637	0.1041737	3.0727648	32902
(46228)	14.7	29.44214	221.28697	40.60464	1.13908	0.1526342	3.1875714	32902
(46229)	14.9	84.23491	353.61919	207.50318	13.49208	0.1099375	2.6278892	32903
(46230)	14.4	22.46904	61.15882	239.97175	12.31584	0.1880486	2.6233838	32903
(46231)	12.2	48.02905	359.23064	239.14499	10.71249	0.1033682	3.2197163	32903
(46232)	14.9	1.31912	109.16588	211.97809	11.14054	0.1835489	2.8821288	32904
(46233)	15.0	347.37042	141.67708	201.77607	13.06635	0.1937327	2.5886799	32904
(46234)	14.3	354.32915	120.01315	208.40796	9.50358	0.2298454	2.9808243	32904
(46235)	14.2	7.47439	44.31266	245.26445	6.90158	0.1644093	2.7769034	32905
(46236)	14.5	167.71784	293.42292	207.32063	13.86339	0.0767766	2.5824422	32905
(46237)	13.9	337.55351	104.59289	227.67064	11.57043	0.2754210	2.6447377	32905
(46238)	15.2	337.13140	24.31194	315.65017	5.81784	0.1445953	2.3348352	32906
(46239)	14.0	206.42028	248.73841	207.89853	12.66725	0.1247935	2.5500265	32906
(46240)	14.7	324.17736	289.64677	38.58972	6.38916	0.0094492	2.7856643	32906
(46241)	14.1	3.00937	75.78105	212.41638	8.67228	0.0360834	2.9721910	32907
(46242)	14.2	127.82401	303.63115	214.69874	9.89225	0.0243494	3.0823834	32907
(46243)	14.3	155.03236	283.84402	214.00921	16.34703	0.0868790	2.7118929	32907
(46244)	12.6	307.63429	258.16448	106.51346	22.72351	0.1831039	3.1526135	32908
(46245)	13.3	332.53722	104.56337	240.69956	9.33478	0.1182576	3.0877685	32908
(46246)	13.4	346.61838	90.50649	218.27427	6.37625	0.1749494	3.1944315	32908
(46247)	14.6	295.88566	290.28180	75.53733	3.26369	0.0548869	2.8798110	32909
(46248)	13.2	30.21552	97.22659	175.63411	16.83137	0.0992137	3.0960464	32909
(46249)	15.0	74.79205	98.65631	112.02861	2.44198	0.1292627	3.2021230	32909
(46250)	14.0	32.93134	46.66809	229.93500	4.08790	0.1286127	3.1064551	32910
(46251)	13.7	262.80749	271.14385	130.35532	10.18975	0.0553900	3.0503583	32910
(46252)	14.0	141.12064	286.53860	216.24666	16.31724	0.1486302	3.2123924	32910
(46253)	14.1	317.18492	125.09498	227.52679	8.99777	0.1076391	3.1069387	32911
(46254)	13.6	105.36404	299.66404	235.62419	15.14546	0.1697516	3.1140203	32911
(46255)	12.8	358.00603	74.85399	251.90942	9.75805	0.2091630	3.1866630	32911
(46256)	14.4	133.38409	9.98646	157.77891	15.59769	0.0401945	2.7056913	32912
(46257)	13.6	326.24901	137.40239	208.94837	22.27367	0.2609812	3.0545656	32912
(46258)	15.3	311.42428	60.02705	306.64989	3.88809	0.1621766	2.3141965	32912

(46259)	14.3	353.58073	195.78069	116.19878	10.42014	0.1460039	2.7626481	32913
(46260)	13.6	261.14421	289.26913	90.95509	11.38376	0.0609429	3.1883064	32913
(46261)	14.0	355.63369	62.04488	236.27245	14.50843	0.0555806	2.5736234	32913
(46262)	13.7	61.53514	305.70403	288.67174	11.49822	0.1405551	2.6648351	32914
(46263)	13.5	120.25897	354.23441	144.23856	17.84875	0.0519638	3.1468448	32914
(46264)	14.2	71.06611	352.13356	236.77033	7.47362	0.0469486	2.9668201	32914
(46265)	14.1	352.12705	69.71628	225.72031	10.16907	0.1341641	3.0554474	32915
(46266)	14.3	2.42706	41.92099	237.02591	8.58283	0.0474903	2.9780713	32915
(46267)	14.1	214.64149	287.74472	160.29101	11.13518	0.1517666	2.5364870	32915
(46268)	15.0	326.54988	64.83139	266.78290	8.81357	0.0134343	2.5475717	32915
(46269)	14.2	350.33119	199.43230	95.43371	11.57760	0.0848555	2.9871373	32916
(46270)	14.2	302.19075	290.89988	68.75626	1.91894	0.1441997	3.2138115	32916
(46271)	14.6	55.62010	16.92787	227.60080	9.57320	0.0500034	2.9798062	32916
(46272)	14.4	149.05693	269.78375	225.85521	12.19186	0.0363838	2.8582934	32916
(46273)	15.5	320.30976	6.93504	338.05605	1.38828	0.0952328	2.7245708	32917
(46274)	14.4	310.07443	167.78771	211.17448	10.55324	0.2052063	2.6989926	32917
(46275)	13.8	291.47573	152.55695	232.74305	22.70265	0.2102426	3.0550275	32917
(46276)	13.9	21.55080	121.29833	181.90809	13.04678	0.0946799	2.6613667	32917
(46277)	14.1	306.09713	223.86048	126.34072	6.10925	0.1347405	3.2273748	32918
(46278)	14.1	108.28077	311.69721	229.52539	15.81729	0.0600701	3.1979884	32918
(46279)	13.5	344.35621	131.78171	235.73806	15.45872	0.2412334	2.7568092	32918
(46280)	14.1	238.81846	194.12899	242.39691	11.93400	0.1375914	2.6991360	32919
(46281)	15.1	322.46685	131.82270	231.97810	6.00751	0.1241307	2.3485490	32919
(46282)	13.5	266.19348	162.19358	245.36668	11.64202	0.0629341	3.0611144	32919
(46283)	14.0	7.06495	51.07917	247.42273	8.84511	0.0904763	2.8669771	32919
(46284)	14.8	308.25720	189.00688	202.12763	9.77401	0.2117771	2.3952135	32920
(46285)	13.7	286.87818	248.92195	142.77203	6.04823	0.1173437	3.1554789	32920
(46286)	13.6	300.26985	177.36076	192.52526	9.58724	0.0749723	2.9728414	32920
(46287)	13.9	296.98884	167.48740	218.23933	6.77251	0.1016488	3.1081351	32921
(46288)	13.6	196.96750	5.30394	88.53845	11.99188	0.0390335	3.0845535	32921
(46289)	14.7	30.60762	55.37222	249.63026	13.01108	0.0878483	2.6946719	32921
(46290)	14.9	130.56476	326.66845	195.41068	10.55075	0.0398296	2.7081768	32921
(46291)	14.2	36.55552	74.57987	180.20307	9.65603	0.0390736	2.9642083	32922
(46292)	13.9	49.94590	133.17674	107.06076	11.85458	0.0272488	3.0915206	32922
(46293)	13.5	276.95233	238.00141	153.51803	10.48557	0.0928628	3.0852654	32922
(46294)	14.3	297.94775	262.85804	117.01891	14.15697	0.1984840	2.6738178	32922
(46295)	13.9	293.70780	238.67349	124.48261	14.45783	0.0766643	3.1514034	32923
(46296)	14.3	29.87980	323.11750	298.34639	3.18451	0.0365016	3.1051659	32923
(46297)	13.6	353.95128	19.15293	313.18615	12.70972	0.1850967	2.6810334	32923
(46298)	13.8	341.16048	197.42161	207.28137	11.04600	0.0907649	3.0404648	32923
(46299)	13.0	314.71672	156.95645	263.16436	9.34031	0.1635493	3.1709092	32924
(46300)	14.4	332.39569	276.64444	124.19722	2.71792	0.1508816	3.0991618	32924
(46301)	14.0	333.24092	203.95062	230.31156	11.17361	0.1670478	2.6661426	32924
(46302)	12.6	48.46245	297.48543	7.53378	3.81992	0.2274990	3.9754903	32925
(46303)	13.3	171.73333	273.27057	279.47698	12.36950	0.0923771	2.7930285	32925
(46304)	13.8	60.37194	23.77670	10.00976	15.17596	0.2399738	2.5446452	32925
(46305)	13.9	347.42652	56.15001	310.99591	4.38533	0.1265471	3.5283895	32926
(46306)	13.9	75.05876	47.04324	287.21638	14.60315	0.1461640	2.6313586	32926
(46307)	14.0	77.77962	148.19088	197.43471	1.53315	0.0587731	2.8454113	32926
(46308)	14.0	65.64200	229.03500	122.70693	2.96482	0.1046301	2.9328752	32927
(46309)	13.8	121.17181	81.92456	183.39573	11.67260	0.0759700	3.2352878	32927
(46310)	15.3	14.45828	263.87574	122.42357	3.64676	0.0894391	2.6692752	32928
(46311)	14.1	30.41848	181.31788	187.39343	1.00261	0.0857562	3.0133263	32928
(46312)	14.8	322.71270	36.21211	65.36281	1.36825	0.0963320	2.5493252	32928
(46313)	13.0	47.98916	329.66035	22.32180	11.22873	0.1161493	2.9845019	32929
(46314)	15.0	70.62329	6.29172	7.69480	2.42772	0.1714581	2.2995576	32929
(46315)	14.0	61.68443	229.48827	147.59931	3.88683	0.1954131	2.5913338	32930
(46316)	15.1	52.48882	282.46058	95.30875	5.67405	0.2327400	2.4366480	32930
(46317)	14.6	310.80848	144.44631	312.57837	11.54067	0.2153946	2.6686603	32931
(46318)	14.1	63.85105	356.81533	10.60173	3.35277	0.1930564	2.7093860	32931
(46319)	14.3	44.65312	16.84838	20.62107	2.95668	0.0909331	2.6535288	32931
(46320)	14.3	36.92654	214.26994	204.97838	5.58421	0.1206757	2.3905368	32932
(46321)	14.1	95.23887	107.96834	230.12953	1.48415	0.0629811	2.8410964	32932
(46322)	13.7	79.67902	12.01405	332.63647	3.85785	0.1566844	2.7926985	32933
(46323)	13.1	118.78972	349.37489	281.16642	8.19729	0.0416446	3.0313039	32933
(46324)	14.2	343.73908	315.49141	112.78501	4.73155	0.0459339	2.6849405	32934
(46325)	13.0	50.00575	48.66040	284.12898	9.44123	0.0874468	3.1122246	32934
(46326)	14.8	53.43797	296.21424	78.33025	6.30423	0.1800845	2.2813187	32934
(46327)	14.7	172.28676	139.19561	65.80749	4.06827	0.0778755	2.9459043	32935
(46328)	15.4	196.21513	169.25087	37.84772	2.59267	0.0207093	2.7133469	32935
(46329)	14.6	196.97209	237.58232	315.39682	2.14343	0.1239163	3.1645175	32935
(46330)	14.9	212.67687	147.15301	37.54241	1.38649	0.0466156	3.0571714	32936
(46331)	14.7	228.13600	174.60157	41.69967	10.20375	0.0393500	2.5930062	32936
(46332)	13.3	20.97029	334.73569	31.34338	10.50114	0.0985362	3.0608085	32936
(46333)	13.3	23.85612	330.42578	33.90243	9.94805	0.0912774	3.0727692	32936
(46334)	13.8	44.43786	242.97759	177.23603	13.19955	0.1726253	2.5485274	32937
(46335)	14.9	7.66742	352.25072	63.70234	2.70803	0.1542821	2.5431796	32937
(46336)	14.0	82.81322	55.73772	276.47247	4.08319	0.0631997	2.7338541	32937
(46337)	14.4	153.12570	100.26790	189.92156	9.29279	0.0740969	2.5711650	32938
(46338)	14.2	96.43159	116.32495	181.30857	1.23432	0.2002926	3.2019907	32938
(46339)	13.7	90.29500	346.92694	3.90337	3.92648	0.0902616	2.7389941	32939
(46340)	15.2	24.85791	270.00346	125.71425	1.00785	0.0451345	2.5975839	32939
(46341)	15.1	2.27371	65.12355	9.68034	12.85972	0.1764084	2.5513071	32939
(46342)	13.8	102.48085	183.14181	118.37512	2.87418	0.1520773	3.0956025	32940
(46343)	14.8	239.70311	111.35864	84.63432	4.27205	0.0801549	2.6308440	32940
(46344)	15.6	200.75806	175.35455	58.40664	2.38973	0.0339220	2.5421972	32941
(46345)	14.8	84.43308	9.71316	354.51768	7.83362	0.1862354	2.2604392	32941
(46346)	14.2	134.27398	78.15736	216.44409	10.87754	0.1993217	2.6784260	32941
(46347)	13.9	264.37788	161.40470	330.65397	9.35576	0.0371731	2.9728616	32942
(46348)	14.8	178.75159	229.54454	347.29278	0.75211	0.1678274	3.1404510	32942
(46349)	14.5	258.87308	157.16169	6.63287	2.76354	0.0523096	2.7194703	32942
(46350)	14.2	203.38164	23.77251	143.42778	10.21556	0.0424035	3.1611611	32943
(46351)	15.0	161.08818	166.07680	74.69103	2.20264	0.1298590	3.1224011	32943
(46352)	15.1	198.46873	75.46992	173.35092	3.65923	0.1500254	2.4506089	32943
(46353)	14.1	89.93297	229.19698	120.83541	3.55126	0.0800461	2.6871206	32943
(46354)	12.8	74.76117	343.16499	40.70444	13.96762	0.1817438	2.6198593	32944
(46355)	13.7	130.40953	249.80438	38.03938	7.68909	0.1099285	3.2411423	32944
(46356)	15.5	300.37110	110.86853	44.09824	8.00273	0.0616312	2.3525307	32945
(46357)	14.0	83.03102	293.73229	58.71976	15.34161	0.1473638	2.6003721	32945
(46358)	15.9	32.93745	297.83886	126.92450	4.31026	0.1099113	2.3242462	32946
(46359)	13.9	138.52464	165.88947	128.77737	5.02008	0.0715582	2.7582516	32946
(46360)	15.2	287.80313	166.02583	11.06410	2.62967	0.1570069	2.4300253	32946
(46361)	13.4	140.14646	49.47285	254.25132	7.25497	0.1679868	2.6028422	32947
(46362)	13.1	52.18997	96.05643	269.03593	15.34976	0.0513761	3.0722059	32947

(46363)	13.3	116.34168	231.15516	80.79910	11.25881	0.1271603	2.6905995	32947
(46364)	13.5	54.80184	289.51646	91.42214	11.84619	0.0575652	3.0409676	32948
(46365)	15.5	314.29755	7.55224	135.22741	3.69180	0.0864263	2.5641729	32948
(46366)	14.8	148.98041	47.45635	251.07212	7.83719	0.1575709	2.5793211	32948
(46367)	14.2	43.28717	245.94771	155.20295	13.72090	0.1600612	2.5837662	32949
(46368)	14.7	92.92518	302.45180	68.90729	6.16750	0.1109332	2.4248682	32949
(46369)	15.7	22.90203	49.34895	55.37250	4.75421	0.0878762	2.1930658	32949
(46370)	15.0	176.05082	230.59780	70.66200	6.69076	0.0200629	2.4422453	32950
(46371)	15.0	100.18916	144.75457	227.20961	5.80625	0.1279817	2.2858473	32950
(46372)	13.6	84.30375	51.86727	312.90305	2.30393	0.1694178	2.5580582	32950
(46373)	15.0	156.81193	286.85044	43.51754	15.16233	0.0663003	2.5217156	32951
(46374)	14.3	119.94292	156.73707	181.52836	5.34159	0.1938027	2.4016210	32951
(46375)	14.1	108.49880	197.18908	143.67339	5.69523	0.1345854	2.6119775	32951
(46376)	14.5	173.82716	34.43628	275.49137	18.12066	0.0900276	1.9598712	32951
(46377)	13.2	117.26392	319.76408	353.64360	22.95751	0.1814806	3.1540217	32952
(46378)	14.8	245.21750	200.50601	45.21084	5.64527	0.0982568	2.2454744	32952
(46379)	15.1	58.94598	44.37990	29.45757	7.17276	0.0959366	2.3044136	32952
(46380)	14.9	206.87925	180.10662	80.97708	15.77775	0.1493246	2.5990629	32953
(46381)	15.2	44.02149	287.32849	149.87064	2.53047	0.1853775	2.3735723	32953
(46382)	14.0	128.41862	228.15145	118.14834	12.03220	0.2161457	2.4191776	32953
(46383)	15.0	182.12355	246.82354	48.81550	7.21764	0.1077471	2.3189059	32954
(46384)	15.5	339.54965	106.66094	59.65557	7.47499	0.0673273	2.3168667	32954
(46385)	14.1	204.33390	187.94169	85.63470	13.47651	0.1959826	2.4506785	32954
(46386)	15.8	106.74360	238.45593	146.64087	2.14664	0.1774283	2.2008699	32954
(46387)	14.4	36.99990	333.12158	137.16901	14.29012	0.1978045	2.5421253	32955
(46388)	15.6	356.89250	302.22947	178.09815	8.36689	0.0993072	2.4091831	32955
(46389)	14.9	270.11922	135.89950	76.07247	6.41886	0.0425223	2.5460238	32956
(46390)	15.3	50.28027	79.58819	16.43987	4.32907	0.1356050	2.2404947	32956
(46391)	15.7	221.40352	168.37826	84.86888	4.75160	0.0954476	2.3257455	32956
(46392)	15.4	302.71714	57.86746	136.26151	9.68238	0.2175847	2.3922300	32956
(46393)	15.6	84.75185	304.67189	110.88131	4.47070	0.1219504	2.2355507	32957
(46394)	14.8	100.55459	8.47938	39.87386	2.76052	0.1114300	2.2640965	32957
(46395)	15.1	148.27848	288.78384	77.91890	4.61163	0.1695504	2.1971594	32957
(46396)	14.7	155.88291	7.13639	9.65770	1.36247	0.0329894	2.8820499	32958
(46397)	16.2	262.42674	308.10861	350.59011	3.08443	0.1974696	2.2341209	32958
(46398)	15.0	242.62299	13.12200	303.76581	4.43425	0.1982061	2.4642036	32959
(46399)	15.1	186.37710	226.19070	120.17246	6.81215	0.0438904	2.7878687	32959
(46400)	15.8	242.59916	158.06413	149.45911	5.61547	0.1784128	2.5941087	32959
(46401)	15.5	167.14008	163.22834	208.79446	1.33023	0.0872912	2.8762016	32959
(46402)	15.6	325.97572	139.82348	117.72429	4.31634	0.1179099	2.3485918	32960
(46403)	15.6	320.41250	92.05389	166.66454	6.47737	0.0970942	2.4415337	32960
(46404)	14.6	77.27879	278.84521	195.30795	21.46990	0.0881466	2.6856058	32960
(46405)	15.1	246.82321	291.17678	3.69114	1.99621	0.0647955	2.6834221	32961
(46406)	16.3	288.37032	24.66738	251.12920	1.97282	0.1115973	2.5117385	32961
(46407)	15.4	13.69375	281.59128	265.46350	1.60494	0.0734610	2.6055642	32961
(46408)	15.3	1.97599	226.52998	337.47572	0.69050	0.2319319	2.6882814	32962
(46409)	13.4	330.04745	147.13591	81.59904	17.91559	0.0566456	3.0605976	32962
(46410)	15.3	338.63939	108.66433	119.97171	4.62644	0.1498967	2.4178390	32962
(46411)	14.5	40.29253	43.94221	142.23256	13.75012	0.1058338	2.5371731	32963
(46412)	14.3	278.46548	220.81937	96.50008	10.49381	0.0787690	3.1582928	32963
(46413)	14.7	221.93787	205.67363	158.48747	6.81417	0.1660057	2.4291265	32963
(46414)	14.0	123.68868	286.73667	144.49970	11.25391	0.0880154	2.9610887	32964
(46415)	15.4	179.55497	140.38272	235.65603	3.28336	0.0478439	2.5962102	32964
(46416)	15.5	222.03738	234.85908	115.01231	4.82815	0.1297694	2.5458591	32964
(46417)	15.2	9.72022	73.54835	148.79558	2.98151	0.1956103	3.0618190	32964
(46418)	15.1	327.17153	195.16180	87.88034	7.40014	0.2087752	2.2424032	32965
(46419)	16.4	337.24230	156.78587	102.16447	7.10531	0.1514027	2.2894300	32965
(46420)	15.6	284.03692	110.41377	217.23013	16.24419	0.2686489	2.5619800	32965
(46421)	15.4	355.73553	176.89400	65.05554	7.31542	0.0733950	2.3681279	32966
(46422)	14.9	22.45491	11.99362	191.44529	1.93710	0.1119172	2.2701845	32966
(46423)	15.9	351.62901	140.97867	102.60161	1.52760	0.1289516	2.1919991	32966
(46424)	14.2	173.24422	351.48988	66.81250	15.79181	0.0605463	2.6813380	32967
(46425)	14.8	149.28017	188.26712	227.28599	13.63815	0.1477681	2.5260663	32967
(46426)	15.5	311.39970	247.40119	50.10171	4.97513	0.1455774	2.3989387	32967
(46427)	14.4	289.62061	79.53241	253.78162	4.06954	0.1743997	3.1292166	32968
(46428)	15.4	54.56814	76.86394	92.02219	2.10880	0.1326558	2.5471829	32968
(46429)	16.4	278.17865	250.06372	81.33266	1.69475	0.1106639	2.2874667	32968
(46430)	16.3	292.74267	233.96297	91.81743	2.38645	0.1724540	2.2322473	32968
(46431)	14.2	327.55303	133.45237	151.61883	5.75497	0.1549773	3.1739880	32969
(46432)	15.4	342.62354	160.59926	104.33383	3.50727	0.1668265	2.6965275	32969
(46433)	15.1	275.25467	69.47685	269.34711	5.69137	0.2635564	2.2368012	32969
(46434)	13.9	198.92440	319.86073	80.43040	14.85221	0.1898968	2.6330321	32969
(46435)	15.2	6.14716	83.57791	152.86988	3.01520	0.1546241	2.5916585	32970
(46436)	12.9	333.99734	59.07441	272.52404	14.35333	0.3715478	2.8988847	32970
(46437)	15.4	314.08880	260.24386	83.31600	3.59883	0.2589469	2.3223500	32971
(46438)	15.7	308.45756	197.21174	110.73288	7.93209	0.1681449	2.2302957	32971
(46439)	14.2	313.32856	98.72435	240.72340	7.43900	0.2842859	2.5222881	32971
(46440)	14.8	213.41356	206.99281	180.62684	5.31846	0.0520989	2.3071904	32971
(46441)	13.8	281.94462	123.38330	275.73310	12.06615	0.1687421	2.6263966	32972
(46442)	12.7	16.72082	357.96339	275.15468	15.90030	0.1158736	3.2188069	32972
(46443)	13.9	299.59735	111.86736	246.08274	10.77142	0.1309780	2.7225350	32972
(46444)	15.4	20.72547	218.65699	227.49074	2.35069	0.1717882	2.3965912	32973
(46445)	15.8	8.48398	324.62904	335.95427	3.92534	0.1879554	2.3046580	32973
(46446)	15.9	333.70271	23.38344	299.83735	1.91329	0.1477928	2.6167892	32973
(46447)	15.3	249.84022	212.43858	225.21207	4.49763	0.2514761	2.6214647	32974
(46448)	14.5	86.51762	5.54147	165.93973	3.60345	0.1283339	2.4774061	32974
(46449)	15.1	100.27655	105.93627	301.76699	6.08484	0.1546077	2.2453245	32974
(46450)	14.8	301.42053	149.82373	247.37709	6.86089	0.2240424	2.7993132	32975
(46451)	14.2	309.61630	71.57593	315.58934	8.63491	0.1231251	3.0295569	32975
(46452)	13.9	14.50987	357.26247	293.96456	7.01883	0.1993442	2.7972687	32975
(46453)	14.3	324.23198	135.79322	205.69089	7.33274	0.2433284	2.8030438	32976
(46454)	15.8	313.74902	340.91716	355.47434	6.83588	0.2096987	2.4548985	32976
(46455)	14.6	126.69117	87.01212	219.82325	4.31950	0.1520802	2.7311786	32976
(46456)	13.7	53.66321	200.62734	186.49396	13.60695	0.1702451	2.5556292	32977
(46457)	13.9	296.29979	154.18322	204.54880	9.21781	0.0110139	3.0518837	32977
(46458)	16.2	355.24453	64.02846	211.91127	5.93091	0.1905861	2.4561259	32977
(46459)	14.8	288.39672	137.32258	176.15838	15.76404	0.0640754	3.0845385	32977
(46460)	15.8	341.09617	281.60565	12.76807	3.00932	0.1770691	2.3160245	32978
(46461)	14.5	269.95334	150.01424	198.94168	11.97738	0.1111631	2.8329469	32978
(46462)	15.2	341.53183	331.00131	316.82407	2.30003	0.1147433	2.6250136	32978
(46463)	15.7	17.61322	40.40119	206.65866	3.63380	0.1537176	2.1975240	32978
(46464)	16.5	282.17038	2.33834	11.66802	6.56536	0.1369854	2.1933137	32979
(46465)	14.9	169.56061	87.83267	18.69958	6.48046	0.1068006	2.4684244	32979
(46466)	14.7	132.23895	1.00800	159.99339	3.04394	0.1094802	2.3170705	32980

(46467)	14.8	10.16194	98.70042	181.70556	1.78733	0.0804503	3.0432321	32980
(46468)	15.6	212.03498	154.70662	31.09047	2.31644	0.0359719	2.7525831	32980
(46469)	14.8	34.03797	313.25360	74.28314	4.05632	0.1761357	2.4062900	32981
(46470)	13.1	127.78865	169.29786	4.12292	9.60843	0.0734844	3.0461182	32981
(46471)	12.9	238.68691	264.45234	187.88836	24.89782	0.2660383	3.1740104	32981
(46472)	14.2	271.24897	44.50494	71.20496	1.72378	0.1125897	3.1297809	32982
(46473)	15.7	6.60438	280.43663	354.89470	4.76550	0.1949190	2.4296499	32982
(46474)	15.1	8.76642	32.46151	246.90320	2.89003	0.1328537	2.4239930	32982
(46475)	14.1	246.68002	56.22017	351.83519	5.97719	0.0952354	2.4101409	32982
(46476)	15.8	160.39097	342.70960	138.14851	2.25446	0.1131077	2.2378367	32983
(46477)	16.1	16.00610	95.48977	146.77947	2.45743	0.1655692	2.4401017	32983
(46478)	14.7	55.44410	69.34707	300.67284	1.84201	0.0809602	2.7801717	32983
(46479)	15.4	339.94010	259.08218	44.85762	1.21835	0.1979811	2.3710890	32984
(46480)	14.5	224.16752	253.38166	187.29686	11.46656	0.1414054	2.6089360	32984
(46481)	15.1	204.93715	85.88879	303.45911	1.04782	0.0582111	2.6494160	32984
(46482)	14.5	39.55308	25.29053	188.12416	6.66355	0.2083294	2.9171231	32985
(46483)	15.1	90.20718	150.27437	198.33321	4.87170	0.0236276	2.7668295	32985
(46484)	15.4	357.65139	92.83900	186.28706	2.44717	0.1761333	2.3768625	32985
(46485)	14.6	288.31589	232.53312	163.50274	1.89714	0.1197873	2.8784313	32986
(46486)	14.9	268.99054	348.88041	32.92041	3.89902	0.1715075	2.6098206	32986
(46487)	14.6	30.60126	88.17157	170.01096	14.34078	0.0374239	2.6024581	32986
(46488)	15.0	287.37454	340.23758	66.07803	3.59146	0.1660978	2.5835110	32987
(46489)	15.2	337.77276	231.40647	68.43385	1.48151	0.1284623	2.6081873	32987
(46490)	15.5	189.95166	44.29866	56.46940	3.16793	0.1501411	2.3900851	32987
(46491)	13.3	85.89457	26.99135	260.52472	6.95951	0.1421683	3.1735838	32988
(46492)	14.9	211.92049	292.21432	273.25564	5.89550	0.1033646	2.2839994	32988
(46493)	13.4	117.03355	216.92500	323.30809	10.39357	0.0444086	2.9836622	32989
(46494)	14.9	267.46626	69.56812	347.56500	9.26055	0.0637266	2.6071876	32989
(46495)	14.2	349.28354	315.14084	339.57512	8.19775	0.0688083	2.9874225	32990
(46496)	13.4	271.19470	120.10564	264.36489	8.79042	0.0950652	2.9884726	32990
(46497)	15.0	70.91376	324.16249	247.12928	5.87663	0.0901693	2.3698449	32990
(46498)	15.4	16.12798	327.85888	255.02218	4.65547	0.1120544	2.1816882	32990
(46499)	16.4	357.38070	298.57161	333.49330	2.09125	0.1501433	2.3684629	32991
(46500)	14.8	109.73181	204.91756	313.39651	1.90941	0.1293052	2.3883801	32991
(46501)	14.6	147.19997	265.87655	245.61723	5.42119	0.0405617	2.3639854	32991
(46502)	16.3	311.38596	298.93987	36.41040	0.98317	0.1637898	2.1536181	32992
(46503)	16.2	241.29637	20.46713	39.50071	7.38831	0.1129312	2.3637764	32992
(46504)	14.6	276.80494	246.32758	41.55113	6.63816	0.1196381	2.4126800	32992
(46505)	15.1	352.92981	79.70464	188.55896	11.17952	0.1691776	2.6400409	32993
(46506)	16.4	329.74016	290.67703	8.61148	1.64316	0.2093846	2.1562425	32993
(46507)	16.4	315.71308	199.02544	189.53413	4.10299	0.2854002	2.5910759	32993
(46508)	14.7	6.30307	93.55718	195.21530	9.00462	0.0608682	2.9779037	32994
(46509)	16.0	355.81852	151.37207	134.37581	2.93748	0.1954783	2.3560380	32994
(46510)	15.4	237.99011	293.80410	125.32528	6.02088	0.0559525	2.3643967	32994
(46511)	14.3	256.89936	238.42013	164.39177	11.13280	0.0972002	2.9883963	32994

SUMMARY OF IDENTIFICATIONS

The following identifications are invalid:

1978 NP_4	= 1999 RX_{58}	*MPO* 14100
1995 GC_3	= 1996 VU_{21}	*MPC* 33249
1998 HD_{87}	= 1999 RT_{65}	*MPO* 12865
1998 QK_{107}	= 2000 AA_{247}	*MPO* 11506
1998 TW_7	= 2001 JF_5	*MPO* 14125
2000 BF_{49}	= 1997 LQ_7	*MPO* 4552
2000 DG_{44}	= 1997 TB_4	*MPO* 2384
2001 KB_{15}	= 1997 EP_{37}	*MPO* 13847

Further details, orbital elements and residuals for the identifications listed below are given in the *Minor Planet Circulars Orbit Supplement*.

1978 UC_6 = 1990 EF_4 = 1992 YD_5
1979 MA = 2002 LB_{32}
1979 ME_3 = 1979 OO_{11} = 2002 PO_{27}
1979 MS_7 = 2002 PF_{56}
1979 QH_2 = 1993 RZ_{18} = 2000 EG_{192}
1981 EP_{21} = 2002 OZ_{22}
1988 NA = 2002 MR_1
1991 GC = 2002 PV_{130}
1991 RG_1 = 2002 PG_{84}
1991 TW_4 = 2002 OY_3
1992 HG_5 = 2002 BH_{30}
1992 SW_{18} = 1998 BE_{36}
1993 FU_{18} = 1999 JS_{109} = 2001 TQ_{199}
1993 FB_{25} = 1999 FP_{61}
1993 FW_{69} = 1998 SJ_{37}
1993 OL_8 = 2002 LZ_{26}
1993 OT_{12} = 2002 NA_9
1993 QL_8 = 2002 PL_{85}
1993 RM_2 = 2002 FY_{39}
1993 RU_9 = 2002 EX_{38}
1993 RU_{10} = 1999 XN_{260} = 2002 JD_{56}
1993 TA_{17} = 2002 NT_{29}
1993 TJ_{25} = 2002 JP_{141}
1993 TT_{32} = 2002 NH_{30}
1994 PU_{12} = 1994 PT_{30} = 2002 NU_{33}
1994 RB_{13} = 2002 PJ_{36}
1994 WL_4 = 2002 PY_{130}
1995 CE_3 = 2002 NC_{35}
1995 DH_1 = 1999 CS_{159}
1995 EX_1 = 2001 XA_{244}
1995 FG_4 = 2002 PL_4
1995 FX_{11} = 2002 PA_{109}
1995 FY_{11} = 2001 YD_{151}
1995 LF = 2002 GH_8
1995 LQ = 1999 VX_{163} = 2002 NR_{10}
1995 MY_4 = 2002 NT_{17}
1995 QA_4 = 2002 NG_{16}
1995 QZ_4 = 2002 QZ_2
1995 SN_{11} = 2002 PU_{46}
1995 SS_{49} = 2002 PL_{108}
1995 SY_{51} = 2002 NU_{15}
1995 SH_{79} = 1999 RX_{249}
1995 TY_1 = 2002 PR_{84}

1995 $TY_{6} = 2002\ NK_{15}$
1995 $TY_{7} = 2001\ FX_{194} = 2002\ PU_{97}$
1995 $TE_{9} = 2002\ PP_{3}$
1995 $UU_{10} = 2002\ NP_{49}$
1995 $UC_{11} = 2002\ NL_{52}$
1995 $US_{14} = 2002\ PB_{83}$
1995 $UN_{24} = 2002\ PG_{90}$
1995 $UE_{59} = 2002\ NJ_{42}$
1995 $VY_{7} = 2002\ GT_{67}$
1995 $VA_{12} = 2002\ NM_{52}$
1995 $WL_{25} = 2000\ AF_{224}$
1995 $YD_{5} = 2002\ PV_{52}$
1996 $BV_{15} = 2002\ OJ_{3}$
1996 $GS_{6} = 2002\ PL_{8}$
1996 $OZ = 2000\ OF_{22}$
1996 $OK_{1} = 2002\ NC_{26}$
1996 $RE_{16} = 2002\ GQ_{169}$
1996 $RO_{32} = 1996\ UO_{5}$
1996 $TM_{39} = 2002\ GC_{172}$
1996 $TX_{50} = 1999\ OZ_{4}$
1996 $WH = 2001\ TA_{237}$
1997 $CA_{11} = 2002\ NH_{5}$
1997 $EV_{3} = 2002\ PG_{86}$
1997 $EG_{25} = 2002\ PC_{98}$
1997 $EV_{36} = 2001\ BC_{82} = 2002\ JN_{108}$
1997 $GA_{12} = 2002\ PD_{10}$
1997 $GW_{18} = 2002\ PR_{32}$
1997 $GG_{27} = 2002\ PD_{45}$
1997 $GZ_{35} = 1997\ HO_{13}$
1997 $JN_{11} = 2002\ NS_{47}$
1997 $LY_{4} = 2000\ YQ_{134} = 2002\ OL$
1997 $MZ_{7} = 2002\ PQ_{26}$
1997 $MU_{8} = 2002\ PM_{119}$
1997 $NH_{2} = 2002\ PV_{109}$
1997 $RW_{1} = 2002\ PJ_{94}$
1997 $SO_{2} = 1996\ KJ_{6} = 2002\ NM_{51}$
1997 $SZ_{30} = 1996\ KH_{4} = 2002\ OZ_{2}$
1997 $UR_{20} = 2002\ PY_{119}$
1997 $VS_{2} = 2002\ NP_{11}$
1997 $WZ_{10} = 2002\ PH_{60}$
1997 $WC_{22} = 2002\ PH_{118}$
1997 $WH_{22} = 2002\ PW_{89}$
1997 $YQ_{2} = 2002\ OG_{2}$
1998 $BS_{3} = 2001\ WD_{86}$
1998 $BU_{9} = 2001\ QG_{154}$
1998 $BV_{14} = 2002\ PZ_{99}$
1998 $CC = 2002\ PK_{77}$
1998 $DN = 2001\ UZ_{213}$
1998 $DX_{13} = 2000\ WM_{195} = 2002\ JB_{83}$
1998 $DE_{18} = 2002\ JJ_{79}$
1998 $EX_{9} = 2002\ PA_{35}$
1998 $FV = 1995\ OK_{17} = 2002\ LC_{17}$
1998 $FB_{41} = 2002\ OW_{9}$
1998 $FX_{52} = 2002\ NS_{21}$
1998 $FA_{125} = 2002\ OL_{4}$
1998 $FU_{132} = 2002\ GZ_{159} = 2002\ GN_{166}$
1998 $FA_{140} = 2002\ PP_{13}$
1998 $FB_{147} = 1998\ HH_{57} = 2002\ QK_{5}$
1998 $HZ_{4} = 2002\ PJ_{77}$
1998 $HS_{10} = 2002\ PB_{98}$
1998 $HQ_{21} = 2000\ WB_{91} = 2002\ JV_{147}$
1998 $HN_{93} = 2002\ PX_{122}$
1998 $HO_{147} = 2002\ GV_{170}$
1998 $JG_{4} = 2002\ NO_{10}$
1998 $KY_{3} = 2002\ QJ$
1998 $KU_{8} = 2002\ NH_{8}$
1998 $KT_{33} = 2002\ NQ_{44}$
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1998 $OX_{4} = 2002\ PJ_{34}$
1998 $OR_{5} = 2002\ PN_{13}$
1998 $OB_{7} = 2002\ PD_{37}$
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1998 $OK_{14} = 2002\ LD_{53}$
1998 $QJ_{3} = 2002\ PE_{71}$
1998 $QT_{4} = 2002\ OB_{10}$
1998 $QV_{4} = 2002\ PZ_{81}$
1998 $QZ_{5} = 2002\ PU_{50}$
1998 $QR_{6} = 2002\ PU_{58}$
1998 $QT_{15} = 2002\ ND_{26}$
1998 $QV_{18} = 2002\ NP_{8}$
1998 $QE_{19} = 2002\ NG_{20}$
1998 $QZ_{21} = 2002\ NW_{23}$
1998 $QP_{26} = 2002\ NK_{41}$
1998 $QS_{28} = 2002\ NX_{1}$
1998 $QE_{30} = 2002\ OJ_{1}$
1998 $QS_{30} = 2002\ NY_{17}$
1998 $QD_{33} = 2002\ PJ_{17}$
1998 $QF_{33} = 2002\ NC_{44}$
1998 $QK_{35} = 2002\ NC_{8}$
1998 $QA_{40} = 2002\ PZ_{43}$
1998 $QM_{43} = 2002\ PU_{125}$
1998 $QW_{44} = 2002\ OR_{21}$
1998 $QY_{46} = 2002\ PC_{126}$
1998 $QK_{47} = 2002\ PR_{37}$
1998 $QX_{52} = 1990\ UO_{9} = 2002\ PP_{69}$
1998 $QD_{59} = 2002\ OL_{10}$
1998 $QO_{61} = 2002\ PK_{97}$
1998 $QA_{70} = 1999\ XA_{82}$
1998 $QJ_{74} = 2001\ ES_{21}$
1998 $QV_{75} = 2002\ PQ_{69}$
1998 $QZ_{76} = 2002\ OD_{1}$
1998 $QK_{81} = 2002\ PP_{131}$
1998 $QY_{82} = 2002\ OH_{20}$
1998 $QY_{83} = 2002\ LQ_{58}$

1998 QX_{84} = 2002 NW_{38}
1998 QF_{86} = 2002 NT_{56}
1998 QQ_{86} = 2002 PN_{39}
1998 QP_{87} = 2002 NQ_{34}
1998 QD_{91} = 2002 PL_{71}
1998 QU_{94} = 2002 OO_{1}
1998 QY_{96} = 2002 NS_{27}
1998 QE_{107} = 2002 OT_{15}
1998 QE_{111} = 2002 NO_{38}
1998 RY = 2002 NL_{26}
1998 RZ_{3} = 2002 PD_{59}
1998 RS_{4} = 2002 OC_{14}
1998 RL_{11} = 2002 PX_{99}
1998 RR_{12} = 2002 PG_{6}
1998 RX_{16} = 2002 NW_{22}
1998 RA_{23} = 2002 PD_{76}
1998 RN_{26} = 2002 PW_{87}
1998 RA_{32} = 2002 NA_{13}
1998 RC_{32} = 1979 QG_{4}
1998 RV_{32} = 1980 BD_{2} = 2002 PH_{59}
1998 RH_{37} = 2002 PO_{19}
1998 RE_{39} = 2000 EA_{84}
1998 RG_{40} = 2002 NK_{47}
1998 RU_{40} = 2000 CD_{147}
1998 RY_{40} = 2002 PJ_{56}
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1998 RC_{43} = 2002 PN_{132}
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1998 RO_{47} = 2002 NW_{5}
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1998 RN_{51} = 2002 NC_{14}
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1998 RK_{60} = 2002 PF_{86}
1998 RQ_{60} = 2002 NP_{19}
1998 RR_{62} = 2002 PQ_{55}
1998 RQ_{69} = 2002 PV_{51}
1998 RX_{70} = 2002 PS_{67}
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2002 PX_{63} = 1998 QU_{109}
2002 PL_{65} = 1994 RO_{24}
2002 PW_{65} = 2000 AD_{160}
2002 PU_{67} = 2000 AY_{112}
2002 PK_{68} = 2000 AK_{17}
2002 PN_{68} = 1997 SM_{32}
2002 PN_{70} = 1998 QQ_{95}
2002 PJ_{74} = 4337 P-L
2002 PR_{77} = 1998 SL_{170}
2002 PP_{81} = 2001 FT_{194}
2002 PS_{81} = 2000 CC_{134}
2002 PV_{81} = 1998 XD_{34}
2002 PW_{81} = 1995 UM_{7} = 1998 KY_{31}
2002 PK_{82} = 1988 VE_{6} = 2000 AB_{40}
2002 PH_{83} = 1998 HF_{6}
2002 PJ_{83} = 2001 FM_{139}
2002 PQ_{83} = 1998 YQ_{23}
2002 PX_{87} = 2000 DX_{45}
2002 PB_{88} = 1999 UX_{3}
2002 PL_{94} = 1995 YS_{13}
2002 PW_{95} = 1995 OQ_{7}

2002 PJ_{102} = 1999 VY_{105}
2002 PC_{103} = 2000 AV_{111}
2002 PX_{109} = 1999 WK_{20}
2118 P-L = 1994 VS_5
2701 P-L = 2002 NR_{31}
3028 P-L = 1997 NN_6 = 2002 NE_{26}
3536 P-L = 2002 PY_{84}
4170 P-L = 2002 NT_{44}
6814 P-L = 2002 GN_{168}
2109 T-2 = 2001 RV_{147}
2227 T-2 = 2002 ES_{23}
3018 T-2 = 2002 PQ
3075 T-2 = 2000 WG_{153} = 2002 JQ_{146}
3104 T-2 = 2002 PE_{76}
3112 T-2 = 1998 RM_{40}
3299 T-2 = 1996 TX_{66}
4080 T-2 = 2002 PL_{86}
5076 T-2 = 2002 OF_{20}
1056 T-3 = 2002 NT_{25}
1063 T-3 = 2002 NN_{14}
1229 T-3 = 2002 PT_{59}
2007 T-3 = 2002 PZ_{88}
2304 T-3 = 2002 PH_{72}
4047 T-3 = 2002 NA_{43}
5628 T-3 = 2002 JT_{110}

EPHEMERIDES

C/2002 O7 (LINEAR)

Elements *MPC* 46336

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 08 14	14 22.64	+43 33.0	5.562	5.254	67.3	10.2	17.4	
2002 08 24	14 23.10	+41 40.7	5.545	5.157	62.5	10.0	17.3	
2002 09 03	14 24.90	+39 50.2	5.519	5.059	58.1	9.7	17.2	
2002 09 13	14 27.85	+38 03.1	5.484	4.960	54.1	9.5	17.2	
2002 09 23	14 31.80	+36 20.7	5.435	4.861	50.6	9.2	17.0	
2002 10 03	14 36.58	+34 44.3	5.373	4.761	47.9	9.0	16.9	
2002 10 13	14 42.09	+33 14.8	5.295	4.660	46.1	8.9	16.8	
2002 10 23	14 48.16	+31 53.2	5.201	4.558	45.4	8.9	16.7	
2002 11 02	14 54.69	+30 40.5	5.091	4.455	45.7	9.2	16.5	
2002 11 12	15 01.55	+29 37.4	4.963	4.352	47.2	9.6	16.4	
2002 11 22	15 08.62	+28 45.0	4.818	4.247	49.8	10.2	16.2	
2002 12 02	15 15.78	+28 04.1	4.656	4.141	53.2	11.0	16.0	
2002 12 12	15 22.87	+27 35.8	4.478	4.035	57.5	11.9	15.8	
2002 12 22	15 29.73	+27 21.0	4.286	3.927	62.4	12.8	15.6	
2003 01 01	15 36.19	+27 20.9	4.081	3.819	67.8	13.8	15.4	
2003 01 11	15 42.02	+27 36.8	3.864	3.709	73.7	14.7	15.1	
2003 01 21	15 46.95	+28 09.8	3.639	3.598	79.9	15.6	14.9	
2003 01 31	15 50.65	+29 01.1	3.407	3.486	86.4	16.4	14.6	
2003 02 10	15 52.69	+30 12.1	3.173	3.373	93.1	17.0	14.3	
2003 02 20	15 52.50	+31 43.2	2.940	3.259	99.9	17.4	14.0	
2003 03 02	15 49.37	+33 34.1	2.712	3.143	106.7	17.6	13.6	
2003 03 12	15 42.34	+35 42.7	2.494	3.026	113.2	17.6	13.3	
2003 03 22	15 30.26	+38 02.7	2.292	2.908	118.9	17.4	12.9	
2003 04 01	15 11.84	+40 22.3	2.111	2.788	123.4	17.4	12.6	
2003 04 11	14 46.06	+42 20.6	1.957	2.667	125.6	17.8	12.2	
2003 04 21	14 13.07	+43 28.9	1.835	2.545	124.7	18.9	11.9	
2003 05 01	13 35.14	+43 17.7	1.749	2.421	120.4	21.0	11.6	
2003 05 11	12 56.63	+41 30.0	1.701	2.296	113.3	23.8	11.3	
2003 05 21	12 22.08	+38 13.2	1.687	2.169	104.1	26.9	11.0	
2003 05 31	11 54.08	+33 52.2	1.702	2.042	94.0	29.7	10.8	
2003 06 10	11 33.00	+28 56.0	1.738	1.913	83.6	31.8	10.5	
2003 06 20	11 17.91	+23 46.8	1.785	1.784	73.4	33.1	10.3	
2003 06 30	11 07.51	+18 36.9	1.836	1.655	63.5	33.4	10.0	
2003 07 10	11 00.58	+13 30.7	1.882	1.526	54.1	32.6	9.7	
2003 07 20	10 56.08	+08 28.0	1.916	1.400	45.2	31.0	9.4	
2003 07 30	10 53.20	+03 25.3	1.933	1.278	37.0	28.6	9.0	

P/2002 O5 (NEAT)

Elements *MPC* 46336

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 08 14	17 02.09	+07 22.1	0.360	1.182	109.2	54.1	17.5	
2002 08 24	17 39.25	+13 27.2	0.405	1.201	108.3	53.0	17.8	
2002 09 03	18 15.01	+17 31.4	0.460	1.233	108.2	51.0	18.2	
2002 09 13	18 49.35	+19 59.3	0.523	1.274	108.7	48.4	18.6	
2002 09 23	19 22.29	+21 17.0	0.594	1.324	109.3	45.7	19.1	
2002 10 03	19 53.86	+21 46.3	0.673	1.381	109.7	43.0	19.5	
2002 10 13	20 24.15	+21 44.7	0.761	1.444	109.6	40.6	20.0	
2002 10 23	20 53.19	+21 27.0	0.860	1.510	108.8	38.6	20.5	
2002 11 02	21 20.97	+21 03.4	0.969	1.580	107.3	36.8	20.9	
2002 11 12	21 47.56	+20 41.3	1.090	1.652	105.1	35.3	21.4	
2002 11 22	22 13.01	+20 25.9	1.222	1.726	102.2	34.0	21.8	

C/2002 O4 (Hönig)

Elements *MPC* 46409

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 08 14	21 04.6	+76 11.5	0.655	1.199	89.2	57.7	9.4	
2002 08 24	14 49.8	+75 13.2	0.727	1.071	74.0	65.2	9.1	
2002 09 03	13 21.65	+61 42.5	0.853	0.954	61.0	67.6	9.0	
2002 09 13	12 55.27	+50 49.7	1.000	0.859	50.7	65.1	8.8	
2002 09 23	12 40.96	+41 57.8	1.142	0.795	42.9	59.2	8.8	
2002 10 03	12 31.26	+34 02.6	1.265	0.776	37.9	52.3	8.9	
2002 10 13	12 24.60	+26 30.6	1.358	0.805	36.0	46.8	9.2	
2002 10 23	12 20.23	+19 12.0	1.421	0.875	37.5	43.8	9.7	
2002 11 02	12 17.29	+12 05.3	1.454	0.976	41.9	42.8	10.2	
2002 11 12	12 14.68	+05 09.0	1.465	1.095	48.4	42.5	10.7	
2002 11 22	12 11.32	−01 40.0	1.458	1.225	56.2	42.1	11.2	
2002 12 02	12 06.14	−08 24.8	1.441	1.360	65.0	41.1	11.6	
2002 12 12	11 57.95	−15 06.0	1.420	1.498	74.6	39.3	12.0	
2002 12 22	11 45.54	−21 38.6	1.403	1.636	84.6	36.8	12.4	
2003 01 01	11 27.71	−27 49.9	1.396	1.773	94.8	33.6	12.7	
2003 01 11	11 03.63	−33 17.8	1.408	1.909	104.6	29.9	13.1	
2003 01 21	10 33.68	−37 34.4	1.445	2.044	113.3	26.2	13.4	
2003 01 31	10 00.10	−40 17.2	1.510	2.177	120.0	23.1	13.8	
2003 02 10	09 26.76	−41 20.4	1.606	2.309	124.1	20.7	14.2	
2003 02 20	08 57.54	−40 59.8	1.732	2.438	125.1	19.4	14.6	
2003 03 02	08 34.60	−39 43.0	1.883	2.566	123.4	18.8	15.0	
2003 03 12	08 18.35	−37 57.1	2.056	2.692	119.8	18.7	15.4	
2003 03 22	08 08.02	−36 03.1	2.247	2.816	115.0	18.7	15.8	

2003 04 01	08 02.49	−34 13.6	2.451	2.939	109.5	18.7	16.1
2003 04 11	08 00.73	−32 35.7	2.664	3.060	103.7	18.6	16.5
2003 04 21	08 01.85	−31 13.1	2.883	3.179	97.8	18.2	16.8
2003 05 01	08 05.14	−30 06.8	3.105	3.297	92.0	17.8	17.1
2003 05 11	08 10.09	−29 16.9	3.327	3.413	86.3	17.2	17.4
2003 05 21	08 16.27	−28 43.0	3.547	3.528	80.8	16.4	17.7

C/2002 P1 (NEAT) Elements *MPC* 46336

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 08 14	21 13.31	−09 39.8	6.161	7.168	173.1	1.0	18.5	
2002 08 24	21 09.20	−09 28.5	6.209	7.190	164.7	2.1	18.5	
2002 09 03	21 05.46	−09 17.8	6.286	7.212	154.8	3.4	18.6	
2002 09 13	21 02.27	−09 07.1	6.391	7.235	144.6	4.6	18.6	
2002 09 23	20 59.80	−08 55.8	6.519	7.258	134.5	5.7	18.7	
2002 10 03	20 58.15	−08 43.3	6.668	7.281	124.5	6.5	18.7	
2002 10 13	20 57.38	−08 29.0	6.833	7.305	114.6	7.1	18.8	
2002 10 23	20 57.52	−08 12.7	7.011	7.330	104.9	7.5	18.9	
2002 11 02	20 58.55	−07 53.8	7.195	7.355	95.4	7.7	19.0	
2002 11 12	21 00.43	−07 32.1	7.383	7.380	86.0	7.7	19.0	
2002 11 22	21 03.08	−07 07.4	7.569	7.406	76.8	7.5	19.1	
2002 12 02	21 06.43	−06 39.5	7.749	7.433	67.8	7.1	19.2	
2002 12 12	21 10.39	−06 08.5	7.920	7.459	58.9	6.5	19.2	
2002 12 22	21 14.86	−05 34.2	8.078	7.487	50.2	5.8	19.3	
2003 01 01	21 19.74	−04 56.7	8.220	7.514	41.7	5.0	19.3	
2003 01 11	21 24.95	−04 16.2	8.344	7.542	33.4	4.1	19.4	

P/2002 O8 (NEAT) Elements *MPC* 46336

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 08 14	21 20.68	−32 17.6	2.278	3.256	162.0	5.5	14.9	
2002 08 24	21 13.88	−32 47.6	2.318	3.262	154.8	7.6	15.0	
2002 09 03	21 08.10	−33 01.0	2.384	3.268	145.8	10.0	15.0	
2002 09 13	21 03.96	−32 58.0	2.471	3.275	136.4	12.2	15.1	
2002 09 23	21 01.86	−32 40.3	2.577	3.282	127.1	14.1	15.2	
2002 10 03	21 01.94	−32 10.1	2.699	3.289	118.0	15.6	15.3	
2002 10 13	21 04.19	−31 29.5	2.832	3.298	109.2	16.6	15.4	
2002 10 23	21 08.47	−30 40.4	2.973	3.306	100.7	17.2	15.6	
2002 11 02	21 14.54	−29 44.4	3.119	3.315	92.6	17.4	15.7	
2002 11 12	21 22.17	−28 42.3	3.267	3.325	84.7	17.2	15.8	
2002 11 22	21 31.11	−27 35.1	3.414	3.335	77.1	16.8	15.9	
2002 12 02	21 41.14	−26 23.4	3.558	3.345	69.7	16.0	16.0	
2002 12 12	21 52.04	−25 07.7	3.696	3.356	62.5	15.1	16.1	
2002 12 22	22 03.64	−23 48.5	3.827	3.368	55.4	13.9	16.2	
2003 01 01	22 15.77	−22 26.3	3.949	3.379	48.6	12.6	16.3	
2003 01 11	22 28.30	−21 01.6	4.060	3.391	41.8	11.2	16.3	
2003 01 21	22 41.12	−19 34.9	4.159	3.404	35.3	9.6	16.4	

C/2002 O6 (SWAN) Elements *MPC* 46336

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 08 14	07 20.64	+30 09.2	0.293	0.789	34.3	133.6	6.3	
2002 08 24	09 41.01	+40 41.0	0.499	0.631	30.2	126.4	6.5	
2002 09 03	10 40.60	+38 04.4	0.778	0.519	30.4	100.2	6.6	
2002 09 13	11 06.61	+31 29.7	1.068	0.502	27.8	69.2	7.1	
2002 09 23	11 22.25	+23 35.9	1.320	0.593	25.2	46.0	8.3	
2002 10 03	11 34.73	+16 11.9	1.517	0.742	25.0	34.7	9.6	
2002 10 13	11 45.48	+09 45.2	1.668	0.910	27.6	30.6	10.7	
2002 10 23	11 54.73	+04 08.8	1.783	1.083	32.4	29.5	11.6	
2002 11 02	12 02.52	−00 49.4	1.869	1.254	38.5	29.5	12.3	
2002 11 12	12 08.71	−05 18.8	1.929	1.421	45.4	29.7	13.0	
2002 11 22	12 13.09	−09 26.4	1.966	1.583	53.1	29.9	13.5	
2002 12 02	12 15.39	−13 17.1	1.986	1.742	61.3	29.8	13.9	
2002 12 12	12 15.24	−16 53.5	1.990	1.896	70.1	29.2	14.3	
2002 12 22	12 12.22	−20 15.9	1.985	2.046	79.3	28.2	14.6	
2003 01 01	12 05.91	−23 22.8	1.974	2.192	89.1	26.7	14.9	
2003 01 11	11 55.98	−26 09.4	1.966	2.335	99.2	24.6	15.2	
2003 01 21	11 42.35	−28 28.6	1.965	2.475	109.5	22.0	15.4	
2003 01 31	11 25.43	−30 12.2	1.979	2.612	119.7	19.1	15.7	
2003 02 10	11 06.20	−31 12.6	2.015	2.746	129.0	16.2	15.9	
2003 02 20	10 46.21	−31 26.9	2.078	2.877	136.6	13.7	16.2	
2003 03 02	10 27.16	−30 58.7	2.170	3.007	141.2	11.9	16.5	
2003 03 12	10 10.49	−29 57.3	2.292	3.134	141.8	11.3	16.8	
2003 03 22	09 57.05	−28 35.5	2.444	3.259	138.7	11.6	17.1	
2003 04 01	09 47.10	−27 05.2	2.621	3.382	133.0	12.5	17.4	
2003 04 11	09 40.48	−25 35.9	2.821	3.503	125.9	13.4	17.7	
2003 04 21	09 36.81	−24 14.2	3.039	3.623	118.2	14.1	18.0	
2003 05 01	09 35.62	−23 03.7	3.270	3.741	110.3	14.6	18.3	
2003 05 11	09 36.48	−22 06.4	3.510	3.857	102.6	14.8	18.6	
2003 05 21	09 38.98	−21 22.7	3.755	3.972	94.9	14.7	18.9	

C/2001 W2 (BATTERS) Elements *MPC* 44504

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 09 13	11 26.24	−56 51.8	3.995	3.613	60.8	14.1	19.6	
2002 09 23	11 36.79	−57 14.6	4.154	3.713	57.5	13.2	19.8	
2002 10 03	11 46.58	−57 51.9	4.298	3.812	54.9	12.4	20.0	
2002 10 13	11 55.55	−58 42.4	4.426	3.910	53.1	11.8	20.2	
2002 10 23	12 03.57	−59 44.2	4.537	4.007	52.3	11.3	20.3	
2002 11 02	12 10.46	−60 56.2	4.631	4.103	52.5	11.1	20.5	
2002 11 12	12 15.96	−62 16.9	4.708	4.198	53.7	11.0	20.6	
2002 11 22	12 19.73	−63 44.9	4.768	4.293	55.9	11.0	20.7	
2002 12 02	12 21.30	−65 18.4	4.814	4.386	58.9	11.1	20.8	
2002 12 12	12 20.07	−66 55.5	4.847	4.479	62.6	11.3	20.9	
2002 12 22	12 15.24	−68 32.8	4.867	4.571	66.9	11.4	21.0	

C/1999 T3 (LINEAR) Elements *MPC* 41897

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 09 13	06 53.0	−80 12.7	7.476	7.547	90.2	7.7	19.1	
2002 09 23	07 15.4	−81 40.0	7.574	7.594	87.4	7.6	19.2	
2002 10 03	07 39.3	−83 04.3	7.676	7.642	84.3	7.5	19.3	
2002 10 13	08 05.4	−84 25.1	7.781	7.690	81.1	7.4	19.3	
2002 10 23	08 35	−85 41.7	7.885	7.738	77.9	7.2	19.4	
2002 11 02	09 12	−86 53.5	7.988	7.787	74.8	7.1	19.4	
2002 11 12	10 07	−87 59.1	8.086	7.835	71.9	6.9	19.5	
2002 11 22	11 57	−88 53.2	8.178	7.884	69.4	6.7	19.5	
2002 12 02	16 17	−89 10.2	8.262	7.933	67.3	6.6	19.6	
2002 12 12	19 16	−88 36.6	8.336	7.982	65.8	6.5	19.6	
2002 12 22	20 29	−87 52.8	8.399	8.031	64.9	6.4	19.7	
2003 01 01	21 14	−87 10.9	8.452	8.081	64.7	6.3	19.7	
2003 01 11	21 49	−86 33.5	8.492	8.130	65.3	6.3	19.7	

2003 01 21	22 20	−86 01.3	8.521	8.180	66.6	6.3	19.8
2003 01 31	22 49	−85 34.7	8.538	8.230	68.6	6.4	19.8
2003 02 10	23 18	−85 13.8	8.546	8.280	71.2	6.5	19.8
2003 02 20	23 47.3	−84 58.7	8.544	8.330	74.3	6.6	19.9
2003 03 02	00 18.0	−84 49.0	8.535	8.380	77.7	6.6	19.9
2003 03 12	00 50.7	−84 44.4	8.520	8.431	81.5	6.7	19.9
2003 03 22	01 26.2	−84 44.0	8.502	8.481	85.4	6.7	19.9
2003 04 01	02 05.2	−84 46.5	8.483	8.532	89.4	6.7	20.0
2003 04 11	02 48.5	−84 50.2	8.466	8.582	93.3	6.7	20.0
2003 04 21	03 36.3	−84 52.7	8.453	8.633	97.0	6.6	20.0
2003 05 01	04 28.3	−84 51.2	8.446	8.684	100.4	6.6	20.0
2003 05 11	05 22.9	−84 43.3	8.448	8.735	103.3	6.5	20.0

C/2000 OF$_8$ (Spacewatch) Elements *MPC* 43018

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 09 13	08 54.79	+13 48.0	5.541	4.787	37.9	7.4	20.0	
2002 09 23	08 57.02	+13 55.6	5.496	4.869	47.1	8.7	20.1	
2002 10 03	08 58.41	+14 06.3	5.431	4.952	56.6	9.7	20.1	
2002 10 13	08 58.80	+14 21.3	5.349	5.034	66.5	10.5	20.2	
2002 10 23	08 58.02	+14 41.5	5.253	5.116	76.7	10.9	20.2	
2002 11 02	08 55.94	+15 07.6	5.151	5.198	87.2	11.0	20.2	
2002 11 12	08 52.42	+15 40.2	5.047	5.280	98.2	10.7	20.2	
2002 11 22	08 47.37	+16 19.6	4.949	5.362	109.6	10.0	20.3	
2002 12 02	08 40.75	+17 05.3	4.863	5.444	121.5	8.9	20.3	
2002 12 12	08 32.61	+17 56.3	4.798	5.525	133.7	7.4	20.3	
2002 12 22	08 23.15	+18 51.1	4.761	5.606	146.3	5.6	20.4	
2003 01 01	08 12.66	+19 47.3	4.757	5.687	159.1	3.5	20.4	
2003 01 11	08 01.58	+20 42.5	4.792	5.768	172.0	1.4	20.5	
2003 01 21	07 50.41	+21 34.2	4.867	5.848	175.0	0.8	20.6	
2003 01 31	07 39.68	+22 20.9	4.982	5.928	162.3	2.9	20.7	
2003 02 10	07 29.83	+23 01.4	5.135	6.008	149.8	4.7	20.8	
2003 02 20	07 21.23	+23 35.6	5.321	6.088	137.6	6.3	21.0	

C/2001 B2 (NEAT) Elements *MPC* 44182

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 09 13	09 34.75	+19 18.4	8.381	7.532	30.6	3.9	17.4	
2002 09 23	09 37.11	+19 26.6	8.324	7.580	39.8	4.9	17.4	
2002 10 03	09 39.01	+19 38.2	8.245	7.629	49.2	5.7	17.4	
2002 10 13	09 40.36	+19 53.7	8.146	7.677	58.8	6.4	17.4	
2002 10 23	09 41.03	+20 13.7	8.032	7.726	68.7	6.9	17.4	
2002 11 02	09 40.93	+20 38.8	7.908	7.775	78.8	7.2	17.4	
2002 11 12	09 39.95	+21 09.3	7.777	7.825	89.1	7.3	17.4	
2002 11 22	09 38.02	+21 45.1	7.647	7.874	99.7	7.1	17.4	
2002 12 02	09 35.07	+22 26.2	7.522	7.924	110.6	6.7	17.4	
2002 12 12	09 31.07	+23 12.0	7.411	7.973	121.7	6.0	17.4	
2002 12 22	09 26.06	+24 01.4	7.320	8.023	133.0	5.1	17.4	
2003 01 01	09 20.11	+24 53.0	7.253	8.073	144.4	4.1	17.4	
2003 01 11	09 13.36	+25 45.1	7.217	8.123	155.6	2.9	17.4	
2003 01 21	09 06.04	+26 35.8	7.216	8.174	165.7	1.7	17.4	
2003 01 31	08 58.40	+27 23.4	7.252	8.224	170.1	1.2	17.5	
2003 02 10	08 50.75	+28 06.3	7.324	8.274	163.3	2.0	17.5	
2003 02 20	08 43.37	+28 43.4	7.433	8.325	152.9	3.1	17.6	
2003 03 02	08 36.55	+29 14.4	7.574	8.376	141.9	4.2	17.6	
2003 03 12	08 30.50	+29 39.0	7.743	8.427	130.8	5.1	17.7	
2003 03 22	08 25.37	+29 57.8	7.936	8.478	120.0	5.8	17.8	
2003 04 01	08 21.26	+30 11.3	8.145	8.529	109.4	6.3	17.9	
2003 04 11	08 18.18	+30 20.4	8.366	8.580	99.0	6.6	17.9	
2003 04 21	08 16.13	+30 25.9	8.591	8.631	88.9	6.7	18.0	
2003 05 01	08 15.03	+30 28.4	8.816	8.683	79.1	6.5	18.1	
2003 05 11	08 14.82	+30 28.8	9.035	8.734	69.6	6.2	18.2	
2003 05 21	08 15.38	+30 27.5	9.244	8.786	60.2	5.7	18.3	
2003 05 31	08 16.62	+30 25.2	9.438	8.837	51.1	5.1	18.3	
2003 06 10	08 18.42	+30 22.2	9.614	8.889	42.3	4.4	18.4	
2003 06 20	08 20.69	+30 19.1	9.769	8.941	33.6	3.6	18.5	

C/2002 A2 (LINEAR) Elements *MPC* 44861

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 09 13	09 43.01	+23 52.9	5.904	5.071	31.3	5.9		18.8
2002 09 23	09 52.77	+23 22.9	5.843	5.096	38.5	7.0		18.9
2002 10 03	10 02.03	+22 55.9	5.767	5.121	45.9	8.1		18.9
2002 10 13	10 10.72	+22 32.6	5.677	5.147	53.6	9.0		18.9
2002 10 23	10 18.73	+22 13.9	5.575	5.174	61.5	9.7		18.9
2002 11 02	10 25.98	+22 00.7	5.463	5.202	69.7	10.3		18.9
2002 11 12	10 32.37	+21 53.7	5.344	5.230	78.1	10.7		18.9
2002 11 22	10 37.79	+21 53.7	5.220	5.258	86.8	10.8		18.9
2002 12 02	10 42.14	+22 00.9	5.096	5.287	95.8	10.7		18.8
2002 12 12	10 45.32	+22 15.8	4.976	5.317	105.0	10.3		18.8
2002 12 22	10 47.26	+22 38.0	4.862	5.347	114.6	9.6		18.7
2003 01 01	10 47.91	+23 06.7	4.761	5.378	124.3	8.7		18.6
2003 01 11	10 47.29	+23 40.8	4.677	5.409	134.2	7.5		18.6
2003 01 21	10 45.47	+24 18.1	4.614	5.441	144.0	6.1		18.5
2003 01 31	10 42.61	+24 56.4	4.575	5.473	153.3	4.6		18.4
2003 02 10	10 38.95	+25 32.9	4.564	5.506	161.0	3.3		18.3
2003 02 20	10 34.79	+26 05.1	4.581	5.539	164.1	2.8		18.3
2003 03 02	10 30.49	+26 30.7	4.629	5.573	160.4	3.4		18.4
2003 03 12	10 26.42	+26 48.0	4.705	5.607	152.7	4.7		18.5
2003 03 22	10 22.89	+26 56.3	4.809	5.641	143.5	6.0		18.6
2003 04 01	10 20.18	+26 55.4	4.935	5.676	134.1	7.3		18.8
2003 04 11	10 18.46	+26 45.7	5.082	5.711	124.6	8.3		18.9
2003 04 21	10 17.85	+26 28.0	5.245	5.747	115.3	9.1		19.0
2003 05 01	10 18.35	+26 03.4	5.420	5.782	106.2	9.6		19.1
2003 05 11	10 19.96	+25 32.8	5.602	5.819	97.4	9.9		19.2
2003 05 21	10 22.58	+24 57.2	5.789	5.855	88.8	10.0		19.3
2003 05 31	10 26.14	+24 17.5	5.975	5.892	80.4	9.8		19.4
2003 06 10	10 30.53	+23 34.5	6.158	5.930	72.3	9.4		19.4
2003 06 20	10 35.64	+22 48.8	6.335	5.967	64.4	8.8		19.5
2003 06 30	10 41.36	+22 01.2	6.503	6.005	56.7	8.1		19.5
2003 07 10	10 47.59	+21 12.1	6.660	6.043	49.1	7.3		19.6
2003 07 20	10 54.23	+20 22.1	6.803	6.081	41.7	6.4		19.6
2003 07 30	11 01.20	+19 31.6	6.930	6.120	34.4	5.4		19.6

C/2002 A1 (LINEAR) Elements *MPC* 44861

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 09 13	09 44.50	+23 50.1	5.925	5.089	31.0	5.8		20.4
2002 09 23	09 54.23	+23 19.9	5.865	5.115	38.2	7.0		20.4
2002 10 03	10 03.46	+22 52.6	5.790	5.141	45.6	8.0		20.4

2002 10 13	10 12.12	+22 29.0	5.701	5.167	53.3	8.9	20.4
2002 10 23	10 20.11	+22 10.2	5.600	5.194	61.2	9.7	20.5
2002 11 02	10 27.35	+21 56.7	5.489	5.222	69.3	10.2	20.4
2002 11 12	10 33.73	+21 49.5	5.370	5.250	77.8	10.6	20.4
2002 11 22	10 39.15	+21 49.2	5.248	5.279	86.5	10.8	20.4
2002 12 02	10 43.50	+21 56.2	5.124	5.309	95.4	10.7	20.3
2002 12 12	10 46.70	+22 10.8	5.003	5.339	104.7	10.3	20.3
2002 12 22	10 48.65	+22 32.7	4.890	5.370	114.3	9.6	20.2
2003 01 01	10 49.34	+23 01.1	4.789	5.401	124.0	8.7	20.2
2003 01 11	10 48.75	+23 34.9	4.704	5.432	133.9	7.5	20.1
2003 01 21	10 46.97	+24 12.1	4.640	5.464	143.7	6.1	20.0
2003 01 31	10 44.14	+24 50.2	4.601	5.497	153.0	4.7	19.9
2003 02 10	10 40.50	+25 26.7	4.589	5.530	160.7	3.4	19.9
2003 02 20	10 36.37	+25 58.9	4.606	5.564	164.1	2.8	19.8
2003 03 02	10 32.08	+26 24.7	4.653	5.598	160.6	3.4	19.9
2003 03 12	10 28.00	+26 42.2	4.729	5.632	152.9	4.6	20.0
2003 03 22	10 24.46	+26 50.8	4.832	5.667	143.9	6.0	20.2
2003 04 01	10 21.71	+26 50.2	4.958	5.702	134.4	7.2	20.3
2003 04 11	10 19.95	+26 40.8	5.105	5.737	124.9	8.2	20.4
2003 04 21	10 19.28	+26 23.4	5.267	5.773	115.6	9.0	20.5
2003 05 01	10 19.73	+25 59.0	5.442	5.809	106.5	9.6	20.6
2003 05 11	10 21.27	+25 28.6	5.625	5.846	97.7	9.9	20.7
2003 05 21	10 23.83	+24 53.2	5.811	5.883	89.1	9.9	20.8
2003 05 31	10 27.32	+24 13.8	5.998	5.920	80.7	9.7	20.9
2003 06 10	10 31.65	+23 30.9	6.182	5.957	72.6	9.4	21.0
2003 06 20	10 36.69	+22 45.5	6.359	5.995	64.7	8.8	21.0
2003 06 30	10 42.34	+21 58.0	6.528	6.033	56.9	8.1	21.0
2003 07 10	10 48.51	+21 09.1	6.685	6.072	49.3	7.3	21.1
2003 07 20	10 55.10	+20 19.2	6.829	6.110	41.9	6.4	21.1
2003 07 30	11 02.02	+19 28.9	6.957	6.149	34.6	5.4	21.1

40P/Väisälä 1 Elements *MPC* 46412

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 09 23	04 57.17	+10 27.0	3.986	4.359	105.2	12.8		22.5
2002 10 03	04 58.29	+10 04.0	3.792	4.304	114.5	12.2		22.3
2002 10 13	04 57.80	+09 38.3	3.608	4.249	124.2	11.2		22.1
2002 10 23	04 55.64	+09 11.2	3.439	4.193	134.1	9.8		21.9
2002 11 02	04 51.80	+08 43.9	3.290	4.137	144.3	8.0		21.7
2002 11 12	04 46.40	+08 18.3	3.166	4.080	154.3	6.0		21.5
2002 11 22	04 39.74	+07 56.2	3.069	4.023	162.8	4.2		21.3
2002 12 02	04 32.26	+07 39.7	3.002	3.965	165.8	3.5		21.2
2002 12 12	04 24.51	+07 30.7	2.966	3.907	160.2	4.9		21.2
2002 12 22	04 17.14	+07 30.5	2.960	3.849	150.7	7.2		21.3
2003 01 01	04 10.72	+07 39.7	2.982	3.789	140.2	9.6		21.4
2003 01 11	04 05.75	+07 58.4	3.026	3.730	129.5	11.7		21.5
2003 01 21	04 02.55	+08 25.9	3.089	3.670	119.1	13.6		21.6
2003 01 31	04 01.29	+09 01.0	3.166	3.609	109.0	15.0		21.6
2003 02 10	04 02.04	+09 42.4	3.250	3.548	99.4	15.9		21.7
2003 02 20	04 04.74	+10 28.6	3.338	3.487	90.3	16.5		21.7
2003 03 02	04 09.29	+11 18.0	3.426	3.425	81.7	16.6		21.7
2003 03 12	04 15.56	+12 09.3	3.509	3.363	73.4	16.4		21.7
2003 03 22	04 23.40	+13 01.1	3.585	3.301	65.6	16.0		21.7
2003 04 01	04 32.68	+13 52.3	3.652	3.238	58.2	15.2		21.7
2003 04 11	04 43.28	+14 41.7	3.708	3.175	51.0	14.2		21.7
2003 04 21	04 55.08	+15 28.3	3.751	3.112	44.3	13.0		21.6
2003 05 01	05 07.97	+16 11.2	3.782	3.048	37.8	11.7		21.5
2003 05 11	05 21.88	+16 49.5	3.799	2.985	31.5	10.2		21.4

61P/Shajn-Schaldach Elements *MPC* 31664

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 09 23	09 42.42	+10 57.7	4.556	3.786	35.7	8.9		22.3
2002 10 03	09 52.43	+10 07.6	4.493	3.820	42.9	10.3		22.3
2002 10 13	10 01.72	+09 19.3	4.415	3.855	50.3	11.5		22.4
2002 10 23	10 10.18	+08 33.9	4.324	3.889	58.0	12.5		22.4
2002 11 02	10 17.71	+07 52.3	4.221	3.922	65.9	13.4		22.4
2002 11 12	10 24.19	+07 15.8	4.108	3.956	74.3	13.9		22.3
2002 11 22	10 29.48	+06 45.5	3.988	3.989	82.9	14.2		22.3
2002 12 02	10 33.45	+06 22.7	3.865	4.022	92.0	14.2		22.3
2002 12 12	10 35.97	+06 08.5	3.742	4.054	101.4	13.8		22.2
2002 12 22	10 36.92	+06 04.0	3.624	4.086	111.4	13.0		22.1
2003 01 01	10 36.24	+06 09.7	3.514	4.117	121.7	11.7		22.0
2003 01 11	10 33.93	+06 26.0	3.420	4.149	132.5	10.1		21.9
2003 01 21	10 30.10	+06 52.3	3.345	4.179	143.8	8.0		21.8
2003 01 31	10 24.99	+07 27.2	3.295	4.210	155.3	5.6		21.7
2003 02 10	10 18.94	+08 08.5	3.273	4.240	167.0	3.0		21.5
2003 02 20	10 12.45	+08 53.2	3.282	4.270	177.7	0.5		21.3
2003 03 02	10 06.01	+09 38.1	3.322	4.299	169.0	2.5		21.5
2003 03 12	10 00.15	+10 20.0	3.393	4.328	157.5	5.0		21.8
2003 03 22	09 55.27	+10 56.5	3.493	4.356	146.2	7.3		21.9
2003 04 01	09 51.68	+11 25.9	3.617	4.385	135.3	9.2		22.1
2003 04 11	09 49.56	+11 47.2	3.762	4.412	124.9	10.7		22.3
2003 04 21	09 48.94	+12 00.1	3.922	4.440	114.9	11.8		22.4
2003 05 01	09 49.79	+12 04.8	4.093	4.466	105.3	12.6		22.6
2003 05 11	09 52.01	+12 01.7	4.271	4.493	96.2	12.9		22.7
2003 05 21	09 55.46	+11 51.3	4.450	4.519	87.4	12.9		22.8
2003 05 31	09 59.99	+11 34.4	4.629	4.545	78.9	12.6		22.9
2003 06 10	10 05.45	+11 11.4	4.803	4.570	70.7	12.1		22.9
2003 06 20	10 11.69	+10 43.2	4.970	4.595	62.8	11.3		23.0
2003 06 30	10 18.58	+10 10.1	5.126	4.619	55.0	10.4		23.0
2003 07 10	10 26.02	+09 32.9	5.270	4.643	47.4	9.3		23.1
2003 07 20	10 33.88	+08 52.1	5.400	4.667	39.9	8.0		23.1
2003 07 30	10 42.07	+08 08.2	5.514	4.690	32.5	6.7		23.1

P/2001 MD$_7$ (LINEAR) Elements *MPC* 45182

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 09 23	09 50.37	+14 14.5	4.032	3.259	34.9	10.1	20.2	
2002 10 03	10 01.39	+13 34.6	4.005	3.328	41.9	11.6	20.2	
2002 10 13	10 11.49	+12 58.4	3.962	3.396	49.3	12.9	20.3	
2002 10 23	10 20.58	+12 27.3	3.904	3.463	57.0	13.9	20.4	
2002 11 02	10 28.56	+12 02.4	3.833	3.529	65.0	14.8	20.4	
2002 11 12	10 35.32	+11 45.1	3.751	3.595	73.4	15.3	20.4	
2002 11 22	10 40.71	+11 36.7	3.661	3.659	82.1	15.5	20.5	
2002 12 02	10 44.61	+11 38.4	3.566	3.722	91.4	15.4	20.5	
2002 12 12	10 46.85	+11 51.1	3.470	3.785	101.1	14.8	20.5	
2002 12 22	10 47.33	+12 15.5	3.378	3.846	111.3	13.8	20.5	
2003 01 01	10 45.97	+12 51.3	3.296	3.907	121.9	12.3	20.5	

2003 01 11	10 42.78	+13 37.7	3.229	3.966	133.0	10.4	20.5
2003 01 21	10 37.89	+14 32.6	3.183	4.025	144.5	8.2	20.6
2003 01 31	10 31.59	+15 32.9	3.162	4.083	156.2	5.6	20.6
2003 02 10	10 24.29	+16 34.5	3.171	4.140	167.4	3.0	20.7
2003 02 20	10 16.56	+17 33.2	3.213	4.196	173.5	1.5	20.8
2003 03 02	10 08.96	+18 25.3	3.286	4.252	165.2	3.4	20.9
2003 03 12	10 02.07	+19 08.1	3.391	4.306	154.1	5.8	21.0
2003 03 22	09 56.34	+19 40.1	3.523	4.360	143.0	7.9	21.1
2003 04 01	09 52.04	+20 01.2	3.680	4.413	132.2	9.7	21.3
2003 04 11	09 49.34	+20 11.6	3.855	4.465	121.8	11.0	21.4
2003 04 21	09 48.24	+20 12.6	4.045	4.517	111.8	11.9	21.6
2003 05 01	09 48.67	+20 05.3	4.245	4.567	102.3	12.4	21.7
2003 05 11	09 50.50	+19 50.7	4.450	4.617	93.2	12.6	21.9

10P/Tempel 2 Elements *MPC* 45656

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 09 23	10 01.18	+16 15.9	5.489	4.683	33.3	6.8		22.1
2002 10 03	10 09.24	+15 44.2	5.383	4.675	41.1	8.1		22.1
2002 10 13	10 16.83	+15 15.4	5.259	4.666	49.0	9.3		22.1
2002 10 23	10 23.84	+14 50.5	5.119	4.656	57.2	10.3		22.0
2002 11 02	10 30.17	+14 30.4	4.967	4.645	65.6	11.2		22.0
2002 11 12	10 35.67	+14 16.2	4.804	4.634	74.3	11.9		22.0
2002 11 22	10 40.20	+14 09.0	4.633	4.622	83.2	12.3		21.9
2002 12 02	10 43.64	+14 09.8	4.459	4.609	92.5	12.3		21.8
2002 12 12	10 45.82	+14 19.6	4.286	4.596	102.2	12.1		21.7
2002 12 22	10 46.60	+14 38.9	4.118	4.582	112.3	11.5		21.6
2003 01 01	10 45.87	+15 08.0	3.961	4.567	122.7	10.4		21.5
2003 01 11	10 43.56	+15 46.4	3.819	4.552	133.5	9.0		21.3
2003 01 21	10 39.71	+16 32.8	3.698	4.535	144.5	7.2		21.2
2003 01 31	10 34.46	+17 24.9	3.602	4.518	155.7	5.2		21.0
2003 02 10	10 28.05	+18 19.6	3.536	4.501	166.2	3.0		20.8
2003 02 20	10 20.92	+19 13.3	3.502	4.482	171.6	1.8		20.7
2003 03 02	10 13.55	+20 02.4	3.499	4.463	164.7	3.4		20.8
2003 03 12	10 06.48	+20 43.9	3.528	4.443	154.0	5.6		20.9
2003 03 22	10 00.23	+21 15.6	3.586	4.422	143.0	7.8		21.1
2003 04 01	09 55.19	+21 36.7	3.668	4.400	132.1	9.7		21.2
2003 04 11	09 51.63	+21 47.2	3.769	4.378	121.6	11.2		21.3
2003 04 21	09 49.69	+21 47.6	3.885	4.355	111.5	12.4		21.4
2003 05 01	09 49.38	+21 38.9	4.010	4.331	101.9	13.2		21.5
2003 05 11	09 50.66	+21 22.2	4.140	4.307	92.7	13.5		21.5
2003 05 21	09 53.38	+20 58.5	4.270	4.281	83.9	13.6		21.6
2003 05 31	09 57.42	+20 28.7	4.396	4.255	75.4	13.3		21.6
2003 06 10	10 02.62	+19 53.5	4.516	4.228	67.3	12.8		21.7
2003 06 20	10 08.83	+19 13.6	4.626	4.201	59.4	12.0		21.7
2003 06 30	10 15.90	+18 29.6	4.724	4.172	51.8	11.0		21.7
2003 07 10	10 23.71	+17 41.9	4.808	4.143	44.4	9.9		21.6
2003 07 20	10 32.15	+16 51.2	4.876	4.113	37.2	8.6		21.6
2003 07 30	10 41.11	+15 57.7	4.928	4.082	30.1	7.2		21.5

C/2001 HT$_{50}$ (LINEAR-NEAT) Elements *MPC* 44860

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 10 03	10 02.02	−02 40.9	4.671	3.934	38.3	9.1	13.8	
2002 10 13	10 03.14	−03 15.3	4.478	3.869	47.1	10.9	13.6	
2002 10 23	10 03.23	−03 50.7	4.263	3.804	56.4	12.6	13.5	
2002 11 02	10 01.96	−04 26.1	4.030	3.740	66.1	14.0	13.3	
2002 11 12	09 58.95	−05 00.1	3.784	3.677	76.3	15.2	13.0	
2002 11 22	09 53.70	−05 30.5	3.530	3.616	87.0	15.8	12.8	
2002 12 02	09 45.68	−05 54.9	3.275	3.555	98.4	15.9	12.6	
2002 12 12	09 34.26	−06 09.5	3.029	3.496	110.4	15.3	12.3	
2002 12 22	09 18.86	−06 09.4	2.801	3.439	123.1	13.9	12.1	
2003 01 01	08 59.11	−05 48.9	2.604	3.383	136.1	11.6	11.9	
2003 01 11	08 35.11	−05 02.6	2.451	3.328	148.4	8.9	11.7	
2003 01 21	08 07.84	−03 47.8	2.352	3.276	156.1	7.0	11.5	
2003 01 31	07 39.07	−02 07.4	2.315	3.225	153.3	7.9	11.4	
2003 02 10	07 11.11	−00 10.0	2.341	3.177	142.0	11.0	11.4	
2003 02 20	06 45.96	+01 53.0	2.422	3.130	128.1	14.4	11.4	
2003 03 02	06 24.84	+03 51.7	2.547	3.087	114.1	17.0	11.4	
2003 03 12	06 08.08	+05 40.5	2.701	3.045	100.6	18.7	11.5	
2003 03 22	05 55.42	+07 17.2	2.872	3.006	88.0	19.3	11.6	
2003 04 01	05 46.30	+08 41.9	3.046	2.970	76.2	19.1	11.6	
2003 04 11	05 40.10	+09 55.8	3.216	2.937	65.0	18.0	11.7	
2003 04 21	05 36.22	+11 00.4	3.373	2.907	54.5	16.3	11.8	
2003 05 01	05 34.16	+11 56.8	3.511	2.881	44.5	14.2	11.8	
2003 05 11	05 33.49	+12 46.4	3.625	2.857	35.0	11.7	11.9	

C/2000 A1 (Montani) Elements *MPC* 44860

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 10 03	11 17.68	+23 02.4	11.534	10.707	32.8	2.9	19.1	21.8
2002 10 13	11 22.25	+22 49.7	11.468	10.730	40.6	3.5	19.1	21.8
2002 10 23	11 26.57	+22 40.6	11.383	10.752	48.7	4.0	19.1	21.8
2002 11 02	11 30.58	+22 35.3	11.281	10.775	57.2	4.4	19.1	21.8
2002 11 12	11 34.21	+22 34.1	11.165	10.798	65.9	4.8	19.1	21.8
2002 11 22	11 37.41	+22 37.3	11.039	10.822	74.7	5.1	19.1	21.8
2002 12 02	11 40.11	+22 45.0	10.907	10.845	83.8	5.2	19.0	21.8
2002 12 12	11 42.26	+22 57.1	10.772	10.869	93.1	5.2	19.0	21.8
2002 12 22	11 43.82	+23 13.3	10.639	10.893	102.4	5.1	19.0	21.7
2003 01 01	11 44.77	+23 33.3	10.513	10.917	111.8	4.8	19.0	21.7
2003 01 11	11 45.08	+23 56.4	10.398	10.941	121.3	4.4	19.0	21.7
2003 01 21	11 44.79	+24 21.8	10.300	10.965	130.6	3.9	19.0	21.6
2003 01 31	11 43.92	+24 48.5	10.222	10.990	139.5	3.3	19.0	21.6
2003 02 10	11 42.54	+25 15.3	10.168	11.015	147.8	2.7	19.0	21.5
2003 02 20	11 40.74	+25 41.0	10.140	11.040	154.5	2.2	19.0	21.5
2003 03 02	11 38.64	+26 04.4	10.140	11.065	158.0	1.9	19.0	21.5
2003 03 12	11 36.38	+26 24.5	10.169	11.090	157.1	2.0	19.0	21.5
2003 03 22	11 34.09	+26 40.4	10.226	11.116	152.1	2.4	19.0	21.5
2003 04 01	11 31.92	+26 51.5	10.310	11.142	144.8	3.0	19.0	21.6
2003 04 11	11 30.00	+26 57.4	10.419	11.168	136.5	3.5	19.1	21.7
2003 04 21	11 28.44	+26 58.1	10.550	11.194	127.8	4.1	19.1	21.7
2003 05 01	11 27.32	+26 53.6	10.698	11.220	118.9	4.5	19.1	21.8
2003 05 11	11 26.72	+26 44.4	10.861	11.247	110.0	4.8	19.2	21.8
2003 05 21	11 26.66	+26 30.8	11.033	11.273	101.2	5.1	19.2	21.9
2003 05 31	11 27.17	+26 13.4	11.211	11.300	92.4	5.1	19.3	21.9
2003 06 10	11 28.23	+25 52.7	11.391	11.327	83.8	5.1	19.3	22.0
2003 06 20	11 29.84	+25 29.4	11.568	11.354	75.4	5.0	19.4	22.0
2003 06 30	11 31.95	+25 04.0	11.739	11.381	67.1	4.7	19.4	22.0
2003 07 10	11 34.52	+24 37.1	11.900	11.409	59.0	4.4	19.5	22.1

2003 07 20	11 37.50	+24 09.2	12.048	11.436	51.1	4.0	19.5	22.1
2003 07 30	11 40.85	+23 40.9	12.181	11.464	43.4	3.5	19.5	22.1
2003 08 09	11 44.50	+23 12.6	12.296	11.492	36.1	3.0	19.6	22.1

81P/Wild 2 Elements *MPC* 40671

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
2002 10 13	04 56.28	+18 39.1	2.593	3.263	124.5	14.6	16.8	22.5
2002 10 23	04 54.53	+18 26.2	2.431	3.210	134.8	12.7	16.5	22.2
2002 11 02	04 50.38	+18 10.1	2.287	3.157	145.7	10.2	16.3	21.9
2002 11 12	04 43.92	+17 51.2	2.167	3.103	157.1	7.1	16.1	21.7
2002 11 22	04 35.52	+17 30.2	2.073	3.048	168.7	3.6	15.8	21.3
2002 12 02	04 25.82	+17 08.5	2.009	2.992	175.1	1.6	15.7	21.1
2002 12 12	04 15.77	+16 48.0	1.975	2.936	164.7	5.1	15.5	21.2
2002 12 22	04 06.40	+16 31.5	1.971	2.880	152.6	9.1	15.4	21.4
2003 01 01	03 58.66	+16 21.4	1.992	2.822	140.7	12.8	15.3	21.5
2003 01 11	03 53.25	+16 19.9	2.036	2.765	129.3	16.0	15.2	21.6
2003 01 21	03 50.60	+16 27.8	2.095	2.707	118.5	18.6	15.1	21.7
2003 01 31	03 50.82	+16 45.1	2.165	2.648	108.5	20.7	15.0	21.8
2003 02 10	03 53.89	+17 11.0	2.242	2.589	99.2	22.1	15.0	21.9
2003 02 20	03 59.62	+17 43.8	2.320	2.530	90.5	23.0	14.9	21.9
2003 03 02	04 07.82	+18 21.7	2.396	2.471	82.5	23.4	14.8	22.0
2003 03 12	04 18.29	+19 02.8	2.468	2.412	75.1	23.5	14.7	22.0
2003 03 22	04 30.82	+19 44.7	2.534	2.353	68.2	23.1	14.6	22.0
2003 04 01	04 45.24	+20 25.6	2.592	2.294	61.7	22.6	14.5	22.0
2003 04 11	05 01.41	+21 03.4	2.641	2.235	55.7	21.7	14.3	21.9
2003 04 21	05 19.20	+21 35.9	2.681	2.177	50.1	20.7	14.2	21.9
2003 05 01	05 38.48	+22 01.2	2.712	2.120	44.8	19.6	14.1	21.8
2003 05 11	05 59.15	+22 17.3	2.733	2.064	39.9	18.3	13.9	21.7
2003 05 21	06 21.09	+22 22.4	2.747	2.009	35.4	17.0	13.7	21.6
2003 05 31	06 44.19	+22 14.7	2.752	1.955	31.1	15.5	13.6	21.5

OPPOSITION DATA

Planet	Opposition	α_{2000}	δ_{2000}	V	$\dot{\alpha}$	$\dot{\delta}$	$\phi_{\rm MIN}$	Ref.
1994 PQ_9	2002 08 08.0	21 10.92	−03 58.1	17.8	−1.02	−19.9	5.3/12.4	33000
2001 KK_{29}	2002 08 08.0	21 10.92	−00 59.8	18.7	−0.75	− 3.2	5.2/12.0	33911
2001 FA_{155}	2002 08 08.0	21 10.99	−38 56.6	18.3	−1.16	− 2.7	10.0/01.9	19931
1999 XG_{13}	2002 08 08.0	21 11.02	−32 34.8	18.0	−1.00	− 8.2	7.0/03.0	33842
2001 FD_{145}	2002 08 08.0	21 11.02	−53 34.7	19.6	−1.16	− 3.1	11.2/27.9	13844
2002 LV_{57}	2002 08 08.0	21 11.06	−11 32.4	17.3	−0.82	− 1.5	2.6/09.1	33632
1999 XU_{199}	2002 08 08.0	21 11.14	−23 27.8	18.8	−0.98	− 2.2	2.4/06.4	33850
2001 BC_9	2002 08 08.0	21 11.20	−23 50.8	18.1	−1.07	− 2.2	3.2/06.4	33892
1999 XN_{243}	2002 08 08.0	21 11.21	−27 26.1	17.7	−1.20	− 0.1	4.8/05.8	5682
2002 PM_{23}	2002 08 08.0	21 11.26	−12 23.5	18.8	−0.75	− 3.6	1.1/09.1	33722
2000 CG_{16}	2002 08 08.0	21 11.30	−15 21.9	18.5	−0.80	− 3.7	0.3/08.3	33861
2002 LF_{54}	2002 08 08.0	21 11.31	+00 29.6	18.5	−0.75	− 2.0	5.9/12.3	34018
2001 BQ_{34}	2002 08 08.0	21 11.32	−09 16.3	18.4	−0.84	− 8.2	2.4/10.1	33358
2001 CW_{36}	2002 08 08.0	21 11.33	−12 46.8	20.0	−0.88	− 7.5	1.2/09.1	33369
2002 LD_{30}	2002 08 08.0	21 11.38	−07 43.5	16.7	−0.86	+ 0.7	3.5/09.8	33612
1999 XY_{83}	2002 08 08.1	21 11.31	−12 20.6	19.7	−0.88	− 3.9	1.3/09.1	17100
2001 BY_{35}	2002 08 08.1	21 11.33	−32 51.7	19.2	−1.05	− 3.8	6.4/04.0	12276
2000 AM_{134}	2002 08 08.1	21 11.35	−15 53.4	18.0	−0.94	− 3.9	0.2/08.2	33857
2002 NB_{20}	2002 08 08.1	21 11.42	−15 25.0	17.4	−0.78	−11.4	0.3/08.4	33660
2000 AW_{59}	2002 08 08.1	21 11.49	−13 03.3	18.4	−1.03	+ 0.6	1.1/08.7	*39570*
1998 HY_{33}	2002 08 08.1	21 11.50	+02 07.5	17.3	−0.82	− 6.7	9.0/14.0	33766
2001 DU_{78}	2002 08 08.1	21 11.53	−15 28.7	20.3	−0.96	− 6.0	0.3/08.3	14928
2002 NJ_{48}	2002 08 08.1	21 11.55	−15 14.1	18.4	−1.33	+ 3.4	0.4/08.3	33687
3112 T-2	2002 08 08.1	21 11.56	−31 03.4	18.6	−0.99	− 1.4	6.9/04.6	33737
2000 AR_{215}	2002 08 08.1	21 11.58	−21 01.1	18.2	−0.86	− 6.5	1.8/06.8	33859
1999 TL_{199}	2002 08 08.1	21 11.61	−10 25.9	17.6	−1.00	+ 0.1	2.9/09.3	33832
2000 CG_{13}	2002 08 08.1	21 11.66	−12 59.0	19.2	−0.93	− 3.8	1.1/09.0	14394
1999 XN_{70}	2002 08 08.1	21 11.71	−16 18.7	18.8	−0.96	− 5.5	0.0/08.2	33845
1998 QF_{76}	2002 08 08.1	21 11.75	+02 15.3	16.3	−0.75	− 4.5	8.6/13.6	33772
1995 GU_6	2002 08 08.2	21 11.77	−13 22.9	20.6	−0.74	− 4.7	0.8/09.0	2620
1998 RO_{65}	2002 08 08.2	21 11.79	−18 05.2	17.9	−0.90	− 3.2	0.9/07.8	33776
2001 HB_{15}	2002 08 08.2	21 11.87	−21 53.6	19.1	−0.88	− 3.0	2.4/06.8	17601
2001 DE_{73}	2002 08 08.2	21 11.95	−15 50.3	17.8	−0.99	− 2.3	0.1/08.3	33898
1998 SP_{62}	2002 08 08.2	21 12.01	−25 08.0	18.4	−0.94	− 3.0	3.2/06.1	33779
2001 FH_{75}	2002 08 08.2	21 12.13	−29 35.9	20.2	−1.13	− 4.4	5.2/04.9	14423
1999 VK_{106}	2002 08 08.2	21 12.15	−14 03.2	20.9	−1.00	− 4.1	0.8/08.8	12194
2002 PW_{51}	2002 08 08.3	21 12.08	−21 26.7	18.6	−0.97	− 4.3	2.3/07.0	33730
1999 XF_{155}	2002 08 08.3	21 12.09	−15 06.1	18.8	−0.99	− 5.6	0.4/08.6	33848
2000 BP_4	2002 08 08.3	21 12.12	−26 31.5	17.9	−1.02	− 0.9	3.4/06.1	33860
1999 XM_{70}	2002 08 08.3	21 12.18	−09 29.3	19.7	−0.88	− 3.8	2.2/10.0	33845
2000 CL_{48}	2002 08 08.3	21 12.22	−04 34.7	19.5	−0.75	− 5.4	3.4/11.6	33862
2000 EO_{11}	2002 08 08.3	21 12.27	−20 34.4	18.5	−0.93	− 7.0	1.7/07.1	33867
1998 RJ_{60}	2002 08 08.3	21 12.34	−26 49.5	17.0	−1.08	+ 1.7	5.0/06.3	*38495*
1995 US_{18}	2002 08 08.3	21 12.35	−04 51.6	20.6	−0.90	− 5.1	3.9/11.3	12849
1995 WA_3	2002 08 08.3	21 12.35	−33 02.0	19.6	−1.02	− 4.6	6.3/03.9	12111
1999 XD_{145}	2002 08 08.3	21 12.37	−11 24.6	20.6	−0.93	− 4.2	1.7/09.5	12216
2001 DC_{15}	2002 08 08.3	21 12.48	−01 24.1	17.3	−0.86	−13.1	5.2/13.4	33897
1998 CC	2002 08 08.3	21 12.51	−23 50.1	17.9	−1.03	− 5.3	3.8/06.4	33016
1998 SZ_{12}	2002 08 08.4	21 12.46	−32 09.4	17.8	−0.90	− 7.5	6.1/03.5	14361
1999 VK_{211}	2002 08 08.4	21 12.47	−32 25.1	18.2	−1.10	− 2.6	7.9/04.4	2692
2001 BZ_{19}	2002 08 08.4	21 12.49	−21 33.9	19.8	−1.04	− 4.1	2.1/07.1	33892
1999 VE_{45}	2002 08 08.4	21 12.51	−06 43.9	18.7	−0.98	− 3.4	3.7/10.6	33837
2001 FF_{47}	2002 08 08.4	21 12.53	+18 17.3	18.6	−0.79	− 8.7	12.2/21.4	33903
2000 AO_{47}	2002 08 08.4	21 12.54	−16 25.4	18.5	−0.97	− 2.8	0.1/08.4	*40429*
1998 RG_{51}	2002 08 08.4	21 12.60	−09 17.0	16.8	−0.82	− 1.7	3.4/10.1	33038
2000 CK_{64}	2002 08 08.4	21 12.61	−18 24.2	20.5	−0.80	− 3.2	0.6/07.9	9788
2001 LH	2002 08 08.4	21 12.62	−30 44.0	20.0	−0.80	− 5.5	3.8/04.2	33912
2001 DB_{90}	2002 08 08.4	21 12.75	+02 39.9	17.5	−0.84	− 6.2	7.7/14.1	33899
1998 QF_{37}	2002 08 08.4	21 12.75	−07 33.3	17.1	−0.88	− 4.5	4.0/10.6	33771
1998 KU_{54}	2002 08 08.4	21 12.76	−04 36.1	17.5	−0.69	−12.2	5.5/12.6	33769
1999 YT_6	2002 08 08.4	21 12.77	−28 57.4	18.4	−1.08	− 1.3	4.6/05.6	9784
2000 DL_{56}	2002 08 08.4	21 12.77	−17 53.7	18.4	−0.99	− 3.3	0.7/08.0	2750
2002 PJ_{11}	2002 08 08.4	21 12.77	−12 01.0	18.8	−0.79	− 4.6	1.5/09.6	33718
2000 WK_{141}	2002 08 08.4	21 12.77	−06 15.4	17.6	−1.41	+ 4.5	4.7/09.7	33887
2000 DT_{113}	2002 08 08.4	21 12.78	−19 04.3	18.1	−0.94	− 0.1	1.1/07.9	33219
1998 RQ_{63}	2002 08 08.4	21 12.81	−04 02.6	17.8	−0.80	− 8.8	4.4/12.2	33776
1999 TJ_{316}	2002 08 08.4	21 12.87	−02 48.6	18.6	−0.90	− 4.9	5.9/12.1	33119
2000 CR_{14}	2002 08 08.4	21 12.88	−12 08.0	18.8	−0.89	− 3.7	1.5/09.5	33861
2001 FK_{134}	2002 08 08.4	21 12.90	−39 03.0	18.1	−0.98	− 2.3	7.9/02.6	13347
1999 UC_{20}	2002 08 08.5	21 12.87	−19 16.3	20.3	−1.04	− 4.8	1.3/07.7	12969

2002 LH_{35}	2002 08 08.5	21 12.95	+25 45.6	17.3	−0.68	+	5.0	20.8/23.8	34016
2001 BC_{59}	2002 08 08.5	21 13.00	−13 31.6	19.3	−1.00	−	4.0	1.0/09.2	33361
2000 EM_{28}	2002 08 08.5	21 13.02	−33 15.3	18.2	−0.92	−	3.6	5.4/03.9	14401
1999 XZ_{44}	2002 08 08.5	21 13.07	−09 32.0	18.5	−0.97	−	3.3	3.0/10.1	33844
2000 FK_{43}	2002 08 08.5	21 13.13	−04 59.0	17.8	−0.70	−	7.1	3.3/11.9	33872
2002 NS_{23}	2002 08 08.5	21 13.14	−17 52.9	17.7	−0.77		−12.3	0.7/08.0	33664
2002 PB_{24}	2002 08 08.5	21 13.15	−13 16.9	17.6	−0.98	−	2.5	1.2/09.2	33722
2001 FL_{81}	2002 08 08.5	21 13.21	−12 16.9	18.3	−1.09	−	1.5	1.6/09.4	33904
1998 RB_{6}	2002 08 08.5	21 13.22	−07 35.5	17.5	−0.80	−	7.5	3.5/11.1	33774
2001 FS_{154}	2002 08 08.5	21 13.23	−00 58.3	20.3	−0.81	−	6.9	5.1/13.1	33403
1999 UH_{30}	2002 08 08.5	21 13.26	−20 42.7	20.3	−1.01	−	4.5	1.7/07.5	13617
2001 DY_{68}	2002 08 08.5	21 13.26	−09 25.7	18.9	−0.89	−	6.0	2.3/10.4	33376
2001 DM_{12}	2002 08 08.6	21 13.21	−21 01.2	19.4	−1.03	−	3.9	1.9/07.4	33897
1999 TW_{318}	2002 08 08.6	21 13.42	−26 33.1	20.1	−1.03	−	3.6	3.8/06.1	33119
2002 OC_{5}	2002 08 08.6	21 13.43	+05 47.6	19.7	−0.79	−	9.4	7.6/15.8	33699
2002 ND_{7}	2002 08 08.6	21 13.53	+07 01.4	18.3	−0.76	−	5.4	9.8/15.7	33644
2000 GP_{21}	2002 08 08.6	21 13.54	−14 01.1	20.1	−0.77	−	3.7	0.6/09.2	33229
1999 VS_{167}	2002 08 08.6	21 13.55	−09 26.9	17.7	−0.95	−	1.8	3.2/10.2	33840
2001 FO_{169}	2002 08 08.6	21 13.61	−34 34.8	18.6	−0.90	−	5.3	5.9/03.4	16094
2000 AU_{190}	2002 08 08.6	21 13.63	−14 11.3	18.7	−0.86	−	7.7	0.6/09.2	33858
2001 FN_{37}	2002 08 08.6	21 13.63	−06 36.9	19.2	−0.76	−	6.1	3.2/11.5	33387
2002 PD_{24}	2002 08 08.6	21 13.66	−13 58.6	18.8	−0.81	−	4.0	0.7/09.2	33722
2000 AF_{67}	2002 08 08.7	21 13.59	−17 11.2	19.2	−0.77	−	3.4	0.3/08.4	13644
2000 WF_{49}	2002 08 08.7	21 13.61	+09 41.1	17.4	−1.33	+	5.6	13.0/12.2	33886
1998 QE_{30}	2002 08 08.7	21 13.62	−01 43.4	17.6	−0.78	−	8.1	6.1/13.2	33027
2002 PL_{11}	2002 08 08.7	21 13.65	−11 31.9	19.1	−1.08	−	2.0	2.0/09.7	33718
2001 EF_{5}	2002 08 08.7	21 13.72	−09 20.2	17.7	−0.82	−	9.8	2.5/10.8	33380
1999 XK_{179}	2002 08 08.7	21 13.75	−38 12.4	17.9	−0.98	−	6.3	9.3/01.7	13075
1998 QE_{19}	2002 08 08.7	21 13.78	−15 47.3	17.3	−0.82	−	9.8	0.1/08.8	33026
2000 CF_{20}	2002 08 08.7	21 13.79	−11 58.4	20.5	−0.82	−	5.8	1.2/09.9	2734
1995 UF_{15}	2002 08 08.7	21 13.82	−14 16.6	20.7	−0.95	−	3.9	0.6/09.2	19263
2000 EP_{121}	2002 08 08.7	21 13.91	−33 57.5	18.9	−1.06	−	2.4	5.6/04.3	29214
1998 OO_{13}	2002 08 08.7	21 13.93	−14 43.6	17.1	−0.79	−	8.7	0.6/09.2	33024
1999 VU_{183}	2002 08 08.7	21 13.96	−25 39.4	19.1	−1.06	−	5.9	4.0/06.2	33144
1999 XD_{28}	2002 08 08.7	21 13.98	−19 35.2	19.9	−0.91	−	4.8	1.1/07.9	14379
2002 NF_{51}	2002 08 08.7	21 13.98	−16 43.0	18.2	−0.76	−	7.3	0.2/08.6	33689
1999 XV_{242}	2002 08 08.7	21 13.99	−38 05.3	17.7	−1.12	−	2.6	7.7/03.0	13084
2001 BO_{23}	2002 08 08.7	21 13.99	−12 41.5	17.0	−1.05	−	2.4	1.6/09.5	33892
1998 RA_{23}	2002 08 08.7	21 14.04	−20 07.7	16.9	−0.92	−	6.2	1.8/07.7	33034
2002 PQ_{38}	2002 08 08.7	21 14.05	−15 26.7	18.0	−0.95	−	5.4	0.2/08.9	33726
2002 PM_{63}	2002 08 08.8	21 13.99	−13 13.1	18.3	−0.73	−	6.5	1.1/09.6	33731
2001 FT_{126}	2002 08 08.8	21 13.99	−14 39.2	19.1	−0.95	−	6.5	0.5/09.2	33906
2001 KC_{18}	2002 08 08.8	21 14.13	−05 16.7	19.1	−0.74	−	5.7	3.3/11.9	33911
1999 UJ_{46}	2002 08 08.8	21 14.13	−13 16.2	19.0	−1.02	−	2.7	1.0/09.5	33835
2000 AD_{86}	2002 08 08.8	21 14.17	−14 22.9	17.1	−0.91	−	6.2	0.8/09.3	33184
1999 CO_{62}	2002 08 08.8	21 14.19	−13 04.6	17.4	−0.90		0.0	0.9/09.5	33068
1200 T-2	2002 08 08.8	21 14.30	−30 33.7	19.1	−1.08	−	1.2	4.8/05.6	18513
2265 T-1	2002 08 08.8	21 14.33	−17 17.2	19.4	−1.00	−	5.2	0.5/08.5	6151
2001 BS_{44}	2002 08 08.8	21 14.35	−19 11.6	18.4	−0.96	−	6.3	1.1/08.0	13807
2001 FT_{47}	2002 08 08.8	21 14.35	−21 57.4	19.6	−0.94	−	2.8	2.0/07.5	13830
2001 BH_{15}	2002 08 08.8	21 14.37	−20 10.4	17.6	−1.12	−	0.1	1.9/08.1	33892
2001 FV_{143}	2002 08 08.9	21 14.47	−40 19.5	19.5	−1.09	−	3.1	8.5/02.4	19930
2001 GL_{5}	2002 08 08.9	21 14.50	−42 21.5	16.8	−1.02	−	2.6	11.7/01.3	31946
1998 HZ_{4}	2002 08 08.9	21 14.57	−25 05.0	19.2	−1.14	−	2.0	4.2/07.0	33020
1999 XE_{13}	2002 08 08.9	21 14.71	+01 31.9	19.5	−0.91	−	5.2	6.3/13.6	6262
1998 SA_{125}	2002 08 08.9	21 14.72	−17 32.2	17.9	−0.83	−	5.4	0.7/08.6	33052
2002 OK_{18}	2002 08 08.9	21 14.72	−04 02.0	18.7	−1.01	−	2.3	4.7/11.8	33709
2000 BK_{30}	2002 08 08.9	21 14.75	−15 12.3	18.3	−0.82	−	6.1	0.3/09.2	33861
1999 TB_{190}	2002 08 08.9	21 14.76	−07 59.7	19.5	−1.05	−	1.8	3.1/10.7	33109
1998 QC_{86}	2002 08 09.0	21 14.74	+11 24.0	17.6	−0.79	−	2.7	11.9/16.9	33773
1990 TQ_{2}	2002 08 09.0	21 14.76	−41 12.9	18.0	−1.23	+	2.2	11.1/03.8	12104
2000 DW_{85}	2002 08 09.0	21 14.81	−20 58.3	18.8	−0.77	−	7.1	1.6/07.5	19526
1999 TU_{175}	2002 08 09.0	21 14.82	−26 15.6	19.5	−1.05	−	2.9	3.6/06.6	33831
2002 LM	2002 08 09.0	21 14.84	+41 07.4	17.6	−0.80	+	0.8	23.5/02.0	33594
1999 VS_{146}	2002 08 09.0	21 14.87	−15 01.6	21.1	−0.99	−	5.0	0.4/09.3	14377
1995 YA_{1}	2002 08 09.0	21 14.89	−25 41.0	19.5	−0.91	−	6.4	2.9/06.3	33758
3104 T-2	2002 08 09.0	21 15.10	−19 54.6	17.6	−0.85	−	3.7	1.4/08.1	33737
1999 TE_{165}	2002 08 09.0	21 15.13	−16 40.4	17.2	−0.73	+	3.4	0.5/09.0	33106
2001 HQ_{53}	2002 08 09.0	21 15.14	−20 34.5	19.7	−0.76	−	4.6	1.3/07.8	14435
1998 WQ_{28}	2002 08 09.0	21 15.16	−47 55.2	19.3	−1.02	−	3.7	9.0/30.4	14369
1995 SL_{40}	2002 08 09.0	21 15.16	−19 23.1	20.5	−1.02	−	3.8	1.3/08.3	14739
2002 PS_{39}	2002 08 09.0	21 15.17	−12 15.3	18.0	−0.94	+	1.5	1.5/09.8	33727
2000 EV_{31}	2002 08 09.0	21 15.17	−20 26.8	18.3	−0.89	−	1.2	1.5/08.1	33868
2001 FB_{12}	2002 08 09.0	21 15.18	−25 58.9	19.8	−0.97	−	3.7	3.6/06.6	14420
2000 VM_{1}	2002 08 09.1	21 15.16	−36 14.0	18.6	−1.12	−	9.3	6.7/03.0	13794
2000 CP_{10}	2002 08 09.1	21 15.19	−12 49.4	18.0	−0.88	−	2.3	1.1/09.9	33200
1999 XZ_{149}	2002 08 09.1	21 15.26	−20 44.3	21.2	−0.98	−	4.8	1.7/07.9	17105
2001 FX_{72}	2002 08 09.1	21 15.33	−18 15.9	18.9	−0.88	−	5.9	0.8/08.5	33904
1999 VJ_{77}	2002 08 09.1	21 15.35	−21 32.3	19.7	−0.94	−	3.4	1.7/07.8	12993
2000 AT_{41}	2002 08 09.1	21 15.36	−19 10.6	18.0	−1.21	+	0.9	1.4/08.6	*40429*
2000 EF_{94}	2002 08 09.1	21 15.39	−08 29.1	18.3	−0.80	−	2.0	2.2/11.0	33869
2000 WX_{50}	2002 08 09.1	21 15.40	+02 35.2	18.5	−1.47	+	6.4	10.4/11.0	33309
2001 DR_{57}	2002 08 09.1	21 15.41	−16 51.0	17.8	−0.79	−	6.8	0.5/08.9	33898
1978 VA	2002 08 09.1	21 15.51	−50 51.4	19.1	−1.27	−	4.3	9.6/29.1	600
1995 VD_{15}	2002 08 09.1	21 15.55	−15 13.9	20.3	−0.92	−	4.2	0.2/09.4	164
2000 GX_{80}	2002 08 09.2	21 15.52	+03 43.4	20.3	−0.71	−	3.9	5.1/14.7	33873
2000 EV_{132}	2002 08 09.2	21 15.61	−14 27.8	19.6	−0.74	−	3.9	0.4/09.6	33870
2002 NQ_{27}	2002 08 09.2	21 15.66	−08 26.8	18.2	−0.75	−	3.5	2.8/11.2	33670
1999 XQ_{100}	2002 08 09.2	21 15.66	+00 02.4	18.7	−0.94	−	1.0	5.4/12.8	33847
2001 KX_{64}	2002 08 09.2	21 15.69	−13 52.1	18.1	−0.71	−	9.7	0.7/09.9	33419
2000 BR_{4}	2002 08 09.2	21 15.76	−33 44.5	20.7	−0.97	−	3.1	5.0/04.6	17146
2001 FX_{111}	2002 08 09.2	21 15.79	−09 38.6	19.2	−1.03	−	3.9	2.6/10.8	33398
2000 AZ_{229}	2002 08 09.2	21 15.93	−14 33.2	19.6	−0.94	−	3.2	0.5/09.6	33193
1999 XC_{39}	2002 08 09.2	21 15.96	−35 41.1	17.5	−0.98	−	6.5	7.9/03.6	33844
2001 BG_{33}	2002 08 09.2	21 15.96	−17 55.5	17.9	−1.07	−	1.7	0.9/08.9	33893
1998 RZ_{56}	2002 08 09.3	21 15.96	−11 46.1	19.9	−0.91	−	4.8	1.5/10.4	33776
1999 XA_{258}	2002 08 09.3	21 16.01	−20 36.6	19.1	−0.88	−	6.2	1.7/08.0	17120
1998 TJ_{5}	2002 08 09.3	21 16.01	−24 49.9	17.7	−0.88	−	4.7	3.4/06.9	33785
1999 VF_{151}	2002 08 09.3	21 16.11	−13 59.5	20.2	−1.02	−	4.0	0.8/09.8	33141
2014 T-3	2002 08 09.3	21 16.13	−18 38.3	18.0	−0.84	−	2.9	0.9/08.7	*39505*
2001 HX_{44}	2002 08 09.3	21 16.15	−08 50.0	18.0	−0.85	−	4.1	2.6/11.2	33412
1998 QZ_{21}	2002 08 09.3	21 16.16	−12 57.3	17.2	−0.89	−	2.4	1.3/10.1	33026

1999 XP_{181}	2002 08 09.3	21 16.22	−36 23.2	18.0	−1.07	−	2.0	7.1/04.5	13638
2001 FX_{85}	2002 08 09.3	21 16.26	−11 09.6	19.3	−0.82	−	4.5	1.9/10.6	33394
2001 DC_{38}	2002 08 09.3	21 16.27	−10 01.3	18.8	−0.94	−	5.6	2.2/10.9	33373
2002 PV_{24}	2002 08 09.3	21 16.33	−14 29.0	16.5	−0.80	−	6.6	0.7/09.8	33722
2000 ES_{117}	2002 08 09.3	21 16.35	−46 15.4	18.4	−1.12	+	0.4	8.1/02.1	2759
2002 ON_{10}	2002 08 09.4	21 16.29	−17 44.0	18.0	−0.85	−	5.9	0.7/08.9	33702
2002 OP_{19}	2002 08 09.4	21 16.29	−07 46.2	18.2	−1.05	−	3.5	3.6/11.3	33711
2001 HE_{62}	2002 08 09.4	21 16.30	−14 29.9	17.1	−0.83	−	1.3	0.5/09.7	33910
1999 VM_{192}	2002 08 09.4	21 16.32	−23 31.1	18.0	−1.08	−	1.6	3.2/07.7	33841
2001 DQ_{88}	2002 08 09.4	21 16.35	−20 47.9	20.3	−1.13	−	3.4	2.1/08.3	12304
2001 FV_{20}	2002 08 09.4	21 16.37	−02 53.3	18.7	−0.82	−	4.6	4.7/13.0	33385
2000 DV_{37}	2002 08 09.4	21 16.38	−14 19.1	19.1	−0.79	−	4.4	0.5/09.8	33865
1999 VT_{34}	2002 08 09.4	21 16.40	−06 49.2	18.6	−0.99	−	2.9	4.2/11.5	33129
2000 AT_{46}	2002 08 09.4	21 16.41	−17 03.9	19.8	−0.95	−	5.7	0.5/09.1	33853
2001 DO_{83}	2002 08 09.4	21 16.43	−15 23.9	19.1	−0.95	−	5.8	0.2/09.6	33899
2000 BP_{17}	2002 08 09.4	21 16.53	−19 50.2	19.6	−1.16	−	1.8	1.6/08.6	33197
2001 FK_{144}	2002 08 09.4	21 16.54	−05 26.1	18.9	−0.82	−	6.1	3.3/12.4	33906
2001 HY_{53}	2002 08 09.4	21 16.62	−39 24.1	17.8	−0.88	−	7.2	7.1/01.9	14932
2000 BD_{34}	2002 08 09.4	21 16.69	−16 57.7	19.0	−0.97	−	3.1	0.4/09.2	33198
1999 XN_{46}	2002 08 09.4	21 16.73	−05 24.2	18.5	−0.97	−	2.7	4.8/11.9	33844
2001 BE_{54}	2002 08 09.5	21 16.65	−15 11.2	19.5	−0.99	−	4.0	0.2/09.7	12278
2001 FE_{72}	2002 08 09.5	21 16.66	−34 01.2	19.5	−0.91	−	2.6	5.9/04.9	13835
1999 XM_{217}	2002 08 09.5	21 16.69	−33 33.2	18.0	−0.63	−16.9		8.6/01.9	33851
1999 VS_{220}	2002 08 09.5	21 16.72	−16 50.3	20.1	−1.05	−	3.5	0.4/09.3	17092
2000 EO_{110}	2002 08 09.5	21 16.74	−26 19.2	19.2	−0.82	−	2.9	2.8/06.8	16058
1999 RG_{66}	2002 08 09.5	21 16.74	−14 29.0	17.9	−0.97	−	6.4	0.7/09.9	33818
2001 DV_{26}	2002 08 09.5	21 16.76	−18 41.0	19.1	−0.97	−	4.9	1.1/08.8	12296
1999 TN_{9}	2002 08 09.5	21 16.85	−29 56.1	17.9	−1.10	−	2.4	6.3/06.3	12162
2002 OX_{20}	2002 08 09.5	21 16.88	−21 22.6	17.6	−0.87	−10.6		2.1/07.8	33711
1999 UE_{14}	2002 08 09.5	21 16.88	−27 47.4	20.1	−1.07	−	5.0	4.4/06.4	14145
1999 XO_{57}	2002 08 09.5	21 16.89	−26 25.2	18.5	−0.93	−	5.6	3.8/06.7	33845
1991 PB_{3}	2002 08 09.5	21 16.94	−17 26.5	16.5	−1.02	+	2.4	0.5/09.3	33752
2001 EH_{3}	2002 08 09.5	21 16.98	−39 09.9	19.8	−1.19	−	0.6	8.3/04.3	11929
2002 NX_{23}	2002 08 09.5	21 16.98	−10 59.2	17.2	−0.87	−	0.8	1.7/10.6	34024
2002 NA_{56}	2002 08 09.5	21 17.06	−09 17.0	18.2	−0.87	−	6.1	2.6/11.4	33693
2000 BS_{49}	2002 08 09.6	21 17.07	−23 50.8	17.5	−1.13	+	1.3	3.4/08.1	33861
2001 DB_{59}	2002 08 09.6	21 17.13	−28 57.4	18.9	−0.83	−	9.6	3.9/05.4	13815
2000 EH_{157}	2002 08 09.6	21 17.15	−25 49.2	19.1	−0.77	−	6.1	2.7/06.7	33870
1998 VO_{17}	2002 08 09.6	21 17.21	−01 34.1	18.6	−0.83	−	3.7	5.1/13.0	33787
2000 AB_{118}	2002 08 09.6	21 17.21	−02 30.0	18.4	−0.87	−	1.3	4.6/12.8	33187
2000 AR_{3}	2002 08 09.6	21 17.33	−09 36.6	17.8	−1.12	+	1.3	2.6/10.8	33177
2000 GL_{182}	2002 08 09.6	21 17.40	−09 27.3	18.7	−0.75	−	5.3	2.2/11.5	33875
1995 QP_{5}	2002 08 09.6	21 17.40	−08 13.3	20.3	−0.96	−	0.9	3.8/11.3	15010
2000 AP_{27}	2002 08 09.6	21 17.45	−23 15.4	18.9	−0.90	−	3.5	2.6/07.8	31888
1999 TN_{258}	2002 08 09.7	21 17.39	−17 27.4	18.3	−1.05	−	1.9	0.8/09.3	33115
2000 AS_{36}	2002 08 09.7	21 17.41	−17 09.9	19.5	−0.79	−	3.6	0.4/09.3	15055
2000 EY_{2}	2002 08 09.7	21 17.63	−07 35.1	17.8	−0.78	−	6.8	3.2/12.1	33220
2000 CF_{66}	2002 08 09.7	21 17.63	−10 31.5	16.7	−1.04	+	3.1	2.3/10.6	33205
1999 XA_{253}	2002 08 09.7	21 17.66	−24 48.1	19.6	−0.95	−	5.7	3.7/07.3	33174
2000 CR_{26}	2002 08 09.7	21 17.67	−15 23.0	17.9	−0.86	−	1.4	0.1/09.8	33202
1999 XK_{32}	2002 08 09.7	21 17.70	−24 19.6	19.0	−0.91	−	8.0	2.8/07.2	*38835*
1999 VY_{123}	2002 08 09.7	21 17.72	−13 41.8	19.0	−0.87	−	5.7	1.0/10.3	33139
1998 KF_{26}	2002 08 09.7	21 17.75	−09 08.1	18.1	−0.84	−	7.4	3.2/11.7	33768
2001 FG_{27}	2002 08 09.7	21 17.76	−11 57.4	18.8	−0.93	−	2.7	1.4/10.7	33386
1999 VS_{63}	2002 08 09.7	21 17.79	−29 28.6	18.5	−1.04	−	3.4	5.7/06.4	12191
1999 LB_{12}	2002 08 09.7	21 17.79	−53 12.6	18.8	−1.41	−11.4		16.8/25.7	9731
1997 HN_{13}	2002 08 09.8	21 17.80	−11 42.8	20.0	−0.83	−	5.8	1.6/10.9	9057
2002 PL_{94}	2002 08 09.8	21 17.81	−05 28.7	17.9	−0.77	−	4.6	5.2/12.6	33734
1999 VV_{37}	2002 08 09.8	21 17.84	−35 17.0	20.0	−1.02	−	5.0	6.0/04.3	14148
2001 KZ_{56}	2002 08 09.8	21 17.85	−12 34.7	18.2	−0.78	−	7.1	1.0/10.7	33912
2002 PY_{4}	2002 08 09.8	21 17.89	+03 11.9	18.0	−0.94	+	1.0	8.7/13.9	33716
1999 VG_{81}	2002 08 09.8	21 17.90	−13 27.7	18.7	−0.95	−	5.6	0.8/10.4	*40398*
1999 XA_{72}	2002 08 09.8	21 17.91	−20 30.1	19.8	−0.97	−	5.2	1.8/08.6	33845
1998 QC_{14}	2002 08 09.8	21 17.96	−04 31.8	17.8	−0.71	−	6.9	5.6/13.0	33770
1999 UE_{25}	2002 08 09.8	21 17.97	−06 34.1	19.7	−1.04	−	3.0	4.0/11.9	33123
1997 KN_{1}	2002 08 09.8	21 18.00	−23 06.1	20.3	−0.89	−	5.3	2.9/07.8	16757
2000 AJ_{237}	2002 08 09.8	21 18.09	−11 47.3	17.2	−0.80	−	1.6	1.1/10.8	33860
2000 AZ_{123}	2002 08 09.8	21 18.14	−07 04.3	18.4	−0.87	−	2.2	2.8/11.9	33188
1998 XB_{20}	2002 08 09.8	21 18.14	−19 35.4	21.0	−0.81	−	4.0	1.1/08.9	18185
2002 PZ_{38}	2002 08 09.8	21 18.18	−10 58.2	18.2	−0.87	−	4.4	2.4/11.1	33726
2001 FA_{144}	2002 08 09.8	21 18.18	−37 23.0	18.4	−1.00	−	4.1	7.7/03.7	16094
2002 OS_{10}	2002 08 09.8	21 18.20	−13 29.7	17.0	−0.95	+	1.0	0.9/10.3	33702
1999 TG_{8}	2002 08 09.8	21 18.22	−20 48.5	16.9	−1.12	−	2.1	2.1/08.8	33826
1995 SJ_{57}	2002 08 09.9	21 18.17	−13 27.3	21.4	−0.96	−	4.4	0.8/10.5	15573
2000 BV_{20}	2002 08 09.9	21 18.30	−21 50.1	18.9	−0.75	−	8.9	1.9/08.0	33860
1999 CY_{82}	2002 08 09.9	21 18.45	−24 38.9	18.0	−0.89	−	2.0	2.8/07.8	33799
2002 KN_{9}	2002 08 09.9	21 18.45	−33 54.4	17.8	−0.69	−13.2		8.3/02.8	33591
2001 DC_{17}	2002 08 09.9	21 18.48	−23 29.4	18.4	−0.95	−	7.4	3.1/07.7	11863
2002 NB_{38}	2002 08 09.9	21 18.48	−00 15.2	17.8	−1.00	+	0.8	6.3/13.0	33680
2001 FV_{37}	2002 08 09.9	21 18.50	−12 01.8	17.8	−0.93	−	2.6	1.5/10.8	33388
2000 AL_{67}	2002 08 09.9	21 18.52	−14 38.8	17.6	−0.88	−	1.0	0.4/10.2	33182
1999 VF_{165}	2002 08 10.0	21 18.57	−26 45.9	20.3	−1.04	−	3.6	4.1/07.3	13625
2002 PL_{26}	2002 08 10.0	21 18.58	−13 19.1	19.2	−0.93	−	5.5	1.0/10.6	33723
2000 DP_{86}	2002 08 10.0	21 18.62	−25 35.1	19.5	−0.93	−	4.6	3.4/07.4	30351
1998 QD_{36}	2002 08 10.0	21 18.64	−09 30.9	17.1	−0.75	−	8.9	2.7/12.0	33771
1994 PE_{16}	2002 08 10.0	21 18.66	−14 58.5	18.2	−0.96	−	2.6	0.3/10.2	33755
2000 AJ_{118}	2002 08 10.0	21 18.77	−09 39.8	21.0	−0.86	−	5.0	1.9/11.6	17134
4551 P-L	2002 08 10.0	21 18.77	−14 31.5	19.4	−0.86	−	5.6	0.4/10.4	6139
1996 VV_{11}	2002 08 10.0	21 18.79	−22 26.7	18.9	−1.14	−	1.9	2.8/08.6	33760
1999 TC_{177}	2002 08 10.0	21 18.82	−23 23.2	19.4	−1.08	−	3.4	3.4/08.2	12174
2001 FY_{101}	2002 08 10.0	21 18.83	−02 49.4	19.7	−0.88	−	4.3	4.7/13.5	33905
2001 CY_{20}	2002 08 10.0	21 18.84	−44 13.7	21.3	−1.11	−	6.8	7.9/01.4	12287
1998 SE_{12}	2002 08 10.0	21 18.84	−49 32.3	19.9	−1.44	−	0.6	14.1/30.3	4918
2000 HY_{90}	2002 08 10.0	21 18.84	−43 58.5	20.1	−0.91	−	5.3	6.8/01.1	18267
1988 DX_{4}	2002 08 10.0	21 18.89	−01 43.8	20.3	−0.82	−	6.1	4.3/14.1	13531
2002 OM_{1}	2002 08 10.0	21 18.90	−02 34.2	17.6	−0.85	−	2.7	5.8/13.4	33696
2001 FG_{53}	2002 08 10.0	21 18.91	−20 40.6	18.4	−0.83	−	3.1	1.7/08.8	33390
2002 LA_{37}	2002 08 10.0	21 18.93	−02 43.9	18.0	−0.83	−	4.6	6.3/13.7	33618
2000 GK_{20}	2002 08 10.1	21 19.01	−28 39.3	19.7	−0.89	−	2.5	3.6/06.8	7020
2000 EQ_{82}	2002 08 10.1	21 19.02	−12 46.3	18.8	−0.71	−	6.5	0.8/11.0	33223
1999 TF_{190}	2002 08 10.1	21 19.05	−18 36.8	18.3	−1.20	−	0.3	1.4/09.5	33832
2002 OF_{14}	2002 08 10.1	21 19.11	−01 10.7	17.5	−0.66	−	5.0	7.4/14.5	33706

2002 PC_{26}	2002 08 10.1	21 19.12	−11 36.0	17.8	−0.97	−	5.2	1.8/11.2	33722
1999 YE_{18}	2002 08 10.1	21 19.20	−02 32.8	17.7	−0.91	−	5.0	5.0/13.6	33852
1996 OL_{2}	2002 08 10.1	21 19.23	−04 01.0	18.2	−0.78	−	1.9	3.7/13.0	33759
1998 QE_{107}	2002 08 10.1	21 19.38	+01 17.5	18.4	−0.97	−	0.2	6.7/13.0	33032
1998 SU_{103}	2002 08 10.2	21 19.29	−38 02.7	16.9	−1.10	+	2.1	10.5/05.9	12140
2002 OY_{22}	2002 08 10.2	21 19.30	−32 49.9	19.3	−1.02	−	4.7	5.6/05.3	33713
1998 RS_{79}	2002 08 10.2	21 19.31	−10 33.4	18.0	−0.71	−	7.9	2.4/11.8	33777
1999 VA	2002 08 10.2	21 19.33	−27 24.2	18.3	−1.00	−	5.9	4.9/06.9	13618
2001 HK_{58}	2002 08 10.2	21 19.34	−33 18.0	18.4	−0.84	−	5.2	5.3/05.0	33910
1997 DQ	2002 08 10.2	21 19.36	−25 57.4	18.7	−1.10	−	2.5	3.8/07.8	33760
1999 XT_{109}	2002 08 10.2	21 19.40	−22 41.6	18.2	−1.03	−	7.0	3.1/08.2	33847
1998 ET_{3}	2002 08 10.2	21 19.44	−21 08.4	17.7	−0.94	−	8.8	2.5/08.6	33764
1998 VH_{47}	2002 08 10.2	21 19.46	−20 21.7	18.9	−0.85	−	4.4	1.7/09.0	33788
2000 AE_{39}	2002 08 10.2	21 19.48	−17 28.0	18.1	−1.03	+	0.6	0.7/09.9	33853
2000 EH_{78}	2002 08 10.2	21 19.51	−19 11.5	20.7	−0.75	−	3.3	0.9/09.3	27661
2000 CQ_{121}	2002 08 10.2	21 19.54	−16 50.6	18.3	−0.81	−	4.8	0.4/09.9	33864
2002 NX_{44}	2002 08 10.2	21 19.54	−07 46.8	17.0	−0.76	−	8.9	3.8/13.0	33685
1999 VK_{89}	2002 08 10.2	21 19.54	−13 08.5	20.0	−1.01	−	4.9	1.0/10.9	13623
1996 XG_{11}	2002 08 10.2	21 19.54	−16 36.6	19.1	−0.98	−	6.4	0.4/10.0	15580
1999 XN_{98}	2002 08 10.2	21 19.65	−25 08.7	16.7	−0.99	−	5.1	4.6/07.7	33161
2001 FK_{50}	2002 08 10.2	21 19.68	−32 55.3	18.3	−1.09	−	1.1	5.8/06.4	13304
2001 FC_{170}	2002 08 10.2	21 19.68	−19 18.3	18.7	−1.09	+	1.0	1.4/09.6	33404
1998 HD_{42}	2002 08 10.2	21 19.76	−16 17.6	18.9	−1.01	−	7.4	0.3/10.1	33767
2001 FF_{21}	2002 08 10.3	21 19.80	−19 50.6	18.3	−0.84	−	7.0	1.5/09.1	33901
2002 OT_{10}	2002 08 10.3	21 19.81	−19 04.0	17.4	−0.88	−	6.4	1.7/09.4	33702
1998 TH_{32}	2002 08 10.3	21 19.86	+03 13.4	18.9	−0.80	−	3.9	6.2/15.4	33785
2001 FD_{137}	2002 08 10.3	21 19.89	−25 31.2	18.7	−0.80	−	6.9	3.4/07.4	33401
1880 T-3	2002 08 10.3	21 19.91	−20 20.2	18.8	−0.93	−	0.3	1.7/09.3	3849
1998 SZ_{117}	2002 08 10.3	21 19.92	−24 22.0	17.3	−0.95	−	1.9	3.4/08.3	25719
2002 PB_{5}	2002 08 10.3	21 20.07	+02 04.8	18.4	−0.87	−	1.6	5.7/14.7	33716
2001 FG_{175}	2002 08 10.3	21 20.09	−13 13.9	16.9	−0.71	−10.1		0.8/11.2	33907
1997 MZ_{7}	2002 08 10.4	21 20.06	−10 19.7	19.7	−0.88	−	1.2	1.8/11.6	33013
2000 BA_{29}	2002 08 10.4	21 20.13	−23 19.4	17.6	−0.90	−	8.1	3.1/08.1	33860
2002 NC_{24}	2002 08 10.4	21 20.16	−09 13.7	16.9	−1.11	+	2.3	3.2/11.6	33665
2001 FQ_{78}	2002 08 10.4	21 20.19	−02 19.7	17.4	−0.72	−	5.7	4.2/14.4	33904
1999 TL_{253}	2002 08 10.4	21 20.21	−25 02.7	18.8	−1.07	−	2.5	3.9/08.2	33833
1998 RH_{57}	2002 08 10.4	21 20.22	−19 51.5	17.5	−0.91	−	2.5	1.9/09.4	33038
2001 FQ_{19}	2002 08 10.4	21 20.24	−11 44.5	20.1	−0.89	−	3.9	1.3/11.4	13287
1999 XS_{200}	2002 08 10.4	21 20.25	−07 03.9	18.8	−0.91	−	1.2	2.7/12.4	33171
1995 UR_{9}	2002 08 10.4	21 20.26	−06 55.1	18.6	−0.91	−	5.5	3.6/13.0	33758
2000 CG_{23}	2002 08 10.4	21 20.29	−09 31.6	18.3	−0.85	−	4.7	2.2/12.1	33861
2002 PX_{63}	2002 08 10.4	21 20.30	−02 35.5	17.3	−0.85	−	2.6	6.3/13.0	33731
1998 SW_{54}	2002 08 10.4	21 20.31	−11 59.0	17.2	−0.74	−	6.1	1.7/11.5	33778
1999 TR_{21}	2002 08 10.4	21 20.34	−28 59.5	19.2	−1.06	−	4.9	5.4/06.9	*38089*
1999 CX_{64}	2002 08 10.4	21 20.35	+03 11.0	18.5	−0.75	−	2.5	5.4/15.3	33068
1997 GZ_{9}	2002 08 10.4	21 20.44	−23 49.6	19.4	−1.03	−	3.7	2.9/08.4	*40316*
2039 P-L	2002 08 10.4	21 20.45	−06 51.6	18.1	−0.91	−	4.4	3.6/12.7	34056
1999 XT_{101}	2002 08 10.4	21 20.52	−16 18.5	18.2	−1.04	−	3.6	0.3/10.3	33161
2001 ES_{16}	2002 08 10.4	21 20.52	−13 17.7	18.2	−0.90	−	3.7	0.8/11.1	33382
2002 OQ_{19}	2002 08 10.5	21 20.45	−07 54.9	19.8	−0.84	−	4.4	2.9/12.5	33711
2000 AP_{116}	2002 08 10.5	21 20.48	−17 26.1	19.1	−0.84	−	8.1	0.6/09.9	33187
2001 CJ_{29}	2002 08 10.5	21 20.54	−23 15.5	18.7	−1.00	−	6.5	3.0/08.4	33368
1999 XR_{137}	2002 08 10.5	21 20.55	−19 50.0	18.4	−1.04	−	8.4	1.8/09.3	33848
2002 PR_{26}	2002 08 10.5	21 20.63	−11 12.4	17.8	−0.73	−	7.9	1.5/11.9	33723
2000 DO_{43}	2002 08 10.5	21 20.64	−16 33.8	19.1	−0.78	−	4.0	0.3/10.3	9320
2000 EB_{26}	2002 08 10.5	21 20.68	−17 41.0	18.2	−0.76	−	3.4	0.6/10.0	33868
2002 OM_{6}	2002 08 10.5	21 20.69	−00 59.8	18.8	−0.97	−	1.6	5.7/14.1	33699
1998 RR_{53}	2002 08 10.5	21 20.70	−02 02.6	17.5	−0.76	−	5.6	6.1/14.6	33776
2002 LP_{53}	2002 08 10.5	21 20.70	−10 50.4	16.7	−0.71	−	8.8	1.6/12.1	33629
2000 AX_{30}	2002 08 10.5	21 20.73	−13 01.3	18.9	−0.92	−	1.1	0.8/11.1	33178
1999 VE_{176}	2002 08 10.5	21 20.78	−13 27.7	18.2	−0.93	−	8.8	0.9/11.2	33840
1999 VE_{79}	2002 08 10.5	21 20.79	−05 40.8	18.4	−0.94	−	4.1	3.9/13.1	33838
2002 OJ_{14}	2002 08 10.5	21 20.79	−01 55.3	16.9	−0.75	−	5.7	5.7/14.5	33706
2000 XH_{15}	2002 08 10.5	21 20.79	−53 43.6	19.0	−1.60	+	0.4	13.2/01.3	13799
1999 UF_{16}	2002 08 10.5	21 20.87	−27 39.8	18.8	−1.08	−	3.1	4.7/07.6	13617
2001 FL_{6}	2002 08 10.5	21 20.90	−21 08.6	18.5	−0.99	−	2.6	2.2/09.3	33383
1997 EJ_{16}	2002 08 10.6	21 20.81	−20 14.8	19.4	−1.10	−	3.5	1.9/09.5	*37664*
1981 EP_{21}	2002 08 10.6	21 20.84	−31 12.3	17.2	−1.16	+	2.7	7.3/07.9	32996
2001 FA_{37}	2002 08 10.6	21 20.92	−14 17.6	20.4	−0.94	−	4.8	0.4/10.9	12001
1999 TA_{193}	2002 08 10.6	21 20.98	−11 39.0	19.2	−1.05	−	1.9	1.6/11.5	33832
1998 RA_{50}	2002 08 10.6	21 21.05	−33 03.9	18.5	−1.09	+	0.4	7.4/07.0	14117
1998 SR_{147}	2002 08 10.6	21 21.07	−01 58.7	17.9	−0.76	−	6.5	5.3/14.8	33784
2002 PF_{26}	2002 08 10.6	21 21.10	−11 59.8	17.1	−0.80	−	7.7	1.8/11.7	33722
2001 CZ_{20}	2002 08 10.6	21 21.15	−09 37.0	21.6	−0.94	−	5.1	1.8/12.2	13810
2000 DO_{87}	2002 08 10.6	21 21.17	−18 09.0	17.5	−0.72	−10.9		0.9/09.8	33866
1999 VM_{220}	2002 08 10.7	21 21.19	−10 53.8	19.2	−0.98	−	3.1	1.7/11.8	33146
2001 HE_{59}	2002 08 10.7	21 21.20	−05 16.6	19.4	−0.80	−	2.6	3.1/13.3	33910
2001 FG_{138}	2002 08 10.7	21 21.20	−09 09.7	18.6	−0.87	−	6.3	2.6/12.5	33402
2001 GY_{2}	2002 08 10.7	21 21.24	−05 06.3	18.8	−0.89	−11.4		3.4/14.1	33405
2002 OE_{21}	2002 08 10.7	21 21.25	−12 36.6	18.4	−0.92	−	8.3	1.2/11.6	33711
1999 VF_{90}	2002 08 10.7	21 21.28	−02 28.3	19.2	−0.92	−	5.0	4.6/14.2	12997
2000 AS_{173}	2002 08 10.7	21 21.30	+02 43.4	19.3	−0.85	−	3.6	5.6/15.5	33858
2000 EG_{149}	2002 08 10.7	21 21.32	−20 12.5	18.6	−0.96	−	3.7	1.7/09.5	31904
1999 VU_{48}	2002 08 10.7	21 21.34	−27 18.6	17.3	−1.11	−	2.8	4.9/07.9	33837
2002 OC_{21}	2002 08 10.7	21 21.35	−17 33.0	18.9	−0.86	−	6.1	1.0/10.2	33711
2002 PY_{26}	2002 08 10.7	21 21.40	−07 59.9	18.9	−0.84	−	1.5	2.4/12.5	33723
2001 HJ_{39}	2002 08 10.7	21 21.43	−13 32.2	18.7	−0.81	−	4.3	0.7/11.3	33909
2000 AF_{196}	2002 08 10.7	21 21.60	−02 32.5	18.1	−0.86	−	5.8	4.6/14.4	33859
2406 T-2	2002 08 10.8	21 21.62	−02 28.9	19.5	−0.66	−	3.8	3.0/14.5	9650
1999 TU_{176}	2002 08 10.8	21 21.62	−61 23.4	18.3	−1.76	+	1.8	15.9/30.6	14375
2002 NH_{24}	2002 08 10.8	21 21.65	−06 28.4	17.5	−0.86	−	1.9	4.9/13.0	33665
2000 FF_{11}	2002 08 10.8	21 21.68	−37 10.2	19.4	−1.06	−	2.0	6.5/05.2	30353
1999 XH_{7}	2002 08 10.8	21 21.69	−38 54.5	18.2	−1.05	−	3.7	8.3/04.5	13628
1996 XH_{33}	2002 08 10.8	21 21.71	−25 06.6	18.2	−1.03	−	7.4	4.0/08.0	33760
1995 SX_{87}	2002 08 10.8	21 21.79	−17 40.2	21.5	−0.97	−	4.6	0.8/10.3	15574
1998 QE_{88}	2002 08 10.8	21 21.80	−16 39.4	17.0	−1.05	+	0.7	0.5/10.6	33773
1999 VL_{185}	2002 08 10.8	21 21.81	−20 30.1	19.7	−0.93	−	4.9	1.7/09.5	33841
1999 XA_{231}	2002 08 10.8	21 21.82	−40 52.5	16.6	−1.11	−	2.9	9.9/03.5	31887
1999 TA_{177}	2002 08 10.8	21 21.83	−20 09.9	20.8	−1.08	−	3.8	1.8/09.7	17051
1999 TZ_{176}	2002 08 10.8	21 21.86	−05 01.7	17.7	−0.90	−	5.4	5.0/13.7	33107
1998 UZ_{30}	2002 08 10.8	21 21.95	−37 02.7	18.0	−0.93	−	6.1	8.3/04.0	12910
1998 WR_{22}	2002 08 10.8	21 22.03	−13 07.5	19.1	−0.84	−	4.3	0.8/11.5	33789

1999 XL_{20}	2002 08 10.9	21 21.96	−19 17.3	18.8	−0.97	− 5.3	1.4/09.9	13628
2000 EE_{190}	2002 08 10.9	21 22.04	−09 01.9	19.2	−0.71	− 7.0	2.1/12.9	33871
2001 FW_{102}	2002 08 10.9	21 22.06	−19 56.9	19.3	−1.03	− 2.8	1.8/09.9	12070
2001 EE_{5}	2002 08 10.9	21 22.08	−22 56.6	18.8	−0.96	− 3.5	2.8/09.1	33900
2000 BE_{32}	2002 08 10.9	21 22.10	−12 38.6	19.8	−0.83	− 4.1	0.9/11.7	33861
2000 EJ_{22}	2002 08 10.9	21 22.10	−13 37.1	19.4	−0.80	− 4.3	0.6/11.4	7009
2001 HW_{2}	2002 08 10.9	21 22.10	−09 08.1	18.9	−0.83	− 4.3	2.2/12.6	33407
2000 DY_{56}	2002 08 10.9	21 22.14	−14 30.3	19.4	−0.90	− 3.8	0.3/11.2	33866
2002 OJ_{2}	2002 08 10.9	21 22.18	+09 14.8	18.4	−0.84	− 3.7	8.6/17.8	33696
2002 NA_{38}	2002 08 10.9	21 22.21	−09 22.0	17.5	−0.77	−16.8	2.2/13.2	34026
1999 TA_{113}	2002 08 10.9	21 22.21	−12 22.7	18.1	−1.07	− 2.3	1.3/11.6	33829
1994 WH_{5}	2002 08 10.9	21 22.22	−13 16.0	21.4	−0.88	− 4.2	0.7/11.5	19248
2002 OJ_{9}	2002 08 10.9	21 22.24	−08 42.3	19.0	−0.82	− 4.2	2.5/12.7	33701
2001 FD_{91}	2002 08 10.9	21 22.27	−08 02.6	19.3	−0.83	− 6.5	2.3/13.1	33905
1999 TX_{80}	2002 08 10.9	21 22.27	−23 31.7	19.0	−1.05	− 4.3	3.4/08.9	12169
2001 HD_{49}	2002 08 10.9	21 22.28	−17 51.4	19.5	−1.02	− 2.4	0.8/10.4	33909
2001 FL_{112}	2002 08 10.9	21 22.29	+05 40.6	17.0	−0.71	− 6.5	9.4/18.0	33905
2001 HX_{57}	2002 08 10.9	21 22.34	−32 07.7	19.4	−0.93	− 5.3	5.2/06.2	13858
2000 AB_{103}	2002 08 10.9	21 22.36	−21 20.8	18.9	−0.86	− 5.6	1.8/09.3	33856
1999 TE_{30}	2002 08 10.9	21 22.36	−18 50.0	18.7	−1.06	− 3.7	1.3/10.2	33827
2001 JY_{9}	2002 08 11.0	21 22.38	−05 44.3	19.3	−0.73	− 4.2	3.0/13.7	33910
2001 DG_{105}	2002 08 11.0	21 22.51	−10 28.0	18.4	−1.05	− 3.3	2.0/12.2	33379
1999 TF_{151}	2002 08 11.0	21 22.52	−28 03.5	18.4	−1.07	− 4.3	4.9/07.8	33830
2000 BN_{34}	2002 08 11.0	21 22.53	−21 51.8	19.6	−0.86	− 4.8	2.1/09.3	33861
2001 DD_{81}	2002 08 11.0	21 22.54	−22 23.4	18.9	−1.01	− 6.4	2.7/09.1	33899
2001 HQ_{62}	2002 08 11.0	21 22.60	−33 15.4	18.7	−0.91	− 3.7	5.9/06.1	31947
2000 CR_{102}	2002 08 11.0	21 22.64	−10 43.6	18.8	−0.91	− 4.9	1.7/12.3	33864
1999 XV_{181}	2002 08 11.0	21 22.69	−26 15.9	16.8	−1.07	+ 0.4	5.7/08.7	33850
2001 AG_{44}	2002 08 11.0	21 22.70	−42 35.6	16.8	−1.95	+ 8.1	13.9/07.8	12271
2000 AU_{112}	2002 08 11.0	21 22.71	+00 29.3	19.3	−0.89	− 2.0	4.9/14.9	*40436*
2001 KF_{29}	2002 08 11.0	21 22.71	−03 39.1	17.2	−0.79	− 2.1	4.2/14.0	33911
1999 XK_{112}	2002 08 11.0	21 22.72	−20 54.9	19.1	−0.89	− 2.6	1.7/09.7	*38848*
2001 FU_{97}	2002 08 11.0	21 22.72	−60 10.3	20.1	−1.71	+ 1.0	14.1/29.8	13331
2001 FV_{70}	2002 08 11.0	21 22.72	−23 15.9	17.8	−0.90	− 4.6	3.1/09.0	33904
1999 XR_{103}	2002 08 11.0	21 22.73	−17 23.0	18.4	−0.98	− 4.0	0.9/10.6	33847
2000 AU_{30}	2002 08 11.0	21 22.76	−26 48.0	18.0	−0.92	− 4.9	4.2/07.9	33853
1996 AA_{2}	2002 08 11.0	21 22.77	−37 34.0	18.2	−1.03	− 6.5	7.7/04.3	14349
2001 DZ_{98}	2002 08 11.0	21 22.79	−13 16.5	17.2	−1.05	+ 0.9	0.9/11.5	33899
1998 RZ_{80}	2002 08 11.0	21 22.80	−10 37.7	17.8	−0.99	+ 0.9	2.1/12.0	33777
2002 NA_{24}	2002 08 11.1	21 22.71	−09 45.0	17.5	−1.02	− 0.3	2.8/12.3	33664
2001 GR_{1}	2002 08 11.1	21 22.74	−19 39.5	18.4	−0.76	− 7.9	1.4/09.8	33907
1999 TM_{293}	2002 08 11.1	21 22.75	−17 51.1	19.1	−0.94	− 3.2	0.8/10.5	33834
2002 NR_{24}	2002 08 11.1	21 22.79	−19 15.4	17.6	−1.07	−22.7	1.7/09.7	33666
2000 DA_{29}	2002 08 11.1	21 22.92	−21 16.6	19.8	−0.92	− 0.2	2.0/09.8	33211
1998 QP_{101}	2002 08 11.1	21 22.98	−21 33.1	18.2	−0.91	− 4.0	2.2/09.5	33773
1997 HA_{17}	2002 08 11.1	21 22.98	−11 00.2	20.4	−0.85	− 5.6	1.6/12.4	33761
1999 HJ_{3}	2002 08 11.1	21 23.00	−58 47.0	19.2	−1.60	− 6.9	20.3/24.4	6834
1999 XT_{165}	2002 08 11.1	21 23.01	−20 30.8	18.9	−0.88	− 4.9	1.6/09.8	33849
2001 DT_{107}	2002 08 11.1	21 23.07	−06 24.9	17.7	−0.75	−10.3	3.7/14.2	33899
1999 JS	2002 08 11.1	21 23.07	−60 13.8	18.6	−1.57	− 6.5	21.1/24.0	9724
1998 HR_{45}	2002 08 11.1	21 23.09	−10 21.0	18.4	−1.02	− 3.7	2.1/12.4	33767
2000 AQ_{145}	2002 08 11.1	21 23.12	−06 00.0	18.8	−0.82	− 3.2	2.8/13.6	33189
2000 EV_{74}	2002 08 11.1	21 23.15	−07 17.4	19.6	−0.87	− 5.6	2.8/13.0	33869
1998 US_{3}	2002 08 11.2	21 23.09	−06 38.3	17.2	−0.72	− 7.6	4.5/13.0	33056
1999 TY_{290}	2002 08 11.2	21 23.22	−06 50.1	18.3	−0.90	− 8.5	3.8/13.7	33117
2000 AN_{139}	2002 08 11.2	21 23.24	−15 07.3	17.5	−0.95	− 7.1	0.1/11.3	33857
1998 SU_{32}	2002 08 11.2	21 23.35	−03 37.9	19.9	−0.84	− 6.7	3.9/14.6	10336
1999 VD_{212}	2002 08 11.2	21 23.36	+01 43.5	21.4	−0.84	− 3.7	5.1/15.9	14154
2002 PF	2002 08 11.2	21 23.37	−14 02.7	17.5	−0.86	− 1.1	0.6/11.6	33714
1999 XO_{243}	2002 08 11.2	21 23.44	−21 45.0	17.6	−0.97	+ 0.9	1.8/10.0	33174
2002 PU_{67}	2002 08 11.2	21 23.45	−09 53.4	18.0	−0.91	− 7.2	2.5/12.8	33731
1998 WG_{18}	2002 08 11.2	21 23.50	−30 58.6	18.1	−0.89	− 3.1	4.6/07.1	31846
2001 FH_{80}	2002 08 11.2	21 23.50	−03 38.2	19.3	−0.92	− 4.2	3.9/14.3	14423
2000 CP_{122}	2002 08 11.2	21 23.50	−17 57.0	19.0	−0.83	− 3.6	0.9/10.6	27660
2000 DV_{33}	2002 08 11.2	21 23.53	−14 36.9	20.3	−0.76	− 2.8	0.2/11.5	33212
1998 RO_{68}	2002 08 11.3	21 23.49	−32 31.2	17.7	−1.10	+ 1.8	7.5/07.9	33776
1995 UE_{59}	2002 08 11.3	21 23.49	−21 22.8	18.4	−0.85	− 5.9	3.0/09.6	33006
2000 AG_{101}	2002 08 11.3	21 23.56	−24 27.6	19.4	−0.99	− 6.8	3.3/08.7	33856
2001 FK_{98}	2002 08 11.3	21 23.57	−27 21.6	19.2	−0.89	− 5.9	4.0/07.9	33905
2000 EW_{82}	2002 08 11.3	21 23.59	−26 56.7	18.6	−0.81	− 3.7	3.2/08.1	31903
2001 DZ_{88}	2002 08 11.3	21 23.69	−02 44.2	19.6	−0.80	−10.3	4.7/15.5	33899
2000 DX_{22}	2002 08 11.3	21 23.70	−19 16.0	18.0	−0.91	− 0.7	1.4/10.5	33210
2001 FN_{43}	2002 08 11.3	21 23.78	−14 25.3	20.4	−0.94	− 5.0	0.3/11.6	33902
2002 PW_{9}	2002 08 11.3	21 23.80	−07 52.5	19.4	−0.83	− 2.8	2.7/13.3	33718
2000 CY_{93}	2002 08 11.3	21 23.84	−15 21.1	19.2	−0.73	− 4.3	0.0/11.4	33864
1999 XB_{198}	2002 08 11.3	21 23.84	−31 48.3	18.1	−0.98	− 4.8	5.7/06.7	14383
2001 BZ_{25}	2002 08 11.3	21 23.88	−16 40.7	18.9	−0.87	− 9.4	0.5/11.0	12274
1998 TO	2002 08 11.4	21 23.85	−18 45.8	18.1	−0.78	−12.0	1.4/10.2	33785
2000 EN_{75}	2002 08 11.4	21 23.88	+08 44.4	19.3	−0.67	− 4.3	5.8/18.7	1576
1998 SX_{1}	2002 08 11.4	21 23.88	−39 34.7	17.4	−1.10	− 1.1	10.2/05.0	31828
2000 DQ_{18}	2002 08 11.4	21 23.90	−11 30.5	20.7	−0.72	− 4.4	1.0/12.5	19515
1999 JF_{14}	2002 08 11.4	21 23.93	−60 36.2	18.9	−1.84	− 3.0	19.9/26.0	14784
1999 XM_{207}	2002 08 11.4	21 23.93	−40 06.6	17.3	−0.93	− 4.8	11.0/03.4	17112
2001 FO_{188}	2002 08 11.4	21 23.95	−38 27.5	20.4	−1.11	− 2.2	7.8/05.7	17596
1995 FX_{11}	2002 08 11.4	21 23.98	−25 36.8	18.2	−0.99	0.0	5.8/09.2	33002
2000 CQ_{56}	2002 08 11.4	21 23.99	−09 58.2	20.0	−0.79	− 6.4	1.7/13.0	19504
2002 OY_{10}	2002 08 11.4	21 24.03	−14 31.2	18.3	−0.82	− 9.8	0.3/11.7	33702
2000 AF_{162}	2002 08 11.4	21 24.11	−16 40.1	21.3	−0.88	− 3.9	0.4/11.1	27658
2001 CE_{4}	2002 08 11.4	21 24.16	−19 56.3	19.5	−0.99	− 3.2	1.7/10.3	33894
2000 CE_{30}	2002 08 11.4	21 24.16	−11 47.0	18.5	−0.72	− 6.3	1.1/12.5	33862
1999 TG_{50}	2002 08 11.4	21 24.17	−05 51.4	19.4	−0.92	− 7.3	3.7/14.2	33097
2001 KZ_{50}	2002 08 11.4	21 24.18	+08 34.7	18.2	−0.75	− 2.8	7.6/18.5	33418
1993 QT_{6}	2002 08 11.4	21 24.25	−19 49.5	18.9	−0.91	− 2.8	1.7/10.3	*33485*
1997 UK_{8}	2002 08 11.4	21 24.25	−18 25.3	18.5	−0.77	− 3.8	0.9/10.6	33763
1999 WV_{1}	2002 08 11.5	21 24.23	−15 34.8	19.1	−0.97	− 5.6	0.1/11.4	33841
2001 FT_{146}	2002 08 11.5	21 24.23	−00 34.4	19.4	−0.83	− 4.3	5.1/15.6	13844
2000 AA_{214}	2002 08 11.5	21 24.28	−26 40.7	19.6	−0.91	− 8.6	3.9/07.9	*40443*
2000 CN_{62}	2002 08 11.5	21 24.28	−04 49.7	19.5	−0.79	− 4.8	2.9/14.4	707
1997 CJ_{22}	2002 08 11.5	21 24.29	−12 37.3	20.2	−0.93	− 5.4	0.9/12.2	13550
1999 TH_{153}	2002 08 11.5	21 24.29	−14 36.6	18.6	−1.03	− 3.6	0.2/11.7	33831
2002 LP_{43}	2002 08 11.5	21 24.33	−01 38.2	16.4	−0.60	−10.6	5.7/16.4	34017
2000 AM_{16}	2002 08 11.5	21 24.33	−09 14.5	16.6	−0.98	− 2.0	2.6/12.9	33853

2001 FG_{9}	2002 08 11.5	21 24.33	−09 42.2	18.8	−0.93	− 6.3	2.1/13.1	33901
2000 AH_{133}	2002 08 11.5	21 24.35	−25 51.1	18.4	−0.96	− 5.2	3.8/08.6	14188
2000 AA_{254}	2002 08 11.5	21 24.50	−13 51.0	18.7	−0.87	− 2.9	0.5/11.9	33195
2000 CP_{50}	2002 08 11.5	21 24.55	−12 58.8	20.1	−0.74	− 3.7	0.6/12.2	2736
1991 TX	2002 08 11.5	21 24.57	−58 17.7	17.3	−1.08	−11.7	18.8/24.0	13535
2002 PM_{27}	2002 08 11.6	21 24.63	−11 14.8	19.0	−0.81	− 8.4	1.3/12.8	33723
1994 SA_{11}	2002 08 11.6	21 24.67	−16 33.9	18.9	−0.89	− 4.7	0.5/11.3	33756
1998 QO_{74}	2002 08 11.6	21 24.80	−03 39.2	17.3	−0.97	− 0.4	4.3/14.1	33772
1999 XF_{14}	2002 08 11.6	21 24.83	+00 49.7	19.3	−0.84	− 2.9	5.0/15.8	33843
2000 CL_{93}	2002 08 11.6	21 24.88	−12 39.4	19.3	−0.73	− 5.0	0.7/12.4	709
2000 AA_{78}	2002 08 11.6	21 24.90	−16 40.8	18.4	−0.93	− 6.5	0.5/11.2	33855
2000 AY_{201}	2002 08 11.6	21 24.90	−13 55.6	18.0	−0.84	−15.0	0.4/12.1	33859
2002 PU_{1}	2002 08 11.6	21 24.94	−15 10.6	16.7	−0.86	+ 2.3	0.0/11.7	33715
2001 FS_{88}	2002 08 11.6	21 25.01	−13 38.0	20.7	−0.96	− 5.4	0.6/12.1	14423
2001 DA_{68}	2002 08 11.6	21 25.06	−17 58.1	18.7	−1.05	− 2.8	1.1/11.0	33898
2001 EK_{2}	2002 08 11.6	21 25.06	−37 05.2	17.8	−1.07	0.0	9.2/06.8	31941
1994 ET	2002 08 11.7	21 25.05	−17 50.6	17.6	−1.16	− 0.1	1.3/11.2	*40305*
2001 FY_{81}	2002 08 11.7	21 25.06	−12 52.8	18.1	−0.96	− 2.3	0.8/12.3	33394
1999 VB_{146}	2002 08 11.7	21 25.07	−20 15.3	18.5	−1.01	− 5.2	2.0/10.4	33839
1999 TN_{206}	2002 08 11.7	21 25.13	−24 48.1	18.8	−1.07	− 3.7	4.2/09.3	33110
2000 AH_{116}	2002 08 11.7	21 25.14	−17 59.7	19.7	−0.74	− 5.7	0.7/10.9	*39574*
1998 HN_{93}	2002 08 11.7	21 25.17	−03 47.2	18.1	−0.97	− 3.8	5.0/14.7	33021
2002 NT_{23}	2002 08 11.7	21 25.20	−17 00.9	17.0	−0.66	−13.8	1.0/11.1	34024
1979 ME_{3}	2002 08 11.7	21 25.20	−11 07.3	17.8	−0.73	− 5.3	1.3/12.9	32995
1995 EJ_{4}	2002 08 11.7	21 25.30	−11 18.8	19.4	−0.78	− 5.8	1.3/12.9	19251
2002 PE_{40}	2002 08 11.7	21 25.30	−19 36.7	18.2	−0.96	− 3.6	2.0/10.7	33727
2000 AJ_{128}	2002 08 11.7	21 25.30	−06 43.4	17.8	−0.97	− 1.0	3.1/13.6	33857
2000 AM_{201}	2002 08 11.7	21 25.37	−12 43.9	16.9	−0.97	−15.9	0.9/12.6	33859
2000 AH_{236}	2002 08 11.7	21 25.40	−07 12.4	18.8	−0.81	− 7.8	2.6/14.2	33859
2001 DH_{80}	2002 08 11.7	21 25.42	−18 23.5	19.4	−0.97	− 5.6	1.3/10.9	12303
2002 LR_{32}	2002 08 11.8	21 25.40	+07 44.5	18.1	−0.70	− 5.8	8.4/19.3	33613
1997 UG_{5}	2002 08 11.8	21 25.46	−42 44.2	18.9	−1.02	− 1.8	8.0/03.9	2629
2002 OG_{22}	2002 08 11.8	21 25.47	−11 35.6	17.9	−0.88	− 4.4	1.6/12.8	33712
1999 SX_{15}	2002 08 11.8	21 25.47	−41 41.9	19.3	−1.44	+ 0.4	8.8/05.8	1115
1999 TL_{232}	2002 08 11.8	21 25.49	−18 50.9	18.5	−0.95	− 8.9	1.6/10.7	33833
2000 DX_{66}	2002 08 11.8	21 25.50	−13 22.0	20.2	−0.74	− 4.2	0.5/12.3	4563
1990 SV	2002 08 11.8	21 25.51	−15 28.3	16.2	−0.84	+ 1.1	0.2/11.8	33751
2000 AT_{182}	2002 08 11.8	21 25.52	+00 12.7	19.1	−0.83	− 2.5	4.6/15.8	2723
2001 KZ_{41}	2002 08 11.8	21 25.58	−09 31.2	17.9	−0.72	− 7.1	1.9/13.6	33418
2001 DC_{41}	2002 08 11.8	21 25.59	−26 53.4	20.2	−1.12	− 0.3	4.3/09.4	11882
2000 AH_{30}	2002 08 11.8	21 25.59	−07 35.7	17.8	−0.87	− 0.7	2.4/13.6	33178
2001 FL_{46}	2002 08 11.8	21 25.69	−23 06.0	19.8	−0.93	− 3.5	2.5/09.8	33903
2000 DO_{27}	2002 08 11.8	21 25.70	−10 50.5	19.5	−0.82	− 5.0	1.5/13.0	33865
2001 DF_{38}	2002 08 11.8	21 25.73	−08 17.2	17.7	−0.87	− 7.1	2.8/13.9	33897
2000 FX_{2}	2002 08 11.8	21 25.78	−49 22.7	19.7	−1.34	− 1.6	9.2/02.0	18246
1999 XM_{203}	2002 08 11.8	21 25.79	−11 29.9	18.1	−0.94	− 1.1	1.2/12.7	33171
1995 SS_{49}	2002 08 11.8	21 25.80	−22 11.9	19.6	−0.96	− 3.3	3.4/10.1	33004
1998 RE_{54}	2002 08 11.9	21 25.77	−23 39.1	17.7	−1.06	+ 0.4	3.4/10.2	33776
1998 TP_{36}	2002 08 11.9	21 25.79	+04 51.6	18.1	−0.79	− 4.7	7.6/17.6	33785
4144 P-L	2002 08 11.9	21 25.83	−11 00.5	18.9	−0.89	− 4.7	1.3/13.0	575
1999 XJ_{234}	2002 08 11.9	21 25.86	−19 41.3	18.4	−0.99	− 9.1	2.0/10.5	33174
2000 CN_{91}	2002 08 11.9	21 25.89	−21 51.3	17.3	−0.92	− 1.1	2.3/10.4	33863
2002 NA_{45}	2002 08 11.9	21 25.90	−10 43.9	18.0	−0.80	−10.4	1.7/13.4	33685
2001 HU_{7}	2002 08 11.9	21 26.01	−36 39.2	18.8	−0.92	− 3.7	7.1/05.7	14429
2001 FS_{90}	2002 08 11.9	21 26.08	−17 38.5	19.5	−0.95	− 5.4	0.9/11.3	16093
2001 FC_{97}	2002 08 11.9	21 26.08	−21 56.3	19.6	−0.90	− 6.3	2.2/10.0	13839
2002 OA_{20}	2002 08 11.9	21 26.10	−14 18.6	16.4	−1.12	+ 5.7	0.3/12.1	34034
2000 ET_{37}	2002 08 11.9	21 26.17	−01 33.1	19.0	−0.69	− 5.7	3.5/16.1	33222
2001 HO_{3}	2002 08 12.0	21 26.12	−33 33.6	19.0	−0.96	− 3.6	5.6/07.0	14428
2000 DV_{95}	2002 08 12.0	21 26.13	−17 24.6	18.5	−0.81	− 6.3	0.8/11.3	33218
2001 FV_{57}	2002 08 12.0	21 26.14	−23 33.4	19.4	−0.96	− 1.5	2.5/10.0	13832
2001 BT_{79}	2002 08 12.0	21 26.18	−15 48.4	20.4	−1.04	− 3.4	0.3/11.8	14922
2002 LO_{43}	2002 08 12.0	21 26.21	+09 50.9	17.2	−0.62	+ 1.8	13.8/18.7	33623
2000 AB_{38}	2002 08 12.0	21 26.27	−22 21.5	18.8	−0.85	− 5.3	2.3/10.0	33179
2001 DD_{14}	2002 08 12.0	21 26.29	−17 54.9	17.1	−1.57	+ 9.3	1.5/11.8	33371
2002 OF_{22}	2002 08 12.0	21 26.35	−14 23.2	18.3	−0.76	− 3.9	0.3/12.2	33712
2002 PU_{27}	2002 08 12.0	21 26.44	−13 54.5	18.9	−0.94	− 3.2	0.5/12.4	33723
2001 GT_{10}	2002 08 12.0	21 26.44	−11 32.7	18.9	−1.06	− 3.0	1.4/12.9	33407
2000 EB_{181}	2002 08 12.0	21 26.45	−26 04.6	18.3	−0.92	−10.0	4.3/08.4	17223
1999 CH_{141}	2002 08 12.0	21 26.45	−14 42.0	19.8	−0.78	− 3.5	0.1/12.2	33071
2000 DO_{107}	2002 08 12.0	21 26.47	−13 23.6	18.0	−0.81	− 4.0	0.6/12.5	33867
1998 QE_{55}	2002 08 12.0	21 26.51	−35 27.2	18.0	−1.28	+ 5.0	9.4/08.6	31821
2000 CM_{108}	2002 08 12.0	21 26.56	+02 03.7	20.6	−0.87	− 2.6	5.3/16.4	18233
1999 XN_{128}	2002 08 12.0	21 26.57	−18 23.2	19.5	−0.99	− 4.5	1.2/11.2	33848
1999 VN_{50}	2002 08 12.1	21 26.51	−25 06.5	19.0	−0.97	− 3.8	3.4/09.5	33837
2002 NT_{24}	2002 08 12.1	21 26.57	−07 12.7	17.6	−0.87	− 0.1	2.7/13.9	33666
2002 NB_{24}	2002 08 12.1	21 26.58	−09 17.3	16.7	−0.88	+ 0.2	2.1/13.4	33665
2002 PV_{27}	2002 08 12.1	21 26.62	−11 31.3	18.3	−0.97	− 7.0	1.3/13.0	33724
2002 NO_{24}	2002 08 12.1	21 26.91	−11 47.1	16.4	−0.71	−15.5	1.1/13.4	33665
2000 EM_{18}	2002 08 12.2	21 26.88	−22 45.7	20.0	−0.88	− 3.9	2.3/10.1	2394
2000 AK_{207}	2002 08 12.2	21 26.91	−15 25.0	18.3	−0.77	− 3.7	0.1/12.1	33859
2002 ND_{38}	2002 08 12.2	21 26.93	−01 49.0	17.8	−0.77	− 3.1	4.2/15.8	33680
1998 RX_{78}	2002 08 12.2	21 27.00	−16 29.8	18.0	−0.83	− 6.5	0.5/11.8	33777
1999 XM_{37}	2002 08 12.2	21 27.00	−11 22.6	17.0	−1.05	− 1.5	1.6/13.0	33844
1999 TD_{153}	2002 08 12.2	21 27.01	−12 59.9	19.0	−1.02	− 5.6	0.8/12.8	33104
2000 BV_{8}	2002 08 12.2	21 27.03	−25 53.3	18.5	−0.92	− 1.6	3.6/09.6	13137
1995 UO_{52}	2002 08 12.2	21 27.06	−06 45.4	18.9	−0.87	− 6.0	3.8/14.6	33758
2001 FD_{99}	2002 08 12.2	21 27.13	−58 48.1	19.2	−1.77	+ 3.5	14.9/02.2	14424
2001 EK_{22}	2002 08 12.2	21 27.17	−18 31.1	17.7	−1.04	− 0.5	1.7/11.5	33900
2000 AA_{95}	2002 08 12.2	21 27.19	−11 18.5	16.7	−1.04	+ 0.9	1.7/13.0	33855
2002 PT_{6}	2002 08 12.2	21 27.23	−16 15.0	18.3	−0.84	− 5.4	0.5/11.9	33717
1998 ET_{5}	2002 08 12.2	21 27.36	−22 41.1	18.6	−1.15	− 1.7	3.5/10.6	33764
2000 ET_{55}	2002 08 12.3	21 27.31	−10 25.2	17.7	−0.94	− 3.5	2.0/13.0	33868
2001 FF_{23}	2002 08 12.3	21 27.36	−34 23.8	20.6	−1.08	− 2.5	6.4/07.4	13826
2002 PJ_{102}	2002 08 12.3	21 27.37	−03 21.9	18.0	−0.91	− 4.0	5.1/15.4	33734
2001 DS_{13}	2002 08 12.3	21 27.43	−10 15.9	17.8	−0.82	−10.9	1.6/13.9	33371
2001 BA	2002 08 12.3	21 27.49	−18 57.6	18.8	−1.09	− 2.8	1.6/11.4	12271
2000 DV_{25}	2002 08 12.3	21 27.53	−15 16.9	19.6	−0.79	− 4.1	0.1/12.3	19516
2000 DQ_{94}	2002 08 12.3	21 27.56	−10 29.9	17.3	−0.73	−11.6	1.5/13.9	33866
1999 YL_{3}	2002 08 12.3	21 27.60	+07 31.8	19.1	−0.86	− 4.0	7.7/18.7	33852
2001 FO_{23}	2002 08 12.3	21 27.64	−33 02.3	18.4	−0.98	− 3.9	6.6/07.4	33902
1999 VH_{64}	2002 08 12.4	21 27.65	−19 41.7	19.4	−0.96	− 4.8	1.6/11.2	33838

2001 FK_{37}	2002 08 12.4	21 27.68	−09 39.4	17.7	−0.84	− 5.9	2.3/13.9	33902
2001 HE_{61}	2002 08 12.4	21 27.77	−32 33.9	19.9	−0.91	− 2.9	5.4/07.7	13485
1999 XW_{233}	2002 08 12.4	21 27.95	−00 07.2	19.0	−0.88	− 5.9	5.6/16.7	33851
2000 DC_{95}	2002 08 12.4	21 28.02	−22 26.7	18.7	−0.97	− 1.7	2.7/10.7	7005
2002 OL_{23}	2002 08 12.4	21 28.13	−02 28.4	18.3	−1.55	+ 7.4	6.5/13.8	33713
2002 LR_{36}	2002 08 12.5	21 28.10	−12 36.9	16.4	−0.71	−12.4	1.0/13.3	33617
1999 XN_{145}	2002 08 12.5	21 28.12	−05 13.9	19.3	−0.91	− 4.7	3.9/15.1	33167
6572 P-L	2002 08 12.5	21 28.13	−27 21.5	17.9	−1.19	− 2.6	5.8/09.4	*38907*
2001 FG_{144}	2002 08 12.5	21 28.17	+00 49.1	19.6	−0.77	− 6.3	4.9/17.4	33906
2001 AZ_{44}	2002 08 12.5	21 28.19	−18 42.2	18.5	−0.98	− 5.5	1.5/11.5	33892
2002 NN_{24}	2002 08 12.5	21 28.29	−05 59.2	17.3	−0.77	− 2.9	2.8/14.9	33665
1999 VN_{3}	2002 08 12.5	21 28.29	−17 52.5	19.6	−0.93	− 5.4	1.3/11.8	1199
2000 ET_{113}	2002 08 12.5	21 28.30	−17 20.2	19.0	−0.85	− 2.8	0.8/11.9	33869
2002 PX_{109}	2002 08 12.5	21 28.31	−20 49.8	18.4	−0.94	− 8.1	2.4/10.8	33734
2000 AW_{149}	2002 08 12.5	21 28.40	−08 05.0	18.2	−0.78	− 6.3	2.2/14.6	33858
1996 GY_{4}	2002 08 12.5	21 28.40	−23 52.4	20.2	−0.88	− 4.0	3.0/10.2	12852
2001 DB_{12}	2002 08 12.5	21 28.43	−21 06.6	20.3	−1.03	− 3.6	2.2/11.1	13813
2002 OQ_{9}	2002 08 12.6	21 28.40	−07 14.5	17.9	−0.85	− 3.8	2.9/14.6	33702
1999 VR_{87}	2002 08 12.6	21 28.40	−10 06.5	19.3	−0.96	− 6.7	2.0/13.9	33135
2001 HL_{8}	2002 08 12.6	21 28.46	−07 22.8	19.3	−0.81	− 7.1	3.1/14.9	19932
2002 NB_{45}	2002 08 12.6	21 28.49	−05 55.2	17.0	−0.76	− 4.8	4.2/15.3	34027
1978 VX_{10}	2002 08 12.6	21 28.49	−21 21.5	19.4	−1.06	− 4.7	2.7/10.9	33750
1999 TU_{103}	2002 08 12.6	21 28.50	−23 32.6	18.9	−1.15	− 1.5	3.6/10.7	33828
1999 VA_{65}	2002 08 12.6	21 28.51	−12 52.2	20.4	−0.95	− 4.6	0.7/13.2	33838
1995 SV_{50}	2002 08 12.6	21 28.53	−17 04.4	18.3	−1.01	− 3.7	1.0/12.1	15015
1998 SP_{28}	2002 08 12.6	21 28.55	−27 59.4	18.5	−0.94	− 3.2	4.6/09.2	31830
2001 GE_{8}	2002 08 12.6	21 28.59	−32 20.5	17.4	−0.83	− 5.2	6.4/07.4	14427
5076 T-2	2002 08 12.6	21 28.61	+10 51.9	18.0	−0.81	− 4.6	10.0/20.4	33738
1999 VW_{98}	2002 08 12.6	21 28.63	−03 04.2	19.9	−0.91	− 4.8	4.4/15.9	33839
2000 AH_{160}	2002 08 12.6	21 28.65	−12 22.0	19.7	−0.86	− 3.2	0.8/13.3	33191
1999 XQ_{118}	2002 08 12.6	21 28.65	−10 11.1	19.0	−0.90	− 3.6	1.5/13.9	33847
1997 GF_{31}	2002 08 12.6	21 28.67	−25 51.4	19.7	−1.03	− 2.7	4.1/10.0	12858
2002 OL_{2}	2002 08 12.6	21 28.78	+07 25.6	17.7	−0.76	− 6.0	8.8/19.9	33697
2002 OK_{17}	2002 08 12.6	21 28.81	−01 49.4	17.7	−0.87	− 3.4	5.6/16.2	33708
1999 XO_{178}	2002 08 12.7	21 28.82	−26 09.9	18.4	−1.02	− 3.9	5.0/09.7	17107
2001 FO_{52}	2002 08 12.7	21 28.88	−21 44.1	19.4	−1.06	− 2.3	2.5/11.1	33903
2002 OT_{9}	2002 08 12.7	21 28.88	−07 30.9	17.8	−0.95	− 4.0	3.1/14.6	33702
2000 AV_{91}	2002 08 12.7	21 28.88	−18 29.8	18.0	−0.76	− 7.5	1.2/11.6	33855
1997 GY_{1}	2002 08 12.7	21 28.92	−10 16.4	20.3	−0.91	− 5.2	1.6/14.0	14108
2002 NE_{38}	2002 08 12.7	21 29.01	−04 17.3	17.8	−0.72	− 6.9	3.7/16.1	33680
1998 WA_{6}	2002 08 12.7	21 29.03	−25 50.0	17.5	−0.95	− 4.7	4.7/09.6	31845
2000 BT_{22}	2002 08 12.7	21 29.04	−15 24.2	18.9	−0.74	− 4.0	0.2/12.6	33860
1998 QJ_{73}	2002 08 12.7	21 29.06	+01 50.8	18.5	−0.82	− 5.4	5.5/17.6	33772
2000 BQ_{14}	2002 08 12.7	21 29.10	−35 26.5	19.4	−0.83	− 4.3	4.9/06.7	31895
1998 SJ_{151}	2002 08 12.7	21 29.12	−24 19.6	19.2	−0.93	− 2.2	4.2/10.4	33053
1999 TK_{236}	2002 08 12.7	21 29.16	−20 21.2	19.2	−0.99	− 8.5	2.3/11.1	33114
2000 YV_{68}	2002 08 12.7	21 29.22	−15 59.7	19.1	−1.01	− 6.5	0.5/12.5	33889
2001 HV_{36}	2002 08 12.8	21 29.14	−39 17.3	19.1	−0.92	− 3.5	7.0/05.6	27196
1999 UG_{20}	2002 08 12.8	21 29.15	−17 47.5	19.4	−1.01	− 5.1	1.2/12.0	11616
1999 XO_{231}	2002 08 12.8	21 29.31	−33 53.4	17.3	−0.86	− 4.3	6.1/07.4	31887
2000 EC_{131}	2002 08 12.8	21 29.31	−09 30.3	18.3	−0.74	− 6.9	1.7/14.5	33226
1998 SE_{119}	2002 08 12.8	21 29.34	−20 05.7	19.0	−0.91	− 3.5	2.0/11.5	31834
2002 PW_{95}	2002 08 12.8	21 29.37	−09 50.9	18.3	−0.81	− 9.7	2.2/14.5	33734
2000 DX_{3}	2002 08 12.8	21 29.45	−38 24.7	18.7	−0.84	− 6.9	6.9/05.0	14398
2001 HA_{54}	2002 08 12.8	21 29.46	+04 17.4	18.5	−0.70	− 8.7	5.7/19.5	33414
2000 AG_{119}	2002 08 12.8	21 29.46	−12 57.9	20.1	−0.80	− 6.1	0.6/13.4	33857
2002 MA_{3}	2002 08 12.8	21 29.46	−18 02.4	17.6	−0.80	− 5.1	1.7/12.0	33637
2001 HG_{43}	2002 08 12.8	21 29.48	−12 55.0	19.0	−0.80	− 3.5	0.7/13.4	33412
2001 KF_{21}	2002 08 12.8	21 29.53	−18 14.7	19.5	−0.75	− 5.0	1.0/11.9	14296
1998 QJ_{91}	2002 08 12.8	21 29.53	−02 32.2	16.9	−0.78	− 2.1	6.3/15.9	33773
2001 DE_{22}	2002 08 12.8	21 29.54	−26 10.7	19.1	−0.96	− 7.6	4.4/09.5	33897
2001 DG_{29}	2002 08 12.8	21 29.55	−22 30.0	18.2	−1.09	− 1.5	3.2/11.2	33897
1999 WB_{9}	2002 08 12.8	21 29.55	−07 50.5	19.2	−1.00	− 3.8	2.6/14.6	33149
2000 AN_{54}	2002 08 12.8	21 29.58	−26 46.5	18.3	−0.83	− 7.0	3.9/09.2	33854
2000 AY_{118}	2002 08 12.9	21 29.63	−08 13.0	19.4	−0.92	− 3.7	2.3/14.6	33856
2000 HE_{64}	2002 08 12.9	21 29.66	−09 26.2	18.9	−0.76	− 2.8	1.4/14.3	33876
2001 HT_{3}	2002 08 12.9	21 29.66	+00 58.0	20.3	−0.79	− 6.9	5.2/17.9	33407
1999 XS_{160}	2002 08 12.9	21 29.67	−32 21.5	19.0	−1.02	− 2.3	5.7/08.4	17106
2000 CO_{82}	2002 08 12.9	21 29.67	−18 28.0	18.0	−0.88	− 1.3	1.2/12.1	33863
2000 AJ_{109}	2002 08 12.9	21 29.67	−17 00.1	19.1	−0.84	− 5.7	0.7/12.3	33856
2000 AE_{76}	2002 08 12.9	21 29.79	−14 54.0	16.9	−0.79	− 9.2	11.2/24.0	33855
2001 FN_{102}	2002 08 12.9	21 29.80	−14 46.1	20.2	−0.98	− 4.9	8.8/02.0	33905
2002 OD_{11}	2002 08 12.9	21 29.81	−11 25.7	18.0	−0.89	− 3.5	1.4/13.8	33703
2000 GU_{83}	2002 08 12.9	21 29.86	−10 12.1	19.1	−0.70	− 6.7	1.2/14.4	33230
1999 VC_{178}	2002 08 12.9	21 29.86	−24 37.9	19.9	−1.03	− 5.2	3.4/10.3	33840
2002 OL_{22}	2002 08 12.9	21 29.89	−15 59.0	17.1	−0.94	− 2.9	0.6/12.7	33713
1998 QC_{103}	2002 08 13.0	21 29.93	−20 59.7	17.6	−0.93	− 4.7	2.6/11.3	33773
1993 LK_{2}	2002 08 13.0	21 29.95	−21 56.4	18.4	−0.93	− 6.9	2.7/10.9	33754
1999 VA_{91}	2002 08 13.0	21 29.95	+01 19.2	17.8	−0.82	− 5.2	8.2/18.0	33136
2001 JL_{8}	2002 08 13.0	21 29.97	−13 57.6	18.4	−0.82	− 3.7	0.3/13.2	33910
1999 XB_{84}	2002 08 13.0	21 29.98	−17 38.7	17.6	−0.95	− 6.4	1.1/12.2	13632
2002 OV_{1}	2002 08 13.0	21 30.12	−02 25.1	18.0	−0.84	− 5.7	4.8/16.7	33696
2001 FV_{120}	2002 08 13.0	21 30.18	−01 12.2	19.4	−0.81	− 7.6	4.6/17.3	13841
1999 TE_{68}	2002 08 13.0	21 30.20	−11 37.1	20.5	−0.94	− 5.4	1.2/13.9	1123
1997 GA_{12}	2002 08 13.0	21 30.21	−07 52.4	18.6	−0.86	− 5.4	2.7/15.0	33011
2000 DW_{46}	2002 08 13.0	21 30.22	−13 18.0	17.6	−0.82	− 3.9	0.5/13.5	33213
2002 NU_{24}	2002 08 13.0	21 30.23	−05 50.5	17.3	−0.83	− 3.9	3.4/15.5	33666
1999 XV_{36}	2002 08 13.1	21 30.32	−25 41.9	17.1	−1.11	− 1.6	5.0/10.5	33844
1995 WR_{13}	2002 08 13.1	21 30.46	−16 46.5	20.3	−0.90	− 6.0	0.7/12.6	14744
2001 FB_{94}	2002 08 13.1	21 30.47	−26 46.5	17.2	−0.91	− 4.8	5.1/09.8	33905
1999 XC_{161}	2002 08 13.1	21 30.49	−29 05.5	18.3	−1.08	− 3.0	6.3/09.4	33849
2001 FZ_{12}	2002 08 13.1	21 30.54	−22 11.8	21.2	−0.97	− 3.5	2.4/11.3	17573
2000 DH_{30}	2002 08 13.1	21 30.56	−07 58.5	18.1	−0.71	− 7.1	2.3/15.3	33211
2001 FQ_{190}	2002 08 13.1	21 30.57	−08 26.0	18.0	−0.91	− 1.7	2.5/14.7	33405
2001 HL_{22}	2002 08 13.1	21 30.62	−30 02.1	19.9	−0.92	− 5.8	4.5/08.7	14430
2001 HD_{40}	2002 08 13.1	21 30.64	−03 16.9	19.5	−0.81	− 6.4	4.4/16.6	33412
1999 TK_{187}	2002 08 13.1	21 30.65	−20 21.3	18.2	−1.11	+ 0.4	2.8/12.0	17052
1995 DU	2002 08 13.2	21 30.65	−23 40.3	17.9	−0.91	− 1.5	2.8/11.0	33757
1999 XX_{186}	2002 08 13.2	21 30.67	−14 47.5	17.7	−1.05	− 1.2	0.0/13.2	33850
1999 VG_{195}	2002 08 13.2	21 30.71	−23 27.0	18.6	−0.99	− 4.6	3.1/10.9	33841
1999 UO_{4}	2002 08 13.2	21 30.75	−14 37.7	18.6	−1.04	− 3.4	0.0/13.2	33834
1998 SZ_{60}	2002 08 13.2	21 30.78	−10 35.7	17.8	−0.74	− 7.6	1.9/14.5	33779

2000 DV_{100}	2002 08 13.2	21 30.79	−24 31.8	19.1	−1.01	−	4.2	3.6/10.6	33218
2002 PD_{29}	2002 08 13.2	21 30.86	−12 10.4	18.6	−0.78	−	5.1	0.9/14.0	33724
1999 XT_{125}	2002 08 13.2	21 30.90	−33 44.9	20.0	−0.97	−	3.5	5.4/08.1	13061
1999 RF_{95}	2002 08 13.2	21 30.93	−09 48.1	18.6	−1.00	−	5.4	2.1/14.6	13606
2002 OO_{14}	2002 08 13.2	21 30.95	+01 15.4	17.8	−0.72	−	4.9	5.6/18.1	33706
2000 AZ_{168}	2002 08 13.2	21 30.99	−11 16.7	19.6	−0.86	−	6.0	1.1/14.3	33858
2000 CZ_{9}	2002 08 13.2	21 31.01	−11 17.5	17.6	−0.94	−	3.8	1.5/14.1	33199
2001 FN_{159}	2002 08 13.2	21 31.03	−11 35.4	20.2	−0.92	−	5.2	1.1/14.1	20838
2001 FM_{44}	2002 08 13.2	21 31.05	−07 41.8	20.4	−0.87	−	5.3	2.3/15.3	14268
2001 FF_{12}	2002 08 13.2	21 31.08	−19 25.5	19.7	−0.97	−	4.9	1.6/12.0	13824
1999 XJ_{61}	2002 08 13.3	21 31.06	−02 46.0	20.2	−0.82	−	3.8	3.4/16.6	14380
4137 T-2	2002 08 13.3	21 31.16	−12 38.0	18.1	−0.78	−	5.9	0.7/13.9	34058
1998 QE_{75}	2002 08 13.3	21 31.17	−13 17.8	17.1	−1.02	+	0.1	0.5/13.6	33030
1998 TE_{38}	2002 08 13.3	21 31.19	+05 45.8	18.7	−0.85	−	2.0	6.7/18.6	33056
1999 VZ_{112}	2002 08 13.3	21 31.20	+03 55.7	19.2	−0.87	−	3.0	6.0/18.3	33839
2001 OJ_{84}	2002 08 13.3	21 31.23	−36 10.8	19.9	−0.84	−	8.0	5.8/06.1	31950
2000 CL_{23}	2002 08 13.3	21 31.24	−09 35.4	17.8	−0.89	−	8.7	2.1/14.9	33201
1999 XL_{163}	2002 08 13.3	21 31.25	−13 41.3	18.9	−0.87	−	3.8	0.4/13.6	33168
2000 YJ_{114}	2002 08 13.3	21 31.27	−21 57.4	20.4	−1.05	−	5.3	2.7/11.4	17521
2000 GT_{19}	2002 08 13.3	21 31.29	−16 14.4	18.8	−0.81	−	3.6	0.5/12.9	33873
2000 CA_{30}	2002 08 13.3	21 31.32	−13 15.7	17.9	−0.81	−	4.7	0.5/13.8	33862
2000 DB_{65}	2002 08 13.3	21 31.37	−13 28.6	19.7	−0.77	−	4.0	0.3/13.7	10598
2001 AJ_{27}	2002 08 13.3	21 31.41	−26 41.9	19.2	−1.01	−	3.6	3.9/10.4	13804
2000 AU_{90}	2002 08 13.3	21 31.42	−17 13.6	18.9	−0.81	−	6.8	0.8/12.6	14184
2001 FA_{66}	2002 08 13.3	21 31.42	−23 59.9	17.8	−1.00	−	3.4	4.2/11.0	33392
1999 XT_{41}	2002 08 13.3	21 31.43	−03 18.8	18.5	−0.98	−	2.8	5.1/16.2	33155
2000 CF_{46}	2002 08 13.3	21 31.44	−12 08.8	18.0	−0.86	−	1.4	0.8/14.0	33203
1999 WL_{3}	2002 08 13.4	21 31.40	−30 43.1	19.1	−0.95	−	6.0	4.8/08.6	15052
1999 XX_{48}	2002 08 13.4	21 31.44	−03 59.3	18.2	−0.96	−	3.3	4.3/16.1	33844
2000 CY_{7}	2002 08 13.4	21 31.48	−26 28.7	17.5	−0.93	−	1.3	4.2/10.5	33861
1998 TG_{33}	2002 08 13.4	21 31.54	+09 46.3	17.2	−0.61	−	6.8	11.6/22.2	33055
1999 XT_{114}	2002 08 13.4	21 31.54	−14 59.8	17.4	−1.17	+	1.3	0.2/13.4	33163
1999 TB_{21}	2002 08 13.4	21 31.56	−18 22.9	19.2	−1.05	−	3.7	1.4/12.5	33826
2002 OM_{22}	2002 08 13.4	21 31.60	−17 10.5	16.8	−0.79	−	6.9	1.3/12.7	33713
1998 OM_{3}	2002 08 13.4	21 31.61	−05 57.4	19.1	−0.95	−	3.3	3.0/15.6	1951
2000 AJ_{11}	2002 08 13.4	21 31.64	−12 45.5	19.0	−0.88	−	3.6	0.6/13.9	33852
2002 NH_{38}	2002 08 13.4	21 31.71	−00 41.6	17.4	−0.80	−	0.8	4.3/16.9	33681
2000 EJ_{136}	2002 08 13.4	21 31.72	−14 30.5	21.1	−0.74	−	4.1	0.0/13.5	17213
2002 PB_{37}	2002 08 13.4	21 31.73	+07 45.3	17.5	−0.73	−	1.2	9.0/19.7	33726
2001 FN_{136}	2002 08 13.4	21 31.73	−34 15.1	18.4	−0.83	−	6.6	6.5/07.2	14425
1999 XR_{154}	2002 08 13.4	21 31.81	−18 50.9	20.3	−1.00	−	6.9	1.7/12.3	14169
2001 BQ_{19}	2002 08 13.4	21 31.86	−14 50.3	17.6	−1.09	+	0.1	0.1/13.5	33357
1999 TU_{144}	2002 08 13.5	21 31.80	−21 38.8	19.2	−1.11	−	3.7	2.8/11.8	33830
2001 AW_{13}	2002 08 13.5	21 31.81	−21 06.8	18.3	−1.03	−	7.0	2.7/11.7	11024
1998 RA_{53}	2002 08 13.5	21 31.81	−10 18.7	17.9	−0.83	−	6.7	1.8/14.8	33038
2000 ER_{10}	2002 08 13.5	21 31.90	−14 34.3	20.2	−0.77	−	3.8	0.0/13.5	5712
2000 EJ_{69}	2002 08 13.5	21 31.94	−19 14.1	18.8	−0.78	−	2.8	1.2/12.3	33868
2001 CL_{7}	2002 08 13.5	21 32.06	−21 31.0	19.3	−1.02	−	6.8	2.8/11.6	12285
2000 DD_{38}	2002 08 13.5	21 32.14	−08 51.1	18.9	−0.69	−	6.9	1.7/15.4	33212
1999 VT_{112}	2002 08 13.5	21 32.21	−14 10.7	20.4	−0.96	−	4.4	0.2/13.7	17077
2001 DR_{55}	2002 08 13.6	21 32.16	−17 30.6	19.8	−0.97	−	2.5	1.1/12.9	12300
2001 HN_{1}	2002 08 13.6	21 32.21	+03 04.3	18.1	−0.73	−	4.5	6.4/19.0	33908
1999 AR_{10}	2002 08 13.6	21 32.25	−30 48.1	18.4	−0.95	−	2.8	6.3/09.3	13588
1999 XH_{51}	2002 08 13.6	21 32.28	−13 34.2	20.7	−0.98	−	4.8	0.4/13.9	17097
2001 FQ_{72}	2002 08 13.6	21 32.40	−24 08.9	19.5	−1.04	−	4.3	3.7/11.2	33393
2000 AS_{69}	2002 08 13.6	21 32.44	−28 39.2	17.4	−0.90	−	6.9	4.6/09.4	33854
2002 PR_{29}	2002 08 13.6	21 32.46	−13 31.3	18.5	−1.01	−	2.4	0.5/13.9	33724
1999 UG_{7}	2002 08 13.6	21 32.60	−46 44.4	16.7	−1.86	+	7.2	14.6/08.3	13616
1994 CR_{16}	2002 08 13.7	21 32.53	−19 06.9	19.0	−1.03	−	4.2	1.8/12.6	33755
2001 FS_{103}	2002 08 13.7	21 32.58	−13 02.0	17.0	−1.05	+	0.1	0.7/14.0	33905
1999 TC_{161}	2002 08 13.7	21 32.59	−14 42.5	18.4	−1.04	−	3.7	0.1/13.7	33831
1997 WQ_{1}	2002 08 13.7	21 32.64	+23 11.5	18.8	−1.09	−	0.9	17.8/24.5	33763
2001 DY_{6}	2002 08 13.7	21 32.67	−13 46.3	19.4	−1.08	−	3.3	0.3/13.9	33896
1082 T-3	2002 08 13.7	21 32.68	−08 39.2	18.7	−0.94	−	2.3	2.2/15.2	31790
2002 NP_{24}	2002 08 13.7	21 32.70	−08 54.8	17.5	−0.74	−11.5		2.2/15.7	33666
2001 HG_{10}	2002 08 13.7	21 32.72	+17 08.7	18.6	−0.70	−	4.6	9.2/24.8	33908
1998 QH_{95}	2002 08 13.7	21 32.72	+02 52.2	18.2	−0.96	−	0.6	6.5/17.7	33773
2002 NF_{38}	2002 08 13.7	21 32.76	−01 32.9	17.3	−1.02	+	0.7	5.8/16.5	33680
2000 EO_{16}	2002 08 13.7	21 32.80	−04 31.8	19.4	−0.74	−	5.9	3.2/16.8	33867
1999 XJ_{30}	2002 08 13.7	21 32.80	−13 16.1	17.8	−0.89	−	7.6	0.6/14.1	33843
1999 XX_{125}	2002 08 13.8	21 32.94	−24 10.7	19.5	−1.05	−	3.3	3.7/11.4	18220
2001 FL_{110}	2002 08 13.8	21 32.95	−22 50.7	20.3	−0.98	−	2.4	3.1/11.8	12334
1999 VD_{11}	2002 08 13.8	21 32.96	−09 05.6	18.3	−0.98	−	5.0	2.3/15.2	33127
2001 BV_{67}	2002 08 13.8	21 33.06	−16 47.5	21.0	−1.03	−	3.1	0.7/13.3	13808
1999 YK_{6}	2002 08 13.8	21 33.09	−39 20.9	17.9	−1.16	−	0.6	9.3/07.8	20745
1998 UB_{44}	2002 08 13.8	21 33.14	−45 30.0	17.3	−1.11	−	3.0	12.7/03.6	31841
2001 DY_{78}	2002 08 13.8	21 33.14	−26 41.5	18.5	−0.92	−	7.0	4.8/10.2	13816
2002 NL_{24}	2002 08 13.8	21 33.17	−12 15.2	17.1	−0.70	−14.5		1.0/14.7	33665
2001 FP_{137}	2002 08 13.8	21 33.21	−22 20.6	18.7	−0.85	−	6.1	2.8/11.6	33906
2000 FO_{35}	2002 08 13.8	21 33.22	−11 10.9	20.0	−0.80	−	5.3	0.9/14.8	31906
1996 AG_{5}	2002 08 13.8	21 33.22	−19 24.6	19.7	−0.92	−	4.1	1.8/12.6	20683
1999 XD_{176}	2002 08 13.8	21 33.24	−27 40.4	18.6	−0.84	−	4.3	3.8/10.1	33850
1999 VH_{58}	2002 08 13.8	21 33.27	+06 01.5	19.5	−0.94	−	4.1	7.8/19.4	14149
2001 DB_{68}	2002 08 13.8	21 33.32	−18 44.4	18.5	−1.05	−	1.0	1.9/12.9	33898
2000 DV_{98}	2002 08 13.9	21 33.29	−25 27.7	18.8	−0.88	−	1.9	3.4/11.1	33867
1998 QX_{99}	2002 08 13.9	21 33.30	−20 41.5	17.9	−0.95	−	4.2	2.6/12.2	33773
1998 QY_{74}	2002 08 13.9	21 33.30	+00 48.8	19.0	−0.93	−	1.0	5.4/17.6	33772
2002 LB_{44}	2002 08 13.9	21 33.31	+03 57.4	17.2	−0.84	−	1.8	7.8/18.0	33624
2002 PZ	2002 08 13.9	21 33.32	+17 38.1	17.6	−0.80	−16.4		14.7/28.2	33715
1998 QV_{4}	2002 08 13.9	21 33.32	−08 18.2	17.5	−1.08	+	4.3	3.0/15.0	33025
2000 EF_{56}	2002 08 13.9	21 33.40	−03 15.4	17.5	−0.72	−	6.4	3.8/17.4	33222
1998 DN_{23}	2002 08 13.9	21 33.41	−11 05.4	18.5	−0.98	−	6.2	1.5/14.9	33764
2002 PC_{103}	2002 08 13.9	21 33.51	−05 26.1	17.1	−0.77	−	5.5	4.8/16.6	33734
2001 EP_{17}	2002 08 13.9	21 33.53	−30 00.7	18.8	−0.81	−	8.4	4.3/08.9	33900
2001 CJ_{43}	2002 08 13.9	21 33.55	−33 23.8	18.1	−0.89	−	4.6	5.8/08.6	33896
1998 FQ_{59}	2002 08 13.9	21 33.56	−15 21.7	18.6	−1.01	−	6.6	0.3/13.7	33765
2000 CS_{70}	2002 08 13.9	21 33.59	−15 41.4	18.7	−0.91	−	0.7	0.4/13.7	33205
1998 SL_{23}	2002 08 13.9	21 33.63	−04 45.1	17.0	−0.72	−11.5		4.0/17.4	33778
2000 CY_{37}	2002 08 13.9	21 33.68	−12 24.9	18.0	−0.96	+	0.3	0.8/14.4	33203
2001 FX_{89}	2002 08 13.9	21 33.73	−05 33.6	18.9	−0.86	−	7.8	4.1/16.7	33904
2001 CM_{14}	2002 08 14.0	21 33.71	−20 11.6	18.9	−0.99	−	7.0	2.4/12.4	11842
2001 FH_{188}	2002 08 14.0	21 33.72	−17 51.8	18.2	−0.83	−10.6		1.3/12.9	19932

2001 DB_{47}	2002 08 14.0	21 33.72	−09 08.4	20.1	−0.96	− 4.8	1.9/15.4	15095
1998 MH_{9}	2002 08 14.0	21 33.73	−10 00.0	17.6	−0.86	− 7.9	2.0/15.4	33769
2001 BD_{51}	2002 08 14.0	21 33.73	−05 08.3	17.9	−0.96	−22.8	4.2/17.6	33360
2002 PT_{1}	2002 08 14.0	21 33.77	−12 30.0	17.6	−1.05	+ 1.1	1.0/14.4	33715
2002 NX_{24}	2002 08 14.0	21 33.78	−02 02.0	17.6	−0.98	+ 0.2	5.3/16.9	33666
1999 XY_{176}	2002 08 14.0	21 33.84	−31 32.8	19.2	−0.95	− 5.4	5.2/09.0	33850
2000 GK_{80}	2002 08 14.0	21 33.92	−15 27.7	19.0	−0.77	− 3.7	0.3/13.8	33873
2000 XW_{8}	2002 08 14.0	21 33.92	+04 33.8	16.3	−1.46	+ 7.1	10.0/16.5	33327
1999 TX_{118}	2002 08 14.0	21 34.00	−24 04.1	19.5	−1.10	− 3.2	3.6/11.7	12952
2000 EX_{12}	2002 08 14.1	21 34.04	−23 05.7	18.0	−0.76	− 7.1	2.8/11.4	7008
1999 YT_{15}	2002 08 14.1	21 34.04	−23 28.1	19.4	−0.91	− 5.6	2.9/11.5	27657
1999 XX_{32}	2002 08 14.1	21 34.06	−00 05.4	16.1	−1.00	+ 1.6	5.9/17.0	33844
2001 DU_{20}	2002 08 14.1	21 34.12	−31 41.9	16.8	−0.82	− 9.7	7.0/08.1	33897
3063 T-2	2002 08 14.1	21 34.14	−34 08.3	18.1	−1.13	− 0.8	6.9/09.4	13875
2000 BG_{35}	2002 08 14.1	21 34.21	−16 55.9	19.2	−1.01	− 0.9	0.9/13.6	18229
1999 VP_{8}	2002 08 14.1	21 34.24	−21 55.8	19.6	−1.01	− 5.9	2.7/12.1	14147
2001 HU_{11}	2002 08 14.1	21 34.27	−16 09.7	18.5	−0.79	− 3.5	0.6/13.7	33908
1998 SR_{13}	2002 08 14.1	21 34.28	−25 12.5	18.6	−0.93	− 3.1	3.9/11.3	31829
2001 FZ_{151}	2002 08 14.1	21 34.42	−43 04.0	19.8	−1.12	− 3.9	9.2/05.8	14425
2001 FZ_{136}	2002 08 14.2	21 34.42	−09 49.2	18.5	−0.81	− 8.7	1.5/15.7	33401
2000 BU_{25}	2002 08 14.2	21 34.53	−15 24.8	19.3	−0.83	− 5.5	0.3/13.9	14196
2000 EG_{47}	2002 08 14.2	21 34.58	−16 15.2	19.5	−0.76	− 3.7	0.5/13.7	3530
1999 XZ_{30}	2002 08 14.2	21 34.58	−36 13.2	19.5	−1.00	− 5.9	7.3/07.6	18220
2002 PS_{30}	2002 08 14.2	21 34.86	−09 11.2	17.5	−1.00	− 1.7	2.3/15.5	33724
2002 PG_{5}	2002 08 14.2	21 34.87	−00 53.2	19.2	−0.95	− 0.6	4.8/17.4	33716
2002 OH_{21}	2002 08 14.3	21 34.79	−30 19.9	16.6	−0.33	+ 5.7	10.9/10.3	33712
1999 XC_{218}	2002 08 14.3	21 34.80	−04 25.8	20.8	−0.92	− 2.4	3.2/16.8	25768
2000 AR_{117}	2002 08 14.3	21 34.81	+00 49.0	18.2	−0.94	− 0.6	5.4/17.9	33856
2001 BP_{34}	2002 08 14.3	21 34.81	−07 10.2	19.1	−0.82	− 9.2	2.4/16.6	13806
1999 TO_{286}	2002 08 14.3	21 34.87	−07 30.8	18.3	−0.99	− 3.9	2.6/16.1	33834
2001 DD_{11}	2002 08 14.3	21 34.93	−19 47.0	18.2	−1.06	− 1.1	2.5/13.1	15095
1999 TR_{139}	2002 08 14.3	21 35.02	−15 44.4	19.9	−0.98	− 4.0	0.5/14.0	13613
2002 NR_{27}	2002 08 14.3	21 35.12	−00 26.2	16.9	−0.96	+ 0.8	6.2/17.5	33670
2000 EU_{8}	2002 08 14.3	21 35.12	−09 16.2	18.7	−0.71	− 6.9	1.6/16.0	33220
1998 UX_{4}	2002 08 14.3	21 35.21	−21 06.8	21.6	−0.83	− 4.2	1.8/12.5	*33761*
2001 CX_{25}	2002 08 14.4	21 35.16	−19 19.3	19.0	−0.87	− 7.2	1.8/12.9	33367
1999 XX	2002 08 14.4	21 35.21	−20 35.4	18.7	−1.01	− 4.8	2.5/12.7	33842
1999 TX_{174}	2002 08 14.4	21 35.32	−12 28.8	18.1	−1.00	− 3.4	0.7/14.9	33831
1997 LS_{4}	2002 08 14.4	21 35.37	−11 42.2	20.7	−0.86	− 5.5	0.9/15.2	18149
1999 RQ_{40}	2002 08 14.4	21 35.38	−11 50.8	19.0	−1.00	− 6.2	1.1/15.1	33817
2002 OE_{11}	2002 08 14.4	21 35.39	−14 44.8	17.5	−0.80	− 8.0	0.2/14.3	33703
1999 VF_{45}	2002 08 14.4	21 35.39	−18 47.5	18.3	−1.08	− 3.0	2.0/13.4	1523
2002 NF_{45}	2002 08 14.4	21 35.41	−04 43.8	18.1	−0.96	− 1.1	4.8/16.7	33685
2001 FS_{86}	2002 08 14.4	21 35.43	−24 57.9	18.9	−0.96	− 6.5	4.0/11.4	13837
1978 VL_{4}	2002 08 14.4	21 35.44	−06 48.7	19.4	−1.00	− 4.7	3.1/16.4	*40289*
1998 SE_{144}	2002 08 14.4	21 35.49	−27 07.8	17.1	−0.95	− 3.2	4.0/11.0	33784
1990 WH_{2}	2002 08 14.4	21 35.53	−35 23.4	18.2	−0.90	− 7.4	8.4/07.6	6705
2002 LP_{57}	2002 08 14.4	21 35.56	−11 17.6	17.4	−0.66	−14.0	1.5/15.6	34018
2002 PF_{30}	2002 08 14.4	21 35.62	−10 41.2	19.0	−0.95	− 5.7	1.5/15.5	33724
1999 VS_{50}	2002 08 14.5	21 35.59	−18 18.0	18.6	−0.99	− 4.2	1.4/13.5	33837
2000 DO_{114}	2002 08 14.5	21 35.63	−13 47.1	19.2	−0.83	− 3.8	0.2/14.7	33867
2001 HX_{3}	2002 08 14.5	21 35.65	−10 25.9	19.7	−0.87	− 5.0	1.3/15.6	33908
2001 FF_{88}	2002 08 14.5	21 35.66	−15 39.6	18.1	−0.74	− 7.0	0.5/14.1	33395
2002 PD	2002 08 14.5	21 35.70	−18 05.5	17.2	−0.61	− 5.6	2.0/13.3	33714
1999 XW_{110}	2002 08 14.5	21 35.76	−09 05.5	19.4	−0.94	− 3.9	1.8/15.9	33163
2000 DM_{94}	2002 08 14.5	21 35.83	−23 23.2	19.2	−1.01	− 0.9	3.3/12.4	10952
1998 HR_{108}	2002 08 14.5	21 35.86	−23 48.8	17.9	−0.90	− 8.1	4.4/11.7	33767
2001 FC_{128}	2002 08 14.5	21 35.90	−17 22.3	18.6	−0.79	− 3.5	1.0/13.7	33906
1999 VX_{166}	2002 08 14.5	21 35.94	−28 15.7	19.7	−1.02	− 4.0	5.0/10.8	13004
2000 EL_{118}	2002 08 14.5	21 35.98	−31 48.1	18.9	−0.85	− 3.1	5.0/09.7	13183
2000 FO_{65}	2002 08 14.6	21 35.91	−17 30.2	17.5	−0.80	− 3.9	1.1/13.7	33872
1999 XJ_{96}	2002 08 14.6	21 35.93	−09 34.0	17.2	−1.00	− 3.6	2.1/15.8	33160
1989 UR_{7}	2002 08 14.6	21 36.01	−29 50.2	19.0	−0.95	− 4.1	5.6/10.2	33751
2000 ER_{4}	2002 08 14.6	21 36.08	−15 21.4	21.2	−0.74	− 3.6	0.3/14.3	*39482*
1999 YV_{22}	2002 08 14.6	21 36.15	+03 26.9	19.1	−0.91	− 2.7	6.1/19.4	33852
1998 QE_{101}	2002 08 14.6	21 36.20	−43 27.0	18.7	−1.68	+ 3.7	10.8/08.5	2635
1999 TU_{139}	2002 08 14.6	21 36.21	−00 49.3	19.3	−0.91	− 6.2	5.6/18.6	33830
1995 WH_{12}	2002 08 14.6	21 36.28	−18 01.6	20.2	−0.95	− 6.8	1.5/13.6	11474
1999 UZ_{25}	2002 08 14.6	21 36.33	−08 43.9	17.7	−0.98	− 3.9	2.7/16.1	33123
1999 TO_{219}	2002 08 14.6	21 36.33	−06 29.3	17.7	−0.97	− 1.7	4.0/16.5	33112
2000 ET_{122}	2002 08 14.6	21 36.35	−11 43.3	18.5	−0.84	− 4.4	1.0/15.4	33225
2001 FP_{45}	2002 08 14.7	21 36.30	−14 04.8	18.7	−0.96	− 2.7	0.1/14.8	33389
2000 EM_{119}	2002 08 14.7	21 36.33	−33 35.7	19.0	−0.93	− 1.1	5.1/09.8	731
2000 BU_{27}	2002 08 14.7	21 36.36	−18 14.9	18.5	−0.84	− 5.0	1.4/13.6	31896
2001 FN_{111}	2002 08 14.7	21 36.42	−11 22.1	20.9	−0.95	− 4.1	1.0/15.5	12075
2001 LQ_{1}	2002 08 14.7	21 36.44	−00 24.4	19.1	−0.73	− 5.1	4.3/18.9	33912
2000 DX_{105}	2002 08 14.7	21 36.46	−16 39.9	19.6	−0.74	− 6.0	0.7/14.0	31901
1999 XQ_{73}	2002 08 14.7	21 36.46	−18 29.3	19.0	−0.98	− 5.6	1.6/13.6	33845
1995 UF_{42}	2002 08 14.7	21 36.52	−04 12.0	19.9	−0.89	− 5.5	4.2/17.6	1901
1994 PX_{18}	2002 08 14.7	21 36.52	−21 59.6	17.5	−1.18	+ 4.5	3.7/13.5	33756
2002 OL_{17}	2002 08 14.7	21 36.58	−08 03.1	17.5	−0.56	−16.2	2.9/17.3	34033
1998 XM_{19}	2002 08 14.7	21 36.64	−18 18.8	19.9	−0.78	− 4.1	1.2/13.6	19353
2000 EC_{170}	2002 08 14.7	21 36.68	−06 54.6	19.4	−0.69	− 8.7	1.8/17.2	1583
1999 UN_{37}	2002 08 14.7	21 36.71	−21 52.4	19.1	−1.06	− 4.0	3.1/12.8	13617
1999 XJ_{48}	2002 08 14.7	21 36.72	−23 29.2	19.0	−0.93	− 5.3	3.2/12.2	33844
1998 QY_{82}	2002 08 14.8	21 36.69	+13 38.1	17.5	−0.83	− 2.5	11.6/23.0	33031
1999 VT_{175}	2002 08 14.8	21 36.70	−19 59.1	21.7	−0.91	− 4.1	1.8/13.3	13005
2002 PK_{30}	2002 08 14.8	21 36.74	−13 29.0	18.5	−0.87	− 3.6	0.3/15.0	33724
1994 PB_{24}	2002 08 14.8	21 36.81	−17 34.5	17.6	−1.06	+ 0.4	1.5/14.1	33756
2001 DZ_{9}	2002 08 14.8	21 36.81	−28 18.2	18.5	−1.03	− 4.3	5.9/11.0	11857
1995 YD_{5}	2002 08 14.8	21 36.88	−19 20.5	17.9	−0.67	− 4.0	1.6/13.3	33007
1999 VF_{152}	2002 08 14.8	21 36.95	−27 17.2	19.7	−1.01	− 4.9	4.8/11.2	33839
1988 NA	2002 08 14.8	21 36.95	+11 51.5	17.3	−0.75	−22.8	10.0/27.0	32996
1999 BE_{20}	2002 08 14.8	21 37.06	−25 37.2	17.7	−0.92	− 1.7	3.7/12.0	*40068*
2001 HF_{63}	2002 08 14.8	21 37.10	−34 23.6	19.2	−1.07	− 2.7	6.7/09.4	13486
2000 EW_{35}	2002 08 14.9	21 37.06	−10 57.8	19.4	−0.74	− 4.6	1.0/15.8	33221
1998 SG_{32}	2002 08 14.9	21 37.06	−21 01.8	18.9	−0.95	− 3.0	2.3/13.1	220
1994 UK_{9}	2002 08 14.9	21 37.07	−36 21.2	19.0	−1.12	+ 1.2	9.6/10.0	14735
1999 VH_{25}	2002 08 14.9	21 37.18	−19 44.4	17.9	−1.03	− 4.1	2.4/13.5	33836
2000 DX_{44}	2002 08 14.9	21 37.35	−13 50.5	18.6	−0.81	− 3.7	0.1/15.1	33212
1999 VN_{65}	2002 08 14.9	21 37.40	−17 28.9	19.6	−0.96	− 4.7	1.1/14.1	33838
2001 DX_{17}	2002 08 14.9	21 37.41	−26 22.4	18.2	−1.01	− 4.4	4.9/11.7	13813

1999 VA_{70}	2002 08 15.0	21 37.42	−20 40.3	18.5	−0.98	− 4.3	2.8/13.3	15051
2001 ER_{7}	2002 08 15.0	21 37.43	−19 50.5	19.5	−1.06	− 5.8	2.4/13.5	13819
2001 FE_{172}	2002 08 15.0	21 37.47	−24 47.8	18.3	−0.87	− 8.4	3.6/11.6	33907
1999 RH_{250}	2002 08 15.0	21 37.48	−19 47.5	19.2	−1.08	− 3.4	2.1/13.6	13608
1997 EN_{39}	2002 08 15.0	21 37.51	−14 38.2	17.6	−1.08	− 1.0	0.2/14.9	33761
1999 RF_{171}	2002 08 15.0	21 37.51	−20 26.0	18.8	−1.10	− 3.0	2.9/13.5	33823
2001 FJ_{76}	2002 08 15.0	21 37.59	−13 16.9	19.0	−0.96	− 7.0	0.3/15.3	33393
2001 HZ_{45}	2002 08 15.0	21 37.60	−13 29.2	19.1	−0.84	− 6.9	0.2/15.2	33412
2001 BN_{34}	2002 08 15.0	21 37.61	−14 11.8	18.8	−1.07	− 2.6	0.0/15.0	33893
1998 HW_{9}	2002 08 15.0	21 37.63	−18 39.2	17.8	−0.91	− 6.5	2.1/13.7	33766
1998 XA_{53}	2002 08 15.0	21 37.78	−35 58.9	17.2	−0.83	− 7.9	6.4/07.4	16027
1999 XY_{11}	2002 08 15.0	21 37.81	+26 46.6	18.8	−1.07	+ 0.8	14.9/25.3	33842
1995 VW_{3}	2002 08 15.0	21 37.85	−15 50.6	23.0	−1.02	− 5.9	0.6/14.6	9039
1998 HA_{113}	2002 08 15.1	21 37.81	−07 58.4	17.5	−0.90	− 9.7	2.5/17.1	33767
1999 VA_{58}	2002 08 15.1	21 37.87	−06 49.8	18.6	−0.96	− 5.2	3.1/17.1	33838
2000 FR_{2}	2002 08 15.1	21 37.88	−38 34.5	18.7	−1.45	+ 0.6	8.8/09.5	2762
1999 YG_{14}	2002 08 15.1	21 37.90	−14 15.1	19.5	−0.78	− 4.0	0.0/15.1	33852
1999 VP_{43}	2002 08 15.1	21 37.92	−20 01.3	18.4	−1.05	− 3.8	2.5/13.6	33837
2000 GL_{34}	2002 08 15.1	21 37.95	−12 33.5	19.1	−0.74	− 3.8	0.4/15.6	33873
2000 EX_{78}	2002 08 15.1	21 37.97	−18 42.7	18.3	−0.83	− 3.9	1.6/13.9	14403
1998 RN_{66}	2002 08 15.1	21 37.97	−28 38.2	17.8	−1.15	+ 2.1	6.4/12.1	31827
2001 FX_{103}	2002 08 15.1	21 38.03	−15 48.4	18.7	−0.98	− 1.2	0.6/14.8	13840
1998 FE_{95}	2002 08 15.1	21 38.07	−23 17.1	18.6	−0.98	− 8.3	4.0/12.4	33766
1998 YF_{15}	2002 08 15.1	21 38.10	−21 36.8	20.4	−0.74	− 5.4	2.1/12.9	18188
1999 VN_{36}	2002 08 15.1	21 38.21	−25 34.1	18.8	−0.94	− 4.5	3.3/12.0	*40393*
2002 OZ_{19}	2002 08 15.2	21 38.16	−15 19.3	17.3	−0.62	−10.8	0.6/14.8	34034
1999 XW_{44}	2002 08 15.2	21 38.21	−05 27.3	20.1	−0.97	− 4.1	3.4/17.5	14160
2001 FL_{97}	2002 08 15.2	21 38.24	−07 40.5	18.8	−0.82	− 8.0	2.0/17.2	33396
1999 TH_{26}	2002 08 15.2	21 38.27	+01 19.3	18.9	−0.90	− 5.3	5.1/19.6	33826
2001 ET_{15}	2002 08 15.2	21 38.27	−27 03.3	19.0	−0.89	− 5.7	4.5/11.4	13821
1999 WA_{6}	2002 08 15.2	21 38.32	−11 35.2	16.9	−1.01	− 1.8	1.2/15.8	33841
2000 DD_{43}	2002 08 15.2	21 38.33	−16 31.0	20.1	−0.80	− 3.4	0.7/14.6	9320
2002 ON_{22}	2002 08 15.2	21 38.54	−14 14.5	17.7	−1.04	− 0.6	0.1/15.2	33713
2000 CE_{81}	2002 08 15.2	21 38.56	−15 12.9	20.0	−0.71	− 7.2	0.3/14.9	7520
2001 FY_{15}	2002 08 15.2	21 38.56	+01 25.7	18.6	−0.78	− 8.6	5.9/20.5	33901
1999 XB_{156}	2002 08 15.2	21 38.58	+04 39.4	19.0	−0.85	− 3.4	5.9/20.6	33848
2000 AA_{136}	2002 08 15.3	21 38.61	−21 21.8	17.9	−1.05	− 2.0	3.5/13.5	13120
2001 DN_{24}	2002 08 15.3	21 38.63	−15 48.8	18.2	−0.89	− 9.1	0.8/14.8	33897
2002 PK_{68}	2002 08 15.3	21 38.69	−09 01.5	17.4	−0.97	− 2.4	2.2/16.6	33732
2000 GO_{19}	2002 08 15.3	21 38.77	−04 06.0	19.6	−0.71	− 4.3	2.7/18.3	33872
1999 XV_{126}	2002 08 15.3	21 38.82	−25 20.3	18.9	−1.04	− 4.0	4.4/12.3	33848
2000 CL_{44}	2002 08 15.3	21 38.82	−04 46.6	19.3	−0.70	− 5.4	2.6/18.2	33862
2001 FO_{36}	2002 08 15.3	21 38.86	−10 58.1	19.2	−0.93	− 5.0	1.1/16.2	33902
2001 FP_{54}	2002 08 15.3	21 38.89	−31 43.8	19.0	−1.02	− 1.7	5.9/10.9	30453
1995 SC_{8}	2002 08 15.3	21 38.90	−15 56.9	20.0	−1.00	− 4.0	0.7/14.9	33757
2000 BN_{2}	2002 08 15.3	21 38.91	−39 14.4	19.1	−1.28	+ 1.5	8.7/09.8	19492
2000 CF	2002 08 15.3	21 38.96	−17 30.3	18.9	−0.75	− 7.6	1.1/14.3	33861
2001 DJ_{44}	2002 08 15.3	21 38.97	−14 54.2	18.6	−0.97	− 6.8	0.4/15.1	33898
1998 YM_{8}	2002 08 15.3	21 39.05	−26 57.8	19.3	−1.45	+ 2.9	4.7/13.0	*34313*
2000 DJ_{103}	2002 08 15.4	21 38.92	−29 44.6	19.2	−0.90	− 1.5	4.4/11.3	*40470*
1998 XX_{4}	2002 08 15.4	21 38.92	−32 55.3	17.5	−0.86	− 5.6	6.2/09.4	33790
2001 DJ_{17}	2002 08 15.4	21 38.95	−26 04.4	18.0	−0.96	− 6.1	5.0/11.9	33897
1999 XO_{168}	2002 08 15.4	21 38.97	−15 41.1	18.8	−0.99	− 3.3	0.6/15.0	33849
2002 LC_{51}	2002 08 15.4	21 39.01	+01 55.9	18.6	−0.76	− 4.1	5.5/20.1	33628
2001 BZ_{79}	2002 08 15.4	21 39.14	−15 42.6	19.7	−1.05	− 4.0	0.7/15.0	12283
1999 TH_{36}	2002 08 15.4	21 39.15	−07 52.7	17.3	−1.11	− 0.6	2.5/16.8	33827
1999 XM_{66}	2002 08 15.4	21 39.16	−07 19.1	17.0	−0.84	− 3.2	3.5/17.2	33157
2001 FP_{170}	2002 08 15.4	21 39.23	−03 01.2	20.3	−0.79	− 7.7	3.4/19.0	16094
2000 DV_{29}	2002 08 15.4	21 39.31	−11 44.2	18.7	−0.81	− 5.5	0.8/16.2	33865
1999 RN_{25}	2002 08 15.4	21 39.32	−25 10.5	17.0	−1.13	− 0.8	5.6/12.9	33817
1999 VO_{183}	2002 08 15.5	21 39.32	−28 04.5	18.0	−0.96	− 4.3	7.0/11.5	10519
1998 VZ_{16}	2002 08 15.5	21 39.35	−19 42.0	19.4	−0.85	− 5.1	1.9/13.9	33787
2002 OK_{19}	2002 08 15.5	21 39.38	+01 42.5	18.0	−0.86	− 2.2	5.1/19.6	33710
2001 EE_{4}	2002 08 15.5	21 39.39	−10 05.6	18.3	−0.79	−10.7	1.5/16.9	33380
1998 QF_{86}	2002 08 15.5	21 39.45	+11 37.0	17.9	−0.86	− 0.9	11.0/22.5	33031
2000 AN_{60}	2002 08 15.5	21 39.46	−08 08.1	17.2	−0.92	+ 0.4	2.2/16.9	33854
2588 P-L	2002 08 15.5	21 39.46	−22 54.2	18.8	−1.07	− 3.7	3.2/13.2	34057
1999 TZ_{7}	2002 08 15.5	21 39.51	−19 09.1	17.6	−1.00	− 6.3	2.2/14.1	12162
2001 DG_{92}	2002 08 15.5	21 39.55	−19 05.5	19.3	−0.94	− 3.2	1.7/14.2	13817
2002 LS_{43}	2002 08 15.5	21 39.58	+09 01.7	17.8	−0.86	+ 0.4	6.9/21.4	33623
2001 KV_{65}	2002 08 15.5	21 39.62	−05 25.9	17.9	−0.71	− 8.2	2.7/18.4	33420
2000 CP	2002 08 15.5	21 39.64	−12 34.2	19.3	−0.89	− 3.2	0.5/15.9	33199
2002 PD_{31}	2002 08 15.5	21 39.70	−12 21.9	18.2	−0.91	− 1.8	0.6/16.0	33725
1998 XG_{25}	2002 08 15.6	21 39.67	−12 06.0	19.8	−0.80	− 4.7	0.6/16.1	33790
2000 BT_{16}	2002 08 15.6	21 39.72	−19 24.3	19.9	−0.86	− 4.2	1.7/14.1	19494
2001 FC_{25}	2002 08 15.6	21 39.75	−16 51.7	19.8	−0.92	− 3.6	0.9/14.9	33902
1998 NS	2002 08 15.6	21 39.77	−01 51.8	17.2	−1.06	+ 1.2	5.9/18.3	33769
1998 SK_{74}	2002 08 15.6	21 39.79	−16 43.1	18.7	−0.83	− 5.4	0.9/14.8	33779
1999 VA_{41}	2002 08 15.6	21 39.81	−17 55.4	20.5	−0.98	− 4.2	1.4/14.6	33837
1998 SY_{24}	2002 08 15.6	21 39.82	−10 29.7	17.4	−0.77	− 7.4	1.5/16.7	33042
2000 CT_{5}	2002 08 15.6	21 39.85	−21 50.4	19.4	−0.83	− 9.0	2.6/13.1	17150
2002 PC_{31}	2002 08 15.6	21 39.93	−09 44.4	17.6	−0.77	− 2.9	1.3/16.8	33724
1999 WB_{14}	2002 08 15.6	21 40.01	−18 12.1	20.4	−0.96	− 5.0	1.5/14.5	*40402*
1994 WK_{8}	2002 08 15.6	21 40.03	−19 20.2	18.9	−0.83	− 6.2	1.7/14.1	14105
2001 DT_{15}	2002 08 15.6	21 40.06	−23 30.9	19.6	−1.07	− 4.5	3.8/13.2	11861
2000 FZ_{1}	2002 08 15.7	21 40.06	−16 04.7	18.4	−0.78	− 3.7	0.7/15.1	33871
1998 SV_{59}	2002 08 15.7	21 40.15	−17 44.9	18.6	−0.89	− 5.7	1.5/14.6	20705
1995 SA_{23}	2002 08 15.7	21 40.24	−16 59.4	20.3	−0.97	− 5.4	1.1/14.9	13543
2001 HL_{20}	2002 08 15.7	21 40.24	−24 54.9	19.9	−0.76	− 8.0	3.1/12.2	14275
2001 BW_{48}	2002 08 15.7	21 40.35	+01 04.9	18.5	−0.94	− 5.2	5.7/20.1	33359
2000 ET_{14}	2002 08 15.7	21 40.36	−14 47.7	20.4	−0.81	− 3.8	0.3/15.5	19531
1999 JH	2002 08 15.7	21 40.36	−60 46.0	18.6	−2.38	+ 6.5	21.9/06.7	9724
1999 VZ_{145}	2002 08 15.7	21 40.37	−09 47.7	18.9	−0.95	− 6.2	1.7/16.9	33839
2001 FK_{124}	2002 08 15.7	21 40.40	−19 35.3	20.6	−1.00	− 5.3	2.1/14.2	12081
2002 LS_{50}	2002 08 15.7	21 40.41	−04 03.2	16.5	−0.58	−13.9	4.5/19.7	34017
2001 FU_{79}	2002 08 15.7	21 40.47	−12 01.2	18.1	−0.92	− 1.7	0.7/16.3	33904
1999 VG_{37}	2002 08 15.7	21 40.50	−01 44.1	18.5	−1.00	− 3.1	5.5/18.8	33130
1997 TP_{27}	2002 08 15.8	21 40.52	−10 04.5	20.1	−0.73	− 4.8	1.1/17.0	1924
2002 NO_{55}	2002 08 15.8	21 40.57	−05 08.6	16.9	−0.63	− 4.6	5.0/18.6	33692
1999 WV_{4}	2002 08 15.8	21 40.59	−19 40.8	19.3	−0.89	− 5.9	1.9/14.2	14378
1998 YH_{12}	2002 08 15.8	21 40.59	+04 23.1	19.1	−0.83	− 0.1	5.3/20.4	33064
1997 LH_{3}	2002 08 15.8	21 40.60	−12 57.2	19.7	−0.84	− 5.9	0.4/16.1	26872

1999 VR_{113}	2002 08 15.8	21 40.61	−13 20.0	17.4	−0.96	−	1.7	0.3/16.0	33138
1999 XM_{33}	2002 08 15.8	21 40.61	−16 00.1	18.7	−0.89	−	5.9	0.7/15.2	*40409*
1999 AX_{25}	2002 08 15.8	21 40.69	−02 48.1	16.8	−0.90	+	0.9	3.6/18.3	33065
1995 UN_{24}	2002 08 15.8	21 40.72	+07 31.4	19.5	−0.73	−	5.9	10.5/22.9	33006
1997 BX_1	2002 08 15.8	21 40.74	−19 17.0	20.8	−1.00	−	4.8	1.9/14.4	13549
1994 PW_{10}	2002 08 15.8	21 40.75	−11 45.7	18.4	−0.81	−	6.6	1.0/16.5	33755
2001 FU_{90}	2002 08 15.8	21 40.77	−19 25.8	19.6	−0.98	−	4.9	2.0/14.4	13838
2000 DC_5	2002 08 15.8	21 40.79	−24 15.9	17.0	−0.90	−	1.7	3.6/13.2	33209
1999 XN_{222}	2002 08 15.8	21 40.80	−14 54.7	19.0	−0.95	−	3.4	0.4/15.6	33173
2000 HF_{84}	2002 08 15.8	21 40.83	−30 37.4	19.7	−0.79	−	5.9	4.3/10.6	31909
2001 EM_{11}	2002 08 15.8	21 40.85	−13 19.9	19.8	−0.89	−	7.5	0.2/16.1	18314
1044 T-3	2002 08 15.9	21 40.81	−00 11.9	17.8	−0.93	−	3.5	6.0/19.5	34059
2001 KS_{11}	2002 08 15.9	21 40.85	−35 16.5	19.1	−0.84	−	4.8	5.9/09.2	25898
2000 EA_{152}	2002 08 15.9	21 40.86	+04 32.4	18.3	−0.77	−	2.9	5.6/21.2	33226
2000 DL_{85}	2002 08 15.9	21 40.90	−21 26.8	19.0	−0.85	−	5.8	2.3/13.7	*40468*
2002 OZ_{21}	2002 08 15.9	21 41.00	−15 38.1	18.2	−1.06	+	2.3	0.9/15.6	33712
3018 T-2	2002 08 15.9	21 41.02	−09 12.0	18.5	−0.84	−	8.8	2.0/17.4	33737
1998 MO_7	2002 08 15.9	21 41.04	−07 15.4	17.9	−1.12	+	1.6	2.8/17.2	33769
2001 DG_{61}	2002 08 15.9	21 41.06	−10 02.9	17.1	−0.97	−	3.3	1.7/16.9	33375
2000 BC_{26}	2002 08 15.9	21 41.19	−16 01.9	18.6	−0.77	−	4.3	0.6/15.4	33860
2000 AP_{92}	2002 08 15.9	21 41.21	−26 37.7	18.5	−1.32	+	1.0	4.5/13.4	697
2000 WJ_{141}	2002 08 15.9	21 41.23	+05 34.1	17.5	−1.36	+	3.4	9.0/19.4	33321
1998 SE_{138}	2002 08 16.0	21 41.15	−21 57.1	17.9	−0.92	−	2.6	3.1/13.9	31836
1999 XG_{117}	2002 08 16.0	21 41.18	−05 44.2	16.8	−0.90	+	0.2	4.5/17.9	33164
2000 DS_{46}	2002 08 16.0	21 41.27	−12 01.1	19.5	−0.79	−	4.1	0.6/16.5	10952
1999 UY_2	2002 08 16.0	21 41.33	−07 21.1	18.8	−0.95	−	6.7	3.0/17.9	33834
1998 QL_{46}	2002 08 16.0	21 41.36	−24 30.6	17.4	−1.17	+	3.0	4.6/14.1	13571
2000 FV_{16}	2002 08 16.0	21 41.38	−19 10.2	18.9	−0.73	−	6.2	1.5/14.4	33871
2001 KB_{64}	2002 08 16.0	21 41.45	−13 28.8	19.2	−0.87	−	5.6	0.1/16.2	14324
1999 JQ_5	2002 08 16.0	21 41.52	−58 25.0	19.9	−1.78	−	0.3	20.4/01.7	8056
1998 RM_{42}	2002 08 16.0	21 41.53	−04 37.5	16.5	−0.69	−	2.7	4.8/18.7	33037
2002 OS_{14}	2002 08 16.0	21 41.54	+00 46.3	17.5	−0.79	−	4.7	6.1/20.5	33706
1999 TM_{217}	2002 08 16.0	21 41.58	−11 53.7	17.5	−0.86	−	7.0	1.0/16.7	33112
1998 SC_{80}	2002 08 16.0	21 41.58	−11 31.6	18.2	−0.92	−	3.2	0.9/16.7	33780
2001 FW_{52}	2002 08 16.0	21 41.61	−10 55.1	19.6	−0.95	−	3.6	1.0/16.9	33903
2000 AR_{52}	2002 08 16.1	21 41.61	−08 59.8	19.2	−1.02	−	4.6	2.0/17.4	*40430*
2001 EY	2002 08 16.1	21 41.63	−32 47.1	17.5	−1.14	+	0.3	7.8/11.9	13819
2001 HW_{26}	2002 08 16.1	21 41.66	+19 11.0	18.8	−0.71	−	4.6	10.3/28.1	33410
2001 FS_{43}	2002 08 16.1	21 41.70	−16 56.4	19.9	−0.94	−	3.1	1.1/15.3	13299
2000 AB_{57}	2002 08 16.1	21 41.70	−19 57.4	18.4	−0.83	−	6.7	2.3/14.3	33854
1999 XL_{88}	2002 08 16.1	21 41.71	−13 44.2	18.0	−0.95	−	6.0	0.0/16.2	33846
2000 AD_{159}	2002 08 16.1	21 41.72	−18 43.4	18.0	−1.01	−	4.8	2.0/14.8	33190
1995 WO_{17}	2002 08 16.1	21 41.78	−13 20.5	17.4	−0.87	−	2.7	0.2/16.3	33007
2000 EC_{92}	2002 08 16.1	21 41.83	−03 32.5	19.0	−0.73	−	4.7	2.8/19.2	33869
1998 HP_{121}	2002 08 16.1	21 41.84	−20 39.8	19.0	−1.00	−	6.7	2.7/14.2	12124
1999 XP_{67}	2002 08 16.1	21 41.86	−12 15.2	18.7	−0.94	−	5.4	0.6/16.6	33157
1998 SX_{67}	2002 08 16.1	21 41.87	−05 48.6	16.8	−0.92	−	0.2	3.8/18.1	33779
2000 AF_{171}	2002 08 16.1	21 41.94	−22 15.4	18.6	−0.84	−	7.9	2.7/13.5	33858
2000 AN_2	2002 08 16.1	21 41.96	−18 29.1	18.0	−1.05	−	0.1	1.7/15.2	33852
2000 CR_4	2002 08 16.1	21 41.98	−10 18.1	19.2	−0.87	−	3.8	1.2/17.1	33861
2001 BQ_{75}	2002 08 16.2	21 41.91	−13 55.9	17.1	−1.11	+	1.1	0.1/16.2	33894
2001 GS_{10}	2002 08 16.2	21 41.91	−01 55.0	18.7	−0.85	−	3.2	4.1/19.5	33406
2001 HJ_{65}	2002 08 16.2	21 41.92	+07 30.1	18.9	−0.84	−	5.4	7.6/22.8	33910
1997 RS_2	2002 08 16.2	21 41.96	−18 12.4	19.0	−0.85	−	1.9	1.4/15.1	33762
2001 ET_{24}	2002 08 16.2	21 42.02	−35 16.2	16.8	−0.90	−	7.2	8.6/09.1	33900
2001 HT_{39}	2002 08 16.2	21 42.04	−11 16.0	21.1	−0.91	−	5.2	0.9/16.9	17603
2000 XT_{37}	2002 08 16.2	21 42.14	+02 34.8	18.1	−1.72	+13.3		9.7/17.0	33331
1999 TG_{21}	2002 08 16.2	21 42.14	−56 41.6	19.5	−1.76	−	1.8	15.1/31.4	5628
2001 FF_{144}	2002 08 16.2	21 42.15	−11 58.5	18.8	−0.86	−	6.3	0.6/16.8	33906
2001 KL_{31}	2002 08 16.2	21 42.22	+01 47.1	19.2	−0.69	−	6.4	4.7/21.4	33417
1998 SN_{162}	2002 08 16.2	21 42.25	−03 39.1	20.1	−0.81	−	3.9	3.0/19.1	8416
2000 AX_{217}	2002 08 16.2	21 42.25	−11 02.8	19.1	−0.89	−	3.7	1.0/17.0	33859
1998 HU_{117}	2002 08 16.2	21 42.29	−19 58.5	18.8	−0.99	−	7.1	2.5/14.5	33767
1999 RJ_{92}	2002 08 16.2	21 42.29	−21 49.2	19.1	−1.16	−	2.3	3.4/14.4	33819
2001 HZ_{47}	2002 08 16.2	21 42.30	+03 15.7	19.9	−0.91	−	2.7	5.8/20.9	33413
2001 FT_{119}	2002 08 16.2	21 42.32	−16 18.1	20.2	−0.94	−	4.3	0.9/15.6	16094
2002 PV_{34}	2002 08 16.2	21 42.32	−09 16.0	19.5	−0.92	−	6.3	1.6/17.6	33726
1999 TM_{191}	2002 08 16.2	21 42.36	−12 56.5	18.5	−1.10	−	1.7	0.4/16.5	33109
2000 CU_{88}	2002 08 16.3	21 42.31	−20 08.4	18.6	−0.94	−	6.3	2.3/14.4	33207
2002 PO_{31}	2002 08 16.3	21 42.33	−12 26.8	17.6	−0.81	−	3.9	0.5/16.7	33725
1999 TG_{22}	2002 08 16.3	21 42.37	−08 59.9	20.0	−0.95	−	7.0	1.8/17.7	33826
1994 PD_{34}	2002 08 16.3	21 42.40	−11 16.6	18.3	−0.87	−	4.9	1.1/17.0	33756
1999 XX_{206}	2002 08 16.3	21 42.41	−37 34.1	16.9	−0.98	−	2.5	10.6/09.2	31887
2001 HW_{31}	2002 08 16.3	21 42.41	−38 05.4	19.5	−0.88	−	4.1	6.9/08.8	23619
2000 AZ_{204}	2002 08 16.3	21 42.55	−14 58.1	18.4	−0.87	−	3.7	0.5/16.0	33859
2001 DW_{19}	2002 08 16.3	21 42.56	−37 52.5	18.3	−1.25	+	1.5	9.5/11.2	13813
2002 PN_{68}	2002 08 16.3	21 42.61	−11 59.4	18.3	−0.78	−	4.0	0.6/16.9	33732
2001 AN_{25}	2002 08 16.3	21 42.62	+02 21.9	19.0	−1.19	+	0.8	5.9/19.9	11026
2001 DS_2	2002 08 16.3	21 42.63	−14 41.1	19.4	−0.99	−	4.1	0.4/16.1	33896
1999 XL_{74}	2002 08 16.3	21 42.63	−17 29.3	19.3	−0.98	−	6.5	1.5/15.3	33845
2001 FN_{95}	2002 08 16.3	21 42.70	−28 48.1	19.7	−1.11	−	4.1	5.6/12.3	13839
1996 XL_3	2002 08 16.3	21 42.71	−16 27.5	18.5	−1.09	−	2.8	1.1/15.7	33760
2001 FE_{38}	2002 08 16.3	21 42.71	−18 36.4	18.6	−1.04	−	0.2	1.9/15.3	33388
1998 SV_{13}	2002 08 16.4	21 42.66	−21 37.3	17.5	−0.96	−	4.0	3.5/14.2	33042
2001 BS_2	2002 08 16.4	21 42.67	−10 30.5	17.9	−1.57	+	6.9	1.7/16.8	33356
2000 EZ_{100}	2002 08 16.4	21 42.67	−04 02.8	19.9	−0.69	−	6.1	2.9/19.5	33869
2000 EG_{201}	2002 08 16.4	21 42.68	−20 40.7	18.3	−0.77	−	3.6	2.1/14.4	33227
1999 XZ_{247}	2002 08 16.4	21 42.70	−15 51.1	19.2	−0.80	−	5.2	0.6/15.8	14174
1997 SD_{32}	2002 08 16.4	21 42.72	−15 26.1	20.1	−0.80	−	2.9	0.5/16.0	16764
2000 GX_{112}	2002 08 16.4	21 42.75	−16 34.1	18.9	−0.76	−	4.0	0.8/15.6	33874
1999 UC_{32}	2002 08 16.4	21 42.86	−17 06.8	19.7	−0.99	−	4.9	1.2/15.5	12970
2000 AG_{236}	2002 08 16.4	21 42.86	+00 30.4	19.1	−0.87	−	2.1	4.5/20.2	33194
2001 FO_{141}	2002 08 16.4	21 42.87	−14 21.9	17.3	−0.83	−	6.8	0.3/16.3	33906
2001 KW_{25}	2002 08 16.4	21 42.90	+09 15.8	19.1	−0.77	−	2.4	6.8/23.3	33911
1998 RU_{80}	2002 08 16.4	21 43.03	−35 11.7	18.3	−1.23	+	2.3	8.8/11.9	30282
1999 WZ_4	2002 08 16.4	21 43.03	−37 05.1	18.3	−1.00	−	6.4	7.9/08.9	13016
1999 TK_{264}	2002 08 16.4	21 43.03	−07 05.9	20.2	−0.93	−	5.9	2.5/18.4	14792
2000 ET_{171}	2002 08 16.4	21 43.04	−26 59.8	18.8	−0.78	−	4.9	3.8/12.4	1262
2000 YO_{123}	2002 08 16.4	21 43.07	−23 40.7	17.6	−0.86	−	9.1	3.5/13.2	13802
1999 TF_{239}	2002 08 16.5	21 43.04	−14 39.2	17.4	−0.77	−	7.0	0.5/16.2	33114
1999 VV_{59}	2002 08 16.5	21 43.15	−06 57.0	19.0	−0.98	−	5.1	3.0/18.0	33838
1998 QV_{104}	2002 08 16.5	21 43.27	−22 55.8	17.4	−0.90	−	5.2	3.7/13.8	33773

1998 RX_{52}	2002 08 16.5	21 43.31	−20 27.6	18.2	−0.91	− 3.9	2.7/14.7	33776
2001 DT_{76}	2002 08 16.5	21 43.40	−09 31.6	18.3	−0.87	− 3.4	1.4/18.0	33376
2000 EG_{67}	2002 08 16.5	21 43.41	−12 16.9	18.6	−0.78	− 3.5	0.4/17.0	33868
1999 TC_{174}	2002 08 16.5	21 43.47	−23 27.0	17.9	−1.13	− 0.2	4.6/14.5	33831
2000 AB_{216}	2002 08 16.6	21 43.60	−13 24.6	17.2	−0.77	−11.5	0.1/16.7	33859
2001 JM_{3}	2002 08 16.6	21 43.66	−02 34.8	19.8	−0.82	− 4.3	3.6/19.9	33416
1999 XG_{84}	2002 08 16.6	21 43.71	+00 25.5	17.7	−0.98	− 1.6	5.4/20.1	33846
2000 ER_{20}	2002 08 16.6	21 43.71	+03 50.0	18.7	−0.79	− 1.2	5.0/21.4	33221
2001 DP_{97}	2002 08 16.6	21 43.76	−20 22.1	20.2	−0.99	− 4.2	2.6/14.9	13264
2001 FE_{34}	2002 08 16.6	21 43.77	−15 12.3	19.8	−0.98	− 4.2	0.6/16.3	13828
2000 HB_{44}	2002 08 16.6	21 43.81	−16 52.5	18.9	−0.77	− 4.5	0.9/15.7	33875
2000 AR_{125}	2002 08 16.6	21 43.81	−09 51.9	19.3	−0.76	− 3.2	1.0/17.7	7519
2001 AA_{15}	2002 08 16.6	21 43.86	−05 10.8	18.6	−1.01	− 4.1	3.5/19.0	12268
1999 XC_{256}	2002 08 16.7	21 43.80	−05 53.7	19.2	−0.89	− 6.4	3.0/19.0	33851
2000 DZ_{35}	2002 08 16.7	21 43.87	−12 44.5	18.7	−0.78	− 4.3	0.3/17.0	33865
2002 NY_{24}	2002 08 16.7	21 43.87	−13 49.8	17.2	−0.75	−13.5	0.1/16.7	33667
2001 FP_{126}	2002 08 16.7	21 43.90	−21 30.0	20.5	−0.93	− 4.9	2.6/14.5	13842
2001 HX_{49}	2002 08 16.7	21 43.91	+07 51.6	18.1	−0.69	−10.7	6.4/24.9	33413
2001 BX_{49}	2002 08 16.7	21 43.92	−15 12.7	19.1	−0.95	− 5.7	0.6/16.3	33360
2000 EC_{128}	2002 08 16.7	21 43.92	−14 26.4	19.3	−0.73	− 5.1	0.2/16.5	33870
1999 JV_{11}	2002 08 16.7	21 43.96	−57 46.8	18.8	−1.33	−11.2	20.4/29.0	9095
1994 PD_{27}	2002 08 16.7	21 44.00	−20 25.7	17.8	−1.07	− 0.9	2.7/15.2	33756
2002 NG_{39}	2002 08 16.7	21 44.07	+12 37.9	17.5	−0.80	+ 0.2	12.6/23.5	33681
2000 EW_{119}	2002 08 16.7	21 44.10	−21 07.7	18.8	−0.77	− 6.7	2.3/14.4	33870
2001 HF_{52}	2002 08 16.7	21 44.14	−10 06.2	18.9	−0.83	− 4.2	1.3/17.8	33909
2002 LA_{44}	2002 08 16.7	21 44.17	+08 51.1	17.9	−0.75	− 2.6	10.1/23.6	33623
2000 DU_{30}	2002 08 16.7	21 44.19	−09 54.0	17.9	−0.85	− 3.6	1.4/17.8	33865
2001 FE_{80}	2002 08 16.7	21 44.21	+00 43.6	20.4	−0.83	− 4.5	4.4/21.0	33904
1999 TA_{171}	2002 08 16.7	21 44.23	−04 38.7	18.6	−0.92	− 6.7	3.6/19.4	13613
1999 TT_{191}	2002 08 16.8	21 44.16	−04 51.6	18.3	−1.01	− 0.7	4.4/18.8	33109
2001 FB_{78}	2002 08 16.8	21 44.17	−32 14.7	18.1	−0.91	− 2.6	6.5/11.6	16093
2001 FZ_{87}	2002 08 16.8	21 44.22	−22 34.1	21.0	−0.91	− 4.9	3.0/14.3	13326
2002 PC_{53}	2002 08 16.8	21 44.22	−13 21.5	17.8	−0.91	− 4.6	0.1/16.9	33730
1999 VD_{182}	2002 08 16.8	21 44.30	−08 30.9	18.9	−0.90	− 5.3	2.2/18.3	33143
2001 HZ_{25}	2002 08 16.8	21 44.33	−20 25.0	19.3	−0.85	− 4.5	2.5/14.9	33909
2002 PP_{10}	2002 08 16.8	21 44.34	−07 47.4	18.4	−0.81	− 8.8	2.6/18.7	33718
1999 XN_{159}	2002 08 16.8	21 44.45	−11 10.8	18.6	−0.95	− 5.9	1.0/17.5	33167
1997 SZ_{4}	2002 08 16.8	21 44.48	−40 35.8	17.9	−1.12	+ 1.3	8.8/10.3	13553
2000 DG_{44}	2002 08 16.8	21 44.54	−12 27.0	17.1	−0.77	− 3.8	0.4/17.2	33212
2000 DR_{51}	2002 08 16.8	21 44.58	−15 57.4	17.2	−0.75	− 4.4	0.9/16.2	33866
2001 FO_{175}	2002 08 16.8	21 44.58	−37 23.1	18.5	−0.98	− 5.0	8.3/09.5	14426
1999 VH_{225}	2002 08 16.8	21 44.58	−11 30.6	19.5	−0.93	− 7.8	0.9/17.5	3922
2000 GW_{56}	2002 08 16.9	21 44.54	−16 17.0	18.2	−0.76	− 4.0	0.8/16.1	33873
1999 VV_{219}	2002 08 16.9	21 44.59	−08 08.4	19.3	−0.88	− 6.9	1.8/18.5	18219
1997 CG_{19}	2002 08 16.9	21 44.64	−15 51.8	20.8	−0.99	− 4.3	0.8/16.3	15024
1997 GW_{18}	2002 08 16.9	21 44.66	−06 56.6	18.4	−0.86	− 5.6	2.5/18.9	33012
1998 SH_{9}	2002 08 16.9	21 44.67	−08 09.2	19.2	−0.82	− 5.6	1.9/18.5	31829
1994 PZ_{18}	2002 08 16.9	21 44.70	−20 19.7	18.0	−1.11	+ 0.5	2.3/15.5	33756
1989 SA_{2}	2002 08 16.9	21 44.72	−25 43.7	17.5	−0.88	− 4.3	5.1/13.4	33751
1999 TZ_{215}	2002 08 16.9	21 44.72	−15 27.2	18.8	−0.98	− 6.0	0.7/16.4	33832
2001 BB_{57}	2002 08 16.9	21 44.75	−14 00.6	19.1	−0.88	− 6.3	0.2/16.8	33361
2001 AQ_{27}	2002 08 16.9	21 44.79	−53 15.2	18.1	−1.22	−15.3	18.0/29.0	11026
1999 XJ_{90}	2002 08 16.9	21 44.79	−17 09.5	19.5	−0.76	− 4.0	0.9/15.9	33846
2001 AQ_{17}	2002 08 16.9	21 44.80	−11 02.1	19.7	−0.92	− 3.7	0.8/18.0	13804
2000 AU_{104}	2002 08 16.9	21 44.81	−22 12.0	18.8	−0.96	− 8.4	3.4/14.2	33856
1981 EX_{42}	2002 08 16.9	21 44.82	−17 22.5	18.8	−1.00	− 3.8	1.4/16.0	*40291*
1999 TA_{213}	2002 08 16.9	21 44.83	−19 12.1	19.5	−1.04	− 3.4	2.0/15.5	13615
2002 PE_{32}	2002 08 16.9	21 44.88	−09 29.3	18.3	−0.85	− 3.7	1.4/18.0	33725
2000 BU_{12}	2002 08 16.9	21 44.91	−15 58.7	19.0	−0.81	− 7.0	0.8/16.2	33197
2000 AX_{70}	2002 08 16.9	21 44.92	−09 50.8	20.2	−0.96	− 5.9	1.4/18.0	23512
1999 XT_{32}	2002 08 17.0	21 44.91	−08 25.3	19.6	−0.80	− 3.0	1.4/18.4	*40408*
2001 DO_{19}	2002 08 17.0	21 44.91	−18 43.5	18.8	−0.88	− 7.4	1.9/15.4	33372
2002 OR_{17}	2002 08 17.0	21 44.92	−02 55.3	18.0	−0.77	− 2.8	3.2/19.9	33708
2001 KS_{64}	2002 08 17.0	21 44.94	−16 32.9	19.1	−0.79	− 8.8	0.9/16.0	33419
2000 EX_{109}	2002 08 17.0	21 44.95	+00 17.4	18.0	−0.73	− 4.1	4.0/21.1	33225
2001 FS_{130}	2002 08 17.0	21 44.99	+00 28.1	18.5	−0.89	− 5.9	5.3/21.3	33401
1998 SN_{3}	2002 08 17.0	21 45.00	−21 02.2	19.6	−0.86	− 5.2	2.4/14.8	33777
1998 SS_{121}	2002 08 17.0	21 45.01	−06 33.0	18.7	−0.85	− 4.0	2.5/19.0	33783
2001 HY_{31}	2002 08 17.0	21 45.01	−01 39.7	19.8	−0.72	− 4.4	3.3/20.6	33909
2001 FA_{38}	2002 08 17.0	21 45.07	+03 14.7	17.5	−0.75	− 9.5	6.1/23.1	33902
2000 DJ_{11}	2002 08 17.0	21 45.12	−09 01.6	20.1	−0.72	− 4.8	1.3/18.4	711
1997 CO_{2}	2002 08 17.0	21 45.12	−16 36.2	21.1	−0.93	− 6.2	1.1/16.2	*38456*
1998 NK_{1}	2002 08 17.0	21 45.14	−10 40.4	20.2	−0.95	− 3.3	1.1/17.8	16834
1997 SJ_{31}	2002 08 17.0	21 45.14	−13 44.9	19.1	−0.79	− 3.8	0.1/17.0	33762
2000 AB_{53}	2002 08 17.0	21 45.17	−05 12.0	18.1	−1.02	− 3.3	3.6/19.1	*40430*
2000 CE_{120}	2002 08 17.0	21 45.19	−04 17.8	18.7	−0.87	− 4.5	3.4/19.7	17162
1999 UT_{24}	2002 08 17.0	21 45.23	−01 24.4	18.4	−0.97	− 4.2	5.0/20.3	33835
1999 TL_{293}	2002 08 17.0	21 45.24	+04 09.0	19.7	−0.93	− 3.8	6.1/22.0	12966
2001 EX_{7}	2002 08 17.0	21 45.24	−11 30.6	18.5	−0.82	− 8.2	0.8/18.0	33380
1998 FW_{51}	2002 08 17.0	21 45.29	−24 14.7	17.4	−1.06	− 2.0	5.2/14.5	10847
1998 QF_{72}	2002 08 17.0	21 45.33	+11 18.3	17.7	−0.90	− 1.4	9.9/23.6	33772
2002 PU_{32}	2002 08 17.0	21 45.34	−10 03.1	17.5	−1.00	+ 1.1	1.8/17.8	33725
1998 FK_{122}	2002 08 17.0	21 45.34	−08 34.7	18.9	−0.98	− 6.2	2.1/18.5	33766
1999 TD_{226}	2002 08 17.1	21 45.33	−13 32.7	17.3	−0.91	− 4.2	0.0/17.1	33833
2000 EH_{75}	2002 08 17.1	21 45.41	+12 02.7	18.9	−0.82	− 7.2	7.9/25.4	26939
2001 HC_{3}	2002 08 17.1	21 45.43	−07 06.0	19.2	−0.78	− 4.4	2.0/19.0	33908
1999 VQ_{36}	2002 08 17.1	21 45.46	−29 35.8	17.0	−0.94	− 5.0	7.9/12.2	33837
2002 NH_{32}	2002 08 17.1	21 45.53	+14 54.3	17.8	−0.94	− 0.2	10.6/24.3	33673
2002 PL_{32}	2002 08 17.1	21 45.53	−10 54.1	18.6	−0.97	− 8.1	1.2/18.0	33725
2000 AZ_{244}	2002 08 17.1	21 45.60	−13 13.0	18.4	−0.83	− 7.9	0.1/17.3	33195
2001 FQ_{171}	2002 08 17.1	21 45.62	−19 12.8	17.6	−0.74	− 9.7	1.9/15.2	33404
1998 SB_{107}	2002 08 17.1	21 45.63	−21 23.7	18.0	−0.94	− 2.7	2.9/15.1	33782
2000 CL_{51}	2002 08 17.1	21 45.66	−08 51.0	18.6	−0.86	− 2.7	1.4/18.4	33204
2002 PT_{32}	2002 08 17.1	21 45.69	−10 56.9	17.1	−0.85	− 6.0	1.2/17.9	33725
2000 EH_{159}	2002 08 17.2	21 45.70	−09 53.3	18.7	−0.70	− 6.8	1.1/18.4	33871
2002 OO_{18}	2002 08 17.2	21 45.70	−03 58.6	17.4	−0.82	− 6.2	4.1/20.1	33709
1999 TT_{130}	2002 08 17.2	21 45.76	−11 45.9	18.8	−1.01	− 4.7	0.8/18.0	33102
2001 KQ_{30}	2002 08 17.2	21 45.86	−06 53.8	18.6	−0.74	− 3.8	2.1/19.2	33911
2001 DX_{78}	2002 08 17.2	21 45.92	−33 36.4	18.2	−1.01	− 2.5	7.7/11.9	30452
1998 RR_{12}	2002 08 17.2	21 45.96	−09 00.5	19.2	−0.84	− 5.7	1.9/18.6	33034
5051 T-2	2002 08 17.3	21 46.02	−15 20.1	17.8	−1.12	+ 1.3	0.8/16.9	34058
1998 XH_{74}	2002 08 17.3	21 46.02	−39 02.8	18.8	−0.93	− 3.5	7.1/09.2	248

2002 NA_{25}	2002 08 17.3	21 46.02	−13 40.8	17.1	−0.61	−11.6	0.1/17.2	34024
1999 XF_{53}	2002 08 17.3	21 46.03	−06 48.1	19.8	−0.93	− 4.7	2.4/19.1	13631
2001 FY_{38}	2002 08 17.3	21 46.04	−13 58.2	19.3	−0.94	− 3.3	0.2/17.2	17576
1998 WL_{9}	2002 08 17.3	21 46.14	−11 57.3	19.4	−0.75	− 3.0	0.4/17.7	630
1999 TC_{156}	2002 08 17.3	21 46.18	−08 22.0	18.2	−0.92	− 7.5	2.2/18.9	33105
2001 AN_{46}	2002 08 17.3	21 46.19	−52 19.2	19.1	−1.84	+ 0.8	17.0/06.4	9612
2001 FH_{46}	2002 08 17.3	21 46.25	−36 50.7	19.2	−1.10	− 0.4	7.5/11.6	13830
2001 KG_{52}	2002 08 17.3	21 46.28	−28 50.6	19.8	−0.90	− 4.3	4.8/12.9	14317
1997 CM_{20}	2002 08 17.3	21 46.30	−18 24.6	19.3	−0.96	− 5.1	1.7/16.0	33760
2001 DW_{30}	2002 08 17.3	21 46.31	−27 19.0	17.8	−1.08	+ 0.9	5.8/14.4	31940
2001 FV_{136}	2002 08 17.3	21 46.40	−20 59.1	16.8	−0.67	−10.5	2.9/14.6	33906
1999 YW_{27}	2002 08 17.3	21 46.42	−32 39.8	18.3	−1.21	− 1.5	8.5/12.3	17124
2000 EM_{198}	2002 08 17.3	21 46.42	−10 07.0	17.1	−0.87	− 1.4	1.1/18.2	33871
2000 CB_{63}	2002 08 17.3	21 46.45	−15 12.6	17.7	−0.86	− 1.5	0.6/16.9	33863
1999 VE_{86}	2002 08 17.4	21 46.46	−16 37.6	19.1	−0.98	− 4.3	1.1/16.6	12996
1999 XY_{27}	2002 08 17.4	21 46.51	−29 45.0	18.9	−1.09	− 3.1	6.5/13.1	13629
1998 WH_{5}	2002 08 17.4	21 46.52	+03 29.2	18.9	−0.67	− 7.4	4.3/23.2	33789
1999 TJ_{231}	2002 08 17.4	21 46.53	−12 35.3	18.8	−0.94	− 8.8	0.3/17.7	33833
2001 FB_{51}	2002 08 17.4	21 46.56	−12 28.7	19.2	−0.88	− 3.9	0.3/17.7	33903
1999 AT_{13}	2002 08 17.4	21 46.59	−21 32.9	18.8	−0.73	− 6.6	2.5/14.8	33792
2000 AP_{88}	2002 08 17.4	21 46.61	−11 11.2	18.3	−0.96	− 4.0	0.9/18.0	33855
2000 CH_{26}	2002 08 17.4	21 46.61	−10 34.1	18.8	−0.77	− 3.1	0.8/18.2	14394
1999 VA_{72}	2002 08 17.4	21 46.62	−16 26.9	19.4	−0.81	− 4.7	0.9/16.6	33838
2000 BN_{15}	2002 08 17.4	21 46.65	−41 59.0	18.6	−0.97	− 2.6	8.9/09.0	14393
1995 OY_{9}	2002 08 17.4	21 46.82	+02 58.9	20.3	−1.24	+ 1.9	6.4/20.8	12110
1999 TS_{16}	2002 08 17.4	21 46.82	−03 45.6	19.1	−0.95	− 5.9	4.2/20.2	33826
1997 AX_{5}	2002 08 17.4	21 46.85	−08 58.7	17.9	−1.07	− 2.5	1.9/18.6	33760
1999 XM_{164}	2002 08 17.5	21 46.77	−30 04.1	18.9	−0.79	− 5.8	4.4/12.2	33849
1999 TF_{288}	2002 08 17.5	21 46.88	−15 13.8	20.9	−0.99	− 5.4	0.7/17.0	15050
2002 OW_{6}	2002 08 17.5	21 46.95	+00 57.8	17.9	−0.76	− 2.1	3.9/21.5	33700
2001 FV_{18}	2002 08 17.5	21 47.01	−26 29.4	19.4	−1.07	− 0.5	4.6/14.5	13825
2001 DA_{24}	2002 08 17.5	21 47.02	−16 30.4	18.6	−0.95	− 6.4	1.3/16.6	33372
2000 AW_{118}	2002 08 17.5	21 47.07	−07 08.6	18.4	−0.96	− 4.5	2.6/19.2	33856
1999 TJ_{49}	2002 08 17.5	21 47.10	−20 39.6	18.4	−1.04	− 4.5	3.1/15.6	33827
2000 DC_{106}	2002 08 17.5	21 47.11	−26 25.2	18.6	−0.87	− 3.1	4.3/13.9	19529
2000 BF_{7}	2002 08 17.5	21 47.11	−31 07.0	18.7	−0.94	− 5.6	6.5/12.1	17146
2000 EH_{122}	2002 08 17.6	21 47.16	−15 24.2	18.8	−0.77	− 4.7	0.6/17.0	33870
2000 GE_{26}	2002 08 17.6	21 47.27	−20 33.1	19.9	−0.77	− 3.1	2.0/15.6	26948
1998 EX_{9}	2002 08 17.6	21 47.28	−08 46.8	19.3	−0.96	− 7.5	1.9/19.0	33017
2001 DZ_{74}	2002 08 17.6	21 47.31	+08 26.4	19.6	−0.72	− 5.0	5.9/24.9	33898
1999 XU_{187}	2002 08 17.6	21 47.39	−18 03.1	16.4	−1.05	+ 0.8	2.5/16.6	33850
2000 CQ_{100}	2002 08 17.6	21 47.40	−11 38.4	17.7	−1.08	+ 2.2	0.7/18.0	33864
2001 HG_{18}	2002 08 17.6	21 47.52	+02 49.4	18.9	−0.69	−10.2	4.6/23.6	33410
2001 DP_{45}	2002 08 17.6	21 47.60	−13 34.3	19.1	−1.06	− 3.0	0.1/17.6	33898
2001 HT_{40}	2002 08 17.7	21 47.54	−31 48.6	19.3	−0.84	− 5.6	5.3/11.9	18317
2002 NP_{51}	2002 08 17.7	21 47.61	−26 04.3	17.7	−0.81	−12.1	5.1/13.1	33690
2001 FT_{136}	2002 08 17.7	21 47.62	−30 14.8	18.4	−0.88	− 6.5	5.9/12.3	13843
2000 CH_{38}	2002 08 17.7	21 47.67	−14 11.9	18.4	−0.83	− 5.3	0.3/17.5	33862
2000 DQ_{100}	2002 08 17.7	21 47.68	−20 07.7	19.3	−0.78	− 4.7	2.1/15.7	33867
1999 VS_{162}	2002 08 17.7	21 47.69	−25 35.3	19.4	−1.02	− 3.5	4.3/14.5	33840
1999 XY_{202}	2002 08 17.7	21 47.70	−21 35.8	19.1	−0.94	− 2.1	2.7/15.6	33850
1998 RV_{50}	2002 08 17.7	21 47.79	−09 00.0	18.6	−0.86	− 4.7	1.6/19.0	33776
1998 RA_{44}	2002 08 17.7	21 47.81	−19 27.0	17.9	−0.95	− 5.0	2.5/16.0	33037
1999 XL_{197}	2002 08 17.7	21 47.81	−20 49.6	19.1	−0.93	− 2.2	2.3/15.8	33850
2001 KD_{3}	2002 08 17.7	21 47.81	−07 26.2	18.2	−0.82	− 4.9	2.0/19.5	33910
1998 QM_{43}	2002 08 17.7	21 47.81	−20 05.1	17.6	−0.88	− 8.4	3.1/15.6	33028
2002 PU_{11}	2002 08 17.7	21 47.84	−22 14.9	18.2	−1.02	+ 0.3	3.8/15.7	33719
2002 PA_{33}	2002 08 17.7	21 47.91	−08 17.8	18.1	−0.91	− 1.4	2.0/19.0	33726
1998 VW_{16}	2002 08 17.7	21 47.92	−08 46.3	19.5	−0.84	− 5.9	1.6/19.1	33787
1998 RB_{28}	2002 08 17.8	21 47.93	−20 03.4	18.2	−1.09	+ 0.4	2.5/16.3	33774
1992 YB_{4}	2002 08 17.8	21 47.96	−16 45.6	18.6	−1.04	− 4.3	1.4/16.9	33753
2001 CC_{5}	2002 08 17.8	21 48.07	−24 04.9	19.5	−1.08	− 0.2	3.9/15.4	33894
2001 DV_{93}	2002 08 17.8	21 48.09	−06 29.0	18.2	−0.98	− 5.4	2.9/19.8	33377
2001 FY_{140}	2002 08 17.8	21 48.10	−24 08.5	20.7	−1.07	− 3.8	4.2/14.9	17590
2001 KS_{65}	2002 08 17.8	21 48.12	−14 00.4	18.0	−0.78	− 8.4	0.2/17.6	33912
1999 VB_{50}	2002 08 17.8	21 48.18	−26 11.2	17.5	−1.07	− 3.7	5.2/14.4	33837
2000 EC_{137}	2002 08 17.8	21 48.20	−16 07.9	20.3	−0.74	− 4.1	0.7/17.0	19553
2001 FX_{162}	2002 08 17.9	21 48.34	−07 44.0	18.8	−0.93	− 8.1	2.3/19.6	33907
2000 DA_{64}	2002 08 17.9	21 48.42	−01 17.7	17.6	−0.75	− 9.1	4.3/22.0	33215
1981 EJ_{2}	2002 08 17.9	21 48.42	+03 28.4	17.5	−0.80	− 2.4	6.6/22.6	33750
1999 TQ_{166}	2002 08 17.9	21 48.42	−08 56.5	17.3	−1.05	− 2.4	1.8/19.0	33831
2001 FG_{127}	2002 08 17.9	21 48.43	−04 05.9	19.8	−0.81	− 8.3	2.9/20.9	13842
2001 HY_{46}	2002 08 17.9	21 48.45	−03 06.4	19.4	−0.78	− 5.5	3.3/21.0	31947
2000 AN_{237}	2002 08 17.9	21 48.45	−17 40.4	19.1	−0.81	− 6.7	1.3/16.6	31895
2001 EA_{22}	2002 08 17.9	21 48.45	−04 42.4	19.2	−0.97	− 4.8	3.4/20.3	27766
2000 CD_{52}	2002 08 17.9	21 48.51	−12 14.3	19.1	−0.72	− 4.1	0.3/18.3	6268
2002 LK_{5}	2002 08 17.9	21 48.52	−00 47.6	17.0	−0.48	−10.5	6.1/22.9	33596
1999 VS_{11}	2002 08 17.9	21 48.54	−23 28.1	19.8	−1.03	− 5.0	3.7/15.1	*40390*
3039 T-2	2002 08 17.9	21 48.55	−12 23.8	18.7	−0.79	− 7.3	0.4/18.2	34058
1999 TT_{145}	2002 08 17.9	21 48.57	−22 40.2	18.3	−1.08	− 2.6	4.4/15.6	10911
1995 SV_{26}	2002 08 17.9	21 48.60	−09 56.6	18.3	−0.85	− 5.9	1.6/19.0	33757
1998 SZ_{74}	2002 08 17.9	21 48.63	−16 06.2	17.8	−0.77	− 6.2	1.3/17.1	33779
2001 HM_{1}	2002 08 17.9	21 48.63	−04 46.6	19.1	−0.89	− 6.1	3.1/20.5	15097
1995 QA_{4}	2002 08 17.9	21 48.68	−16 02.9	17.8	−1.11	− 0.8	1.3/18.0	33003
2000 WP_{150}	2002 08 17.9	21 48.78	−67 37.5	19.5	−2.32	+ 4.4	25.8/30.7	19907
1998 HA_{142}	2002 08 18.0	21 48.66	−05 31.6	18.0	−0.76	− 9.5	3.8/20.6	33768
2000 FD_{67}	2002 08 18.0	21 48.68	−11 50.4	20.0	−0.80	− 4.9	0.4/18.4	11780
2001 DA_{99}	2002 08 18.0	21 48.77	−10 50.2	20.0	−1.02	− 1.4	0.8/18.6	12305
2001 EK_{18}	2002 08 18.0	21 48.79	−05 37.9	19.0	−0.96	− 4.6	2.8/20.1	33382
2001 KU_{21}	2002 08 18.0	21 48.79	−29 10.4	18.3	−0.82	− 3.7	5.1/13.3	14297
2001 FR_{67}	2002 08 18.0	21 48.79	−06 42.9	20.7	−0.79	− 7.6	2.1/20.1	13313
1999 TG_{165}	2002 08 18.0	21 48.87	−08 40.0	19.1	−1.02	− 4.2	1.8/19.2	33106
1999 VQ_{188}	2002 08 18.0	21 48.89	−10 45.1	20.0	−0.95	− 6.5	1.0/18.8	13008
1192 T-1	2002 08 18.0	21 48.93	−28 00.2	20.5	−1.06	− 1.2	4.9/14.5	13516
2000 CL_{90}	2002 08 18.0	21 48.97	−13 55.5	17.7	−0.79	− 9.5	0.3/17.8	33207
1999 VY_{30}	2002 08 18.0	21 48.99	−23 16.6	19.5	−1.04	− 5.1	3.7/15.2	2157
1998 MM_{5}	2002 08 18.0	21 49.01	−16 20.8	18.0	−0.93	− 1.3	1.5/17.3	33023
1999 XP_{54}	2002 08 18.0	21 49.05	−19 04.1	19.9	−0.98	− 6.0	2.2/16.4	14160
1999 TF_{161}	2002 08 18.0	21 49.06	−14 04.9	18.6	−0.98	− 1.8	0.5/17.9	33106
1999 TP_{51}	2002 08 18.1	21 49.09	−15 26.3	19.2	−1.04	− 3.3	0.9/17.5	12166
2000 DA_{12}	2002 08 18.1	21 49.17	−09 05.6	17.9	−0.72	− 5.5	1.4/19.4	33210
2001 HX_{63}	2002 08 18.1	21 49.26	−23 03.0	19.0	−0.91	− 4.1	3.5/15.4	33910

2000 DO_{85}	2002 08 18.1	21 49.30	−23 41.6	18.5	−1.03	− 2.6	3.9/15.4	33866
2000 AB_{136}	2002 08 18.1	21 49.34	−25 58.7	17.9	−0.82	− 7.0	4.3/14.1	33857
2000 AQ_{102}	2002 08 18.1	21 49.36	−17 40.6	17.9	−0.89	− 9.5	2.0/16.7	33856
2002 PR_{10}	2002 08 18.1	21 49.36	−07 16.6	17.9	−0.72	−11.3	2.3/20.3	33718
2001 FQ_{156}	2002 08 18.2	21 49.40	−20 29.6	19.3	−0.93	− 7.5	2.7/16.0	33906
2001 EN_{24}	2002 08 18.2	21 49.45	−05 31.6	18.7	−0.81	− 9.3	2.6/20.8	33900
2001 BV_{27}	2002 08 18.2	21 49.46	−05 51.9	17.4	−1.03	− 2.3	3.1/20.0	33892
1998 RH_{79}	2002 08 18.2	21 49.50	−36 38.0	19.8	−1.12	− 2.0	7.5/11.5	31828
1998 FB_{41}	2002 08 18.2	21 49.53	−07 45.6	17.5	−0.91	− 8.6	2.5/20.0	33018
1996 TG_{41}	2002 08 18.2	21 49.60	−18 37.4	18.7	−1.05	− 5.0	2.6/16.8	33759
2001 FH_{28}	2002 08 18.2	21 49.62	−17 27.6	20.1	−0.97	− 5.5	1.6/17.0	13827
1977 RM	2002 08 18.2	21 49.63	−41 50.8	18.1	−0.97	− 9.7	10.2/07.1	14342
2002 NX_{15}	2002 08 18.2	21 49.64	−22 36.7	17.5	−0.71	−10.2	4.1/14.9	33655
1999 XS_{43}	2002 08 18.2	21 49.68	−04 01.1	19.0	−0.88	− 4.0	2.9/20.8	33844
1993 FK_4	2002 08 18.2	21 49.74	−07 48.1	19.4	−0.86	− 7.0	1.8/19.9	33753
2000 YC_5	2002 08 18.2	21 49.84	+03 01.7	17.7	−1.41	+ 5.3	8.4/20.9	33334
2001 DG_{33}	2002 08 18.3	21 49.76	−18 41.5	19.7	−0.98	− 5.5	1.9/16.7	13814
2000 DH_{12}	2002 08 18.3	21 49.81	−05 46.9	17.7	−0.71	− 6.2	2.2/20.6	33864
2000 AU_{33}	2002 08 18.3	21 49.98	−27 25.5	19.8	−0.82	− 7.2	4.3/13.7	14178
1999 XY_{13}	2002 08 18.3	21 50.03	−12 41.4	18.1	−0.87	− 7.8	0.1/18.5	33843
2001 KO_{22}	2002 08 18.3	21 50.03	+06 18.7	18.8	−0.81	− 3.6	6.0/24.1	33911
2001 FT_{63}	2002 08 18.3	21 50.04	−11 52.3	19.4	−0.97	− 7.1	0.5/18.7	33391
1995 FU_4	2002 08 18.3	21 50.09	−08 36.7	18.5	−0.73	− 7.1	1.4/19.8	33757
1999 TQ_{270}	2002 08 18.3	21 50.11	−12 58.5	19.3	−1.10	− 1.8	0.1/18.4	33116
2000 AO_{196}	2002 08 18.3	21 50.12	−01 26.3	19.4	−0.89	− 4.4	4.1/21.6	*38704*
2001 BW_1	2002 08 18.3	21 50.18	+12 22.7	19.2	−1.02	− 0.5	7.3/25.2	12272
2001 FL_{134}	2002 08 18.4	21 50.14	−44 47.0	19.0	−1.33	+ 1.5	11.1/10.5	30454
1999 VZ_{68}	2002 08 18.4	21 50.14	−02 52.5	18.9	−0.86	− 5.0	5.0/21.4	33134
1997 AG_{13}	2002 08 18.4	21 50.18	−23 51.3	18.4	−1.00	− 5.3	3.9/15.3	33760
2000 CP_{116}	2002 08 18.4	21 50.25	−24 44.0	18.1	−0.82	− 8.7	4.2/14.5	33864
1994 WL_4	2002 08 18.4	21 50.33	−06 16.6	18.6	−0.78	− 7.1	2.6/20.6	33001
2002 OB_2	2002 08 18.4	21 50.34	−04 28.6	18.0	−0.94	−22.7	3.8/21.9	33696
1999 VB_{49}	2002 08 18.4	21 50.39	−24 39.0	18.0	−1.07	− 1.2	5.6/15.6	33837
2002 OS_{23}	2002 08 18.4	21 50.47	−05 47.7	17.7	−1.08	+ 3.4	3.3/19.8	33714
1999 VJ_{192}	2002 08 18.4	21 50.50	−15 13.0	19.9	−1.05	− 3.1	0.8/17.9	17086
2001 CH_{28}	2002 08 18.4	21 50.53	−22 14.1	18.6	−1.00	− 4.4	3.8/16.0	33367
1999 UT_{46}	2002 08 18.5	21 50.49	−28 13.8	16.8	−1.06	− 1.2	6.9/14.8	15051
1999 TY_{124}	2002 08 18.5	21 50.51	−15 42.4	18.6	−1.07	− 3.5	1.1/17.8	33830
2001 FU_{143}	2002 08 18.5	21 50.72	−27 11.2	20.0	−0.88	− 3.8	4.4/14.5	16094
1995 UT_{42}	2002 08 18.5	21 50.75	−13 13.8	19.3	−0.97	− 4.7	0.1/18.5	33758
2002 OP_{18}	2002 08 18.5	21 50.75	−06 50.7	17.9	−0.67	−11.7	2.6/20.8	33709
1998 RK_{60}	2002 08 18.5	21 50.76	−21 11.3	18.3	−1.02	− 0.6	2.9/16.6	33039
2001 HA_{44}	2002 08 18.5	21 50.78	−03 26.7	19.3	−0.91	− 6.4	3.9/21.4	33909
2001 FV_4	2002 08 18.5	21 50.80	−31 57.7	17.8	−0.94	− 1.0	7.9/13.4	20837
2001 FR_{107}	2002 08 18.5	21 50.81	−15 12.2	21.1	−1.08	− 2.9	0.8/18.0	18314
1999 TM_{219}	2002 08 18.5	21 50.82	−17 36.8	19.4	−1.12	− 2.0	1.9/17.5	33832
1999 VX_{129}	2002 08 18.5	21 50.83	−16 29.0	19.8	−1.01	− 3.9	1.4/17.7	17079
1998 SN_{68}	2002 08 18.6	21 50.87	−01 36.9	18.3	−0.94	− 2.4	4.4/21.5	33046
1999 XN_{227}	2002 08 18.6	21 50.94	−17 58.4	17.3	−0.76	− 7.5	2.5/17.0	33173
2001 HP_{45}	2002 08 18.6	21 50.96	−25 58.1	18.8	−0.86	− 6.0	4.3/14.6	13856
2001 FA_{114}	2002 08 18.6	21 51.02	−09 05.6	18.8	−0.83	− 6.3	1.6/19.8	33398
2000 AJ_{30}	2002 08 18.6	21 51.03	−07 13.3	19.0	−0.88	− 2.5	1.9/20.2	33178
2000 GW_{113}	2002 08 18.6	21 51.03	−29 13.1	18.9	−0.89	− 1.2	4.4/14.3	19624
2000 DO_{32}	2002 08 18.6	21 51.03	−10 02.5	19.0	−0.73	− 7.0	0.9/19.6	33865
4245 P-L	2002 08 18.6	21 51.05	−15 04.4	18.7	−0.80	− 1.2	1.1/18.1	10814
2001 FB_{64}	2002 08 18.6	21 51.07	−21 01.5	20.9	−0.98	− 4.4	2.9/16.4	12034
1997 GN_{23}	2002 08 18.6	21 51.12	−22 21.8	18.7	−0.97	− 3.5	3.1/16.1	33761
1993 FL_{10}	2002 08 18.6	21 51.17	−02 40.2	18.8	−0.81	− 9.3	3.7/22.1	33754
2000 XC_{15}	2002 08 18.6	21 51.20	−46 13.4	19.1	−1.25	− 4.2	10.5/08.6	13799
1998 QY_{46}	2002 08 18.6	21 51.21	−17 56.3	18.1	−0.89	− 1.2	2.4/17.4	33028
1999 XZ_{27}	2002 08 18.6	21 51.21	−15 56.8	19.0	−0.96	− 4.4	1.0/17.9	33843
1998 XZ_{81}	2002 08 18.6	21 51.23	−02 54.0	18.0	−0.71	− 5.7	2.8/21.9	33791
2001 FF_{35}	2002 08 18.6	21 51.24	−17 33.4	19.5	−0.97	− 2.9	1.6/17.5	33902
2000 DA_{50}	2002 08 18.6	21 51.26	−12 58.3	19.1	−0.82	− 3.7	0.0/18.7	33866
1998 WK_{26}	2002 08 18.6	21 51.30	−14 00.6	19.7	−0.82	− 3.8	0.3/18.4	6819
2001 EK_{17}	2002 08 18.7	21 51.35	−23 06.8	18.2	−0.78	− 9.4	3.0/15.3	33900
2000 AH_{42}	2002 08 18.7	21 51.37	−11 00.6	19.3	−0.89	− 4.4	0.7/19.3	33853
2001 EB_{11}	2002 08 18.7	21 51.40	−06 09.8	19.7	−0.78	− 8.8	2.2/21.0	13820
2001 EJ_{12}	2002 08 18.7	21 51.40	−03 37.6	17.4	−0.73	−10.3	3.4/22.1	33900
1998 TG_{12}	2002 08 18.7	21 51.44	−06 23.1	18.8	−0.82	− 5.1	2.4/20.7	33055
1998 SB_{163}	2002 08 18.7	21 51.51	−31 45.0	17.7	−0.40	+ 9.5	12.3/15.5	31246
2001 FF_{99}	2002 08 18.7	21 51.56	−13 01.2	19.6	−0.85	− 5.6	0.0/18.8	33905
2000 AX_{47}	2002 08 18.7	21 51.60	−20 34.7	18.3	−0.82	− 8.2	2.4/16.3	*39569*
1999 VJ_{43}	2002 08 18.8	21 51.62	−21 55.3	19.1	−1.07	− 3.8	3.4/16.4	33837
2001 FR_{77}	2002 08 18.8	21 51.65	−05 59.0	19.5	−0.88	− 7.4	2.5/21.0	14423
2001 LL_{15}	2002 08 18.8	21 51.67	−27 33.5	19.2	−0.79	− 6.0	4.4/14.1	20842
2001 FK_{25}	2002 08 18.8	21 51.69	−39 37.7	19.6	−1.30	+ 4.1	9.1/13.9	14421
2000 AH_{19}	2002 08 18.8	21 51.77	−16 22.3	19.0	−0.89	− 3.7	1.1/17.9	15055
2001 FK_{120}	2002 08 18.8	21 51.81	−28 09.4	20.2	−1.05	− 0.7	5.3/15.2	20838
1999 XK_{168}	2002 08 18.8	21 51.84	−26 34.8	17.7	−1.07	− 3.1	6.1/15.2	33849
1998 YA_{15}	2002 08 18.8	21 51.89	−26 16.0	17.8	−0.81	− 5.6	4.4/14.7	33792
2000 ET_{173}	2002 08 18.8	21 51.94	−34 54.7	19.8	−0.82	− 4.6	5.5/11.8	18245
1997 FD_5	2002 08 18.8	21 52.02	−03 00.1	19.5	−0.87	− 6.8	3.2/21.9	33761
1999 UZ_9	2002 08 18.8	21 52.05	−45 36.7	17.3	−1.96	+13.8	16.8/16.7	23509
1995 WM_{17}	2002 08 18.9	21 51.98	−16 03.9	18.3	−0.97	− 3.6	1.5/18.1	33758
1997 NH_2	2002 08 18.9	21 52.04	−01 31.6	19.8	−0.72	− 7.9	4.0/22.7	33013
2000 DY_{53}	2002 08 18.9	21 52.10	−13 11.5	18.0	−0.86	− 2.4	0.1/18.9	33866
2001 HP_{41}	2002 08 18.9	21 52.11	+22 09.8	20.2	−0.79	− 5.2	10.0/31.9	13465
1999 TN_{122}	2002 08 18.9	21 52.19	−15 31.4	18.5	−0.97	− 6.3	1.0/18.2	13612
2001 HV_9	2002 08 18.9	21 52.22	−35 59.4	19.1	−1.01	− 4.4	7.4/11.9	14429
1998 QV_{86}	2002 08 18.9	21 52.25	+09 39.5	18.9	−0.83	− 4.5	7.3/25.9	33773
6616 P-L	2002 08 18.9	21 52.27	−11 28.5	18.2	−0.82	− 5.0	0.5/19.4	34057
2001 AR_{48}	2002 08 18.9	21 52.31	−02 31.0	17.4	−1.58	+ 7.5	5.4/20.2	33355
1998 SS_{63}	2002 08 18.9	21 52.33	−19 32.8	17.3	−1.04	− 1.1	2.7/17.4	33779
2001 BZ_{60}	2002 08 18.9	21 52.36	+23 52.7	18.5	−1.26	+ 0.8	15.8/28.9	33361
2001 KQ_{41}	2002 08 18.9	21 52.41	+02 33.1	19.7	−0.78	− 5.5	5.0/23.9	33418
1999 XB_{210}	2002 08 19.0	21 52.34	−19 41.7	18.0	−1.14	− 1.0	3.0/17.4	33850
2000 AD_{143}	2002 08 19.0	21 52.36	−04 43.6	19.3	−0.79	− 3.3	2.2/21.3	33857
2001 HY_{35}	2002 08 19.0	21 52.45	+00 10.9	17.4	−0.73	− 4.8	4.5/23.1	33909
2000 EQ_{75}	2002 08 19.0	21 52.46	−17 57.0	19.7	−0.77	− 4.4	1.4/17.5	5721
2001 FN_{65}	2002 08 19.0	21 52.47	−19 59.6	18.6	−0.87	− 4.8	2.6/17.0	33391
2001 HV_{40}	2002 08 19.0	21 52.52	−46 03.7	18.3	−1.05	− 6.0	11.1/06.8	14433

1998 SQ_{107}	2002 08 19.0	21 52.53	−25 38.6	17.5	−1.03	+	0.1	5.3/16.1	13580
2001 FX_{177}	2002 08 19.0	21 52.66	−36 50.8	18.6	−0.99	−	4.5	8.5/11.7	23619
1998 QF_{100}	2002 08 19.0	21 52.77	−09 55.2	18.0	−0.81	−	8.4	1.0/20.0	33773
1999 XH_{130}	2002 08 19.0	21 52.80	−21 21.3	18.8	−1.04	−	3.3	3.7/16.8	33848
1999 RF_{241}	2002 08 19.0	21 52.83	−47 36.6	19.1	−1.26	−	5.3	10.4/07.0	14375
1999 UE_5	2002 08 19.1	21 52.72	−30 16.6	18.7	−1.43	+	1.2	6.5/15.4	*40384*
2001 EC_6	2002 08 19.1	21 52.72	−17 35.7	19.2	−0.96	−	6.3	1.7/17.7	13819
2001 EG_{20}	2002 08 19.1	21 52.72	−10 36.4	19.6	−0.93	−	5.6	0.9/19.8	11952
2001 FA_{52}	2002 08 19.1	21 52.76	−03 21.4	20.5	−0.94	−	5.3	3.4/21.8	13304
1999 XY_{37}	2002 08 19.1	21 52.77	−25 42.5	17.6	−0.96	−	6.1	5.5/15.2	33844
1999 VL_{189}	2002 08 19.1	21 52.79	−04 38.1	17.3	−0.84	−	5.9	4.0/21.6	33144
2000 AS_{68}	2002 08 19.1	21 52.92	−19 38.5	18.0	−0.96	−	7.7	2.7/17.0	2713
2002 OC_2	2002 08 19.1	21 52.92	+06 13.0	16.9	−0.97	+	1.2	8.2/23.6	33696
2000 DH_{53}	2002 08 19.1	21 53.12	−13 05.2	17.3	−0.84	−	1.9	0.1/19.1	33866
1994 RB_{13}	2002 08 19.1	21 53.16	−09 30.3	18.7	−0.85	−	6.2	1.4/20.2	33000
2001 DH_{46}	2002 08 19.1	21 53.17	−10 05.5	18.2	−0.91	−	5.8	1.2/20.0	33898
2000 CC_{39}	2002 08 19.2	21 53.25	−19 58.2	19.7	−0.94	−	4.2	2.2/17.2	*39592*
2001 FD_{76}	2002 08 19.2	21 53.28	−16 19.8	19.5	−0.92	−	5.6	1.2/18.2	13836
2001 FO_{63}	2002 08 19.2	21 53.31	−19 15.0	17.4	−0.90	−	4.6	2.9/17.4	33903
1999 XH_{34}	2002 08 19.2	21 53.33	−16 44.9	19.1	−0.82	−	5.7	1.1/18.1	*40409*
1998 RB_{64}	2002 08 19.2	21 53.48	−27 20.5	18.6	−0.99	−	1.9	4.6/15.4	33776
1998 RW_{45}	2002 08 19.2	21 53.50	−09 03.1	17.7	−0.85	−	4.9	1.5/20.4	33775
1998 YF_8	2002 08 19.2	21 53.51	−05 52.3	17.8	−0.72	−	3.9	1.9/21.3	33791
1999 XH_{119}	2002 08 19.2	21 53.54	−20 02.2	19.7	−1.03	−	4.0	2.7/17.3	33847
1997 TL_{25}	2002 08 19.3	21 53.55	+08 14.2	18.4	−0.68	−	7.1	5.7/26.7	33763
2001 FW_{25}	2002 08 19.3	21 53.64	+01 37.8	19.3	−0.80	−	6.9	4.5/24.1	33386
1999 VZ_{63}	2002 08 19.3	21 53.65	−28 04.4	18.6	−0.98	−	3.2	7.5/15.1	33838
2001 DK_{105}	2002 08 19.3	21 53.66	−07 37.4	19.3	−1.02	−	4.8	2.0/20.8	13266
2001 HW_{44}	2002 08 19.3	21 53.78	−36 30.0	18.1	−1.04	+	0.8	9.5/13.2	17604
2000 DK_{59}	2002 08 19.3	21 53.86	−17 28.0	18.3	−0.99	−	1.0	1.6/18.2	33215
2000 AJ_{218}	2002 08 19.4	21 53.84	−11 54.9	19.0	−0.87	−	3.7	0.3/19.6	33859
1998 XC_{18}	2002 08 19.4	21 53.91	−10 42.6	19.4	−0.79	−	4.3	0.7/20.0	33790
2001 KU_7	2002 08 19.4	21 53.99	−29 20.0	19.2	−0.84	−	4.2	5.1/14.4	23619
2002 NF_{25}	2002 08 19.4	21 54.00	−02 54.6	17.9	−0.83	−	1.5	3.4/22.0	33667
3284 T-2	2002 08 19.4	21 54.02	−14 23.4	18.5	−0.93	−	7.0	0.6/19.0	34058
2001 BG_{51}	2002 08 19.4	21 54.03	−13 20.8	17.0	−0.92	−14.9		0.2/19.2	33360
1999 VJ_{67}	2002 08 19.4	21 54.08	−09 38.6	20.1	−0.95	−	5.3	1.2/20.3	12991
1999 CR_{119}	2002 08 19.4	21 54.11	−31 06.0	19.0	−0.93	−	2.2	5.1/14.2	9094
1998 YL_9	2002 08 19.4	21 54.24	+01 41.0	18.5	−0.76	−	2.6	4.1/23.6	33791
1995 DM_9	2002 08 19.4	21 54.27	−15 51.8	18.0	−0.76	−	4.3	1.2/18.6	*32944*
2000 AR_{104}	2002 08 19.5	21 54.21	−15 56.6	18.5	−0.93	−	6.9	1.2/18.5	2717
2000 AD_{47}	2002 08 19.5	21 54.31	−22 18.7	19.5	−0.83	−	6.6	3.0/16.5	31889
1995 VG_{10}	2002 08 19.5	21 54.36	−11 49.5	19.9	−0.93	−	5.4	0.4/19.8	33758
2001 FK_{136}	2002 08 19.5	21 54.47	−17 22.4	19.7	−0.85	−	8.8	1.5/18.0	13843
2000 AW_{25}	2002 08 19.5	21 54.49	−18 38.2	19.1	−0.96	−	5.5	2.2/17.8	*39339*
2000 DX_{73}	2002 08 19.5	21 54.51	−12 01.9	18.6	−0.74	−	3.9	0.2/19.8	33866
2001 MF_{11}	2002 08 19.5	21 54.52	−07 02.1	19.1	−0.72	−	7.1	1.7/21.4	33422
2000 AM_{136}	2002 08 19.6	21 54.58	−22 51.3	18.8	−0.77	−	6.4	2.9/16.4	33857
2000 YG_{126}	2002 08 19.6	21 54.59	−31 18.5	17.9	−1.12	−	0.7	7.3/15.2	11818
1999 VA_{53}	2002 08 19.6	21 54.59	−10 05.2	17.9	−0.96	−	5.3	1.1/20.3	33838
2001 KC_4	2002 08 19.6	21 54.61	−28 45.7	19.8	−0.81	−	3.9	4.4/14.8	33910
2001 FH_1	2002 08 19.6	21 54.69	−01 08.7	19.8	−0.77	−	8.3	4.0/23.5	33383
1999 XS_{19}	2002 08 19.6	21 54.78	−07 21.7	17.5	−1.00	−	4.5	2.4/21.1	33843
2001 BU_{39}	2002 08 19.6	21 54.82	−16 37.8	20.1	−1.12	−	2.0	1.6/18.7	13244
2000 CP_{54}	2002 08 19.6	21 54.93	−10 45.4	19.3	−0.85	−	4.9	0.6/20.2	31897
2000 DQ_{26}	2002 08 19.6	21 54.96	−12 25.9	18.8	−0.90	−	4.1	0.1/19.8	33865
2000 AR_{51}	2002 08 19.7	21 54.95	−09 37.9	16.8	−1.04	−	2.2	1.3/20.5	33854
2000 AA_{119}	2002 08 19.7	21 55.00	−07 12.9	17.7	−0.81	−	4.7	2.0/21.3	33857
1999 XW_{111}	2002 08 19.7	21 55.02	−19 35.6	19.0	−1.00	−	5.3	2.9/17.7	*37938*
1999 VJ_{119}	2002 08 19.7	21 55.09	−18 42.2	19.5	−1.04	−	3.3	2.3/18.2	33839
2000 EO_{120}	2002 08 19.7	21 55.11	−18 05.8	19.0	−0.81	−	7.0	1.6/18.0	*40490*
2000 CK_{124}	2002 08 19.7	21 55.13	−17 04.2	18.4	−0.87	−	1.6	1.5/18.6	19511
1999 VX_{53}	2002 08 19.7	21 55.16	−21 19.7	18.7	−1.03	−	3.8	3.5/17.4	33838
1998 QQ_{100}	2002 08 19.7	21 55.21	−18 20.2	18.8	−0.91	−	4.0	2.1/18.2	12881
2001 FC_{60}	2002 08 19.7	21 55.24	−22 44.8	19.2	−1.01	−	2.9	3.9/17.1	33903
2000 DD_{52}	2002 08 19.7	21 55.35	−08 08.9	18.1	−0.69	−	8.4	1.3/21.3	33214
2001 BX_{65}	2002 08 19.8	21 55.33	−14 16.8	19.5	−0.91	−	7.3	0.6/19.3	12280
1999 TB_7	2002 08 19.8	21 55.35	−20 10.9	18.5	−1.04	−	4.7	2.9/17.7	20742
2001 FL_{26}	2002 08 19.8	21 55.51	−09 00.8	18.8	−0.87	−	3.5	1.2/20.8	15096
1998 HY_{51}	2002 08 19.8	21 55.54	−24 21.7	17.8	−0.90	−	3.3	6.0/16.6	33767
2000 DK_{93}	2002 08 19.8	21 55.59	−16 17.2	19.1	−0.86	−	4.4	1.3/18.8	19527
2002 OE_7	2002 08 19.8	21 55.61	+02 50.7	18.9	−0.82	−	2.5	4.9/24.4	33700
2000 WU_{88}	2002 08 19.8	21 55.65	−24 04.7	18.7	−1.13	−	3.6	5.0/16.9	33887
1991 TU_5	2002 08 19.8	21 55.70	−14 28.4	19.1	−0.97	−	3.8	0.7/19.4	13535
2000 DD_{44}	2002 08 19.8	21 55.70	−12 18.2	18.7	−0.85	−	5.8	0.1/20.0	33865
2000 DT_9	2002 08 19.8	21 55.73	−12 42.7	18.2	−0.77	−	4.2	0.0/19.9	33864
2001 FY_{80}	2002 08 19.9	21 55.68	−06 31.2	18.3	−1.05	+	0.3	2.4/21.3	33393
2002 LJ_{37}	2002 08 19.9	21 55.73	+00 00.5	16.4	−0.78	−	8.9	6.0/24.3	33619
2000 AZ_{104}	2002 08 19.9	21 55.75	−13 00.9	17.6	−0.88	−	8.0	0.2/19.8	33856
1995 QT_5	2002 08 19.9	21 55.76	−04 42.5	19.8	−0.95	−	5.5	2.6/22.2	16006
1999 VU_{63}	2002 08 19.9	21 55.84	−11 35.4	19.2	−0.96	−	5.1	0.4/20.2	12990
2001 FT_{21}	2002 08 19.9	21 55.90	−38 14.7	17.7	−1.06	−	3.0	10.0/12.0	16092
1999 TY_{211}	2002 08 19.9	21 55.98	−25 58.3	19.5	−1.05	−	2.8	4.6/16.4	33832
2002 PJ_{74}	2002 08 19.9	21 56.02	+01 29.4	18.6	−0.48	−	9.6	6.8/25.5	33732
1999 XH_{78}	2002 08 19.9	21 56.13	−11 05.5	18.9	−0.88	−	4.6	0.5/20.4	33846
1997 GJ	2002 08 20.0	21 56.06	−15 59.4	19.3	−0.92	−	4.6	1.2/19.0	13551
1998 SL_{75}	2002 08 20.0	21 56.06	−18 00.2	16.9	−0.78	−	5.7	2.4/18.3	33779
2001 KP_9	2002 08 20.0	21 56.11	−00 07.0	18.0	−0.72	−	5.0	4.1/23.9	33911
2002 PU_5	2002 08 20.0	21 56.18	+03 50.9	17.3	−1.04	+	6.9	9.2/22.8	33717
2000 AO_{103}	2002 08 20.0	21 56.18	−17 44.7	19.6	−0.91	−	7.4	1.8/18.4	14185
2000 FV_{15}	2002 08 20.0	21 56.21	−13 37.3	18.9	−0.80	−	6.7	0.3/19.7	33871
1998 SR_{33}	2002 08 20.0	21 56.21	−22 23.8	17.6	−1.19		0.0	4.1/17.8	33778
1998 VK_{27}	2002 08 20.0	21 56.30	+02 04.3	18.5	−0.81	−	3.4	5.9/24.3	33058
2000 DF_{82}	2002 08 20.0	21 56.32	−19 21.8	18.4	−0.80	−	3.6	2.0/18.1	33866
1999 XU_{53}	2002 08 20.0	21 56.33	−07 01.8	18.1	−0.85	−	5.6	2.6/21.7	15052
1998 VS_7	2002 08 20.0	21 56.35	−32 40.3	19.2	−1.06	−	2.2	7.4/14.3	6817
2001 FU_{96}	2002 08 20.0	21 56.40	−19 41.1	19.3	−0.92	−	6.6	2.6/17.9	13839
2000 EX_{75}	2002 08 20.0	21 56.40	−26 17.4	16.8	−1.13	+	2.1	5.8/17.1	2408
1999 XH_{31}	2002 08 20.0	21 56.43	−02 17.7	15.9	−0.72	−	1.2	6.0/22.8	33843
2001 HG_{57}	2002 08 20.0	21 56.44	−23 40.8	18.1	−0.83	−	8.2	3.9/16.4	33910
1999 XA_{98}	2002 08 20.0	21 56.49	−17 25.1	18.3	−0.99	−	5.7	1.9/18.7	*38845*
1999 XD_{142}	2002 08 20.1	21 56.43	−39 08.0	19.9	−1.06	−	3.8	7.9/11.8	*39563*

2002 OD_{7}	2002 08 20.1	21 56.51	+02 02.7	17.6	−0.83	− 2.2	5.2/24.1	33700
2001 FU_{100}	2002 08 20.1	21 56.58	−05 28.8	19.0	−0.76	−10.8	2.7/22.6	33396
2000 BH_{1}	2002 08 20.1	21 56.61	−15 54.0	19.3	−0.92	− 7.1	1.5/19.1	2728
2001 NE	2002 08 20.1	21 56.63	−07 42.9	17.3	−0.85	− 1.1	1.6/21.4	33422
2000 AK_{214}	2002 08 20.1	21 56.69	−11 51.1	18.4	−0.84	− 5.3	0.2/20.4	33859
2000 FB_{43}	2002 08 20.1	21 56.74	−24 47.4	18.7	−0.85	− 2.5	3.4/16.7	1264
1999 YE	2002 08 20.1	21 56.87	−49 49.0	18.9	−1.29	− 8.9	13.2/04.7	13086
2000 ED_{198}	2002 08 20.2	21 56.79	+00 16.5	18.4	−0.72	− 4.3	3.7/24.1	33871
1994 PP_{27}	2002 08 20.2	21 56.81	−15 31.2	17.9	−0.87	− 5.4	1.4/19.3	33756
1998 YB	2002 08 20.2	21 56.85	−12 44.9	18.5	−0.72	− 3.9	0.1/20.1	33791
2000 AP_{82}	2002 08 20.2	21 56.90	−13 10.3	18.4	−0.94	− 6.0	0.3/20.0	33183
2000 AS_{135}	2002 08 20.2	21 56.96	−11 05.5	19.9	−0.90	− 3.9	0.5/20.6	*40438*
1999 XJ_{83}	2002 08 20.2	21 57.08	−17 48.9	17.9	−0.98	− 6.2	2.2/18.7	*38841*
2001 BN_{76}	2002 08 20.2	21 57.14	−01 15.0	17.7	−0.99	− 3.2	5.0/23.3	33364
2000 EQ_{17}	2002 08 20.2	21 57.14	−22 07.2	18.5	−0.94	− 6.7	3.4/17.3	716
1998 SQ_{123}	2002 08 20.2	21 57.15	−08 23.3	18.5	−0.80	− 5.9	1.8/21.5	33783
2000 ED_{67}	2002 08 20.2	21 57.20	−01 00.4	18.5	−0.72	− 5.7	3.6/23.9	33868
2000 DB_{18}	2002 08 20.3	21 57.22	−15 57.7	18.5	−0.90	− 0.7	1.0/19.5	*40462*
2001 BQ_{66}	2002 08 20.3	21 57.29	−09 56.8	16.8	−0.73	−12.3	1.0/21.3	33362
2001 BZ_{29}	2002 08 20.3	21 57.30	−21 25.2	17.6	−0.91	−10.3	3.5/17.4	33893
1999 VU_{21}	2002 08 20.3	21 57.33	−24 11.3	17.8	−0.96	− 5.9	4.7/16.8	33836
1999 VL_{81}	2002 08 20.3	21 57.41	+04 37.4	19.7	−0.82	− 5.4	5.1/25.6	17075
2001 KA_{54}	2002 08 20.3	21 57.47	−06 02.0	18.5	−0.72	− 5.0	2.1/22.4	33911
1998 QT_{4}	2002 08 20.3	21 57.51	−03 18.0	17.5	−0.71	−11.1	3.9/23.7	33025
1999 XB_{32}	2002 08 20.3	21 57.51	−07 29.6	18.5	−0.89	− 4.5	1.8/21.8	33844
1999 VB_{183}	2002 08 20.3	21 57.53	−10 13.4	21.0	−0.92	− 4.9	0.7/21.0	33840
2000 DB_{30}	2002 08 20.3	21 57.54	−08 49.8	19.5	−0.91	− 8.8	1.3/21.5	712
2000 BQ_{32}	2002 08 20.3	21 57.56	−12 53.4	19.0	−0.83	− 4.8	0.2/20.3	33861
1999 XA_{33}	2002 08 20.3	21 57.58	−02 55.5	19.3	−0.78	− 2.5	2.5/23.1	6263
2001 AE_{47}	2002 08 20.3	21 57.63	−54 31.3	20.3	−1.34	− 3.3	12.2/06.8	12271
1999 VS_{10}	2002 08 20.4	21 57.53	−21 06.4	16.6	−0.93	− 7.9	3.5/17.6	33836
2000 EF_{83}	2002 08 20.4	21 57.54	−28 20.7	19.2	−0.89	− 3.0	5.0/15.8	17200
1999 VU_{157}	2002 08 20.4	21 57.55	−10 58.5	18.6	−1.00	− 4.8	0.6/20.8	33840
1999 XR_{125}	2002 08 20.4	21 57.55	−06 55.6	18.2	−1.03	− 2.9	2.4/21.8	*38156*
2000 AD_{144}	2002 08 20.4	21 57.63	−11 06.1	18.4	−0.69	− 7.9	0.4/20.9	33857
2001 FD_{12}	2002 08 20.4	21 57.67	+01 20.0	18.9	−0.75	−10.7	5.0/25.4	33901
1999 XF_{156}	2002 08 20.4	21 57.74	−09 02.2	19.6	−0.87	− 5.4	1.1/21.4	13066
2000 CA_{20}	2002 08 20.4	21 57.83	−04 07.9	19.0	−0.83	− 4.3	2.8/22.9	33861
1998 SC_{128}	2002 08 20.4	21 57.84	−21 33.6	18.6	−0.87	− 4.8	3.9/17.7	33783
2001 HH_{60}	2002 08 20.4	21 57.94	−37 57.5	19.1	−0.91	− 7.0	7.5/11.6	14278
1995 VE_{13}	2002 08 20.4	21 57.97	−18 37.0	19.2	−0.92	− 5.9	2.7/18.6	*38452*
1999 VZ_{147}	2002 08 20.5	21 57.99	−07 59.5	18.2	−0.98	− 4.5	2.0/21.7	33839
2002 OY_{14}	2002 08 20.5	21 58.03	+03 23.7	19.1	−0.72	− 5.4	5.8/25.7	33707
2000 GS_{113}	2002 08 20.5	21 58.04	+04 02.2	18.6	−0.73	− 4.8	4.7/25.7	33874
2001 FJ_{50}	2002 08 20.5	21 58.05	−16 58.8	18.9	−0.95	− 3.1	1.6/19.3	33903
2001 FQ_{25}	2002 08 20.5	21 58.05	−08 56.7	18.9	−0.82	− 5.2	1.2/21.6	33902
1995 GF_{8}	2002 08 20.5	21 58.10	−18 03.8	18.7	−0.80	− 3.1	1.6/18.9	161
2000 FN_{44}	2002 08 20.5	21 58.15	−16 52.3	19.3	−0.71	− 4.1	1.1/19.2	18248
2000 DD_{18}	2002 08 20.5	21 58.15	−16 55.9	18.5	−1.00	− 0.6	1.6/19.5	29211
2000 FY_{42}	2002 08 20.5	21 58.16	−16 43.3	18.8	−0.73	− 5.0	1.2/19.2	33872
1999 TE_{49}	2002 08 20.5	21 58.24	−21 03.7	18.7	−1.07	− 4.2	3.6/18.2	33827
2000 CD_{121}	2002 08 20.5	21 58.26	−10 09.7	20.0	−0.79	− 7.0	0.7/21.3	33864
2000 ED_{118}	2002 08 20.5	21 58.28	−27 46.4	18.1	−0.83	−10.0	5.6/15.0	33870
2000 AX_{150}	2002 08 20.5	21 58.30	+01 31.4	20.8	−0.76	− 5.2	4.0/24.9	27658
2001 FF_{136}	2002 08 20.5	21 58.31	−15 00.7	18.3	−0.77	−10.3	1.0/19.7	33906
2001 FN_{80}	2002 08 20.5	21 58.31	−13 31.3	17.4	−0.88	− 1.0	0.4/20.3	33393
1999 XV_{77}	2002 08 20.6	21 58.28	−04 00.9	17.6	−0.89	− 3.8	4.2/22.9	33846
2001 FR_{96}	2002 08 20.6	21 58.29	−30 40.7	18.4	−0.97	− 2.6	6.7/15.5	30454
1998 UA_{19}	2002 08 20.6	21 58.30	−19 13.0	19.1	−0.89	− 3.3	2.3/18.7	33786
2000 BE_{35}	2002 08 20.6	21 58.34	−18 18.7	20.1	−0.96	− 6.7	2.2/18.8	18229
2000 AQ_{69}	2002 08 20.6	21 58.38	−29 16.8	17.7	−0.90	− 6.5	5.4/15.2	33854
1999 WM_{14}	2002 08 20.6	21 58.44	−17 29.5	20.6	−0.89	− 4.9	1.5/19.1	686
2000 DJ_{88}	2002 08 20.6	21 58.44	−15 12.5	19.2	−0.76	− 4.1	0.8/19.8	3522
2000 BV_{51}	2002 08 20.6	21 58.45	−16 04.0	18.8	−0.88	− 5.8	1.4/19.5	33861
2001 FK_{105}	2002 08 20.6	21 58.47	−11 44.5	17.0	−0.82	− 5.7	0.3/20.8	33905
1999 XG_{171}	2002 08 20.6	21 58.53	−18 53.8	19.1	−1.00	− 5.3	2.8/18.8	16044
2000 EE_{40}	2002 08 20.6	21 58.54	−15 26.7	18.5	−0.78	− 3.1	0.9/19.8	33868
2001 FL_{82}	2002 08 20.6	21 58.55	−07 07.4	19.5	−0.96	− 4.0	1.9/22.1	33904
2001 BR_{69}	2002 08 20.6	21 58.58	−19 06.2	19.2	−1.00	− 5.4	2.6/18.7	13808
1999 XV_{48}	2002 08 20.6	21 58.63	−06 16.3	18.8	−0.94	− 4.3	2.3/22.4	33844
2001 HP_{18}	2002 08 20.6	21 58.66	−23 06.3	19.6	−0.85	− 7.4	3.2/17.2	14430
2000 DH_{34}	2002 08 20.6	21 58.66	−11 17.2	19.8	−0.82	− 4.2	0.4/21.0	33865
2002 OS_{18}	2002 08 20.7	21 58.74	+02 32.8	18.4	−0.91	− 1.7	5.4/24.6	33710
1998 RV_{29}	2002 08 20.7	21 58.76	−21 13.7	17.9	−1.00	− 1.7	3.6/18.4	33035
2001 LM_{19}	2002 08 20.7	21 58.88	−26 49.4	19.2	−0.79	− 5.6	4.4/16.1	17626
2000 EU_{170}	2002 08 20.7	21 58.89	−28 36.1	19.3	−0.78	− 2.9	3.9/15.9	737
1998 YT_{5}	2002 08 20.7	21 58.98	−15 18.2	19.4	−0.75	− 3.9	0.8/19.9	633
1999 XN_{96}	2002 08 20.7	21 59.01	−08 02.4	17.4	−0.98	− 4.4	1.8/21.9	33846
2000 DD_{74}	2002 08 20.7	21 59.01	−11 06.5	19.0	−0.77	− 4.0	0.4/21.1	33216
2000 AT_{105}	2002 08 20.7	21 59.01	+05 41.6	18.7	−0.82	− 4.0	5.4/26.2	33856
1998 HY_{5}	2002 08 20.7	21 59.02	−08 14.9	18.0	−0.90	− 8.8	1.8/22.1	33766
2000 AU_{154}	2002 08 20.7	21 59.06	−03 23.2	18.4	−0.96	− 3.5	3.4/23.2	14191
1998 SG_{152}	2002 08 20.8	21 59.03	−10 54.5	18.8	−0.83	− 5.6	0.5/21.2	33784
2000 CY_{84}	2002 08 20.8	21 59.12	−17 37.9	19.0	−0.82	− 2.1	1.4/19.4	31898
1999 TK_{125}	2002 08 20.8	21 59.12	−15 29.7	17.2	−1.05	− 0.7	1.7/20.1	33830
1998 JW_{2}	2002 08 20.8	21 59.12	−17 29.0	17.6	−0.92	− 8.0	2.2/19.2	33768
1999 XN_{180}	2002 08 20.8	21 59.15	−28 05.4	19.7	−0.94	− 3.9	4.8/16.2	29201
2001 EX_{17}	2002 08 20.8	21 59.26	−10 52.0	20.1	−0.95	− 6.1	0.5/21.3	13821
2000 AA_{203}	2002 08 20.8	21 59.30	+08 29.7	17.5	−0.89	+ 0.5	6.4/26.2	33859
2000 AA_{123}	2002 08 20.8	21 59.30	+04 01.0	17.6	−0.86	− 2.6	5.9/25.5	33188
2002 KA_{14}	2002 08 20.8	21 59.33	+01 04.8	17.6	−0.66	− 6.5	5.0/25.4	33593
2002 PK_{82}	2002 08 20.8	21 59.35	−09 20.2	18.0	−1.01	− 1.7	1.4/21.6	33733
2000 YF_{136}	2002 08 20.8	21 59.38	−24 06.9	19.6	−1.00	− 7.4	4.6/17.3	33891
2001 GU_{1}	2002 08 20.8	21 59.40	−10 17.5	21.6	−0.93	− 5.6	0.7/21.5	13390
1999 XJ_{87}	2002 08 20.8	21 59.45	−16 17.9	18.3	−0.95	− 6.7	1.7/19.7	33159
2000 AU_{97}	2002 08 20.8	21 59.46	−16 39.9	18.8	−0.91	− 1.9	1.3/19.7	*40435*
1999 VP_{67}	2002 08 20.9	21 59.40	−29 35.5	19.6	−0.99	− 4.1	5.6/15.9	13622
2000 DP_{96}	2002 08 20.9	21 59.42	−14 59.5	18.2	−0.76	− 5.0	0.9/20.1	14400
2001 EL	2002 08 20.9	21 59.44	−21 56.1	18.6	−0.93	− 3.3	3.6/18.3	33899
1998 HY_{23}	2002 08 20.9	21 59.45	−07 40.6	18.7	−0.98	− 5.2	2.1/22.2	33766
2002 OL_{21}	2002 08 20.9	21 59.54	−09 36.0	18.0	−1.11	+ 1.0	1.1/21.5	33712
2000 HR_{77}	2002 08 20.9	21 59.56	+08 12.6	21.0	−0.70	− 3.6	4.9/27.4	7031

2001 ES_{19}	2002 08 20.9	21 59.58	+10 23.3	17.1	−0.97	−	2.2	9.1/27.7	33900
2001 FW_{92}	2002 08 20.9	21 59.59	−17 38.1	18.8	−0.95	−	7.1	2.0/19.3	33905
2000 AC_{198}	2002 08 20.9	21 59.64	+04 01.9	18.4	−0.88	−	4.0	5.9/25.6	33193
2000 EE_{8}	2002 08 20.9	21 59.64	−10 21.5	18.7	−0.88	−	4.1	0.7/21.5	2755
2000 AX_{182}	2002 08 20.9	21 59.67	+00 13.4	18.4	−0.85	−	4.7	4.4/24.7	33858
2001 AH_{46}	2002 08 20.9	21 59.68	−36 55.0	17.9	−1.68	+	3.6	11.4/16.4	13805
1998 XA_{40}	2002 08 20.9	21 59.74	−26 13.4	19.5	−0.85	−	2.8	3.9/16.9	2639
1999 TE_{67}	2002 08 20.9	21 59.77	−13 15.2	19.0	−1.02	−	4.2	0.4/20.7	23508
2000 YF_{32}	2002 08 21.0	21 59.87	−23 34.8	17.2	−1.01		−26.3	4.9/16.3	33889
1998 XP_{98}	2002 08 21.0	21 59.92	−10 42.9	19.3	−0.78	−	4.7	0.5/21.5	33791
1999 XN_{60}	2002 08 21.0	21 59.93	−21 44.3	18.3	−0.90	−	5.5	3.4/18.2	33845
2000 AM_{195}	2002 08 21.0	21 59.97	+06 37.4	19.4	−0.88	−	3.3	5.9/26.4	2723
2001 HG_{55}	2002 08 21.0	21 59.99	+01 12.0	16.7	−0.66	−	7.3	4.9/25.7	33910
2001 FU_{86}	2002 08 21.0	22 00.06	−19 29.9	20.3	−0.94	−	6.8	2.5/18.9	13837
2000 DZ_{96}	2002 08 21.0	22 00.10	−09 00.1	19.3	−0.72	−	5.4	0.9/22.1	14400
2001 FY_{76}	2002 08 21.0	22 00.12	−09 27.4	19.0	−0.88	−	7.7	1.0/21.9	13319
1999 TN_{21}	2002 08 21.1	22 00.15	−01 21.2	19.6	−0.92	−	4.8	4.1/24.3	33826
1998 TA_{5}	2002 08 21.1	22 00.16	−01 23.0	19.9	−0.63	−	6.8	5.4/24.8	33054
1999 TR_{56}	2002 08 21.1	22 00.28	−16 11.0	20.4	−0.98	−	4.8	1.4/20.0	12948
2000 CT_{34}	2002 08 21.1	22 00.31	−09 16.0	19.4	−0.72	−	6.2	0.9/22.1	14199
1999 VW_{58}	2002 08 21.1	22 00.32	−14 39.1	18.8	−0.98	−	5.2	0.9/20.4	33838
2000 BZ_{28}	2002 08 21.1	22 00.36	−18 29.9	19.0	−0.86	−	2.7	1.8/19.4	*39587*
2000 FM_{5}	2002 08 21.1	22 00.38	−10 29.0	18.9	−0.81	−	4.3	0.6/21.7	33871
1981 UA	2002 08 21.1	22 00.39	−59 07.8	18.3	−2.25	+	4.2	20.4/03.0	14343
1998 YC_{1}	2002 08 21.1	22 00.41	−07 29.4	18.1	−0.71	−	4.7	1.3/22.6	33791
2000 CL_{125}	2002 08 21.1	22 00.41	−16 49.1	18.2	−0.81	−	4.1	1.6/19.8	33864
2001 GJ_{8}	2002 08 21.1	22 00.44	−26 56.2	19.7	−0.83	−	4.6	4.7/16.7	15097
1999 UD_{30}	2002 08 21.1	22 00.54	−27 08.1	20.8	−1.09	−	3.5	5.3/17.1	12970
2001 GH	2002 08 21.1	22 00.58	−11 39.0	19.5	−0.95	−	4.4	0.2/21.3	33907
1998 RS_{58}	2002 08 21.2	22 00.49	−13 50.5	18.6	−0.91	−	3.9	0.6/20.7	33776
1999 XZ_{154}	2002 08 21.2	22 00.51	+06 32.4	19.5	−0.83	−	4.1	5.5/26.9	14382
2001 BV_{32}	2002 08 21.2	22 00.60	−10 20.8	18.5	−0.95	−	6.0	0.7/21.8	13806
2002 PY_{5}	2002 08 21.2	22 00.61	+04 49.6	19.7	−0.68	−	5.2	5.0/26.9	33717
2000 AC_{47}	2002 08 21.2	22 00.63	+01 51.6	19.5	−0.99	+	0.2	4.4/24.5	*39569*
1999 VA_{79}	2002 08 21.2	22 00.64	−05 41.3	18.3	−0.93	−	5.3	2.3/23.1	33838
2000 AU_{40}	2002 08 21.2	22 00.65	−21 38.8	18.7	−0.90	−	6.3	3.5/18.3	33853
2000 CC_{77}	2002 08 21.2	22 00.66	−07 53.5	18.5	−0.71	−	6.7	1.2/22.6	33863
2001 FN_{99}	2002 08 21.2	22 00.69	−19 22.0	18.3	−0.83	−	8.1	2.5/18.9	14424
2001 DC	2002 08 21.2	22 00.71	−09 20.6	18.5	−1.04	−	4.3	1.2/22.0	33896
1999 VV_{121}	2002 08 21.2	22 00.79	−17 50.6	21.8	−0.96	−	5.4	2.0/19.6	7513
2000 CS_{34}	2002 08 21.2	22 00.83	−13 51.8	18.0	−0.90	−	6.6	0.7/20.8	33862
2002 LA_{6}	2002 08 21.2	22 00.83	−00 26.1	16.7	−0.56	+	6.7	7.6/23.8	34012
2000 BD_{31}	2002 08 21.2	22 00.88	−23 21.2	18.3	−0.87	−	5.3	4.0/17.9	33861
1999 TD_{30}	2002 08 21.3	22 00.88	−12 42.9	18.5	−1.05	−	4.6	0.3/21.2	33096
2000 DY_{100}	2002 08 21.3	22 00.88	−17 24.6	17.4	−0.71	−	8.7	1.8/19.5	33867
2000 AK_{172}	2002 08 21.3	22 00.95	−00 31.8	19.5	−0.90	−	5.7	4.0/24.8	10947
1999 XE_{196}	2002 08 21.3	22 00.98	−18 27.5	16.1	−0.86	+	0.9	3.5/19.8	33850
1999 XD_{48}	2002 08 21.3	22 01.00	−22 06.4	20.2	−1.01	−	6.1	3.6/18.3	7516
1996 YS_{2}	2002 08 21.3	22 01.01	−18 05.1	19.8	−1.01	−	5.3	2.1/19.6	13548
2001 HU_{46}	2002 08 21.3	22 01.02	−13 25.8	18.9	−0.85	−	4.0	0.4/21.0	33909
3176 T-1	2002 08 21.3	22 01.06	−07 17.2	20.0	−0.83	−	5.7	1.6/22.8	13516
1999 XT_{126}	2002 08 21.3	22 01.12	−01 06.9	17.7	−1.01	−	1.8	5.0/24.1	33165
1994 PW_{38}	2002 08 21.3	22 01.17	−11 11.2	18.5	−0.84	−	5.0	0.4/21.6	33756
1994 UX_{3}	2002 08 21.3	22 01.17	−13 32.7	19.6	−0.87	−	4.4	0.6/21.0	9035
1998 FB_{73}	2002 08 21.3	22 01.17	−21 26.9	20.0	−1.10	−	3.8	3.6/18.9	12121
1999 TB_{119}	2002 08 21.3	22 01.18	−23 44.7	18.9	−1.15	−	2.4	4.9/18.4	33829
1998 SX_{76}	2002 08 21.3	22 01.18	−03 21.3	17.5	−0.82	−	2.7	4.3/23.8	33047
2002 PY_{54}	2002 08 21.3	22 01.18	−07 38.6	18.2	−0.86	−	4.3	2.1/22.7	33730
2001 EB_{8}	2002 08 21.3	22 01.19	−13 25.1	20.2	−0.95	−	6.2	0.4/21.0	13820
2001 FW_{46}	2002 08 21.3	22 01.23	−12 01.6	19.1	−0.84	−	3.4	0.0/21.4	13830
2000 AK_{133}	2002 08 21.3	22 01.30	−44 36.2	19.3	−1.30	−	0.1	9.3/12.1	7519
1999 VT_{12}	2002 08 21.4	22 01.24	−24 45.1	17.6	−1.01	−	5.7	5.8/17.5	33836
1999 WE_{7}	2002 08 21.4	22 01.28	−21 36.2	18.6	−1.03	−	5.0	3.8/18.7	33842
1999 VF_{129}	2002 08 21.4	22 01.31	−06 59.4	19.6	−0.95	−	4.6	1.8/23.0	33839
1998 SL_{164}	2002 08 21.4	22 01.35	−23 04.1	17.2	−0.75	−	5.2	5.4/17.8	33054
1998 SA_{75}	2002 08 21.4	22 01.36	−19 31.6	18.7	−0.85	−	5.7	2.8/19.1	30284
2001 FC_{100}	2002 08 21.4	22 01.37	−14 35.1	18.6	−1.01	−	3.3	1.0/20.8	20838
2002 NE_{39}	2002 08 21.4	22 01.39	+13 27.0	16.9	−0.88	+	0.7	8.1/28.2	33681
2000 AP_{168}	2002 08 21.4	22 01.40	−15 54.8	18.9	−0.80	−	7.1	1.4/20.2	33858
2000 EM_{85}	2002 08 21.4	22 01.45	+04 43.9	17.7	−0.90	−	2.8	6.6/26.0	33869
1999 XL_{123}	2002 08 21.4	22 01.46	−13 46.4	17.0	−1.03	−	0.7	0.8/21.1	692
1999 XN_{214}	2002 08 21.4	22 01.51	−16 56.4	19.2	−0.99	−	4.7	1.8/20.1	13639
2000 GG_{160}	2002 08 21.4	22 01.55	−03 52.4	17.5	−0.82	−	2.0	2.6/23.7	33874
2001 FM_{82}	2002 08 21.4	22 01.55	−05 17.1	18.9	−0.94	−	3.9	2.6/23.4	33394
1999 XX_{119}	2002 08 21.4	22 01.59	−19 03.5	18.3	−1.01	−	3.6	3.2/19.6	11714
1999 XQ_{15}	2002 08 21.4	22 01.60	+00 03.5	17.2	−0.87	−	4.8	5.6/25.1	33843
2001 HT_{29}	2002 08 21.4	22 01.64	+04 15.8	18.4	−0.74	−	4.2	5.2/26.6	33411
1999 TH_{1}	2002 08 21.4	22 01.67	−04 35.3	18.9	−0.94	−	6.1	2.9/23.7	33825
1999 XT_{182}	2002 08 21.4	22 01.67	−22 18.0	17.4	−1.12	−	2.2	4.6/18.9	33169
2000 AU_{166}	2002 08 21.5	22 01.62	−10 04.3	19.8	−0.81		−10.2	0.7/22.2	6992
2000 AO_{85}	2002 08 21.5	22 01.66	−09 23.1	18.6	−0.91	−	5.2	1.0/22.3	*40433*
2000 AN_{49}	2002 08 21.5	22 01.74	−27 27.5	18.5	−0.88		−13.9	5.0/15.7	*40430*
1998 SU_{2}	2002 08 21.5	22 01.75	−13 28.5	18.2	−0.87	−	4.0	0.5/21.1	31829
2001 CR_{9}	2002 08 21.5	22 01.75	−37 44.3	17.3	−1.05	−	3.0	8.8/13.7	14418
1999 VJ_{35}	2002 08 21.5	22 01.80	−02 55.6	18.1	−0.94	−	5.5	4.0/24.2	33837
2002 PG_{3}	2002 08 21.5	22 01.88	+07 31.2	18.8	−0.85	−	2.9	6.1/27.2	33715
2002 PP_{81}	2002 08 21.5	22 01.89	−11 11.4	17.3	−0.79	−	6.5	0.4/21.8	33732
2001 FP_{81}	2002 08 21.5	22 01.95	−00 43.8	19.1	−0.97	−	4.0	4.4/24.8	33394
4241 T-3	2002 08 21.5	22 02.00	−19 12.4	19.3	−0.97	−	6.7	2.6/19.4	13877
2001 FQ_{172}	2002 08 21.5	22 02.02	−12 36.8	17.8	−0.69		−10.5	0.2/21.4	33404
1998 SB_{47}	2002 08 21.5	22 02.03	−04 24.5	18.8	−0.79	−	5.7	2.7/24.0	33044
2002 PS_{81}	2002 08 21.5	22 02.05	−08 12.6	17.3	−0.94	+	0.1	1.7/22.5	33733
1994 EF_{7}	2002 08 21.6	22 02.04	−22 24.8	18.5	−1.03	−	4.6	4.0/18.7	33755
2001 KO_{18}	2002 08 21.6	22 02.06	+00 56.1	19.0	−0.72	−	5.8	4.1/25.8	33417
2001 FM_{27}	2002 08 21.6	22 02.09	−02 14.7	18.9	−0.76	−	5.6	3.3/24.8	33387
1992 DE_{8}	2002 08 21.6	22 02.15	−07 15.4	18.5	−0.88	−	4.4	1.7/23.0	33753
1998 SC_{167}	2002 08 21.6	22 02.19	+12 37.0	18.5	−0.75		−10.0	7.7/30.9	33785
1998 RX_{54}	2002 08 21.6	22 02.19	−16 01.3	18.4	−0.99	−	1.0	1.3/20.7	13575
1999 VY_{64}	2002 08 21.6	22 02.20	−23 27.8	19.4	−1.02	−	4.7	4.4/18.4	33838
2000 CK_{100}	2002 08 21.6	22 02.28	−15 51.9	18.7	−0.74	−	7.6	1.2/20.4	33864
1999 RC_{210}	2002 08 21.6	22 02.29	−34 12.7	18.3	−1.39	+	0.9	7.8/16.6	649
2000 DP_{54}	2002 08 21.6	22 02.30	−08 01.4	19.1	−0.70	−	6.9	1.2/23.0	14209

1999 XD_{203}	2002 08 21.6	22 02.34	−06 37.0	18.2	−0.97	− 1.1	1.8/23.0	33850
2001 BO_{66}	2002 08 21.6	22 02.36	−19 02.8	19.3	−0.91	− 5.4	2.3/19.6	13808
2000 GF_{46}	2002 08 21.7	22 02.40	−20 39.4	20.1	−0.79	− 3.5	2.4/19.2	7021
2000 CQ_4	2002 08 21.7	22 02.42	−18 33.5	16.6	−0.77	−10.3	3.2/19.4	33199
2000 DB_{23}	2002 08 21.7	22 02.49	−15 08.0	18.8	−1.10	+ 0.1	1.3/21.0	33865
2000 GR_{10}	2002 08 21.7	22 02.60	+02 33.0	18.2	−0.77	− 7.6	5.0/26.6	33872
1997 MU_8	2002 08 21.7	22 02.62	−06 46.9	19.2	−0.84	− 3.0	1.9/23.2	33013
2001 HH_{50}	2002 08 21.7	22 02.65	−12 02.4	18.5	−1.02	− 0.7	0.0/21.8	33414
1998 SX_{112}	2002 08 21.7	22 02.72	−37 00.2	17.1	−1.12	+ 1.7	11.2/15.4	31834
1999 TC_{207}	2002 08 21.7	22 02.75	−21 56.8	18.8	−1.45	+ 2.8	4.0/19.9	10914
1996 EK_{10}	2002 08 21.7	22 02.75	−11 20.4	19.1	−0.84	− 5.9	0.2/22.0	33758
1998 KH_{34}	2002 08 21.8	22 02.75	−14 11.5	18.1	−0.93	− 7.5	0.9/21.1	33768
1999 VA_{85}	2002 08 21.8	22 02.85	−17 21.6	20.9	−0.95	− 4.8	1.8/20.3	12996
2000 CL_{91}	2002 08 21.8	22 02.87	−15 16.1	18.7	−0.78	− 3.4	0.9/20.9	33863
2000 GU_{58}	2002 08 21.8	22 02.90	−22 51.9	20.1	−0.81	− 3.3	3.1/18.6	3558
2000 CT_{83}	2002 08 21.8	22 02.93	−13 50.2	18.2	−0.71	− 5.5	0.5/21.3	33863
1999 XS_{82}	2002 08 21.8	22 02.94	−29 45.9	18.3	−0.93	− 7.0	5.9/16.0	33846
1994 BD_1	2002 08 21.8	22 02.95	−20 31.0	17.6	−1.14	− 2.7	3.8/19.6	33755
1999 VU_{112}	2002 08 21.8	22 03.02	−11 18.2	19.4	−0.94	− 5.0	0.2/22.1	13623
2001 KO_{74}	2002 08 21.8	22 03.04	+05 11.3	19.4	−0.75	− 3.7	5.1/27.2	33420
2000 EE_{68}	2002 08 21.8	22 03.07	−22 40.2	19.4	−0.88	− 2.3	3.2/18.9	33223
2001 HG_4	2002 08 21.8	22 03.10	+07 23.3	20.2	−0.74	− 4.6	5.3/28.3	15097
1999 VN_{24}	2002 08 21.8	22 03.11	+04 57.7	16.9	−0.90	−11.3	5.8/27.7	33836
2000 AM_{62}	2002 08 21.9	22 03.08	−06 22.7	19.1	−0.94	− 1.5	1.8/23.3	33181
2000 DS_{66}	2002 08 21.9	22 03.21	−12 34.7	19.2	−0.79	− 5.3	0.2/21.7	33866
1999 VN_{170}	2002 08 21.9	22 03.23	−10 16.8	20.4	−0.99	− 4.9	0.6/22.4	18218
2001 FH_{186}	2002 08 21.9	22 03.24	−09 13.1	17.4	−0.72	−10.0	1.0/23.0	33405
1998 VK_6	2002 08 21.9	22 03.25	−09 59.7	18.4	−0.89	− 3.2	0.7/22.5	33787
2001 FH_{48}	2002 08 21.9	22 03.26	−27 33.6	19.2	−1.02	− 1.5	5.4/17.9	33903
2000 CR_{82}	2002 08 21.9	22 03.27	−11 50.8	18.1	−0.77	− 3.8	0.0/22.0	33863
1998 VY_{45}	2002 08 21.9	22 03.35	−08 36.8	17.6	−1.02	− 0.1	1.3/22.7	33788
1999 XU_{229}	2002 08 21.9	22 03.36	−15 00.7	18.3	−1.10	− 2.0	1.3/21.2	18222
2001 FY_{144}	2002 08 21.9	22 03.41	−09 06.1	18.0	−0.78	− 9.9	0.9/23.0	33906
2001 FD_{28}	2002 08 21.9	22 03.46	−17 56.9	20.5	−1.00	− 5.0	2.2/20.3	13827
2001 DL_{30}	2002 08 21.9	22 03.48	−14 17.1	19.7	−0.95	− 5.2	0.9/21.3	13814
1999 XK_{93}	2002 08 22.0	22 03.45	−24 36.8	17.8	−0.87	− 7.7	4.8/17.8	33846
1999 VM_{198}	2002 08 22.0	22 03.50	−23 04.7	18.0	−0.79	−10.5	5.4/18.0	33145
1999 VY_{143}	2002 08 22.0	22 03.50	−23 41.3	17.6	−1.05	− 2.7	4.8/18.9	33839
2001 KG_4	2002 08 22.0	22 03.55	+00 22.4	20.1	−0.81	− 4.7	3.8/25.8	33910
2001 JO_7	2002 08 22.0	22 03.59	−16 57.6	19.5	−0.85	− 5.1	1.7/20.5	17609
2001 FS_{28}	2002 08 22.0	22 03.77	−22 53.2	19.2	−1.03	− 4.7	4.2/18.9	13827
1998 SS_{110}	2002 08 22.0	22 03.85	−06 48.3	17.1	−0.76	− 4.0	2.4/23.6	33050
4320 P-L	2002 08 22.0	22 03.86	−26 23.9	19.6	−0.97	− 0.6	4.8/18.3	18104
2000 HS_7	2002 08 22.0	22 03.87	−12 08.6	18.8	−0.73	− 4.3	0.1/22.0	1622
1998 QP_{67}	2002 08 22.0	22 03.87	+00 13.1	16.9	−1.03	+ 1.5	5.5/24.7	33772
1998 UC_{31}	2002 08 22.0	22 03.88	−21 42.4	17.8	−0.97	− 2.4	3.4/19.4	33786
1999 VW_{17}	2002 08 22.0	22 03.88	−03 51.2	20.3	−0.96	− 5.0	3.0/24.4	13619
2001 FX_{81}	2002 08 22.0	22 03.91	−16 16.2	21.0	−1.03	− 1.7	1.4/21.0	13837
1999 WD_3	2002 08 22.1	22 03.85	+09 35.4	19.2	−0.90	− 3.2	7.2/28.6	33147
1998 SO_{85}	2002 08 22.1	22 03.90	−25 26.9	19.6	−1.04	− 2.1	4.5/18.4	30285
2000 DT_{24}	2002 08 22.1	22 03.96	−13 15.4	19.2	−0.81	− 6.4	0.5/21.7	33210
2001 BF_{67}	2002 08 22.1	22 03.97	−03 52.3	18.8	−0.93	− 7.2	2.9/24.6	33894
2001 GC_5	2002 08 22.1	22 04.03	−36 10.9	18.9	−0.96	− 4.5	8.1/14.4	14427
1999 XB_{164}	2002 08 22.1	22 04.15	−10 47.6	17.8	−0.95	− 6.2	0.4/22.5	13637
1999 VJ_{169}	2002 08 22.1	22 04.16	−11 11.7	20.5	−0.99	− 4.7	0.3/22.4	18218
1997 AP_{18}	2002 08 22.1	22 04.23	−16 54.5	19.2	−0.96	− 5.4	1.8/20.7	33760
1997 UW_{14}	2002 08 22.1	22 04.24	−22 16.9	17.6	−0.80	− 3.8	3.3/19.0	618
1999 TM_{14}	2002 08 22.1	22 04.28	−09 54.4	18.0	−0.93	− 6.6	0.9/22.8	33826
2001 FO_{35}	2002 08 22.1	22 04.28	−09 50.6	18.5	−1.02	− 3.0	0.8/22.7	33387
1998 RM_{55}	2002 08 22.2	22 04.19	−02 16.9	16.9	−0.72	− 5.0	4.7/25.3	33776
2001 CU_{37}	2002 08 22.2	22 04.21	−45 48.4	18.1	−1.10	−18.2	15.1/06.1	12290
2000 EK_{58}	2002 08 22.2	22 04.22	−16 54.6	18.9	−0.83	− 2.3	1.5/20.8	33868
2001 DL_{39}	2002 08 22.2	22 04.23	−06 17.0	18.2	−1.03	− 4.5	2.4/23.7	33897
2001 FZ_{17}	2002 08 22.2	22 04.28	−09 40.3	18.9	−0.99	− 5.7	0.8/22.8	33901
1999 TM_{278}	2002 08 22.2	22 04.30	−24 20.0	18.3	−1.03	− 3.4	4.9/18.8	13616
2000 FL_{47}	2002 08 22.2	22 04.38	−09 46.6	18.5	−0.69	− 6.6	0.6/22.9	33872
2001 HX_{33}	2002 08 22.2	22 04.45	−18 38.4	19.3	−0.91	− 4.6	2.2/20.3	14432
1999 VX_{43}	2002 08 22.2	22 04.48	−22 23.5	18.3	−1.08	− 4.4	4.1/19.3	33837
1999 RE_{238}	2002 08 22.2	22 04.60	−21 27.8	18.5	−0.90	− 9.0	4.6/19.1	33825
2000 EJ_{130}	2002 08 22.3	22 04.56	−07 21.3	17.9	−0.67	− 7.9	1.3/23.8	33870
2000 FJ_{33}	2002 08 22.3	22 04.60	−20 54.0	19.3	−0.77	− 3.4	2.3/19.6	1587
2001 FU_{144}	2002 08 22.3	22 04.64	−60 00.0	18.0	−1.49	+ 0.6	17.1/03.8	16094
2002 OG_7	2002 08 22.3	22 04.65	−01 22.9	17.1	−0.63	−10.0	3.7/26.2	33700
1992 BK_4	2002 08 22.3	22 04.72	−15 51.1	19.5	−0.93	− 4.2	1.5/21.2	33753
1995 SU_{88}	2002 08 22.3	22 04.78	−12 19.5	21.1	−0.94	− 4.9	0.2/22.2	15574
2001 FV_{24}	2002 08 22.3	22 04.85	−01 28.1	18.3	−0.91	− 4.3	4.0/25.4	33385
2001 HE_{50}	2002 08 22.3	22 04.85	−37 32.0	17.8	−1.03	− 3.1	9.7/14.5	13475
1998 SY_{54}	2002 08 22.3	22 04.87	−23 59.2	17.5	−1.06	− 0.8	5.3/19.2	31831
2001 KL_{14}	2002 08 22.3	22 04.89	−30 23.5	18.7	−0.84	− 4.9	6.4/16.3	33911
2001 FQ_{113}	2002 08 22.3	22 04.97	−18 06.7	19.5	−1.03	− 1.1	2.4/20.8	13336
1999 XK_{202}	2002 08 22.3	22 04.97	−00 34.6	18.3	−0.97	− 1.4	3.9/25.2	33850
2001 FP_{66}	2002 08 22.3	22 04.98	−10 54.5	18.8	−0.93	− 9.2	0.3/22.7	33903
1999 XE_{77}	2002 08 22.4	22 04.93	−11 53.5	20.5	−0.93	− 5.7	0.0/22.4	26925
1998 RG_{52}	2002 08 22.4	22 04.94	−20 52.5	19.1	−0.97	− 4.9	3.2/19.7	33776
2000 AX_{129}	2002 08 22.4	22 04.96	−16 32.2	18.7	−0.81	− 8.9	1.6/20.8	33188
1999 UJ_{30}	2002 08 22.4	22 05.06	−27 27.2	20.4	−1.12	− 2.8	6.2/18.3	11618
2000 CE_{26}	2002 08 22.4	22 05.13	−08 00.6	18.2	−0.91	− 3.8	1.5/23.5	33861
1997 WC_{22}	2002 08 22.4	22 05.22	−00 49.7	17.9	−0.84	− 1.8	4.0/25.4	33015
1999 UX_7	2002 08 22.4	22 05.22	−24 31.1	18.4	−1.02	− 4.1	5.0/18.9	33834
2001 AY_{46}	2002 08 22.4	22 05.26	−53 15.8	19.1	−1.64	− 1.7	17.0/08.2	12271
2000 AK_{137}	2002 08 22.4	22 05.27	−15 15.7	17.7	−0.79	− 8.9	1.0/21.3	*40438*
1999 XY	2002 08 22.4	22 05.27	−05 04.4	18.0	−0.98	− 4.1	2.5/24.3	33151
2000 ET_{10}	2002 08 22.4	22 05.29	−08 49.7	18.5	−0.80	− 8.4	0.9/23.4	33867
2000 EH_{20}	2002 08 22.4	22 05.31	+06 12.3	18.8	−0.83	− 3.4	6.1/27.8	33868
2001 CY_9	2002 08 22.4	22 05.32	−12 01.9	18.8	−0.92	− 8.5	0.1/22.4	12285
2001 HQ_{10}	2002 08 22.4	22 05.33	+00 21.6	17.9	−0.82	− 4.2	4.6/26.2	33408
1998 SC	2002 08 22.4	22 05.35	−28 20.2	17.4	−0.97	− 3.1	5.7/17.9	33777
2001 BZ_{71}	2002 08 22.4	22 05.36	−09 07.4	18.7	−0.91	− 7.7	1.0/23.3	33363
1999 XF_{234}	2002 08 22.4	22 05.36	−10 52.7	18.3	−0.84	− 7.2	8.1/12.0	33851
1997 GB_1	2002 08 22.4	22 05.36	−05 41.7	20.0	−0.92	− 6.7	2.5/24.3	4346
1999 WS_{13}	2002 08 22.4	22 05.38	−47 45.8	19.4	−1.23	− 4.3	10.2/09.8	*40402*
2000 CE_{85}	2002 08 22.5	22 05.30	−14 51.0	20.0	−0.76	− 4.4	0.8/21.6	4557

2000 CX_{47}	2002 08 22.5	22 05.30	−04 18.1	18.3	−0.83	− 2.1	2.2/24.5	33204
1999 XD_{49}	2002 08 22.5	22 05.35	−01 39.5	18.9	−0.90	− 3.2	5.1/25.3	33844
1999 VR_{134}	2002 08 22.5	22 05.38	−14 09.7	21.2	−0.97	− 4.9	1.0/21.8	14795
1998 SF_{140}	2002 08 22.5	22 05.41	−05 51.2	17.4	−0.86	− 3.8	2.4/24.2	33053
2001 FM_{14}	2002 08 22.5	22 05.45	−05 20.4	19.9	−0.90	− 7.0	2.2/24.5	13825
1998 HJ_{124}	2002 08 22.5	22 05.46	−04 28.2	17.4	−0.89	−10.0	3.1/25.0	33767
2000 HU_{61}	2002 08 22.5	22 05.48	−08 41.3	18.3	−0.62	− 3.9	0.8/23.5	33875
2000 FV_{7}	2002 08 22.5	22 05.50	−36 03.2	17.7	−0.90	− 3.9	7.7/14.5	31905
1999 UM_{50}	2002 08 22.5	22 05.53	−19 19.2	19.3	−0.92	− 5.9	2.5/20.3	33835
2001 JW_{5}	2002 08 22.5	22 05.54	−06 55.0	19.8	−0.84	− 5.9	1.5/24.0	33910
1999 VG_{49}	2002 08 22.5	22 05.60	−04 33.1	18.5	−0.98	− 4.1	3.3/24.5	33132
1998 SA_{153}	2002 08 22.5	22 05.60	−12 28.9	17.6	−0.90	− 2.8	0.3/22.4	33053
2002 PV_{53}	2002 08 22.5	22 05.65	−13 38.6	17.6	−0.70	− 7.9	0.9/21.9	33730
2001 CY_{43}	2002 08 22.5	22 05.67	−28 57.7	18.7	−1.01	− 5.7	6.3/17.4	13812
2000 AN_{25}	2002 08 22.5	22 05.70	−27 10.0	18.1	−0.87	− 4.9	5.2/17.8	33853
2000 GT_{137}	2002 08 22.5	22 05.71	+06 31.7	18.3	−0.89	− 1.6	6.0/27.5	33874
2002 NY_{25}	2002 08 22.6	22 05.66	−05 06.3	18.0	−0.90	+ 0.6	2.0/24.2	33668
1995 GK_{2}	2002 08 22.6	22 05.70	−11 35.9	19.3	−0.72	− 5.9	0.0/22.6	1898
2000 AC_{209}	2002 08 22.6	22 05.75	−18 46.5	19.0	−0.81	− 7.3	2.3/20.3	7520
2000 EU_{22}	2002 08 22.6	22 05.81	−12 04.1	19.6	−0.87	− 4.9	0.1/22.5	5713
1999 TB_{175}	2002 08 22.6	22 05.85	−06 11.2	18.8	−0.97	− 4.8	2.1/24.2	33831
1999 XM_{248}	2002 08 22.6	22 05.87	−01 14.1	19.6	−0.92	− 7.0	4.5/25.8	18222
2001 KZ_{64}	2002 08 22.6	22 05.92	−12 50.3	18.4	−0.70	− 8.8	0.3/22.3	33419
2001 HK_{44}	2002 08 22.6	22 05.94	−05 46.6	18.6	−0.78	− 6.3	2.1/24.5	33909
1997 HL_{8}	2002 08 22.6	22 05.95	−08 07.5	20.0	−0.85	− 5.9	1.3/23.8	16756
2000 ED_{35}	2002 08 22.6	22 05.98	−01 51.4	19.6	−0.70	− 5.1	2.5/25.8	1573
1998 SC_{10}	2002 08 22.6	22 06.00	−26 39.8	17.0	−0.95	− 1.9	5.8/18.6	18170
2000 BB_{27}	2002 08 22.6	22 06.02	−16 44.5	19.1	−0.82	− 5.6	1.7/21.1	31896
2000 EV_{5}	2002 08 22.6	22 06.02	−12 16.0	19.2	−0.73	− 4.0	0.2/22.5	33220
1999 XQ_{60}	2002 08 22.6	22 06.06	−09 26.5	19.5	−0.91	− 5.4	0.8/23.3	33845
1999 XT_{131}	2002 08 22.7	22 06.07	−27 18.2	20.2	−0.90	− 4.1	4.7/18.0	23511
2000 DF_{108}	2002 08 22.7	22 06.10	−15 01.1	18.7	−0.73	− 7.3	1.1/21.6	19529
2001 HR_{62}	2002 08 22.7	22 06.13	−18 26.0	19.0	−0.92	− 4.8	2.3/20.7	13486
2000 ER_{126}	2002 08 22.7	22 06.18	−13 39.4	19.0	−0.71	− 6.5	0.6/22.1	14405
2000 CO_{84}	2002 08 22.7	22 06.19	−15 19.6	19.5	−0.77	− 4.1	1.1/21.6	13656
1999 XE_{246}	2002 08 22.7	22 06.19	−14 21.1	17.8	−0.89	− 9.1	1.1/21.9	19470
1997 GM_{10}	2002 08 22.7	22 06.20	−24 04.1	19.0	−1.05	− 3.2	4.9/19.3	3163
1999 VF_{13}	2002 08 22.7	22 06.22	−57 41.1	18.3	−1.68	− 1.1	17.0/03.5	14376
2000 DE_{97}	2002 08 22.7	22 06.24	−11 53.9	17.5	−0.94	− 3.1	9.7/03.0	33867
1994 RK_{5}	2002 08 22.7	22 06.30	−07 19.4	18.6	−0.83	− 5.2	1.9/24.1	5407
1989 SZ_{13}	2002 08 22.7	22 06.30	−02 53.9	17.2	−0.96	− 0.1	3.4/24.9	33751
1998 ST_{90}	2002 08 22.7	22 06.33	−15 41.4	19.4	−0.89	− 3.9	1.4/21.6	33781
1999 VV_{178}	2002 08 22.7	22 06.37	−15 22.7	19.5	−0.94	− 7.5	1.3/21.6	14378
2001 FL_{61}	2002 08 22.7	22 06.39	−21 15.5	18.1	−0.97	− 3.0	4.2/20.1	33390
1998 SN_{131}	2002 08 22.7	22 06.41	−13 55.9	17.6	−0.90	− 2.6	0.8/22.2	33783
2001 KY_{23}	2002 08 22.7	22 06.45	+06 58.3	17.9	−0.76	− 3.4	5.8/28.6	33911
1999 XW_{155}	2002 08 22.7	22 06.46	−23 38.4	19.1	−0.90	− 6.7	4.3/19.0	33848
1998 HN_{49}	2002 08 22.8	22 06.45	−05 30.1	17.4	−0.93	− 6.2	2.6/24.7	33767
2001 HB_{65}	2002 08 22.8	22 06.45	−09 49.1	19.7	−0.85	− 5.1	0.6/23.4	17608
1979 QH_{2}	2002 08 22.8	22 06.55	−10 21.4	18.5	−0.85	− 4.0	0.5/23.0	32995
1998 XS_{50}	2002 08 22.8	22 06.57	−01 43.1	17.1	−0.84	− 1.6	3.5/25.5	20711
1999 VU_{108}	2002 08 22.8	22 06.59	−06 19.4	20.4	−0.89	− 5.1	1.8/24.4	27652
1999 YC_{5}	2002 08 22.8	22 06.60	−20 25.1	18.4	−0.78	−10.0	3.0/19.7	14384
1999 VV_{102}	2002 08 22.8	22 06.62	−16 06.3	19.4	−0.93	− 4.7	2.1/21.6	33137
2000 HZ_{3}	2002 08 22.8	22 06.65	−12 55.6	19.8	−0.74	− 4.3	0.4/22.5	33875
4843 P-L	2002 08 22.8	22 06.72	−17 48.6	19.6	−0.88	− 4.1	1.8/21.1	4861
1999 TD_{172}	2002 08 22.8	22 06.74	−24 36.6	19.7	−1.03	− 4.4	5.0/19.1	33831
2001 FB_{152}	2002 08 22.8	22 06.79	+06 23.9	21.2	−0.84	− 6.4	5.7/28.9	13845
2000 EQ_{108}	2002 08 22.8	22 06.81	−25 05.4	18.1	−0.88	− 2.6	4.3/19.1	31903
2000 ES_{83}	2002 08 22.9	22 06.78	−21 34.0	18.5	−0.75	− 6.7	3.1/19.6	33869
2002 LP_{56}	2002 08 22.9	22 06.80	+02 14.4	17.4	−0.81	− 3.2	5.4/27.0	33631
1999 XA_{96}	2002 08 22.9	22 06.84	−16 26.1	18.2	−1.01	− 4.4	1.7/21.6	33160
1998 XA_{26}	2002 08 22.9	22 06.86	−23 31.9	18.5	−0.75	− 7.3	3.8/18.8	33790
1999 RL_{39}	2002 08 22.9	22 06.86	−29 13.9	16.8	−0.67	− 7.9	9.6/16.1	*40359*
1999 UN_{18}	2002 08 22.9	22 06.87	−20 13.4	18.3	−0.98	− 5.1	4.3/20.4	33122
2001 FT_{134}	2002 08 22.9	22 06.94	+05 03.2	17.4	−0.86	− 4.4	6.8/28.2	33906
1998 SE_{99}	2002 08 22.9	22 06.97	−00 52.4	18.6	−0.79	− 7.3	4.2/26.4	33050
1999 BQ_{15}	2002 08 22.9	22 07.01	−35 21.8	17.2	−1.07	+ 0.6	6.8/16.7	635
1990 HU_{5}	2002 08 22.9	22 07.02	−22 12.5	19.4	−0.76	− 4.7	3.1/19.6	33751
2000 EK_{91}	2002 08 22.9	22 07.05	−05 16.0	18.6	−0.75	− 3.1	1.9/24.8	33224
1999 VP_{62}	2002 08 22.9	22 07.09	−12 55.8	18.0	−0.96	− 5.2	10.0/12.0	33838
2000 DZ_{102}	2002 08 22.9	22 07.15	−16 24.4	16.8	−0.72	− 8.7	1.7/21.3	33867
2001 JD_{4}	2002 08 22.9	22 07.18	−09 23.2	19.3	−0.79	− 5.6	0.7/23.7	13493
1997 AO_{17}	2002 08 22.9	22 07.22	−25 01.8	20.1	−0.97	− 7.0	4.7/18.8	12855
2000 DC_{63}	2002 08 23.0	22 07.13	−15 40.2	18.2	−0.92	− 1.0	1.4/22.0	33215
2000 EX_{20}	2002 08 23.0	22 07.20	+01 28.2	18.6	−0.84	− 1.3	4.2/26.6	33221
2002 OU_{17}	2002 08 23.0	22 07.27	+00 58.6	17.5	−0.81	− 4.4	5.6/26.9	33709
2001 JR_{9}	2002 08 23.0	22 07.36	−23 24.6	21.0	−0.93	− 4.3	3.6/19.6	14284
1997 EQ_{35}	2002 08 23.0	22 07.38	−12 47.8	19.3	−0.92	− 6.3	0.4/22.7	33761
1988 CF	2002 08 23.0	22 07.39	−15 31.5	18.6	−0.91	− 3.7	1.2/21.9	33751
1996 LK	2002 08 23.0	22 07.41	−08 12.4	18.3	−0.70	− 8.8	1.1/24.2	33759
1056 T-3	2002 08 23.0	22 07.45	−03 01.0	18.4	−0.92	+ 0.4	4.1/25.2	33738
1994 TY	2002 08 23.0	22 07.46	−32 12.5	17.3	−1.19	− 1.5	8.4/17.2	2619
1999 XG_{95}	2002 08 23.0	22 07.50	−08 34.8	17.5	−1.03	− 3.5	1.3/23.9	33160
2000 ET_{121}	2002 08 23.0	22 07.50	−28 00.2	18.3	−0.83	− 4.5	4.9/17.9	33870
2000 FU_{30}	2002 08 23.0	22 07.53	−11 35.4	18.5	−0.71	− 5.2	0.0/23.1	744
2001 KG_{30}	2002 08 23.1	22 07.56	+13 36.9	19.3	−0.76	− 4.0	7.8/31.5	33911
2000 CU_{57}	2002 08 23.1	22 07.60	−12 32.5	18.7	−0.99	− 1.7	0.3/22.9	*40452*
2000 AQ_{244}	2002 08 23.1	22 07.61	−04 20.7	19.5	−0.76	− 9.4	2.4/25.6	17143
2001 FT_{159}	2002 08 23.1	22 07.61	−10 19.3	20.2	−0.85	− 5.4	0.4/23.5	33907
2001 DM_{33}	2002 08 23.1	22 07.66	−17 14.2	19.0	−0.96	− 5.0	2.1/21.5	33897
2002 NM_{33}	2002 08 23.1	22 07.72	+03 49.8	17.5	−0.98	+ 0.5	6.3/27.0	33675
2001 FF_{46}	2002 08 23.1	22 07.73	−30 32.3	18.6	−1.10	− 0.3	7.1/18.4	33903
2000 EJ_{13}	2002 08 23.1	22 07.76	−18 30.6	19.4	−0.83	− 5.2	2.3/21.0	33867
1997 EE_{35}	2002 08 23.1	22 07.81	−14 06.7	19.3	−0.93	− 7.7	0.9/22.4	16751
1999 VX_{108}	2002 08 23.1	22 07.85	−14 18.8	20.6	−0.94	− 4.8	1.0/22.4	13623
1999 XG_{56}	2002 08 23.1	22 07.87	−01 08.9	19.6	−0.82	− 4.5	3.0/26.3	14380
1998 SM_{150}	2002 08 23.1	22 07.89	−07 28.9	19.0	−0.83	− 5.2	1.7/24.4	33784
1999 HB_{3}	2002 08 23.1	22 07.96	+30 51.8	17.9	−0.97	− 4.4	20.1/11.0	33808
1999 TM_{200}	2002 08 23.2	22 07.88	+01 28.0	17.2	−0.82	− 5.5	6.5/27.3	33832
2001 FY_{128}	2002 08 23.2	22 07.88	−16 28.8	19.0	−0.88	− 6.4	1.7/21.7	33400
1990 SW_{6}	2002 08 23.2	22 07.90	−26 17.3	17.4	−0.99	− 2.1	6.8/19.0	33751

1999 XF_{61}	2002 08 23.2	22 07.97	−19 31.3	18.0	−0.93	−	7.4	3.7/20.6	*40412*
2001 FD_{113}	2002 08 23.2	22 08.04	−31 26.6	20.0	−1.38	+	1.3	7.1/18.9	17586
2000 BJ_{3}	2002 08 23.2	22 08.04	−22 34.6	17.7	−0.88	−	1.8	3.6/20.2	13652
2000 CC_{113}	2002 08 23.2	22 08.08	−10 43.3	19.1	−0.88	−	4.4	0.3/23.5	18233
2001 DQ_{6}	2002 08 23.2	22 08.10	−16 38.4	20.7	−1.27	+	0.5	1.8/22.2	12292
2000 AG_{25}	2002 08 23.2	22 08.16	−13 14.4	19.3	−0.96	−	4.8	0.7/22.8	33853
2000 DS_{3}	2002 08 23.2	22 08.29	−24 02.4	18.5	−1.06	−	1.6	4.3/20.0	3515
2002 NN_{25}	2002 08 23.2	22 08.30	−00 15.4	17.2	−0.85	−	0.2	6.0/26.3	34024
2001 FA_{25}	2002 08 23.2	22 08.30	−02 16.7	18.0	−0.72		−10.6	3.4/26.7	33385
1999 TU_{270}	2002 08 23.3	22 08.28	−01 50.3	19.1	−1.02	−	3.6	3.9/25.9	14144
1999 TV_{178}	2002 08 23.3	22 08.34	−14 38.3	20.0	−0.95	−	6.2	1.1/22.4	17052
2000 AN_{193}	2002 08 23.3	22 08.38	+02 46.9	17.8	−0.93	−	5.1	5.4/27.5	33192
2000 DJ_{101}	2002 08 23.3	22 08.43	−21 05.4	19.3	−0.81	−	3.8	3.0/20.5	14400
1999 UN_{23}	2002 08 23.3	22 08.46	−08 32.1	18.1	−1.10	−	2.1	1.4/24.1	33835
1999 CP_{61}	2002 08 23.3	22 08.48	−08 16.4	17.6	−0.65	−	5.7	0.8/24.4	33798
1999 XV_{133}	2002 08 23.3	22 08.49	−02 37.4	18.9	−1.00	−	0.5	3.1/25.5	33848
2000 GG_{163}	2002 08 23.3	22 08.54	−21 48.6	19.3	−0.74	−	5.2	2.7/20.0	3572
2001 KG_{26}	2002 08 23.3	22 08.56	−07 59.3	19.2	−0.76	−	3.4	1.1/24.4	13508
2001 AT_{25}	2002 08 23.3	22 08.58	+01 48.0	18.4	−1.45	+	4.1	6.3/25.6	33352
1999 XG_{154}	2002 08 23.3	22 08.63	+00 17.2	18.0	−0.88	−	5.5	5.3/26.9	33848
1999 VQ_{56}	2002 08 23.3	22 08.64	−25 06.7	17.7	−1.02	−	3.0	6.5/19.7	33838
2000 BQ_{2}	2002 08 23.3	22 08.66	−09 19.1	19.6	−0.81	−	3.1	0.5/24.0	704
2000 AZ_{27}	2002 08 23.3	22 08.69	−14 42.8	19.0	−0.99	−	4.8	1.3/22.5	2259
1981 EV_{45}	2002 08 23.3	22 08.69	−08 43.2	18.2	−0.82	−	3.7	1.0/24.2	33750
2001 CZ_{23}	2002 08 23.4	22 08.65	−14 01.1	17.1	−0.81		−12.5	1.1/22.5	33895
1999 VF_{180}	2002 08 23.4	22 08.65	−24 43.7	20.1	−1.04	−	6.0	5.3/19.3	13007
2001 DE_{71}	2002 08 23.4	22 08.76	−06 09.8	18.2	−0.85	−	7.9	2.1/25.1	33898
1998 FN_{109}	2002 08 23.4	22 08.83	−04 42.8	16.7	−1.03	−	3.9	2.9/25.3	33766
2000 AF_{198}	2002 08 23.4	22 08.85	−10 11.3	17.8	−0.74	−	9.6	0.4/23.9	33859
2001 DY	2002 08 23.4	22 08.85	−14 32.1	19.3	−0.96	−	3.7	1.1/22.6	13812
2001 FF_{145}	2002 08 23.4	22 08.85	−37 34.9	18.4	−0.83	−	6.1	9.0/14.1	13844
1998 XP_{9}	2002 08 23.4	22 08.86	−28 44.3	18.5	−0.83	−	4.3	5.0/18.0	631
1998 VL_{3}	2002 08 23.4	22 08.93	−14 55.6	19.9	−0.83	−	4.3	1.2/22.4	*39545*
2001 FG_{176}	2002 08 23.4	22 08.98	−27 13.0	19.2	−0.88	−	5.0	5.6/18.6	17594
2000 AH_{163}	2002 08 23.4	22 08.99	−19 01.6	17.8	−0.80	−	6.4	2.2/21.0	33858
2001 FR_{131}	2002 08 23.4	22 09.02	+03 46.9	18.2	−0.81	−	5.3	5.6/28.4	33401
1999 XJ_{98}	2002 08 23.5	22 09.00	−02 48.4	18.3	−0.97	−	4.3	3.3/25.9	33847
2000 AL_{96}	2002 08 23.5	22 09.00	−21 57.6	18.9	−0.83	−	8.4	3.3/19.9	33855
2001 FA_{99}	2002 08 23.5	22 09.02	−13 01.9	18.4	−0.81	−	9.6	0.5/23.0	33396
1996 OK_{1}	2002 08 23.5	22 09.09	−02 56.2	18.3	−0.93	+	1.2	2.7/25.5	33008
2002 OT_{17}	2002 08 23.5	22 09.10	+03 17.9	18.0	−0.79	−	3.3	5.0/28.0	33709
1994 PU_{2}	2002 08 23.5	22 09.12	−10 20.3	17.9	−0.90	−	3.3	0.5/23.8	33755
1999 WO_{7}	2002 08 23.5	22 09.20	−18 04.1	20.1	−0.93	−	5.8	2.3/21.5	13626
2000 AY_{135}	2002 08 23.5	22 09.20	−14 19.3	19.3	−0.73	−	3.9	0.7/22.7	13120
2002 NQ_{25}	2002 08 23.5	22 09.24	+04 06.3	17.0	−1.02	+	8.0	8.3/25.9	33667
1995 GW_{2}	2002 08 23.5	22 09.26	−30 08.3	20.3	−0.86	−	2.4	4.8/18.1	*40308*
2000 GU_{115}	2002 08 23.5	22 09.34	−13 22.1	18.6	−0.74	−	4.5	0.6/23.0	1612
1998 QL_{72}	2002 08 23.5	22 09.36	+05 06.7	17.3	−0.95	−	1.0	7.1/28.1	33772
1999 TN_{103}	2002 08 23.5	22 09.42	−15 32.2	18.1	−1.10	−	2.1	1.7/22.6	33828
1999 XQ_{176}	2002 08 23.6	22 09.35	−36 42.3	17.8	−0.93	−	5.6	9.3/14.8	33850
2001 FQ_{103}	2002 08 23.6	22 09.40	−11 33.3	19.4	−0.88	−	6.8	0.1/23.6	15096
1999 VY_{184}	2002 08 23.6	22 09.42	−05 07.1	18.8	−0.90	−	7.2	2.3/25.6	33841
1999 XY_{116}	2002 08 23.6	22 09.53	−25 44.9	18.2	−1.07	−	4.2	5.9/19.4	13634
2000 CX_{2}	2002 08 23.6	22 09.53	−15 49.6	19.0	−0.87	−	5.6	1.5/22.3	704
2001 CW_{20}	2002 08 23.6	22 09.67	−36 24.2	20.0	−1.05	−	9.0	8.0/14.9	12287
1992 UR_{4}	2002 08 23.6	22 09.79	−09 21.2	17.8	−1.03	−	4.9	0.8/24.2	33753
1999 XN_{229}	2002 08 23.6	22 09.80	−21 08.2	19.7	−1.09	−	3.4	4.6/21.0	33851
1999 XS_{242}	2002 08 23.6	22 09.80	−37 35.5	19.5	−1.09	−	2.9	9.5/15.5	13084
2000 CJ_{26}	2002 08 23.7	22 09.72	−05 16.2	19.5	−0.80	−	1.7	1.6/25.4	2734
1999 UH_{7}	2002 08 23.7	22 09.74	−30 28.3	18.7	−1.32		0.0	6.6/19.1	*40384*
2001 FN_{64}	2002 08 23.7	22 09.76	−06 49.1	17.7	−0.74	−	9.3	1.8/25.3	33903
2000 DN_{26}	2002 08 23.7	22 09.79	−10 48.7	18.6	−0.79	−	6.2	0.2/23.9	*39448*
2001 HK_{56}	2002 08 23.7	22 09.81	−09 43.9	20.3	−0.94	−	5.9	0.6/24.2	17607
2001 KN_{56}	2002 08 23.7	22 09.88	−27 56.1	18.6	−0.89	−	5.1	5.8/18.5	14320
2000 AR_{196}	2002 08 23.7	22 09.91	−12 52.4	20.2	−0.79	−	7.5	0.4/23.2	*40442*
2001 DX_{42}	2002 08 23.7	22 09.92	−11 16.8	19.1	−0.90	−	6.1	0.0/23.8	33898
2000 BL_{11}	2002 08 23.7	22 09.92	−01 37.0	18.1	−0.88	+	1.5	5.5/26.0	33196
2000 AM_{95}	2002 08 23.7	22 09.94	−16 05.9	19.4	−0.70	−	5.3	1.2/22.2	697
1995 EN_{8}	2002 08 23.7	22 09.96	−26 27.4	18.2	−0.94	−	1.0	4.1/19.7	611
1995 GW_{1}	2002 08 23.7	22 10.02	−11 55.1	19.9	−0.72	−	5.7	0.2/23.6	13543
1999 TE_{285}	2002 08 23.7	22 10.02	−23 45.3	19.5	−1.00	−	6.4	4.8/19.9	33117
1999 XL_{174}	2002 08 23.7	22 10.06	−17 51.1	17.5	−0.92	−	4.6	3.0/21.8	13637
3028 P-L	2002 08 23.7	22 10.11	−01 35.0	17.1	−0.86	−	2.0	3.8/26.5	33735
1997 GO_{9}	2002 08 23.7	22 10.12	−11 54.4	18.5	−0.93	−	3.3	0.2/23.6	33761
2000 CL_{85}	2002 08 23.8	22 10.12	−16 42.9	19.7	−0.74	−	5.0	1.5/22.1	25016
2001 HW_{35}	2002 08 23.8	22 10.12	−27 31.3	18.2	−0.85	−	3.6	5.1/18.9	31947
2000 AJ_{134}	2002 08 23.8	22 10.14	−29 52.3	19.3	−0.92	−	5.6	5.9/17.8	14811
2001 FW_{160}	2002 08 23.8	22 10.21	−21 34.4	19.0	−0.88	−	2.2	3.5/21.0	33404
2000 CT_{106}	2002 08 23.8	22 10.23	−09 03.8	17.9	−0.89	−	2.2	1.0/24.4	33208
6221 P-L	2002 08 23.8	22 10.23	−15 43.2	18.2	−1.01	−	2.6	1.7/22.7	34057
2000 FO_{55}	2002 08 23.8	22 10.26	−20 28.1	20.0	−0.78	−	4.4	2.5/21.0	18249
2001 KP_{24}	2002 08 23.8	22 10.28	+23 35.6	18.2	−0.85	−	2.5	11.6/04.8	33911
1999 VM_{143}	2002 08 23.8	22 10.32	−51 53.2	19.6	−1.30	−	0.7	12.4/11.4	13624
2001 JU_{6}	2002 08 23.8	22 10.45	−04 21.6	19.1	−0.84	−	8.8	2.2/26.2	33910
2001 HM_{9}	2002 08 23.8	22 10.45	−11 53.3	19.3	−0.76	−	5.3	0.2/23.7	33908
2001 KJ_{12}	2002 08 23.8	22 10.49	+20 09.9	17.7	−0.74	−	3.7	9.8/04.0	33911
1998 WP_{1}	2002 08 23.8	22 10.49	−25 41.8	17.6	−0.80	−	5.6	4.4/19.1	33789
2001 KO_{60}	2002 08 23.8	22 10.51	−37 12.0	18.6	−0.84	−	5.5	8.3/14.6	33419
1998 RH_{58}	2002 08 23.8	22 10.52	−18 48.6	18.0	−1.00	−	1.3	3.1/22.0	33776
2000 DB_{95}	2002 08 23.9	22 10.46	−16 15.1	18.9	−0.81	−	6.0	1.7/22.3	26934
1999 TH_{32}	2002 08 23.9	22 10.48	−16 56.6	18.2	−1.06	−	3.6	2.2/22.4	33827
2001 FZ_{11}	2002 08 23.9	22 10.48	−16 42.2	19.1	−0.92	−	5.5	1.9/22.3	13824
2000 AY_{60}	2002 08 23.9	22 10.51	−13 14.0	18.5	−0.88	−	4.3	0.7/23.3	33854
1999 XL_{134}	2002 08 23.9	22 10.54	−09 42.3	19.0	−0.94	−	1.9	0.5/24.3	33848
2000 DM_{73}	2002 08 23.9	22 10.55	−10 38.0	19.7	−0.75	−	5.0	0.2/24.1	33866
2000 AZ_{63}	2002 08 23.9	22 10.55	−10 14.7	19.0	−0.96	−	3.1	0.4/24.2	33854
2000 ET_{64}	2002 08 23.9	22 10.58	+06 03.3	18.5	−0.66	−	8.6	5.3/30.3	33223
2001 FZ_{41}	2002 08 23.9	22 10.65	−13 41.6	17.7	−0.86	−	4.0	1.0/23.2	33902
1999 XD_{234}	2002 08 23.9	22 10.68	−11 56.7	17.7	−0.73		−10.6	0.3/23.7	33851
1999 VX_{27}	2002 08 23.9	22 10.70	−19 10.5	20.1	−0.90	−	4.6	2.4/21.6	12980
1998 WJ_{23}	2002 08 23.9	22 10.71	−09 37.9	17.3	−0.76	−	2.9	0.8/24.4	9091
1995 YH_{25}	2002 08 23.9	22 10.78	−25 08.4	18.6	−0.97	−	5.3	5.9/19.7	13545

1997 SQ_{9}	2002 08 23.9	22 10.80	−20 54.8	19.1	−0.87	−	1.6	2.8/21.3	*40319*
1999 VP_{75}	2002 08 23.9	22 10.84	−02 06.7	19.8	−0.90	−	6.2	3.6/26.8	*39319*
1995 QZ_{4}	2002 08 23.9	22 10.87	−03 03.1	19.1	−1.02	−	3.2	3.7/26.2	33004
2001 HN_{33}	2002 08 23.9	22 10.87	+01 17.4	19.8	−0.78	−	5.7	4.1/28.0	33411
2001 FU_{58}	2002 08 24.0	22 10.86	−18 04.2	19.6	−0.93	−	4.2	2.4/22.0	14422
2000 GC_{113}	2002 08 24.0	22 10.87	−04 25.9	19.4	−0.67	−	7.0	1.9/26.3	14411
2000 HF_{79}	2002 08 24.0	22 10.90	−38 38.9	18.8	−0.83	−	4.2	6.8/14.6	1320
2001 KH_{72}	2002 08 24.0	22 11.02	+05 03.0	17.6	−0.74	−	3.0	5.6/29.0	33912
1998 QP_{55}	2002 08 24.0	22 11.07	−16 03.2	17.0	−0.84	−	3.4	2.2/22.7	*35711*
2000 DN_{83}	2002 08 24.0	22 11.11	−16 57.7	19.1	−0.71	−	6.3	1.7/22.2	33866
1993 FC_{27}	2002 08 24.0	22 11.13	−10 29.7	18.3	−0.92	−	3.8	0.3/24.3	33754
1999 AP_{1}	2002 08 24.0	22 11.13	−26 07.7	20.4	−0.82	−	4.4	4.2/19.4	16901
1999 WQ_{14}	2002 08 24.0	22 11.14	−15 02.9	20.6	−0.94	−	5.2	1.3/22.9	17094
1998 SQ_{89}	2002 08 24.0	22 11.23	−15 42.0	18.2	−0.92	−	2.3	1.9/22.9	33049
2002 NW_{25}	2002 08 24.0	22 11.24	−04 12.9	16.8	−0.96	−	1.3	3.4/25.9	33668
2001 JK_{6}	2002 08 24.0	22 11.26	−21 01.4	20.2	−0.91	−	4.9	3.1/21.2	14282
2001 FO_{165}	2002 08 24.0	22 11.28	−21 06.3	17.9	−1.00	−	4.6	4.2/21.3	13375
2000 EN_{101}	2002 08 24.1	22 11.19	−11 34.6	19.1	−0.82	−	4.1	0.1/24.0	33224
1999 XJ_{84}	2002 08 24.1	22 11.21	−28 05.1	18.7	−0.91	−	6.6	5.3/18.5	14381
1998 SV_{66}	2002 08 24.1	22 11.22	−18 59.2	18.5	−0.84	−	5.4	2.8/21.7	33779
2000 AV_{27}	2002 08 24.1	22 11.24	−07 29.4	19.4	−0.83	−	3.3	1.0/25.2	*39568*
2000 GX_{9}	2002 08 24.1	22 11.26	−10 39.2	18.7	−0.80	−	4.2	0.2/24.3	33872
1998 SN_{23}	2002 08 24.1	22 11.36	−15 12.2	18.3	−0.81	−	7.3	1.7/22.8	33042
2001 FN_{33}	2002 08 24.1	22 11.36	−11 45.8	18.6	−0.94	−	3.9	0.2/24.0	13828
2000 CQ_{22}	2002 08 24.1	22 11.40	−10 41.8	19.5	−0.79	−	6.3	0.1/24.3	33201
2000 CT_{70}	2002 08 24.1	22 11.42	−07 30.5	17.8	−0.86	−	0.9	1.1/25.1	33205
2184 T-1	2002 08 24.1	22 11.43	−07 59.0	19.3	−0.87	−	7.7	1.2/25.2	34058
1999 VD_{207}	2002 08 24.1	22 11.54	−13 28.3	19.8	−0.96	−	4.7	0.8/23.5	13011
1999 UT_{9}	2002 08 24.1	22 11.55	−25 42.4	18.0	−1.46	+	1.9	5.7/21.2	*38811*
1999 VO_{43}	2002 08 24.1	22 11.57	−12 56.4	18.3	−0.99	−	4.2	0.9/23.7	33131
2001 FA_{54}	2002 08 24.1	22 11.61	−31 49.1	19.9	−1.00	−	2.4	6.6/18.3	13307
1999 VU_{42}	2002 08 24.2	22 11.60	−16 26.0	18.5	−1.05	−	2.8	2.4/22.8	33837
2001 FV_{156}	2002 08 24.2	22 11.63	−15 21.9	19.1	−0.90	−	9.2	1.6/22.8	13845
1997 EE_{37}	2002 08 24.2	22 11.76	−16 27.7	19.0	−0.94	−	6.9	2.0/22.6	33761
2001 EF_{24}	2002 08 24.2	22 11.82	−08 58.7	19.0	−0.92	−	6.6	0.8/24.9	33900
2000 AH_{85}	2002 08 24.2	22 11.84	−17 52.7	18.4	−0.79	−	6.1	1.9/22.1	33855
2000 AQ_{111}	2002 08 24.2	22 11.87	−02 34.5	19.6	−0.87	−	6.2	3.3/26.9	26927
1998 SU_{63}	2002 08 24.2	22 11.91	+08 37.4	18.9	−0.97	+	1.8	9.1/28.9	33046
1997 SH_{7}	2002 08 24.2	22 11.92	−18 10.0	19.4	−0.87	−	1.9	2.2/22.4	16762
1999 TB_{181}	2002 08 24.2	22 12.00	−05 22.8	19.6	−0.94	−	5.4	2.0/26.0	12958
1999 TM_{189}	2002 08 24.3	22 11.95	−02 26.6	17.5	−1.03	−	0.9	4.4/26.5	33109
1999 XS_{69}	2002 08 24.3	22 11.97	−26 04.4	17.2	−0.89	−	6.1	6.9/19.4	13631
2000 CS_{98}	2002 08 24.3	22 11.99	−09 06.0	18.7	−0.87	−	3.2	0.7/24.9	33207
2001 KZ_{33}	2002 08 24.3	22 12.01	+05 51.5	18.2	−0.70	−	6.1	5.8/30.2	33911
1998 UV_{25}	2002 08 24.3	22 12.02	−29 48.7	18.4	−0.91	−	4.3	7.0/18.4	31840
1996 AB_{3}	2002 08 24.3	22 12.11	−15 43.0	20.2	−0.86	−	5.0	1.5/23.0	13545
2000 DP_{62}	2002 08 24.3	22 12.13	−06 34.7	19.7	−0.73	−	7.0	1.4/25.9	14399
1998 SZ_{116}	2002 08 24.3	22 12.13	+07 57.5	18.8	−0.81	−	5.7	6.8/30.5	25719
2000 HK_{28}	2002 08 24.3	22 12.19	−49 06.1	19.3	−0.99	−	3.4	9.2/10.3	2507
2001 CD_{8}	2002 08 24.3	22 12.26	−14 40.6	19.9	−1.04	−	4.0	1.3/23.4	13248
2000 JO_{72}	2002 08 24.3	22 12.28	+03 05.3	17.9	−0.75	−	3.3	4.2/28.7	33877
2001 DH_{39}	2002 08 24.3	22 12.29	−08 19.5	19.2	−0.93	−	7.4	1.2/25.3	33897
2000 DJ_{9}	2002 08 24.3	22 12.30	−10 44.9	19.0	−0.78	−	6.6	0.1/24.5	33864
1998 QF_{85}	2002 08 24.3	22 12.37	+02 48.7	17.4	−0.99	−	0.8	5.0/28.0	33773
2000 CT_{9}	2002 08 24.4	22 12.30	−09 48.4	19.6	−0.86	−	6.0	0.4/24.8	705
2001 FS_{161}	2002 08 24.4	22 12.37	−20 49.1	19.3	−0.83	−	6.9	3.0/21.3	14426
1999 TL_{154}	2002 08 24.4	22 12.38	−04 45.6	18.4	−0.92	−	7.1	2.5/26.4	33831
2000 XR_{45}	2002 08 24.4	22 12.39	−52 57.0	18.6	−1.76	+	2.3	18.3/12.7	9892
2001 FU_{108}	2002 08 24.4	22 12.42	−10 42.9	20.7	−0.94	−	5.0	0.1/24.5	13335
2000 AJ_{129}	2002 08 24.4	22 12.44	−15 10.0	18.1	−0.78	−10.9		1.5/23.0	13119
1999 XD_{45}	2002 08 24.4	22 12.48	−24 16.8	18.2	−1.01	−	5.1	5.1/20.5	13630
2001 FO_{41}	2002 08 24.4	22 12.49	−17 59.5	19.6	−1.06	−	3.4	2.6/22.6	13829
2001 FO_{171}	2002 08 24.4	22 12.50	−18 12.4	18.3	−0.79	−	9.5	2.3/22.0	20838
2000 DG_{93}	2002 08 24.4	22 12.50	−13 51.6	19.0	−0.89	−	0.9	0.8/23.7	33217
1999 VV_{93}	2002 08 24.4	22 12.52	−05 43.7	18.9	−0.94	−	5.9	1.9/26.1	33839
2001 HM_{19}	2002 08 24.4	22 12.54	−08 19.9	18.8	−0.83	−	5.1	1.1/25.3	33410
2000 CG_{84}	2002 08 24.4	22 12.55	−12 19.5	19.4	−0.80	−	8.0	0.4/24.0	*40455*
1996 EF_{9}	2002 08 24.4	22 12.65	−11 03.6	18.7	−0.83	−	7.5	0.0/24.5	33758
2000 DD_{69}	2002 08 24.4	22 12.73	−06 45.2	18.6	−0.85	−	6.2	1.5/25.8	33866
2001 DS_{17}	2002 08 24.5	22 12.67	−24 02.7	16.8	−1.02	−	0.6	6.3/21.2	33897
2000 AR_{12}	2002 08 24.5	22 12.67	−19 44.8	19.0	−0.91	−	4.9	3.0/21.9	33853
1998 VP_{9}	2002 08 24.5	22 12.72	−06 32.1	17.8	−0.85	−	3.8	1.7/25.8	33787
2000 CR_{15}	2002 08 24.5	22 12.78	−04 57.4	20.9	−0.79	−	3.6	1.7/26.3	17151
2001 FX_{44}	2002 08 24.5	22 12.82	−10 49.2	19.3	−0.78	−	5.3	0.1/24.6	33903
2001 HV_{56}	2002 08 24.5	22 12.82	−17 31.0	20.2	−0.99	−	5.2	2.3/22.6	19935
1998 SG_{62}	2002 08 24.5	22 12.92	+08 17.6	17.5	−0.73	−	4.3	9.3/31.3	33046
2002 PW_{81}	2002 08 24.5	22 12.93	−08 48.3	17.0	−0.82	−	6.4	1.1/25.3	33733
2002 OO_{7}	2002 08 24.5	22 12.96	+01 04.3	17.8	−0.71	−	7.2	4.3/28.7	33700
1998 RD_{11}	2002 08 24.5	22 12.96	+01 23.3	19.8	−0.76	−	9.3	4.4/29.0	13574
1999 TW_{35}	2002 08 24.5	22 12.97	−19 31.0	19.2	−1.10	−	2.8	3.4/22.3	13611
1998 MT_{38}	2002 08 24.5	22 13.01	−01 49.2	18.6	−0.94	−	4.3	3.6/27.3	33769
2001 FR_{36}	2002 08 24.5	22 13.02	−08 45.8	18.3	−0.84	−	5.5	0.9/25.3	33902
1999 XK_{116}	2002 08 24.5	22 13.03	−00 17.8	18.5	−0.95	−	4.1	4.1/27.7	33847
2001 BP_{47}	2002 08 24.5	22 13.10	−08 18.4	19.1	−0.98	−	4.0	1.0/25.4	12277
2001 EH_{20}	2002 08 24.6	22 13.20	−07 38.0	17.7	−0.85	−	6.1	1.5/25.7	33900
2001 BN_{44}	2002 08 24.6	22 13.20	−15 57.9	18.5	−0.97	−	4.9	1.8/23.2	33893
1991 SY_{1}	2002 08 24.6	22 13.28	−16 22.1	16.4	−1.12	+	2.1	2.6/23.5	33752
1999 VT_{28}	2002 08 24.6	22 13.28	−19 37.2	18.5	−1.00	−	4.7	3.9/22.1	33836
2001 FV_{126}	2002 08 24.6	22 13.35	−14 37.1	19.5	−0.91	−	6.9	1.2/23.5	33906
2000 FV_{38}	2002 08 24.6	22 13.39	−01 10.2	17.6	−0.69	−	8.0	3.2/28.0	33228
1999 XV_{45}	2002 08 24.6	22 13.46	−01 32.5	19.0	−0.92	−	4.5	3.4/27.5	33844
2000 XX_{45}	2002 08 24.6	22 13.48	−33 05.4	17.1	−1.73	+	6.9	11.2/21.6	11011
1999 XG_{33}	2002 08 24.7	22 13.40	−03 40.6	18.3	−0.89	−	3.9	2.3/26.8	33844
2001 HU_{57}	2002 08 24.7	22 13.47	−37 00.8	19.7	−1.02	−	4.7	8.4/16.3	14435
1997 UR_{20}	2002 08 24.7	22 13.48	−05 09.7	19.0	−0.77	−	3.8	1.9/26.5	33014
1998 SE_{60}	2002 08 24.7	22 13.50	−19 37.3	17.9	−0.91	−	3.8	3.4/22.2	20705
2002 NA_{26}	2002 08 24.7	22 13.54	−05 29.1	17.1	−0.98	−	0.9	2.5/26.1	33668
1999 TK_{85}	2002 08 24.7	22 13.63	−02 39.5	18.4	−0.92	−	6.8	3.8/27.3	33098
1999 XN_{34}	2002 08 24.7	22 13.71	+09 31.1	18.9	−0.77	−	2.0	4.9/31.0	33844
1999 XL_{26}	2002 08 24.7	22 13.81	+00 40.4	18.6	−0.94	−	5.2	4.6/28.2	33843
1999 TE_{17}	2002 08 24.7	22 13.81	−25 09.6	18.5	−1.05	−	4.3	6.1/20.6	2659
2000 GO_{48}	2002 08 24.8	22 13.81	+09 06.5	19.3	−0.68	−	5.9	5.4/31.7	33873

1998 SM_{129}	2002 08 24.8	22 13.81	−09 20.2	17.9	−0.81	−	5.7	0.6/25.3	33783
1999 XB_{166}	2002 08 24.8	22 13.81	−17 28.2	17.2	−1.14	−	1.0	2.8/23.2	33849
2000 CO_{81}	2002 08 24.8	22 13.87	−11 03.7	18.9	−0.74	−	4.3	0.0/24.8	33863
1999 TY_{118}	2002 08 24.8	22 13.91	−08 27.9	19.1	−0.98	−	6.3	1.0/25.6	33829
2000 GS_{157}	2002 08 24.8	22 13.97	−08 43.6	17.2	−0.69	−	8.1	0.7/25.6	33231
2001 FC_{72}	2002 08 24.8	22 14.01	−23 04.2	19.2	−0.93	−	4.2	4.4/21.3	13315
2002 PV_{81}	2002 08 24.8	22 14.01	−09 25.3	16.4	−0.88	−	3.1	0.6/25.3	33733
2000 DU_{31}	2002 08 24.8	22 14.12	−11 01.2	19.7	−0.79	−	5.3	0.0/24.9	33865
2000 ER_{76}	2002 08 24.8	22 14.14	−24 37.2	17.8	−0.88	−	2.6	4.3/20.9	2408
2000 AD_{14}	2002 08 24.8	22 14.17	−35 14.3	17.4	−0.94	−	5.5	9.4/16.7	13091
1998 YX_{21}	2002 08 24.8	22 14.17	+03 02.4	17.3	−0.90	+	1.3	5.4/28.3	33792
2000 ED_{81}	2002 08 24.9	22 14.14	−21 43.9	18.8	−1.05	−	1.4	4.0/22.1	33869
2000 DV_{34}	2002 08 24.9	22 14.16	−11 04.4	18.1	−0.72	−	7.1	0.0/24.9	33865
2000 FY_{15}	2002 08 24.9	22 14.18	−20 04.7	19.4	−0.74	−	4.3	2.4/22.0	2439
1999 TT_{25}	2002 08 24.9	22 14.18	−20 01.9	17.7	−1.06	−	1.6	4.7/22.5	33826
2001 GN_{8}	2002 08 24.9	22 14.19	−37 47.7	19.4	−1.01	−	3.0	8.6/16.6	14427
1998 RW_{43}	2002 08 24.9	22 14.28	−11 38.4	18.6	−0.97	−	3.7	0.3/24.7	33775
2000 AM_{121}	2002 08 24.9	22 14.28	−08 02.8	18.7	−0.71	−	4.3	0.8/25.8	33857
1998 QT_{15}	2002 08 24.9	22 14.34	−02 03.3	16.9	−1.00	+	0.8	4.0/27.0	33026
1998 RB_{68}	2002 08 24.9	22 14.37	−04 36.3	18.5	−0.84	−	5.6	2.2/26.9	33039
2000 CQ_{92}	2002 08 24.9	22 14.40	−14 19.1	18.9	−0.76	−	3.2	0.9/23.9	6268
2000 DR_{40}	2002 08 24.9	22 14.41	−08 08.2	18.7	−0.70	−	6.9	0.8/25.9	33865
2001 DH_{45}	2002 08 24.9	22 14.44	−11 33.4	17.3	−0.81	−	9.5	0.3/24.7	33374
2000 DE_{37}	2002 08 24.9	22 14.50	−11 40.8	17.6	−0.76	−	9.6	0.3/24.7	33865
1998 FU_{115}	2002 08 24.9	22 14.56	−07 00.1	18.2	−1.03	−	3.9	1.7/26.1	12122
2001 FY_{155}	2002 08 25.0	22 14.52	+10 49.3	19.0	−0.85	−	5.1	7.5/01.2	33906
2000 EM_{69}	2002 08 25.0	22 14.53	−25 33.8	18.8	−0.89	−	1.7	3.9/20.9	724
1997 SH_{3}	2002 08 25.0	22 14.60	−16 14.8	18.4	−0.88	−	1.2	1.8/23.6	2628
2001 KC_{21}	2002 08 25.0	22 14.60	−48 59.3	18.8	−1.15	−	3.7	12.6/10.5	13506
2001 HX_{27}	2002 08 25.0	22 14.61	−30 01.2	18.7	−0.87	−	2.8	6.2/19.2	14431
2000 EE_{168}	2002 08 25.0	22 14.65	−27 56.1	18.7	−0.81	−	5.0	5.5/19.4	14406
2002 PN_{70}	2002 08 25.0	22 14.70	+04 28.0	18.8	−0.67	−	5.1	7.6/30.3	33732
2000 DD_{20}	2002 08 25.0	22 14.76	−09 08.9	19.3	−0.80	−	4.5	0.6/25.6	17167
1997 EV_{3}	2002 08 25.0	22 14.82	−21 49.3	18.4	−1.12	+	2.4	4.9/22.8	33011
2001 HC_{12}	2002 08 25.0	22 14.83	−03 42.2	19.2	−0.89	−	6.4	2.7/27.3	33908
2002 OK_{12}	2002 08 25.0	22 14.84	−17 28.7	16.9	−0.84	−	6.1	3.3/23.0	33704
2000 DO_{83}	2002 08 25.0	22 14.87	−17 03.2	18.5	−0.92	−	2.1	2.1/23.4	33217
2000 CN_{45}	2002 08 25.0	22 14.88	−04 02.8	19.1	−0.80	−	7.6	2.3/27.3	31897
2000 EP_{34}	2002 08 25.1	22 14.98	−34 25.7	18.0	−0.85	−	3.0	6.9/17.6	31902
2000 CH_{65}	2002 08 25.1	22 15.01	−10 04.7	17.3	−1.08	+	2.7	0.4/25.3	33863
1995 UA_{67}	2002 08 25.1	22 15.01	−14 28.3	19.9	−0.93	−	6.3	1.3/24.0	23431
2001 GV_{8}	2002 08 25.1	22 15.01	−40 52.2	18.6	−0.92	−	1.9	10.9/15.5	18316
2001 BH_{75}	2002 08 25.1	22 15.01	−09 55.9	18.6	−0.98	−	4.6	0.4/25.4	33364
1999 TB_{136}	2002 08 25.1	22 15.05	−21 06.0	18.9	−1.09	−	2.6	3.9/22.5	33830
1999 VF_{91}	2002 08 25.1	22 15.06	−22 55.9	18.3	−1.05	−	2.3	5.8/21.9	12998
2000 GN_{92}	2002 08 25.1	22 15.14	−09 39.8	19.4	−0.71	−	4.1	0.3/25.5	1606
2001 HA_{52}	2002 08 25.1	22 15.15	−21 57.1	19.2	−0.87	−	4.5	3.9/21.8	33909
2000 EY_{19}	2002 08 25.1	22 15.16	−07 52.4	18.4	−0.66	−	7.3	0.8/26.2	33867
1998 HW_{149}	2002 08 25.1	22 15.17	−19 46.6	17.7	−1.06	−	3.2	3.7/22.8	33768
2002 NF_{26}	2002 08 25.1	22 15.18	−01 05.9	17.7	−0.87	−	4.3	5.0/28.1	33668
1999 CA_{114}	2002 08 25.1	22 15.20	−00 39.4	17.8	−0.87	−	0.7	3.1/27.8	33070
1999 CA_{133}	2002 08 25.1	22 15.22	−10 44.6	18.6	−0.73	−	4.4	0.0/25.2	33802
2000 CE_{75}	2002 08 25.1	22 15.26	−11 42.0	18.7	−0.90	−	3.9	0.3/24.9	*39410*
2000 CK_{61}	2002 08 25.1	22 15.27	−01 22.3	17.3	−0.96	−	1.5	3.6/27.6	33863
1997 SE_{15}	2002 08 25.1	22 15.29	−04 46.5	19.2	−0.74	−	4.0	1.8/27.1	33762
1998 RV_{45}	2002 08 25.2	22 15.31	−10 19.0	17.6	−0.94	−	3.3	0.2/25.4	33775
2000 BK_{13}	2002 08 25.2	22 15.40	−09 45.7	20.1	−0.85	−	4.2	0.3/25.6	2334
2001 HS_{11}	2002 08 25.2	22 15.49	−19 27.8	18.2	−0.83	−	3.0	3.3/22.7	33908
1981 EH_{45}	2002 08 25.2	22 15.50	−04 21.5	19.0	−0.94	−	3.4	2.4/27.0	33750
1998 QN_{24}	2002 08 25.2	22 15.51	−05 20.5	17.8	−0.82	−	7.3	2.1/27.0	33771
1999 XO_{6}	2002 08 25.2	22 15.51	−02 48.4	19.0	−0.95	−	3.9	3.0/27.5	33842
2001 KH_{67}	2002 08 25.2	22 15.51	−15 35.7	19.4	−0.79	−	5.1	1.6/23.8	33420
2002 NJ_{32}	2002 08 25.2	22 15.61	+27 21.8	17.0	−0.72	+	12.8	21.6/03.5	34025
1992 YP_{3}	2002 08 25.3	22 15.63	−11 43.9	17.8	−0.74	−	5.1	0.3/25.0	33753
2000 DW_{51}	2002 08 25.3	22 15.63	−11 09.7	17.9	−0.77	−	5.6	0.1/25.2	33866
2001 FZ_{69}	2002 08 25.3	22 15.64	−20 53.8	20.1	−1.05	−	4.9	3.9/22.4	14422
1999 XG_{122}	2002 08 25.3	22 15.68	+23 37.0	19.4	−0.96	−	2.6	10.9/05.7	15053
2001 DH_{69}	2002 08 25.3	22 15.77	−11 27.5	18.8	−0.96	−	4.3	0.3/25.1	17561
1998 RC_{44}	2002 08 25.3	22 15.78	−13 08.5	18.0	−0.73	−	8.4	1.1/24.5	33037
1996 BS_{9}	2002 08 25.3	22 15.79	−08 19.2	18.2	−0.75	−	6.3	1.1/26.1	33758
2001 BG_{63}	2002 08 25.3	22 15.79	−09 06.7	17.9	−0.90	−	7.9	0.7/25.9	33894
1997 XG_{10}	2002 08 25.3	22 15.82	−00 18.6	18.4	−0.73	−	6.1	3.2/28.8	33763
1992 PT_{1}	2002 08 25.3	22 15.95	−12 11.9	17.6	−0.83	−	11.1	0.7/24.9	33753
2001 FF_{84}	2002 08 25.3	22 15.97	−11 29.3	20.0	−0.85	−	5.9	0.3/25.2	17582
1997 LZ_{12}	2002 08 25.3	22 15.97	−16 39.6	19.3	−0.87	−	5.4	2.1/23.6	12859
2000 DM_{9}	2002 08 25.3	22 16.02	−10 48.9	17.9	−0.76	−	5.4	0.0/25.4	33864
2000 EG_{63}	2002 08 25.4	22 16.01	−14 17.5	19.7	−0.87	−	4.4	1.1/24.4	31902
2001 FY_{46}	2002 08 25.4	22 16.09	−25 26.6	19.5	−1.03	−	1.6	5.1/21.6	13830
1998 TW_{1}	2002 08 25.4	22 16.11	−28 48.3	17.3	−0.94	−	3.8	6.7/19.8	15035
2000 CF_{81}	2002 08 25.4	22 16.11	−07 07.5	18.1	−0.86	−	0.9	1.2/26.4	33206
2000 EN_{11}	2002 08 25.4	22 16.12	−21 43.1	19.0	−0.71	−	8.9	2.8/21.5	*40473*
1999 XH_{11}	2002 08 25.4	22 16.16	−05 25.0	18.0	−1.02	−	3.5	2.2/26.9	33842
2002 PM_{56}	2002 08 25.4	22 16.17	−05 30.8	18.0	−0.88	−	4.8	2.1/27.0	33730
1999 VZ_{66}	2002 08 25.4	22 16.18	−22 47.6	18.9	−0.99	−	5.0	5.6/21.8	33134
4080 T-2	2002 08 25.4	22 16.19	−22 23.0	18.7	−0.97	−	1.5	5.3/22.3	33737
2001 FB_{28}	2002 08 25.4	22 16.19	−12 01.5	20.0	−0.80	−	7.1	0.4/25.0	13827
2002 NU_{25}	2002 08 25.4	22 16.19	−04 33.4	17.0	−0.79	−	3.3	3.3/27.3	33667
2000 DJ_{38}	2002 08 25.4	22 16.26	−09 53.7	20.2	−0.74	−	4.3	0.2/25.7	2748
2000 HU_{31}	2002 08 25.4	22 16.29	−39 22.4	19.3	−0.85	−	5.4	7.3/15.0	31909
1999 VT_{27}	2002 08 25.4	22 16.32	−22 14.8	18.3	−1.07	−	3.3	4.6/22.3	33836
1993 BB_{10}	2002 08 25.4	22 16.34	−13 35.1	21.0	−0.95	−	5.1	1.0/24.6	13536
1997 TA_{26}	2002 08 25.4	22 16.36	−33 57.8	19.2	−0.91	−	1.5	6.1/18.5	617
1999 XJ_{123}	2002 08 25.4	22 16.36	−13 53.5	18.1	−1.02	−	2.7	1.2/24.7	33848
2001 FG_{2}	2002 08 25.5	22 16.36	+00 20.0	19.5	−0.91	−	5.1	3.7/28.9	13823
2000 EQ_{126}	2002 08 25.5	22 16.37	−24 36.9	17.9	−0.91	−	1.4	4.6/21.6	33870
1999 XO_{86}	2002 08 25.5	22 16.41	−08 36.1	18.1	−0.94	−	6.1	0.9/26.2	33846
1999 TV_{177}	2002 08 25.5	22 16.44	−00 41.5	18.1	−0.91	−	7.0	4.3/28.7	33107
1998 RF_{60}	2002 08 25.5	22 16.52	−09 22.5	18.4	−0.93	−	3.8	0.5/25.9	33776
2000 AC_{56}	2002 08 25.5	22 16.62	−09 21.4	16.8	−0.90	−	3.7	0.7/25.9	33854
2002 LH_{50}	2002 08 25.5	22 16.63	−01 06.9	18.2	−0.73	−	7.3	4.8/29.0	34017
2001 FC_{71}	2002 08 25.5	22 16.64	−09 26.4	18.3	−0.74	−	8.0	0.4/26.0	33392
2001 DU_{27}	2002 08 25.5	22 16.67	−16 17.1	20.5	−1.03	−	3.2	2.1/24.1	15095

2001 FX_{152}	2002 08 25.5	22 16.69	−03 56.3	18.3	−1.00	−	1.9	3.0/27.3	33403
2001 DY_{55}	2002 08 25.5	22 16.70	−10 58.6	20.8	−0.95	−	6.1	0.1/25.5	15826
1999 XA_{244}	2002 08 25.5	22 16.73	−47 59.6	18.5	−1.16	−	2.3	12.1/12.6	14384
1994 PT_{20}	2002 08 25.5	22 16.75	−09 34.9	17.1	−0.90	−	3.8	0.5/25.9	33756
2000 CZ_{33}	2002 08 25.5	22 16.77	−12 00.0	19.1	−0.90	−	3.2	0.4/25.2	6267
2001 KO_{55}	2002 08 25.6	22 16.73	−00 46.3	19.5	−0.80	−	7.4	3.1/28.9	33911
1999 TU_{78}	2002 08 25.6	22 16.76	−16 17.1	20.9	−1.04	−	4.8	2.2/24.0	12950
2000 AD_{60}	2002 08 25.6	22 16.79	−20 24.6	17.7	−0.82	−10.8		4.3/22.0	33181
2000 AY_{51}	2002 08 25.6	22 16.88	−20 11.9	18.0	−1.06	−	2.9	3.8/23.1	33854
2000 EP_{71}	2002 08 25.6	22 16.90	−08 40.5	19.0	−0.74	−	5.3	0.7/26.3	33223
2000 AG_{43}	2002 08 25.6	22 16.92	−27 48.7	17.5	−0.90	−	9.8	6.4/19.4	33853
5071 T-2	2002 08 25.6	22 16.98	−06 12.9	17.6	−1.01	−	1.6	2.0/26.8	*38741*
2000 DS_{82}	2002 08 25.6	22 17.01	−17 53.9	17.7	−0.85	−	4.3	2.4/23.5	2388
1999 VF_{173}	2002 08 25.6	22 17.02	−25 14.2	18.5	−1.00	−	4.6	6.0/21.4	33840
2001 JK	2002 08 25.6	22 17.03	−26 00.0	18.8	−0.87	−	3.2	5.2/21.1	14436
2000 FK_3	2002 08 25.6	22 17.04	−27 45.6	17.7	−0.83	−	4.6	5.3/20.1	33871
2001 FA_{74}	2002 08 25.6	22 17.09	−13 13.8	18.4	−0.85	−	6.0	0.9/24.9	13835
2000 FQ_{43}	2002 08 25.6	22 17.10	−07 35.3	18.2	−0.72	−	8.3	0.9/26.8	31906
1999 YD_{14}	2002 08 25.6	22 17.11	−13 19.3	17.8	−0.87	−	7.4	1.2/24.8	33176
2000 DN_5	2002 08 25.6	22 17.14	−63 09.3	19.0	−1.49	−	3.2	14.0/08.0	*40460*
2000 AL_{44}	2002 08 25.7	22 17.06	−14 05.7	20.1	−0.85	−	4.8	1.2/24.7	2711
2000 CN_{26}	2002 08 25.7	22 17.13	−09 46.8	18.6	−0.81	−	5.2	0.3/26.0	*40448*
2000 CP_9	2002 08 25.7	22 17.13	−03 12.4	18.6	−0.85	−	3.2	2.4/28.0	33199
2001 FV_{163}	2002 08 25.7	22 17.13	−08 48.0	20.0	−0.90	−	6.7	0.7/26.3	13374
2000 EA_{129}	2002 08 25.7	22 17.15	−13 32.3	18.7	−0.80	−	5.4	0.9/24.8	33870
2000 EN_{50}	2002 08 25.7	22 17.26	−39 04.1	18.0	−1.60	+	5.1	11.7/19.4	9789
1999 XO_{69}	2002 08 25.7	22 17.34	−31 01.6	18.3	−0.94	−	5.2	7.0/19.2	14380
1999 US_{24}	2002 08 25.7	22 17.36	+00 36.5	17.4	−0.83	−	3.6	6.1/29.2	33835
2000 CJ_{100}	2002 08 25.7	22 17.36	−11 32.0	20.2	−0.78	−	4.6	0.3/25.5	4558
2001 HU_{31}	2002 08 25.7	22 17.43	+22 31.9	18.6	−0.80	−	4.8	10.8/07.0	33909
2001 KL_{10}	2002 08 25.7	22 17.44	+04 50.5	18.1	−0.73	−	5.4	4.8/31.0	33911
2001 KK_{56}	2002 08 25.7	22 17.46	+06 39.1	19.1	−0.77	−	6.5	4.9/31.6	33912
1994 YK_2	2002 08 25.7	22 17.46	−22 05.2	18.5	−0.83	−	4.7	3.3/22.2	13542
2000 AD_{191}	2002 08 25.8	22 17.49	−11 42.3	20.7	−0.79	−	7.7	0.3/25.5	23513
1995 US_{14}	2002 08 25.8	22 17.50	−09 36.8	17.7	−0.86	−	3.4	0.5/26.1	33005
1998 RY_{40}	2002 08 25.8	22 17.50	−08 54.4	17.3	−0.62	−12.9		0.8/26.5	33037
1999 TU_{112}	2002 08 25.8	22 17.51	−02 33.9	19.1	−1.02	−	4.5	3.2/28.1	33829
1999 TJ_{178}	2002 08 25.8	22 17.52	−07 54.2	18.6	−1.04	−	2.7	1.3/26.5	33831
2001 FM_{151}	2002 08 25.8	22 17.53	−29 46.9	18.4	−1.02	−	5.4	6.6/19.9	14425
2001 HZ_5	2002 08 25.8	22 17.55	−36 37.6	17.7	−0.93	−	1.8	7.8/17.8	13411
2000 AF_{227}	2002 08 25.8	22 17.56	−09 12.6	18.2	−0.76	−	3.4	0.4/26.3	33859
1998 KX_{34}	2002 08 25.8	22 17.63	+00 30.8	18.1	−0.89	−	7.8	4.6/29.5	33768
1998 YX_8	2002 08 25.8	22 17.65	−15 30.0	19.3	−0.80	−	5.3	1.7/24.3	6820
1991 TE_{14}	2002 08 25.8	22 17.69	−46 15.7	17.6	−1.35	+	3.7	11.9/16.5	13535
1996 YV	2002 08 25.8	22 17.74	−14 46.3	18.6	−0.94	−	7.2	1.6/24.6	33760
1999 EQ	2002 08 25.8	22 17.76	−10 49.7	19.9	−0.78	−	3.7	0.1/25.8	20724
2000 DB_3	2002 08 25.8	22 17.77	−30 10.9	16.7	−0.95	−	0.4	6.2/20.5	31899
2002 NX_{25}	2002 08 25.8	22 17.80	−12 59.3	18.9	−0.75	−11.3		1.0/25.0	33668
2000 DQ_{63}	2002 08 25.8	22 17.81	−11 02.1	17.0	−0.83	−	1.6	0.1/25.8	2751
1998 YS_{21}	2002 08 25.8	22 17.85	−06 05.3	19.6	−0.74	−	3.3	1.2/27.3	6221
2000 DW_{39}	2002 08 25.8	22 17.85	−08 52.3	18.0	−0.86	−	1.7	0.6/26.4	33865
2001 FS_{104}	2002 08 25.8	22 17.85	−19 09.1	18.5	−1.04	−	5.9	3.4/23.4	13840
1998 SF_{167}	2002 08 25.8	22 17.85	−15 29.7	17.6	−0.68	−	9.3	2.3/24.1	33054
1987 DL_6	2002 08 25.9	22 17.80	−15 04.7	17.9	−1.06	−	2.9	1.7/24.7	33751
2001 KT_{63}	2002 08 25.9	22 17.83	−15 58.8	19.6	−0.86	−	6.8	1.7/24.2	14449
2001 HL_{33}	2002 08 25.9	22 17.93	−08 56.0	19.3	−0.75	−	4.5	0.5/26.4	33909
2001 FV_{119}	2002 08 25.9	22 17.93	−33 59.7	17.4	−1.12	+	1.0	10.3/19.6	31945
2001 FZ_{28}	2002 08 25.9	22 18.01	−17 22.5	18.4	−0.87	−	5.9	2.6/23.8	13827
1999 WM_1	2002 08 25.9	22 18.02	−19 37.8	17.3	−0.98	−	6.3	3.8/23.1	33841
2001 FY_{100}	2002 08 25.9	22 18.02	+02 00.8	21.1	−0.80	−	7.9	3.9/30.3	13840
2001 FJ_{157}	2002 08 25.9	22 18.03	−24 00.2	17.6	−0.86	−	5.9	6.1/21.6	33906
1990 VH_3	2002 08 25.9	22 18.13	−04 40.0	17.7	−0.93	−	4.4	2.2/27.7	33752
2000 DR_{19}	2002 08 25.9	22 18.21	−12 17.7	19.0	−0.83	−	4.2	0.6/25.5	14398
2000 BD_{27}	2002 08 26.0	22 18.21	−20 08.6	18.6	−0.84	−	6.2	3.4/22.9	33860
2000 AU_{159}	2002 08 26.0	22 18.24	−16 32.8	18.7	−0.96	−	5.9	2.4/24.2	33191
1999 TK_{172}	2002 08 26.0	22 18.25	−16 31.0	19.7	−1.02	−	6.1	2.6/24.2	33831
2001 DL_7	2002 08 26.0	22 18.26	−19 44.8	18.0	−0.88	−	3.9	3.9/23.3	33896
1999 XP_{89}	2002 08 26.0	22 18.28	−23 43.9	18.3	−0.88	−	7.1	4.5/21.6	33846
1990 VO_8	2002 08 26.0	22 18.29	−15 19.3	17.2	−0.79	−	9.5	2.1/24.3	33752
2002 NP_{56}	2002 08 26.0	22 18.29	−06 49.1	16.2	−0.45	−	8.4	2.0/27.5	33693
1998 XY_{24}	2002 08 26.0	22 18.29	−33 52.7	18.4	−0.83	−	5.2	9.7/17.7	25722
1981 EW_{25}	2002 08 26.0	22 18.31	−20 22.3	19.0	−1.07	−	2.0	3.3/23.4	1404
2001 DM_{53}	2002 08 26.0	22 18.35	−10 02.9	19.1	−0.92	−	5.9	0.2/26.2	33898
1999 VK_{170}	2002 08 26.0	22 18.38	−11 10.0	19.6	−0.96	−	5.0	0.2/25.9	15647
1999 XX_{257}	2002 08 26.0	22 18.46	−30 59.2	19.2	−0.94	−	4.0	6.2/19.6	13640
2001 FW_{14}	2002 08 26.0	22 18.49	−10 05.5	21.3	−0.94	−	5.1	0.2/26.2	15095
2000 EG_1	2002 08 26.0	22 18.51	−08 16.7	19.3	−0.76	−	3.4	0.7/26.8	17180
1999 VZ_{165}	2002 08 26.0	22 18.55	−22 06.6	18.3	−1.04	−	2.9	4.8/22.9	13625
2001 FB_{21}	2002 08 26.0	22 18.59	−01 55.8	18.8	−0.96	−	6.0	3.5/28.7	33901
1999 TE_{247}	2002 08 26.1	22 18.57	+00 20.8	19.3	−0.90	−	6.5	4.2/29.5	11604
2001 HE_{54}	2002 08 26.1	22 18.58	−21 29.3	19.4	−0.78	−	8.6	3.2/22.3	14435
1997 SB_{35}	2002 08 26.1	22 18.59	+03 06.5	18.9	−0.76	−	4.4	4.3/30.4	33762
2000 CO_{20}	2002 08 26.1	22 18.59	−06 59.9	18.3	−0.84	−	3.6	1.3/27.1	19499
1999 TT_{176}	2002 08 26.1	22 18.61	−13 59.0	18.5	−1.00	−	4.0	1.4/25.2	33831
1997 GC	2002 08 26.1	22 18.65	−14 45.9	19.5	−0.94	−	3.8	1.5/24.9	13551
1998 SE_{139}	2002 08 26.1	22 18.66	+07 26.4	19.2	−0.79	−	6.1	6.1/01.1	33783
1999 XP_{25}	2002 08 26.1	22 18.79	−24 18.9	18.0	−0.97	−	5.4	5.3/21.9	33843
2001 KZ_{38}	2002 08 26.1	22 18.85	+18 39.6	17.2	−0.70	−	5.1	8.4/06.0	33911
2002 KC_4	2002 08 26.1	22 18.92	−34 36.9	17.6	−0.83	−	6.8	10.8/17.6	34010
1999 XZ_{92}	2002 08 26.1	22 18.93	−31 26.6	16.7	−0.83	−	8.2	8.2/18.5	33846
2000 AU_{46}	2002 08 26.1	22 18.95	−09 45.8	17.3	−0.90	−	5.0	0.3/26.4	33180
1994 TB_3	2002 08 26.1	22 18.96	−30 08.0	16.9	−1.14	+	0.3	7.9/21.1	33756
1999 XS_{175}	2002 08 26.1	22 18.97	−17 45.2	19.1	−0.96	−	3.8	2.5/24.1	33168
1999 VO_{173}	2002 08 26.2	22 18.94	−10 27.0	19.2	−0.93	−	4.2	0.0/26.2	33840
1998 ST_{47}	2002 08 26.2	22 18.94	−07 42.8	19.1	−0.83	−	5.0	1.1/27.1	29016
1995 OE_6	2002 08 26.2	22 18.95	−13 00.7	20.2	−0.95	−	6.8	0.9/25.4	*36516*
2000 DE_{42}	2002 08 26.2	22 18.97	−10 17.3	17.8	−0.71	−	8.0	0.1/26.3	33865
1997 AM_3	2002 08 26.2	22 19.05	−16 28.0	19.2	−0.93	−	6.6	2.2/24.4	13549
2000 CS_{54}	2002 08 26.2	22 19.05	−04 14.8	19.2	−0.68	−	8.1	1.6/28.4	*40452*
1998 TJ_{16}	2002 08 26.2	22 19.06	−38 29.4	18.0	−1.04	−	2.5	12.5/16.2	31838
2121 P-L	2002 08 26.2	22 19.12	−25 52.7	19.4	−1.11	−	0.9	5.6/22.2	34056
1999 XA_{15}	2002 08 26.2	22 19.13	−49 27.4	16.7	−1.12	−	4.4	15.4/10.8	13628

2001 DL_{70}	2002 08 26.2	22 19.15	−12 27.2	18.8	−0.96	−	4.7	0.7/25.7	33898
1999 TA_{210}	2002 08 26.2	22 19.16	−11 42.8	18.9	−0.94	−	7.8	0.5/25.9	33111
2000 DC_{71}	2002 08 26.2	22 19.17	−01 37.5	17.7	−0.66	−	8.1	2.7/29.4	33866
2000 AD_{76}	2002 08 26.2	22 19.17	+01 35.8	17.5	−0.88	−	5.6	5.2/30.0	33855
1999 VS_{24}	2002 08 26.2	22 19.20	−15 13.7	18.7	−0.97	−	5.0	1.7/24.9	33836
1978 VQ_{6}	2002 08 26.2	22 19.21	−13 24.2	18.9	−0.81	−	4.1	0.9/25.4	33749
1977 JA	2002 08 26.2	22 19.21	+31 42.7	18.1	−0.98	−	5.0	15.4/14.1	33749
2000 AD_{98}	2002 08 26.2	22 19.25	−18 43.5	19.0	−0.74	−	4.4	2.2/23.7	33856
1999 TJ_{239}	2002 08 26.2	22 19.26	−25 28.7	18.8	−1.04	−	5.1	5.5/21.7	13615
2001 HE_{3}	2002 08 26.2	22 19.31	−14 21.0	18.5	−0.77	−	4.5	1.3/25.1	33407
1999 UU_{24}	2002 08 26.3	22 19.26	−02 19.1	18.6	−0.99	−	4.9	3.2/28.6	33122
1995 SR_{19}	2002 08 26.3	22 19.29	−13 24.4	18.9	−0.98	−	4.8	1.1/25.5	33757
1999 TX_{225}	2002 08 26.3	22 19.29	−11 32.4	18.6	−0.97	−	4.7	0.4/26.0	12177
1999 XH_{172}	2002 08 26.3	22 19.32	−12 41.5	19.3	−1.03	−	4.3	1.0/25.7	4546
1999 VG_{167}	2002 08 26.3	22 19.33	−14 53.7	18.3	−1.01	−	3.9	1.9/25.1	33840
1999 XL_{140}	2002 08 26.3	22 19.38	−14 47.0	19.1	−0.84	−	6.3	1.8/24.9	33166
1999 XQ_{135}	2002 08 26.3	22 19.44	−00 47.6	16.5	−0.69	−	5.9	5.2/29.6	33166
2000 ED_{175}	2002 08 26.3	22 19.47	−21 55.3	17.9	−0.75	−	8.8	4.1/22.2	33871
2000 FV_{73}	2002 08 26.3	22 19.48	−13 46.3	18.9	−0.68	−	8.7	0.9/25.2	3932
1998 XS_{71}	2002 08 26.3	22 19.55	−16 42.7	20.1	−0.95	−	3.3	2.1/24.6	16890
2002 NR_{25}	2002 08 26.3	22 19.60	−14 10.8	16.5	−0.61	−12.2		1.7/24.9	33667
1999 VS_{145}	2002 08 26.3	22 19.63	−10 20.8	20.4	−0.92	−	5.6	0.0/26.4	14377
1999 UQ_{1}	2002 08 26.3	22 19.69	−24 14.2	17.9	−1.03	−	4.6	5.6/22.3	13616
2000 AO_{22}	2002 08 26.4	22 19.64	−26 35.0	17.9	−0.88	−	4.9	5.4/21.3	33853
2000 DU_{28}	2002 08 26.4	22 19.64	−10 18.1	17.9	−0.75	−	5.1	0.0/26.4	33865
2001 HD_{36}	2002 08 26.4	22 19.65	−36 40.2	18.4	−1.02	−	1.2	8.6/18.6	31947
1999 YC_{3}	2002 08 26.4	22 19.65	−13 57.8	17.1	−1.59	+	7.8	1.8/25.9	33175
1998 QY_{96}	2002 08 26.4	22 19.71	+04 30.6	18.9	−1.50	+	7.0	6.3/28.0	33032
2001 FV_{45}	2002 08 26.4	22 19.72	−07 45.1	19.4	−0.98	−	6.1	1.1/27.2	14422
1999 TE_{245}	2002 08 26.4	22 19.73	+33 14.5	17.0	−1.10	+11.2		23.2/01.2	33833
2000 DV_{36}	2002 08 26.4	22 19.74	−10 57.8	18.7	−0.79	−	6.2	0.2/26.2	33865
1999 TO_{172}	2002 08 26.4	22 19.79	−02 00.2	19.1	−0.98	−	4.5	3.2/28.9	33831
1999 XG_{25}	2002 08 26.4	22 19.86	−32 11.5	18.3	−1.05	−	5.7	9.1/19.1	16043
2001 FZ_{168}	2002 08 26.4	22 19.90	−25 45.4	18.2	−0.79	−	4.8	5.3/21.5	14426
1998 RN_{76}	2002 08 26.4	22 19.93	−19 35.3	16.9	−0.79	−	1.8	4.7/23.8	33777
1999 XS_{3}	2002 08 26.4	22 19.94	−22 49.4	19.3	−0.97	−	6.1	4.3/22.6	14379
2000 WL_{54}	2002 08 26.4	22 19.97	+21 33.8	19.6	−1.13	−	1.3	10.4/05.3	9873
1995 UE_{18}	2002 08 26.4	22 20.04	−05 19.0	19.9	−0.92	−	5.7	2.2/28.0	15019
2001 FY_{193}	2002 08 26.4	22 20.05	−28 58.3	20.7	−0.89	−	5.7	5.4/20.5	23619
2000 AA_{192}	2002 08 26.5	22 20.02	−04 06.9	17.4	−0.89	−	9.0	2.5/28.0	33859
1995 SN_{42}	2002 08 26.5	22 20.04	−15 35.3	19.4	−1.00	−	5.2	2.0/25.0	14740
2000 EK_{97}	2002 08 26.5	22 20.05	+04 01.6	18.9	−0.70	−	4.5	3.8/31.2	33869
9084 P-L	2002 08 26.5	22 20.11	−02 03.3	17.3	−0.66	−	5.4	4.1/29.3	34057
1979 MM_{7}	2002 08 26.5	22 20.24	−09 20.0	18.6	−0.92	−	8.2	0.5/26.9	33750
1998 FP_{43}	2002 08 26.5	22 20.27	−07 28.5	18.6	−0.96	−	7.0	1.3/27.5	33765
2000 DF_{39}	2002 08 26.5	22 20.38	−06 00.3	18.7	−0.70	−	4.9	1.2/28.0	*39452*
2000 EM_{133}	2002 08 26.6	22 20.35	−11 12.8	18.4	−0.77	−	5.2	0.3/26.3	33870
2000 CX_{55}	2002 08 26.6	22 20.36	−13 17.4	17.1	−0.76	−	9.0	1.1/25.6	33862
1999 XV_{226}	2002 08 26.6	22 20.46	−15 19.5	18.9	−0.82	−	6.5	2.0/25.0	6982
2000 CR_{21}	2002 08 26.6	22 20.47	−06 57.6	20.6	−0.84	−	5.7	1.1/27.7	6998
2000 AQ_{68}	2002 08 26.6	22 20.48	−27 06.4	20.3	−0.90	−	5.9	4.9/21.2	14387
1999 XG_{7}	2002 08 26.6	22 20.51	−18 35.0	18.9	−0.94	−	4.1	2.9/24.2	33842
2000 CU_{28}	2002 08 26.6	22 20.58	−12 38.2	18.5	−0.69	−	7.7	0.6/25.8	33862
2002 OP	2002 08 26.6	22 20.62	+05 21.4	17.0	−0.88	−	2.5	6.7/31.4	33694
2000 GA_{9}	2002 08 26.6	22 20.63	−11 47.4	19.8	−0.75	−	4.6	0.4/26.2	1267
2001 FN_{51}	2002 08 26.6	22 20.63	−04 29.0	19.2	−0.85	−	7.8	2.2/28.6	33903
2001 FL_{36}	2002 08 26.6	22 20.67	−08 14.8	19.3	−0.95	−	5.5	0.7/27.3	33902
2001 HF_{27}	2002 08 26.6	22 20.68	−21 07.6	18.0	−0.80	−	3.4	3.4/23.4	33909
2001 HV_{12}	2002 08 26.6	22 20.69	−23 23.9	18.3	−0.89	−	4.1	4.6/22.7	33908
2001 HF_{21}	2002 08 26.6	22 20.70	−22 17.8	18.4	−1.03	−	3.6	4.7/23.2	33908
1997 SU_{7}	2002 08 26.6	22 20.73	−16 48.0	18.8	−0.84	−	2.1	1.9/24.8	33762
2000 ET_{155}	2002 08 26.6	22 20.73	−05 11.9	18.3	−0.83	−	1.8	1.5/28.1	33870
1998 SJ_{15}	2002 08 26.6	22 20.73	−12 02.7	18.1	−0.94	−	2.1	0.7/26.2	33778
2000 CQ_{93}	2002 08 26.7	22 20.73	−05 54.9	17.5	−0.87	−	3.9	1.9/28.0	33864
2001 FQ_{33}	2002 08 26.7	22 20.79	−02 09.4	18.3	−0.80	−	9.2	2.9/29.6	33902
2000 WP_{124}	2002 08 26.7	22 20.87	−52 34.8	18.9	−1.46	−	5.4	17.1/09.4	13798
2000 DC_{55}	2002 08 26.7	22 20.95	−12 43.4	18.3	−0.83	−	4.0	0.8/26.0	33214
2001 BT_{53}	2002 08 26.7	22 20.96	+10 34.6	18.0	−1.00	−	2.9	8.5/02.1	33893
1999 XS_{176}	2002 08 26.7	22 21.01	−16 27.7	21.4	−0.87	−	3.7	1.7/24.9	2702
2001 FQ_{151}	2002 08 26.7	22 21.07	−24 13.5	19.5	−0.91	−	6.6	4.5/22.3	13845
2000 BA_{3}	2002 08 26.7	22 21.11	−14 38.1	17.8	−0.77	−	5.6	1.5/25.4	33860
2000 FF_{22}	2002 08 26.7	22 21.12	−19 34.9	19.1	−0.74	−	4.7	2.5/23.8	*40229*
1990 TV_{1}	2002 08 26.7	22 21.13	−04 52.5	19.4	−0.91	−	4.5	1.9/28.0	3110
1999 XF_{124}	2002 08 26.7	22 21.15	−10 29.9	18.8	−1.00	−	4.0	0.1/26.7	692
2002 PL_{61}	2002 08 26.7	22 21.15	+02 15.1	19.5	−0.80	−	7.5	5.7/31.1	33731
1999 XE_{117}	2002 08 26.8	22 21.09	−07 20.8	17.8	−1.04	−	2.6	1.4/27.6	33847
2000 DC_{61}	2002 08 26.8	22 21.10	−13 11.1	18.3	−0.78	−	4.0	1.0/25.9	33866
2001 EU_{13}	2002 08 26.8	22 21.12	−19 47.0	19.3	−1.02	−	1.0	3.9/24.4	33900
1998 RQ_{70}	2002 08 26.8	22 21.13	−09 16.9	18.1	−0.78	−	8.2	0.3/27.1	33777
1998 SB_{121}	2002 08 26.8	22 21.13	−06 01.9	17.9	−0.80	−	6.6	1.4/28.2	33782
1981 EN_{3}	2002 08 26.8	22 21.16	+05 16.9	20.6	−0.83	−	6.7	4.8/32.0	15000
1998 RJ_{51}	2002 08 26.8	22 21.18	−03 30.5	18.1	−0.87	−	4.1	2.6/28.8	33776
2001 FN_{71}	2002 08 26.8	22 21.18	−20 16.0	19.1	−1.01	−	5.3	3.8/23.8	13835
1998 SE_{168}	2002 08 26.8	22 21.19	−21 16.8	17.2	−0.89	−	3.0	5.1/23.7	33785
2000 AT_{232}	2002 08 26.8	22 21.21	−19 17.7	19.0	−0.96	−	8.5	3.6/23.8	2726
2001 KD_{50}	2002 08 26.8	22 21.21	+26 02.4	18.9	−0.77	−	2.3	8.9/09.4	23620
1981 ER_{16}	2002 08 26.8	22 21.22	−13 29.2	19.1	−1.05	−	1.0	1.2/26.0	33750
1999 XV_{124}	2002 08 26.8	22 21.23	+08 49.3	18.9	−0.95	−	3.4	6.9/01.6	33848
2000 AB_{65}	2002 08 26.8	22 21.31	−02 31.0	18.1	−0.94	−	1.6	2.6/28.9	33182
2000 DU_{64}	2002 08 26.8	22 21.33	−08 54.7	17.8	−0.79	−	3.8	0.5/27.3	33216
2000 CN_{19}	2002 08 26.8	22 21.34	−06 30.9	19.0	−0.92	−	6.2	1.5/28.0	19498
1999 VL_{154}	2002 08 26.8	22 21.44	−17 27.5	18.3	−0.95	−	3.8	3.5/24.8	33840
1999 TZ_{193}	2002 08 26.8	22 21.45	−13 21.4	18.0	−1.10	−	0.1	1.5/26.1	33832
2001 FR_{64}	2002 08 26.8	22 21.47	−15 53.2	18.4	−0.85	−	4.5	2.2/25.2	33391
1998 QO_{37}	2002 08 26.8	22 21.49	−04 33.7	17.9	−0.83	−	8.3	2.3/28.8	33771
1998 SJ_{132}	2002 08 26.8	22 21.51	−08 00.7	18.0	−0.87	−	3.4	0.8/27.5	33783
1999 XX_{41}	2002 08 26.8	22 21.51	−16 23.3	17.4	−0.94	−	3.5	3.0/25.1	33844
1998 FC_{71}	2002 08 26.8	22 21.52	−06 41.5	18.2	−0.94	−	6.7	1.5/28.0	33765
2000 CC_{84}	2002 08 26.9	22 21.46	−12 17.9	17.3	−0.75	−	9.4	0.9/26.2	33863
2001 HS_{31}	2002 08 26.9	22 21.46	−16 34.2	19.8	−0.81	−	6.6	1.9/24.8	14432
1998 RY_{72}	2002 08 26.9	22 21.47	−08 33.9	18.3	−0.84	−	5.7	0.6/27.4	33777
1999 UO_{10}	2002 08 26.9	22 21.54	−44 24.3	18.4	−1.66	+	3.7	14.3/18.0	1514

2000 CP_{52}	2002 08 26.9	22 21.55	−06 03.5	16.2	−0.93	−	1.7	1.7/28.0	33862
2002 PX_{87}	2002 08 26.9	22 21.56	−06 23.5	18.1	−0.93	−	1.0	1.6/27.9	33734
2000 CP_{28}	2002 08 26.9	22 21.62	−06 41.1	19.0	−0.79	−	5.7	1.1/28.1	33862
2000 CA_{50}	2002 08 26.9	22 21.66	−01 31.9	18.4	−0.82	−	4.6	3.1/29.6	33862
2000 AU_{198}	2002 08 26.9	22 21.72	+11 09.2	18.3	−0.95	−	0.2	8.4/01.7	33859
1992 WR	2002 08 26.9	22 21.73	−20 32.7	18.2	−1.02	−	5.2	4.0/23.9	33753
2001 FQ_{159}	2002 08 26.9	22 21.77	−14 25.5	19.9	−0.88	−	4.4	1.5/25.7	23619
1999 XN_{125}	2002 08 26.9	22 21.77	−33 53.0	17.7	−1.10	−	1.3	9.1/20.6	13635
1999 VY_{51}	2002 08 26.9	22 21.87	−15 51.6	19.4	−1.00	−	4.4	2.2/25.4	33837
1997 HE_{12}	2002 08 27.0	22 21.89	−33 31.6	18.9	−1.03	−	2.1	8.5/20.3	30255
2001 KO_3	2002 08 27.0	22 21.90	−10 01.8	18.8	−0.76	−	5.2	0.1/27.1	33910
2001 HT_7	2002 08 27.0	22 21.96	−17 23.9	19.3	−0.84	−	4.4	2.4/24.8	33908
2000 BR_2	2002 08 27.0	22 21.98	+12 13.0	18.5	−1.30	+	4.0	8.9/31.2	33196
2000 CB_{51}	2002 08 27.0	22 21.99	−03 26.9	18.9	−0.85	−	1.0	1.9/28.9	33204
2000 CJ_{49}	2002 08 27.0	22 22.00	−08 10.4	18.9	−0.77	−	8.8	0.6/27.7	33204
1999 VS_{80}	2002 08 27.0	22 22.00	−01 19.6	17.8	−0.84	−	8.6	3.8/30.1	33838
2001 HZ_{40}	2002 08 27.0	22 22.02	−35 59.0	17.7	−0.77	−	7.1	8.3/17.3	15098
2001 FD_2	2002 08 27.0	22 22.02	−40 56.6	17.0	−1.02	−	1.5	13.0/16.8	13278
1992 RN_6	2002 08 27.0	22 22.06	−22 31.3	17.9	−0.92	−	1.3	4.5/23.6	33753
2001 FL_{25}	2002 08 27.0	22 22.12	−13 03.3	19.3	−1.00	−	4.1	1.0/26.3	15096
2001 HK_{13}	2002 08 27.0	22 22.14	+00 41.5	19.7	−0.80	−	7.1	3.8/30.7	33409
1998 RD_4	2002 08 27.0	22 22.17	−23 26.1	16.3	−1.32	+	8.8	6.7/25.3	33774
2001 HC_{10}	2002 08 27.0	22 22.18	−29 03.4	20.4	−0.92	−	4.0	5.5/21.3	14429
2000 FZ_{39}	2002 08 27.0	22 22.24	−08 50.2	17.4	−0.82	−	8.9	0.5/27.5	33872
2001 DJ_7	2002 08 27.1	22 22.20	−19 19.2	18.2	−0.97	−	3.3	3.4/24.6	33896
1998 QJ_{53}	2002 08 27.1	22 22.20	−07 39.8	16.6	−0.93	+	0.3	1.2/27.7	33771
1999 XH_{181}	2002 08 27.1	22 22.24	−13 54.3	18.6	−1.09	−	1.7	1.7/26.2	33850
1999 XE_{169}	2002 08 27.1	22 22.27	−18 58.9	17.9	−0.92	−	4.1	3.1/24.5	33849
2000 DH_{91}	2002 08 27.1	22 22.44	−05 57.5	17.2	−0.66	−	8.8	1.4/28.7	16053
2001 JJ_2	2002 08 27.1	22 22.47	−03 08.4	19.6	−0.69	−	6.9	2.2/29.6	13491
2001 BS_{61}	2002 08 27.1	22 22.51	−09 57.9	18.0	−0.94	−	6.5	0.1/27.2	33894
1998 RD_{74}	2002 08 27.1	22 22.54	−02 16.1	17.9	−0.84	−	4.2	3.3/29.6	33777
1998 VN_{37}	2002 08 27.1	22 22.57	+11 44.1	18.9	−0.84	−	3.4	7.7/02.9	33059
1999 VY_{189}	2002 08 27.1	22 22.60	−03 04.6	19.4	−0.95	−	6.3	3.0/29.3	17086
2001 DK_{85}	2002 08 27.2	22 22.55	−13 41.0	19.6	−0.88	−	3.9	1.4/26.2	27766
1999 XQ_{177}	2002 08 27.2	22 22.56	−22 26.5	18.7	−0.84	−	4.7	3.6/23.3	33850
1999 CF_{80}	2002 08 27.2	22 22.68	+00 07.7	17.3	−0.82	−	2.7	3.1/30.2	33069
2001 EO_5	2002 08 27.2	22 22.69	−16 35.6	19.4	−0.96	−	5.7	2.6/25.3	33900
1998 VT_4	2002 08 27.2	22 22.70	−08 26.4	19.7	−0.79	−	4.5	0.5/27.8	33787
1999 XX_{109}	2002 08 27.2	22 22.74	−10 11.5	18.9	−0.95	−	6.5	0.0/27.2	33847
1999 VS_{160}	2002 08 27.2	22 22.75	−16 30.5	18.1	−1.06	−	3.2	2.7/25.5	33840
1994 PU_9	2002 08 27.2	22 22.83	−08 06.0	18.5	−0.84	−	5.8	0.9/27.9	33755
2000 GW_{22}	2002 08 27.2	22 22.85	−03 01.3	18.5	−0.70	−	6.4	2.1/29.7	33873
2000 DW_{58}	2002 08 27.2	22 22.93	−10 35.6	18.0	−0.86	−	1.5	0.2/27.2	33214
2001 FO_{172}	2002 08 27.2	22 22.95	−25 14.5	19.0	−0.76	−	8.0	4.9/22.0	18315
2000 BM_1	2002 08 27.2	22 22.95	−13 33.8	20.5	−0.82	−	5.6	1.1/26.2	19492
1997 YQ_2	2002 08 27.2	22 22.98	+09 11.9	17.3	−0.77	−	1.5	8.0/01.9	33015
2000 DS_{60}	2002 08 27.3	22 22.93	−17 43.8	16.8	−0.90	−	0.3	2.3/25.3	33866
1995 YT_8	2002 08 27.3	22 22.95	−13 35.6	20.7	−0.95	−	5.8	1.3/26.2	6733
2001 GP_{10}	2002 08 27.3	22 22.99	−17 54.1	18.0	−0.78	−	3.5	3.1/25.0	33406
2001 ED_9	2002 08 27.3	22 23.01	−13 37.0	20.2	−0.95	−	5.5	1.2/26.3	13820
1999 XH_{89}	2002 08 27.3	22 23.03	−15 45.1	19.1	−0.86	−	5.6	1.8/25.6	33846
2002 PJ_{83}	2002 08 27.3	22 23.05	−12 55.7	17.4	−0.87	−	2.8	1.4/26.5	33733
1998 SV_{19}	2002 08 27.3	22 23.19	−09 59.0	19.1	−0.92	−	4.0	0.0/27.4	19345
2000 AY_{154}	2002 08 27.3	22 23.31	−23 51.3	18.2	−1.00	−	4.2	6.0/23.2	14191
2001 FU_{14}	2002 08 27.3	22 23.31	+00 18.8	18.5	−0.79	−	8.6	3.6/31.0	29690
2000 DO	2002 08 27.3	22 23.33	−13 47.4	19.7	−0.87	−	3.0	1.1/26.3	*40459*
1999 VL_{49}	2002 08 27.3	22 23.36	−11 41.3	17.6	−0.99	−	4.0	0.7/26.9	33837
2000 DT_{66}	2002 08 27.4	22 23.31	−08 49.4	18.0	−0.68	−	9.4	0.4/27.9	33866
2000 BT_{32}	2002 08 27.4	22 23.32	−12 15.9	19.2	−0.92	−	6.2	0.9/26.7	17148
2000 EV_{184}	2002 08 27.4	22 23.41	−17 47.3	19.0	−0.74	−	6.6	2.3/24.8	19559
2001 DF_{12}	2002 08 27.4	22 23.52	−16 31.0	18.2	−0.91	−	4.6	2.8/25.5	33896
1988 RY_{12}	2002 08 27.4	22 23.60	−06 02.8	17.2	−0.81	−	3.9	1.6/28.7	33751
2002 PH_{83}	2002 08 27.4	22 23.64	−14 07.7	17.8	−0.76	−	7.0	2.1/26.1	33733
2001 ER_{22}	2002 08 27.4	22 23.65	−09 05.1	19.4	−0.88	−	7.0	8.8/17.0	13822
1998 RZ_{18}	2002 08 27.4	22 23.70	−18 57.7	18.5	−0.95	−	4.4	3.2/24.8	14359
2001 HG_{48}	2002 08 27.5	22 23.70	−15 58.0	18.1	−0.82	−	9.8	2.0/25.4	33413
2000 AH_{68}	2002 08 27.5	22 23.70	−24 16.8	18.2	−0.98	−	7.6	6.0/22.7	2713
2002 NN_{26}	2002 08 27.5	22 23.70	−03 54.0	17.3	−1.00	+	2.2	2.8/28.9	33669
1999 XK_{11}	2002 08 27.5	22 23.73	+09 04.7	18.7	−0.95	−	3.8	7.0/02.3	33842
1995 OV_3	2002 08 27.5	22 23.76	−10 14.2	18.9	−0.96	−	7.0	0.1/27.5	33757
2001 EZ_7	2002 08 27.5	22 23.77	−15 15.2	18.5	−0.89	−	5.7	1.9/25.9	33900
2001 FM_{171}	2002 08 27.5	22 23.80	+06 49.2	16.4	−0.67	−	23.8	6.3/04.2	33907
2000 DE_{94}	2002 08 27.5	22 23.83	−13 23.2	19.2	−0.71	−	6.9	1.0/26.4	33866
1999 CG_{20}	2002 08 27.5	22 23.83	−32 29.1	18.8	−0.81	−	5.8	6.0/19.5	33796
2000 CZ_4	2002 08 27.5	22 23.85	−16 09.7	19.0	−0.87	−	7.8	2.3/25.5	33199
1999 TU_{253}	2002 08 27.5	22 23.89	+02 13.5	19.2	−0.92	−	7.2	5.0/31.4	20743
2000 CE_{19}	2002 08 27.5	22 23.89	−11 13.2	20.4	−0.80	−	5.7	0.4/27.2	2345
1999 XF_{42}	2002 08 27.5	22 23.92	−09 49.8	19.8	−0.97	−	4.9	0.1/27.6	14799
2001 EO	2002 08 27.5	22 23.96	−16 04.3	19.1	−0.94	−	3.8	2.1/25.8	13267
2001 FP_{76}	2002 08 27.5	22 23.98	−10 59.4	20.3	−0.91	−	7.0	0.3/27.3	13836
1999 XX_{101}	2002 08 27.5	22 23.98	−03 37.5	17.0	−0.85	−	3.4	2.1/29.5	33847
2000 YC_{133}	2002 08 27.5	22 24.01	−14 44.0	18.6	−0.93	−	7.8	1.7/26.1	13803
1996 HM_{10}	2002 08 27.5	22 24.02	+06 26.9	18.8	−0.80	−	5.9	5.1/01.9	33759
1999 XU_{122}	2002 08 27.5	22 24.08	−10 02.7	18.9	−1.01	−	3.5	0.0/27.6	33848
1998 RN_{53}	2002 08 27.6	22 24.05	−04 38.3	18.0	−0.84	−	5.4	2.1/29.3	33776
2000 YY_{103}	2002 08 27.6	22 24.07	−15 41.1	19.0	−0.97	−	5.0	2.1/25.9	33890
2000 AT_{13}	2002 08 27.6	22 24.13	+08 57.9	18.2	−0.93	−	2.6	6.6/02.3	33853
1999 RB_{92}	2002 08 27.6	22 24.14	−13 00.4	18.3	−1.08	−	3.2	1.4/26.8	33819
1999 TV_{119}	2002 08 27.6	22 24.20	−09 20.9	18.4	−1.03	−	4.6	10.3/08.0	33829
2002 NO_{26}	2002 08 27.6	22 24.20	−05 55.3	17.6	−1.00	−	1.8	1.8/28.7	33669
2000 EZ_{56}	2002 08 27.6	22 24.21	−04 36.4	19.3	−0.71	−	5.0	1.5/29.4	33868
1998 SF_4	2002 08 27.6	22 24.27	−14 08.0	18.3	−0.90	−	2.6	1.8/26.5	33041
2000 AP_{248}	2002 08 27.6	22 24.30	−10 39.2	18.9	−0.77	−	9.2	0.2/27.4	18228
2000 FS_{71}	2002 08 27.6	22 24.31	−00 09.1	19.1	−0.71	−	6.4	2.9/31.0	33872
1995 YH_5	2002 08 27.6	22 24.35	−20 31.0	19.3	−0.93	−	5.5	3.9/24.4	12851
2000 DC_{30}	2002 08 27.6	22 24.36	−08 49.3	19.1	−0.74	−	4.9	0.4/28.0	33865
2001 JQ_7	2002 08 27.6	22 24.36	−14 11.5	18.5	−0.81	−	6.1	1.5/26.3	14283
2000 DN_{104}	2002 08 27.6	22 24.45	−19 02.2	18.6	−0.81	−	7.0	3.1/24.6	33867
2000 EY_{133}	2002 08 27.7	22 24.39	−21 06.5	17.7	−0.90	−	1.9	3.7/24.5	33870
2000 EQ_{118}	2002 08 27.7	22 24.41	−23 19.3	18.4	−0.87	−	2.5	4.0/23.8	31904
2000 EY_{152}	2002 08 27.7	22 24.41	−19 41.2	18.9	−0.85	−	2.1	2.9/24.9	33870

1995 SY	2002 08 27.7	22 24.43	−12 16.1	18.6	−0.90	−	8.0	0.9/27.0	11472
1999 VX_{17}	2002 08 27.7	22 24.43	−01 13.9	20.1	−0.95	−	5.5	3.3/30.4	33836
2000 BP_{12}	2002 08 27.7	22 24.51	−10 30.3	19.0	−0.74	−	4.0	0.2/27.6	33860
2001 CJ_{32}	2002 08 27.7	22 24.55	−28 53.0	18.3	−1.01	−	2.4	6.4/22.5	13811
1993 FG_{14}	2002 08 27.7	22 24.55	−23 30.2	17.9	−1.00	−	2.8	5.1/24.0	33754
1997 QW_3	2002 08 27.7	22 24.58	−11 36.1	17.5	−0.75	−	4.8	0.7/27.2	33762
2001 FJ_{134}	2002 08 27.7	22 24.61	−16 24.7	18.9	−0.87	−	6.0	2.5/25.7	33401
2001 KR_{28}	2002 08 27.7	22 24.62	−00 41.5	18.3	−0.81	−	4.3	3.1/30.6	33911
1999 XQ_{134}	2002 08 27.7	22 24.64	−47 18.2	19.0	−1.18	−	6.1	11.5/13.1	15053
1995 WK	2002 08 27.7	22 24.66	−23 46.0	18.8	−0.98	−	5.3	5.4/23.4	13544
2001 FL_{141}	2002 08 27.7	22 24.69	−16 08.3	17.6	−0.78	−	4.3	2.4/25.9	33906
1999 VY_{98}	2002 08 27.7	22 24.70	−07 07.1	18.6	−0.92	−	5.9	1.0/28.6	33839
1999 TP_{11}	2002 08 27.7	22 24.70	−24 22.3	17.2	−1.01	−	5.8	6.2/23.2	33826
2001 HB_{55}	2002 08 27.7	22 24.72	−28 12.6	18.1	−0.82	−	4.9	6.2/21.7	14435
1995 SS_{32}	2002 08 27.7	22 24.80	−07 20.7	20.1	−0.89	−	8.4	1.0/28.6	20681
2000 AH_{25}	2002 08 27.8	22 24.74	−09 29.1	17.8	−0.98	−	4.4	10.5/08.0	14805
2000 FK_{25}	2002 08 27.8	22 24.75	−01 17.0	18.9	−0.68	−	5.9	2.4/30.7	33872
1998 RN_{26}	2002 08 27.8	22 24.77	−09 18.3	18.1	−0.71	−13.6		11.2/08.0	33035
2000 CV_{118}	2002 08 27.8	22 24.79	−09 23.3	18.9	−0.81	−	4.2	8.6/08.0	10596
2001 CC_{17}	2002 08 27.8	22 24.86	−17 52.4	19.1	−1.02	−	4.7	3.4/25.5	33895
2001 FX_{52}	2002 08 27.8	22 24.88	−03 09.5	19.3	−0.96	−	4.8	2.6/29.8	33903
1999 YZ_3	2002 08 27.8	22 24.94	−51 54.6	21.1	−1.27	−	2.0	10.4/12.7	1559
2001 FU_{12}	2002 08 27.8	22 24.95	−19 08.7	18.5	−0.97	−	3.6	3.6/25.2	14420
2001 FK_{142}	2002 08 27.8	22 24.95	−00 37.7	20.5	−0.92	−	6.7	3.6/30.8	13350
2000 FW_{19}	2002 08 27.8	22 25.09	−25 40.4	17.2	−0.79	−	5.1	5.0/22.6	14407
1999 XE_{78}	2002 08 27.8	22 25.20	−15 14.2	19.6	−0.98	−	5.7	2.0/26.3	14162
1999 XP_{238}	2002 08 27.9	22 25.11	−00 43.1	19.5	−0.91	−	4.9	3.3/30.7	17116
2001 BU_{35}	2002 08 27.9	22 25.23	+24 59.1	18.9	−1.08	−	1.8	11.4/08.5	13806
1999 VW_{79}	2002 08 27.9	22 25.24	−12 15.5	19.6	−1.00	−	4.5	0.9/27.2	12995
1090 T-3	2002 08 27.9	22 25.28	−20 20.7	18.5	−1.11	+	2.5	4.7/25.7	34059
2001 HD_{14}	2002 08 27.9	22 25.36	−33 10.2	21.1	−1.00	−	3.8	7.5/20.8	13427
1998 FL_{72}	2002 08 27.9	22 25.36	−10 38.2	18.6	−1.02	−	4.8	10.6/17.0	12121
1997 WH_{22}	2002 08 27.9	22 25.39	+11 46.0	17.6	−0.77	−	0.5	9.2/03.2	33015
2000 DL_{33}	2002 08 27.9	22 25.42	−07 56.4	19.4	−0.68	−	7.4	0.6/28.6	33212
1999 XA_{205}	2002 08 27.9	22 25.47	−21 27.5	18.7	−0.92	−	3.0	3.5/24.6	33850
1997 RA_1	2002 08 27.9	22 25.48	−15 18.4	17.7	−0.85	−	2.1	1.7/26.4	33762
2001 GU_9	2002 08 27.9	22 25.50	−47 56.8	18.0	−1.04	−	1.0	12.1/14.9	14428
1998 ST_{130}	2002 08 27.9	22 25.54	+05 36.3	17.9	−0.76	−	7.3	5.1/02.4	33783
2000 DO_3	2002 08 27.9	22 25.54	−20 31.5	19.5	−0.79	−	3.3	2.9/24.7	4559
1997 AS_{13}	2002 08 27.9	22 25.56	−08 00.9	17.1	−1.02	−	0.9	0.9/28.5	33760
1998 HA_6	2002 08 28.0	22 25.51	−23 41.7	18.7	−1.07	−	4.4	5.6/24.0	12122
1999 XQ_{46}	2002 08 28.0	22 25.60	−19 41.2	17.3	−0.86	−	5.1	5.1/24.9	33844
2002 PQ_{83}	2002 08 28.0	22 25.65	−14 00.0	18.3	−0.82	−	4.3	1.4/26.8	33733
2000 EK_{116}	2002 08 28.0	22 25.66	−26 01.3	17.8	−0.85	−	8.1	5.3/22.3	33869
1999 XF_{146}	2002 08 28.0	22 25.67	−06 42.9	20.4	−0.93	−	5.6	1.1/29.0	13636
1998 SV_{58}	2002 08 28.0	22 25.71	−06 36.6	18.0	−0.83	−	6.9	1.1/29.1	33779
2001 BS_{69}	2002 08 28.0	22 25.83	−17 13.8	19.1	−0.93	−	7.1	2.6/25.7	13808
2001 FQ_{13}	2002 08 28.0	22 25.90	−17 34.4	19.9	−0.99	−	2.6	2.9/26.0	13283
1999 TH_6	2002 08 28.1	22 25.88	−20 45.8	18.3	−1.08	−	3.9	4.4/25.1	13609
1998 TN_1	2002 08 28.1	22 25.90	−19 10.5	19.0	−0.89	−	3.3	3.6/25.4	12907
1999 XO_{10}	2002 08 28.1	22 25.98	−13 54.6	18.4	−1.07	−	2.6	1.6/27.0	33842
1999 WJ_3	2002 08 28.1	22 25.98	+00 10.0	18.0	−0.96	−	3.4	3.9/31.0	33841
2000 AT_{43}	2002 08 28.1	22 26.01	−14 18.5	19.1	−0.91	−	6.5	1.9/26.7	14386
1999 XZ_{169}	2002 08 28.1	22 26.05	−16 01.3	18.7	−0.93	−	4.3	2.2/26.3	33849
1999 VZ_{33}	2002 08 28.1	22 26.10	+01 08.5	19.6	−0.91	−	5.6	4.1/31.5	33837
2001 FH_{51}	2002 08 28.1	22 26.12	−06 15.2	19.4	−0.84	−	6.2	1.3/29.3	33903
2000 AR_{95}	2002 08 28.1	22 26.13	−07 45.6	18.4	−0.88	−	2.9	0.7/28.7	33185
1998 WQ_2	2002 08 28.1	22 26.20	+03 28.3	19.0	−0.80	−	5.9	4.1/01.5	33789
6126 P-L	2002 08 28.1	22 26.22	−16 37.0	17.6	−1.03	−	1.1	3.4/26.4	34057
2001 KB_9	2002 08 28.1	22 26.24	−04 48.2	19.3	−0.79	−	5.3	1.5/29.8	33910
2000 AX_{16}	2002 08 28.1	22 26.24	−25 08.2	18.7	−0.90	−	5.8	5.1/23.2	33853
2000 EB_{137}	2002 08 28.1	22 26.24	−21 12.8	18.6	−0.86	−	2.4	3.4/24.8	33870
1998 SP_{137}	2002 08 28.2	22 26.24	−16 56.9	18.7	−0.86	−	5.8	2.4/25.9	33783
1998 FB_{147}	2002 08 28.2	22 26.24	−01 00.9	17.7	−0.87	−	7.7	4.0/31.1	33020
1998 QQ_{72}	2002 08 28.2	22 26.25	+03 46.1	18.4	−0.78	−	9.5	4.8/02.1	30275
2000 DB_{38}	2002 08 28.2	22 26.30	−10 01.4	18.5	−0.80	−	4.2	0.1/28.1	33865
2000 DJ_{16}	2002 08 28.2	22 26.33	−26 15.9	17.8	−0.93	−	1.0	4.9/23.6	33865
2001 AP_{46}	2002 08 28.2	22 26.35	−55 04.2	20.0	−1.34	−	2.3	12.9/13.2	12271
1999 XM_{176}	2002 08 28.2	22 26.38	−27 23.6	17.3	−0.93	−	5.0	6.5/22.5	33850
1999 VW_{46}	2002 08 28.2	22 26.45	+23 00.3	19.2	−0.88	−	7.2	10.3/10.0	33837
1999 VB_{143}	2002 08 28.2	22 26.47	−19 19.6	19.3	−1.04	−	3.4	3.8/25.6	13001
2001 KG_{22}	2002 08 28.2	22 26.48	+07 17.8	18.3	−0.83	−	4.0	5.6/02.7	33911
2002 NS_{25}	2002 08 28.2	22 26.51	−14 18.6	16.7	−0.54	−13.3		2.1/26.4	33667
1999 VX_{121}	2002 08 28.2	22 26.55	−25 22.8	19.5	−0.97	−	4.3	7.0/23.5	7513
1999 TV_{92}	2002 08 28.2	22 26.56	−19 25.6	18.4	−0.95	−	5.4	4.7/25.3	33099
1998 RG_{63}	2002 08 28.2	22 26.62	−13 46.8	16.6	−0.62	−	9.1	2.0/26.8	33776
2001 EN_{15}	2002 08 28.2	22 26.62	−24 06.1	19.0	−0.88	−	1.8	4.8/24.3	14420
1998 SS_{125}	2002 08 28.3	22 26.57	−07 57.2	17.4	−0.67	−10.4		0.8/29.0	33052
1999 XS_{12}	2002 08 28.3	22 26.57	+06 59.9	18.2	−0.87	−	6.8	6.1/02.8	33842
2000 WD_{63}	2002 08 28.3	22 26.64	−41 57.0	18.0	−1.12	−	6.4	10.4/17.0	13797
1998 RG_{60}	2002 08 28.3	22 26.64	−01 57.5	17.8	−0.72	−	5.9	3.7/30.9	33776
1999 XZ_{203}	2002 08 28.3	22 26.69	−33 29.2	19.3	−0.93	−	3.5	7.1/20.8	31886
1992 WS_1	2002 08 28.3	22 26.69	−19 01.1	18.1	−0.76	−	4.5	2.5/25.3	33753
2000 ET_{142}	2002 08 28.3	22 26.75	+08 36.2	19.4	−0.89	−	2.8	6.1/02.7	18244
1999 TB_{208}	2002 08 28.3	22 26.76	−18 43.3	18.3	−1.33	+	2.1	3.3/26.5	33110
1999 XN_{166}	2002 08 28.3	22 26.79	−12 39.9	18.0	−1.06	−	2.6	1.2/27.6	33849
2001 HO_{60}	2002 08 28.3	22 26.79	−20 08.9	19.0	−0.79	−	7.3	3.3/24.8	15099
2000 DD_{39}	2002 08 28.3	22 26.83	−06 23.9	18.6	−0.72	−	5.0	1.0/29.4	33865
1999 TM_{109}	2002 08 28.3	22 26.84	−04 49.5	18.5	−1.07	−	3.8	2.2/29.7	13612
1999 TG_{258}	2002 08 28.3	22 26.87	−07 33.3	19.3	−0.94	−	7.8	0.9/29.1	12964
1999 TZ_{164}	2002 08 28.3	22 26.88	−08 12.1	18.8	−1.09	−	2.8	0.7/28.8	12174
2001 FL_{60}	2002 08 28.3	22 26.88	−08 47.0	18.6	−0.77	−	9.1	0.3/28.7	33390
2001 FD_9	2002 08 28.3	22 26.97	−27 17.1	19.3	−1.01	−	2.2	5.9/23.4	13824
2000 CG_{11}	2002 08 28.3	22 26.98	+04 51.4	17.6	−0.96	−	2.2	6.4/01.4	33200
3106 T-2	2002 08 28.3	22 27.00	−27 47.1	18.3	−1.12	−	0.9	6.9/23.4	34058
2000 EP_{134}	2002 08 28.4	22 26.99	−14 51.6	19.0	−0.75	−	4.6	1.5/26.8	33870
2000 YY_{139}	2002 08 28.4	22 27.01	−29 00.8	17.3	−1.54	+	6.7	8.6/25.6	33891
2000 GT_{71}	2002 08 28.4	22 27.01	−12 12.2	16.6	−0.65	−	4.1	0.8/27.6	33873
1999 XT_{116}	2002 08 28.4	22 27.02	+00 45.5	18.9	−0.96	−	4.2	4.1/31.5	14166
2001 FV_{160}	2002 08 28.4	22 27.04	−50 40.5	18.5	−1.00	−	1.8	13.8/13.0	14425
1999 CV_{18}	2002 08 28.4	22 27.05	−29 42.3	19.1	−0.81	−	3.9	5.4/21.8	31851
2000 AR_{252}	2002 08 28.4	22 27.07	−15 25.9	20.7	−0.90	−	7.6	2.4/26.5	26929

2000 EZ_{167}	2002 08 28.4	22 27.10	−25 16.7	18.6	−0.77	− 4.9	4.9/23.3	33871
2000 EF_{55}	2002 08 28.4	22 27.14	−03 38.3	17.8	−0.66	− 6.7	1.6/30.6	33868
1999 XX_{66}	2002 08 28.4	22 27.17	+11 35.1	17.9	−0.89	− 4.2	7.6/04.4	33845
1998 VO_{31}	2002 08 28.4	22 27.18	+11 56.4	17.7	−0.91	+ 0.8	6.9/03.2	33788
2002 LT_{36}	2002 08 28.4	22 27.19	+09 53.4	15.8	−0.52	− 0.6	11.7/04.5	34016
2000 GO_{53}	2002 08 28.4	22 27.22	−08 11.5	19.9	−0.72	− 4.2	0.4/28.9	10956
1994 GV_{10}	2002 08 28.4	22 27.25	−27 01.8	18.7	−1.04	− 4.4	6.2/23.3	33755
1998 SU_{162}	2002 08 28.4	22 27.36	−06 49.8	18.5	−0.84	− 4.7	1.1/29.4	33785
2000 CJ_{17}	2002 08 28.4	22 27.36	−29 41.8	19.2	−0.90	− 5.3	6.8/21.7	33861
1999 TH_{35}	2002 08 28.4	22 27.39	−32 28.9	19.1	−1.28	− 0.1	7.3/22.8	8450
2000 YO_{120}	2002 08 28.4	22 27.39	−02 14.0	15.9	−1.74	+13.1	4.3/29.1	33890
2000 BJ_2	2002 08 28.4	22 27.40	−33 31.8	19.5	−1.17	+ 0.9	7.0/22.5	12234
1999 UW_{42}	2002 08 28.5	22 27.30	+04 56.6	19.3	−0.97	− 4.7	5.5/01.9	13618
1999 TR_{199}	2002 08 28.5	22 27.30	−00 09.0	18.6	−0.97	− 4.2	3.8/31.3	11596
2000 AV_{65}	2002 08 28.5	22 27.32	−08 24.3	18.8	−0.95	− 1.4	0.4/28.8	*39571*
1999 VR_{177}	2002 08 28.5	22 27.33	−13 56.6	18.1	−0.92	− 7.5	1.6/27.1	33840
1999 XK_{176}	2002 08 28.5	22 27.35	+02 07.9	18.4	−0.90	− 2.0	3.4/31.8	33850
2000 CY_{32}	2002 08 28.5	22 27.39	−06 25.0	17.1	−0.86	− 3.1	1.3/29.5	14395
2000 ED_{112}	2002 08 28.5	22 27.41	+06 03.4	18.9	−0.77	− 6.1	4.9/02.8	33869
1999 XU_{34}	2002 08 28.5	22 27.49	+15 35.8	18.5	−1.07	+ 1.8	9.2/03.8	33844
2000 AQ_{234}	2002 08 28.5	22 27.57	−30 11.7	18.4	−0.88	− 7.4	7.2/21.3	13134
2002 PB_{88}	2002 08 28.5	22 27.59	−08 10.8	18.4	−0.69	− 8.1	0.8/29.1	33734
2001 NZ_5	2002 08 28.5	22 27.60	−35 47.2	19.0	−0.81	− 6.4	7.0/19.1	15848
2000 AJ_{156}	2002 08 28.5	22 27.67	−14 08.5	20.1	−0.97	− 5.1	1.6/27.2	27658
1998 SY_{52}	2002 08 28.5	22 27.67	+09 20.7	18.2	−0.76	− 7.7	7.2/04.3	31831
1999 XK_{61}	2002 08 28.5	22 27.68	−16 36.1	19.6	−0.87	− 5.7	2.2/26.4	14380
1999 XG_{60}	2002 08 28.6	22 27.69	−30 03.7	21.0	−0.91	− 4.7	5.9/22.0	14380
2000 AV_{58}	2002 08 28.6	22 27.75	−11 56.5	17.5	−0.94	− 3.6	1.0/28.0	33854
1998 VO_{28}	2002 08 28.6	22 27.77	−23 26.0	18.3	−0.92	− 5.5	6.2/24.0	33058
2000 CO_{40}	2002 08 28.6	22 27.77	−09 58.7	18.5	−0.82	− 6.9	0.1/28.5	30350
2001 HF_{29}	2002 08 28.6	22 27.81	+10 21.7	18.1	−0.68	− 6.2	6.9/05.0	13445
1997 DX	2002 08 28.6	22 27.82	−11 08.1	18.0	−0.92	− 8.5	0.6/28.1	33761
1999 TK_{178}	2002 08 28.6	22 27.82	−07 59.4	18.3	−1.05	− 3.4	0.7/29.1	33831
1999 VO_{138}	2002 08 28.6	22 27.84	−21 07.7	20.9	−1.01	− 5.7	4.5/25.1	1534
1999 XX_{174}	2002 08 28.6	22 27.88	−15 59.6	18.9	−0.90	− 3.9	2.0/26.8	*39565*
2000 DL_{57}	2002 08 28.6	22 27.89	−07 59.2	18.4	−0.80	− 4.6	0.6/29.2	33214
2000 EL_{102}	2002 08 28.6	22 27.91	−06 23.8	20.5	−0.74	− 5.0	0.8/29.7	7013
1999 TA_{11}	2002 08 28.6	22 27.96	−02 54.4	18.7	−0.89	− 8.6	2.6/30.9	15049
1998 FC_{55}	2002 08 28.6	22 27.99	−10 22.4	18.4	−0.97	− 6.0	0.3/28.4	33019
2001 ET_{12}	2002 08 28.6	22 28.00	−46 36.8	17.9	−1.70	+ 2.0	16.1/18.5	18314
2002 NH_{26}	2002 08 28.6	22 28.02	−19 19.6	18.9	−0.69	−23.5	4.1/24.3	34024
2002 LR_{53}	2002 08 28.6	22 28.06	+11 52.8	16.9	−0.57	−10.7	9.4/07.0	33630
1998 HC_{92}	2002 08 28.6	22 28.07	−17 49.5	18.8	−1.02	− 5.7	3.3/26.2	13565
1999 RR_{25}	2002 08 28.6	22 28.09	−01 46.8	17.5	−0.99	− 6.2	3.5/31.1	33817
1999 VB_{152}	2002 08 28.6	22 28.11	−14 15.1	19.8	−0.93	− 5.9	1.8/27.3	19465
2001 LB_{10}	2002 08 28.7	22 28.03	−20 55.6	19.8	−0.75	− 5.9	3.3/24.9	14946
1998 VE_{36}	2002 08 28.7	22 28.04	−10 24.8	18.8	−0.81	− 6.3	0.3/28.4	33059
1997 GW_7	2002 08 28.7	22 28.08	−15 32.7	19.2	−0.94	− 5.5	2.1/26.9	33761
1999 XF_{192}	2002 08 28.7	22 28.13	+02 09.2	20.0	−0.86	− 3.4	3.3/01.2	*39565*
1999 XS_{115}	2002 08 28.7	22 28.13	−11 57.7	17.1	−1.07	− 1.3	1.1/28.1	33847
2000 AB_{102}	2002 08 28.7	22 28.15	−23 56.6	18.8	−0.94	− 6.7	4.8/24.0	33856
2002 PW_1	2002 08 28.7	22 28.20	+15 55.5	16.2	−0.87	− 1.8	10.5/05.6	33715
2001 KK_{44}	2002 08 28.7	22 28.27	+02 55.3	19.3	−0.77	− 6.9	3.9/02.0	33911
2001 CS_{42}	2002 08 28.7	22 28.27	−10 44.3	20.0	−0.98	− 4.5	0.4/28.4	15095
1997 CX_6	2002 08 28.7	22 28.33	−05 40.8	18.4	−1.05	− 2.6	1.7/29.8	*40314*
1999 XP_{174}	2002 08 28.7	22 28.39	−27 28.6	18.5	−0.94	− 6.5	7.6/22.6	13071
2000 CM_{85}	2002 08 28.7	22 28.44	−13 19.4	18.9	−0.91	− 4.2	1.3/27.7	31898
2000 YU_{105}	2002 08 28.7	22 28.48	−19 38.4	19.4	−1.03	− 4.4	3.4/25.9	13238
2000 GA_{81}	2002 08 28.8	22 28.40	−07 55.5	19.4	−0.73	− 4.1	0.4/29.3	33873
1994 EC_7	2002 08 28.8	22 28.41	−19 02.9	18.5	−1.06	− 4.5	3.7/26.1	33755
1999 XX_{75}	2002 08 28.8	22 28.45	−17 30.2	17.7	−0.91	− 6.3	2.9/26.3	33845
2000 EC_{184}	2002 08 28.8	22 28.45	−26 07.0	18.5	−0.88	− 4.3	5.2/23.5	31905
1998 SL_{116}	2002 08 28.8	22 28.46	−15 18.6	17.7	−0.97	− 0.1	2.6/27.4	33051
2000 DC_{105}	2002 08 28.8	22 28.48	−16 35.1	18.3	−0.70	− 7.7	2.2/26.3	33867
1999 XK_{106}	2002 08 28.8	22 28.49	−01 12.6	18.2	−0.98	− 4.6	3.2/31.3	33847
2001 HY_{12}	2002 08 28.8	22 28.63	−08 47.0	19.4	−0.85	− 5.4	0.3/29.1	27767
2000 CY_{17}	2002 08 28.8	22 28.72	−08 14.3	18.9	−0.81	− 5.2	0.4/29.3	33861
2001 FY_{43}	2002 08 28.8	22 28.73	−12 06.3	19.1	−0.82	− 4.3	0.8/28.1	33903
2000 AO_{137}	2002 08 28.8	22 28.76	−17 51.3	18.0	−1.02	− 2.3	2.8/26.6	33857
1999 YJ_{14}	2002 08 28.8	22 28.81	−10 34.7	19.5	−0.88	− 5.4	0.3/28.6	33852
1998 SA_{118}	2002 08 28.9	22 28.84	−17 16.7	17.5	−0.96	− 2.4	2.7/26.7	33782
2001 HP_7	2002 08 28.9	22 28.86	−13 46.9	19.8	−0.77	− 4.5	1.4/27.6	33408
1999 VE_{94}	2002 08 28.9	22 28.96	−23 38.8	18.7	−1.09	− 2.0	6.6/25.2	3462
2001 JQ_3	2002 08 28.9	22 28.97	−14 19.5	19.2	−0.82	− 5.9	1.6/27.4	14437
1993 FP_{40}	2002 08 28.9	22 28.97	−13 54.2	19.2	−0.96	− 5.2	1.6/27.6	20675
2001 DM_{83}	2002 08 28.9	22 28.98	−10 34.5	19.0	−0.82	− 9.4	0.5/28.6	13262
1999 CD_{149}	2002 08 28.9	22 29.05	−14 32.3	19.6	−0.81	− 5.1	1.7/27.4	6223
2000 EC_{47}	2002 08 28.9	22 29.12	−14 02.1	19.1	−0.77	− 3.3	1.3/27.6	33868
2001 CK	2002 08 28.9	22 29.15	−28 16.2	18.7	−0.81	−26.7	8.3/20.3	33365
1999 TC_{95}	2002 08 28.9	22 29.16	−24 55.4	17.6	−1.01	− 5.6	7.0/24.2	33828
2001 DJ_{67}	2002 08 29.0	22 29.15	−08 12.3	19.4	−0.96	− 4.9	0.5/29.4	33898
1994 PO_{13}	2002 08 29.0	22 29.16	−06 05.7	18.2	−0.87	− 4.0	1.5/30.0	33755
2001 HX_{55}	2002 08 29.0	22 29.25	−45 49.5	17.4	−0.95	− 3.2	12.2/14.9	14435
1999 XB_{185}	2002 08 29.0	22 29.27	−19 31.9	18.9	−1.00	− 3.9	3.4/26.1	16044
1999 VA_{164}	2002 08 29.0	22 29.28	−12 09.6	19.7	−0.97	− 4.6	1.0/28.3	14152
1999 TO_{188}	2002 08 29.0	22 29.33	+03 00.0	18.6	−1.01	− 3.4	4.7/01.6	33832
2001 BX_{61}	2002 08 29.0	22 29.34	−19 25.4	18.4	−0.86	−30.7	4.3/24.6	33362
2001 JJ_1	2002 08 29.1	22 29.55	−01 35.9	18.7	−0.70	− 7.5	2.6/31.9	33910
1998 XH_5	2002 08 29.1	22 29.61	−22 04.8	17.1	−0.73	− 6.2	3.6/24.8	33790
2001 FD_{112}	2002 08 29.1	22 29.62	−62 59.1	18.6	−1.47	+ 1.0	18.4/13.0	13335
1998 RY	2002 08 29.1	22 29.63	−02 13.6	17.5	−0.80	− 4.7	3.4/31.4	33033
1998 TA_{35}	2002 08 29.1	22 29.64	−16 15.3	18.4	−0.87	− 4.4	2.4/27.1	33785
1998 SS_{57}	2002 08 29.1	22 29.73	−14 55.1	18.9	−0.89	− 5.3	2.0/27.5	33778
2000 GZ_{169}	2002 08 29.1	22 29.92	+13 34.8	17.9	−0.82	− 4.7	8.0/05.8	30354
2001 KE_{23}	2002 08 29.2	22 29.88	+07 04.2	17.3	−0.75	− 4.2	5.9/03.6	33911
1999 BQ_{28}	2002 08 29.2	22 29.98	−10 18.4	18.3	−0.76	− 4.1	0.3/29.0	33794
1998 SM_{73}	2002 08 29.2	22 29.99	−08 01.1	18.5	−0.80	− 6.4	0.4/29.7	33779
1997 SJ_{29}	2002 08 29.2	22 30.06	+01 57.4	18.2	−0.81	− 2.8	3.5/01.6	33762
1998 HV_{92}	2002 08 29.2	22 30.08	−15 57.7	19.7	−1.02	− 4.2	2.8/27.4	1942
1999 WN_2	2002 08 29.2	22 30.08	−15 25.8	17.5	−0.93	− 5.7	2.5/27.4	33841
1998 UC_{38}	2002 08 29.2	22 30.08	−25 32.4	18.4	−0.90	− 4.1	5.2/24.2	14366
1999 XX_{21}	2002 08 29.2	22 30.10	−04 30.4	19.5	−0.84	− 5.3	1.5/30.8	33843

1997 VQ_{6}	2002 08 29.2	22 30.14	−13 10.5	17.8	−0.80	−	4.5	1.4/28.1	33763
1995 YH_{12}	2002 08 29.2	22 30.19	−15 16.0	18.8	−0.95	−	5.9	2.4/27.5	33758
2000 AT_{16}	2002 08 29.2	22 30.19	−17 24.8	19.5	−0.98	−	6.7	3.1/26.7	18224
2000 ER_{96}	2002 08 29.2	22 30.23	−23 36.2	17.9	−0.91	−	4.2	5.0/24.8	8203
1999 TQ_{234}	2002 08 29.2	22 30.27	−15 17.3	19.4	−0.97	−	6.3	2.1/27.5	14376
2000 DV_{28}	2002 08 29.2	22 30.28	−08 56.8	18.1	−0.78	−	4.5	0.1/29.4	14826
1996 GP_{1}	2002 08 29.2	22 30.31	−30 20.8	17.7	−1.22	+	1.8	7.4/24.3	33759
2001 FE_{13}	2002 08 29.3	22 30.25	−09 23.5	19.4	−0.91	−	6.5	0.0/29.3	13824
3282 T-3	2002 08 29.3	22 30.29	−09 57.5	19.1	−0.77	−	5.2	0.2/29.1	34059
1999 VA_{37}	2002 08 29.3	22 30.29	−38 16.2	17.6	−1.03	−	3.6	9.4/19.8	14377
2000 CD_{30}	2002 08 29.3	22 30.30	−08 34.8	17.8	−0.71	−	5.6	0.2/29.6	14395
2000 DM_{65}	2002 08 29.3	22 30.43	−08 14.5	19.3	−0.69	−	8.1	0.3/29.8	33216
2001 FZ_{45}	2002 08 29.3	22 30.45	+01 12.9	18.5	−0.78	−	8.4	3.6/02.1	33903
2002 LP_{58}	2002 08 29.3	22 30.46	−21 46.4	17.0	−0.75	−	5.6	6.7/25.2	34018
2001 FB_{4}	2002 08 29.3	22 30.48	−06 01.4	17.6	−0.79	−	6.0	1.2/30.5	33901
1993 QL_{8}	2002 08 29.3	22 30.48	−11 13.9	17.2	−0.68	−13.4		0.8/28.6	32998
2001 HF_{26}	2002 08 29.3	22 30.52	−11 58.4	18.6	−0.84	−	5.7	1.0/28.5	13440
2000 AX_{187}	2002 08 29.3	22 30.60	−15 58.8	18.7	−0.88	−	9.1	2.2/27.1	16047
1997 EK_{15}	2002 08 29.3	22 30.62	−16 02.7	21.0	−1.01	−	2.4	2.3/27.6	12116
1999 XW_{5}	2002 08 29.4	22 30.60	−09 31.3	18.7	−1.00	−	5.1	0.1/29.4	33152
1999 XY_{141}	2002 08 29.4	22 30.60	+24 02.4	19.5	−1.00	−	1.7	10.0/08.7	*40420*
2000 CG_{52}	2002 08 29.4	22 30.64	−06 02.2	19.1	−0.74	−	3.8	0.9/30.5	706
1999 VJ_{161}	2002 08 29.4	22 30.65	−11 24.7	18.0	−0.97	−	4.2	0.9/28.8	33840
2022 T-2	2002 08 29.4	22 30.68	−01 27.7	17.3	−0.83	−	8.3	3.3/01.1	34058
2001 FM_{21}	2002 08 29.4	22 30.73	−14 45.9	18.6	−0.86	−	7.9	1.9/27.6	33901
1999 XE_{5}	2002 08 29.4	22 30.74	−13 28.7	18.0	−0.89	−	6.9	2.0/28.1	33152
2000 AY_{254}	2002 08 29.4	22 30.80	−07 16.4	19.3	−0.87	−	4.5	0.9/30.1	33860
1999 VR_{80}	2002 08 29.4	22 30.81	−06 10.0	18.9	−0.89	−	6.9	1.1/30.5	14377
2001 KK_{12}	2002 08 29.4	22 30.82	−15 03.5	19.4	−0.74	−	5.4	1.6/27.6	17612
1998 RT_{15}	2002 08 29.4	22 30.82	−05 36.4	17.6	−0.98	−	1.0	1.6/30.4	33774
2000 DM_{79}	2002 08 29.4	22 30.85	−14 49.0	17.9	−0.96	−	5.1	2.4/27.8	33217
1998 UB_{33}	2002 08 29.4	22 30.86	+05 03.7	17.6	−0.76	−	4.9	6.5/03.3	33786
2001 HN_{27}	2002 08 29.4	22 30.89	−07 32.9	19.8	−0.86	−	5.2	0.6/30.0	14276
2000 AU_{131}	2002 08 29.4	22 30.90	−06 44.0	18.5	−0.93	−	4.6	0.9/30.2	7518
1999 XL_{108}	2002 08 29.4	22 31.00	−05 14.5	18.7	−0.91	−	6.7	1.5/30.8	33847
1999 XV_{163}	2002 08 29.4	22 31.00	−27 39.6	16.6	−0.81	−	7.5	6.8/22.9	31885
2001 FF_{119}	2002 08 29.4	22 31.03	+05 56.5	17.2	−0.98	−	0.8	6.0/02.7	33905
2000 AT_{38}	2002 08 29.5	22 30.94	−13 57.5	19.6	−0.86	−	4.8	1.4/28.1	5686
1998 SP_{26}	2002 08 29.5	22 30.96	−08 13.4	18.4	−0.83	−	4.7	0.5/29.8	33778
2000 CV_{42}	2002 08 29.5	22 30.97	−05 15.7	18.5	−0.73	−	8.6	1.3/30.9	33862
1981 EA_{37}	2002 08 29.5	22 30.98	−11 09.2	20.0	−0.97	−	2.9	0.6/29.0	*26921*
1999 XY_{218}	2002 08 29.5	22 30.99	−14 37.8	18.4	−0.75	−	7.3	2.7/27.7	33172
2002 ON_{2}	2002 08 29.5	22 31.02	+07 26.5	19.3	−0.91	−	2.1	6.6/03.5	33697
2002 PG_{58}	2002 08 29.5	22 31.04	+01 01.4	17.8	−0.75	−	7.2	3.8/02.0	33730
1998 MW_{13}	2002 08 29.5	22 31.12	−04 13.7	17.0	−0.94	−	1.0	2.5/30.9	33769
2000 EO_{196}	2002 08 29.5	22 31.13	−01 14.7	19.3	−0.77	−	8.7	2.8/01.4	33871
1999 TG_{141}	2002 08 29.5	22 31.24	−20 44.5	18.1	−1.04	−	1.4	5.7/26.5	33103
2001 KL_{38}	2002 08 29.5	22 31.26	−10 25.4	18.9	−0.81	−	8.1	0.4/29.2	33911
2001 CX_{24}	2002 08 29.5	22 31.28	−15 12.1	19.9	−1.00	−	5.2	2.2/27.8	12288
1998 SU_{114}	2002 08 29.5	22 31.29	−15 46.1	18.6	−0.86	−	4.9	2.4/27.6	33782
2000 EB_{93}	2002 08 29.5	22 31.31	+00 39.7	17.7	−0.71	−	7.1	3.2/02.0	33869
2001 FY_{169}	2002 08 29.5	22 31.40	−04 00.3	19.2	−1.00	−	1.0	1.9/31.0	18315
2002 OM_{2}	2002 08 29.6	22 31.32	+07 40.4	17.8	−1.04	+	1.7	8.2/02.0	33697
2000 CP_{131}	2002 08 29.6	22 31.35	−10 30.3	19.7	−0.78	−	5.8	0.4/29.2	33864
1998 QR_{89}	2002 08 29.6	22 31.37	+00 21.8	16.9	−1.03	−	0.5	4.1/32.0	33773
2000 AQ_{54}	2002 08 29.6	22 31.40	−13 56.7	18.1	−0.91	−	5.8	2.1/28.2	33854
1999 CO_{120}	2002 08 29.6	22 31.41	−37 12.5	19.9	−0.87	−	4.6	7.5/19.5	2022
1999 WG_{13}	2002 08 29.6	22 31.54	−18 44.5	20.2	−1.02	−	5.1	3.9/26.8	14156
1998 JL_{4}	2002 08 29.6	22 31.57	−07 02.3	19.5	−0.92	−	7.7	0.9/30.4	*32755*
1999 TO_{217}	2002 08 29.6	22 31.58	−03 44.8	18.4	−0.90	−	7.8	2.2/31.5	33832
2001 FX_{54}	2002 08 29.6	22 31.67	−06 47.0	18.3	−0.78	−	7.6	0.9/30.5	13832
1998 UW_{3}	2002 08 29.6	22 31.67	−01 03.8	19.8	−0.80	−	5.1	2.6/01.3	20707
2000 AA_{130}	2002 08 29.6	22 31.71	+24 05.2	19.5	−1.11	+	2.2	10.5/07.5	699
2001 DA_{97}	2002 08 29.6	22 31.73	−13 11.7	19.3	−0.98	−	4.8	1.5/28.5	13817
1999 NZ_{57}	2002 08 29.7	22 31.68	+30 34.6	18.9	−1.16	−	2.3	17.2/12.9	33815
1997 WZ_{10}	2002 08 29.7	22 31.69	+01 26.7	19.4	−0.72	−	5.0	3.7/02.2	33015
1995 SE	2002 08 29.7	22 31.75	−15 36.5	18.8	−0.98	−	6.2	2.7/27.7	2621
2001 HG_{29}	2002 08 29.7	22 31.77	−13 35.1	19.0	−0.77	−	4.3	1.4/28.4	33909
1998 QE_{86}	2002 08 29.7	22 31.81	+17 06.5	16.2	−0.61	−10.6		11.5/10.1	33773
2000 EO_{32}	2002 08 29.7	22 31.93	−15 40.6	18.7	−0.95	−	4.4	2.4/27.8	33868
1997 EC_{3}	2002 08 29.7	22 31.94	−19 25.3	18.9	−1.22	+	0.3	3.3/27.4	1001
1998 WY_{2}	2002 08 29.7	22 32.03	−14 44.0	20.0	−0.77	−	4.4	1.5/28.0	23463
2001 KQ_{74}	2002 08 29.8	22 32.13	−22 11.4	20.6	−0.83	−	6.0	4.0/25.5	15831
1998 RW_{72}	2002 08 29.8	22 32.17	−12 10.6	18.1	−0.82	−	3.6	1.4/28.9	33040
2001 DK_{19}	2002 08 29.8	22 32.22	−22 58.0	19.2	−1.03	−	4.1	5.5/25.8	33372
1998 KU	2002 08 29.8	22 32.33	−22 16.7	17.2	−0.95	−	6.9	5.3/25.6	33768
1997 NK_{2}	2002 08 29.9	22 32.50	+04 01.3	19.5	−0.76	−	6.1	4.0/03.3	16010
2000 AH_{92}	2002 08 29.9	22 32.56	−14 03.6	17.6	−0.89	−	5.2	2.0/28.4	33855
1999 VP_{144}	2002 08 29.9	22 32.59	−19 50.9	19.6	−1.09	−	3.3	4.7/26.9	14152
1999 WD_{10}	2002 08 29.9	22 32.60	−15 07.2	18.3	−0.86	−	5.1	1.8/28.1	*40402*
2001 FP_{101}	2002 08 29.9	22 32.62	+00 28.0	18.7	−0.86	−	5.6	3.4/02.1	33905
2000 AF_{42}	2002 08 29.9	22 32.66	−23 50.2	19.1	−0.83	−	8.3	4.8/24.7	14386
1998 RD_{3}	2002 08 29.9	22 32.66	−29 31.1	16.7	−1.16	+	5.9	10.8/25.5	6216
1991 PC_{3}	2002 08 29.9	22 32.69	−18 44.5	17.1	−0.71	−	8.3	3.1/26.5	14727
2000 DP_{37}	2002 08 29.9	22 32.69	−09 23.0	19.3	−0.78	−	5.4	0.1/29.9	2748
2000 AW_{91}	2002 08 29.9	22 32.72	−02 36.0	18.3	−0.77	−	3.4	1.9/01.0	33855
2000 AY_{178}	2002 08 29.9	22 32.72	−05 35.9	17.4	−0.81	−	9.5	1.5/31.2	33858
2000 CF_{51}	2002 08 29.9	22 32.75	−01 57.4	17.7	−0.77	−	2.9	2.1/01.2	33862
2000 BF_{14}	2002 08 29.9	22 32.76	−09 50.8	18.7	−0.93	−	4.2	0.3/29.8	33860
1999 VP_{26}	2002 08 29.9	22 32.86	−17 10.6	18.9	−1.00	−	5.2	3.2/27.6	33836
2000 CF_{103}	2002 08 30.0	22 32.77	−09 14.9	18.7	−0.85	−	6.0	0.0/30.0	10951
1993 TP_{25}	2002 08 30.0	22 32.77	−20 32.5	18.4	−0.88	−	3.4	4.2/26.5	33754
2000 CZ_{77}	2002 08 30.0	22 32.78	−07 38.0	18.6	−0.77	−	4.9	0.5/30.5	33863
2000 CE_{112}	2002 08 30.0	22 32.85	+00 57.5	18.3	−0.70	−	5.8	2.9/02.5	17161
1999 AE_{26}	2002 08 30.0	22 32.94	−14 33.5	18.4	−0.75	−	3.8	1.6/28.3	33793
1992 ET_{4}	2002 08 30.0	22 32.94	−15 09.5	20.3	−0.99	−	1.7	1.9/28.4	12840
1999 XN_{147}	2002 08 30.0	22 32.95	−10 28.7	18.6	−0.93	−	5.5	0.5/29.6	33848
2001 FQ_{130}	2002 08 30.0	22 32.95	+04 12.0	18.8	−0.71	−	6.6	4.1/03.8	33400
1999 YS	2002 08 30.0	22 32.95	+31 20.0	19.9	−0.94	−	2.0	10.2/12.9	1559
1999 TL_{120}	2002 08 30.0	22 32.97	−07 26.9	18.9	−1.03	−	4.5	0.7/30.5	33829
2001 FD_{21}	2002 08 30.0	22 33.01	−34 10.4	17.0	−0.85	−	5.2	9.8/20.9	33901
2000 AE_{243}	2002 08 30.0	22 33.08	+04 08.1	17.1	−0.73	−	5.8	4.3/03.6	33860

2000 AB_{13}	2002 08 30.0	22 33.08	−13 52.0	18.8	−1.00	− 5.7	1.9/28.6	30344
2000 AM_{193}	2002 08 30.0	22 33.09	+11 23.2	19.1	−0.84	− 4.0	6.4/05.7	2723
1998 SO_{102}	2002 08 30.0	22 33.14	−19 37.4	18.2	−0.92	− 3.0	3.4/27.0	33781
2000 DE_{9}	2002 08 30.1	22 33.19	−08 43.0	18.8	−0.77	− 4.7	0.1/30.2	14206
4274 T-3	2002 08 30.1	22 33.29	−12 03.7	18.9	−0.94	− 7.3	1.2/29.2	592
1999 VB_{190}	2002 08 30.1	22 33.36	−03 18.6	18.3	−0.87	− 6.7	2.7/01.0	33841
1999 VJ_{92}	2002 08 30.1	22 33.40	−15 35.1	18.6	−1.05	− 4.3	2.7/28.3	33839
1999 VU_{161}	2002 08 30.1	22 33.45	−16 40.0	20.0	−1.03	− 4.0	3.0/28.0	13004
1978 VW_{5}	2002 08 30.1	22 33.53	−04 34.6	16.8	−0.76	− 5.9	2.3/31.7	33749
2001 HD_{54}	2002 08 30.1	22 33.54	−47 47.4	17.2	−0.95	− 9.3	13.6/13.0	33909
2000 BB_{9}	2002 08 30.2	22 33.51	−16 28.4	18.4	−0.85	− 6.2	3.0/27.8	33196
2000 WE_{25}	2002 08 30.2	22 33.59	+29 09.3	17.7	−1.21	+ 0.5	13.5/12.1	33886
1994 RE_{11}	2002 08 30.2	22 33.60	+00 19.2	16.5	−0.39	−18.9	4.5/03.6	33756
1999 VW_{36}	2002 08 30.2	22 33.62	−23 49.8	18.6	−0.96	− 4.8	5.0/25.6	33837
1998 XC_{15}	2002 08 30.2	22 33.77	+05 15.0	17.7	−0.79	− 5.1	5.3/03.9	33062
1999 XN_{133}	2002 08 30.2	22 33.85	−31 40.8	17.7	−0.98	− 2.2	8.1/23.6	13635
1999 VX_{2}	2002 08 30.2	22 33.91	+02 46.2	17.3	−0.96	− 4.1	5.0/02.8	33835
2000 AG_{161}	2002 08 30.2	22 33.92	−09 14.7	18.4	−1.10	− 2.1	0.1/30.2	33191
2000 DM_{25}	2002 08 30.2	22 33.92	−02 20.0	17.6	−0.88	− 0.7	2.1/01.1	33211
1978 VB_{4}	2002 08 30.3	22 33.93	+00 53.1	17.0	−0.92	− 4.7	4.5/02.0	33749
1999 XA_{39}	2002 08 30.3	22 33.98	+10 13.6	19.3	−0.84	− 3.5	5.5/05.3	*40410*
2001 FZ_{19}	2002 08 30.3	22 34.01	−08 48.0	20.6	−0.95	− 4.9	0.1/30.4	11979
2001 EA_{12}	2002 08 30.3	22 34.04	−16 29.0	19.8	−1.01	− 3.8	2.8/28.2	15095
1997 CS_{9}	2002 08 30.3	22 34.06	−09 17.5	18.9	−1.05	− 2.5	0.1/30.3	33760
2000 AY_{42}	2002 08 30.3	22 34.07	+25 08.3	19.5	−1.01	− 1.7	10.0/09.6	*39569*
2203 P-L	2002 08 30.3	22 34.18	−00 11.4	19.1	−0.90	− 7.1	3.4/02.2	13872
1980 XB	2002 08 30.3	22 34.27	−45 46.4	18.5	−1.22	− 4.7	10.7/16.4	1404
2000 EV_{79}	2002 08 30.3	22 34.30	−16 10.6	18.0	−0.88	− 1.7	2.2/28.4	393
2002 PR_{77}	2002 08 30.4	22 34.23	−22 59.9	17.8	−0.85	− 4.3	6.3/26.0	33732
1995 UN_{15}	2002 08 30.4	22 34.30	−25 49.1	18.0	−0.95	− 3.2	7.8/25.5	15019
2000 DY_{46}	2002 08 30.4	22 34.39	−06 42.5	18.0	−0.81	− 6.1	0.8/31.2	33866
2000 CE_{54}	2002 08 30.4	22 34.40	−04 45.4	17.4	−0.79	− 2.9	1.4/31.7	33862
2001 DL_{93}	2002 08 30.4	22 34.40	−11 45.8	21.0	−0.96	− 7.2	1.0/29.6	17564
2001 KD_{33}	2002 08 30.4	22 34.43	−00 34.0	20.0	−0.81	− 4.2	2.5/02.1	14936
2000 CM_{80}	2002 08 30.4	22 34.46	−09 19.6	16.8	−1.25	+ 4.7	0.2/30.4	33206
1999 LQ_{2}	2002 08 30.4	22 34.47	+31 05.7	18.0	−0.90	− 6.5	19.2/17.7	33814
2000 DD_{31}	2002 08 30.4	22 34.48	−08 37.8	18.1	−0.78	− 3.4	0.1/30.6	19517
2001 KE_{15}	2002 08 30.4	22 34.50	−00 24.1	19.1	−0.81	− 7.1	2.8/02.3	33911
1981 EN_{5}	2002 08 30.4	22 34.52	−00 01.5	19.2	−0.88	− 5.2	3.2/02.2	33750
2000 ER_{139}	2002 08 30.4	22 34.52	−25 56.5	17.9	−0.84	− 3.4	4.9/25.1	10955
2000 CP_{53}	2002 08 30.4	22 34.57	−07 22.6	17.4	−0.85	− 2.2	0.5/30.9	33205
2000 AL_{143}	2002 08 30.4	22 34.59	+06 25.8	18.7	−0.86	− 3.3	5.0/04.2	*40439*
2001 FU_{128}	2002 08 30.4	22 34.65	−23 24.4	18.7	−1.12	− 1.1	6.1/26.8	33906
1998 HB_{22}	2002 08 30.5	22 34.58	+01 16.8	19.3	−0.95	− 7.9	4.1/02.9	12123
1998 SZ_{58}	2002 08 30.5	22 34.59	−07 02.4	17.9	−0.73	− 7.7	0.9/31.2	33779
1994 PL_{23}	2002 08 30.5	22 34.60	−10 48.0	18.5	−0.90	− 5.1	0.6/29.9	33756
2000 EE_{11}	2002 08 30.5	22 34.62	−16 57.1	17.6	−0.86	− 1.7	2.7/28.3	33867
2001 FJ_{35}	2002 08 30.5	22 34.72	−06 41.2	17.3	−0.90	− 4.7	0.9/31.2	25897
2000 EU_{78}	2002 08 30.5	22 34.76	−13 56.5	19.0	−0.79	− 4.6	1.5/29.0	31902
1999 XB_{222}	2002 08 30.5	22 34.78	−07 21.4	18.2	−0.98	− 3.4	0.6/31.0	33851
2001 CL_{20}	2002 08 30.5	22 34.81	−41 04.2	17.1	−0.79	−22.9	14.4/14.0	33895
2001 DM_{21}	2002 08 30.5	22 34.83	−30 13.7	17.8	−1.03	− 0.7	8.1/24.8	33897
2000 CH_{13}	2002 08 30.5	22 34.91	−09 18.7	19.2	−0.83	− 6.1	0.1/30.5	6997
1999 GQ_{32}	2002 08 30.5	22 34.92	−16 16.1	18.1	−0.97	−29.2	3.2/27.4	33073
2000 GD_{87}	2002 08 30.6	22 34.95	−36 57.7	19.6	−0.93	− 1.7	7.7/21.5	19613
1999 XY_{118}	2002 08 30.6	22 34.97	−02 21.2	16.9	−0.96	− 5.2	2.6/01.6	33847
1999 TV_{276}	2002 08 30.6	22 34.97	−06 16.4	19.2	−0.93	− 5.3	0.8/31.4	14376
2000 EC_{75}	2002 08 30.6	22 34.97	−18 07.5	18.1	−1.46	+ 2.3	4.0/28.7	2758
2000 YD_{35}	2002 08 30.6	22 35.01	−10 51.2	18.0	−0.94	− 7.0	0.8/30.0	33889
1998 QP_{110}	2002 08 30.6	22 35.07	−03 19.4	18.4	−0.80	− 4.6	2.6/01.4	16841
1998 TE_{27}	2002 08 30.6	22 35.09	−07 52.4	18.2	−0.82	− 5.1	0.4/31.0	33785
2001 KS_{28}	2002 08 30.6	22 35.10	+13 01.9	18.9	−0.82	− 6.0	7.3/07.4	14444
1999 XQ_{16}	2002 08 30.6	22 35.11	−29 52.6	18.1	−1.00	− 6.8	9.2/23.2	6262
1998 XD	2002 08 30.6	22 35.12	−19 05.2	19.3	−0.80	− 6.1	3.0/27.2	33790
1999 VY_{28}	2002 08 30.6	22 35.14	+01 36.1	19.0	−0.93	− 5.8	4.2/02.9	33837
1999 XQ_{114}	2002 08 30.6	22 35.15	−25 43.5	16.6	−1.19	+ 5.0	9.2/27.2	*40417*
1999 WY_{1}	2002 08 30.6	22 35.16	+00 18.8	17.6	−0.88	− 5.6	4.4/02.5	33147
2000 AC_{231}	2002 08 30.6	22 35.17	−13 51.5	18.3	−0.82	− 9.0	1.6/28.9	33859
2000 EC_{31}	2002 08 30.6	22 35.18	−21 08.0	17.2	−0.73	− 7.3	4.3/26.3	33868
2000 BB_{5}	2002 08 30.6	22 35.28	−38 21.9	19.4	−1.08	− 3.4	9.5/20.7	2728
4649 T-2	2002 08 30.6	22 35.31	−23 27.7	19.6	−1.02	− 1.9	4.8/26.6	11066
1999 XM_{102}	2002 08 30.6	22 35.32	+00 57.2	17.2	−0.90	− 2.8	4.6/02.5	33847
2000 EO_{112}	2002 08 30.6	22 35.38	−12 34.8	19.2	−0.80	− 5.3	1.2/29.5	26940
1999 XG_{115}	2002 08 30.6	22 35.39	+03 41.9	17.8	−0.89	− 4.6	6.1/03.6	33847
2000 FN_{20}	2002 08 30.7	22 35.35	−18 13.0	19.1	−0.74	− 4.3	2.4/27.7	1585
1999 TW_{248}	2002 08 30.7	22 35.37	−02 47.1	18.2	−0.87	− 8.8	2.5/01.8	33833
2000 ED_{85}	2002 08 30.7	22 35.49	+05 29.6	18.4	−0.73	− 6.2	4.5/04.7	33869
1999 XY_{216}	2002 08 30.7	22 35.57	−08 14.4	20.0	−0.94	− 5.3	0.3/31.0	23511
1999 XQ_{120}	2002 08 30.7	22 35.60	−17 17.3	17.3	−0.92	− 2.4	4.4/28.4	33848
1999 XP_{184}	2002 08 30.7	22 35.61	−07 58.2	19.2	−0.97	− 3.6	0.3/31.0	33850
1999 XQ_{23}	2002 08 30.7	22 35.62	−12 42.9	18.1	−0.93	− 6.2	1.8/29.6	33843
1995 YZ_{2}	2002 08 30.7	22 35.67	+23 44.8	19.0	−1.00	− 0.6	9.4/09.8	*39524*
1999 RK_{3}	2002 08 30.7	22 35.71	−21 56.1	18.7	−1.07	− 4.1	5.3/27.0	33816
1979 MS_{7}	2002 08 30.7	22 35.72	−00 31.9	17.8	−0.80	− 4.6	3.3/02.4	32995
2002 OO_{2}	2002 08 30.7	22 35.73	+07 30.9	17.8	−0.87	− 2.3	6.5/04.7	33697
2001 FF_{53}	2002 08 30.7	22 35.76	−24 21.6	19.7	−1.03	− 1.5	5.2/26.6	16093
1995 QP_{3}	2002 08 30.8	22 35.70	−19 29.0	17.1	−0.97	− 2.9	5.3/27.7	33757
1999 TB_{83}	2002 08 30.8	22 35.71	−08 20.0	20.0	−0.97	− 7.2	0.2/31.0	33828
2000 AB_{79}	2002 08 30.8	22 35.80	−13 19.1	17.4	−0.89	− 7.7	1.8/29.3	33855
2001 FE_{113}	2002 08 30.8	22 35.82	−15 32.6	19.3	−0.85	− 5.8	2.3/28.7	13841
2002 OO	2002 08 30.8	22 35.85	+00 52.8	16.9	−0.60	− 9.6	5.1/03.6	33694
1999 TB_{273}	2002 08 30.8	22 35.93	−12 54.0	18.1	−1.08	− 1.8	1.8/29.8	33833
1999 XF_{125}	2002 08 30.8	22 35.96	−06 12.3	17.1	−0.99	− 1.0	1.3/31.5	33165
1998 XP_{80}	2002 08 30.8	22 35.96	+19 56.1	15.7	−0.50	− 5.5	13.9/12.8	33791
1999 VF_{144}	2002 08 30.8	22 36.00	+01 11.9	18.6	−0.97	− 4.7	4.1/02.9	33839
2000 DQ_{1}	2002 08 30.8	22 36.00	−19 28.3	17.2	−0.74	− 9.0	4.2/26.9	13657
2000 EY_{138}	2002 08 30.8	22 36.03	−32 43.1	19.6	−0.82	− 3.6	6.3/22.8	3539
1992 EX_{7}	2002 08 30.8	22 36.09	−08 35.0	20.8	−0.88	− 3.9	0.1/31.0	*25639*
2000 DF_{18}	2002 08 30.8	22 36.09	−13 04.8	19.1	−0.80	− 9.9	1.4/29.4	29211
2000 ET_{93}	2002 08 30.9	22 36.05	−00 19.5	17.5	−0.78	− 2.2	2.3/02.4	33869
1998 VM_{29}	2002 08 30.9	22 36.08	+10 52.8	18.5	−0.80	− 4.7	6.5/06.4	33788
1998 QL_{98}	2002 08 30.9	22 36.09	−56 15.1	17.5	−2.36	+17.4	23.0/28.5	31823

2001 FX_{61}	2002 08 30.9	22 36.12	−07 21.9	16.3	−0.50	−17.2	0.6/31.6	33391
2000 BT_{5}	2002 08 30.9	22 36.17	−34 04.2	17.2	−1.08	+ 3.0	12.5/24.3	17146
2000 DW_{35}	2002 08 30.9	22 36.27	−09 14.0	19.9	−0.72	− 4.7	0.1/30.8	2748
2000 AS_{126}	2002 08 30.9	22 36.29	−05 16.5	18.1	−0.82	− 4.5	1.2/01.1	33857
2001 DY_{28}	2002 08 30.9	22 36.29	−11 36.4	18.6	−0.93	− 6.2	1.1/30.1	33897
2000 WK_{72}	2002 08 30.9	22 36.34	+30 28.8	17.9	−1.54	+ 5.7	18.3/09.2	33311
2000 YY_{5}	2002 08 30.9	22 36.37	−48 59.3	18.9	−1.29	− 8.8	16.6/13.4	11012
2000 CR_{31}	2002 08 30.9	22 36.38	−07 15.5	18.4	−0.84	− 5.0	0.5/31.5	13655
1995 QQ_{14}	2002 08 30.9	22 36.39	−03 34.2	20.8	−0.90	− 6.4	1.8/01.6	16728
2002 NV_{26}	2002 08 30.9	22 36.39	−04 47.2	17.7	−0.93	− 1.8	2.0/01.1	33669
1997 SR_{19}	2002 08 30.9	22 36.43	−08 42.4	19.0	−0.80	− 3.6	0.0/31.0	1924
1999 XQ_{250}	2002 08 30.9	22 36.47	−15 35.0	19.7	−0.95	− 5.7	2.9/28.9	13640
2001 FG_{110}	2002 08 31.0	22 36.43	−12 13.2	18.3	−0.91	− 4.5	1.3/30.0	33905
1994 TQ_{10}	2002 08 31.0	22 36.45	+01 48.2	18.9	−0.80	− 8.0	4.0/03.7	33756
2001 DM_{67}	2002 08 31.0	22 36.47	−06 30.1	19.3	−0.91	− 6.1	0.9/31.7	33898
2000 AS	2002 08 31.0	22 36.52	−08 26.9	19.2	−0.84	− 5.4	0.1/31.1	2708
1999 VG_{21}	2002 08 31.0	22 36.52	−00 32.4	17.6	−0.83	− 6.6	4.2/02.8	33836
2000 ER_{167}	2002 08 31.0	22 36.54	−27 02.9	18.1	−0.91	− 2.3	5.8/25.5	33871
2000 AA_{99}	2002 08 31.0	22 36.69	−15 03.4	17.8	−0.99	− 6.1	2.9/29.1	33856
1999 VP_{209}	2002 08 31.0	22 36.70	−14 43.0	19.3	−0.84	− 6.4	3.0/29.1	33146
1999 YR	2002 08 31.0	22 36.77	+36 47.6	18.8	−1.06	+ 1.7	19.2/14.3	18223
2000 CA_{86}	2002 08 31.1	22 36.78	−09 13.8	18.4	−0.75	− 4.4	0.1/31.0	33863
2000 EO_{70}	2002 08 31.1	22 36.84	−01 17.2	18.9	−0.79	− 6.9	2.6/02.6	33868
2000 CA_{65}	2002 08 31.1	22 36.85	−14 03.0	18.3	−0.77	− 6.8	1.8/29.3	13153
1999 VJ_{30}	2002 08 31.1	22 36.87	−21 25.3	18.4	−0.92	− 3.4	6.4/27.3	33128
2001 KE_{4}	2002 08 31.1	22 36.87	+24 22.1	17.7	−0.69	− 4.9	11.3/13.6	33416
1998 SE_{134}	2002 08 31.1	22 36.97	−03 55.3	17.5	−0.79	− 6.5	1.9/01.7	33783
2000 AJ_{22}	2002 08 31.1	22 36.98	−15 26.5	19.2	−0.98	− 5.2	2.9/29.1	33853
2001 FY_{97}	2002 08 31.1	22 36.98	−34 02.8	18.8	−1.08	− 1.4	9.1/23.8	13331
1998 SS_{163}	2002 08 31.1	22 36.99	−31 47.8	17.9	−1.03	− 2.0	8.9/23.9	31837
2002 NU_{27}	2002 08 31.1	22 36.99	+04 06.0	19.2	−1.07	+ 2.8	4.6/03.1	33670
2000 AZ_{8}	2002 08 31.1	22 37.04	+03 43.2	18.3	−0.91	− 2.7	4.0/03.8	33852
1998 HK_{98}	2002 08 31.1	22 37.12	−15 33.4	18.9	−1.06	− 2.9	3.0/29.3	33767
1999 XZ_{87}	2002 08 31.1	22 37.14	−07 52.1	18.5	−0.92	− 6.4	0.4/31.5	33846
2001 DQ_{26}	2002 08 31.2	22 37.14	−13 07.2	19.7	−0.99	− 4.9	1.6/29.9	12296
2000 EL_{153}	2002 08 31.2	22 37.17	+00 18.2	18.8	−0.83	− 4.9	2.8/03.0	10955
1998 SR_{110}	2002 08 31.2	22 37.18	−19 25.0	18.8	−1.04	− 1.3	3.8/28.3	33782
1991 GC	2002 08 31.2	22 37.18	+08 28.7	16.8	−0.86	−16.1	6.3/07.3	32996
1997 EV_{49}	2002 08 31.2	22 37.25	−07 54.3	20.2	−0.91	− 5.3	0.3/31.5	33761
2000 FH_{13}	2002 08 31.2	22 37.32	−24 07.7	17.9	−0.86	− 1.2	4.6/26.8	739
2001 KP_{4}	2002 08 31.2	22 37.33	+06 02.1	18.8	−0.75	− 5.2	4.7/05.2	33416
1997 JE	2002 08 31.2	22 37.34	−07 50.7	19.3	−0.90	− 6.2	0.3/31.5	*39976*
1999 XZ_{186}	2002 08 31.2	22 37.41	−03 11.2	19.2	−0.95	− 2.4	1.9/01.8	17109
2000 EK_{17}	2002 08 31.2	22 37.47	−09 24.2	18.6	−0.77	− 3.0	0.2/31.1	33867
2000 EU_{43}	2002 08 31.2	22 37.48	−04 27.4	18.6	−0.71	− 6.5	1.3/01.7	19536
2001 FP_{102}	2002 08 31.2	22 37.51	−21 56.3	19.7	−0.84	− 5.7	4.5/27.0	14424
1997 CP_{29}	2002 08 31.2	22 37.52	−10 15.9	18.5	−0.89	− 7.8	0.6/30.8	33760
1993 FM_{57}	2002 08 31.3	22 37.50	−15 15.2	19.3	−0.89	− 6.2	2.2/29.2	12107
2000 CD_{48}	2002 08 31.3	22 37.54	+00 55.2	18.2	−0.84	− 4.3	3.2/03.3	33862
2001 FV_{48}	2002 08 31.3	22 37.59	−26 27.5	19.9	−1.04	− 1.0	5.8/26.5	13831
1999 XK_{96}	2002 08 31.3	22 37.67	−13 41.0	19.0	−0.94	− 5.1	1.8/29.8	33846
1998 WO_{3}	2002 08 31.3	22 37.71	+04 25.5	17.1	−0.77	− 3.4	4.1/04.5	33789
2001 KH_{38}	2002 08 31.3	22 37.80	−32 03.0	17.9	−0.91	− 6.5	8.2/22.8	14309
4672 T-3	2002 08 31.3	22 37.83	−16 53.4	18.8	−0.88	− 5.3	2.7/28.8	34059
2000 AM_{58}	2002 08 31.3	22 37.91	−14 27.4	17.7	−0.88	− 7.0	2.6/29.5	33854
2001 HN_{29}	2002 08 31.3	22 37.91	−25 46.7	17.7	−1.08	− 5.0	7.2/25.9	14431
2000 EO_{119}	2002 08 31.3	22 37.93	−20 41.4	19.6	−0.91	− 4.4	3.7/27.6	2760
2000 AS_{220}	2002 08 31.3	22 37.93	−08 12.9	19.1	−0.96	− 4.6	0.2/31.5	2725
2000 CC_{94}	2002 08 31.4	22 37.92	−14 02.7	16.9	−0.93	− 1.1	1.9/30.0	33864
1999 XU_{174}	2002 08 31.4	22 37.96	−29 08.3	19.1	−0.89	− 5.4	6.2/24.5	33849
1999 YM_{4}	2002 08 31.4	22 37.99	−03 33.3	17.5	−0.94	− 1.5	2.6/01.8	33175
2001 HN_{6}	2002 08 31.4	22 37.99	−13 05.6	19.9	−0.81	− 5.8	1.6/30.0	18316
1999 VU_{182}	2002 08 31.4	22 38.05	−18 10.1	19.2	−0.96	− 4.8	3.8/28.6	13625
1219 T-2	2002 08 31.4	22 38.07	−11 32.9	19.7	−0.97	− 3.7	1.5/30.6	13875
1998 SS_{24}	2002 08 31.4	22 38.12	−18 15.1	18.3	−0.86	− 5.2	4.0/28.3	31830
2001 KF_{74}	2002 08 31.4	22 38.19	−20 58.8	20.5	−0.75	− 5.5	3.4/27.3	15103
1992 EC_{14}	2002 08 31.4	22 38.20	−04 07.5	18.9	−0.86	− 4.9	1.6/02.0	33753
2000 DQ_{25}	2002 08 31.4	22 38.22	−09 56.8	18.7	−0.71	− 8.0	0.4/31.0	13658
1998 TU_{8}	2002 08 31.5	22 38.25	−08 02.0	19.7	−0.82	− 5.4	0.2/31.7	16858
1999 XA_{126}	2002 08 31.5	22 38.43	−18 32.3	18.8	−1.05	− 3.7	4.3/28.7	*40418*
2001 FL_{96}	2002 08 31.5	22 38.49	−34 20.9	18.1	−1.09	− 0.7	10.4/24.1	13839
2002 NT_{26}	2002 08 31.5	22 38.51	−14 31.8	18.3	−0.75	−13.2	2.5/29.3	34024
1998 KR_{43}	2002 08 31.5	22 38.52	−53 51.1	18.0	−1.32	− 0.7	17.8/15.2	13566
2001 KK_{41}	2002 08 31.5	22 38.58	+07 31.1	18.3	−0.84	− 4.2	4.9/05.7	33911
2001 FK_{150}	2002 08 31.5	22 38.58	−06 13.8	20.4	−1.00	− 3.4	0.8/01.2	17591
2001 HA_{6}	2002 08 31.6	22 38.57	−33 27.4	18.4	−1.08	− 1.7	8.9/24.0	14429
1991 RG_{1}	2002 08 31.6	22 38.61	−11 48.7	17.0	−0.85	− 3.9	1.6/30.6	32996
2001 CE_{38}	2002 08 31.6	22 38.66	−32 34.6	18.4	−0.80	− 8.6	7.1/22.7	14418
1999 VQ_{178}	2002 08 31.6	22 38.66	−19 45.8	18.5	−0.95	− 7.2	4.3/27.9	33840
1997 NV_{4}	2002 08 31.6	22 38.70	−19 33.7	18.9	−0.82	− 8.0	3.7/27.8	12860
2001 FC_{94}	2002 08 31.6	22 38.71	−15 23.1	19.0	−0.89	− 7.9	2.6/29.4	13838
1999 TJ_{162}	2002 08 31.6	22 38.72	−03 06.1	18.8	−0.81	−10.4	2.6/02.6	33831
1998 QP_{74}	2002 08 31.6	22 38.74	+08 46.7	18.6	−0.82	− 6.6	5.7/06.6	33772
2001 FA_{150}	2002 08 31.6	22 38.76	−00 45.4	18.6	−0.88	− 3.2	2.8/03.0	33403
2002 LJ_{59}	2002 08 31.6	22 38.76	+03 09.3	17.1	−0.63	−12.5	4.6/05.4	33634
2001 FB_{54}	2002 08 31.6	22 38.78	−31 45.8	18.2	−1.08	− 1.4	8.0/24.9	13831
2000 AF_{48}	2002 08 31.6	22 38.79	−18 56.4	18.6	−0.80	− 7.0	3.4/28.1	31889
1994 PP_{12}	2002 08 31.6	22 38.81	−05 53.8	18.9	−0.86	− 5.9	1.0/01.5	33755
2001 EM	2002 08 31.6	22 38.83	−08 43.1	18.3	−0.88	− 8.3	0.1/31.6	33899
2000 AW_{84}	2002 08 31.6	22 38.84	−11 38.6	18.7	−0.90	− 6.8	1.2/30.7	33855
1995 WZ_{31}	2002 08 31.6	22 38.93	−01 27.0	18.9	−0.86	− 4.2	2.4/02.9	33758
2001 EV_{12}	2002 08 31.6	22 38.95	−58 26.8	19.5	−1.32	− 3.0	14.4/13.0	14420
1998 DC_{14}	2002 08 31.6	22 38.97	−06 57.2	18.3	−0.96	− 7.3	0.6/01.2	13557
1999 XQ_{31}	2002 08 31.7	22 38.94	−17 34.3	17.7	−0.78	− 7.8	3.2/28.6	33843
1998 RC_{5}	2002 08 31.7	22 38.95	−11 07.0	17.9	−1.00	− 3.1	1.0/31.0	33774
1999 XB_{4}	2002 08 31.7	22 39.00	−18 02.7	18.6	−0.93	− 6.4	3.6/28.7	33842
2001 DW_{71}	2002 08 31.7	22 39.22	−07 02.1	18.6	−1.04	− 3.0	0.6/01.2	33898
1998 XT_{72}	2002 08 31.7	22 39.23	−01 46.7	17.5	−0.93	− 1.1	2.4/02.6	33791
2000 HB_{25}	2002 08 31.7	22 39.24	+14 33.7	17.6	−0.70	− 5.2	6.4/08.9	33875
1998 RQ_{48}	2002 08 31.7	22 39.26	−07 12.5	18.6	−0.92	− 4.1	0.6/01.2	33776
1997 FH_{3}	2002 08 31.7	22 39.29	−01 58.2	18.8	−0.84	− 8.1	2.4/03.0	33761
2001 FA_{57}	2002 08 31.7	22 39.35	−26 16.4	19.7	−0.99	− 2.8	5.8/26.6	14422

1999 XJ_{233}	2002 08 31.7	22 39.39	−16 01.7	19.3	−0.93	−	6.9	2.8/29.4	13081
2001 FF_{71}	2002 08 31.8	22 39.34	−13 16.0	19.0	−0.91	−	7.4	1.7/30.3	13835
2001 KQ_{4}	2002 08 31.8	22 39.35	−25 55.6	18.1	−0.80	−	3.5	5.6/26.2	33910
2000 AB_{69}	2002 08 31.8	22 39.39	−19 14.7	18.4	−0.91	−	7.8	4.7/28.1	33854
2001 HN_{18}	2002 08 31.8	22 39.39	−11 58.7	18.6	−0.83	−	5.1	1.3/30.7	33908
1998 RV_{39}	2002 08 31.8	22 39.43	−12 50.8	18.0	−0.76	−	8.8	1.8/30.3	33775
2001 FV_{41}	2002 08 31.8	22 39.44	−08 13.8	19.5	−0.89	−	6.3	0.1/31.9	33902
1999 XL_{115}	2002 08 31.8	22 39.49	+02 47.3	18.6	−0.99	−	4.2	5.0/04.1	*38848*
2000 DR_{2}	2002 08 31.8	22 39.52	−08 21.6	18.9	−0.83	−	6.2	0.0/31.9	33864
2001 HT_{33}	2002 08 31.8	22 39.59	−18 28.3	18.6	−0.79	−	3.5	3.4/28.8	33909
1999 XB_{87}	2002 08 31.8	22 39.60	−17 23.1	16.7	−0.78	−	8.5	4.3/28.6	33846
1997 GM_{14}	2002 08 31.8	22 39.61	−02 34.2	19.0	−0.88	−	5.4	2.2/02.7	12117
2001 FQ_{21}	2002 08 31.8	22 39.61	−17 48.7	19.5	−0.96	−	6.8	3.5/28.9	13289
1999 VB_{123}	2002 08 31.8	22 39.68	+01 56.8	18.5	−0.88	−	7.3	4.2/04.4	33839
1998 SD_{23}	2002 08 31.9	22 39.68	−09 36.0	17.7	−0.76	−	7.5	0.5/31.5	33778
2000 AT_{184}	2002 08 31.9	22 39.68	−10 52.6	17.0	−0.86	−10.5		1.0/31.0	33858
2001 HM_{37}	2002 08 31.9	22 39.72	+06 54.8	18.7	−0.75	−	4.4	4.7/06.1	33909
2000 CW_{86}	2002 08 31.9	22 39.76	−14 09.7	18.4	−0.80	−	4.5	1.8/30.1	33863
1998 RK_{48}	2002 08 31.9	22 39.80	−03 17.5	18.7	−0.83	−	5.8	1.6/02.6	33775
2002 NR_{56}	2002 08 31.9	22 39.85	−10 43.4	16.5	−0.61	−	6.7	1.0/31.1	33693
2001 FP_{162}	2002 08 31.9	22 39.91	−04 49.3	20.0	−0.87	−	5.6	1.2/02.1	13373
2000 FB_{59}	2002 08 31.9	22 39.97	−24 04.5	18.8	−0.95	−	3.6	4.9/27.1	2454
2000 GT_{133}	2002 08 31.9	22 40.01	−02 12.4	18.0	−0.68	−	6.9	1.6/03.2	33874
1998 QD_{90}	2002 08 31.9	22 40.01	+07 49.7	16.9	−1.02	+	6.1	8.7/04.4	33773
2000 CY_{141}	2002 09 01.0	22 40.02	−12 55.2	19.1	−0.79	−	6.1	1.5/30.5	13162
1999 CE_{105}	2002 09 01.0	22 40.03	+21 09.1	17.2	−0.79	−	1.1	8.2/10.8	33070
2000 CD_{64}	2002 09 01.0	22 40.05	−15 57.0	19.4	−1.23	+	1.7	2.5/30.3	2737
1995 SY_{41}	2002 09 01.0	22 40.07	−08 57.8	20.2	−0.91	−	6.6	0.2/31.8	14739
1998 RW_{51}	2002 09 01.0	22 40.08	−02 28.5	18.4	−0.85	−	5.5	2.3/02.9	30280
2000 ES_{119}	2002 09 01.0	22 40.11	−21 57.1	17.7	−0.85	−	2.6	4.1/27.9	33870
2000 GS_{88}	2002 09 01.0	22 40.13	−13 33.5	18.3	−0.69	−	6.1	1.4/30.3	1605
2000 AC_{85}	2002 09 01.0	22 40.23	+06 10.3	18.9	−0.86	−	3.5	4.4/05.5	*40433*
1996 FF_{4}	2002 09 01.0	22 40.35	−22 34.8	19.2	−0.96	−	2.4	4.8/28.0	13545
2000 CO_{64}	2002 09 01.0	22 40.37	−16 36.8	20.2	−0.72	−	5.4	2.2/29.3	14821
1999 XC_{166}	2002 09 01.0	22 40.37	−24 36.1	18.2	−1.14	−	1.6	6.1/27.7	33849
2000 AL_{58}	2002 09 01.0	22 40.37	−04 33.8	17.1	−0.87	−	3.2	1.4/02.2	31889
1998 WX_{12}	2002 09 01.0	22 40.40	−06 02.2	17.1	−0.86	−	3.5	0.9/01.8	33789
2001 KY_{37}	2002 09 01.0	22 40.46	−18 29.4	19.1	−0.78	−	5.6	3.2/28.7	25898
2001 JR_{1}	2002 09 01.1	22 40.53	−13 35.2	18.6	−0.80	−	3.3	1.8/30.5	33910
2001 BM_{66}	2002 09 01.1	22 40.56	−13 38.4	18.2	−0.89	−	8.6	2.0/30.4	33894
1998 SH_{127}	2002 09 01.1	22 40.56	−28 08.1	18.8	−1.04	−	1.7	7.9/26.2	30286
1999 NR	2002 09 01.1	22 40.57	−08 54.7	18.0	−0.88	−24.8		0.2/31.9	*35657*
1995 SF_{38}	2002 09 01.1	22 40.59	−07 38.8	19.4	−0.93	−	5.9	0.3/01.4	23430
2000 DP_{45}	2002 09 01.1	22 40.59	−06 22.8	18.4	−0.80	−	5.3	0.7/01.8	33865
2000 DL_{93}	2002 09 01.1	22 40.59	−12 11.5	18.9	−0.81	−	4.4	1.2/30.9	13659
2000 AG_{92}	2002 09 01.1	22 40.63	+04 03.7	18.7	−0.94	−	1.2	4.2/04.6	33855
2000 GZ_{56}	2002 09 01.1	22 40.75	−09 07.5	19.9	−0.74	−	4.2	0.2/31.9	5737
2001 FY_{74}	2002 09 01.2	22 40.78	−15 01.8	20.6	−0.97	−	4.7	2.4/30.2	16093
2001 HY_{22}	2002 09 01.2	22 40.80	−35 04.8	20.5	−0.83	−	4.2	6.9/23.1	15098
2001 FK_{74}	2002 09 01.2	22 40.83	−41 26.2	17.7	−1.31	+	1.8	11.6/23.4	13835
2000 DB_{15}	2002 09 01.2	22 40.91	−07 48.4	18.4	−0.76	−	9.8	0.2/01.4	33865
1999 XE_{72}	2002 09 01.2	22 40.93	−27 14.9	18.6	−1.00	−	6.2	7.1/25.8	*40412*
1999 YJ_{18}	2002 09 01.2	22 41.03	−10 58.9	18.1	−0.78	−12.6		0.8/31.3	33852
1997 AN_{5}	2002 09 01.2	22 41.09	−19 43.2	17.6	−1.01	−	5.4	4.9/28.7	33760
2001 HE_{20}	2002 09 01.2	22 41.13	−16 54.3	17.7	−0.67	−12.0		2.7/28.9	33908
1998 SP_{38}	2002 09 01.2	22 41.14	−14 11.6	19.1	−1.06	−	1.1	2.3/30.8	16851
1996 NR	2002 09 01.3	22 41.16	−23 58.0	19.1	−0.78	−	5.6	4.3/27.1	15023
2001 KM_{34}	2002 09 01.3	22 41.17	−12 26.2	18.6	−0.76	−	5.6	1.4/31.0	33911
2001 EC_{8}	2002 09 01.3	22 41.19	−14 21.6	19.2	−0.96	−	5.4	2.3/30.5	13820
2001 DH_{10}	2002 09 01.3	22 41.22	−17 24.9	20.0	−1.02	−	4.2	3.5/29.7	12293
2000 EF_{52}	2002 09 01.3	22 41.29	−08 26.5	18.0	−0.79	−	4.2	0.0/01.3	33222
2000 AP_{56}	2002 09 01.3	22 41.30	−14 24.2	19.9	−0.85	−	5.5	1.9/30.4	6987
1999 WN_{14}	2002 09 01.3	22 41.31	−17 42.6	20.6	−0.92	−	5.1	2.9/29.4	14378
2000 CU_{92}	2002 09 01.3	22 41.32	−18 07.5	18.0	−0.96	+	0.6	3.0/29.9	33864
2000 AG_{77}	2002 09 01.3	22 41.34	−12 38.0	18.3	−0.89	−	7.1	1.5/30.9	14387
2001 FM_{131}	2002 09 01.3	22 41.40	−00 17.7	18.2	−1.08	+	1.3	3.4/03.3	33906
2000 AU_{2}	2002 09 01.3	22 41.42	−14 55.1	17.4	−0.96	−	6.4	2.8/30.2	33852
1998 VY_{12}	2002 09 01.3	22 41.44	−32 51.7	18.3	−1.02	−	1.9	9.7/24.5	33058
1999 UT_{11}	2002 09 01.3	22 41.48	−06 30.3	20.0	−0.92	−	6.0	0.6/01.9	12968
1999 XM_{134}	2002 09 01.3	22 41.56	−30 13.0	19.2	−1.00	−	3.3	7.0/25.4	29199
1999 YK_{1}	2002 09 01.3	22 41.57	−62 13.3	18.2	−1.66	+	1.1	22.4/13.0	18223
2000 AH_{50}	2002 09 01.4	22 41.54	−15 39.3	17.7	−0.85	−	8.8	2.9/29.8	33853
2001 KO_{37}	2002 09 01.4	22 41.56	−34 22.1	19.7	−0.98	−	3.9	8.4/23.7	14445
1999 CP_{9}	2002 09 01.4	22 41.56	−22 23.5	19.0	−0.88	−	2.4	3.8/28.1	3285
2000 FJ_{22}	2002 09 01.4	22 41.58	−28 52.5	18.5	−0.90	−	1.4	6.0/26.2	741
2001 FP_{53}	2002 09 01.4	22 41.67	−17 04.4	20.2	−1.02	−	4.1	3.0/29.9	13831
2000 VL_{2}	2002 09 01.4	22 41.76	+29 58.0	17.6	−1.27		0.0	16.3/13.9	33885
1998 WX_{3}	2002 09 01.4	22 41.76	−38 21.9	15.9	−0.78	−	3.8	14.2/19.6	33789
2000 CD_{76}	2002 09 01.4	22 41.79	−05 56.6	18.7	−0.83	−	1.7	0.6/02.1	*40454*
1998 WK_{9}	2002 09 01.4	22 41.80	−15 02.4	18.4	−0.81	−	5.8	2.4/30.2	33789
2000 EO_{61}	2002 09 01.4	22 41.83	−20 03.2	17.9	−1.03	+	1.5	4.2/29.6	33868
2001 KX_{40}	2002 09 01.4	22 41.83	−21 34.4	19.4	−0.75	−	6.5	3.8/27.9	33911
1999 UJ_{52}	2002 09 01.4	22 41.87	−17 51.9	20.2	−0.91	−	7.4	3.2/29.3	14376
1995 UL_{57}	2002 09 01.4	22 41.90	−08 39.9	18.8	−0.89	−	4.1	0.2/01.4	15575
1995 MQ_{6}	2002 09 01.4	22 41.90	+12 16.2	19.7	−0.92	−	3.0	9.5/07.9	19255
2001 CR_{31}	2002 09 01.4	22 41.91	−40 29.5	17.1	−1.89	+	7.4	16.3/26.4	15095
1998 HG_{141}	2002 09 01.5	22 41.86	−18 53.0	17.9	−0.94	−	6.9	4.6/29.1	33768
1999 VG_{11}	2002 09 01.5	22 41.90	−21 22.2	17.3	−0.97	−	5.1	5.1/28.5	33836
2001 FS_{99}	2002 09 01.5	22 41.91	−12 51.5	21.0	−0.96	−	5.1	1.6/31.1	13839
1999 XE_{3}	2002 09 01.5	22 41.92	+00 44.3	18.8	−0.88	−	7.0	3.3/04.5	33842
1998 RU_{29}	2002 09 01.5	22 41.92	−13 25.7	18.3	−0.92	−	3.1	2.2/31.0	33774
2000 EN_{93}	2002 09 01.5	22 41.95	+04 32.3	18.0	−0.86	−	5.2	4.6/05.5	33869
2000 DS_{77}	2002 09 01.5	22 42.02	−10 18.3	18.7	−0.81	−	4.3	0.7/31.9	33866
2000 AQ_{227}	2002 09 01.5	22 42.04	−07 36.0	19.0	−0.77	−	3.5	0.2/01.7	33859
1998 XC_{98}	2002 09 01.5	22 42.04	−20 27.4	21.6	−0.74	−	4.1	3.0/28.5	6820
2001 HY_{18}	2002 09 01.5	22 42.09	−08 11.9	19.1	−0.80	−	4.7	0.0/01.6	33908
2000 DW_{25}	2002 09 01.5	22 42.11	−06 41.1	18.1	−0.88	−	1.6	0.5/02.0	33865
2001 KP_{63}	2002 09 01.5	22 42.13	−30 44.9	17.7	−0.79	−	7.3	8.6/24.0	31949
1998 JW_{4}	2002 09 01.5	22 42.14	−15 01.8	18.4	−1.07	−	3.2	2.9/30.7	33768
1998 HP_{139}	2002 09 01.5	22 42.17	−08 24.0	17.2	−1.05	−	4.2	0.1/01.5	33768
2001 KE_{28}	2002 09 01.5	22 42.19	−19 33.6	18.9	−0.85	−	4.7	4.0/28.9	33417
2000 CT_{29}	2002 09 01.5	22 42.23	−08 18.5	18.2	−0.72	−	4.8	0.0/01.6	33862

2001 HP_{3}	2002 09 01.5	22 42.25	−00 00.9	19.8	−0.82	−	6.7	2.6/04.3	14428
2000 DK_{56}	2002 09 01.6	22 42.25	−06 37.4	18.0	−0.66	−	8.7	0.5/02.2	16052
1996 XZ_{26}	2002 09 01.6	22 42.25	−10 37.7	19.1	−0.96	−	4.8	0.8/31.9	14351
2001 FW_{49}	2002 09 01.6	22 42.27	+04 55.4	19.3	−0.79	−	7.0	4.0/06.2	14422
2000 AT_{174}	2002 09 01.6	22 42.28	+05 28.0	19.0	−0.87	−	6.1	4.7/06.1	33858
1999 XZ_{166}	2002 09 01.6	22 42.30	−02 39.1	17.8	−1.03	−	3.1	2.3/03.2	33168
2000 AK_{79}	2002 09 01.6	22 42.31	−17 20.1	16.5	−0.77	−	9.3	4.0/29.3	33855
2000 DS_{84}	2002 09 01.6	22 42.33	−08 33.3	17.7	−0.86	−	3.7	0.1/01.5	33217
1999 XU_{32}	2002 09 01.6	22 42.34	−04 26.5	18.3	−0.92	−	5.6	1.5/02.8	33844
2000 AW_{53}	2002 09 01.6	22 42.37	−14 15.6	18.7	−0.86	−	6.3	2.0/30.7	13643
1999 WZ_{10}	2002 09 01.6	22 42.41	−07 53.8	19.6	−1.02	−	5.9	9.7/13.0	7515
2000 BY_{34}	2002 09 01.6	22 42.42	−41 08.1	19.3	−0.84	−	4.8	7.6/20.3	2732
1999 VA_{190}	2002 09 01.6	22 42.45	+03 08.2	18.5	−0.89	−	6.3	4.7/05.3	33841
2000 AD_{43}	2002 09 01.6	22 42.48	−25 21.8	17.7	−0.85	−	8.2	5.4/26.5	33853
1998 UQ_{23}	2002 09 01.6	22 42.48	−00 25.9	18.1	−0.75	−	9.4	2.8/04.5	33786
1998 TY_{32}	2002 09 01.6	22 42.49	−21 57.4	18.7	−0.91	−	3.4	4.4/28.4	6219
1999 VP_{49}	2002 09 01.6	22 42.58	−22 28.3	18.3	−1.05	−	2.8	5.2/28.7	33837
2001 HX_{65}	2002 09 01.6	22 42.59	−13 07.2	18.5	−0.67	−	9.2	1.5/30.9	33910
1999 TY_{272}	2002 09 01.7	22 42.58	−13 42.1	18.0	−1.10	+	0.5	2.9/31.4	33116
1999 VS_{188}	2002 09 01.7	22 42.60	−23 41.7	17.9	−0.92	−	5.6	7.1/27.6	11675
2000 EY_{169}	2002 09 01.7	22 42.69	−21 50.9	16.7	−0.73	−	7.3	4.9/27.8	33871
2001 CA_{26}	2002 09 01.7	22 42.70	−17 20.3	19.2	−0.99	−	7.2	3.7/29.8	12288
2001 HC_{33}	2002 09 01.7	22 42.71	+00 31.6	20.2	−0.82	−	6.6	2.7/04.6	13452
1999 XG_{120}	2002 09 01.7	22 42.75	−18 05.4	17.9	−1.02	−	2.8	4.2/30.0	33848
1182 T-3	2002 09 01.7	22 42.76	−06 05.0	17.6	−0.85	−	2.3	0.7/02.3	34059
2001 FX_{57}	2002 09 01.7	22 42.84	−26 15.1	18.8	−0.87	−	6.3	6.1/26.6	33390
2001 HF_{23}	2002 09 01.7	22 42.84	−20 57.8	19.1	−0.96	−	3.5	4.8/28.9	33410
2677 P-L	2002 09 01.7	22 42.86	−14 20.9	18.9	−0.96	−	4.4	2.3/30.9	30771
3096 T-2	2002 09 01.7	22 42.88	−17 54.4	17.8	−1.03	−	2.6	4.1/30.1	34058
2000 DV_{108}	2002 09 01.7	22 42.95	−18 03.6	18.4	−0.73	−	6.9	3.1/29.3	33867
2001 DL_{86}	2002 09 01.7	22 42.96	−18 12.2	18.9	−1.05	−	3.4	4.0/29.9	33899
1979 MJ_{3}	2002 09 01.7	22 43.00	−05 44.6	18.4	−0.78	−	6.7	0.8/02.6	33750
2000 BO_{14}	2002 09 01.8	22 42.99	−18 36.5	17.9	−0.78	−	3.5	3.0/29.5	33860
2001 BU_{27}	2002 09 01.8	22 43.00	−04 25.6	19.5	−0.98	−	5.2	1.3/02.9	20836
2000 EZ_{6}	2002 09 01.8	22 43.04	−05 42.7	19.6	−0.68	−	5.9	0.6/02.7	14834
2000 EN_{130}	2002 09 01.8	22 43.07	−12 18.0	18.5	−0.76	−	4.7	1.3/31.5	5725
2000 CT_{23}	2002 09 01.8	22 43.07	−08 46.7	19.7	−0.80	−	7.8	0.2/01.6	33861
2000 CD_{82}	2002 09 01.8	22 43.23	−10 32.3	19.4	−0.74	−	4.3	0.7/01.1	33863
1998 SN_{63}	2002 09 01.9	22 43.46	−05 22.7	17.9	−0.84	−	6.1	1.1/02.8	33779
2001 MF_{27}	2002 09 01.9	22 43.47	−13 29.8	19.4	−0.70	−	7.7	1.6/31.0	33913
1995 TB	2002 09 01.9	22 43.55	−11 43.9	19.1	−1.03	−	4.0	1.5/31.9	15018
1998 SM_{43}	2002 09 01.9	22 43.55	−23 22.3	17.8	−1.11	+	1.1	6.2/29.1	33043
1999 XW_{82}	2002 09 01.9	22 43.59	+03 29.4	19.0	−0.85	−	4.4	3.5/05.6	33846
2001 DE	2002 09 01.9	22 43.69	−06 40.9	19.3	−0.92	−	8.0	0.5/02.4	19921
1998 YY_{13}	2002 09 02.0	22 43.77	−13 18.0	18.5	−0.81	−	4.7	1.9/31.4	33792
2001 KT_{23}	2002 09 02.0	22 43.79	−35 29.8	18.0	−0.92	−	1.7	8.6/24.2	14297
1998 HR_{10}	2002 09 02.0	22 43.84	−13 17.4	19.7	−1.01	−	5.7	2.2/31.5	13563
2000 DS_{24}	2002 09 02.0	22 43.90	−09 37.3	17.8	−0.78	−	4.8	0.6/01.6	33865
2000 CZ_{55}	2002 09 02.0	22 43.91	−02 24.5	18.6	−0.91	−	1.7	1.8/03.6	33205
2000 CQ_{37}	2002 09 02.0	22 43.92	−11 33.9	18.6	−0.88	−	6.4	1.5/31.9	19502
1999 XH_{40}	2002 09 02.0	22 43.97	−12 22.5	20.1	−0.99	−	5.1	1.6/31.8	17096
1999 XS_{59}	2002 09 02.0	22 43.99	−05 42.9	19.5	−0.94	−	5.8	0.8/02.8	*39327*
2000 ED_{8}	2002 09 02.0	22 44.03	−07 49.8	17.8	−0.85	−	4.1	0.1/02.1	33867
1998 RU_{34}	2002 09 02.0	22 44.07	−10 53.3	18.1	−0.74	−	7.0	1.3/01.1	33775
2000 BX_{14}	2002 09 02.0	22 44.07	−23 43.7	18.4	−0.92	−	4.5	5.1/28.0	33860
1999 XM_{58}	2002 09 02.1	22 44.04	−09 33.8	19.1	−0.96	−	6.2	0.6/01.6	347
1999 VO_{67}	2002 09 02.1	22 44.07	+02 19.7	18.9	−0.89	−	6.9	3.9/05.5	33838
2000 AR_{50}	2002 09 02.1	22 44.08	−04 43.0	18.3	−0.86	−	5.9	1.1/03.2	*40430*
1995 TY_{1}	2002 09 02.1	22 44.14	−11 08.0	18.1	−0.96	−	1.6	1.5/01.3	33004
2001 DF_{30}	2002 09 02.1	22 44.20	−12 40.9	19.2	−0.97	−	7.0	1.9/31.7	16091
2000 AB_{208}	2002 09 02.1	22 44.25	−12 17.1	19.4	−0.88	−	6.2	1.4/31.8	13651
1999 XS_{21}	2002 09 02.1	22 44.33	+00 52.4	18.0	−0.80	−	10.3	3.7/05.4	33843
1999 XU_{49}	2002 09 02.1	22 44.33	+02 11.4	18.3	−0.92	−	5.5	4.1/05.4	33844
1998 SK_{60}	2002 09 02.1	22 44.38	−16 00.2	16.4	−0.84	+	0.7	4.3/31.0	33045
2001 BW_{39}	2002 09 02.2	22 44.39	−08 26.1	19.5	−0.96	−	7.6	0.2/02.1	13806
2000 FE_{29}	2002 09 02.2	22 44.41	+04 46.3	18.6	−0.71	−	6.3	3.7/06.6	1587
1998 HB_{92}	2002 09 02.2	22 44.42	−01 02.2	18.3	−0.85	−	9.3	3.0/04.7	11492
1998 RD_{64}	2002 09 02.2	22 44.47	−14 28.1	18.8	−0.94	−	3.5	2.8/31.3	33776
1995 SN_{60}	2002 09 02.2	22 44.51	−12 42.7	20.2	−0.97	−	4.9	1.7/31.8	15573
2000 EK_{47}	2002 09 02.2	22 44.51	−13 29.9	17.3	−0.91	−	3.8	2.0/31.6	33868
2000 AE_{193}	2002 09 02.2	22 44.56	+01 49.9	18.5	−0.75	−	9.3	3.3/05.8	33859
2000 EW_{99}	2002 09 02.2	22 44.59	−09 16.1	17.7	−0.81	−	4.2	0.5/01.8	*40181*
1999 WO_{4}	2002 09 02.2	22 44.59	−08 00.7	16.7	−0.85	−	8.4	0.0/02.2	33148
1996 VZ_{24}	2002 09 02.2	22 44.60	−14 25.1	19.6	−0.96	−	4.7	3.3/31.3	3156
1998 TY_{6}	2002 09 02.2	22 44.69	−22 33.8	16.9	−0.72	−	7.2	6.4/27.9	33785
1989 GE_{3}	2002 09 02.2	22 44.70	−08 24.4	18.7	−0.79	−	3.8	0.1/02.1	33751
2000 AH_{145}	2002 09 02.2	22 44.71	+38 00.2	19.0	−1.43	+	5.5	15.1/14.7	*39579*
2001 BM_{44}	2002 09 02.2	22 44.73	−15 53.2	19.4	−0.94	−	5.8	2.7/30.8	13807
2000 EP_{85}	2002 09 02.2	22 44.76	+06 09.0	18.6	−0.74	−	4.7	4.3/07.0	33869
2001 FC_{22}	2002 09 02.3	22 44.76	−20 11.0	20.1	−0.91	−	4.4	3.9/29.5	14421
2001 EC_{22}	2002 09 02.3	22 44.77	−02 07.4	18.9	−1.01	−	4.8	2.3/04.0	33900
2000 AL_{172}	2002 09 02.3	22 44.83	−07 56.8	18.6	−0.85	−	8.8	0.0/02.3	13127
2000 CY_{63}	2002 09 02.3	22 44.88	−01 17.3	18.5	−0.85	−	1.5	2.1/04.2	6999
2001 CY_{15}	2002 09 02.3	22 44.98	−13 02.2	18.7	−1.00	−	5.0	2.1/31.8	33895
1999 VH_{176}	2002 09 02.3	22 45.02	−02 36.7	19.2	−0.91	−	7.7	2.0/04.1	33840
2000 AN_{14}	2002 09 02.3	22 45.04	−04 56.2	19.5	−0.96	−	5.3	1.2/03.3	15654
2000 FU_{17}	2002 09 02.3	22 45.04	−24 41.2	18.3	−0.79	−	4.3	4.6/27.8	740
1999 XJ_{60}	2002 09 02.3	22 45.06	−21 51.5	18.4	−0.95	−	6.0	6.0/28.8	33156
2001 DD_{47}	2002 09 02.3	22 45.06	−07 46.9	18.5	−1.08	−	2.3	0.1/02.4	33898
2001 JO_{2}	2002 09 02.3	22 45.13	−03 59.9	19.1	−0.76	−	6.7	1.2/03.7	33910
1999 VO_{187}	2002 09 02.3	22 45.16	−09 47.5	19.5	−0.91	−	6.4	0.7/01.8	13625
1999 TY_{104}	2002 09 02.3	22 45.18	−00 56.9	18.6	−0.98	−	5.5	2.6/04.5	33828
2001 HJ_{32}	2002 09 02.3	22 45.19	−26 08.8	18.4	−0.93	−	1.0	5.7/28.3	18317
1978 VH_{10}	2002 09 02.4	22 45.10	−13 01.3	18.1	−0.79	−	5.0	1.7/31.7	33750
2000 EB_{118}	2002 09 02.4	22 45.11	−27 06.6	18.4	−0.82	−	3.7	5.5/27.1	33870
2000 GN_{63}	2002 09 02.4	22 45.21	−10 32.1	18.2	−0.74	−	5.2	0.8/01.6	33873
1999 UP_{26}	2002 09 02.4	22 45.21	−06 39.7	18.3	−1.03	−	3.5	0.6/02.8	*40387*
2001 FT_{57}	2002 09 02.4	22 45.26	+02 41.1	18.2	−0.69	−	6.6	3.0/06.2	33903
1999 XX_{165}	2002 09 02.4	22 45.27	−22 12.4	19.0	−0.93	−	5.3	4.7/28.8	33849
2000 CY_{47}	2002 09 02.4	22 45.29	−04 00.8	18.5	−0.72	−	8.5	1.2/03.8	14395
1998 XR_{25}	2002 09 02.4	22 45.33	−20 18.8	18.8	−0.85	−	4.2	4.5/29.5	33790
1997 RW_{1}	2002 09 02.4	22 45.36	−19 51.3	19.0	−0.85	−	2.8	3.6/29.8	33014

1996 AM_{7}	2002 09 02.4	22 45.41	−10 23.4	19.9	−0.88	−	4.6	0.9/01.7	14349
1998 SQ_{74}	2002 09 02.4	22 45.46	−15 25.0	18.3	−0.84	−	5.0	2.5/31.1	33779
2000 GG_{99}	2002 09 02.4	22 45.50	+04 15.0	18.3	−0.72	−	5.2	3.6/06.6	33231
2001 BV_{77}	2002 09 02.5	22 45.55	−06 33.4	18.4	−0.84	−	9.0	0.5/03.0	33894
1998 HO_{51}	2002 09 02.5	22 45.58	−14 27.4	17.9	−0.95	−	6.5	2.8/31.4	33767
1999 VJ_{12}	2002 09 02.5	22 45.66	−09 45.5	16.9	−0.90	+	0.8	1.1/02.1	33836
1999 YE_{4}	2002 09 02.5	22 45.66	−26 43.4	18.4	−1.49	+	2.1	7.7/29.2	*39566*
2001 FN_{130}	2002 09 02.5	22 45.68	−15 28.9	18.9	−0.87	−	4.0	2.7/31.2	13344
1999 XN_{129}	2002 09 02.5	22 45.69	−14 41.1	18.5	−1.05	−	2.7	2.6/31.7	33848
2001 FT_{44}	2002 09 02.5	22 45.77	−15 19.3	18.5	−1.00	−	3.3	2.8/31.4	13830
2000 DQ_{39}	2002 09 02.5	22 45.82	−03 25.6	18.1	−0.86	−	1.9	1.5/03.8	33212
2001 FX_{117}	2002 09 02.6	22 45.85	−14 40.5	19.5	−0.93	−	3.8	2.5/31.6	18314
2001 EP_{9}	2002 09 02.6	22 45.86	−08 20.5	18.6	−0.88	−	9.3	0.2/02.4	33900
6603 P-L	2002 09 02.6	22 45.86	−08 22.0	18.1	−0.79	−	6.3	0.2/02.4	18107
2000 CN_{49}	2002 09 02.6	22 45.88	−01 32.5	17.9	−0.82	−	4.7	2.0/04.6	33862
2002 NH_{33}	2002 09 02.6	22 45.91	+12 33.7	17.5	−0.86	−	1.7	8.2/08.9	33675
2001 FS_{18}	2002 09 02.6	22 45.91	+01 01.7	19.5	−0.81	−	7.4	3.0/05.7	14421
2000 EX_{86}	2002 09 02.6	22 45.91	+00 20.9	18.7	−0.82	−	7.2	2.8/05.4	33869
2001 FR_{19}	2002 09 02.6	22 45.92	−05 41.8	18.5	−0.91	−	4.3	0.7/03.3	33901
1998 XR_{51}	2002 09 02.6	22 45.92	−16 52.0	18.0	−0.84	−	2.3	2.9/30.9	12145
2002 PT_{47}	2002 09 02.6	22 45.92	+06 46.1	18.2	−0.97	−	2.1	5.0/06.7	33729
1998 SO_{138}	2002 09 02.6	22 45.95	+04 56.3	18.6	−0.77	−	8.6	4.9/07.0	33053
1999 VM_{83}	2002 09 02.6	22 46.01	−07 10.2	19.2	−1.01	−	5.0	0.3/02.8	12995
2000 FW_{55}	2002 09 02.6	22 46.12	−22 55.6	18.3	−0.70	−	8.6	4.1/28.0	2763
1996 DR_{2}	2002 09 02.6	22 46.18	−06 39.6	18.2	−0.90	−	3.3	0.4/03.0	33758
2002 PU_{47}	2002 09 02.7	22 46.24	+04 26.4	17.7	−0.90	−	4.6	6.0/07.0	33729
2001 FV_{19}	2002 09 02.7	22 46.24	−06 37.4	19.3	−0.94	−	5.1	0.4/03.1	13287
2000 DM_{23}	2002 09 02.7	22 46.25	−07 56.1	17.8	−0.77	−	5.1	0.0/02.7	33865
2000 EV_{65}	2002 09 02.7	22 46.27	−09 08.3	18.3	−0.75	−	4.4	0.4/02.3	33868
1998 TN_{26}	2002 09 02.7	22 46.34	−10 14.8	18.2	−0.80	−	3.6	1.2/02.0	33055
2000 AF_{62}	2002 09 02.7	22 46.36	−21 37.9	18.0	−0.83	−	8.7	4.5/28.7	33854
2001 FF_{122}	2002 09 02.7	22 46.40	−17 51.3	19.4	−0.95	−	5.3	3.8/30.6	17587
1998 YV_{18}	2002 09 02.7	22 46.43	−14 34.9	18.7	−0.81	−	5.8	2.4/31.5	33792
2001 HY_{48}	2002 09 02.7	22 46.51	+16 20.2	17.0	−0.83	−	4.4	8.2/11.4	33413
2000 CT_{65}	2002 09 02.7	22 46.53	−09 23.3	18.2	−0.79	−	5.8	0.5/02.2	33863
1999 VA_{148}	2002 09 02.7	22 46.55	−22 42.5	18.0	−1.01	−	4.1	6.2/29.3	13624
2000 GS_{21}	2002 09 02.7	22 46.56	−05 51.8	18.4	−0.83	−	5.6	0.7/03.4	33873
2001 FH_{112}	2002 09 02.7	22 46.58	−18 46.6	18.6	−1.02	−	1.3	3.9/30.8	33905
1999 TZ_{195}	2002 09 02.7	22 46.59	+03 39.9	18.2	−0.90	−	1.8	6.1/06.1	33110
1998 VW_{53}	2002 09 02.7	22 46.63	+03 14.0	18.1	−0.89	−	2.5	3.9/06.0	33788
1998 VR_{12}	2002 09 02.8	22 46.61	−10 46.8	18.7	−0.84	−	5.9	1.1/01.8	33787
2000 DR_{100}	2002 09 02.8	22 46.79	−17 02.1	17.2	−0.88	−	1.5	3.3/31.2	33867
2000 EP_{130}	2002 09 02.8	22 46.84	−13 15.0	18.9	−0.76	−	3.4	1.6/01.1	33870
1993 DK_{2}	2002 09 02.8	22 46.90	−08 32.0	19.0	−1.36	+	2.6	0.3/02.7	33753
2001 GO_{6}	2002 09 02.8	22 46.93	−11 06.4	20.0	−0.90	−	6.0	1.1/01.8	13849
2000 EX_{145}	2002 09 02.8	22 46.95	−09 10.2	17.9	−0.73	−	6.6	0.5/02.4	22131
1999 TL_{195}	2002 09 02.8	22 46.99	−10 03.4	17.5	−1.08	−	2.1	0.9/02.3	33832
1998 SV_{130}	2002 09 02.9	22 46.92	−16 03.6	19.2	−0.92	−	3.1	2.6/31.4	31835
1999 VH_{73}	2002 09 02.9	22 46.95	−05 16.4	19.2	−0.95	−	6.9	0.9/03.7	13622
1998 VE_{1}	2002 09 02.9	22 46.96	−37 00.1	18.1	−0.99	−	3.5	12.8/22.5	20708
1999 VS_{60}	2002 09 02.9	22 47.01	−13 10.4	18.3	−0.97	−	5.5	2.1/01.3	13622
2000 DQ_{73}	2002 09 02.9	22 47.04	−08 20.7	18.2	−0.78	−	5.6	0.2/02.7	33866
1999 XK_{189}	2002 09 02.9	22 47.05	−04 14.4	18.0	−0.97	−	3.5	1.3/03.9	33850
1999 XO_{11}	2002 09 02.9	22 47.05	−00 51.0	18.2	−0.99	−	4.5	2.5/04.9	*40404*
1998 SD_{145}	2002 09 02.9	22 47.06	−15 26.0	17.7	−0.87	−	4.1	3.1/31.5	33784
1999 XW_{193}	2002 09 02.9	22 47.14	−02 22.9	18.7	−0.98	−	3.4	2.1/04.5	2246
2000 AK_{30}	2002 09 02.9	22 47.19	−12 24.5	17.0	−0.86	−	4.8	2.2/01.5	33853
1997 HM_{11}	2002 09 02.9	22 47.19	−07 40.6	18.5	−0.89	−	4.6	0.0/03.0	33761
2001 DK_{21}	2002 09 02.9	22 47.24	−21 36.8	17.8	−0.94	−	2.0	5.5/30.0	33897
2002 NX_{26}	2002 09 02.9	22 47.32	+00 50.0	18.2	−0.84	+	1.9	4.6/05.2	33669
2001 BR_{61}	2002 09 02.9	22 47.34	−03 07.8	18.3	−1.01	−	4.4	1.7/04.3	13808
2000 DW_{110}	2002 09 02.9	22 47.34	−40 16.4	19.7	−1.17	−	0.3	9.4/24.0	18237
1998 RX_{60}	2002 09 02.9	22 47.34	−01 27.2	17.7	−0.87	−	3.2	2.7/04.9	33776
1999 XO_{5}	2002 09 03.0	22 47.34	−11 37.1	19.4	−0.98	−	5.9	1.6/01.8	14156
1992 EF_{6}	2002 09 03.0	22 47.41	−14 39.3	19.5	−0.86	−	5.8	2.3/31.8	18133
1981 EB_{8}	2002 09 03.0	22 47.41	−02 24.9	17.9	−1.01	−	2.4	2.1/04.5	33750
2000 EQ_{42}	2002 09 03.0	22 47.49	−16 16.8	18.5	−0.82	−	2.4	2.6/31.5	1251
1999 VW_{129}	2002 09 03.0	22 47.50	−02 32.1	18.7	−0.94	−	5.7	2.5/04.7	33139
1998 SH_{117}	2002 09 03.0	22 47.56	+02 54.7	17.8	−0.83	−	5.7	4.5/06.5	33051
2001 FW_{57}	2002 09 03.0	22 47.57	−13 58.8	18.0	−0.99	−	1.5	2.1/01.4	33903
2000 FD_{57}	2002 09 03.0	22 47.58	−03 18.5	17.4	−0.87	−	1.4	1.5/04.3	33872
2000 CP_{40}	2002 09 03.0	22 47.69	−16 14.4	19.2	−0.72	−	6.4	2.4/31.1	14395
2000 CT_{114}	2002 09 03.0	22 47.71	+05 43.4	19.2	−0.86	−	3.0	4.3/07.2	18233
2001 FT_{80}	2002 09 03.1	22 47.65	−02 18.4	18.6	−0.97	−	3.1	2.0/04.6	13837
2000 AH_{143}	2002 09 03.1	22 47.66	−02 10.1	19.1	−0.85	−	5.0	1.7/04.8	*40439*
2001 FW_{96}	2002 09 03.1	22 47.75	−22 17.1	17.8	−0.88	−	6.0	6.6/29.2	13330
1997 YW_{1}	2002 09 03.1	22 47.77	−18 14.7	18.5	−0.91	−	2.9	3.4/30.9	20694
1999 XU_{250}	2002 09 03.1	22 47.78	−13 29.6	20.2	−0.95	−	5.8	2.1/01.3	13085
2000 DV_{87}	2002 09 03.1	22 47.91	−19 24.7	18.6	−0.75	−	5.7	3.6/30.2	33866
2000 AO_{131}	2002 09 03.1	22 47.96	−12 22.9	17.7	−1.05	−	2.1	2.1/01.9	33857
2000 EW_{61}	2002 09 03.1	22 47.96	+00 52.6	20.5	−0.66	−	7.6	2.3/06.3	14842
1998 TK_{6}	2002 09 03.2	22 48.07	+16 05.4	19.6	−0.78	−	9.5	6.9/12.3	16858
1994 PS_{38}	2002 09 03.2	22 48.14	−05 58.8	17.0	−0.65	−	3.5	0.5/03.8	33756
1999 XE_{177}	2002 09 03.2	22 48.19	−27 08.8	18.5	−0.96	−	6.4	7.3/27.4	13073
1998 KO_{64}	2002 09 03.2	22 48.19	−16 11.1	18.7	−0.99	−	6.4	3.3/31.5	33769
1999 XD_{22}	2002 09 03.2	22 48.22	−12 28.2	18.2	−0.78	−	7.5	1.5/01.6	33843
1999 PY	2002 09 03.2	22 48.24	−20 48.6	16.6	−1.00	−	3.2	6.3/30.3	33815
1999 XR_{176}	2002 09 03.2	22 48.26	−11 40.7	15.7	−1.10	+	2.9	2.1/02.4	33850
1997 WQ_{15}	2002 09 03.2	22 48.27	−01 03.9	18.6	−0.70	−	5.6	2.3/05.5	33763
2001 FS_{54}	2002 09 03.2	22 48.32	−08 46.9	19.5	−0.91	−	6.7	0.4/02.9	14422
2001 HY_{8}	2002 09 03.2	22 48.38	−11 45.7	18.1	−0.74	−	4.9	1.5/01.9	33908
2001 HL_{50}	2002 09 03.2	22 48.38	−23 24.8	18.4	−0.85	−	6.2	4.9/29.0	14434
2000 CF_{30}	2002 09 03.2	22 48.40	−10 38.8	18.0	−0.85	−	9.8	1.2/02.2	33862
2000 CF_{64}	2002 09 03.3	22 48.40	+06 02.4	19.1	−0.77	−	6.7	4.2/08.0	33863
2000 DB_{72}	2002 09 03.3	22 48.41	−09 57.0	18.7	−0.84	−	4.3	0.8/02.6	31900
2001 FK_{110}	2002 09 03.3	22 48.49	−05 49.7	19.7	−0.85	−	6.8	0.6/03.9	14424
1999 CO_{136}	2002 09 03.3	22 48.50	−07 08.1	19.8	−0.72	−	4.4	0.1/03.5	16951
1997 TY_{16}	2002 09 03.3	22 48.51	+05 40.0	18.8	−0.66	−	7.2	3.5/08.2	33762
1999 VB_{26}	2002 09 03.3	22 48.59	+33 37.9	19.5	−0.97	−	4.0	15.6/19.4	33836
1997 ET_{41}	2002 09 03.3	22 48.60	−04 18.0	18.9	−0.98	−	5.4	1.3/04.3	33761
1999 TN_{63}	2002 09 03.3	22 48.64	−20 34.8	19.8	−1.00	−	4.3	4.9/30.4	13611
1999 XB_{91}	2002 09 03.3	22 48.69	+09 04.2	18.7	−0.91	−	3.1	6.0/08.5	33846

1998 HH_{86}	2002 09 03.3	22 48.70	+02 14.1	19.4	−0.91	− 7.9	4.1/07.0	33767
1998 QX_{52}	2002 09 03.3	22 48.71	+07 31.1	17.5	−0.41	−14.2	7.2/10.3	33029
2000 AX_{103}	2002 09 03.3	22 48.72	−02 35.6	18.0	−0.84	− 8.9	2.1/05.1	14185
1998 KY_{8}	2002 09 03.3	22 48.74	−09 59.9	17.0	−0.88	− 9.9	1.0/02.5	13566
1998 QC_{56}	2002 09 03.3	22 48.74	−38 34.9	17.7	−1.84	+ 6.9	12.9/27.8	*40331*
1998 QW_{87}	2002 09 03.4	22 48.73	+14 03.6	18.6	−0.79	− 7.2	8.1/11.3	13573
1994 TO_{4}	2002 09 03.4	22 48.76	+04 12.3	18.0	−0.71	−12.0	4.6/08.1	33756
1998 RA_{75}	2002 09 03.4	22 48.77	−16 02.1	17.8	−1.00	− 1.9	3.0/01.0	33777
2000 CO_{77}	2002 09 03.4	22 48.83	−08 45.6	18.9	−0.88	− 1.1	0.4/03.1	*40455*
2001 FV_{96}	2002 09 03.4	22 48.84	−31 53.4	18.5	−1.12	+ 0.6	9.8/27.9	13330
2001 FY_{39}	2002 09 03.4	22 48.87	−07 06.0	19.3	−0.92	− 4.0	0.2/03.6	19927
1996 GA_{11}	2002 09 03.4	22 48.90	−07 17.5	19.2	−0.81	− 5.9	0.1/03.5	13545
1998 RX_{2}	2002 09 03.4	22 48.94	−04 01.5	18.3	−0.78	− 8.9	1.3/04.7	12882
2000 JS_{70}	2002 09 03.4	22 48.98	+07 41.2	18.5	−0.75	− 3.9	4.4/08.5	33234
2662 P-L	2002 09 03.4	22 48.99	−17 00.1	18.6	−1.08	− 2.7	3.8/31.8	34057
2000 DN_{4}	2002 09 03.4	22 49.07	−14 59.7	18.4	−0.87	− 3.5	2.5/01.2	33864
2001 KX_{36}	2002 09 03.4	22 49.14	−02 23.2	18.9	−0.73	− 5.4	1.5/05.2	14937
2000 DX_{55}	2002 09 03.4	22 49.14	−08 51.6	18.7	−0.79	− 6.2	0.4/03.0	33866
2000 BW_{28}	2002 09 03.5	22 49.11	−17 48.5	19.0	−0.75	− 8.4	3.1/30.8	15059
2000 BF_{26}	2002 09 03.5	22 49.13	−18 34.7	20.3	−0.81	− 6.6	3.5/30.7	14393
2001 GB_{11}	2002 09 03.5	22 49.14	−02 49.2	19.6	−0.90	− 5.2	1.6/05.0	14428
2001 JP_{5}	2002 09 03.5	22 49.20	−14 34.5	19.2	−0.76	− 5.4	2.1/01.2	14281
2000 CC_{3}	2002 09 03.5	22 49.30	−22 46.8	18.7	−0.87	− 6.1	4.5/29.4	19498
2001 FY_{69}	2002 09 03.5	22 49.30	−11 03.8	18.6	−0.89	− 7.3	1.3/02.4	13834
2001 AJ_{25}	2002 09 03.5	22 49.30	−16 40.1	19.5	−0.92	− 6.2	2.9/31.6	25367
1998 SW_{137}	2002 09 03.5	22 49.34	−03 57.9	19.0	−0.78	− 7.0	1.2/04.8	33783
2001 HL_{24}	2002 09 03.5	22 49.36	−14 32.7	19.7	−0.85	− 4.1	2.6/01.4	14431
2001 EP_{11}	2002 09 03.5	22 49.38	−19 36.7	19.2	−0.84	− 6.7	3.7/30.5	14419
2001 KN_{6}	2002 09 03.5	22 49.43	−11 35.3	18.2	−0.78	− 5.4	1.4/02.2	33910
1999 WH_{8}	2002 09 03.5	22 49.47	−04 50.5	18.6	−0.91	− 4.2	0.9/04.4	33842
1999 VE_{44}	2002 09 03.5	22 49.47	−11 36.3	18.4	−0.99	− 3.9	2.0/02.4	33837
1998 XV_{95}	2002 09 03.5	22 49.50	−01 51.5	18.1	−0.72	− 6.0	1.7/05.5	33791
1998 HS_{10}	2002 09 03.6	22 49.51	−15 43.5	18.4	−1.00	− 4.2	3.8/01.2	33021
1994 WD_{3}	2002 09 03.6	22 49.54	−32 36.3	17.8	−0.94	− 4.6	9.7/25.6	33756
2000 AH_{102}	2002 09 03.6	22 49.54	−24 47.7	18.1	−0.91	− 8.7	7.6/28.2	14185
2001 FS_{143}	2002 09 03.6	22 49.59	−22 28.1	17.7	−0.93	− 4.8	6.4/29.8	33906
2001 FG_{130}	2002 09 03.6	22 49.59	−04 06.8	19.5	−1.00	− 6.5	1.3/04.7	13344
1995 VK_{8}	2002 09 03.6	22 49.59	−04 23.2	19.8	−0.92	− 5.9	1.2/04.6	9681
1997 AS_{19}	2002 09 03.6	22 49.72	−03 51.2	19.8	−0.93	− 5.5	1.3/04.8	13549
1998 RX_{74}	2002 09 03.6	22 49.73	−06 25.3	18.0	−0.87	− 4.8	0.3/04.0	33777
1999 CC_{43}	2002 09 03.6	22 49.75	−08 35.7	19.1	−0.76	− 3.5	0.3/03.3	33797
2001 DF_{87}	2002 09 03.6	22 49.79	−13 31.3	19.5	−0.86	−13.8	2.0/01.4	13817
2001 KN_{32}	2002 09 03.6	22 49.79	−10 09.5	20.6	−0.81	− 6.0	0.9/02.8	14304
2000 DC_{110}	2002 09 03.6	22 49.82	−07 53.3	18.4	−0.68	− 7.8	0.1/03.5	33867
1998 TD_{11}	2002 09 03.7	22 49.89	−14 37.5	19.4	−0.84	− 4.5	2.3/01.4	6219
2000 FX_{21}	2002 09 03.7	22 49.89	−26 31.0	19.0	−0.77	− 4.1	5.6/28.2	33872
1998 US_{6}	2002 09 03.7	22 49.93	−15 20.5	19.0	−0.90	− 4.2	2.8/01.3	31839
2000 BW_{22}	2002 09 03.7	22 49.94	−05 58.4	18.7	−0.83	− 5.6	0.5/04.2	13653
1999 XB_{33}	2002 09 03.7	22 49.96	−12 32.6	18.2	−0.93	− 6.8	1.9/02.1	33844
2001 FA_{2}	2002 09 03.7	22 49.97	−02 17.9	17.3	−0.62	−14.9	1.8/05.9	33383
2001 FE_{65}	2002 09 03.7	22 49.97	−15 23.2	19.7	−0.95	− 5.9	2.8/01.2	13833
1998 QY_{44}	2002 09 03.7	22 50.01	+00 02.4	18.8	−0.77	− 6.3	3.4/06.3	30274
2000 EM_{90}	2002 09 03.7	22 50.03	+02 27.9	21.2	−0.68	− 5.9	2.4/07.2	26940
2000 FB_{42}	2002 09 03.7	22 50.07	−10 36.3	18.7	−0.70	− 6.4	0.9/02.7	33872
1981 DJ_{3}	2002 09 03.7	22 50.11	+02 10.1	19.6	−0.84	− 3.7	3.0/06.7	*26914*
2000 CM_{60}	2002 09 03.7	22 50.11	+01 16.9	18.4	−0.70	− 6.9	2.7/07.0	33863
1999 VA_{161}	2002 09 03.7	22 50.12	−12 41.9	19.9	−0.94	− 5.0	1.8/02.1	14378
1999 UV_{8}	2002 09 03.7	22 50.19	−13 10.0	19.1	−1.00	− 6.0	2.6/02.0	33834
1999 XJ_{132}	2002 09 03.7	22 50.19	−21 02.2	19.2	−0.99	− 4.8	4.6/30.5	15053
2001 FZ_{169}	2002 09 03.8	22 50.22	+06 40.8	19.0	−0.97	− 4.3	5.5/08.2	33907
1999 VU_{24}	2002 09 03.8	22 50.23	−54 27.1	20.0	−1.44	− 2.8	17.1/18.0	2680
3536 P-L	2002 09 03.8	22 50.23	−10 43.5	17.4	−1.12	+ 0.3	1.4/03.0	33735
2000 DK_{104}	2002 09 03.8	22 50.35	−19 47.5	17.2	−0.88	− 1.0	4.0/31.3	33867
1999 UR_{20}	2002 09 03.8	22 50.37	−17 55.0	19.9	−1.07	− 4.2	4.2/31.8	13617
1998 SR_{25}	2002 09 03.8	22 50.40	−18 19.0	17.3	−0.80	− 4.6	5.0/31.2	33042
1999 TX_{9}	2002 09 03.8	22 50.42	−56 01.9	17.6	−1.70	+ 0.1	18.6/18.0	14375
1998 FX_{115}	2002 09 03.8	22 50.42	−00 56.6	19.0	−1.06	− 4.4	2.6/05.7	33766
2001 FP_{156}	2002 09 03.8	22 50.47	−13 32.8	20.3	−0.94	− 8.0	2.2/01.8	13363
2000 AE_{1}	2002 09 03.8	22 50.56	−06 27.7	19.1	−0.91	− 5.7	0.4/04.2	2256
1951 QD	2002 09 03.8	22 50.57	−15 51.3	17.6	−0.80	− 8.0	3.0/31.9	33749
2000 GE_{36}	2002 09 03.8	22 50.59	−09 55.3	17.8	−0.77	− 4.4	0.8/03.1	33873
1996 CP_{1}	2002 09 03.9	22 50.53	−17 28.2	18.2	−0.88	− 6.2	3.5/31.6	33758
2000 GB_{12}	2002 09 03.9	22 50.82	−02 55.4	20.3	−0.70	− 5.1	1.2/05.5	26948
1998 QV_{75}	2002 09 03.9	22 50.86	+06 09.1	17.7	−0.68	−11.9	5.6/09.3	33030
1995 VE_{6}	2002 09 03.9	22 50.86	−19 00.6	18.2	−0.94	− 4.0	5.0/31.4	33758
2000 EW_{145}	2002 09 03.9	22 50.87	−18 16.1	18.7	−0.79	− 8.5	3.4/31.0	33226
2000 BM_{9}	2002 09 03.9	22 50.87	−06 40.2	18.3	−0.86	− 5.8	0.3/04.2	6995
2001 FW_{90}	2002 09 03.9	22 50.89	−46 04.7	20.0	−1.27	+ 3.0	11.7/25.0	13838
1999 TT_{178}	2002 09 03.9	22 50.93	−16 15.2	19.5	−0.96	− 5.7	3.0/01.2	12957
2001 FV_{74}	2002 09 03.9	22 50.94	−04 54.1	18.4	−0.84	− 7.9	0.9/04.8	33904
2000 HU_{7}	2002 09 03.9	22 50.95	−27 51.1	19.3	−0.84	− 2.8	5.2/28.3	33875
2000 EY_{167}	2002 09 03.9	22 50.97	−23 58.1	18.5	−0.95	− 1.6	5.0/30.1	403
2001 FT_{17}	2002 09 04.0	22 50.89	−01 31.7	20.4	−0.94	− 7.0	2.1/05.9	14929
2000 AD_{78}	2002 09 04.0	22 50.96	−17 05.5	17.5	−0.87	−10.2	4.5/31.4	33183
1999 FS_{35}	2002 09 04.0	22 50.97	−02 23.7	18.4	−0.65	−10.2	1.4/05.9	33805
2000 CY_{1}	2002 09 04.0	22 51.00	−16 10.2	18.4	−0.91	− 7.4	3.0/01.0	1567
2001 KL_{15}	2002 09 04.0	22 51.10	+16 37.9	18.9	−0.81	− 6.8	7.4/12.9	15100
2001 HP_{35}	2002 09 04.0	22 51.11	+09 36.1	19.0	−0.74	− 5.4	5.2/10.1	14432
1999 VB_{169}	2002 09 04.0	22 51.17	−19 38.8	19.6	−1.04	− 4.8	5.1/31.2	6261
1996 EC_{6}	2002 09 04.0	22 51.23	−04 51.7	19.0	−0.84	− 7.6	0.8/04.9	*40312*
1998 XO_{5}	2002 09 04.0	22 51.29	−12 22.6	20.1	−0.80	− 5.0	1.6/02.4	*40050*
2000 EL_{18}	2002 09 04.0	22 51.32	−12 27.3	19.1	−0.80	− 4.9	1.6/02.4	33867
2000 GK_{95}	2002 09 04.1	22 51.25	+04 42.3	20.9	−0.70	− 4.9	2.9/08.2	25020
1997 UN_{20}	2002 09 04.1	22 51.29	−04 19.7	19.8	−0.77	− 3.1	0.8/05.0	33763
1999 BP	2002 09 04.1	22 51.33	−19 30.0	18.6	−0.74	− 6.6	3.5/30.8	31849
2001 HD_{41}	2002 09 04.1	22 51.36	−25 57.7	18.9	−0.87	− 7.7	6.0/28.4	33909
2001 EF_{7}	2002 09 04.1	22 51.37	−16 36.7	18.1	−0.92	− 5.3	4.1/01.2	33900
2000 AL_{37}	2002 09 04.1	22 51.40	−05 17.2	20.1	−0.87	− 4.7	0.6/04.8	2262
2000 AK_{16}	2002 09 04.1	22 51.48	−22 22.3	16.3	−0.86	− 5.8	6.9/30.0	23512
1997 HS_{14}	2002 09 04.1	22 51.54	−06 26.9	20.2	−0.92	− 6.1	0.3/04.4	4347
1999 CZ_{54}	2002 09 04.1	22 51.64	−16 04.3	17.7	−0.69	− 5.0	2.4/01.2	33798
2854 P-L	2002 09 04.1	22 51.66	−10 26.2	20.6	−0.82	− 3.9	0.8/03.2	7400

1999 FV_{39}	2002 09 04.1	22 51.67	−09 41.4	17.4	−0.85	− 1.9	0.8/03.5	33071
1998 QB_{6}	2002 09 04.2	22 51.63	−03 14.0	18.8	−0.79	− 6.4	1.7/05.6	2634
2001 FW_{20}	2002 09 04.2	22 51.71	−00 53.4	19.7	−0.88	− 5.6	2.1/06.3	33901
1999 XO_{31}	2002 09 04.2	22 51.78	−20 23.8	18.4	−0.82	− 6.7	3.8/30.7	31881
1992 SY_{11}	2002 09 04.2	22 51.85	−01 04.1	19.3	−0.72	− 7.4	1.8/06.4	6711
1998 YW_{11}	2002 09 04.2	22 51.86	−00 14.5	17.9	−0.76	− 2.9	2.0/06.4	*40351*
1996 DO	2002 09 04.2	22 51.89	−08 08.2	18.2	−0.88	− 4.2	0.3/04.0	33758
2000 AL_{39}	2002 09 04.2	22 51.90	−14 06.7	16.9	−0.87	− 4.6	3.2/02.1	33180
2001 MY_{1}	2002 09 04.2	22 52.04	−26 01.5	17.6	−1.04	− 2.1	6.3/29.8	33912
1978 VA_{9}	2002 09 04.2	22 52.06	+00 02.7	19.7	−0.87	− 5.3	2.3/06.6	*39931*
2000 DZ_{109}	2002 09 04.3	22 52.00	−06 11.6	19.0	−0.82	− 6.8	0.3/04.6	31901
2002 OG_{3}	2002 09 04.3	22 52.01	+06 22.9	17.6	−0.73	−21.5	5.4/10.4	33698
1999 XL_{45}	2002 09 04.3	22 52.06	−24 45.1	16.5	−0.75	− 1.4	9.9/29.7	33844
1999 VE_{170}	2002 09 04.3	22 52.07	−07 03.2	19.7	−0.95	− 5.0	0.1/04.4	3464
1994 LM	2002 09 04.3	22 52.10	+36 16.7	18.4	−1.19	0.0	20.4/22.1	33755
1998 RQ_{61}	2002 09 04.3	22 52.14	−05 41.7	17.4	−0.92	− 3.8	0.6/04.8	33776
1999 XM_{124}	2002 09 04.3	22 52.19	−01 52.5	16.1	−0.87	+ 1.2	3.1/05.7	33848
2001 FJ_{53}	2002 09 04.3	22 52.20	−12 26.5	19.4	−0.88	− 4.8	1.8/02.7	14422
2000 EE_{85}	2002 09 04.3	22 52.25	+09 48.5	18.8	−0.90	− 2.7	5.6/09.5	33869
2001 EV_{14}	2002 09 04.3	22 52.26	−22 41.2	19.2	−0.83	− 7.4	5.2/30.0	13821
2000 AE_{203}	2002 09 04.3	22 52.27	+12 21.0	17.9	−0.82	− 3.1	5.9/10.7	702
1999 XN_{7}	2002 09 04.3	22 52.32	−08 49.8	18.3	−0.91	− 6.5	0.6/03.9	33842
2001 FH_{77}	2002 09 04.3	22 52.40	−28 52.5	19.5	−1.05	− 1.2	8.3/29.1	22772
2000 BH_{49}	2002 09 04.4	22 52.37	−04 22.6	18.5	−0.86	− 4.5	1.0/05.3	33861
2000 AF	2002 09 04.4	22 52.41	−05 51.7	17.9	−0.88	− 9.0	0.6/04.9	33852
2000 ET_{21}	2002 09 04.4	22 52.41	−26 36.8	18.5	−1.35	+ 2.2	7.0/30.8	30352
1993 FK_{18}	2002 09 04.4	22 52.43	−16 10.0	19.0	−0.92	− 4.9	3.3/01.6	13537
2001 FM_{146}	2002 09 04.4	22 52.44	+03 24.1	19.3	−0.94	− 4.1	4.2/07.7	12087
2000 EW_{79}	2002 09 04.4	22 52.44	−12 05.4	18.2	−0.75	− 5.1	1.5/02.8	33869
2000 EE_{86}	2002 09 04.4	22 52.49	−09 52.9	17.7	−0.75	− 8.4	0.9/03.5	33869
1999 WZ_{19}	2002 09 04.4	22 52.50	−12 21.5	17.6	−0.68	−12.5	2.6/02.4	33150
2001 HW_{21}	2002 09 04.4	22 52.56	−22 43.6	19.3	−0.91	− 3.2	5.2/30.7	14430
1997 AW_{14}	2002 09 04.4	22 52.58	−11 52.2	20.5	−0.94	− 6.6	1.6/02.9	16747
1991 VU_{8}	2002 09 04.4	22 52.62	−06 06.2	20.5	−0.88	− 6.3	0.4/04.8	6708
1998 RD_{80}	2002 09 04.4	22 52.62	−14 39.4	17.2	−0.70	− 7.3	3.5/01.8	33040
1999 WP_{3}	2002 09 04.4	22 52.69	+05 45.3	18.6	−0.89	− 6.1	5.6/08.7	33841
2001 FE_{54}	2002 09 04.4	22 52.77	−51 33.7	20.2	−1.47	+ 2.0	12.5/22.2	13832
1999 XM_{111}	2002 09 04.5	22 52.71	−10 02.6	18.2	−1.12	− 1.4	1.1/03.8	33847
2000 EK_{57}	2002 09 04.5	22 52.72	−09 49.1	17.7	−0.84	− 2.1	0.8/03.7	33868
1999 CM_{100}	2002 09 04.5	22 52.75	−10 44.7	18.7	−0.74	− 4.7	1.0/03.3	33801
1997 EU_{4}	2002 09 04.5	22 52.84	−07 31.6	19.8	−0.94	− 6.8	0.1/04.4	1915
2001 GB_{7}	2002 09 04.5	22 52.86	−20 34.8	17.2	−0.74	− 8.2	5.2/30.6	33908
1997 WB_{16}	2002 09 04.5	22 52.86	+13 04.2	19.0	−0.69	− 5.1	5.5/11.7	33763
2000 AE_{58}	2002 09 04.5	22 52.87	+00 20.5	18.7	−0.84	− 3.9	2.2/06.9	*40431*
2001 FW_{50}	2002 09 04.5	22 52.92	+02 12.2	19.5	−0.74	− 9.3	3.3/08.0	33389
2000 AQ_{103}	2002 09 04.5	22 53.02	−17 54.2	17.5	−0.88	− 9.0	4.7/31.7	33856
1999 VM_{53}	2002 09 04.5	22 53.02	+02 18.1	19.9	−0.94	− 7.1	3.6/07.6	15051
2000 AG_{210}	2002 09 04.5	22 53.02	−31 30.7	18.3	−0.91	− 6.1	8.8/26.9	33859
1999 YP_{22}	2002 09 04.5	22 53.03	+23 54.1	18.2	−0.97	− 3.2	9.7/15.3	33852
2001 HY_{57}	2002 09 04.5	22 53.05	−18 28.3	19.6	−0.82	− 7.0	3.8/31.7	30455
2001 EW_{3}	2002 09 04.5	22 53.07	−11 21.2	20.0	−0.95	− 5.5	1.6/03.3	11929
2000 FG_{46}	2002 09 04.5	22 53.14	−24 00.0	17.5	−0.83	− 3.8	5.6/30.0	33872
2000 GY_{38}	2002 09 04.6	22 53.06	−15 46.7	19.2	−0.90	− 3.8	2.7/01.9	31907
1999 TJ_{230}	2002 09 04.6	22 53.12	−16 28.4	18.8	−0.98	− 6.8	3.6/01.6	33833
2002 PB_{1}	2002 09 04.6	22 53.15	−07 15.5	18.0	−0.86	− 1.8	0.1/04.6	33715
2001 FK_{121}	2002 09 04.6	22 53.22	+17 49.1	18.3	−0.82	− 5.8	9.9/14.2	33905
2000 CX	2002 09 04.6	22 53.31	−09 42.3	18.1	−0.73	− 6.7	0.8/03.8	33861
2001 BA_{70}	2002 09 04.6	22 53.42	−13 28.2	18.0	−1.69	+ 5.2	3.1/03.6	13808
1998 SV_{136}	2002 09 04.6	22 53.44	−21 36.9	18.3	−0.90	− 4.1	5.4/31.1	31836
2000 EY_{128}	2002 09 04.6	22 53.46	−08 44.6	17.7	−0.70	− 8.4	0.5/04.1	16058
1995 FM_{11}	2002 09 04.6	22 53.47	−03 54.0	17.7	−0.89	− 8.7	1.5/05.8	33757
1998 KR_{33}	2002 09 04.6	22 53.49	−12 05.2	19.3	−1.00	− 5.8	1.9/03.2	13566
2001 FC_{15}	2002 09 04.6	22 53.49	−03 13.3	18.3	−0.80	− 8.9	1.5/06.1	33901
1998 SU_{35}	2002 09 04.6	22 53.51	−24 03.7	17.6	−1.07	+ 0.9	7.6/31.2	*35717*
2000 AR_{14}	2002 09 04.7	22 53.42	−04 33.2	19.3	−0.92	− 5.4	0.9/05.5	2709
1998 VG_{37}	2002 09 04.7	22 53.44	+03 14.6	18.5	−0.92	− 4.6	4.2/07.0	33788
2000 AO_{53}	2002 09 04.7	22 53.48	−06 12.9	19.3	−0.84	− 4.8	0.3/05.0	11747
1999 AN_{9}	2002 09 04.7	22 53.55	−24 29.0	18.6	−0.76	− 7.2	5.3/29.3	29023
2001 MM_{13}	2002 09 04.7	22 53.55	−09 43.1	18.3	−0.97	− 3.0	0.8/04.0	33912
1999 TZ_{248}	2002 09 04.7	22 53.57	−16 05.3	18.1	−0.93	− 8.0	4.0/01.6	2671
1999 TO_{180}	2002 09 04.7	22 53.59	−04 54.2	18.2	−0.89	− 8.3	1.0/05.5	20742
2001 KY_{72}	2002 09 04.7	22 53.59	−07 23.9	19.1	−0.83	− 4.8	0.1/04.6	14328
1999 TM_{7}	2002 09 04.7	22 53.62	−14 06.5	17.6	−0.95	− 3.2	3.7/02.7	33826
2000 EU_{169}	2002 09 04.7	22 53.78	−27 56.0	18.2	−0.81	− 4.2	6.3/28.6	14854
2001 FF_{185}	2002 09 04.7	22 53.78	−09 17.9	20.0	−0.78	− 5.2	0.7/04.0	17596
1999 VR_{88}	2002 09 04.7	22 53.81	+02 35.8	17.4	−0.80	− 8.8	4.6/08.3	33136
1999 XM_{45}	2002 09 04.7	22 53.86	−12 46.4	18.2	−0.93	− 5.4	2.0/03.0	33844
2000 DZ_{58}	2002 09 04.8	22 53.82	−04 49.3	17.8	−0.74	− 4.2	0.7/05.5	14399
2000 EF_{70}	2002 09 04.8	22 53.85	−19 52.6	19.3	−0.94	− 1.7	3.9/01.1	19542
1999 XK_{64}	2002 09 04.8	22 53.85	−20 22.3	18.6	−0.95	− 5.4	5.0/31.5	16043
2000 EH_{57}	2002 09 04.8	22 53.93	−15 24.3	18.2	−0.98	+ 0.8	2.6/02.7	33868
2001 FE_{4}	2002 09 04.8	22 54.00	−19 41.6	19.2	−0.87	− 6.0	4.0/31.7	16092
2001 FQ_{17}	2002 09 04.8	22 54.02	−04 08.5	20.3	−0.90	− 6.0	1.0/05.8	13286
2000 AS_{60}	2002 09 04.8	22 54.04	−23 15.0	20.3	−0.77	− 6.8	4.3/30.1	7518
2000 CW_{81}	2002 09 04.8	22 54.10	−11 23.6	18.9	−0.71	− 5.4	1.2/03.4	33206
1999 XL_{120}	2002 09 04.8	22 54.10	−23 48.0	18.6	−1.05	− 2.7	6.6/31.0	18220
1999 AF_{7}	2002 09 04.8	22 54.10	+10 27.3	17.4	−0.77	− 2.5	5.0/10.5	33064
1994 WK_{2}	2002 09 04.8	22 54.11	−19 21.5	17.8	−0.81	− 5.8	3.4/31.7	1416
2001 FE_{82}	2002 09 04.8	22 54.16	+01 41.7	18.4	−1.02	− 3.7	3.5/07.4	33904
1994 CF_{16}	2002 09 04.8	22 54.17	−15 24.2	19.0	−0.71	− 5.6	2.3/02.0	33755
1999 XN_{22}	2002 09 04.8	22 54.22	+00 36.0	18.2	−0.89	− 7.8	3.0/07.5	33843
1994 TX_{4}	2002 09 04.9	22 54.21	−12 39.2	20.4	−0.91	− 4.0	1.8/03.2	12846
1998 HJ_{149}	2002 09 04.9	22 54.22	−09 18.1	18.1	−0.98	− 4.5	1.0/04.2	*39193*
1998 XQ_{13}	2002 09 04.9	22 54.23	−11 54.6	19.8	−0.83	− 5.5	1.8/03.3	18184
1998 RF_{52}	2002 09 04.9	22 54.35	−20 15.1	18.3	−1.09	− 0.7	5.2/01.3	23460
2001 HQ_{1}	2002 09 04.9	22 54.36	−15 34.0	19.2	−0.98	− 3.2	3.1/02.5	33908
1999 VE_{77}	2002 09 04.9	22 54.40	−16 32.4	20.0	−0.94	− 5.5	3.2/01.9	12993
2000 DA_{1}	2002 09 04.9	22 54.41	−07 56.2	18.6	−0.90	− 2.8	0.3/04.7	33864
2001 FY_{79}	2002 09 04.9	22 54.41	+14 41.5	21.2	−0.87	−10.0	6.6/13.2	13837
1999 XQ_{28}	2002 09 04.9	22 54.49	−20 10.9	18.0	−0.93	− 5.7	5.7/31.7	13629
2000 AX_{234}	2002 09 04.9	22 54.50	+14 09.9	19.5	−0.89	− 2.9	6.8/11.8	19490
2000 CB_{94}	2002 09 04.9	22 54.54	−09 45.0	18.4	−1.01	− 1.5	1.0/04.2	33864

2001 HW_{53}	2002 09 05.0	22 54.53	−22 35.5	18.3	−0.82	−	9.2	5.4/30.2	33909
1998 HD_{8}	2002 09 05.0	22 54.61	−06 59.1	17.8	−0.94	−	8.1	0.0/05.0	33766
2001 BZ_{41}	2002 09 05.0	22 54.65	+31 50.7	17.4	−0.87	−	8.3	17.8/23.2	33893
2000 GS_{48}	2002 09 05.0	22 54.66	−08 44.1	18.9	−0.79	−	4.5	0.5/04.5	33873
1999 VE_{72}	2002 09 05.0	22 54.67	−27 37.4	17.6	−0.84	−	8.4	7.4/28.2	12992
1999 VK_{161}	2002 09 05.0	22 54.68	−26 09.9	18.6	−1.06	−	2.4	6.9/30.5	33840
2000 EJ_{194}	2002 09 05.0	22 54.72	−07 06.7	20.1	−0.84	−	6.8	0.1/05.0	26944
1994 AP_{5}	2002 09 05.0	22 54.76	−08 07.2	18.4	−0.76	−	4.5	0.4/04.7	16003
1998 QG_{57}	2002 09 05.0	22 54.77	−04 20.2	19.9	−0.84	−	6.8	0.8/05.9	14358
1999 XV_{211}	2002 09 05.0	22 54.82	−01 07.0	18.7	−0.97	−	1.8	2.0/06.7	33850
2001 HV_{53}	2002 09 05.0	22 54.84	−18 55.0	19.1	−0.81	−	8.4	3.8/31.8	15099
6747 P-L	2002 09 05.0	22 54.87	−23 55.5	18.5	−1.25	+	5.6	7.9/02.0	*34267*
2000 CB_{91}	2002 09 05.0	22 54.90	−07 00.5	18.2	−0.73	−	4.4	0.0/05.1	*40457*
1999 TJ_{197}	2002 09 05.0	22 54.92	−03 42.2	18.9	−0.96	−	4.9	1.2/06.1	16042
2001 DL_{31}	2002 09 05.0	22 54.95	−12 03.4	19.5	−0.97	−	5.1	1.8/03.5	13814
2001 ED_{21}	2002 09 05.1	22 54.93	−00 19.6	19.7	−0.92	−	7.3	2.4/07.3	11953
1998 WA_{3}	2002 09 05.1	22 54.94	−22 43.8	18.1	−0.73	−	8.6	4.8/30.1	33789
2000 AG_{47}	2002 09 05.1	22 55.01	−19 47.7	18.3	−0.80	−	7.0	4.4/31.6	33853
2000 DY_{39}	2002 09 05.1	22 55.03	−05 30.1	18.4	−0.68	−	8.6	0.5/05.7	33865
2001 DA_{1}	2002 09 05.1	22 55.12	−06 46.0	18.9	−0.89	−	7.1	0.1/05.2	13812
2000 EO_{169}	2002 09 05.1	22 55.13	−26 24.5	19.1	−0.76	−	5.0	4.7/29.3	1583
1999 VJ_{65}	2002 09 05.1	22 55.14	−02 44.7	19.5	−0.92	−	6.3	1.5/06.5	33838
1998 XF_{7}	2002 09 05.1	22 55.15	+17 20.3	19.5	−0.61	−	6.0	11.3/15.3	33062
2001 FL_{122}	2002 09 05.1	22 55.18	−04 55.7	18.8	−0.85	−	8.4	0.8/05.8	14930
2000 CS_{45}	2002 09 05.1	22 55.19	−03 00.0	20.5	−0.79	−	6.1	1.1/06.5	17155
1999 VX_{106}	2002 09 05.1	22 55.20	−07 03.9	19.2	−0.90	−	6.1	0.1/05.1	13623
2000 FH_{12}	2002 09 05.1	22 55.25	−26 29.3	19.1	−0.90	−	1.5	5.7/30.3	33871
1998 BV_{14}	2002 09 05.1	22 55.31	−17 25.4	18.2	−1.00	−	5.8	5.0/02.0	33016
2000 AT_{4}	2002 09 05.2	22 55.25	+03 27.7	18.4	−0.96	−	3.6	4.2/08.3	*38864*
2000 EX_{16}	2002 09 05.2	22 55.26	−07 42.7	18.9	−0.79	−	2.8	0.2/05.0	33867
1998 SX_{10}	2002 09 05.2	22 55.26	−13 40.6	19.9	−0.93	−	3.6	3.0/03.1	6217
2001 DZ_{21}	2002 09 05.2	22 55.31	−22 19.4	19.8	−1.03	−	4.0	5.5/31.6	13814
1999 XM_{89}	2002 09 05.2	22 55.34	+04 23.4	18.4	−0.82	−	4.9	3.6/08.9	33846
2001 DB_{75}	2002 09 05.2	22 55.38	−04 23.2	19.3	−0.98	−	6.3	1.0/06.0	13816
1989 TS_{4}	2002 09 05.2	22 55.38	−20 25.9	18.3	−0.91	−	4.1	5.8/31.8	4306
1998 RZ_{41}	2002 09 05.2	22 55.39	−06 08.9	17.9	−1.10	+	0.7	0.3/05.4	30278
1998 SZ_{111}	2002 09 05.2	22 55.43	−19 41.1	17.8	−0.95	−	0.5	5.9/01.7	33782
2000 CZ_{101}	2002 09 05.2	22 55.46	+00 54.4	19.1	−0.79	−	5.8	2.4/07.9	33864
2001 DT_{69}	2002 09 05.2	22 55.47	−04 32.2	18.3	−0.86	−	8.8	0.9/06.1	33898
1998 XL_{1}	2002 09 05.2	22 55.48	−02 16.3	19.6	−0.78	−	5.3	1.3/06.8	25721
1997 EF_{32}	2002 09 05.2	22 55.52	−07 41.6	16.4	−0.81	−	3.4	0.4/05.0	*39527*
1999 XY_{98}	2002 09 05.2	22 55.53	−08 35.1	18.1	−0.96	−	5.1	0.6/04.7	33847
2001 FC_{44}	2002 09 05.2	22 55.56	−11 07.6	20.1	−0.98	−	4.9	1.5/04.0	13299
1998 WW_{30}	2002 09 05.2	22 55.62	−12 59.3	18.6	−0.72	−	9.5	2.5/03.0	*34311*
2001 DY_{73}	2002 09 05.2	22 55.68	−03 09.5	18.7	−0.91	−	6.8	1.5/07.0	11904
2000 GN_{46}	2002 09 05.3	22 55.63	−02 16.7	19.2	−0.70	−	5.1	1.2/06.9	26949
2000 CR_{60}	2002 09 05.3	22 55.66	+03 19.1	18.8	−0.88	−	4.8	3.8/08.5	31898
1998 QK_{20}	2002 09 05.3	22 55.67	−01 06.7	17.9	−0.86	−	5.8	2.3/07.2	33770
1999 VG_{69}	2002 09 05.3	22 55.73	−05 35.3	18.9	−0.93	−	6.7	0.5/05.7	13622
1999 XS_{195}	2002 09 05.3	22 55.75	−32 36.5	18.0	−0.98	−	3.2	8.5/27.9	33850
1999 VK_{174}	2002 09 05.3	22 55.76	−43 17.4	18.0	−1.14	−	5.5	11.2/22.3	15052
2001 FS_{167}	2002 09 05.3	22 55.77	−28 19.1	19.4	−0.87	−	6.9	7.1/28.6	14426
1999 VG_{172}	2002 09 05.3	22 55.78	−26 13.7	19.0	−1.00	−	4.1	7.1/30.1	16043
2000 FS_{65}	2002 09 05.3	22 55.83	+03 16.5	18.3	−0.78	−	6.9	3.6/08.8	33872
1998 VJ_{38}	2002 09 05.3	22 55.89	−09 43.2	17.8	−0.90	−	2.5	1.3/04.5	33059
2000 DK_{92}	2002 09 05.3	22 55.97	−12 21.2	18.5	−0.93	−	2.4	2.0/03.8	10952
2001 DB_{81}	2002 09 05.3	22 56.01	−18 20.2	18.6	−1.02	−	2.8	4.0/02.1	13816
1999 VA_{57}	2002 09 05.3	22 56.04	−16 34.7	20.7	−1.06	−	4.7	4.1/02.4	14149
2000 JE_{70}	2002 09 05.4	22 55.96	−07 11.0	18.4	−0.82	−	2.1	0.1/05.3	31910
1999 TH_{85}	2002 09 05.4	22 56.00	+09 44.0	19.7	−0.87	−	8.5	6.0/11.4	13611
2000 AF_{236}	2002 09 05.4	22 56.00	+11 02.5	18.3	−0.85	−	4.0	6.0/11.2	33859
1998 RA_{49}	2002 09 05.4	22 56.02	−02 15.3	18.5	−0.60	−	9.9	2.2/07.2	33776
2001 KV_{43}	2002 09 05.4	22 56.03	−01 50.1	19.3	−0.79	−	6.9	1.5/07.1	33911
1999 XW_{90}	2002 09 05.4	22 56.05	−11 31.8	18.2	−0.89	−	6.0	1.8/03.9	33846
1993 FH_{60}	2002 09 05.4	22 56.14	−10 29.1	19.5	−0.92	−	5.4	1.3/04.3	13538
2000 JV_{70}	2002 09 05.4	22 56.16	+09 10.7	18.4	−0.76	−	4.7	4.9/10.8	33877
1992 EC_{1}	2002 09 05.4	22 56.18	+10 30.5	19.7	−0.78	−	9.7	4.8/11.9	6709
1998 RL_{11}	2002 09 05.4	22 56.18	−18 06.1	18.8	−1.03	−	1.1	4.0/02.4	33034
1998 VT_{53}	2002 09 05.4	22 56.21	−18 35.7	18.5	−1.00	−	1.1	4.4/02.2	3269
2000 AZ_{118}	2002 09 05.4	22 56.22	−27 48.1	18.5	−0.81	−	10.9	7.0/28.1	33857
2000 DE_{77}	2002 09 05.4	22 56.23	−07 43.0	17.3	−0.74	−	4.2	0.3/05.2	33866
2001 KP_{65}	2002 09 05.4	22 56.25	−28 26.4	18.3	−0.83	−	6.6	7.9/28.5	19940
2000 FF_{29}	2002 09 05.4	22 56.26	−01 27.7	18.1	−0.71	−	4.9	1.4/07.3	2443
2001 DH_{71}	2002 09 05.4	22 56.27	−06 25.1	19.2	−0.92	−	6.3	0.1/05.6	13259
2000 XK_{49}	2002 09 05.4	22 56.29	−38 56.8	17.7	−1.01	−	6.7	11.1/24.7	13800
2000 DB_{10}	2002 09 05.5	22 56.31	−09 30.6	18.1	−0.72	−	6.5	0.9/04.6	23515
1999 UF_{18}	2002 09 05.5	22 56.46	−08 30.4	19.2	−0.97	−	6.9	0.7/05.0	33835
1998 VD_{11}	2002 09 05.5	22 56.47	−12 11.1	19.1	−0.88	−	4.9	2.0/03.8	33057
1998 SM_{75}	2002 09 05.5	22 56.54	+01 36.7	19.3	−0.77	−	7.6	2.3/08.5	10869
1995 SF_{11}	2002 09 05.5	22 56.57	−05 24.2	20.2	−0.91	−	6.4	0.5/06.0	27583
2000 GN_{98}	2002 09 05.5	22 56.61	+10 58.7	18.5	−0.63	−	6.6	4.5/12.3	3564
1998 QZ_{101}	2002 09 05.5	22 56.62	−08 25.7	18.3	−0.79	−	9.3	0.6/05.0	33773
1995 WP_{1}	2002 09 05.5	22 56.65	−04 24.1	17.8	−0.94	−	4.2	0.8/06.3	33758
1998 VU_{3}	2002 09 05.5	22 56.66	−10 14.7	19.7	−0.76	−	4.5	0.9/04.4	23462
2000 EY_{129}	2002 09 05.5	22 56.69	−13 02.3	18.4	−0.86	−	3.7	2.1/03.6	33870
2001 KV_{4}	2002 09 05.6	22 56.75	−29 08.8	19.9	−0.96	−	3.9	7.1/29.3	14287
2000 CZ_{12}	2002 09 05.6	22 56.90	−04 28.0	18.5	−0.84	−	5.3	0.8/06.4	14198
2000 EM_{87}	2002 09 05.6	22 56.94	−17 58.4	18.0	−0.98	−	1.6	3.9/02.4	3535
1999 XV_{24}	2002 09 05.6	22 56.95	−02 12.5	19.2	−0.92	−	6.8	1.7/07.1	33843
1998 SZ_{23}	2002 09 05.6	22 56.96	−16 26.2	18.3	−0.89	−	4.6	4.1/02.5	33778
1999 XY_{203}	2002 09 05.6	22 56.96	+03 11.9	18.5	−1.04	−	0.3	3.8/08.3	33850
1998 HH_{125}	2002 09 05.6	22 56.97	−09 30.7	18.3	−0.90	−	9.9	1.1/04.7	13565
2002 NR_{26}	2002 09 05.6	22 57.00	−08 26.4	17.4	−0.63	−	10.7	0.9/05.0	33669
2000 ES_{169}	2002 09 05.6	22 57.02	−24 10.3	19.1	−0.93	−	3.5	5.1/31.1	737
2001 KD_{19}	2002 09 05.6	22 57.09	−10 17.4	19.6	−0.89	−	6.5	1.2/04.5	17613
2001 ER_{21}	2002 09 05.6	22 57.11	+01 26.0	18.9	−1.12	−	0.4	3.3/07.8	33383
2000 AS_{144}	2002 09 05.7	22 57.09	−00 42.5	18.4	−0.92	−	1.9	1.9/07.4	700
2000 EM_{53}	2002 09 05.7	22 57.17	−06 49.7	19.1	−0.79	−	4.5	0.0/05.7	23517
1996 TE_{30}	2002 09 05.7	22 57.19	−15 31.8	19.4	−1.06	−	4.5	3.5/03.2	12113
1999 VO_{145}	2002 09 05.7	22 57.21	−12 59.3	18.7	−0.96	−	5.6	2.5/03.8	12197
2001 KO_{24}	2002 09 05.7	22 57.26	+12 12.4	18.6	−0.82	−	4.1	6.4/12.1	31948
2000 CM_{92}	2002 09 05.7	22 57.30	−07 05.0	19.2	−0.71	−	4.5	0.1/05.6	2366

1999 CP_{48}	2002 09 05.7	22 57.33	−10 38.3	18.0	−0.75	− 5.0	1.2/04.5	33798
1999 XX_{224}	2002 09 05.7	22 57.35	+09 48.8	17.2	−0.86	+ 0.6	8.7/10.6	33173
1999 XF_{226}	2002 09 05.7	22 57.40	−03 08.5	18.7	−0.95	− 4.8	1.4/06.9	2704
2001 GD_4	2002 09 05.7	22 57.48	−31 05.1	18.7	−0.98	− 2.9	8.4/29.1	23619
2000 CA_{21}	2002 09 05.8	22 57.40	+01 47.5	18.4	−0.85	− 3.7	2.9/08.4	33861
2001 FD_{157}	2002 09 05.8	22 57.44	−15 08.3	18.5	−0.89	− 7.0	3.2/03.0	33404
1999 BT_{12}	2002 09 05.8	22 57.48	+00 28.8	17.1	−0.73	− 4.9	2.4/08.2	33794
1998 HG_{29}	2002 09 05.8	22 57.60	−06 32.7	20.9	−1.06	− 4.9	0.0/05.9	23456
1999 CV_{120}	2002 09 05.8	22 57.66	−30 03.2	19.4	−0.82	− 3.0	6.1/28.9	31853
2001 FX_{47}	2002 09 05.8	22 57.68	−10 58.6	18.2	−1.05	− 3.0	1.7/04.7	33903
1998 HK_{117}	2002 09 05.8	22 57.83	−21 09.8	18.4	−0.99	− 5.3	6.2/01.3	33767
2001 HS_{13}	2002 09 05.9	22 57.78	−00 36.0	19.0	−0.68	−12.6	1.8/08.3	14430
2001 DK_{92}	2002 09 05.9	22 57.81	+02 46.7	18.0	−0.96	− 2.9	3.3/08.7	33899
1999 XV_{111}	2002 09 05.9	22 57.85	+01 02.7	17.1	−0.84	− 4.4	3.9/08.4	33847
2001 HZ_{15}	2002 09 05.9	22 58.01	−08 44.3	19.6	−0.91	− 6.2	0.8/05.3	18316
2000 AL_{192}	2002 09 05.9	22 58.05	−01 48.1	19.6	−0.76	− 7.0	1.4/07.6	26929
1999 XL_{13}	2002 09 05.9	22 58.20	−04 24.7	18.0	−0.87	− 9.1	0.9/06.8	33843
1996 BM_{17}	2002 09 06.0	22 58.16	−14 17.0	18.3	−0.93	− 4.6	2.7/03.6	33758
2001 FX_{24}	2002 09 06.0	22 58.17	+02 48.7	18.5	−1.02	− 4.2	3.7/08.8	33902
2001 HF_{39}	2002 09 06.0	22 58.17	−08 43.5	19.6	−0.87	− 5.3	0.8/05.3	17603
2000 GJ_{33}	2002 09 06.0	22 58.18	−07 23.8	18.7	−0.79	− 4.4	0.2/05.8	422
1999 TD_{321}	2002 09 06.0	22 58.24	+01 12.1	18.0	−0.75	− 9.8	3.7/08.9	33834
1998 SX_{55}	2002 09 06.0	22 58.29	−10 35.6	18.2	−1.03	− 1.5	1.4/05.0	33778
2001 KM_{18}	2002 09 06.0	22 58.37	−22 08.2	18.3	−0.77	− 5.5	4.7/31.7	33911
1998 KJ_{28}	2002 09 06.0	22 58.38	−20 42.3	19.2	−1.07	− 3.2	5.8/02.1	10325
1999 TQ_{178}	2002 09 06.0	22 58.42	−02 05.0	18.5	−0.98	− 5.8	1.8/07.5	12174
1999 VU_{19}	2002 09 06.0	22 58.45	−17 15.2	18.2	−1.01	− 4.5	4.1/02.8	33836
1999 VM_{60}	2002 09 06.0	22 58.51	−03 55.1	18.9	−0.95	− 6.5	1.0/06.9	12989
1998 SC_{47}	2002 09 06.0	22 58.53	−11 22.3	19.5	−0.84	− 4.3	1.6/04.6	14362
1997 EG_{25}	2002 09 06.1	22 58.57	−20 49.2	18.4	−0.97	− 2.5	6.6/01.9	33011
2001 FU_{107}	2002 09 06.1	22 58.57	+02 30.6	17.5	−0.90	− 4.7	4.2/09.0	33905
1993 FY_{41}	2002 09 06.1	22 58.60	−08 26.4	18.3	−0.94	− 5.0	0.7/05.5	33754
1998 HM_7	2002 09 06.1	22 58.63	−63 34.0	16.7	−1.28	+10.3	33.0/27.0	30267
1997 MJ	2002 09 06.1	22 58.65	+19 18.3	19.3	−0.83	− 6.8	7.9/16.0	33761
1998 FD_{46}	2002 09 06.1	22 58.73	−11 13.8	19.1	−1.07	− 4.0	2.0/04.8	12120
1998 RQ_{74}	2002 09 06.1	22 58.79	+01 47.1	18.0	−0.73	− 8.8	3.5/09.2	25718
2000 DT_{65}	2002 09 06.1	22 58.80	−04 44.5	19.3	−0.72	− 5.0	0.5/06.8	26932
2000 GM_{65}	2002 09 06.1	22 58.81	−10 06.9	20.2	−0.74	− 4.6	1.0/05.0	26951
2000 EP_{38}	2002 09 06.1	22 58.87	−07 36.5	17.7	−0.79	− 4.3	0.4/05.8	33868
2001 HC_{67}	2002 09 06.2	22 58.86	−20 18.9	17.0	−0.95	− 4.6	6.4/01.7	14280
1998 RZ_3	2002 09 06.2	22 58.87	−05 22.3	18.0	−1.15	+ 3.0	0.5/06.5	33033
1998 UT_{16}	2002 09 06.2	22 58.90	+07 51.7	17.4	−1.02	− 0.1	5.7/09.9	33786
1999 VH_{135}	2002 09 06.2	22 58.92	−07 11.9	17.3	−0.91	− 8.3	0.3/06.0	33839
2000 EM_{140}	2002 09 06.2	22 58.95	−04 21.0	18.3	−0.83	− 4.9	0.8/06.9	31904
1999 LX_3	2002 09 06.2	22 59.00	+43 54.1	18.5	−1.36	− 1.5	20.8/27.0	10884
2001 EL_{16}	2002 09 06.2	22 59.00	−14 37.2	19.0	−0.94	− 6.4	3.1/03.6	13821
2001 FY_{35}	2002 09 06.2	22 59.01	−08 41.7	18.2	−1.04	− 2.1	1.0/05.6	33387
1999 WB_8	2002 09 06.2	22 59.05	−25 01.1	19.1	−0.96	− 4.5	6.1/31.3	33842
1999 VP_{216}	2002 09 06.2	22 59.07	+01 06.7	18.0	−0.95	− 4.9	3.8/08.6	33146
2000 EY_{181}	2002 09 06.2	22 59.11	−23 55.5	18.7	−0.79	− 4.9	5.1/31.3	14227
1999 XH_{38}	2002 09 06.2	22 59.14	−30 45.6	18.4	−0.96	− 4.6	8.4/29.1	14380
1998 XZ	2002 09 06.2	22 59.23	−03 02.3	18.6	−0.80	− 5.7	1.3/07.4	33790
2001 DG_{88}	2002 09 06.2	22 59.24	−05 14.0	17.8	−0.99	− 1.4	8.2/27.0	33899
1998 RG_{72}	2002 09 06.2	22 59.26	−05 13.4	16.9	−0.75	− 9.2	0.5/06.8	13576
1999 XK_{173}	2002 09 06.2	22 59.27	−06 08.3	17.9	−0.96	− 3.5	0.1/06.4	33849
2000 CT_{84}	2002 09 06.3	22 59.39	−15 08.7	16.9	−0.72	− 7.9	2.8/03.2	15062
2000 CH_{108}	2002 09 06.3	22 59.40	+07 28.1	19.1	−0.79	− 8.9	4.6/11.4	20750
1994 CF_6	2002 09 06.3	22 59.45	−11 19.4	19.5	−0.67	− 6.4	1.2/04.6	609
2001 HW_{32}	2002 09 06.3	22 59.49	−12 23.6	18.0	−0.83	− 5.1	2.1/04.4	14432
2000 AP_{230}	2002 09 06.3	22 59.52	−06 15.1	18.5	−0.88	− 2.7	0.1/06.4	*40443*
2001 FG_{147}	2002 09 06.3	22 59.54	−02 52.4	20.0	−0.93	− 6.1	1.3/07.5	15096
2001 DJ_{14}	2002 09 06.3	22 59.61	−02 30.8	19.4	−1.06	− 3.7	1.6/07.5	27191
2001 FT_{133}	2002 09 06.4	22 59.60	−05 00.3	19.6	−0.77	− 4.8	0.4/07.0	13346
2000 CK_{50}	2002 09 06.4	22 59.61	+01 07.6	18.4	−0.85	− 3.4	2.4/08.7	33204
1999 WC_3	2002 09 06.4	22 59.63	−12 21.9	18.6	−0.93	− 5.9	2.0/04.5	14378
2000 EH_{109}	2002 09 06.4	22 59.64	+07 24.9	18.4	−0.89	− 2.4	4.6/10.6	33869
1999 VK_{57}	2002 09 06.4	22 59.66	−14 24.0	19.2	−1.00	− 4.7	3.0/04.0	13622
2000 EL_{20}	2002 09 06.4	22 59.73	+05 47.0	19.0	−0.77	− 7.1	3.7/10.7	33868
2001 HN_{45}	2002 09 06.4	22 59.76	+17 54.5	17.2	−0.96	− 2.2	9.8/14.8	33909
1989 BB	2002 09 06.4	22 59.79	−00 00.1	16.8	−1.00	− 2.9	2.3/08.3	33751
1993 FP_{10}	2002 09 06.4	22 59.81	−09 18.9	18.4	−0.90	− 7.0	1.1/05.5	33754
1994 AM	2002 09 06.4	22 59.82	+15 08.1	18.3	−0.79	− 3.3	5.9/13.9	33755
1997 NP_1	2002 09 06.4	22 59.83	−33 43.3	19.4	−0.85	−11.9	7.7/26.0	5433
1996 JF_9	2002 09 06.4	22 59.85	−08 06.5	19.5	−0.74	− 7.1	0.6/05.9	13546
1998 RH_{61}	2002 09 06.4	22 59.89	−02 52.4	18.1	−0.86	− 5.1	1.6/07.0	30280
2001 FB_{40}	2002 09 06.4	22 59.92	−09 16.5	18.3	−1.06	− 2.8	1.1/05.7	33902
2000 DJ_{75}	2002 09 06.4	22 59.96	−04 48.7	19.1	−0.75	− 3.7	0.5/07.0	33866
2000 DE_{38}	2002 09 06.4	22 59.97	−06 11.9	18.7	−0.76	− 5.4	0.1/06.6	33865
1999 VN_{54}	2002 09 06.4	22 59.98	−19 35.1	17.8	−1.08	− 2.4	5.9/02.8	13621
1998 SM_{51}	2002 09 06.5	22 59.97	+06 11.0	19.5	−0.76	− 7.3	3.9/11.0	14362
1998 VM_{54}	2002 09 06.5	23 00.02	+04 13.9	18.5	−1.00	+ 0.4	4.2/09.3	33788
1999 VX_{201}	2002 09 06.5	23 00.04	−17 01.7	18.7	−1.03	− 2.8	4.5/03.5	13011
2000 AL_{52}	2002 09 06.5	23 00.06	−07 20.9	18.2	−1.06	− 3.8	0.4/06.3	33180
2000 BM_3	2002 09 06.5	23 00.17	−02 31.3	18.4	−0.90	− 3.1	1.2/07.7	*40445*
2001 HQ_{48}	2002 09 06.5	23 00.18	−33 54.9	18.6	−0.96	− 3.5	9.8/28.3	17605
2000 HG_{103}	2002 09 06.5	23 00.19	−16 40.1	17.8	−0.80	− 6.3	3.2/03.0	5757
2000 GK_{167}	2002 09 06.5	23 00.26	+05 48.6	18.3	−0.93	− 2.1	4.1/10.1	29215
2000 CS_{135}	2002 09 06.5	23 00.27	−10 20.4	19.5	−0.80	− 6.9	1.4/05.2	3514
1999 CQ_{122}	2002 09 06.5	23 00.37	−19 23.2	18.6	−0.97	+ 0.1	3.8/03.1	16947
2000 AV_{234}	2002 09 06.6	23 00.33	−01 59.9	17.4	−0.79	− 6.4	2.3/08.1	33194
1997 FP_4	2002 09 06.6	23 00.34	−04 05.7	18.6	−0.90	− 4.9	0.8/07.3	33761
2002 OX_2	2002 09 06.6	23 00.35	+04 37.8	17.4	−0.80	− 7.4	4.9/10.5	33697
1999 XT_{34}	2002 09 06.6	23 00.38	+06 00.8	18.4	−0.91	− 3.0	4.1/10.3	33844
1998 SP_{71}	2002 09 06.6	23 00.40	−08 43.9	18.1	−0.84	− 5.5	0.8/05.9	33779
2000 AR_{140}	2002 09 06.6	23 00.44	−26 42.4	20.3	−0.85	− 8.3	6.1/30.0	17136
2000 GJ_{111}	2002 09 06.6	23 00.47	−04 36.4	18.7	−0.75	− 3.7	0.5/07.2	33874
1997 ED_{23}	2002 09 06.6	23 00.47	−07 30.9	19.1	−0.92	− 4.7	0.4/06.3	33761
2000 EP_{157}	2002 09 06.6	23 00.48	+01 40.1	18.3	−0.99	− 1.6	2.7/08.8	33871
1997 TA_{20}	2002 09 06.6	23 00.49	−00 21.8	18.9	−0.72	− 5.4	1.8/08.7	33763
2000 YS_{105}	2002 09 06.6	23 00.63	−18 23.7	18.1	−0.93	− 7.0	4.8/02.7	33890
2001 HL_{41}	2002 09 06.6	23 00.67	−27 51.6	19.5	−0.88	− 5.5	6.7/30.3	14434
2001 JC_3	2002 09 06.7	23 00.65	−09 30.8	20.4	−0.81	− 6.9	0.9/05.6	14437

1998 XV_{56}	2002 09 06.7	23 00.66	+08 51.8	17.4	−0.80	−	4.7	5.7/11.7	33063
2000 GD_{154}	2002 09 06.7	23 00.66	+09 48.7	17.4	−0.71	−	5.8	4.9/12.4	33874
1999 XS_{164}	2002 09 06.7	23 00.68	−21 30.7	19.2	−0.83	−	5.4	4.7/01.6	33849
2000 CH_{94}	2002 09 06.7	23 00.77	−10 50.0	18.1	−0.82	−	2.2	1.3/05.4	709
1999 XU_{100}	2002 09 06.7	23 00.78	−12 41.0	18.1	−0.95	−	5.8	2.5/04.7	13057
1998 VU_{33}	2002 09 06.7	23 00.81	−10 32.6	18.7	−0.82	−	4.7	1.5/05.4	*35724*
2000 ES_{94}	2002 09 06.7	23 00.83	+04 35.0	17.5	−0.87	−	5.7	4.2/10.2	31903
2001 FC_{171}	2002 09 06.7	23 00.83	−15 55.2	20.4	−0.92	−	8.1	3.2/03.5	13847
1998 QR_6	2002 09 06.7	23 00.88	−08 31.7	17.6	−0.80	−	4.8	1.0/06.0	33025
1993 HQ_1	2002 09 06.7	23 00.98	−24 25.6	17.9	−1.58	+	4.3	8.5/03.4	33754
1999 TK_{105}	2002 09 06.7	23 00.99	−06 42.1	18.1	−1.02	−	4.0	0.2/06.7	33828
1998 SR_{111}	2002 09 06.8	23 01.00	−19 41.0	17.6	−0.99	−	1.8	4.4/02.9	33782
1999 XH_{85}	2002 09 06.8	23 01.21	+04 14.1	17.2	−0.93	−	3.4	4.8/10.0	33159
2001 HZ_{11}	2002 09 06.8	23 01.23	−03 21.2	18.0	−0.71	−	5.7	1.1/07.9	33908
2000 CT_1	2002 09 06.8	23 01.27	−05 58.5	18.4	−0.72	−	4.7	6.6/27.0	10950
1993 FV_{15}	2002 09 06.8	23 01.36	−12 45.9	18.3	−0.88	−	6.2	2.4/04.8	13537
2000 GM_{88}	2002 09 06.9	23 01.36	−17 35.2	19.0	−0.74	−	4.4	3.0/03.1	33873
2000 DQ_{71}	2002 09 06.9	23 01.37	−07 03.5	18.2	−0.89	−	1.7	0.3/06.7	33866
1998 SZ_{146}	2002 09 06.9	23 01.39	−26 21.9	16.4	−1.06	+	8.0	11.0/03.1	12905
2000 DX_{102}	2002 09 06.9	23 01.44	−13 47.2	18.7	−0.71	−	7.2	2.3/04.2	33867
2001 FQ_{54}	2002 09 06.9	23 01.58	+07 57.7	19.9	−0.78	−	8.0	4.4/12.1	14422
2001 FJ_{83}	2002 09 06.9	23 01.61	−00 53.5	19.2	−0.98	−	3.8	2.2/08.5	13324
2001 EU_{26}	2002 09 06.9	23 01.71	−01 17.9	17.4	−0.85	−	7.1	2.2/08.6	27193
2000 FJ_1	2002 09 06.9	23 01.72	−38 36.9	19.5	−0.81	−	5.0	7.7/25.6	2762
2000 DM_{110}	2002 09 06.9	23 01.72	−10 35.5	19.3	−0.73	−	5.0	1.3/05.5	26934
1999 WX_7	2002 09 06.9	23 01.75	+05 54.3	19.1	−0.91	−	4.9	4.1/10.8	5662
2000 AA_{10}	2002 09 06.9	23 01.80	−01 35.8	19.2	−0.92	−	4.2	1.5/08.4	33852
2000 AS_{65}	2002 09 07.0	23 01.78	−09 15.0	18.4	−0.83	−	2.9	0.9/06.1	*40432*
1999 XX_{91}	2002 09 07.0	23 01.79	−24 44.3	18.4	−0.88	−	5.5	6.4/31.8	33846
2000 EZ_{47}	2002 09 07.0	23 01.89	−06 39.6	17.9	−0.76	−	4.3	0.1/06.9	1574
2000 AY_{72}	2002 09 07.0	23 02.02	−07 32.5	19.5	−0.89	−	6.7	0.5/06.6	27657
1999 CS_{91}	2002 09 07.0	23 02.06	−05 22.9	18.2	−0.77	−	3.3	0.3/07.3	33800
2000 CB_{107}	2002 09 07.0	23 02.12	+11 23.7	19.1	−0.82	−	6.9	5.8/13.2	17160
2000 DT_2	2002 09 07.1	23 02.10	−06 49.7	19.9	−0.83	−	6.3	0.2/06.9	19512
2000 DA_9	2002 09 07.1	23 02.11	−02 16.8	18.5	−0.89	−	3.2	1.4/08.3	19514
2000 CJ_{45}	2002 09 07.1	23 02.14	−03 54.6	20.6	−0.74	−	6.7	0.6/07.9	*40450*
2000 AV_{232}	2002 09 07.1	23 02.15	−12 10.9	17.1	−0.89	−	3.8	2.9/05.3	33859
2000 GY_{11}	2002 09 07.1	23 02.16	−06 29.7	17.3	−0.86	−	2.1	0.1/07.0	33872
3530 T-3	2002 09 07.1	23 02.18	−04 42.7	18.8	−0.78	−	4.8	0.5/07.6	2805
1997 BF_1	2002 09 07.1	23 02.18	−01 13.4	19.4	−0.96	−	4.6	1.6/08.6	13549
2000 DN_{109}	2002 09 07.1	23 02.18	−15 06.5	18.9	−0.86	−	2.3	2.7/04.5	33219
1998 UN_9	2002 09 07.1	23 02.21	−02 36.8	19.1	−0.84	−	6.3	1.3/08.3	27612
1998 KL_{33}	2002 09 07.1	23 02.22	−17 56.5	19.1	−1.04	−	4.3	4.6/03.6	33768
2000 GZ_{85}	2002 09 07.1	23 02.23	−03 48.6	18.2	−0.78	−	3.8	0.7/07.9	471
2000 AS_{75}	2002 09 07.1	23 02.24	−05 21.3	18.8	−0.90	−	7.2	0.3/07.4	13644
1998 UU_{37}	2002 09 07.1	23 02.28	+05 18.3	18.3	−0.77	−	7.9	3.6/11.2	33787
2000 DY_{40}	2002 09 07.1	23 02.34	−06 08.0	18.3	−0.78	−	7.4	0.0/07.2	31900
2001 EN_1	2002 09 07.1	23 02.42	−19 09.6	19.9	−0.98	−	5.1	4.6/03.1	13819
2000 CW_{66}	2002 09 07.1	23 02.49	−02 34.7	18.5	−0.81	−11.0		1.3/08.5	33863
1999 VA_{29}	2002 09 07.1	23 02.53	−13 28.7	19.6	−1.00	−	5.2	2.8/04.9	33128
1999 XT_{68}	2002 09 07.2	23 02.52	−06 27.3	18.0	−0.96	−	6.7	0.1/07.1	1552
2001 FM_{10}	2002 09 07.2	23 02.56	−02 51.3	18.8	−0.98	−	6.0	1.2/08.3	16092
1999 XJ_{135}	2002 09 07.2	23 02.61	+35 15.8	19.6	−0.97	−	2.3	11.9/23.3	17104
2001 FU_{92}	2002 09 07.2	23 02.63	−16 41.4	18.5	−0.90	−	7.0	4.2/03.7	33905
1999 XQ_{106}	2002 09 07.2	23 02.70	+03 19.4	18.2	−0.95	−	6.1	3.5/10.3	33847
2001 FH_{129}	2002 09 07.2	23 02.73	−14 11.9	19.1	−0.85	−	5.2	2.6/04.7	14424
1999 TT_{29}	2002 09 07.2	23 02.74	−03 08.3	19.0	−0.97	−	7.0	1.3/08.2	12164
1999 XM_{42}	2002 09 07.2	23 02.77	−00 04.0	19.0	−0.96	−	5.7	2.3/09.2	14159
2000 AO_{73}	2002 09 07.2	23 02.84	−10 26.0	17.1	−0.81	−	8.6	2.1/05.8	33183
1999 XW_{28}	2002 09 07.2	23 02.88	−16 21.1	17.3	−0.88	−	7.5	5.0/03.7	33154
2000 AQ_{21}	2002 09 07.3	23 02.87	−14 01.5	19.6	−0.87	−	5.1	2.5/04.8	17127
2000 AP_{118}	2002 09 07.3	23 02.91	+02 51.1	18.5	−0.87	−	5.9	3.4/10.2	33856
1999 YT_{20}	2002 09 07.3	23 02.93	−10 12.0	18.9	−0.83	−	5.6	1.4/06.0	23511
2000 AN_{29}	2002 09 07.3	23 02.94	−17 09.7	18.5	−0.91	−	6.4	4.7/03.6	19474
2000 GB_{115}	2002 09 07.3	23 03.05	−11 16.9	18.2	−0.80	−	4.8	1.7/05.7	33874
2000 AJ_{17}	2002 09 07.3	23 03.06	−29 55.5	17.0	−0.89	−	5.2	8.3/30.1	31888
2001 DX_{49}	2002 09 07.3	23 03.07	−26 51.4	17.2	−0.95	−	4.5	9.0/31.7	33898
2000 CL_{82}	2002 09 07.3	23 03.08	−08 59.4	19.0	−0.80	−	4.3	0.9/06.4	33207
1995 WT_6	2002 09 07.3	23 03.08	−00 54.6	18.3	−0.97	−	3.9	2.0/08.9	33758
1999 AQ	2002 09 07.3	23 03.11	−18 05.3	18.1	−0.74	−	7.5	3.8/03.0	33792
2000 DB_{98}	2002 09 07.3	23 03.14	−17 14.8	17.8	−0.72	−	7.1	3.5/03.4	15064
2000 CG_{109}	2002 09 07.3	23 03.15	+10 19.3	19.0	−0.83	−	5.3	5.7/12.9	33864
2000 JU_4	2002 09 07.4	23 03.17	−09 53.7	19.7	−0.85	−	3.4	1.3/06.2	3590
2000 AE_{98}	2002 09 07.4	23 03.20	−15 51.2	18.3	−0.91	−	6.1	3.4/04.2	*40435*
2002 OB_3	2002 09 07.4	23 03.23	+08 22.7	18.5	−0.82	−	5.1	5.4/12.4	33697
2001 FU_{123}	2002 09 07.4	23 03.26	−07 26.9	17.2	−1.06	−	0.6	0.7/07.1	33906
2001 KO_{28}	2002 09 07.4	23 03.26	+11 30.0	18.1	−0.84	−	4.9	5.7/13.4	14300
1991 VF_3	2002 09 07.4	23 03.27	−36 22.9	16.6	−1.20	+	3.5	14.8/29.5	13535
2000 EC_{27}	2002 09 07.4	23 03.31	−07 59.0	19.3	−0.75	−	5.5	0.6/06.8	33868
2001 KL_5	2002 09 07.4	23 03.44	+03 23.4	17.4	−0.70	−	5.8	3.3/10.8	33910
2000 EF_{39}	2002 09 07.4	23 03.48	−08 09.1	19.6	−0.74	−	4.4	0.6/06.8	2399
2000 AW_{17}	2002 09 07.4	23 03.49	−06 10.3	17.3	−0.89	−	4.5	0.1/07.4	*38626*
2001 HG_{13}	2002 09 07.4	23 03.49	−09 16.9	19.1	−0.89	−	5.1	1.1/06.5	16095
2000 FY_{30}	2002 09 07.4	23 03.51	−21 03.4	18.7	−1.02	−	2.0	5.0/03.1	30353
1999 XA_{207}	2002 09 07.4	23 03.53	−08 57.2	18.3	−0.84	−	3.9	0.8/06.6	*38859*
2000 CC_{99}	2002 09 07.4	23 03.55	−07 37.0	17.8	−0.85	−	7.2	0.7/07.0	33864
2000 AJ_{56}	2002 09 07.5	23 03.57	−11 04.1	18.8	−0.82	−	5.4	1.6/05.9	31889
1999 TB_{205}	2002 09 07.5	23 03.58	−02 29.8	19.2	−0.95	−	5.9	1.3/08.6	33832
2001 FN_{14}	2002 09 07.5	23 03.59	−03 10.1	19.5	−0.91	−	7.7	1.0/08.5	13825
1998 SV_{118}	2002 09 07.5	23 03.62	−05 35.1	18.3	−0.79	−	6.3	0.2/07.7	26887
1993 TS_{16}	2002 09 07.5	23 03.64	−06 23.2	18.3	−0.79	−	5.9	0.1/07.4	33754
1998 UT_{38}	2002 09 07.5	23 03.66	−06 44.1	18.2	−0.84	−	6.4	0.3/07.3	33057
2001 HW_{43}	2002 09 07.5	23 03.70	−10 05.4	20.9	−0.95	−	5.1	1.4/06.3	23619
2001 CP_7	2002 09 07.5	23 03.76	−08 07.2	19.2	−0.98	−	5.2	0.8/06.9	33895
2000 AJ_{143}	2002 09 07.5	23 03.78	−00 20.6	19.5	−0.87	−	5.2	1.8/09.4	*40439*
1999 TC_{147}	2002 09 07.5	23 03.79	−16 46.1	18.7	−1.07	−	4.0	4.6/04.4	33830
1994 SM_8	2002 09 07.5	23 03.85	−11 58.2	18.1	−0.94	+	0.4	2.9/06.0	*32668*
2000 HV_{42}	2002 09 07.5	23 03.86	−10 12.5	19.1	−0.74	−	4.8	1.2/06.2	33875
2000 AS_{29}	2002 09 07.5	23 03.89	−15 26.8	19.0	−0.85	−	4.3	3.0/04.6	33853
2001 HY_1	2002 09 07.5	23 03.91	−21 14.8	18.7	−0.96	−	2.3	5.9/03.0	33908
2000 AN_{115}	2002 09 07.5	23 03.94	−16 49.9	18.0	−0.77	−	9.3	3.6/03.6	15056
1997 AQ_1	2002 09 07.6	23 03.92	−00 47.6	18.4	−1.00	−	4.4	2.0/09.2	14351

2001 JC_{6}	2002 09 07.6	23 03.96	−02 38.5	19.7	−0.79	−	7.1	1.0/08.8	15099
1997 EB_{30}	2002 09 07.6	23 04.01	−09 13.6	21.1	−0.94	−	4.2	1.2/06.7	10313
2001 HU_{5}	2002 09 07.6	23 04.01	−08 48.8	19.2	−0.90	−	4.4	0.9/06.8	27767
1999 CB	2002 09 07.6	23 04.03	−21 28.6	18.5	−0.73	−	5.6	4.2/02.1	33794
2000 WO_{124}	2002 09 07.6	23 04.06	−50 29.8	18.6	−1.47	−	1.9	18.1/23.0	13798
2001 HS_{54}	2002 09 07.6	23 04.12	−09 07.7	19.3	−0.85	−	6.9	1.1/06.6	17606
1999 TB_{248}	2002 09 07.6	23 04.15	+01 04.2	17.5	−0.82	−	9.6	3.2/10.2	33833
2001 KS_{61}	2002 09 07.7	23 04.29	+07 50.9	19.4	−0.68	−	9.4	3.9/13.1	14449
2002 NE_{27}	2002 09 07.7	23 04.30	−05 54.0	17.2	−0.72	−	5.3	0.0/07.7	33669
2001 HS_{45}	2002 09 07.7	23 04.36	−01 26.1	17.9	−0.71	−11.2		1.6/09.5	14434
2000 GX_{55}	2002 09 07.7	23 04.37	−02 52.7	18.6	−0.68	−	5.7	0.8/08.8	33873
1999 XG_{8}	2002 09 07.7	23 04.43	+04 22.2	17.1	−0.86	−	5.9	4.9/11.1	33842
2001 FV_{88}	2002 09 07.7	23 04.44	−02 51.3	19.5	−0.75	−	9.4	1.0/08.9	14423
2000 AR_{119}	2002 09 07.7	23 04.51	+07 22.7	19.0	−0.92	−	5.1	4.5/12.0	*40436*
1999 XZ_{74}	2002 09 07.7	23 04.53	−17 06.6	17.8	−0.89	−	5.7	4.4/04.1	33845
1995 UC_{38}	2002 09 07.7	23 04.53	−09 13.8	20.1	−0.95	−	4.8	1.2/06.8	12849
2001 FA_{44}	2002 09 07.7	23 04.53	+01 40.2	18.0	−0.78	−	7.7	2.6/10.5	13829
1999 VF_{95}	2002 09 07.7	23 04.60	+04 30.3	19.8	−0.91	−	8.4	4.0/11.3	13623
2001 KP_{14}	2002 09 07.7	23 04.66	−22 49.1	18.9	−0.87	−	4.2	5.5/02.3	15100
1996 CF_{8}	2002 09 07.7	23 04.68	−08 26.5	19.6	−0.84	−	6.9	0.8/06.9	*39169*
1997 CF_{20}	2002 09 07.8	23 04.64	−06 25.5	18.4	−1.01	−	3.4	0.2/07.7	13550
2000 AC_{239}	2002 09 07.8	23 04.66	−03 55.5	17.7	−0.89	−	4.7	1.0/08.4	3500
2001 FE_{42}	2002 09 07.8	23 04.73	−04 37.1	20.0	−0.94	−	5.3	0.5/08.2	12007
1998 RV_{32}	2002 09 07.8	23 04.76	−06 48.1	18.3	−0.97	−	2.5	0.3/07.6	33035
2001 KW_{56}	2002 09 07.8	23 04.77	−30 10.8	18.8	−0.82	−	4.4	8.1/30.3	20840
1999 XE_{11}	2002 09 07.8	23 04.90	−04 25.8	17.8	−1.01	−	2.1	0.7/08.3	12205
2001 FG_{188}	2002 09 07.8	23 04.93	−19 42.0	19.5	−1.14	−	0.8	5.1/04.3	18316
1998 SU_{108}	2002 09 07.8	23 04.94	−01 14.0	17.9	−0.86	−	3.9	2.0/09.3	33050
2000 AX_{50}	2002 09 07.8	23 04.96	−13 00.4	19.0	−0.91	−	4.2	2.8/05.7	33854
1999 XD_{140}	2002 09 07.9	23 04.97	−09 38.0	19.4	−0.83	−	5.9	1.2/06.7	14382
2001 FE_{9}	2002 09 07.9	23 04.99	−08 33.0	19.6	−0.91	−	4.4	1.0/07.1	11968
2000 AW_{182}	2002 09 07.9	23 05.00	−13 39.7	18.9	−0.77	−	9.9	2.6/05.0	33858
1998 SS_{27}	2002 09 07.9	23 05.01	+31 46.8	16.5	−1.23	+	3.3	13.4/19.0	33778
2001 FZ_{135}	2002 09 07.9	23 05.10	+03 28.7	19.1	−0.99	−	4.6	3.8/10.8	17589
2000 BB_{26}	2002 09 07.9	23 05.10	−00 38.3	18.3	−0.88	−	2.9	1.8/09.5	19495
1999 YB_{23}	2002 09 07.9	23 05.14	+00 49.2	19.2	−0.88	−	7.9	2.6/10.2	33852
2000 AB_{63}	2002 09 07.9	23 05.16	+05 52.1	19.6	−0.94	−	2.0	3.7/11.3	33854
2294 T-3	2002 09 07.9	23 05.16	−00 28.9	18.4	−0.80	−	5.8	2.3/09.7	*35673*
1998 SJ_{57}	2002 09 07.9	23 05.18	−04 05.1	17.7	−0.78	−	9.5	0.6/08.6	33778
1998 RJ_{59}	2002 09 07.9	23 05.24	−05 09.8	17.5	−0.92	−	2.1	0.3/08.2	33038
2001 JA_{1}	2002 09 07.9	23 05.25	+00 01.2	18.7	−0.72	−	5.6	2.0/10.0	33910
2000 GA_{98}	2002 09 07.9	23 05.26	+09 15.7	17.3	−0.70	−	7.5	4.9/13.6	33874
2184 T-2	2002 09 07.9	23 05.26	−10 18.6	18.4	−0.88	−	3.3	2.2/06.6	34058
2000 EQ_{20}	2002 09 07.9	23 05.33	+12 11.2	17.8	−0.72	−	6.0	4.9/14.5	33868
2001 AJ_{28}	2002 09 07.9	23 05.35	+07 46.9	17.8	−1.56	+	5.5	7.1/10.4	33352
1999 WT_{7}	2002 09 07.9	23 05.37	−02 00.4	17.8	−0.88	−	6.9	1.6/09.3	13626
1992 EF_{13}	2002 09 07.9	23 05.40	−03 48.5	19.7	−0.83	−	6.0	0.6/08.7	13535
2001 HC_{35}	2002 09 08.0	23 05.34	+10 15.1	17.5	−0.73	−	5.7	5.6/13.8	33411
1999 XC_{125}	2002 09 08.0	23 05.37	−10 54.9	17.7	−1.03	−	2.5	2.3/06.6	33848
2000 EJ_{84}	2002 09 08.0	23 05.44	−03 02.5	19.5	−0.74	−	8.4	0.8/09.0	2758
2001 HM_{36}	2002 09 08.0	23 05.46	−14 24.5	17.6	−0.84	−	2.5	2.7/05.4	15098
2002 KM_{6}	2002 09 08.0	23 05.48	+13 15.4	16.7	−0.98	−	4.5	8.7/14.8	33590
1999 CK_{37}	2002 09 08.0	23 05.50	−12 18.5	19.4	−0.72	−	5.4	1.9/05.8	33797
2583 T-3	2002 09 08.0	23 05.55	+12 07.4	18.6	−0.78	−	7.6	6.6/14.6	34059
1999 XQ_{103}	2002 09 08.0	23 05.59	−24 59.3	19.3	−0.82	−	5.1	5.6/01.5	15053
2000 AQ_{58}	2002 09 08.0	23 05.66	−19 42.3	18.6	−0.81	−	6.5	4.6/03.2	33854
1999 YS_{13}	2002 09 08.0	23 05.68	−08 45.6	16.2	−0.78	−	7.5	1.4/07.0	13641
1996 GP_{4}	2002 09 08.0	23 05.76	−11 38.3	19.0	−0.81	−	5.7	2.0/06.2	14350
2001 FW_{4}	2002 09 08.0	23 05.81	−04 33.3	17.8	−1.77	+	8.3	0.7/08.3	12312
1998 SJ_{100}	2002 09 08.1	23 05.69	−09 17.0	18.6	−0.96	−	1.8	1.1/07.1	33781
2000 CN_{24}	2002 09 08.1	23 05.71	−12 35.5	17.1	−0.65	−12.5		2.8/05.4	33861
1999 TE_{33}	2002 09 08.1	23 05.73	−06 06.7	18.6	−1.03	−	4.9	0.1/08.0	13610
1999 TM_{48}	2002 09 08.1	23 05.79	−07 22.0	19.4	−0.98	−	7.0	0.6/07.6	13611
2001 FP_{57}	2002 09 08.1	23 05.90	−11 50.1	18.8	−0.95	−	7.3	2.2/06.2	14422
2001 HU_{66}	2002 09 08.1	23 05.94	−16 22.4	19.1	−0.92	−	7.6	4.0/04.6	18317
2001 CH_{35}	2002 09 08.1	23 05.99	−43 16.0	18.4	−1.05	−13.7		15.8/23.0	12290
1998 UY_{14}	2002 09 08.1	23 06.00	−02 20.5	18.9	−0.82	−	7.0	1.4/09.3	6219
1999 XB_{153}	2002 09 08.1	23 06.00	+03 11.3	17.5	−0.82	−	6.9	4.4/11.2	1557
2000 YO_{105}	2002 09 08.1	23 06.01	−15 04.4	19.2	−0.98	−	6.9	3.3/05.2	13802
2001 GY_{7}	2002 09 08.1	23 06.04	−17 56.7	19.6	−0.94	−	7.2	4.6/04.1	13849
1992 EA_{26}	2002 09 08.1	23 06.05	−06 17.5	18.4	−0.95	−	2.7	0.2/08.0	*39518*
1998 MY	2002 09 08.1	23 06.07	+11 09.0	17.8	−0.49	−11.3		8.7/16.0	33769
2000 GV_{82}	2002 09 08.2	23 06.10	−47 23.7	19.5	−1.34	−	0.2	11.6/24.3	1275
2000 ER_{1}	2002 09 08.2	23 06.13	−04 10.1	18.8	−0.79	−	4.9	0.5/08.7	17180
2000 GC_{81}	2002 09 08.2	23 06.13	−08 21.9	19.5	−0.71	−	4.7	0.7/07.3	5740
2000 EU_{103}	2002 09 08.2	23 06.18	−21 35.7	17.1	−0.84	−10.1		5.4/02.2	33869
2001 FJ	2002 09 08.2	23 06.27	−05 02.7	19.1	−0.93	−	5.7	0.3/08.5	33900
2000 GZ_{25}	2002 09 08.2	23 06.29	−08 52.3	18.8	−0.96	−	4.8	1.2/07.3	30353
1998 SH_{160}	2002 09 08.2	23 06.29	−14 37.1	19.7	−0.84	−	5.5	2.7/05.3	10339
1999 TT_{18}	2002 09 08.2	23 06.33	−18 44.6	18.6	−1.12	−	1.4	5.8/04.9	33826
1978 VQ_{8}	2002 09 08.2	23 06.43	+00 18.0	18.5	−0.83	−	6.0	1.9/10.3	15000
2000 AE_{68}	2002 09 08.2	23 06.46	−17 14.8	18.1	−0.80	−	6.3	3.4/04.3	696
2000 DL_{16}	2002 09 08.3	23 06.43	−16 16.7	17.6	−1.00	−	1.5	3.7/05.3	33865
2001 KQ_{55}	2002 09 08.3	23 06.47	−42 56.5	19.2	−1.01	−	3.9	12.2/24.6	14319
2000 EZ	2002 09 08.3	23 06.64	−02 51.4	16.4	−0.98	+	0.2	1.5/09.1	33220
1999 YR_{22}	2002 09 08.3	23 06.64	−04 59.4	17.8	−1.02	−	3.2	0.3/08.6	13641
1998 KS_{8}	2002 09 08.3	23 06.79	−10 05.3	18.6	−0.94	−	8.6	1.6/06.9	13566
1998 XD_{73}	2002 09 08.3	23 06.79	+11 26.7	17.6	−0.93	−	0.6	5.4/13.3	33063
1998 QL_{63}	2002 09 08.3	23 06.80	+00 50.0	19.0	−0.87	−	5.0	2.4/10.5	13572
1999 CK_{152}	2002 09 08.3	23 06.81	−05 41.5	20.2	−0.75	−	4.5	0.0/08.4	16953
1998 KS_{64}	2002 09 08.4	23 06.90	−06 49.2	18.2	−0.92	−	7.6	0.5/08.1	12127
1994 SJ_{5}	2002 09 08.4	23 06.94	−15 22.4	19.9	−1.02	−	1.6	3.5/05.8	12846
2002 PU_{48}	2002 09 08.4	23 06.96	+13 19.5	17.7	−1.14	+	4.8	8.9/12.8	33729
1998 WH_{13}	2002 09 08.4	23 06.99	+07 20.1	18.7	−0.83	−	4.5	4.0/12.6	5509
2001 GK_{11}	2002 09 08.4	23 06.99	−04 11.2	17.5	−0.74	−	9.6	0.5/09.0	14428
2000 AD_{227}	2002 09 08.4	23 07.03	−04 11.6	20.5	−0.76	−	4.5	0.4/08.9	18227
2000 EF_{111}	2002 09 08.4	23 07.07	−13 57.4	17.6	−0.65	−	9.7	2.6/05.3	33869
1999 TU_{260}	2002 09 08.4	23 07.08	−04 48.6	17.1	−1.08	−	2.2	0.4/08.7	2672
2001 FH_{121}	2002 09 08.4	23 07.10	−41 55.8	18.2	−1.29	+	5.5	13.4/31.2	22773
2000 AR_{90}	2002 09 08.4	23 07.11	−00 09.7	18.7	−0.87	−	5.2	1.9/10.2	33855
2001 JN_{8}	2002 09 08.4	23 07.11	+00 01.9	19.8	−0.85	−	5.1	1.8/10.3	14438
2001 HR_{64}	2002 09 08.4	23 07.17	−09 04.9	20.4	−0.93	−	4.9	1.2/07.4	13488

1998 SP_{161}	2002 09 08.4	23 07.19	+03 04.0	18.9	−0.76	−	8.0	2.6/11.6	33785
1981 EO_{23}	2002 09 08.4	23 07.19	−03 39.4	18.4	−0.97	−	6.1	0.9/09.1	33750
1999 XD_{157}	2002 09 08.4	23 07.19	−10 37.2	17.9	−0.87	−	7.5	2.1/06.8	13066
2000 AY_{129}	2002 09 08.5	23 07.16	−05 58.9	18.4	−0.80	−	6.4	0.1/08.4	31892
1999 XA_{30}	2002 09 08.5	23 07.30	−14 06.9	17.7	−0.88	−	7.0	3.0/05.7	13033
1999 XP_{233}	2002 09 08.5	23 07.30	−27 30.5	18.7	−1.02	−	3.8	7.3/01.7	14384
1997 UE_{21}	2002 09 08.5	23 07.37	−14 18.9	19.1	−0.82	−	2.3	2.3/05.9	*34298*
2001 FE_{171}	2002 09 08.5	23 07.44	−23 37.5	20.5	−1.05	−	3.8	6.2/03.1	13847
2000 DO_{96}	2002 09 08.5	23 07.45	−03 02.4	18.3	−0.87	−	4.0	0.9/09.4	33866
2000 CX_{6}	2002 09 08.5	23 07.48	−28 40.3	18.0	−0.93	−	4.3	8.7/31.6	19498
1999 VR_{50}	2002 09 08.5	23 07.53	−02 10.3	18.9	−0.95	−	5.6	1.3/09.7	33837
2001 FS_{172}	2002 09 08.6	23 07.50	−27 06.4	18.5	−0.90	−	6.1	7.2/01.1	33907
2000 GR_{50}	2002 09 08.6	23 07.52	−14 51.6	18.6	−0.79	−	3.4	2.6/05.7	1597
1999 XO_{195}	2002 09 08.6	23 07.56	−08 26.0	18.1	−1.06	−	1.9	1.3/07.8	33170
1994 PK_{17}	2002 09 08.6	23 07.57	−06 16.7	18.1	−0.75	−	8.2	0.3/08.4	33756
2000 GE_{41}	2002 09 08.6	23 07.60	−02 34.4	21.6	−0.69	−	4.9	0.8/09.7	20766
2000 AK_{106}	2002 09 08.6	23 07.63	−01 54.5	16.6	−0.77	−	9.3	1.7/10.0	33856
2192 T-2	2002 09 08.6	23 07.70	−01 25.5	18.1	−0.77	−10.3		1.8/10.2	34058
1999 UC_{44}	2002 09 08.6	23 07.70	+04 09.4	19.0	−0.96	−	5.6	4.4/11.7	33125
1997 GB_{17}	2002 09 08.6	23 07.74	−01 10.3	19.5	−0.86	−	6.6	1.5/10.1	13552
1997 CL_{26}	2002 09 08.6	23 07.78	−14 19.2	18.7	−0.94	−	5.5	2.9/05.9	33760
2002 LL_{37}	2002 09 08.6	23 07.78	+21 50.5	17.3	−0.75	−	3.8	8.3/18.7	33619
2000 AD_{71}	2002 09 08.6	23 07.80	−04 58.1	19.3	−0.89	−	6.2	0.2/08.9	13644
1998 RB_{49}	2002 09 08.6	23 07.83	−02 33.2	18.3	−0.62	−	9.1	1.4/09.8	33776
1999 XK_{165}	2002 09 08.6	23 07.85	−14 26.1	18.7	−0.91	−	5.1	3.1/05.8	31885
2001 DG_{18}	2002 09 08.6	23 07.87	−08 03.2	19.0	−1.51	+	2.5	1.1/08.2	12295
2001 HF_{12}	2002 09 08.6	23 07.90	−12 16.8	17.6	−0.88	−	3.7	2.6/06.6	14429
2000 GN_{65}	2002 09 08.7	23 07.92	−08 30.9	18.6	−0.72	−	4.7	0.8/07.7	3559
2001 KB_{71}	2002 09 08.7	23 08.13	−10 54.3	20.4	−0.93	−	6.0	1.8/07.1	14327
2001 HW_{60}	2002 09 08.7	23 08.16	−27 31.3	19.3	−0.86	−	7.5	7.3/31.6	14436
1999 CD_{18}	2002 09 08.7	23 08.17	−18 22.3	17.9	−0.78	−	2.8	3.4/04.7	33795
1998 QL_{104}	2002 09 08.8	23 08.33	−14 02.7	17.9	−0.88	−	3.0	3.8/06.2	31823
1998 RK_{75}	2002 09 08.8	23 08.33	−15 10.5	17.4	−0.95	−	2.4	3.1/06.0	33777
2000 DF_{7}	2002 09 08.8	23 08.51	−23 05.2	17.4	−0.78	−	5.2	5.2/02.7	33209
1998 ON_{10}	2002 09 08.8	23 08.51	−03 17.4	17.3	−0.77	−	3.9	1.1/09.6	24975
2001 JE	2002 09 08.8	23 08.51	+08 18.3	18.4	−0.75	−	6.2	5.3/13.8	33416
1999 XX_{134}	2002 09 08.8	23 08.54	+36 30.8	19.8	−1.09	+	0.1	11.1/23.0	14801
2000 AY_{198}	2002 09 08.8	23 08.63	−05 56.1	18.0	−0.70	−	8.8	0.1/08.7	15058
1999 XC_{129}	2002 09 08.8	23 08.63	−06 52.1	18.0	−0.98	−	3.6	0.5/08.5	33848
1999 XJ_{85}	2002 09 08.9	23 08.58	+00 15.4	17.5	−0.90	−	4.3	2.7/10.7	33846
2000 EW_{24}	2002 09 08.9	23 08.60	−02 05.1	18.2	−0.69	−	6.6	1.0/10.1	33868
2000 AG_{128}	2002 09 08.9	23 08.77	+21 41.2	18.2	−1.10	+	1.0	9.7/16.4	33188
2000 GE_{90}	2002 09 08.9	23 08.79	−09 28.0	18.0	−0.74	−	5.6	1.2/07.6	26953
2000 DH_{74}	2002 09 08.9	23 08.80	−03 49.1	17.9	−0.97	−	1.4	0.6/09.4	33866
2000 FW_{11}	2002 09 08.9	23 08.86	−24 04.5	18.9	−1.05	+	0.4	5.2/04.0	739
2001 FZ_{101}	2002 09 08.9	23 08.93	+05 49.6	17.8	−1.04	−	3.2	4.5/12.3	33905
1996 NU	2002 09 08.9	23 08.97	−09 19.1	17.3	−0.66	−	8.2	1.0/07.6	33759
6279 P-L	2002 09 08.9	23 08.99	−07 18.2	18.5	−1.07	−	2.1	0.8/08.5	12091
2001 BX_{63}	2002 09 08.9	23 09.01	−05 38.4	19.0	−0.91	−	8.5	0.1/08.9	13808
2000 AP_{11}	2002 09 09.0	23 08.96	−12 15.3	18.9	−1.00	−	4.3	3.1/06.9	33852
1997 GY_{14}	2002 09 09.0	23 08.97	−10 19.2	17.3	−1.02	−	1.8	2.1/07.7	33761
2002 PE_{59}	2002 09 09.0	23 08.99	−12 03.6	17.0	−0.80	−	9.9	3.2/06.6	33731
2001 DQ_{59}	2002 09 09.0	23 08.99	−09 47.2	18.7	−1.04	−	2.8	1.8/07.8	13815
2000 DD_{87}	2002 09 09.0	23 09.02	−08 02.9	18.2	−1.01	−	0.4	0.9/08.3	31901
1999 AT_{8}	2002 09 09.0	23 09.05	−02 14.1	18.8	−0.76	−	7.0	1.2/10.2	25724
1999 VW_{125}	2002 09 09.0	23 09.10	−10 15.2	20.4	−0.94	−	5.3	1.6/07.5	13624
1981 EU_{27}	2002 09 09.0	23 09.17	−04 17.1	17.6	−0.88	−10.5		0.5/09.5	*36501*
1998 HU_{101}	2002 09 09.0	23 09.18	+06 16.4	20.0	−0.95	−	7.4	4.6/13.1	33767
2001 DW_{44}	2002 09 09.0	23 09.28	−04 37.9	16.9	−1.05	−	1.6	0.4/09.3	12299
2000 CG_{88}	2002 09 09.0	23 09.31	−06 09.1	18.1	−0.81	−	4.3	0.2/08.9	14397
2000 CE_{37}	2002 09 09.0	23 09.34	−05 42.7	18.2	−0.70	−	7.7	0.1/09.0	14395
1999 XM_{154}	2002 09 09.1	23 09.36	−18 37.9	18.1	−0.85	−	6.8	6.0/04.5	33848
1998 WE_{11}	2002 09 09.1	23 09.39	−12 53.5	18.9	−0.81	−	5.6	2.5/06.6	31845
2001 FO_{33}	2002 09 09.1	23 09.45	−04 07.5	18.7	−0.94	−	7.6	0.5/09.6	11993
1997 SZ_{30}	2002 09 09.1	23 09.46	+05 04.7	17.9	−0.64	−	9.0	4.1/13.3	33014
1998 KP_{29}	2002 09 09.1	23 09.53	−08 20.0	19.4	−0.94	−	8.1	1.1/08.2	13566
1997 CZ_{23}	2002 09 09.1	23 09.57	−07 40.0	20.6	−0.94	−	6.3	0.9/08.4	13550
2001 FT_{137}	2002 09 09.1	23 09.58	−10 39.5	20.4	−0.93	−	5.7	1.8/07.5	17589
1999 VW_{52}	2002 09 09.1	23 09.58	−18 31.3	17.9	−0.97	−	6.1	5.9/04.8	*40395*
2001 FC_{172}	2002 09 09.1	23 09.59	−28 36.4	17.2	−0.75	−	8.8	8.9/30.8	14426
2000 EX_{37}	2002 09 09.1	23 09.64	−07 52.2	18.7	−0.74	−	3.6	0.7/08.4	719
2001 EB_{5}	2002 09 09.1	23 09.68	−09 49.0	20.1	−0.99	−	6.2	1.7/07.8	11931
2000 FQ_{12}	2002 09 09.2	23 09.69	−21 52.8	18.5	−0.76	−	5.0	4.8/03.5	13189
1988 BN_{5}	2002 09 09.2	23 09.71	+12 09.4	19.8	−0.73	−	3.3	4.2/15.1	*35679*
1998 WK_{4}	2002 09 09.2	23 09.72	−11 18.0	17.6	−0.80	−	5.0	2.6/07.3	13585
2000 DK_{22}	2002 09 09.2	23 09.73	−09 08.6	18.9	−0.81	−	7.7	1.3/07.9	*40462*
2001 HV_{19}	2002 09 09.2	23 09.77	−07 34.4	18.8	−0.87	−	5.7	0.9/08.5	19933
2001 JS_{1}	2002 09 09.2	23 09.80	−05 56.6	19.4	−0.83	−	6.7	0.2/09.0	25897
2001 KZ_{9}	2002 09 09.2	23 09.80	+01 31.0	19.5	−0.79	−	6.3	2.2/11.6	14440
2000 GM_{55}	2002 09 09.2	23 09.80	+05 16.3	19.0	−0.68	−	7.3	3.1/13.1	15074
1999 XR_{4}	2002 09 09.2	23 09.81	−07 51.6	19.2	−0.93	−	6.6	0.9/08.4	15052
1999 XF_{95}	2002 09 09.2	23 09.83	−07 37.8	19.2	−0.97	−	5.0	0.9/08.5	17101
1998 HY_{101}	2002 09 09.2	23 09.85	−01 10.2	19.1	−0.92	−	7.4	1.8/10.7	4408
2001 HR_{9}	2002 09 09.2	23 09.86	−03 19.9	18.7	−0.74	−	6.2	0.7/10.0	15097
1995 YR_{6}	2002 09 09.2	23 09.86	−10 24.3	19.4	−0.90	−	5.8	1.7/07.6	14349
2000 ET_{116}	2002 09 09.2	23 09.94	−04 23.8	18.1	−0.77	−	5.5	0.3/09.6	33225
2000 DE_{101}	2002 09 09.2	23 10.00	−12 17.0	17.4	−0.86	−	2.0	2.2/07.2	3524
1999 VD_{35}	2002 09 09.3	23 10.07	−17 46.0	17.9	−0.96	−	4.3	4.7/05.5	33837
2000 ET_{20}	2002 09 09.3	23 10.09	+10 12.0	19.0	−0.88	−	2.9	4.9/14.1	31902
2001 DX_{47}	2002 09 09.3	23 10.15	−25 28.6	18.6	−1.70	+	6.2	10.1/05.7	13814
2001 FN_{32}	2002 09 09.3	23 10.29	−09 49.7	20.0	−0.85	−	7.4	1.6/07.8	13828
2001 HP_{44}	2002 09 09.3	23 10.30	−11 02.2	19.9	−1.00	−	4.6	2.1/07.6	13468
1999 XL_{111}	2002 09 09.3	23 10.30	−23 38.0	17.5	−1.09	−	0.2	8.8/04.1	14166
2000 GL_{111}	2002 09 09.3	23 10.32	+05 06.7	18.0	−0.71	−	6.0	3.1/13.1	33874
2001 HJ_{9}	2002 09 09.3	23 10.34	−28 38.9	17.9	−0.89	−	1.2	8.6/02.0	33908
1999 XE_{62}	2002 09 09.3	23 10.36	−07 59.8	19.5	−0.92	−	5.3	0.9/08.5	14380
1998 KT_{56}	2002 09 09.3	23 10.37	−17 52.3	18.7	−0.97	−	5.1	5.5/05.5	33769
2001 HY_{16}	2002 09 09.3	23 10.38	−13 56.6	17.9	−0.73	−10.4		3.0/06.1	15097
2000 AR_{65}	2002 09 09.3	23 10.43	−03 12.0	16.2	−1.10	+	2.2	1.1/09.9	33182
1999 XZ_{25}	2002 09 09.4	23 10.38	−26 10.7	16.7	−0.88	−	3.9	10.5/02.2	33843
1997 GG_{15}	2002 09 09.4	23 10.38	−05 50.5	19.5	−0.94	−	5.2	0.2/09.2	15024
2000 CF_{91}	2002 09 09.4	23 10.38	−07 52.4	19.3	−0.68	−	6.3	0.6/08.5	*40457*

2000 EO_{12}	2002 09 09.4	23 10.43	−19 46.5	18.5	−0.78	− 4.5	4.5/04.6	14401
1998 MP_{11}	2002 09 09.4	23 10.44	+13 15.8	19.0	−0.88	−10.2	7.5/16.7	33769
2001 DT_{73}	2002 09 09.4	23 10.45	−03 31.0	19.8	−1.04	− 4.3	0.7/09.9	12302
1998 RL_{37}	2002 09 09.4	23 10.47	+01 10.3	17.7	−0.87	− 2.8	3.0/11.4	1966
2000 EB_{185}	2002 09 09.4	23 10.48	−22 52.0	17.8	−0.79	−11.6	7.2/02.2	27662
2001 KC_{58}	2002 09 09.4	23 10.50	−03 20.0	19.6	−0.81	− 7.3	0.6/10.1	17618
2001 HH_{22}	2002 09 09.4	23 10.52	−07 47.3	20.3	−0.91	− 6.0	0.8/08.6	13437
6297 P-L	2002 09 09.4	23 10.54	−12 31.8	18.9	−1.08	+ 0.3	2.7/07.6	32042
2000 AA_{23}	2002 09 09.4	23 10.55	−06 55.9	19.6	−0.91	− 5.4	0.6/08.9	4547
1997 WM_{15}	2002 09 09.4	23 10.58	−07 49.8	18.6	−0.74	− 5.2	0.8/08.6	2629
1994 SC_6	2002 09 09.4	23 10.75	−05 05.7	18.6	−0.84	− 7.2	0.1/09.6	30247
1995 UK_{35}	2002 09 09.4	23 10.78	−09 44.0	21.5	−0.91	− 6.2	1.5/08.0	14742
2001 FR_{46}	2002 09 09.4	23 10.80	−10 55.0	18.5	−0.96	− 1.4	2.2/07.9	33903
1997 TE_{18}	2002 09 09.4	23 10.82	−25 19.2	18.0	−1.01	+ 1.3	7.1/04.2	9059
2001 CU_{31}	2002 09 09.5	23 10.80	−36 48.4	19.6	−1.38	+ 2.5	11.3/02.0	13811
1996 DJ	2002 09 09.5	23 10.84	+30 52.2	20.1	−1.02	− 0.9	9.1/21.5	14350
1991 PZ_1	2002 09 09.5	23 10.85	−08 33.6	18.5	−0.97	− 5.9	1.3/08.5	33752
1999 XE_{237}	2002 09 09.5	23 10.90	−08 59.2	20.6	−0.96	− 5.4	1.3/08.4	2252
1999 XY_{213}	2002 09 09.5	23 10.92	−28 46.5	18.7	−0.91	− 6.6	8.2/01.0	33851
2000 EF_{121}	2002 09 09.5	23 11.00	−12 12.1	18.3	−0.81	− 2.6	1.9/07.4	18242
1999 CY_{66}	2002 09 09.5	23 11.01	+16 58.2	17.1	−0.79	− 2.0	6.9/16.9	33068
2000 CH_{25}	2002 09 09.5	23 11.03	−01 24.9	18.7	−0.83	− 6.8	1.3/10.9	33861
2000 CL_{61}	2002 09 09.5	23 11.04	+05 04.2	19.7	−0.81	− 4.0	2.9/12.9	707
2001 BX_{67}	2002 09 09.5	23 11.14	−07 48.3	18.8	−1.00	− 4.3	1.0/08.8	33894
1999 CK_{123}	2002 09 09.6	23 11.09	−29 53.4	18.8	−0.90	− 2.2	7.4/01.3	16947
2000 GK_{148}	2002 09 09.6	23 11.16	−05 38.9	19.6	−0.74	− 4.9	0.1/09.5	26955
1996 XN_{19}	2002 09 09.6	23 11.20	−11 38.5	18.7	−0.98	− 6.1	2.5/07.6	16008
1997 CX_{13}	2002 09 09.6	23 11.24	−12 38.0	19.2	−0.89	− 7.1	2.8/07.2	13550
1998 SO_{57}	2002 09 09.6	23 11.45	−09 25.3	18.5	−0.88	− 5.4	1.5/08.3	33778
2001 FM_{28}	2002 09 09.6	23 11.48	−11 50.3	17.8	−0.82	− 9.3	2.9/07.3	11988
2001 HY_{56}	2002 09 09.6	23 11.51	−24 06.5	18.3	−0.92	− 4.5	6.8/03.5	13482
2001 FZ_{42}	2002 09 09.7	23 11.48	−07 22.2	18.3	−1.07	− 2.5	0.9/09.1	17578
2000 AJ_{112}	2002 09 09.7	23 11.49	−08 36.7	18.4	−0.89	− 7.2	1.2/08.6	*40436*
2000 BL_{32}	2002 09 09.7	23 11.49	−12 08.3	18.3	−0.82	− 6.2	2.5/07.4	31896
2000 GY_5	2002 09 09.7	23 11.49	+02 06.4	18.6	−0.76	− 8.6	2.4/12.4	31906
2001 FT_{97}	2002 09 09.7	23 11.55	−15 21.4	18.6	−0.90	− 7.2	3.7/06.3	33905
1999 CZ_{13}	2002 09 09.7	23 11.58	−17 48.2	19.6	−0.62	− 3.2	2.5/05.4	27614
1998 SG_{98}	2002 09 09.7	23 11.59	−01 06.6	18.6	−0.74	− 9.8	1.7/11.2	33781
1998 SQ_{15}	2002 09 09.7	23 11.60	−03 31.5	18.3	−0.88	− 5.9	0.6/10.3	*39232*
2000 AM_{31}	2002 09 09.7	23 11.60	−13 02.8	17.9	−0.95	− 6.8	3.4/07.1	*40429*
2000 AW_{85}	2002 09 09.7	23 11.67	−04 21.4	18.8	−0.89	− 6.9	0.4/10.0	33855
2000 BL_{16}	2002 09 09.7	23 11.71	+07 46.9	18.9	−0.92	− 3.0	4.2/13.7	33860
1992 RD_7	2002 09 09.7	23 11.71	−08 53.1	18.2	−0.76	− 5.5	1.2/08.5	33753
2000 BF_{21}	2002 09 09.7	23 11.84	+13 16.9	17.6	−1.05	+ 1.2	7.9/14.7	33860
1998 YK_4	2002 09 09.7	23 11.85	+09 42.1	19.6	−0.82	− 4.5	4.7/14.6	4924
2001 FL_{167}	2002 09 09.8	23 11.83	−09 14.7	20.8	−0.83	− 6.5	1.2/08.4	14426
1995 HR_2	2002 09 09.8	23 11.91	−22 13.5	18.4	−0.83	− 3.4	4.9/04.2	612
2000 CM_{112}	2002 09 09.8	23 11.94	+07 01.9	19.9	−0.70	− 5.5	3.2/14.2	1245
2000 AH_5	2002 09 09.8	23 11.98	+17 09.1	18.7	−0.93	− 3.2	7.2/17.1	33852
2001 FU_{41}	2002 09 09.8	23 11.99	−07 58.5	18.5	−0.90	− 5.4	1.1/08.9	33902
1999 TA_{122}	2002 09 09.8	23 12.08	−00 13.1	18.0	−0.64	− 3.8	3.0/12.0	33102
2000 JY_5	2002 09 09.8	23 12.09	−28 53.0	19.4	−0.80	− 3.1	5.7/01.7	1326
2000 EJ_{30}	2002 09 09.8	23 12.13	−18 04.6	18.0	−0.74	− 6.8	4.2/05.2	33868
1998 KM_4	2002 09 09.8	23 12.17	−14 29.6	18.4	−0.97	− 6.2	3.7/06.9	12125
1998 XC_{73}	2002 09 09.8	23 12.21	+00 27.4	18.2	−0.85	− 2.0	1.6/11.5	33791
2001 FK_{141}	2002 09 09.9	23 12.17	−11 32.9	18.4	−0.90	− 3.9	3.0/07.9	33402
1995 DW_8	2002 09 09.9	23 12.17	−07 01.2	18.0	−0.76	− 5.6	0.6/09.3	9679
2000 CC_{117}	2002 09 09.9	23 12.22	−07 53.1	18.9	−0.81	− 5.3	0.9/09.0	7001
2001 HX_{60}	2002 09 09.9	23 12.24	−32 30.8	18.5	−0.78	− 5.1	8.3/30.8	33910
1998 QB_{41}	2002 09 09.9	23 12.25	−03 03.4	18.2	−0.79	− 7.5	0.9/10.6	*32706*
2000 CN_{76}	2002 09 09.9	23 12.32	−07 04.5	18.4	−0.75	− 4.2	0.6/09.3	33863
1998 RE_{77}	2002 09 09.9	23 12.33	−14 42.3	17.6	−0.96	− 3.2	4.1/07.0	33777
2000 AT_{23}	2002 09 09.9	23 12.33	−10 22.9	18.8	−0.95	− 5.5	1.9/08.3	22124
2000 BY_6	2002 09 09.9	23 12.37	−16 12.5	18.2	−0.97	− 1.6	3.5/06.8	33196
2000 CN_{83}	2002 09 09.9	23 12.38	+06 34.0	19.3	−0.93	− 0.4	3.2/13.2	6268
2000 FF_{19}	2002 09 09.9	23 12.39	−22 15.8	19.3	−0.78	− 4.4	5.1/04.1	8205
2001 DS_{15}	2002 09 09.9	23 12.46	−16 59.8	19.6	−0.94	− 5.6	4.6/06.2	11861
2000 EC_{148}	2002 09 09.9	23 12.49	+01 33.8	17.9	−0.66	− 8.2	1.9/12.5	1582
2000 DZ_{26}	2002 09 09.9	23 12.52	−04 17.0	19.9	−0.80	− 5.1	0.2/10.2	*39448*
2000 EW_{44}	2002 09 09.9	23 12.56	+01 50.4	18.6	−0.68	− 7.7	2.1/12.5	26937
1997 AE_{13}	2002 09 09.9	23 12.57	−18 04.7	19.4	−0.96	− 5.2	4.3/05.9	13549
2000 AX_{137}	2002 09 09.9	23 12.59	−12 24.4	18.7	−0.73	− 4.2	1.8/07.6	700
1999 TB_3	2002 09 09.9	23 12.61	−04 54.7	19.0	−1.03	− 5.7	0.1/10.1	12161
2000 AN_{242}	2002 09 10.0	23 12.60	−06 49.0	16.7	−0.98	− 0.8	0.6/09.5	33860
2001 NN	2002 09 10.0	23 12.61	+17 12.7	19.7	−0.89	− 3.2	7.0/17.5	15845
1997 YZ_6	2002 09 10.0	23 12.61	+38 15.8	18.0	−1.27	+ 2.2	21.2/24.8	30258
1995 VY_{10}	2002 09 10.0	23 12.62	−10 39.3	19.4	−0.92	− 6.4	2.0/08.2	13544
2000 DR_9	2002 09 10.0	23 12.66	−05 24.5	18.3	−0.83	− 5.7	0.1/09.9	4560
2001 FX_{124}	2002 09 10.0	23 12.77	+01 23.3	18.8	−0.73	−12.0	2.5/12.6	31945
2000 AS_{12}	2002 09 10.0	23 12.77	−07 19.4	19.7	−0.94	− 5.5	0.8/09.3	19472
1999 TS_{205}	2002 09 10.0	23 12.78	−08 27.7	18.7	−1.00	− 4.1	1.3/09.1	13614
2000 CP_{36}	2002 09 10.0	23 12.78	−05 30.1	18.0	−0.76	− 6.9	0.1/09.9	33862
1997 TP_{11}	2002 09 10.0	23 12.80	−04 09.4	19.0	−0.78	− 4.7	0.3/10.4	617
2001 FB_{80}	2002 09 10.0	23 12.83	−06 23.5	17.7	−1.02	− 0.9	0.5/09.7	30454
1981 EE_7	2002 09 10.0	23 12.83	+02 34.1	18.8	−1.06	− 4.0	3.2/12.3	33750
2000 GU_{101}	2002 09 10.1	23 12.89	−04 31.4	18.5	−0.85	− 2.4	0.2/10.3	19619
1981 EV_{11}	2002 09 10.1	23 12.91	+05 32.8	18.4	−0.87	− 9.0	4.5/13.9	33750
1999 VT_{97}	2002 09 10.1	23 12.92	+04 10.1	18.3	−0.91	− 9.0	3.8/13.4	33839
2000 EP_{150}	2002 09 10.1	23 12.92	−04 43.3	18.3	−0.73	− 4.5	0.1/10.2	*40494*
2001 DP_{92}	2002 09 10.1	23 12.93	+00 53.3	19.0	−1.55	+ 3.8	2.8/11.2	12304
1998 SG_{102}	2002 09 10.1	23 13.00	−09 08.7	18.9	−0.88	− 4.3	1.4/08.8	31833
2000 DT_{42}	2002 09 10.1	23 13.01	−08 40.3	18.7	−0.79	− 6.6	1.1/08.9	712
1997 GB_{12}	2002 09 10.1	23 13.08	−03 16.0	19.9	−0.91	− 6.2	0.6/10.7	2626
1997 GE_{15}	2002 09 10.1	23 13.09	−04 25.3	20.1	−0.92	− 5.3	0.2/10.3	14352
1999 VQ_{68}	2002 09 10.1	23 13.13	−20 51.9	17.4	−0.99	− 1.4	7.9/05.7	*40397*
2001 FE_{70}	2002 09 10.1	23 13.14	−02 50.4	17.8	−0.72	−12.0	0.8/11.0	33904
2001 HX_6	2002 09 10.1	23 13.21	−11 29.8	19.3	−0.86	− 6.3	2.3/08.0	13413
1998 HS_{122}	2002 09 10.1	23 13.25	−18 29.9	19.3	−0.98	− 5.8	5.6/05.9	16821
1997 AK_8	2002 09 10.1	23 13.26	−07 29.0	19.6	−0.90	− 6.8	0.8/09.4	13549
1998 RN_{48}	2002 09 10.1	23 13.26	−01 47.7	18.6	−0.86	− 5.3	1.2/11.2	31825
2000 AV_{10}	2002 09 10.1	23 13.27	+01 09.8	18.0	−0.98	− 1.7	3.0/11.9	26926
2000 AS_{16}	2002 09 10.1	23 13.29	−04 04.6	18.4	−0.94	− 5.0	0.3/10.5	*40428*

1998 QK_{81}	2002 09 10.1	23 13.30	+18 24.3	18.3	−0.75	−	6.4	10.3/19.3	33030
1994 UN_{11}	2002 09 10.2	23 13.24	−05 21.5	18.5	−0.82	−	7.4	0.1/10.1	33000
2000 AH_{219}	2002 09 10.2	23 13.28	−00 42.1	18.4	−0.87	−	4.1	1.5/11.6	14813
2001 KX_{72}	2002 09 10.2	23 13.35	−10 12.5	20.3	−0.94	−	5.9	1.8/08.6	22777
2000 AY_{24}	2002 09 10.2	23 13.45	−01 00.5	20.2	−0.85	−	5.1	1.3/11.5	3485
2000 AD_{150}	2002 09 10.2	23 13.48	+15 05.9	18.4	−0.81	−	6.5	6.4/17.6	33858
1998 SE_{56}	2002 09 10.2	23 13.48	−06 17.7	17.9	−1.13	+	1.4	0.5/09.9	33045
1999 VT_{36}	2002 09 10.2	23 13.53	−18 03.8	18.3	−0.96	−	5.1	4.9/06.1	12984
1998 SF_{164}	2002 09 10.2	23 13.54	−23 44.6	18.6	−0.94	−	2.7	6.5/04.4	31837
2001 EK	2002 09 10.2	23 13.56	−06 10.1	19.3	−0.91	−	6.7	0.4/09.9	13818
2000 EV_{146}	2002 09 10.2	23 13.57	−18 55.3	19.0	−1.01	−	3.1	4.5/06.0	735
1999 UR_{49}	2002 09 10.2	23 13.57	−05 59.9	19.0	−0.78	−	9.0	0.5/09.9	14146
2000 EN_{184}	2002 09 10.2	23 13.59	−18 09.9	17.7	−0.72	−	6.9	4.3/05.5	33871
1999 TD_{293}	2002 09 10.3	23 13.66	+11 19.0	18.9	−0.93	−	7.5	6.0/16.0	33834
2000 JF_{27}	2002 09 10.3	23 13.68	−12 22.8	18.6	−0.78	−	2.9	1.9/08.0	31910
1999 XN_{144}	2002 09 10.3	23 13.73	−13 19.4	19.0	−0.89	−	4.6	2.6/07.7	14382
1998 KJ_{39}	2002 09 10.3	23 13.88	−19 20.4	18.5	−0.93	−	3.1	6.8/06.0	33768
2001 DL_{90}	2002 09 10.3	23 13.92	+09 48.7	19.4	−0.99	−	4.9	5.4/15.1	13817
2000 DG_{61}	2002 09 10.3	23 14.02	−07 12.1	17.9	−0.75	−	4.5	0.8/09.7	33866
2001 HH_{56}	2002 09 10.3	23 14.04	−00 14.4	19.6	−0.83	−	4.0	1.4/12.0	18317
1999 XO_{104}	2002 09 10.4	23 13.98	−48 52.9	19.8	−1.07	−	5.1	11.8/23.0	*38847*
1998 RO	2002 09 10.4	23 13.99	+01 48.7	18.9	−0.87	−	7.1	2.6/12.7	33773
2000 AZ_{146}	2002 09 10.4	23 14.01	−15 30.4	17.5	−1.04	−	4.0	4.8/07.2	33189
2000 FR_{12}	2002 09 10.4	23 14.19	−25 10.2	17.6	−0.74	−	5.1	5.6/03.2	33871
2000 AT_{74}	2002 09 10.4	23 14.19	−18 10.8	18.2	−0.78	−	8.4	6.5/05.4	17131
1999 XK_{46}	2002 09 10.4	23 14.20	−03 20.3	18.9	−0.97	−	5.9	0.7/10.9	*38140*
2000 EY_{60}	2002 09 10.4	23 14.23	−12 26.6	17.2	−1.04	+	1.9	2.6/08.6	33868
2000 AS_{142}	2002 09 10.4	23 14.30	−12 10.3	18.3	−0.77	−	8.8	2.3/07.8	*39578*
2001 FL_{171}	2002 09 10.5	23 14.32	−21 45.2	18.2	−1.01	+	1.1	5.7/06.2	20838
2001 FO_{162}	2002 09 10.5	23 14.47	−23 07.8	19.4	−0.93	−	7.3	6.9/04.1	22774
1992 SH_6	2002 09 10.5	23 14.49	−09 05.6	18.4	−1.03	−	2.0	2.1/09.4	1879
1999 VB_{162}	2002 09 10.5	23 14.50	+02 23.1	18.9	−0.96	−	5.6	2.8/12.8	13004
1999 VP_{29}	2002 09 10.5	23 14.50	−17 14.3	18.9	−1.02	−	3.9	4.8/06.8	13620
2000 EB_{158}	2002 09 10.5	23 14.59	+05 04.8	17.3	−0.81	−	3.1	3.0/13.7	33871
1999 XV_{116}	2002 09 10.5	23 14.64	−11 03.2	17.8	−0.99	−	1.7	3.2/08.8	33847
1999 XQ_{75}	2002 09 10.5	23 14.67	−13 46.1	19.9	−0.87	−	5.8	2.8/07.6	19467
1998 SS_{65}	2002 09 10.5	23 14.72	−09 43.5	17.0	−0.72	−	7.2	2.2/08.8	27610
2001 FX_{37}	2002 09 10.6	23 14.70	+03 38.8	18.6	−0.94	−	6.6	3.3/13.4	13829
2001 HX_{62}	2002 09 10.6	23 14.75	+01 14.6	20.2	−0.91	−	6.7	2.1/12.6	13486
1999 VU_6	2002 09 10.6	23 14.77	−08 53.2	18.4	−0.97	−	5.6	1.5/09.4	13619
1995 UC_{69}	2002 09 10.6	23 14.89	−04 20.5	20.8	−0.92	−	5.8	0.2/10.8	15576
1999 XW_{200}	2002 09 10.6	23 14.90	+04 38.2	18.8	−0.92	−	3.7	3.0/13.6	33171
1998 TU_{17}	2002 09 10.6	23 14.95	−07 03.4	19.4	−0.85	−	5.4	0.9/09.9	27612
2000 ES_{173}	2002 09 10.6	23 14.96	−31 37.7	19.1	−0.82	−	3.3	7.3/01.3	17222
2001 FB_{61}	2002 09 10.6	23 15.05	−06 53.7	19.6	−0.91	−	6.7	0.7/10.0	16093
2001 HC_{28}	2002 09 10.6	23 15.05	−05 48.2	18.6	−0.86	−	5.8	0.3/10.4	16095
2001 KY_{36}	2002 09 10.6	23 15.06	−33 09.0	17.7	−0.94	−	4.7	9.9/31.1	14937
2000 CR_{103}	2002 09 10.6	23 15.09	+12 42.5	18.7	−0.92	−	2.3	5.9/16.0	33208
2001 MJ_5	2002 09 10.7	23 15.05	−02 34.0	17.5	−0.60	−11.1		0.7/11.6	33912
2000 DA_{99}	2002 09 10.7	23 15.11	−09 43.5	17.0	−0.95	−	0.7	2.1/09.4	33867
2001 EL_{12}	2002 09 10.7	23 15.19	−09 03.4	18.9	−0.82	−	8.3	1.5/09.2	13820
1981 EV_4	2002 09 10.7	23 15.20	+03 10.8	20.1	−1.01	−	5.1	3.1/13.2	11458
2000 CB_{88}	2002 09 10.7	23 15.35	−09 47.7	20.6	−0.86	−	5.2	1.6/09.1	4557
2000 AK_{170}	2002 09 10.7	23 15.38	−04 02.3	19.6	−0.88	−	9.3	0.3/11.0	23513
2001 MC_{10}	2002 09 10.7	23 15.41	−32 25.6	18.2	−0.99	−	1.5	10.8/01.8	19942
1998 KU_4	2002 09 10.7	23 15.48	−21 59.5	16.6	−0.92	−	4.2	8.1/05.1	33768
1998 RD_{48}	2002 09 10.7	23 15.49	−01 05.7	18.7	−0.93	−	4.3	1.4/11.9	31825
2000 CS_{40}	2002 09 10.8	23 15.44	−17 09.6	19.3	−0.70	−	7.3	3.4/06.3	16049
2000 GS_{101}	2002 09 10.8	23 15.46	+04 45.9	18.0	−0.70	−	6.5	3.0/14.2	33874
1999 UH_{44}	2002 09 10.8	23 15.50	−10 00.3	18.5	−1.07	−	2.7	2.1/09.4	13618
1999 XU_{83}	2002 09 10.8	23 15.53	−07 39.2	18.3	−0.91	−	6.1	1.0/09.9	*40413*
1999 VW_{60}	2002 09 10.8	23 15.63	−18 01.9	18.3	−1.04	−	4.1	5.3/06.8	33838
2001 KJ_7	2002 09 10.8	23 15.66	+24 31.9	18.9	−0.77	−	3.7	7.0/22.0	14934
2000 AJ_8	2002 09 10.8	23 15.69	−20 30.0	17.8	−0.95	−	4.7	6.7/05.7	33852
1989 SK_1	2002 09 10.8	23 15.74	−13 53.2	17.2	−0.82	−	3.4	4.1/08.0	33751
2001 FN_{75}	2002 09 10.8	23 15.75	−20 56.5	18.2	−1.03	−	1.2	6.3/06.4	13318
1998 XY_6	2002 09 10.8	23 15.77	−06 42.6	19.4	−0.80	−	5.4	0.7/10.2	27612
1995 BH	2002 09 10.8	23 15.81	−02 37.2	19.2	−0.82	−	4.9	0.6/11.6	31805
1999 XT_{94}	2002 09 10.9	23 15.76	−07 35.6	17.7	−0.94	−	5.7	1.1/10.0	33846
2000 AV_{144}	2002 09 10.9	23 15.77	+02 48.4	18.0	−0.98	−	1.6	2.6/13.0	*40440*
2001 FZ_{129}	2002 09 10.9	23 15.80	−07 38.3	19.1	−1.09	−	0.5	1.1/10.2	12085
2001 HH_{44}	2002 09 10.9	23 15.83	−13 50.0	19.6	−0.84	−	4.1	3.1/08.0	17603
2000 FL_{45}	2002 09 10.9	23 15.90	−15 47.0	18.3	−0.75	−	4.3	3.0/07.2	1589
1999 XW_{213}	2002 09 10.9	23 15.99	−08 26.0	18.1	−0.84	−	8.4	1.7/09.7	33850
1999 XF_{56}	2002 09 10.9	23 16.02	+06 06.3	18.2	−0.90	−	6.5	4.5/14.6	33845
2000 DR_{99}	2002 09 10.9	23 16.03	−14 34.4	18.4	−0.81	−	5.6	3.3/07.6	33867
2000 FF_{15}	2002 09 10.9	23 16.03	−37 01.3	21.2	−0.93	−	0.9	6.9/31.4	1585
1999 XT_{169}	2002 09 10.9	23 16.05	−11 57.0	18.2	−0.96	−	5.0	2.5/08.7	30342
1999 XU_{94}	2002 09 10.9	23 16.08	−07 12.1	18.3	−0.89	−	5.2	0.8/10.2	*40414*
2001 FO_{47}	2002 09 10.9	23 16.09	−13 41.0	18.3	−0.99	−	1.6	3.1/08.5	33389
1999 XM_{144}	2002 09 10.9	23 16.17	−29 15.5	18.6	−0.87	−	3.7	6.6/02.7	1556
1998 QO_{61}	2002 09 11.0	23 16.13	−12 47.0	17.3	−0.80	−	5.1	3.8/08.3	33029
1999 XL_{42}	2002 09 11.0	23 16.13	−08 16.1	19.9	−0.96	−	5.3	1.2/09.9	14380
1998 SA_2	2002 09 11.0	23 16.18	−14 48.7	19.4	−0.92	−	6.4	3.8/07.6	31828
2001 JB_7	2002 09 11.0	23 16.20	−03 33.9	18.8	−0.77	−	7.5	0.4/11.4	33910
2001 AK_{28}	2002 09 11.0	23 16.20	+12 25.8	18.1	−1.56	+	4.3	8.3/14.4	33891
2000 AD_{149}	2002 09 11.0	23 16.21	−02 49.7	17.3	−0.86	−	8.2	0.7/11.7	15057
1999 WL_{24}	2002 09 11.0	23 16.25	−07 15.1	19.0	−0.89	−	6.6	0.9/10.2	33842
2002 LN_{56}	2002 09 11.0	23 16.28	−12 25.0	17.1	−0.46	−13.5		3.8/07.6	33631
1998 LY	2002 09 11.0	23 16.30	−13 09.2	20.1	−1.00	−	5.4	3.2/08.4	12869
1999 VE_{145}	2002 09 11.0	23 16.31	−06 42.4	19.5	−1.01	−	3.8	0.7/10.5	13624
1997 WV_{13}	2002 09 11.0	23 16.33	−05 24.8	17.7	−0.75	−	3.6	0.2/10.8	619
2002 NQ_{32}	2002 09 11.0	23 16.34	+18 08.5	17.6	−0.99	−	0.2	9.5/17.8	33674
2000 AY_{97}	2002 09 11.0	23 16.40	−08 30.0	17.8	−0.90	−	2.8	1.2/09.9	33855
2000 CE_{20}	2002 09 11.0	23 16.48	−03 03.5	19.1	−0.84	−	7.0	0.5/11.6	*39372*
1999 TJ_{53}	2002 09 11.0	23 16.50	+03 48.5	18.8	−0.92	−	8.7	3.8/14.1	33827
1997 SG_{24}	2002 09 11.0	23 16.51	+06 03.7	18.7	−0.71	−	6.5	3.4/15.0	33762
1998 SB_{34}	2002 09 11.1	23 16.59	−12 01.9	18.4	−1.19	+	1.8	2.7/09.4	33778
1997 CK_{27}	2002 09 11.1	23 16.61	−13 40.1	18.6	−0.94	−	7.2	3.6/08.1	33760
1997 EN_{58}	2002 09 11.1	23 16.68	−06 27.3	21.0	−0.92	−	5.1	0.6/10.6	27589
2001 HL_{38}	2002 09 11.1	23 16.77	−11 02.8	20.0	−0.78	−	6.3	1.8/09.0	15098
2000 DT_{41}	2002 09 11.1	23 16.80	−08 05.3	18.2	−0.76	−	5.7	1.2/10.0	14399

2001 HN_{36}	2002 09 11.1	23 16.87	+38 05.2	19.2	−0.84	− 7.1	12.8/01.4	33411
1999 XN_{237}	2002 09 11.1	23 16.89	−08 36.6	19.5	−0.92	− 5.7	1.4/09.9	17116
2000 AR_{66}	2002 09 11.1	23 16.91	+05 16.3	17.7	−1.13	+ 1.1	4.6/13.5	33182
1999 VB_{217}	2002 09 11.1	23 16.92	−06 05.8	18.4	−0.89	− 7.9	0.5/10.7	23510
2001 AX_{37}	2002 09 11.2	23 16.84	+10 04.0	18.4	−1.57	+ 4.5	7.3/13.9	33353
2000 DK_{21}	2002 09 11.2	23 16.93	+03 31.9	18.8	−0.85	− 1.9	2.4/13.7	26930
1999 VJ_{26}	2002 09 11.2	23 16.94	−09 52.8	19.1	−0.97	− 5.7	2.0/09.6	14377
2001 DP_{43}	2002 09 11.2	23 16.96	−04 13.3	19.1	−0.97	− 5.1	0.2/11.4	12299
1998 HC_{61}	2002 09 11.2	23 16.99	−08 35.9	19.1	−1.03	− 4.5	1.7/10.1	19333
1999 XG_{64}	2002 09 11.2	23 17.05	−08 41.9	19.0	−0.92	− 5.8	1.4/09.9	14380
1999 YT_{1}	2002 09 11.2	23 17.07	+14 04.0	20.4	−0.82	− 4.9	5.2/17.7	17121
1997 SD_{33}	2002 09 11.2	23 17.11	−04 27.7	19.3	−0.71	− 4.4	0.0/11.3	1422
2000 AG_{96}	2002 09 11.2	23 17.12	+12 49.7	18.0	−0.98	− 0.9	6.2/16.4	33185
1997 AL_{19}	2002 09 11.2	23 17.14	−11 10.2	18.2	−0.91	− 7.9	2.4/09.0	33760
1998 SM_{17}	2002 09 11.2	23 17.19	−05 16.9	17.8	−0.78	− 8.2	0.3/11.0	10868
2000 BW_{16}	2002 09 11.2	23 17.20	−05 17.6	19.1	−0.94	− 5.3	0.3/11.1	18228
2001 FA_{121}	2002 09 11.2	23 17.21	−18 42.3	19.8	−0.85	− 3.2	4.4/06.9	13841
2000 AH_{243}	2002 09 11.2	23 17.21	+11 23.0	19.1	−0.86	− 4.6	5.0/16.5	31895
2000 AK_{67}	2002 09 11.2	23 17.22	−25 01.4	17.0	−0.67	−10.3	8.7/02.7	13644
1998 WB_{15}	2002 09 11.2	23 17.25	−17 18.7	19.0	−0.83	− 5.0	4.5/07.0	13585
1999 WU_{7}	2002 09 11.2	23 17.25	−24 58.8	17.4	−0.83	− 6.9	7.2/03.9	33842
2001 DL_{108}	2002 09 11.3	23 17.22	−09 31.0	19.4	−1.16	+ 1.1	1.9/10.2	31941
1998 QQ_{29}	2002 09 11.3	23 17.24	−00 26.1	19.4	−0.84	− 8.1	1.5/12.8	12874
2000 EP_{39}	2002 09 11.3	23 17.27	−08 50.8	19.7	−0.76	− 3.9	1.2/09.9	2400
2000 FF_{17}	2002 09 11.3	23 17.27	−12 02.2	18.4	−0.68	− 7.3	2.1/08.6	14856
1998 MG_{3}	2002 09 11.3	23 17.29	−10 25.0	18.6	−0.97	− 6.3	2.3/09.5	33769
2001 HW_{56}	2002 09 11.3	23 17.34	−50 03.1	18.5	−1.26	+ 4.9	16.7/27.0	17607
2002 PR_{11}	2002 09 11.3	23 17.49	+02 41.2	17.4	−1.09	+ 3.2	3.5/13.0	33719
4892 P-L	2002 09 11.3	23 17.55	−04 41.1	18.2	−0.69	− 8.2	0.0/11.3	14992
2000 DC_{107}	2002 09 11.3	23 17.59	−16 48.4	18.8	−0.82	− 2.6	3.7/07.6	3524
2001 FC_{21}	2002 09 11.3	23 17.59	−26 19.1	20.4	−0.87	− 6.8	6.4/03.6	14421
2001 BL_{66}	2002 09 11.3	23 17.62	−12 48.6	18.6	−0.85	− 7.6	2.9/08.6	13808
1998 HV_{147}	2002 09 11.3	23 17.65	−52 58.5	19.6	−1.60	+ 8.0	21.2/31.8	4411
2000 FV_{5}	2002 09 11.4	23 17.56	−10 43.0	18.2	−0.93	− 2.9	2.2/09.6	1584
2000 BX_{3}	2002 09 11.4	23 17.57	−05 38.1	17.6	−0.96	− 2.0	0.3/11.1	31895
2000 AW_{204}	2002 09 11.4	23 17.61	+33 57.7	19.0	−0.93	− 5.2	14.5/26.8	18227
1999 XO_{54}	2002 09 11.4	23 17.66	−09 22.2	19.3	−0.91	− 6.3	1.6/09.8	2696
2000 AM_{162}	2002 09 11.4	23 17.68	−19 45.1	18.9	−0.80	− 8.1	4.8/05.8	14390
1998 RZ_{40}	2002 09 11.4	23 17.73	−05 04.4	18.2	−0.90	− 4.2	0.2/11.3	33775
1187 T-2	2002 09 11.4	23 17.76	−04 20.2	18.2	−0.86	− 2.5	0.1/11.5	34058
2000 GS_{46}	2002 09 11.4	23 17.81	−04 16.4	19.0	−0.75	− 4.7	0.1/11.5	430
1998 WK_{14}	2002 09 11.4	23 17.83	−15 22.2	18.7	−0.85	− 4.5	3.9/07.9	31845
2001 FS_{100}	2002 09 11.4	23 17.86	+07 39.5	17.9	−0.80	−12.1	4.7/16.3	33905
2000 FT_{29}	2002 09 11.4	23 17.92	−09 40.8	19.3	−0.75	− 3.6	1.4/09.8	1587
1999 VO_{40}	2002 09 11.5	23 17.92	−13 13.9	18.1	−1.05	− 1.7	4.3/09.1	2681
1999 WV	2002 09 11.5	23 17.92	+06 20.8	18.1	−0.97	− 4.8	5.0/14.9	*40400*
1995 VN_{18}	2002 09 11.5	23 17.96	+04 59.3	19.2	−0.88	− 6.5	3.5/14.7	14106
2001 HT_{62}	2002 09 11.5	23 18.11	−18 35.3	19.6	−0.98	− 4.5	5.1/07.1	17607
2000 GU_{154}	2002 09 11.5	23 18.19	+10 43.6	19.8	−0.68	− 6.6	4.2/17.2	7027
2001 FV_{53}	2002 09 11.5	23 18.21	−04 11.2	19.2	−0.94	− 5.2	0.1/11.7	14422
1999 VP_{166}	2002 09 11.5	23 18.28	+05 15.7	19.4	−0.94	− 6.0	3.8/14.8	25013
2000 CL_{98}	2002 09 11.5	23 18.28	−03 24.8	20.4	−0.84	− 5.3	0.3/11.9	4557
1998 RA_{52}	2002 09 11.5	23 18.30	−11 16.6	18.8	−0.91	− 5.1	2.3/09.4	33776
2002 LF_{35}	2002 09 11.5	23 18.31	+32 18.2	16.6	−1.22	+ 7.6	15.1/20.9	34016
1998 HK_{23}	2002 09 11.5	23 18.32	−11 33.4	18.7	−1.02	− 4.7	3.1/09.5	33766
2001 FT_{98}	2002 09 11.6	23 18.32	−28 44.8	18.2	−1.01	− 2.6	8.7/04.0	14424
2000 EY_{150}	2002 09 11.6	23 18.34	+01 10.9	18.1	−0.76	− 7.9	1.9/13.6	33870
1999 VW_{93}	2002 09 11.6	23 18.39	−10 15.2	18.5	−1.04	− 4.0	2.5/09.9	14151
2001 HL_{45}	2002 09 11.6	23 18.41	−06 41.4	17.3	−0.69	− 8.0	0.8/10.8	33909
2001 DX_{8}	2002 09 11.6	23 18.42	−06 26.7	18.6	−1.52	+ 3.5	0.9/11.3	12293
1998 HW_{50}	2002 09 11.6	23 18.44	−04 45.8	15.8	−0.97	− 1.9	0.1/11.6	13564
1995 UZ_{57}	2002 09 11.6	23 18.46	−04 00.1	20.4	−0.93	− 5.6	0.2/11.8	15575
1998 WD_{2}	2002 09 11.6	23 18.59	+09 35.5	18.4	−0.82	− 3.3	3.8/16.1	33789
1998 SN_{56}	2002 09 11.6	23 18.62	−08 34.2	17.5	−0.96	+ 2.5	2.1/10.7	33045
1995 TY_{7}	2002 09 11.6	23 18.64	−12 58.0	17.6	−0.97	− 0.6	4.3/09.4	33005
1999 VC_{37}	2002 09 11.6	23 18.68	−18 44.6	18.0	−1.01	− 4.4	6.2/07.1	33130
2000 EM_{91}	2002 09 11.6	23 18.69	+15 41.5	19.0	−0.84	− 3.4	5.8/18.4	1576
1999 VH_{90}	2002 09 11.6	23 18.70	−06 44.5	18.7	−0.98	− 6.2	0.9/11.0	33839
2000 EJ_{170}	2002 09 11.6	23 18.70	−22 41.5	17.2	−0.80	− 4.3	6.2/05.4	14406
1994 QL	2002 09 11.6	23 18.77	−63 08.3	17.4	−2.29	+14.6	31.0/23.4	9677
1999 XL_{47}	2002 09 11.7	23 18.63	+05 03.5	18.0	−0.93	− 6.1	3.6/14.8	14380
2001 KX_{28}	2002 09 11.7	23 18.64	−11 53.9	19.5	−0.90	− 3.0	2.4/09.5	18318
1999 TP_{242}	2002 09 11.7	23 18.67	−18 18.1	18.5	−0.96	− 6.5	6.0/07.0	33833
2001 FZ_{50}	2002 09 11.7	23 18.72	−04 01.9	18.2	−0.94	− 4.9	9.1/02.0	33903
2001 FE_{40}	2002 09 11.7	23 18.72	−04 04.3	19.6	−0.91	− 6.9	9.5/02.0	12004
2000 FE_{31}	2002 09 11.7	23 18.87	−17 55.8	18.5	−0.79	− 6.2	4.1/07.0	2762
2000 DC_{83}	2002 09 11.7	23 18.90	−11 20.1	18.4	−0.89	− 5.8	2.6/09.5	31901
1999 VL_{112}	2002 09 11.7	23 18.92	−12 39.6	17.9	−0.99	− 5.4	3.6/09.2	*40399*
2000 AZ_{124}	2002 09 11.7	23 19.03	−07 52.0	17.8	−0.79	− 8.8	1.2/10.5	31891
1992 RW_{3}	2002 09 11.7	23 19.03	−03 09.1	18.4	−0.78	− 4.9	0.4/12.2	33753
1998 SQ_{24}	2002 09 11.7	23 19.05	−13 09.8	18.1	−0.96	− 3.5	3.4/09.1	33778
2001 HP_{15}	2002 09 11.7	23 19.08	−07 21.5	18.4	−0.93	− 5.1	1.2/10.9	33908
2001 FB_{169}	2002 09 11.8	23 19.01	−25 59.4	18.4	−0.91	− 3.5	6.9/04.9	20838
1998 VX_{26}	2002 09 11.8	23 19.01	−00 48.3	18.1	−0.87	− 4.0	1.3/12.9	31843
1996 BB_{5}	2002 09 11.8	23 19.03	−08 49.7	17.9	−0.93	− 2.2	1.7/10.5	33758
1996 BE_{12}	2002 09 11.8	23 19.06	−12 24.9	18.9	−0.88	− 5.8	3.0/09.2	16734
1999 VN_{222}	2002 09 11.8	23 19.23	−07 34.8	20.5	−0.93	− 6.4	1.2/10.8	17092
2001 GK_{5}	2002 09 11.8	23 19.25	−16 08.2	18.7	−0.93	− 7.0	4.4/07.9	17598
1999 XN_{56}	2002 09 11.8	23 19.26	−08 29.0	17.6	−0.80	− 5.3	2.1/10.5	33845
2000 AH_{17}	2002 09 11.8	23 19.26	+04 45.6	19.1	−0.93	− 4.8	3.4/14.7	26926
1998 HK_{2}	2002 09 11.8	23 19.37	−07 45.5	21.4	−0.95	− 7.7	1.4/10.8	12865
2000 EK_{84}	2002 09 11.8	23 19.40	−09 06.8	18.2	−0.77	− 4.7	1.4/10.3	33869
2000 AA_{199}	2002 09 11.9	23 19.37	−00 22.3	19.0	−0.75	− 7.4	1.2/13.3	14193
1999 CZ_{9}	2002 09 11.9	23 19.51	+12 46.0	17.4	−0.79	− 4.4	6.8/17.7	33066
2000 EV_{28}	2002 09 11.9	23 19.56	−22 12.8	19.6	−0.81	− 4.0	5.5/05.9	33868
2000 EM_{62}	2002 09 11.9	23 19.56	−07 02.4	18.7	−0.79	− 4.5	0.8/11.1	9323
2000 FA_{38}	2002 09 11.9	23 19.60	−14 24.0	19.8	−0.90	− 5.6	3.2/08.6	*40246*
2000 FC_{46}	2002 09 11.9	23 19.62	−19 11.9	17.0	−0.75	− 4.4	4.7/06.9	33872
1999 XM_{119}	2002 09 11.9	23 19.63	+02 45.7	17.5	−0.97	− 3.2	3.5/14.1	33848
2000 CC_{50}	2002 09 11.9	23 19.64	+06 17.8	18.6	−0.76	− 3.6	2.8/15.5	706
2000 CD_{28}	2002 09 11.9	23 19.69	−08 24.7	18.3	−0.81	− 8.3	1.4/10.5	33861
2000 DD_{98}	2002 09 11.9	23 19.70	−06 42.5	18.6	−1.10	0.0	0.9/11.4	33867

2000 DB_{68}	2002 09 11.9	23 19.71	−06 55.3	18.5	−0.77	− 6.9	0.9/11.1	33866
1999 YF_{13}	2002 09 11.9	23 19.72	−17 04.8	18.4	−0.92	− 6.6	4.7/07.7	33852
2001 KK_{20}	2002 09 11.9	23 19.75	−04 29.1	19.8	−0.86	− 5.0	8.6/02.0	15101
1998 ST_{53}	2002 09 11.9	23 19.79	−00 41.0	17.3	−1.00	− 1.6	1.6/13.0	33778
1981 EJ_{13}	2002 09 12.0	23 19.71	+02 56.7	18.3	−0.97	− 3.1	2.7/14.1	33750
2002 NO_{32}	2002 09 12.0	23 19.72	+16 43.3	17.7	−0.86	− 2.8	8.7/19.0	33674
2001 KY_{13}	2002 09 12.0	23 19.73	−09 41.6	19.5	−0.89	− 5.4	1.9/10.3	27767
1998 QB_{8}	2002 09 12.0	23 19.78	+04 28.3	17.5	−0.81	− 7.6	3.8/15.1	33770
2001 FV_{22}	2002 09 12.0	23 19.81	+03 18.6	19.0	−0.76	−10.0	2.5/14.9	13826
2000 CC_{53}	2002 09 12.0	23 19.83	+05 13.6	18.1	−1.02	− 1.1	3.5/14.6	27660
1997 GJ_{22}	2002 09 12.0	23 19.85	+02 17.4	19.6	−0.84	− 6.8	2.3/14.3	13552
2001 KF_{12}	2002 09 12.0	23 19.97	+20 26.9	17.5	−0.66	− 6.8	8.9/22.1	33417
2000 GE_{103}	2002 09 12.0	23 19.98	−03 41.3	19.9	−0.67	− 5.8	0.2/12.3	26953
1995 SM_{22}	2002 09 12.0	23 20.09	−09 18.0	20.5	−0.95	− 5.4	1.7/10.5	13543
1999 UT_{10}	2002 09 12.0	23 20.11	−19 39.9	17.5	−1.39	+ 1.9	6.3/08.5	33120
1999 CJ_{91}	2002 09 12.1	23 20.11	+05 55.1	17.1	−0.96	+ 0.8	3.5/14.8	33069
1994 AK_{5}	2002 09 12.1	23 20.12	−07 54.8	20.0	−0.72	− 4.8	1.0/10.9	1888
1993 TB_{19}	2002 09 12.1	23 20.14	−09 50.7	18.9	−0.82	− 4.5	2.2/10.3	14347
1999 UZ_{6}	2002 09 12.1	23 20.15	−18 17.4	17.5	−0.78	− 6.3	7.2/07.0	33120
2001 FL_{32}	2002 09 12.1	23 20.17	−07 21.6	19.7	−0.82	− 7.3	1.0/11.1	13828
2000 GT_{5}	2002 09 12.1	23 20.19	−00 37.5	19.0	−0.68	− 5.3	1.0/13.4	33872
2001 HE_{28}	2002 09 12.1	23 20.21	−08 11.7	18.8	−0.78	− 4.8	1.3/10.8	14276
2001 BA_{44}	2002 09 12.1	23 20.28	−13 07.1	18.7	−0.87	− 8.3	2.9/09.1	13807
1998 WZ_{26}	2002 09 12.1	23 20.33	−07 56.8	19.6	−0.72	− 4.9	1.0/10.9	10874
1998 UZ_{17}	2002 09 12.1	23 20.35	+15 06.1	18.6	−0.73	− 8.2	8.2/19.5	30287
1998 RB_{74}	2002 09 12.1	23 20.36	+01 26.7	17.7	−0.91	− 3.5	1.9/13.9	33777
1999 UP_{48}	2002 09 12.1	23 20.38	−18 55.2	18.8	−1.00	+ 0.3	7.8/08.2	33126
2000 GS_{94}	2002 09 12.2	23 20.53	−12 56.6	18.4	−0.68	− 7.1	2.5/09.0	33874
1999 XH_{93}	2002 09 12.2	23 20.56	−14 06.1	18.1	−0.95	− 7.5	3.9/08.9	33160
2000 HS_{77}	2002 09 12.2	23 20.57	+00 13.9	17.9	−0.79	− 2.8	1.3/13.6	33876
1998 SS_{133}	2002 09 12.2	23 20.58	−06 52.6	18.1	−0.88	− 4.2	0.9/11.4	33783
2001 ER_{13}	2002 09 12.2	23 20.59	−06 16.7	16.8	−1.07	− 0.7	1.0/11.7	11946
1995 KM	2002 09 12.2	23 20.59	+08 11.5	18.1	−0.72	− 6.5	3.9/16.7	33757
2001 AW_{1}	2002 09 12.2	23 20.66	+02 26.3	19.1	−1.32	− 0.2	2.2/13.8	13803
2000 GS_{171}	2002 09 12.2	23 20.71	+00 18.3	19.8	−0.71	− 5.1	1.2/13.8	3573
2000 AT_{162}	2002 09 12.2	23 20.72	−09 20.0	18.3	−0.76	− 7.6	1.6/10.4	33858
2000 DS_{34}	2002 09 12.2	23 20.85	−08 16.0	18.6	−0.77	− 7.4	1.4/10.9	33865
2000 ES_{80}	2002 09 12.3	23 20.82	−08 12.4	20.5	−0.90	− 4.2	1.2/11.1	3534
1998 XD_{68}	2002 09 12.3	23 20.87	−33 09.3	17.8	−0.92	− 1.5	11.3/02.4	14370
1999 TG_{179}	2002 09 12.3	23 20.90	−01 59.7	19.9	−0.99	− 5.4	0.8/13.0	33832
2000 AU_{78}	2002 09 12.3	23 21.05	−07 18.7	18.9	−0.89	− 6.4	1.0/11.3	*38873*
2001 HN_{46}	2002 09 12.3	23 21.06	−03 17.8	18.7	−0.94	− 5.2	0.3/12.6	19934
2001 BN_{77}	2002 09 12.3	23 21.07	−14 53.3	18.3	−1.00	− 3.0	4.2/09.2	33894
2000 HE_{59}	2002 09 12.3	23 21.09	+15 12.0	18.0	−0.69	− 6.1	5.4/19.6	33875
2001 GX_{2}	2002 09 12.3	23 21.20	−34 55.7	17.9	−0.83	−10.7	10.5/30.4	14427
1998 QA_{60}	2002 09 12.3	23 21.20	−05 29.2	19.7	−0.83	− 8.0	0.5/11.9	22051
2000 CJ_{54}	2002 09 12.4	23 21.15	−03 47.0	19.0	−0.87	− 6.4	0.1/12.5	2737
2001 HB_{27}	2002 09 12.4	23 21.19	+06 20.2	20.3	−0.75	− 8.6	3.2/16.3	15098
1998 HK_{93}	2002 09 12.4	23 21.22	+03 13.2	19.1	−0.93	− 6.8	3.2/14.9	33767
2000 AM_{38}	2002 09 12.4	23 21.22	+00 50.7	17.2	−0.92	− 3.4	2.4/13.9	33179
2000 CA_{91}	2002 09 12.4	23 21.23	−05 02.7	19.7	−0.80	− 5.6	0.3/12.1	2740
1999 XN_{205}	2002 09 12.4	23 21.31	+00 36.3	17.6	−0.91	− 2.7	1.5/13.9	*40425*
2001 HJ_{18}	2002 09 12.4	23 21.34	−29 44.5	19.8	−0.76	− 7.4	6.8/02.7	14430
1999 VH_{68}	2002 09 12.4	23 21.47	−09 20.6	19.8	−0.93	− 5.7	1.8/10.8	12991
2000 GV_{124}	2002 09 12.4	23 21.49	−31 55.5	17.9	−0.84	− 3.5	7.4/02.4	1613
2002 OH_{3}	2002 09 12.4	23 21.50	+08 02.6	17.5	−0.72	− 5.7	3.9/16.8	33698
1992 EV_{31}	2002 09 12.4	23 21.50	−08 40.5	18.9	−0.78	−13.7	1.3/10.7	15563
2000 EG_{13}	2002 09 12.4	23 21.53	−29 59.0	18.2	−0.73	− 7.0	7.2/02.3	14401
3118 T-1	2002 09 12.4	23 21.55	−05 57.5	18.4	−1.04	− 1.7	0.7/12.0	30772
2000 CZ_{50}	2002 09 12.4	23 21.57	−07 05.2	18.1	−0.73	−10.4	1.0/11.4	*40451*
1999 TB_{313}	2002 09 12.4	23 21.59	−04 31.7	19.5	−0.91	− 7.2	0.2/12.4	14792
2001 KV_{11}	2002 09 12.5	23 21.50	−08 07.3	19.1	−0.84	− 6.2	1.3/11.2	14935
1991 GY_{5}	2002 09 12.5	23 21.54	+02 06.1	19.1	−0.92	− 8.3	2.3/14.6	33752
2001 FH_{100}	2002 09 12.5	23 21.58	+08 16.7	18.9	−0.93	− 5.2	4.2/17.0	13839
3077 P-L	2002 09 12.5	23 21.58	−03 20.6	17.2	−1.07	0.0	0.3/12.7	34057
2000 BE_{9}	2002 09 12.5	23 21.66	−06 30.9	19.8	−0.81	− 6.3	0.8/11.7	17147
1998 RE_{50}	2002 09 12.5	23 21.72	−08 13.8	18.0	−0.85	− 6.8	1.5/11.2	30279
2000 AH_{150}	2002 09 12.5	23 21.74	+00 13.8	18.0	−0.78	−10.2	1.8/14.2	33190
1998 WN_{20}	2002 09 12.5	23 21.79	+00 48.5	17.9	−0.74	− 5.6	1.4/14.3	33789
2000 GB_{174}	2002 09 12.5	23 21.87	−01 19.3	17.9	−0.87	− 1.8	1.0/13.4	33875
2001 EV_{10}	2002 09 12.5	23 21.87	−07 45.0	19.9	−0.94	− 5.7	1.3/11.4	13269
2001 DY_{2}	2002 09 12.5	23 21.88	+05 18.8	18.2	−1.61	+ 5.1	4.5/14.2	13812
1998 WD_{14}	2002 09 12.5	23 21.88	+01 02.1	18.8	−0.80	− 5.5	1.7/14.3	20709
2000 BK_{3}	2002 09 12.6	23 21.87	−03 21.7	17.7	−0.99	− 1.2	0.3/12.8	33860
1999 VK_{151}	2002 09 12.6	23 21.89	−16 49.3	19.3	−1.02	− 3.2	5.2/08.9	14377
2000 EN_{123}	2002 09 12.6	23 21.92	−08 04.4	18.5	−0.77	− 5.6	1.3/11.3	23519
2000 DA_{94}	2002 09 12.6	23 21.98	−06 45.1	18.6	−0.86	− 4.3	0.9/11.8	31901
2001 KQ_{54}	2002 09 12.6	23 22.05	−04 55.2	18.7	−0.86	− 4.3	0.3/12.4	25372
1996 BV_{15}	2002 09 12.6	23 22.08	+14 24.3	18.5	−0.95	− 2.0	7.8/18.5	33007
2001 FM_{95}	2002 09 12.6	23 22.09	−15 33.7	20.3	−0.98	− 4.0	4.0/09.2	14424
1997 WE_{36}	2002 09 12.6	23 22.10	−12 34.6	18.0	−0.76	− 3.7	2.7/09.9	33763
2000 GB_{169}	2002 09 12.6	23 22.13	−35 47.7	18.9	−0.93	− 1.7	9.1/01.4	2501
1998 SO_{23}	2002 09 12.6	23 22.16	−08 16.3	18.1	−0.69	−11.4	1.7/11.0	33042
2001 FO_{57}	2002 09 12.6	23 22.20	−10 43.5	19.4	−0.94	− 5.7	2.3/10.5	14422
2000 ES_{174}	2002 09 12.6	23 22.21	+03 08.4	18.6	−0.80	− 3.1	2.2/15.0	33871
2001 LW_{15}	2002 09 12.6	23 22.23	−19 15.1	19.5	−0.73	− 6.3	4.7/07.2	33421
1998 TZ_{17}	2002 09 12.6	23 22.24	−00 59.7	16.4	−0.96	− 1.8	1.0/13.6	33785
1999 XB_{172}	2002 09 12.6	23 22.24	−19 02.2	17.3	−0.93	− 2.8	7.0/08.0	33849
1999 WM_{4}	2002 09 12.6	23 22.24	+05 18.4	17.7	−0.98	− 4.5	3.9/15.6	*40401*
2000 EK_{35}	2002 09 12.6	23 22.25	−12 13.6	19.0	−0.84	− 4.4	2.7/10.1	17187
1998 SR_{129}	2002 09 12.7	23 22.23	−09 09.7	18.6	−0.87	− 4.7	1.8/11.1	31835
1998 SV_{135}	2002 09 12.7	23 22.26	−22 33.6	17.8	−1.07	+ 1.4	8.0/08.1	33783
1998 TR_{28}	2002 09 12.7	23 22.33	−01 12.7	17.5	−0.82	− 5.4	1.1/13.7	31838
2000 CN_{53}	2002 09 12.7	23 22.40	−02 52.0	17.2	−0.77	− 4.9	0.4/13.1	33862
2001 FM_{90}	2002 09 12.7	23 22.40	−06 45.8	20.7	−0.96	− 5.3	1.0/11.9	13327
2001 FS_{21}	2002 09 12.7	23 22.46	−13 54.6	18.9	−0.88	− 6.2	3.5/09.5	14421
1997 KE	2002 09 12.7	23 22.53	−15 42.6	17.6	−0.68	−12.3	4.7/08.0	33761
2000 AO_{179}	2002 09 12.7	23 22.54	−16 17.5	18.2	−0.80	− 8.6	3.9/08.3	33858
2000 FS_{31}	2002 09 12.7	23 22.54	−20 44.9	18.6	−0.93	− 3.6	5.1/07.4	744
2001 FK_{42}	2002 09 12.7	23 22.55	−02 42.0	19.4	−0.91	− 6.6	0.5/13.2	33902
1999 NH	2002 09 12.7	23 22.58	+36 03.8	19.1	−1.43	+ 4.4	19.2/24.5	33814
2000 DX_{83}	2002 09 12.7	23 22.61	−15 04.3	18.5	−0.80	− 5.7	4.2/09.0	25771

2000 AV_{173}	2002 09 12.7	23 22.61	+07 32.9	17.9	−0.76	− 9.3	5.4/17.0	13127
1999 XN_{3}	2002 09 12.7	23 22.63	−21 19.5	18.3	−0.96	− 5.0	6.0/07.2	33842
1999 XL_{135}	2002 09 12.8	23 22.64	−18 50.4	17.9	−0.82	− 7.4	7.0/07.4	33165
2000 AB_{227}	2002 09 12.8	23 22.77	−05 23.0	18.5	−0.79	− 6.3	0.5/12.4	15058
1999 XB_{173}	2002 09 12.8	23 22.78	−14 21.7	16.7	−0.92	− 3.4	5.2/09.6	33849
1999 BE_{15}	2002 09 12.8	23 22.82	−15 04.3	16.9	−0.67	−12.1	4.8/08.2	33066
2000 AP_{229}	2002 09 12.8	23 22.83	−20 53.3	19.3	−0.86	− 4.3	5.2/07.3	13133
2000 AQ_{7}	2002 09 12.8	23 22.85	+03 45.9	18.4	−0.93	− 3.9	2.7/15.3	30344
1998 SE_{164}	2002 09 12.8	23 22.85	−27 14.5	16.7	−1.05	+ 1.1	9.5/06.7	31837
2000 AO_{227}	2002 09 12.8	23 22.86	−01 27.4	18.5	−0.83	− 4.2	0.8/13.7	*40443*
2000 DS_{40}	2002 09 12.8	23 22.90	−02 15.2	19.6	−0.81	− 5.4	0.6/13.5	14827
2000 HY_{10}	2002 09 12.8	23 22.90	−04 29.6	19.6	−0.70	− 4.6	0.1/12.7	16072
2000 DZ_{53}	2002 09 12.8	23 22.96	−00 59.8	18.0	−0.84	− 4.8	1.1/13.9	31900
1995 VO_{8}	2002 09 12.8	23 22.98	−16 13.8	19.7	−0.97	− 3.9	4.8/09.2	12850
2001 FX_{135}	2002 09 12.8	23 23.02	+04 31.7	18.2	−1.01	− 0.9	3.0/15.3	33401
2000 AC_{243}	2002 09 12.9	23 22.98	+02 55.1	18.8	−0.76	− 6.3	1.9/15.3	703
2000 AP_{62}	2002 09 12.9	23 23.00	−24 06.1	17.5	−0.77	− 8.5	7.0/05.2	33854
2002 LG_{35}	2002 09 12.9	23 23.03	+09 35.7	16.9	−0.78	− 4.1	4.2/17.5	33615
1999 WT_{3}	2002 09 12.9	23 23.06	+07 20.1	17.5	−0.96	− 5.0	4.7/16.5	14154
1997 NX	2002 09 12.9	23 23.10	−10 03.0	19.1	−0.72	−11.2	2.1/10.6	33762
1985 QJ_{5}	2002 09 12.9	23 23.15	−05 55.6	16.5	−0.91	+ 0.2	0.7/12.4	1405
2000 FH_{28}	2002 09 12.9	23 23.15	+06 26.9	17.8	−0.71	− 7.8	3.2/16.8	33227
2001 CA_{46}	2002 09 12.9	23 23.17	−28 01.6	20.1	−0.93	− 9.8	7.7/03.9	14419
1998 SL_{10}	2002 09 12.9	23 23.18	+11 05.9	18.7	−0.76	− 7.5	4.7/18.4	31829
2001 FJ_{135}	2002 09 12.9	23 23.21	+25 07.5	18.4	−0.94	−12.7	12.1/25.2	13843
1999 XD_{184}	2002 09 12.9	23 23.25	−13 58.0	19.3	−1.02	− 3.3	3.5/10.0	17108
2001 KG_{55}	2002 09 12.9	23 23.26	−11 08.9	18.7	−0.78	− 6.8	2.3/10.5	15102
2001 KO_{31}	2002 09 12.9	23 23.26	+04 51.1	19.1	−0.76	− 7.4	2.8/16.1	14444
2000 DK_{115}	2002 09 12.9	23 23.28	−00 24.4	20.3	−0.85	− 7.2	1.2/14.2	20753
1999 WU_{14}	2002 09 12.9	23 23.35	−07 46.2	21.0	−0.94	− 5.7	1.4/11.8	*37853*
1998 WS_{10}	2002 09 12.9	23 23.38	−08 59.2	17.3	−0.88	− 4.6	2.0/11.4	33789
1999 XH_{80}	2002 09 13.0	23 23.31	−02 18.5	19.4	−0.91	− 6.0	0.6/13.5	13048
1999 XC_{235}	2002 09 13.0	23 23.33	−09 29.2	18.7	−0.92	− 7.7	2.1/11.1	13640
2001 HU_{29}	2002 09 13.0	23 23.33	−08 25.1	19.2	−0.84	− 5.0	1.4/11.6	14431
2001 FT_{76}	2002 09 13.0	23 23.35	−06 49.8	20.5	−0.89	− 7.6	1.0/12.0	13836
1998 UZ_{7}	2002 09 13.0	23 23.39	+09 32.9	18.6	−0.76	−10.0	5.2/18.1	33786
2001 FO_{160}	2002 09 13.0	23 23.42	−23 07.6	18.9	−0.81	− 7.6	5.8/06.0	33907
2000 EX_{10}	2002 09 13.0	23 23.42	−07 19.6	18.3	−0.81	− 4.4	1.2/11.9	33867
1998 RW_{77}	2002 09 13.0	23 23.43	−02 40.7	19.0	−0.68	−13.8	0.5/13.5	33040
2001 FH_{36}	2002 09 13.0	23 23.45	−01 18.5	19.3	−0.91	− 6.1	1.0/13.9	11999
2000 EH_{97}	2002 09 13.0	23 23.47	−01 29.8	18.5	−0.77	− 2.6	0.7/13.8	33224
2000 EC_{105}	2002 09 13.0	23 23.49	−23 00.9	17.2	−0.81	− 2.9	5.9/06.7	33869
1998 QL_{83}	2002 09 13.0	23 23.50	+07 30.6	18.4	−0.84	− 7.2	4.6/17.1	30275
2000 AU_{13}	2002 09 13.0	23 23.60	−24 27.3	20.7	−0.90	− 4.8	5.9/06.1	18224
1998 SW_{129}	2002 09 13.0	23 23.60	−16 14.1	17.8	−0.98	− 2.1	4.0/09.4	33783
1998 YR_{29}	2002 09 13.0	23 23.64	−07 49.0	18.6	−0.83	− 1.8	1.1/11.9	33792
1999 VY_{5}	2002 09 13.0	23 23.69	−21 36.9	18.2	−1.02	− 4.4	7.9/07.3	13618
2000 EC_{10}	2002 09 13.1	23 23.65	−02 28.6	19.4	−0.80	− 5.4	0.5/13.6	9321
1998 LU_{1}	2002 09 13.1	23 23.67	−10 53.4	19.6	−0.92	− 6.1	3.0/10.9	19339
2000 CL_{68}	2002 09 13.1	23 23.69	−01 40.0	18.8	−0.82	− 4.9	0.8/13.8	25016
2001 KF_{20}	2002 09 13.1	23 23.74	−17 07.0	18.9	−0.77	− 5.5	4.1/08.6	16096
1997 AN_{23}	2002 09 13.1	23 23.76	+01 27.3	17.8	−1.01	− 4.4	2.3/14.7	33760
1998 VZ_{17}	2002 09 13.1	23 23.77	−08 09.2	18.4	−0.93	− 3.4	1.8/11.8	31842
1998 SG_{54}	2002 09 13.1	23 23.90	−07 03.0	18.0	−1.09	+ 0.8	1.3/12.4	14766
2001 EH_{15}	2002 09 13.1	23 23.90	−08 14.0	19.9	−1.05	− 1.0	1.7/12.0	13272
2000 CE_{94}	2002 09 13.1	23 23.91	−06 08.2	19.2	−0.74	− 8.6	0.7/12.3	2368
2001 KJ_{16}	2002 09 13.1	23 24.00	−21 26.4	18.4	−0.77	− 4.8	5.7/07.1	33911
2000 EU_{88}	2002 09 13.1	23 24.02	−15 37.4	18.9	−0.82	− 5.7	4.1/09.2	26939
2001 FW_{42}	2002 09 13.1	23 24.07	−03 31.7	19.5	−0.90	− 7.8	0.1/13.3	17578
2000 EP_{12}	2002 09 13.1	23 24.08	−15 25.6	18.6	−0.83	− 2.7	3.5/09.6	33867
1987 AD	2002 09 13.2	23 24.03	+50 15.0	18.0	−1.27	+ 5.4	20.9/03.2	33751
1995 WY_{15}	2002 09 13.2	23 24.17	+00 52.6	19.4	−0.89	− 6.7	1.6/14.8	15021
2000 CK_{48}	2002 09 13.2	23 24.22	+06 18.1	19.2	−0.80	− 4.8	2.9/16.6	706
1998 RX_{13}	2002 09 13.2	23 24.24	−02 22.6	19.7	−0.79	− 8.7	0.4/13.8	12883
2000 AC_{18}	2002 09 13.2	23 24.26	+05 49.5	17.8	−0.93	− 4.8	3.5/16.3	33853
2001 HF_{58}	2002 09 13.2	23 24.26	−10 46.4	18.4	−0.77	−10.1	2.4/10.7	16095
2000 EJ_{150}	2002 09 13.2	23 24.26	+02 24.8	17.6	−0.82	− 5.5	2.3/15.3	31904
1998 SZ_{110}	2002 09 13.2	23 24.29	−00 40.8	18.2	−0.82	− 5.1	1.4/14.3	33782
1999 XZ_{136}	2002 09 13.2	23 24.32	−16 03.3	18.4	−0.92	− 7.9	5.3/09.0	33848
2001 EZ_{17}	2002 09 13.2	23 24.34	−17 26.8	19.2	−0.84	− 5.6	4.5/08.7	13822
1997 GO_{19}	2002 09 13.2	23 24.35	−02 00.6	19.1	−0.92	− 5.5	0.7/13.9	33761
1997 TX_{23}	2002 09 13.3	23 24.40	−02 49.0	18.6	−0.75	− 4.9	0.4/13.6	*35702*
2000 CF_{37}	2002 09 13.3	23 24.42	−01 38.1	17.9	−0.77	− 4.0	0.6/14.0	*40450*
2001 CJ	2002 09 13.3	23 24.42	−35 52.4	17.8	−0.76	−21.6	14.1/28.0	33365
1999 VD_{172}	2002 09 13.3	23 24.45	−03 19.1	17.0	−0.94	− 4.5	0.2/13.5	16043
2001 FO_{82}	2002 09 13.3	23 24.51	−10 15.2	19.1	−0.84	− 7.7	2.3/11.1	13837
2001 EF_{21}	2002 09 13.3	23 24.62	+02 23.9	19.4	−0.89	− 9.8	2.3/15.6	13822
1998 RV_{72}	2002 09 13.3	23 24.68	−06 16.6	18.0	−0.91	− 3.8	1.1/12.6	31827
2001 FF_{111}	2002 09 13.3	23 24.72	−02 11.2	17.8	−0.78	− 9.8	0.7/14.0	19929
2000 EY_{119}	2002 09 13.3	23 24.75	−12 28.7	19.4	−0.96	− 3.3	2.9/10.8	30352
2001 FD_{47}	2002 09 13.3	23 24.77	−02 08.3	19.2	−0.88	− 8.7	0.6/14.0	13300
1999 XH_{156}	2002 09 13.3	23 24.81	−05 02.2	19.4	−0.89	− 6.7	0.4/13.0	14169
2001 HH_{40}	2002 09 13.3	23 24.82	−26 56.9	17.6	−0.95	− 3.3	8.5/05.8	33909
1999 AD_{22}	2002 09 13.4	23 24.78	−30 28.5	19.0	−1.00	− 3.5	9.6/03.8	31849
2000 BH_{35}	2002 09 13.4	23 24.88	−06 18.3	18.5	−0.91	− 3.8	0.9/12.7	31896
1998 EO_{4}	2002 09 13.4	23 24.89	−09 00.2	19.2	−0.95	− 8.6	2.2/11.7	16793
2000 CA_{92}	2002 09 13.4	23 24.94	−05 25.6	17.9	−0.81	− 4.6	0.5/12.9	33863
2000 DW_{26}	2002 09 13.4	23 24.96	−08 07.4	18.9	−0.77	− 6.9	1.4/11.9	14826
2591 P-L	2002 09 13.4	23 24.97	−02 23.4	17.7	−0.76	− 7.0	0.5/13.9	*40530*
2000 DF_{100}	2002 09 13.4	23 25.01	−07 14.5	18.1	−0.87	− 1.3	1.1/12.5	14400
1998 RR_{62}	2002 09 13.4	23 25.01	−03 55.3	17.2	−0.45	−11.7	0.1/13.4	33039
2000 EJ_{32}	2002 09 13.4	23 25.10	−08 45.1	19.4	−0.85	− 4.3	1.7/11.9	6269
2001 HB_{2}	2002 09 13.5	23 25.10	+10 39.7	19.5	−0.76	− 8.4	4.6/19.0	14428
1999 YL_{6}	2002 09 13.5	23 25.12	−10 57.2	21.2	−1.05	− 3.9	2.4/11.4	17122
2001 KJ_{42}	2002 09 13.5	23 25.13	−08 56.9	19.0	−0.85	− 8.5	2.0/11.7	25898
2001 EA_{5}	2002 09 13.5	23 25.15	−07 15.6	20.4	−0.99	− 4.9	1.3/12.4	13819
2001 HX_{48}	2002 09 13.5	23 25.23	+18 43.1	18.0	−0.87	− 5.9	7.8/21.8	33909
1998 RW_{2}	2002 09 13.5	23 25.24	−03 37.5	20.6	−0.87	− 5.0	0.1/13.6	1962
2000 AB_{92}	2002 09 13.5	23 25.27	+07 00.8	18.4	−0.80	− 5.0	3.2/17.2	697
2000 CO_{23}	2002 09 13.5	23 25.29	−06 49.3	19.1	−0.80	− 8.4	1.1/12.4	19499
2001 DG_{81}	2002 09 13.5	23 25.35	−17 31.2	18.3	−0.94	− 5.1	5.4/09.1	13816
1999 XG_{111}	2002 09 13.5	23 25.52	−23 36.2	18.4	−0.93	− 2.8	6.1/07.3	33847

1999 XP_{5}	2002 09 13.6	23 25.47	−07 45.1	17.8	−0.89	−	6.4	2.0/12.3	33842
1997 SS_{16}	2002 09 13.6	23 25.48	−01 50.4	18.7	−0.77	−	5.0	0.6/14.2	2628
2000 BC_{2}	2002 09 13.6	23 25.50	−05 32.5	17.8	−0.76	−	8.8	0.7/12.9	31895
2000 FK_{13}	2002 09 13.6	23 25.52	−22 52.5	17.1	−0.71	−	6.0	5.2/06.6	33871
1997 GD_{43}	2002 09 13.6	23 25.60	−01 36.0	19.4	−0.92	−	5.8	0.7/14.3	10840
1998 SZ_{35}	2002 09 13.6	23 25.64	−18 45.6	17.5	−0.93	−	0.7	7.0/09.2	18170
2001 HL_{57}	2002 09 13.6	23 25.66	−19 55.0	17.6	−0.74	−	8.1	5.7/07.6	33910
1998 SO_{8}	2002 09 13.6	23 25.73	+01 17.1	17.6	−0.43	−12.7		2.4/15.9	33041
2001 KN_{37}	2002 09 13.6	23 25.79	−24 17.7	18.7	−0.89	−	4.3	6.4/06.8	15101
1999 AA_{12}	2002 09 13.6	23 25.80	−01 50.7	19.9	−0.74	−	4.7	0.6/14.3	16904
1999 VZ_{121}	2002 09 13.6	23 25.80	−09 35.5	19.1	−0.95	−	5.9	2.3/11.8	12195
2000 HA_{75}	2002 09 13.6	23 25.81	+02 41.7	17.6	−0.66	−	7.9	2.0/16.1	33233
1991 SL	2002 09 13.6	23 25.81	−24 15.2	16.8	−1.70	+	7.9	10.9/10.3	33752
2000 EC_{181}	2002 09 13.6	23 25.82	−20 55.5	18.0	−0.86	−	2.6	5.6/08.2	33871
2001 HS_{50}	2002 09 13.6	23 25.83	+14 12.6	18.3	−0.84	−	6.5	6.4/20.3	33414
2001 DE_{64}	2002 09 13.7	23 25.82	−13 33.9	18.3	−0.76	−12.2		4.0/09.9	33375
6250 P-L	2002 09 13.7	23 25.90	+01 03.1	18.4	−0.90	−	8.1	2.1/15.3	34057
1998 XH_{97}	2002 09 13.7	23 25.92	−16 57.3	18.3	−0.73	−	5.8	3.9/09.0	33791
2001 FY_{62}	2002 09 13.7	23 25.97	−11 13.0	17.8	−0.87	−	8.7	3.1/11.1	13312
1996 EN_{15}	2002 09 13.7	23 25.97	−05 53.4	19.2	−0.79	−	6.8	0.7/13.0	16007
1999 VK_{113}	2002 09 13.7	23 25.99	−19 34.3	18.7	−0.98	−	3.6	6.8/08.8	17078
1998 ST_{26}	2002 09 13.7	23 26.21	+10 51.3	18.4	−0.81	−	2.8	4.5/18.4	33043
2568 P-L	2002 09 13.7	23 26.24	−05 16.9	17.6	−0.84	−	3.9	0.6/13.3	819
1998 RS_{64}	2002 09 13.8	23 26.18	−09 48.6	17.9	−1.05	−	0.8	2.2/12.2	14360
1999 XK_{172}	2002 09 13.8	23 26.22	−03 54.2	16.9	−0.95	−	2.6	0.1/13.7	33849
2001 HH_{6}	2002 09 13.8	23 26.25	+07 26.2	20.2	−0.84	−	6.5	3.7/17.7	14429
1998 TJ_{31}	2002 09 13.8	23 26.27	−10 02.9	18.1	−0.91	−	3.2	2.5/11.9	13582
1993 RR_{8}	2002 09 13.8	23 26.31	−01 00.8	18.3	−0.75	−	7.3	1.0/14.8	149
1999 XW_{169}	2002 09 13.8	23 26.32	−14 12.3	18.2	−0.96	−	4.6	4.0/10.5	33849
1999 XD_{97}	2002 09 13.8	23 26.36	−07 55.1	19.0	−0.97	−	5.2	1.6/12.5	18220
1995 QJ_{4}	2002 09 13.8	23 26.41	+00 22.3	17.2	−1.01	−	1.8	1.9/15.0	12848
2000 KQ_{73}	2002 09 13.8	23 26.50	+05 36.1	19.6	−0.66	−	7.8	2.4/17.3	26966
2001 HS_{64}	2002 09 13.8	23 26.50	−10 36.5	17.7	−0.94	−	1.4	2.7/11.9	33415
2000 BP_{14}	2002 09 13.8	23 26.55	−16 21.5	18.1	−1.02	−	4.0	5.4/09.9	33860
1999 XC_{227}	2002 09 13.8	23 26.56	−02 37.8	20.3	−0.93	−	5.8	0.4/14.2	10942
1998 RP_{20}	2002 09 13.8	23 26.58	+17 42.4	18.4	−0.77	−	5.9	8.8/22.0	*33563*
1999 XW_{61}	2002 09 13.9	23 26.53	−06 47.0	20.2	−1.00	−	5.4	1.2/12.9	14161
1996 DL_{1}	2002 09 13.9	23 26.62	+00 54.5	19.0	−0.91	−	4.4	1.5/15.3	30250
2000 FJ_{28}	2002 09 13.9	23 26.63	−01 58.5	18.4	−0.74	−	3.7	0.4/14.5	31905
2000 AU_{111}	2002 09 13.9	23 26.68	+01 28.3	18.3	−0.86	−	7.7	2.2/15.7	14185
1993 FV_{81}	2002 09 13.9	23 26.76	−15 15.5	17.5	−0.87	−	5.3	4.9/10.1	12843
1994 LS	2002 09 13.9	23 26.80	−30 42.7	18.4	−0.94	−	8.8	8.7/03.7	33755
2000 AO_{201}	2002 09 13.9	23 26.83	+32 12.4	20.6	−0.89	−	2.8	8.6/27.3	20747
1993 TM_{19}	2002 09 13.9	23 26.85	−09 43.3	17.9	−0.84	−	4.3	2.2/12.0	980
1999 CY_{60}	2002 09 13.9	23 26.92	−04 07.7	19.3	−0.72	−	5.6	0.1/13.8	33798
2001 FZ_{144}	2002 09 13.9	23 26.95	−29 29.0	17.3	−0.80	−	6.8	10.4/03.8	14425
1999 XS_{147}	2002 09 14.0	23 26.98	−09 37.1	19.6	−0.94	−	5.4	2.2/12.1	13636
2000 HQ_{24}	2002 09 14.0	23 27.06	−20 36.1	18.9	−0.79	−	2.7	4.3/08.5	33875
1999 XY_{31}	2002 09 14.0	23 27.14	−01 52.6	18.6	−0.90	−	6.4	0.6/14.6	33155
2000 AT_{237}	2002 09 14.0	23 27.18	−03 50.5	17.7	−0.68	−	7.9	0.1/14.0	33860
1999 VE_{139}	2002 09 14.0	23 27.24	−08 46.0	20.4	−0.92	−	6.2	1.8/12.4	17080
2001 KS_{43}	2002 09 14.0	23 27.26	−20 45.2	19.0	−0.76	−	5.8	5.7/08.0	14312
1998 VF_{46}	2002 09 14.1	23 27.27	+17 18.1	18.5	−0.88	−	3.6	6.7/21.0	31844
2000 HO_{58}	2002 09 14.1	23 27.30	+00 35.7	18.1	−0.76	−	7.8	1.4/15.6	33875
2001 DM_{90}	2002 09 14.1	23 27.31	−00 57.6	18.7	−0.75	−	8.9	0.9/15.1	13817
1999 UK_{35}	2002 09 14.1	23 27.37	−02 28.9	19.8	−0.99	−	7.2	0.4/14.5	9233
2001 FA_{48}	2002 09 14.1	23 27.38	−08 05.3	19.8	−0.92	−	5.1	1.6/12.7	13830
1999 YJ_{9}	2002 09 14.1	23 27.54	−07 38.1	18.6	−0.87	−15.1		1.4/12.6	33852
2001 FY_{126}	2002 09 14.1	23 27.58	−08 16.6	20.6	−0.95	−	5.5	1.7/12.7	20838
1998 UV_{7}	2002 09 14.1	23 27.59	−26 43.4	18.6	−1.03	−	1.4	8.6/06.8	33786
2000 AM	2002 09 14.1	23 27.60	+01 14.0	17.7	−0.94	−	5.3	1.7/15.7	33852
1997 CB_{27}	2002 09 14.1	23 27.62	−10 11.5	19.9	−0.96	−	4.2	2.1/12.1	*38041*
2001 KL_{45}	2002 09 14.1	23 27.65	−20 30.3	18.8	−0.75	−	5.5	4.8/08.2	16097
2000 CU_{109}	2002 09 14.1	23 27.68	−03 16.6	20.5	−0.80	−	5.4	0.1/14.3	27660
4213 T-3	2002 09 14.2	23 27.60	−16 19.7	18.0	−0.90	−	4.7	5.9/10.0	34059
2001 FL_{23}	2002 09 14.2	23 27.63	−12 02.8	20.0	−0.98	−	4.9	3.1/11.6	14421
1999 VE_{212}	2002 09 14.2	23 27.66	−03 09.3	19.3	−0.91	−	6.4	0.1/14.3	11677
2000 EA_{91}	2002 09 14.2	23 27.69	+04 05.6	16.9	−0.91	−	1.6	3.0/16.4	33869
2000 FR_{26}	2002 09 14.2	23 27.70	−10 10.5	18.0	−0.89	−	1.7	2.3/12.3	33872
1998 RP_{55}	2002 09 14.2	23 27.70	+03 31.5	17.7	−0.89	−	4.5	2.6/16.4	14360
1999 XW_{250}	2002 09 14.2	23 27.70	−00 30.7	20.3	−0.84	−	4.9	1.0/15.2	17118
2000 GR_{86}	2002 09 14.2	23 27.75	−13 35.4	18.7	−0.91	−	5.5	3.6/10.9	31907
2000 EQ_{154}	2002 09 14.2	23 27.82	−08 37.9	18.8	−0.69	−	5.5	1.3/12.5	736
1998 QK_{29}	2002 09 14.2	23 27.90	+07 09.1	19.1	−0.92	−	4.3	4.3/17.6	33771
1999 XV_{21}	2002 09 14.2	23 27.92	−18 32.2	18.4	−0.86	−10.6		6.1/08.4	33154
1999 AQ_{25}	2002 09 14.2	23 27.93	−05 19.3	19.1	−0.72	−	5.1	0.5/13.6	33793
1999 XT_{175}	2002 09 14.3	23 27.96	−08 18.9	17.6	−0.97	−	3.5	1.7/12.8	33849
2001 HD_{12}	2002 09 14.3	23 28.07	−03 49.6	19.5	−0.88	−	6.5	0.1/14.2	13424
1999 TZ_{2}	2002 09 14.3	23 28.09	−13 15.7	17.4	−0.78	−	6.5	5.2/10.9	33826
1999 XU_{190}	2002 09 14.3	23 28.13	−05 29.5	18.0	−1.00	−	4.3	0.8/13.7	*40424*
2000 CU_{55}	2002 09 14.3	23 28.16	+02 58.1	18.0	−1.04	−	2.6	2.9/16.1	*40452*
1999 UK_{47}	2002 09 14.3	23 28.16	−11 36.9	20.0	−1.03	−	4.4	3.2/11.9	14146
2001 EQ_{17}	2002 09 14.3	23 28.18	−42 23.8	21.0	−1.36	−	0.3	12.7/01.9	13821
1998 QQ_{105}	2002 09 14.3	23 28.19	−13 13.8	18.4	−0.97	−	2.3	4.3/11.4	33773
2000 EN_{57}	2002 09 14.3	23 28.19	−01 04.8	18.6	−0.76	−	8.8	0.7/15.2	*40481*
2000 GG_{88}	2002 09 14.3	23 28.24	+05 07.5	18.5	−0.64	−10.3		2.4/17.7	33230
1999 XK_{130}	2002 09 14.3	23 28.26	−16 51.5	19.0	−0.97	−	4.1	4.4/10.1	*38850*
2000 CZ_{121}	2002 09 14.3	23 28.31	−00 17.6	18.6	−0.87	−	4.0	1.1/15.4	17162
2001 LT_{13}	2002 09 14.3	23 28.37	+08 03.5	17.8	−0.70	−	6.8	3.8/18.6	33912
2000 GP_{157}	2002 09 14.4	23 28.33	+12 21.4	17.9	−1.02	−	1.4	5.9/18.8	31908
1999 WH_{11}	2002 09 14.4	23 28.36	−20 03.8	18.7	−0.95	−	4.5	5.6/09.1	33842
1999 CE_{72}	2002 09 14.4	23 28.46	+06 10.2	18.8	−0.71	−	4.9	2.6/17.7	33799
2000 AZ_{105}	2002 09 14.4	23 28.49	+44 36.3	17.3	−0.87	−	0.9	22.2/07.0	33856
2000 CW_{44}	2002 09 14.4	23 28.49	−01 53.0	20.8	−0.79	−	6.0	0.4/15.0	2350
2001 DO_{71}	2002 09 14.4	23 28.51	−03 13.4	16.4	−0.98	−	1.0	0.1/14.5	33898
1999 XQ_{242}	2002 09 14.4	23 28.51	−20 43.7	18.9	−0.93	−	2.7	5.0/09.1	33851
2000 DY_{2}	2002 09 14.4	23 28.61	−19 08.4	19.1	−0.75	−	5.9	4.7/08.9	22128
2000 FK_{11}	2002 09 14.4	23 28.63	−19 51.3	19.3	−0.74	−	4.3	4.2/08.8	2762
2000 FP_{62}	2002 09 14.4	23 28.67	−08 40.0	18.0	−0.79	−	4.8	1.8/12.7	7019
1999 XO_{62}	2002 09 14.5	23 28.69	−20 50.5	19.3	−0.99	−	3.6	6.8/09.1	33845
2001 HN_{32}	2002 09 14.5	23 28.70	−16 31.0	19.0	−0.94	−	3.2	4.9/10.5	33909
2001 FH	2002 09 14.5	23 28.71	−01 08.4	18.3	−0.89	−	8.0	0.9/15.3	33900

1996 HO_{22}	2002 09 14.5	23 28.72	+05 35.7	19.5	−0.76	−	6.9	2.6/17.7	9044
1999 XF_{20}	2002 09 14.5	23 28.73	−07 08.5	18.9	−0.95	−	6.5	1.3/13.3	15052
2000 GO_{80}	2002 09 14.5	23 28.77	−07 51.0	18.2	−0.91	−	3.2	1.6/13.2	19611
2000 EK_{113}	2002 09 14.5	23 28.80	−00 58.4	19.6	−0.83	−	7.6	0.9/15.4	26941
2002 OK_3	2002 09 14.5	23 28.83	+12 59.7	17.7	−0.86	−	4.5	5.7/20.1	33698
2001 FX_{66}	2002 09 14.5	23 28.86	−10 15.8	19.8	−0.95	−	6.5	2.5/12.3	13834
1998 SC_{67}	2002 09 14.5	23 28.87	−15 33.7	18.5	−0.86	−	4.8	4.8/10.6	27610
2001 HX_{11}	2002 09 14.5	23 28.93	−00 33.2	20.4	−0.93	−	6.1	1.0/15.5	13423
1999 XQ_{30}	2002 09 14.5	23 28.94	−15 16.7	18.7	−0.79	−	9.3	5.4/10.1	33155
2000 GF_{17}	2002 09 14.5	23 29.09	−04 18.7	19.0	−0.76	−	5.5	0.3/14.3	26948
2001 CN_{20}	2002 09 14.6	23 29.05	−10 01.0	18.4	−1.73	+	6.3	3.4/13.6	12287
2000 AH_{168}	2002 09 14.6	23 29.06	−10 59.9	18.6	−0.85	−	7.1	2.6/12.0	14390
1998 BT_{26}	2002 09 14.6	23 29.07	+04 31.4	17.9	−0.84	−	1.4	2.3/16.9	33764
2000 CO_{94}	2002 09 14.6	23 29.09	−05 45.3	18.4	−0.70	−	6.4	0.7/13.8	33864
2000 EE_{139}	2002 09 14.6	23 29.10	−24 04.3	18.7	−0.75	−	4.1	5.2/07.4	2760
2001 FH_7	2002 09 14.6	23 29.13	−15 11.6	18.4	−1.01	−	1.7	5.5/11.2	33901
2001 CQ_{31}	2002 09 14.6	23 29.18	−41 02.6	18.4	−1.06	−11.9		15.8/28.0	12289
1991 RF_{17}	2002 09 14.6	23 29.20	−14 24.9	17.6	−0.99	−	2.0	5.0/11.4	33752
2000 HP_{83}	2002 09 14.6	23 29.21	−36 38.7	19.8	−0.85	−	2.6	8.2/02.6	15082
2001 FJ_{118}	2002 09 14.6	23 29.23	+10 22.2	20.4	−0.88	−	8.8	4.9/19.7	17586
1999 XT_{164}	2002 09 14.6	23 29.25	−09 57.7	20.1	−0.84	−	4.8	1.9/12.5	5676
1999 VL_{183}	2002 09 14.6	23 29.32	−15 23.2	19.0	−1.03	−	4.2	4.5/11.0	13625
1999 LX_{15}	2002 09 14.6	23 29.35	−45 33.1	18.7	−0.90	−12.2		18.9/28.0	17010
2000 AQ_{159}	2002 09 14.6	23 29.46	−02 30.8	19.0	−0.95	−	3.3	0.3/14.9	19484
1998 VW	2002 09 14.6	23 29.48	−27 04.5	18.1	−1.04	−	3.3	8.9/06.5	33787
2000 DO_{15}	2002 09 14.7	23 29.51	−10 05.6	19.0	−0.82	−	7.1	2.2/12.4	31899
2001 FJ_{77}	2002 09 14.7	23 29.52	−07 33.9	18.5	−0.87	−	8.2	1.6/13.3	33904
2000 GN_{10}	2002 09 14.7	23 29.67	−02 56.1	20.0	−0.69	−	6.0	0.1/14.9	33872
2000 GN_{157}	2002 09 14.7	23 29.70	+16 16.7	19.1	−0.93	−	1.4	6.2/20.7	18259
1998 WU_{28}	2002 09 14.7	23 29.82	−05 31.3	19.7	−0.87	−	4.6	0.9/14.1	16874
1999 TT_{166}	2002 09 14.7	23 29.83	+05 52.6	19.0	−0.95	−	7.4	3.3/17.9	33831
1996 HM_2	2002 09 14.8	23 29.77	−06 58.7	18.3	−0.84	−	4.9	1.1/13.6	33759
2001 CS_6	2002 09 14.8	23 29.79	−12 22.8	18.4	−0.95	−	7.5	3.9/11.8	33895
1998 QM_{29}	2002 09 14.8	23 29.79	+01 54.0	19.0	−0.84	−	7.9	1.9/16.6	*38055*
2000 ER_{38}	2002 09 14.8	23 29.83	−01 22.1	18.5	−0.73	−	4.6	0.5/15.5	33868
2000 CC_{92}	2002 09 14.8	23 29.93	−05 49.6	16.6	−0.89	−	3.0	1.0/14.1	31322
2001 FN_{61}	2002 09 14.8	23 29.95	−12 07.7	18.9	−1.05	−	1.9	3.2/12.4	13833
2002 NT_{32}	2002 09 14.8	23 29.95	+11 58.1	17.2	−0.72	−	6.0	5.2/20.4	33674
1999 VW_{158}	2002 09 14.8	23 30.05	−08 23.0	19.1	−1.02	−	4.0	1.9/13.3	14378
2000 DY_{92}	2002 09 14.8	23 30.12	−08 33.7	19.0	−0.84	−	4.9	1.8/13.1	33866
2000 FC_{24}	2002 09 14.8	23 30.12	−22 16.7	19.0	−0.72	−	5.7	5.0/07.9	1586
1999 XK_{90}	2002 09 14.8	23 30.16	+08 40.0	18.0	−0.91	−	4.0	5.4/18.7	33159
1998 YO_7	2002 09 14.9	23 30.20	−24 05.6	18.1	−0.88	−	5.9	8.0/07.2	*35729*
2000 DL_{109}	2002 09 14.9	23 30.27	−07 18.1	17.7	−0.72	−	7.2	2.0/13.5	33219
2000 HQ_{65}	2002 09 14.9	23 30.32	+10 20.0	19.6	−0.67	−	6.5	3.5/19.9	31909
2002 NJ_{33}	2002 09 14.9	23 30.32	+17 40.3	17.5	−0.95	+	0.1	9.3/21.2	33675
2001 FW_{26}	2002 09 14.9	23 30.33	−05 19.8	18.4	−1.09	−	1.9	0.8/14.4	20838
1993 FT_{39}	2002 09 14.9	23 30.46	−06 35.7	19.5	−0.95	−	4.5	1.2/13.9	23422
2000 AN_{53}	2002 09 14.9	23 30.46	−25 42.7	18.2	−0.85	−	6.2	7.5/06.9	33854
1999 XZ_{32}	2002 09 14.9	23 30.53	+12 37.6	18.1	−0.91	−	3.5	5.4/20.0	*40408*
2001 BD_{68}	2002 09 14.9	23 30.63	+13 44.3	17.0	−1.71	+	9.0	9.1/17.4	33362
2000 CA_{49}	2002 09 15.0	23 30.49	−01 35.4	17.9	−0.77	−	7.0	0.5/15.6	33862
1999 XZ_{148}	2002 09 15.0	23 30.54	+01 57.9	19.7	−0.93	−	6.3	1.9/16.7	15651
1999 VO_{203}	2002 09 15.0	23 30.58	+03 45.1	17.5	−1.13	−	0.6	3.4/17.0	33841
1998 RG_{77}	2002 09 15.0	23 30.60	−07 25.0	19.1	−0.80	−	7.9	1.5/13.5	33777
2000 CK_{69}	2002 09 15.0	23 30.73	+12 16.2	18.6	−0.97	−	1.7	5.2/19.6	2738
2001 HR_3	2002 09 15.0	23 30.73	−09 03.8	20.4	−0.99	−	4.3	2.0/13.3	13406
1995 SC_{26}	2002 09 15.0	23 30.74	−02 33.0	19.6	−0.95	−	5.5	0.2/15.3	33757
2000 CZ_{24}	2002 09 15.0	23 30.78	+06 23.7	17.7	−0.91	−	4.2	4.5/18.0	33202
2001 FO_{123}	2002 09 15.0	23 30.80	−03 22.0	18.0	−0.81	−	6.5	0.1/15.0	30454
2001 HA_{61}	2002 09 15.0	23 30.82	−26 51.4	18.6	−0.87	−	6.5	7.9/06.4	15099
2001 FU_{77}	2002 09 15.0	23 30.83	−10 13.1	20.3	−0.90	−	6.0	2.2/12.8	13836
2001 FD_{29}	2002 09 15.0	23 30.85	+04 38.8	18.3	−0.74	−	9.0	2.4/18.0	33902
1999 VF_{67}	2002 09 15.0	23 30.88	−00 50.1	18.6	−0.89	−	7.0	1.1/15.9	12192
2000 AQ_{161}	2002 09 15.0	23 30.88	−04 06.0	17.2	−1.16	+	0.7	0.4/14.9	17138
2000 CL_{45}	2002 09 15.0	23 30.91	+15 23.0	18.1	−0.91	−	2.6	6.4/21.0	33862
2000 AZ_{116}	2002 09 15.1	23 30.83	−16 50.9	18.4	−0.86	−	9.8	4.7/10.0	*39575*
2000 GS_7	2002 09 15.1	23 30.95	−28 05.1	17.6	−0.99	−	3.4	8.0/06.5	3932
2000 AU_{47}	2002 09 15.1	23 31.07	−20 07.6	18.5	−0.79	−	8.3	5.4/08.8	15055
1999 XS_{99}	2002 09 15.1	23 31.12	−14 31.8	18.0	−1.01	−	4.1	5.3/11.6	1553
1999 XU_{16}	2002 09 15.1	23 31.18	+14 52.4	18.0	−0.73	−	6.0	9.3/22.1	33153
1996 CX_5	2002 09 15.2	23 31.26	+09 41.3	19.8	−0.93	−	2.9	4.1/19.2	14745
2001 DE_{99}	2002 09 15.2	23 31.27	−04 46.1	18.5	−1.05	−	3.5	0.7/14.7	13818
2001 FC_{80}	2002 09 15.2	23 31.28	+10 05.2	18.9	−0.86	−	6.4	4.7/19.8	29691
1021 T-2	2002 09 15.2	23 31.29	−01 37.8	17.9	−0.80	−	7.4	0.7/15.7	12343
1999 AO_{37}	2002 09 15.2	23 31.32	+19 12.3	18.2	−0.90	−	3.6	7.2/22.5	33793
2000 CD_2	2002 09 15.2	23 31.34	−10 45.5	19.5	−0.88	−	5.7	2.5/12.7	7520
2000 CP_8	2002 09 15.2	23 31.40	−05 57.6	19.2	−0.85	−	6.6	1.0/14.3	14394
2001 FE_{175}	2002 09 15.2	23 31.42	−07 30.3	18.9	−0.74	−	8.2	1.5/13.6	33404
2001 FE_{21}	2002 09 15.2	23 31.42	−19 57.5	18.7	−0.81	−	4.7	5.7/09.6	33385
2000 FV_{21}	2002 09 15.2	23 31.42	−21 33.2	18.8	−0.79	−	4.9	5.5/08.8	741
2000 FO_{36}	2002 09 15.2	23 31.42	−03 48.3	17.4	−0.70	−	7.9	0.2/15.0	746
2001 FW_{72}	2002 09 15.2	23 31.44	−12 32.1	19.1	−1.02	−	5.2	3.7/12.3	13835
2001 MS_5	2002 09 15.2	23 31.50	−13 54.5	18.7	−0.78	−	8.3	3.3/11.3	14953
2001 DW_{33}	2002 09 15.2	23 31.52	−08 27.6	19.3	−0.96	−	4.8	1.9/13.6	13814
2000 AO_{96}	2002 09 15.2	23 31.56	+05 33.5	15.9	−1.03	+	1.2	3.7/17.5	33855
1998 SP_{114}	2002 09 15.2	23 31.57	−11 53.0	18.1	−0.87	−	2.3	4.2/12.7	33051
2000 AX_{161}	2002 09 15.2	23 31.57	−02 14.0	19.7	−0.90	−	5.9	0.3/15.6	2721
1998 RH_{47}	2002 09 15.2	23 31.58	+05 56.5	18.3	−0.85	−	6.2	3.8/18.4	33775
1981 EB_{36}	2002 09 15.2	23 31.58	−03 50.7	19.0	−0.93	−	5.1	0.3/15.0	33750
2000 CF_{61}	2002 09 15.2	23 31.62	+08 59.4	17.5	−0.84	−	2.9	3.8/19.1	*40453*
2001 KM_{10}	2002 09 15.3	23 31.60	−27 37.4	18.1	−0.90	−	3.6	8.7/06.7	33911
2001 FG_{21}	2002 09 15.3	23 31.70	−06 29.2	18.0	−0.77	−	9.6	1.1/14.1	33901
1998 RJ_{62}	2002 09 15.3	23 31.72	−05 35.5	18.4	−0.97	−	3.4	0.9/14.6	31826
1999 XT_{189}	2002 09 15.3	23 31.73	+02 00.0	17.5	−1.02	−	2.0	2.4/16.8	33170
1996 NW_3	2002 09 15.3	23 31.75	−03 05.5	18.4	−0.74	−	4.7	0.0/15.3	14107
1999 XH_{46}	2002 09 15.3	23 31.75	+08 10.2	19.2	−0.94	−	6.4	4.4/19.0	33844
2000 DB_{16}	2002 09 15.3	23 31.80	−05 25.8	18.1	−0.96	−	1.4	0.8/14.7	2378
2000 CO_{70}	2002 09 15.3	23 31.84	+13 06.6	19.1	−0.88	−	2.9	4.8/20.5	*40454*
1981 EN_{13}	2002 09 15.3	23 31.85	+05 05.9	18.0	−0.97	−	6.3	3.1/18.0	33750
1998 XZ_{32}	2002 09 15.3	23 31.86	−06 44.5	17.4	−0.86	−	2.8	1.1/14.2	631
1998 SP_{54}	2002 09 15.3	23 31.92	−00 54.9	18.7	−0.86	−	7.4	0.8/16.1	33778

1998 XX_{33}	2002 09 15.3	23 31.93	−08 22.7	17.2	−0.86	−	5.3	2.0/13.6	33790
1998 WN_{15}	2002 09 15.3	23 31.94	−10 24.1	18.6	−0.81	−	6.2	2.5/12.9	31846
2000 EM_{13}	2002 09 15.3	23 31.95	−00 10.1	18.5	−0.80	−	5.5	0.9/16.4	33867
1998 QB_{14}	2002 09 15.4	23 32.05	−01 01.6	17.1	−0.70	−	9.7	0.9/16.2	33770
2001 KQ_{52}	2002 09 15.4	23 32.06	−43 11.0	19.5	−1.36	+	3.6	13.1/04.5	31415
2001 FO_{147}	2002 09 15.4	23 32.12	+00 02.9	19.5	−0.91	−	6.2	1.1/16.5	33906
2000 CE_{44}	2002 09 15.4	23 32.13	−04 50.2	19.6	−0.67	−	7.1	0.5/14.8	17155
2000 AH_{11}	2002 09 15.4	23 32.17	+08 17.3	18.7	−0.94	−	5.3	4.3/19.1	33852
1998 SO_{115}	2002 09 15.4	23 32.27	−04 38.5	18.4	−0.87	−	2.9	0.8/15.0	33782
2001 DO_{31}	2002 09 15.4	23 32.29	−09 27.6	18.4	−0.99	−	3.6	2.6/13.6	13814
1994 JV_4	2002 09 15.4	23 32.34	−02 52.5	18.9	−0.97	−	6.6	0.0/15.5	33755
2001 HC_{27}	2002 09 15.5	23 32.29	+09 11.6	19.4	−0.69	−	8.5	3.5/20.2	20839
2001 GW_6	2002 09 15.5	23 32.38	−09 39.9	19.1	−0.78	−	8.9	2.2/13.1	18316
2001 FZ_{88}	2002 09 15.5	23 32.39	−01 15.7	17.6	−0.76	−	7.1	0.9/16.1	14423
2001 FQ_{73}	2002 09 15.5	23 32.41	−12 38.0	19.2	−1.03	−	4.9	3.7/12.6	14423
1998 WE_3	2002 09 15.5	23 32.42	−01 09.2	17.8	−0.86	−	3.8	0.6/16.1	*40347*
2000 DU_{19}	2002 09 15.5	23 32.44	−04 49.3	18.6	−0.87	−	5.4	0.7/14.9	31899
1995 BO_6	2002 09 15.5	23 32.44	−17 13.2	17.9	−0.71	−10.5		5.3/09.8	33757
1998 QH_{103}	2002 09 15.5	23 32.50	−11 44.5	17.3	−1.02	+	1.6	4.2/13.4	33773
1999 WV_5	2002 09 15.5	23 32.50	−18 15.6	19.5	−1.02	−	3.1	7.3/10.8	2693
2000 EN_{40}	2002 09 15.5	23 32.55	−05 11.3	18.2	−0.74	−	4.3	0.6/14.8	33868
1998 QC_{77}	2002 09 15.5	23 32.57	+09 08.7	18.4	−0.76	−11.9		4.2/20.4	33772
1998 YV	2002 09 15.5	23 32.63	−02 01.3	18.7	−0.72	−	4.7	0.3/15.9	33791
2001 HE_{51}	2002 09 15.5	23 32.64	+02 37.5	18.2	−0.94	−	4.0	2.2/17.3	33909
2817 P-L	2002 09 15.5	23 32.65	−06 28.5	18.3	−0.86	−	2.2	1.9/14.5	6136
2000 CD_{94}	2002 09 15.5	23 32.69	−03 25.0	18.2	−0.85	−	2.3	0.1/15.5	6268
1996 AH_{10}	2002 09 15.5	23 32.69	+06 49.0	19.3	−0.87	−	4.8	3.0/18.8	*38452*
2001 DL_{18}	2002 09 15.6	23 32.73	−15 02.8	19.9	−0.95	−	5.8	4.1/11.7	18312
2000 HQ_{13}	2002 09 15.6	23 32.85	−05 24.4	19.4	−0.71	−	4.4	0.6/14.8	33875
2000 ED_{40}	2002 09 15.6	23 32.86	−07 36.0	17.6	−0.85	−	3.6	1.6/14.2	*40142*
2001 GU_4	2002 09 15.6	23 32.87	−21 51.0	17.5	−0.90	−	5.8	7.2/09.2	33907
2001 HF_{41}	2002 09 15.6	23 32.89	−04 36.7	18.9	−0.79	−	8.7	0.5/15.1	15098
2000 AT_{193}	2002 09 15.6	23 32.90	+18 37.6	17.4	−0.92	−	5.3	8.8/23.0	33859
2000 DT_{100}	2002 09 15.6	23 33.02	−12 03.5	17.6	−0.90	−	4.5	3.3/12.8	33867
1999 XQ_{221}	2002 09 15.7	23 32.98	−09 51.5	18.8	−0.90	−	4.3	2.2/13.5	14384
2000 GE_{108}	2002 09 15.7	23 33.05	−25 05.0	18.8	−0.83	−	2.0	5.6/08.5	1281
1999 TL_{141}	2002 09 15.7	23 33.09	−10 01.5	18.4	−1.03	−	3.8	2.8/13.6	13613
2000 BY_{28}	2002 09 15.7	23 33.10	−02 41.8	18.4	−0.92	−	4.3	0.1/15.8	33860
1999 XO_{241}	2002 09 15.7	23 33.13	+02 01.3	18.5	−0.87	−	8.1	1.8/17.4	33851
2616 P-L	2002 09 15.7	23 33.14	−07 33.8	18.6	−0.94	−	4.4	1.8/14.3	13872
1999 TD_{212}	2002 09 15.7	23 33.15	+05 20.0	19.1	−0.95	−	7.6	3.2/18.5	33832
2000 CT_{75}	2002 09 15.7	23 33.22	+04 43.3	17.7	−0.66	−	8.4	2.1/18.6	33863
1981 ES_{27}	2002 09 15.7	23 33.25	−05 58.2	19.9	−1.07	−	3.6	1.2/14.9	13530
1998 SJ_{118}	2002 09 15.7	23 33.25	−31 15.2	19.4	−1.16	+	0.4	7.7/07.5	27611
1999 VL_{216}	2002 09 15.7	23 33.32	−02 32.3	18.2	−1.03	−	4.2	0.1/15.9	13626
1994 GS_6	2002 09 15.7	23 33.35	+02 01.7	19.9	−0.90	−	8.0	1.9/17.5	14104
2001 HJ_{40}	2002 09 15.8	23 33.36	−04 03.3	19.0	−0.80	−	9.2	0.4/15.4	33909
2001 EU_6	2002 09 15.8	23 33.51	−12 36.6	17.3	−0.90	−	2.9	4.2/12.9	31941
2000 CF_{94}	2002 09 15.8	23 33.54	−03 18.0	17.7	−0.83	−	2.7	0.1/15.7	33864
2000 FM_{37}	2002 09 15.8	23 33.56	−12 36.0	18.4	−0.75	−	4.4	2.7/12.6	2762
1999 XG_{42}	2002 09 15.8	23 33.61	−15 55.8	18.8	−1.00	−	3.8	4.5/11.9	14380
2000 HM_{70}	2002 09 15.8	23 33.65	−06 59.6	18.4	−0.78	−	2.8	1.2/14.6	33876
1999 VU_{201}	2002 09 15.8	23 33.75	−09 12.7	18.1	−1.05	−	3.1	2.5/14.1	13626
2001 HN_3	2002 09 15.8	23 33.77	−02 28.0	17.5	−0.74	−	6.3	0.1/16.0	15097
2000 EB_{128}	2002 09 15.8	23 33.79	−12 23.6	18.1	−1.07	+	0.7	2.9/13.5	732
1999 WV_{11}	2002 09 15.9	23 33.79	−12 44.7	19.9	−1.05	−	4.4	3.8/12.9	13627
2000 EC_{113}	2002 09 15.9	23 33.86	+05 06.6	17.8	−0.66	−	9.4	2.4/19.0	33869
1998 SC_{140}	2002 09 15.9	23 33.86	+13 18.0	17.9	−0.77	−	8.8	5.8/22.0	33784
2000 AD_{173}	2002 09 15.9	23 33.96	+04 26.1	17.0	−0.78	−10.0		3.2/18.7	33858
2001 KL_{47}	2002 09 15.9	23 33.98	+17 56.3	18.3	−0.85	−	5.1	7.0/23.3	16097
1998 KC_{16}	2002 09 15.9	23 33.98	−13 39.6	18.5	−1.00	−	5.6	4.2/12.6	14355
1992 WP_1	2002 09 15.9	23 34.02	−23 01.5	17.0	−0.77	−	5.2	6.3/08.6	33753
2000 XT_{13}	2002 09 15.9	23 34.06	+06 18.7	17.4	−1.75	+	6.7	4.5/17.0	33328
2001 HL_{56}	2002 09 15.9	23 34.10	+04 16.9	18.5	−0.71	−10.5		2.4/18.7	25371
2001 FA_{87}	2002 09 16.0	23 34.09	−20 07.0	18.2	−1.01	−	1.7	6.5/11.0	30454
1999 VE_{191}	2002 09 16.0	23 34.09	−09 33.1	19.8	−1.01	−	4.6	2.6/14.0	13009
2000 GO_{76}	2002 09 16.0	23 34.10	+16 53.1	19.5	−0.66	−	6.8	4.9/23.6	2472
2002 NX_{32}	2002 09 16.0	23 34.18	+18 17.9	17.9	−0.90	−	1.4	7.3/23.0	33674
2000 CV_{85}	2002 09 16.0	23 34.24	−07 16.0	17.7	−0.76	−	5.5	1.4/14.5	14397
1999 XZ_{178}	2002 09 16.0	23 34.29	−27 47.3	19.1	−0.87	−	5.0	7.8/07.1	14383
1997 NK_6	2002 09 16.0	23 34.34	−01 27.0	18.1	−0.75	−	8.0	0.4/16.5	33762
2001 KB_{63}	2002 09 16.0	23 34.44	−15 30.5	18.1	−0.89	−	5.8	4.7/11.9	18319
1999 XY_{47}	2002 09 16.0	23 34.44	−16 56.3	18.3	−0.98	−	4.2	5.9/11.7	13630
2000 AY_{165}	2002 09 16.0	23 34.47	+42 58.5	20.1	−0.98	−	4.2	12.1/06.8	17139
2000 CE_{71}	2002 09 16.0	23 34.48	+10 25.8	16.8	−0.87	−	1.7	4.6/20.2	33863
1999 VG_{212}	2002 09 16.0	23 34.51	−12 42.6	20.5	−1.00	−	4.5	3.7/13.0	13012
1999 VJ_6	2002 09 16.1	23 34.43	−13 08.9	17.4	−0.98	−	5.6	4.2/12.7	15051
2001 BL_{38}	2002 09 16.1	23 34.44	+25 02.9	18.1	−1.20	−	1.4	8.6/25.1	33893
1999 WK_8	2002 09 16.1	23 34.47	−12 20.2	18.8	−0.96	−	4.3	3.2/13.2	14378
2000 FS_{25}	2002 09 16.1	23 34.48	−09 12.2	17.4	−0.75	−	4.2	1.9/14.0	33872
2000 CQ_{108}	2002 09 16.1	23 34.57	+10 20.0	19.8	−0.81	−	7.3	4.2/20.8	17160
2001 FR_{164}	2002 09 16.1	23 34.58	+00 01.1	19.1	−0.83	−	8.7	1.0/17.1	13374
1995 WU_{26}	2002 09 16.1	23 34.60	−04 48.2	19.0	−0.98	−	5.0	0.8/15.5	11474
1998 MZ_{16}	2002 09 16.1	23 34.61	+08 17.4	17.7	−0.89	−	1.2	5.5/19.4	33769
1999 XH_3	2002 09 16.1	23 34.63	−15 30.6	19.4	−0.96	−	5.8	4.5/12.0	14379
1998 SY_{20}	2002 09 16.1	23 34.64	−00 04.4	20.5	−0.83	−	7.1	0.9/17.0	1969
2000 FF_{57}	2002 09 16.1	23 34.74	−08 14.9	18.0	−0.79	−	5.2	1.9/14.3	2454
2001 FB_{34}	2002 09 16.1	23 34.78	−04 18.0	20.1	−0.97	−	5.2	0.6/15.7	12319
1999 BO_3	2002 09 16.1	23 34.79	−31 28.1	18.3	−0.86	−	2.8	7.4/05.9	1440
2000 DY_{32}	2002 09 16.1	23 34.80	−01 58.2	18.9	−0.75	−	4.5	0.2/16.4	2748
1999 VY_{188}	2002 09 16.1	23 34.81	−23 51.6	18.1	−1.00	−	3.1	9.2/09.7	12200
1998 OA_{15}	2002 09 16.1	23 34.83	+01 26.6	17.5	−0.95	−	2.5	1.8/17.4	33770
2001 FO_{98}	2002 09 16.2	23 34.81	−03 23.2	19.0	−0.78	−10.4		0.2/16.0	14424
2000 EN_{144}	2002 09 16.2	23 34.81	+15 14.1	18.2	−0.88	−	4.8	6.0/22.2	2428
1999 XR_{144}	2002 09 16.2	23 34.82	+03 27.4	17.7	−0.99	−	4.3	2.7/18.1	33848
2001 FV_{161}	2002 09 16.2	23 34.85	+01 04.2	19.2	−0.82	−	6.3	1.3/17.5	13371
1996 GM_{16}	2002 09 16.2	23 34.86	−11 09.4	19.2	−0.81	−	5.5	3.0/13.4	20683
2000 CV_{25}	2002 09 16.2	23 34.95	−00 11.6	18.1	−0.81	−	5.7	0.9/17.1	33861
1996 OA	2002 09 16.2	23 34.95	−08 58.9	17.9	−0.74	−	5.1	2.1/14.1	33759
2000 EF_{140}	2002 09 16.2	23 34.96	−20 38.2	17.8	−0.77	−	4.4	5.2/10.1	33870
2000 AV_{13}	2002 09 16.2	23 34.97	+05 57.8	19.3	−0.94	−	4.8	3.2/19.0	17126
2001 EV_{20}	2002 09 16.2	23 34.98	+04 46.0	19.9	−0.92	−	6.6	2.7/18.7	13822

2001 FP_{55}	2002 09 16.2	23 34.99	−04 49.3	19.4	−0.91	−	4.3	0.7/15.6	13832
2000 EE_{105}	2002 09 16.2	23 34.99	−13 20.5	18.2	−0.66	−	7.6	2.9/12.3	33224
1999 VQ_{166}	2002 09 16.2	23 34.99	−06 37.3	18.6	−0.99	−	4.2	1.7/15.1	11670
2001 FS_{8}	2002 09 16.2	23 35.03	+11 14.9	18.9	−0.80	−	7.2	4.1/21.3	15095
2000 AS_{120}	2002 09 16.2	23 35.04	+00 48.5	19.2	−0.87	−	7.3	1.3/17.4	2293
1994 VG_{3}	2002 09 16.2	23 35.05	−19 45.5	17.7	−0.85	+	1.4	9.1/11.1	33756
1999 CQ_{146}	2002 09 16.2	23 35.15	−03 32.6	18.7	−0.71	−	6.2	0.3/16.0	276
2000 AE_{53}	2002 09 16.2	23 35.17	+08 32.2	18.0	−0.92	−	6.0	4.3/20.0	33854
1999 TV_{22}	2002 09 16.3	23 35.26	−07 37.6	19.2	−1.03	−	5.8	2.0/14.8	13610
1999 XH_{5}	2002 09 16.3	23 35.36	−16 28.1	19.3	−0.99	−	5.6	6.1/11.8	*38130*
2000 CO_{36}	2002 09 16.3	23 35.41	−00 48.9	17.7	−0.69	−	5.4	0.5/17.0	33862
1999 WG_{6}	2002 09 16.3	23 35.41	+04 40.4	18.2	−0.89	−	8.1	2.8/18.9	33841
1998 HC_{42}	2002 09 16.3	23 35.44	−19 41.6	17.6	−0.90	−	1.7	8.8/11.1	33767
1999 XF_{173}	2002 09 16.3	23 35.46	−15 11.6	17.5	−0.98	−	4.0	5.8/12.4	*39565*
2000 AZ_{42}	2002 09 16.3	23 35.48	−27 08.5	18.3	−0.88	−	6.5	7.3/07.4	14386
2000 ER_{151}	2002 09 16.4	23 35.55	+13 03.1	18.8	−0.82	−	5.0	4.7/21.8	33226
1988 XW_{4}	2002 09 16.4	23 35.60	−01 24.0	17.7	−0.77	−	5.5	0.4/16.8	33751
2000 ER_{79}	2002 09 16.4	23 35.63	−10 05.4	18.6	−0.72	−	6.0	2.4/13.8	33869
2000 DL_{94}	2002 09 16.4	23 35.65	+03 09.6	17.8	−1.10	+	1.9	2.5/17.8	33866
1998 RR_{55}	2002 09 16.4	23 35.67	+04 00.5	18.3	−0.88	−	6.7	2.4/18.7	33776
2001 DA_{19}	2002 09 16.4	23 35.68	−12 30.6	19.3	−0.98	−	4.5	3.6/13.4	13813
2000 CV_{41}	2002 09 16.4	23 35.71	−03 11.2	19.5	−0.80	−	7.1	0.2/16.3	33862
2001 HT_{42}	2002 09 16.4	23 35.85	−05 38.7	19.2	−0.84	−	8.1	1.1/15.4	14434
1999 XG_{3}	2002 09 16.4	23 35.92	−14 37.2	18.3	−0.96	−	6.5	4.5/12.5	14378
1999 CD_{57}	2002 09 16.5	23 35.85	−03 07.8	17.9	−0.76	−	4.4	0.1/16.3	33798
2000 EN_{166}	2002 09 16.5	23 35.95	−15 29.4	19.6	−0.96	−	2.2	4.0/12.7	18245
2001 FS_{137}	2002 09 16.5	23 35.96	−03 40.4	19.3	−0.82	−	7.2	0.4/16.2	13843
2000 ET_{118}	2002 09 16.5	23 35.97	−04 54.5	17.4	−1.54	+	4.6	1.0/16.1	18242
2000 AF_{74}	2002 09 16.5	23 35.98	−07 27.7	18.7	−0.89	−	7.5	1.7/14.9	14182
1999 XF_{94}	2002 09 16.5	23 36.03	−51 40.5	16.8	−0.56	−	8.6	22.5/28.0	*40414*
2001 KQ_{6}	2002 09 16.5	23 36.03	+19 29.7	18.0	−0.77	−	8.5	8.9/25.3	25898
2000 DU_{15}	2002 09 16.5	23 36.05	−04 07.5	20.0	−0.81	−	7.0	0.5/16.0	10951
2185 T-2	2002 09 16.5	23 36.13	−04 06.1	17.6	−0.73	−	4.4	0.4/16.1	2803
2001 KQ_{32}	2002 09 16.5	23 36.13	+10 08.9	19.2	−0.69	−	8.5	4.9/21.4	14304
2001 AX_{34}	2002 09 16.5	23 36.15	+23 38.1	16.3	−1.66	+	8.2	14.0/21.3	33353
1999 CM_{81}	2002 09 16.5	23 36.18	+02 29.0	17.6	−0.69	−	9.0	1.6/18.5	33799
1999 TH_{77}	2002 09 16.5	23 36.26	−05 59.1	20.0	−0.97	−	5.0	1.1/15.5	12949
2001 FN_{54}	2002 09 16.5	23 36.26	+07 22.8	19.7	−0.79	−	8.2	3.0/20.2	15096
2001 HF_{57}	2002 09 16.6	23 36.22	−26 51.7	19.5	−0.93	−	3.1	8.2/08.8	18317
2000 HL_{6}	2002 09 16.6	23 36.25	−05 06.9	19.6	−0.71	−	4.3	0.7/15.8	1622
2001 FX_{105}	2002 09 16.6	23 36.30	−09 48.5	18.2	−1.05	−	0.4	3.1/14.7	33905
1999 XL_{144}	2002 09 16.6	23 36.35	−05 05.2	17.0	−1.05	−	2.2	1.0/15.9	15651
2000 AZ_{40}	2002 09 16.6	23 36.35	−05 22.5	17.5	−0.94	−	4.8	1.1/15.7	27657
2000 AY_{40}	2002 09 16.6	23 36.41	−05 20.9	19.6	−0.90	−	4.6	0.9/15.8	2263
2001 HK_{42}	2002 09 16.6	23 36.47	−04 21.2	20.1	−0.91	−	7.6	0.6/16.0	13856
1997 BK_{3}	2002 09 16.7	23 36.62	−04 35.5	19.2	−0.94	−	5.8	0.7/16.1	33760
2001 KP_{52}	2002 09 16.7	23 36.65	−01 18.0	19.4	−0.91	−	5.3	0.4/17.1	14317
2000 AX_{32}	2002 09 16.7	23 36.67	−00 14.6	18.5	−0.97	−	4.3	1.0/17.4	33178
1999 VB_{59}	2002 09 16.7	23 36.68	+02 03.4	18.3	−0.94	−	7.1	1.9/18.2	*40396*
2000 GL_{159}	2002 09 16.7	23 36.68	+15 20.7	19.3	−0.68	−	6.1	4.4/23.4	1291
2000 AY_{193}	2002 09 16.7	23 36.75	−13 19.5	19.5	−0.77	−	8.1	3.1/12.8	*39580*
1999 VZ_{35}	2002 09 16.7	23 36.76	−11 34.1	18.9	−0.94	−	5.1	3.0/13.9	15051
2001 KJ_{40}	2002 09 16.7	23 36.77	+02 27.6	19.5	−0.70	−	6.9	1.3/18.5	14446
1999 VY_{57}	2002 09 16.7	23 36.83	−08 49.1	18.4	−0.96	−	5.2	2.3/14.8	33838
2001 FR_{23}	2002 09 16.7	23 36.87	−02 55.8	19.4	−0.78	−	9.4	0.1/16.6	14421
1999 XN_{160}	2002 09 16.7	23 36.92	+01 40.1	19.1	−0.85	−	6.4	1.4/18.2	14382
1999 XV_{88}	2002 09 16.7	23 36.94	+00 55.3	19.1	−0.94	−	6.0	1.3/17.9	6978
1995 SW_{21}	2002 09 16.7	23 36.94	−07 15.3	19.6	−0.98	−	4.5	1.8/15.3	14105
1998 UH_{40}	2002 09 16.7	23 36.95	−02 40.1	17.8	−0.96	−	3.1	10.3/28.0	31841
2001 FW_{94}	2002 09 16.7	23 36.95	−09 11.9	21.2	−0.85	−	9.7	2.2/14.4	13838
1998 WB_{3}	2002 09 16.7	23 36.95	−06 31.2	18.5	−0.71	−	4.7	1.1/15.4	33789
2000 AD_{203}	2002 09 16.7	23 36.97	+18 02.3	18.0	−0.88	−	4.5	6.8/23.7	33859
1998 XJ_{3}	2002 09 16.7	23 36.98	−02 26.1	19.0	−0.73	−	7.2	7.7/28.0	33790
2000 GS_{9}	2002 09 16.8	23 37.10	+01 19.2	17.5	−0.66	−	13.1	1.5/18.4	33872
2000 DM_{48}	2002 09 16.8	23 37.10	−03 56.5	18.3	−0.73	−	5.2	0.5/16.3	14399
1997 NZ_{3}	2002 09 16.8	23 37.11	+18 57.8	18.0	−0.99	+	1.1	8.9/22.7	33762
1999 XW_{51}	2002 09 16.8	23 37.14	−11 03.7	17.0	−0.89	−	2.4	4.5/14.3	*37894*
2000 BL_{35}	2002 09 16.8	23 37.14	−09 36.3	19.5	−0.85	−	4.7	2.2/14.5	17149
1999 TX_{70}	2002 09 16.8	23 37.24	−06 21.0	18.7	−1.03	−	4.8	1.5/15.7	14375
1999 XC_{98}	2002 09 16.8	23 37.24	−09 17.5	18.1	−0.88	−	5.3	2.2/14.7	33847
2001 CP_{4}	2002 09 16.8	23 37.27	−05 24.2	17.9	−1.04	−	3.3	1.1/16.0	33894
2001 KP_{6}	2002 09 16.8	23 37.31	−01 29.2	19.5	−0.87	−	6.5	0.3/17.2	15100
2001 EO_{10}	2002 09 16.8	23 37.34	−06 49.9	20.9	−0.91	−	4.7	1.4/15.5	13820
2000 XB_{15}	2002 09 16.9	23 37.32	−43 30.6	18.2	−1.81	+	8.1	19.3/09.5	33888
2001 EV_{15}	2002 09 16.9	23 37.33	−17 48.4	17.8	−0.80	−	5.8	5.7/11.6	31942
1999 XR_{238}	2002 09 16.9	23 37.34	−22 59.2	17.2	−0.82	−	6.2	8.2/09.3	33851
1999 VR_{106}	2002 09 16.9	23 37.40	−02 25.8	18.2	−0.91	−	6.2	11.7/07.0	11657
2000 CH_{18}	2002 09 16.9	23 37.42	−01 19.5	16.2	−0.72	−	8.1	0.5/17.3	5700
1229 T-3	2002 09 16.9	23 37.47	−00 26.4	17.4	−1.09	+	1.8	1.1/17.0	33738
1995 AU_{1}	2002 09 16.9	23 37.49	−04 44.5	21.6	−0.79	−	5.2	0.6/16.2	6722
2001 HT_{19}	2002 09 16.9	23 37.50	+05 24.7	19.6	−0.85	−	7.8	2.8/19.7	16095
2001 FQ_{62}	2002 09 16.9	23 37.51	−07 18.7	19.9	−0.95	−	5.3	1.7/15.4	13833
1999 VW_{124}	2002 09 16.9	23 37.64	+03 04.1	19.5	−0.89	−	6.8	1.8/18.8	16042
1999 VF_{187}	2002 09 16.9	23 37.72	−00 42.7	18.6	−0.88	−	8.4	0.8/17.6	10930
1999 XM_{211}	2002 09 16.9	23 37.74	−05 01.6	17.8	−1.07	−	2.1	1.1/16.3	33850
1999 XX_{31}	2002 09 17.0	23 37.66	−14 34.3	18.4	−0.76	−	6.1	3.2/12.7	18220
1998 YR_{5}	2002 09 17.0	23 37.67	+27 22.1	18.3	−0.85	−	1.6	8.0/27.5	23467
2001 DR_{2}	2002 09 17.0	23 37.68	−03 28.5	18.6	−0.97	−	5.2	0.5/16.7	10789
1997 FS_{4}	2002 09 17.0	23 37.70	−56 24.3	18.4	−1.68	+	6.2	18.0/02.9	12857
1998 WP_{36}	2002 09 17.0	23 37.75	−04 39.1	18.6	−0.82	−	5.2	0.9/16.3	16876
2001 FA_{76}	2002 09 17.0	23 37.77	−05 33.7	17.3	−0.78	−	8.4	1.5/15.9	33904
2000 EH_{155}	2002 09 17.0	23 37.80	+10 26.9	18.9	−0.68	−	6.6	3.3/21.8	27662
2001 LT_{15}	2002 09 17.0	23 37.82	−18 06.4	18.7	−0.76	−	5.8	5.0/11.5	23620
2001 MH_{2}	2002 09 17.0	23 37.87	−23 32.8	17.2	−0.63	−	14.5	6.9/07.7	33421
1999 VV_{48}	2002 09 17.0	23 37.96	+06 41.9	18.4	−0.97	−	5.3	3.8/20.0	33837
1997 CD_{22}	2002 09 17.0	23 38.01	−06 22.2	19.2	−0.91	−	6.6	1.4/15.8	14351
2000 AQ_{67}	2002 09 17.0	23 38.02	−09 34.1	18.4	−0.93	−	5.9	2.9/14.7	2272
2001 HY_{54}	2002 09 17.0	23 38.06	−02 27.4	19.0	−0.90	−	8.0	0.0/17.1	14435
1998 FK_{65}	2002 09 17.1	23 38.04	+04 22.0	17.2	−0.90	−	8.9	3.0/19.5	33765
1999 XL_{15}	2002 09 17.1	23 38.06	+07 35.7	17.5	−0.77	−	6.9	5.1/20.7	33153
1998 DW	2002 09 17.1	23 38.07	+27 07.3	18.7	−1.41	+	1.8	13.3/24.8	12119
1999 XG_{99}	2002 09 17.1	23 38.08	−17 58.0	18.3	−0.99	−	5.0	6.8/11.9	33847

2001 FB_{8}	2002 09 17.1	23 38.12	−01 20.4	18.7	−0.92	−	4.4	0.4/17.4	13823
2000 DS_{56}	2002 09 17.1	23 38.14	−01 21.2	18.1	−0.90	−	4.5	0.4/17.4	31900
1979 MV_{8}	2002 09 17.1	23 38.16	−07 08.2	18.7	−0.83	−	8.5	2.0/15.5	12102
1998 XH_{1}	2002 09 17.1	23 38.17	−05 10.5	18.4	−0.78	−	5.2	0.8/16.2	23464
1997 SN_{12}	2002 09 17.1	23 38.21	−02 31.6	18.6	−0.82	−	2.9	0.1/17.1	*35701*
2000 CR_{35}	2002 09 17.1	23 38.23	−02 38.0	17.5	−0.82	−10.7		0.1/17.0	33862
2001 EZ_{16}	2002 09 17.1	23 38.23	+06 51.5	18.0	−0.85	−21.6		3.8/21.0	33382
1999 XJ_{64}	2002 09 17.1	23 38.26	−05 31.1	18.1	−0.90	−	5.5	1.5/16.1	33845
2001 FE_{11}	2002 09 17.1	23 38.29	−04 47.5	18.2	−1.04	−	1.8	1.1/16.5	11970
2000 EP_{102}	2002 09 17.1	23 38.39	−00 22.8	19.5	−0.78	−	6.8	0.8/17.9	25772
1997 TK_{13}	2002 09 17.1	23 38.41	−02 00.7	19.1	−0.73	−	6.9	0.1/17.3	14754
1999 XW_{30}	2002 09 17.1	23 38.42	−02 02.4	18.6	−0.95	−	7.4	0.1/17.3	2202
1999 XK_{39}	2002 09 17.2	23 38.38	−04 24.8	17.5	−0.85	−	8.2	0.9/16.5	33844
2000 EQ_{110}	2002 09 17.2	23 38.39	−06 53.6	18.3	−0.76	−	9.0	1.5/15.5	31903
2001 HF_{14}	2002 09 17.2	23 38.47	−02 04.4	19.5	−0.95	−	5.1	0.1/17.3	15097
1998 TQ_{25}	2002 09 17.2	23 38.48	+01 15.1	18.8	−0.81	−	5.9	1.3/18.4	13582
2000 BX_{27}	2002 09 17.2	23 38.70	−05 32.4	18.3	−0.74	−	4.9	0.9/16.2	704
2001 FW_{36}	2002 09 17.2	23 38.73	+06 16.5	18.4	−1.00	−	3.5	3.2/19.9	33902
2000 GM_{60}	2002 09 17.2	23 38.74	−19 34.4	18.0	−0.91	−	1.0	5.2/12.1	33873
1999 XS_{61}	2002 09 17.2	23 38.75	−11 25.5	19.6	−0.90	−	6.0	3.0/14.3	14380
2001 FG_{91}	2002 09 17.3	23 38.72	−25 01.5	19.5	−0.85	−	4.8	6.5/09.5	15096
1999 XJ_{29}	2002 09 17.3	23 38.79	+03 59.8	18.9	−0.89	−	8.1	2.4/19.5	13032
2000 AJ_{29}	2002 09 17.3	23 38.80	−08 52.0	19.1	−0.97	−	6.1	2.7/15.2	6265
1992 WG	2002 09 17.3	23 38.86	−21 16.5	17.3	−0.87	−	2.4	6.3/11.1	33753
2000 EY_{23}	2002 09 17.3	23 38.93	−01 16.5	19.8	−0.83	−	6.3	0.3/17.7	717
2000 CQ_{83}	2002 09 17.3	23 38.97	−03 13.8	18.6	−0.88	−	3.6	0.3/17.1	31898
2001 FJ_{57}	2002 09 17.3	23 38.99	−05 06.0	19.8	−0.96	−	5.2	1.0/16.5	13832
1999 XF_{50}	2002 09 17.3	23 39.02	−16 19.7	18.0	−0.98	−	4.0	5.5/13.0	13040
1999 XQ_{184}	2002 09 17.3	23 39.09	−06 00.4	18.6	−0.99	−	4.7	1.3/16.2	*40424*
1173 T-3	2002 09 17.3	23 39.12	+14 24.4	18.2	−0.84	−	6.1	6.4/23.4	34059
1999 XZ_{47}	2002 09 17.4	23 39.08	−10 26.5	18.1	−0.98	−	5.7	3.5/14.8	33844
2000 EE_{146}	2002 09 17.4	23 39.13	−14 16.9	19.1	−0.84	−	5.5	4.2/13.3	14405
2001 KP_{40}	2002 09 17.4	23 39.17	−11 56.8	19.1	−0.70	−	7.2	3.0/13.9	14938
2000 YA_{105}	2002 09 17.4	23 39.17	−12 20.7	18.7	−1.00	−	4.7	3.6/14.3	14418
2000 ER_{28}	2002 09 17.4	23 39.20	−17 47.8	19.1	−1.06	−	1.1	5.8/13.0	10953
1996 CP_{2}	2002 09 17.4	23 39.27	−12 18.8	18.3	−0.88	−	3.3	2.9/14.3	*38037*
2000 AJ_{67}	2002 09 17.4	23 39.33	+00 32.3	18.0	−0.89	−	5.2	1.0/18.3	*40432*
2001 HM_{45}	2002 09 17.4	23 39.33	−02 27.1	18.4	−0.72	−	6.5	0.1/17.4	17604
1993 TH_{4}	2002 09 17.4	23 39.35	−01 49.8	17.4	−0.85	−	3.9	0.1/17.6	33754
2001 HC_{38}	2002 09 17.4	23 39.44	−19 24.3	20.1	−0.92	−	5.7	5.6/11.7	14277
1998 SW_{162}	2002 09 17.4	23 39.44	+01 42.4	19.5	−0.81	−	7.1	1.6/18.8	31837
1998 HS_{124}	2002 09 17.5	23 39.45	−08 11.5	18.8	−0.94	−	7.9	2.3/15.5	12124
1999 VZ_{1}	2002 09 17.5	23 39.56	−00 17.3	18.7	−0.97	−	6.5	0.8/18.1	13618
2000 AX_{241}	2002 09 17.5	23 39.58	−04 58.5	19.3	−0.78	−	9.8	0.9/16.5	14392
2001 FU_{49}	2002 09 17.5	23 39.59	−01 53.2	19.9	−1.03	−	4.9	0.1/17.6	12019
2000 GE_{10}	2002 09 17.5	23 39.62	−04 37.2	19.2	−0.83	−	5.2	0.8/16.7	19584
2001 BQ_{10}	2002 09 17.5	23 39.62	+24 26.1	18.9	−1.45	+	2.1	12.4/24.4	33356
2000 FW_{41}	2002 09 17.5	23 39.63	−09 17.8	18.8	−0.70	−	5.4	1.9/15.1	*40250*
1998 RW_{57}	2002 09 17.5	23 39.63	−05 14.2	18.1	−0.84	−	5.9	1.2/16.5	31826
2000 CU_{40}	2002 09 17.5	23 39.65	−07 46.8	17.2	−0.86	−	3.1	1.9/15.8	33862
1999 YK_{3}	2002 09 17.5	23 39.68	−31 07.3	20.0	−1.07	−	0.6	7.8/08.7	2706
1999 VF_{128}	2002 09 17.5	23 39.71	+04 11.2	20.0	−0.93	−	6.8	2.2/19.7	14377
2000 GL_{172}	2002 09 17.5	23 39.72	+07 21.4	18.5	−0.91	−	4.5	3.6/20.6	30354
2000 GZ_{63}	2002 09 17.5	23 39.72	+05 07.5	18.7	−0.71	−	6.6	2.1/20.2	1600
2001 MA_{26}	2002 09 17.5	23 39.74	−00 48.2	18.5	−0.74	−	9.9	0.5/18.1	17631
1996 YF_{1}	2002 09 17.5	23 39.77	−16 42.2	21.9	−0.98	−	5.6	4.4/12.8	*29667*
1999 VZ_{57}	2002 09 17.5	23 39.81	−12 27.3	18.7	−1.01	−	4.7	3.9/14.4	14377
2001 DU_{65}	2002 09 17.5	23 39.87	−01 33.2	18.5	−0.92	−	8.1	0.3/17.8	33898
1999 XO_{153}	2002 09 17.5	23 39.87	+18 43.8	18.9	−0.89	−	4.7	6.4/24.8	*40420*
1999 XU_{71}	2002 09 17.6	23 39.81	−05 00.3	18.4	−0.94	−	6.1	1.0/16.7	*40412*
2001 HO_{29}	2002 09 17.6	23 39.90	+05 48.6	19.3	−0.79	−	7.3	2.6/20.5	14431
2001 EN	2002 09 17.6	23 39.91	−06 39.0	19.8	−0.92	−	6.3	1.6/16.2	13819
1999 XL_{105}	2002 09 17.6	23 39.96	−11 49.4	19.1	−1.03	−	4.6	3.9/14.6	17101
1998 VC_{49}	2002 09 17.6	23 39.99	+22 56.5	18.4	−0.76	−	9.0	8.1/27.8	14770
2001 KR_{27}	2002 09 17.6	23 40.10	−21 34.4	18.7	−0.80	−	2.9	6.2/11.3	17615
2000 DH_{103}	2002 09 17.6	23 40.16	−04 36.2	19.2	−0.81	−	5.2	0.8/16.9	16053
1998 HH_{71}	2002 09 17.6	23 40.17	−06 39.3	18.7	−0.91	−	6.6	2.1/16.2	27602
1994 CA_{9}	2002 09 17.6	23 40.20	−02 38.9	18.6	−1.00	−	6.1	0.2/17.5	14347
1998 WP_{41}	2002 09 17.6	23 40.21	+09 17.8	18.2	−0.78	−	5.9	3.5/21.7	23464
2000 FE_{16}	2002 09 17.7	23 40.20	−12 18.2	18.0	−0.72	−	7.1	3.1/14.0	14229
2000 EJ_{122}	2002 09 17.7	23 40.20	−06 45.7	18.2	−0.76	−	5.5	1.6/16.1	14405
1998 RV_{71}	2002 09 17.7	23 40.24	−04 36.2	18.3	−0.85	−	5.7	0.8/16.9	33777
1999 XX_{70}	2002 09 17.7	23 40.24	−02 57.9	19.6	−0.92	−	6.9	0.3/17.4	27655
1998 SA_{163}	2002 09 17.7	23 40.26	+01 31.8	18.1	−0.79	−	6.8	1.1/19.0	33785
2000 FL_{26}	2002 09 17.7	23 40.28	−15 04.4	17.7	−0.86	−	1.3	4.2/13.8	12240
1998 VD_{17}	2002 09 17.7	23 40.32	+18 50.6	17.8	−0.75	−10.6		6.9/26.2	31842
2001 EO_{20}	2002 09 17.7	23 40.41	+02 28.2	18.6	−0.86	−	9.6	1.9/19.4	11952
2001 FD_{10}	2002 09 17.7	23 40.41	−03 21.6	20.1	−0.93	−	5.4	0.5/17.4	13281
2000 CV_{96}	2002 09 17.7	23 40.47	+02 06.8	18.8	−0.90	−	9.0	1.7/19.2	17160
1999 XE_{217}	2002 09 17.7	23 40.48	+02 24.3	19.1	−0.93	−	5.3	1.9/19.2	20745
2001 FA_{151}	2002 09 17.7	23 40.57	+04 57.3	19.1	−0.79	−	7.2	2.2/20.3	14425
2001 AG_{3}	2002 09 17.7	23 40.66	−41 02.4	19.1	−1.70	+	7.7	18.9/09.7	12268
1999 VR_{15}	2002 09 17.8	23 40.52	+01 31.0	18.4	−1.00	−	5.5	1.6/18.9	12187
2001 DJ_{46}	2002 09 17.8	23 40.60	−07 01.1	18.2	−0.94	−	8.3	2.0/16.2	10807
1999 XF_{101}	2002 09 17.8	23 40.61	+02 13.4	19.3	−0.85	−	4.8	1.3/19.2	2223
1999 TX_{290}	2002 09 17.8	23 40.62	−11 05.3	17.0	−0.84	−	7.2	4.4/14.7	33834
1998 RM_{73}	2002 09 17.8	23 40.67	−02 31.0	17.5	−1.04	−	0.6	0.2/17.7	33777
1999 YZ_{2}	2002 09 17.8	23 40.67	+24 50.7	18.2	−0.85	−	9.2	9.3/28.5	33852
1999 XU_{48}	2002 09 17.8	23 40.69	−13 58.3	19.5	−1.01	−	4.1	4.6/14.2	13040
2000 AK_{193}	2002 09 17.8	23 40.70	+12 18.8	19.2	−0.78	−	6.2	4.2/23.0	31894
2001 HU_{21}	2002 09 17.8	23 40.70	−02 12.2	19.9	−0.83	−	6.1	0.0/17.8	13436
1994 EN	2002 09 17.8	23 40.71	−06 11.3	17.5	−0.68	−	7.9	1.3/16.3	16003
1998 RD_{60}	2002 09 17.8	23 40.76	+06 04.6	18.1	−0.66	−14.2		3.2/21.3	25718
2153 P-L	2002 09 17.8	23 40.80	+01 00.8	18.6	−0.72	−	3.9	1.7/18.9	34057
2000 EP_{119}	2002 09 17.8	23 40.81	−20 12.0	16.8	−0.88	−	1.3	7.6/12.3	33870
2000 CH_{72}	2002 09 17.8	23 40.82	−11 13.0	22.4	−0.81	−	5.0	2.3/14.8	7520
2000 EC_{70}	2002 09 17.8	23 40.89	+03 18.8	17.9	−0.66	−	7.8	1.7/19.9	14403
2000 EH_{93}	2002 09 17.8	23 40.90	+12 24.3	19.0	−0.85	−	3.7	4.3/22.6	15067
2001 FU_{36}	2002 09 17.9	23 40.87	−05 33.5	18.8	−1.09	−	0.3	1.4/17.0	13828
2000 GV_{157}	2002 09 17.9	23 40.93	+10 39.9	18.4	−0.84	−	2.1	4.0/22.0	23531
2000 CR_{88}	2002 09 17.9	23 41.05	−14 56.3	17.7	−0.67	−	8.7	3.8/13.0	18232
1992 UJ_{1}	2002 09 17.9	23 41.06	+09 41.1	16.8	−0.67	−10.0		5.8/22.6	33753

2000 BA_{10}	2002 09 17.9	23 41.07	−08 46.6	20.0	−0.73	−	5.9	2.0/15.6	14393
2000 DH_{81}	2002 09 17.9	23 41.11	+01 24.4	17.0	−1.00	−	0.7	1.3/18.9	33866
1999 CR_{128}	2002 09 17.9	23 41.11	−13 18.7	20.9	−0.84	−	3.3	2.7/14.3	*35734*
2001 FR_{70}	2002 09 17.9	23 41.12	−06 57.5	18.5	−0.91	−	5.5	2.0/16.4	33904
2001 HB_{1}	2002 09 17.9	23 41.16	−22 44.5	21.0	−0.96	−	2.2	6.3/11.7	14428
2000 DR_{15}	2002 09 17.9	23 41.17	−11 56.9	17.6	−0.71	−	7.5	3.2/14.3	33865
1999 AR_{9}	2002 09 17.9	23 41.22	+14 43.6	17.0	−1.10	+	3.1	5.8/22.0	33065
1997 UU_{8}	2002 09 17.9	23 41.24	−06 07.5	18.7	−0.72	−	4.8	1.1/16.6	33763
1998 TF	2002 09 17.9	23 41.25	−07 07.0	17.6	−0.88	−	3.6	1.5/16.4	2636
2001 FP_{77}	2002 09 17.9	23 41.26	−15 44.0	19.3	−0.93	−	3.5	4.7/13.8	14423
2000 AR_{113}	2002 09 17.9	23 41.26	−19 53.7	18.6	−0.83	−	8.0	5.7/11.4	33856
1999 VF_{58}	2002 09 17.9	23 41.31	−09 32.9	17.8	−0.91	−	3.8	3.9/15.6	3459
2000 DD_{9}	2002 09 18.0	23 41.27	−04 37.6	17.7	−0.73	−	6.3	0.9/17.1	13163
1995 DK_{7}	2002 09 18.0	23 41.30	−04 35.7	18.3	−0.80	−	4.4	0.9/17.2	11471
2001 DK_{86}	2002 09 18.0	23 41.34	−09 40.6	19.9	−0.96	−	5.1	2.9/15.6	17563
2001 FZ_{47}	2002 09 18.0	23 41.37	−07 12.1	19.1	−1.00	−	4.5	1.9/16.5	13301
2001 EE_{10}	2002 09 18.0	23 41.39	−08 43.7	17.1	−0.85	−	3.6	3.3/15.9	33900
2001 FG_{78}	2002 09 18.0	23 41.43	−17 13.0	19.5	−0.97	−	2.2	5.1/13.6	13836
1999 VH_{171}	2002 09 18.0	23 41.45	+10 06.8	19.2	−0.94	−	6.5	4.7/22.1	14152
1999 XG_{22}	2002 09 18.0	23 41.48	−13 46.0	18.5	−0.92	−	7.6	4.9/14.0	13030
2001 JD_{7}	2002 09 18.0	23 41.48	−05 45.3	19.7	−0.89	−	7.0	1.3/16.8	19936
1998 ST_{19}	2002 09 18.0	23 41.54	−01 03.9	18.5	−0.88	−	6.2	0.3/18.4	25718
2000 EF_{105}	2002 09 18.0	23 41.63	−20 49.4	18.9	−0.84	−	2.8	5.3/12.0	2417
2000 ER_{150}	2002 09 18.0	23 41.66	−01 11.7	18.3	−0.77	−	5.6	0.3/18.4	33870
2001 KY_{70}	2002 09 18.0	23 41.70	−21 49.2	17.7	−1.14	−	0.2	8.7/12.5	33912
2000 EE_{83}	2002 09 18.1	23 41.59	−13 14.4	18.1	−0.88	−	1.9	3.4/14.7	725
1998 QV_{8}	2002 09 18.1	23 41.61	−13 59.2	17.1	−0.85	−	6.6	5.0/14.0	13569
1998 QJ_{98}	2002 09 18.1	23 41.66	−03 19.8	17.4	−0.71	−13.2		0.5/17.6	33773
2001 FU_{26}	2002 09 18.1	23 41.67	+04 10.8	18.7	−0.87	−	5.7	2.3/20.2	17575
1999 EM_{13}	2002 09 18.1	23 41.71	−08 10.3	17.7	−0.67	−	7.8	2.2/15.8	16958
2000 GK_{163}	2002 09 18.1	23 41.71	+12 38.4	17.9	−0.76	−	4.9	4.3/23.2	6271
2000 DG_{98}	2002 09 18.1	23 41.71	−06 36.8	18.3	−0.88	−	3.1	1.6/16.7	13659
1999 XY_{24}	2002 09 18.1	23 41.72	+29 52.0	18.6	−0.93	−	8.5	10.5/01.2	33843
2000 AW_{75}	2002 09 18.1	23 41.79	+00 56.9	19.8	−0.92	−	6.4	1.1/19.1	19478
2000 CY_{82}	2002 09 18.1	23 41.87	−09 02.4	18.6	−0.72	−	5.9	2.0/15.7	33863
1999 TL_{69}	2002 09 18.1	23 41.88	−01 56.6	19.6	−1.02	−	5.3	0.0/18.2	11576
2001 FF_{81}	2002 09 18.1	23 41.93	+09 20.4	18.9	−1.03	−	4.7	4.6/21.7	13837
1995 SN_{5}	2002 09 18.2	23 41.94	−25 29.9	17.0	−1.79	+14.0		12.2/16.7	33757
2000 DL_{7}	2002 09 18.2	23 41.95	−20 52.8	18.0	−0.84	−	2.0	5.0/12.2	2745
2000 EG_{168}	2002 09 18.2	23 41.96	−16 34.4	18.6	−1.08	−	0.8	5.5/14.1	31905
2000 AY_{116}	2002 09 18.2	23 42.02	−16 33.5	18.2	−0.78	−	9.7	5.0/12.7	30347
2002 NZ_{27}	2002 09 18.2	23 42.13	+17 45.8	18.0	−1.03	−	0.9	8.1/24.4	33670
5552 P-L	2002 09 18.2	23 42.15	−10 12.9	18.5	−0.96	−	0.9	3.7/15.9	32042
2001 FH_{42}	2002 09 18.2	23 42.17	−02 02.8	17.9	−0.95	−	2.6	0.0/18.2	33902
2000 FG_{21}	2002 09 18.2	23 42.19	−20 15.9	16.7	−0.82	−	5.4	6.8/11.7	33871
2000 CU_{35}	2002 09 18.2	23 42.24	−00 11.0	18.9	−0.80	−	7.8	0.5/18.9	31897
1999 XZ_{82}	2002 09 18.2	23 42.26	−14 18.5	17.8	−0.90	−	6.7	5.4/14.0	13049
1997 WG_{11}	2002 09 18.2	23 42.27	+01 35.3	19.4	−0.74	−	5.4	1.2/19.5	20692
4261 P-L	2002 09 18.2	23 42.28	+01 22.1	17.9	−0.77	−	6.3	1.1/19.4	*40274*
2000 GC_{97}	2002 09 18.3	23 42.36	−06 56.9	18.2	−1.00	−	1.8	1.8/16.9	1277
4153 T-2	2002 09 18.3	23 42.38	−06 04.8	18.3	−0.81	−	4.5	1.4/17.0	34058
1995 YH_{11}	2002 09 18.3	23 42.41	−03 13.0	19.7	−0.83	−	6.4	0.4/17.9	20683
2001 FQ_{3}	2002 09 18.3	23 42.42	−09 19.1	18.9	−0.99	−	3.3	2.8/16.1	13823
1981 UC_{26}	2002 09 18.3	23 42.44	−03 37.7	16.7	−0.72	−	6.2	0.6/17.7	23416
2000 AF_{50}	2002 09 18.3	23 42.45	−06 09.2	19.3	−0.85	−	6.0	1.4/16.9	13102
1998 FD_{30}	2002 09 18.3	23 42.47	+03 43.7	16.8	−0.91	−	8.8	2.6/20.3	33765
2001 HF_{36}	2002 09 18.3	23 42.48	+02 47.2	19.3	−0.85	−	4.8	1.4/19.9	13457
1999 CM_{37}	2002 09 18.3	23 42.51	−06 42.8	18.3	−0.74	−	5.0	1.4/16.7	33797
1991 RS_{4}	2002 09 18.3	23 42.52	+00 24.9	17.1	−0.80	−	3.7	1.2/19.1	33752
2000 CP_{57}	2002 09 18.3	23 42.60	−28 02.8	17.5	−0.99	−	2.1	9.7/09.7	15061
2000 AL_{90}	2002 09 18.3	23 42.61	−00 48.8	18.6	−0.84	−	6.6	0.4/18.7	33855
1999 TC_{127}	2002 09 18.3	23 42.61	−05 52.4	18.7	−0.96	−	8.0	1.6/17.0	33830
1981 ED_{9}	2002 09 18.3	23 42.67	+06 52.7	18.2	−0.96	−	6.4	3.7/21.2	33750
1997 NG_{1}	2002 09 18.3	23 42.72	−00 45.4	19.3	−0.79	−	6.0	0.4/18.8	6198
1993 FY_{55}	2002 09 18.4	23 42.74	−11 03.7	17.6	−0.94	−	3.5	3.8/15.7	12107
2001 BK_{73}	2002 09 18.4	23 42.75	+14 33.0	18.5	−0.97	−	6.0	5.8/24.1	13809
2000 AL_{82}	2002 09 18.4	23 42.75	−02 47.0	18.8	−0.92	−	6.3	0.3/18.1	2714
1997 UB_{21}	2002 09 18.4	23 42.78	−08 52.3	18.7	−0.68	−	8.3	2.0/15.8	33763
2000 FP_{17}	2002 09 18.4	23 42.83	−17 16.5	17.5	−0.82	−	2.7	5.0/13.5	33871
2000 CP_{23}	2002 09 18.4	23 42.84	−02 29.1	18.3	−0.77	−	6.7	0.2/18.2	14394
2000 KY_{12}	2002 09 18.4	23 42.85	−21 06.0	19.1	−0.71	−	5.9	4.9/11.3	3603
1999 XS_{247}	2002 09 18.4	23 42.86	−10 36.5	16.0	−0.73	−	7.9	4.5/15.2	23511
2001 FN_{41}	2002 09 18.4	23 42.87	−03 42.6	18.8	−0.92	−	5.6	0.8/17.9	12006
1999 XB_{59}	2002 09 18.4	23 42.90	−09 04.1	17.4	−0.95	−	4.3	3.3/16.2	33845
2000 AR_{7}	2002 09 18.4	23 42.91	+04 45.0	16.8	−1.02	−	1.7	3.1/20.3	33852
2000 DR_{38}	2002 09 18.4	23 42.97	−01 48.7	19.1	−0.74	−	5.1	0.0/18.5	2383
1990 HY_{5}	2002 09 18.4	23 42.99	+01 45.6	19.6	−0.91	−	5.9	1.2/19.6	13533
2001 LO_{9}	2002 09 18.4	23 43.00	−02 34.9	20.4	−0.77	−	6.8	0.2/18.2	17623
2000 EU_{68}	2002 09 18.4	23 43.06	−03 35.6	19.8	−0.71	−	4.3	0.5/17.9	724
2001 KS_{1}	2002 09 18.4	23 43.06	−21 36.6	17.2	−0.71	−	6.3	8.4/11.0	17609
1995 FE_{5}	2002 09 18.4	23 43.10	−06 24.8	18.6	−0.78	−	4.5	1.5/17.0	33757
2001 DP_{46}	2002 09 18.5	23 43.06	−16 18.4	20.3	−0.99	−	6.2	5.6/13.8	12299
2000 AN_{119}	2002 09 18.5	23 43.15	−02 15.6	17.4	−0.83	−	9.0	0.2/18.4	33857
2000 FW_{63}	2002 09 18.5	23 43.19	−11 33.8	19.4	−0.81	−	5.8	3.1/15.2	33229
2001 FX_{60}	2002 09 18.5	23 43.22	−11 02.2	17.5	−1.05	−	1.5	4.2/16.0	13833
1999 XX_{126}	2002 09 18.5	23 43.23	−08 39.7	19.4	−1.00	−	3.9	2.6/16.5	13061
1999 TC_{56}	2002 09 18.5	23 43.29	−01 09.2	19.3	−0.97	−	6.7	0.3/18.8	17047
1979 MZ_{8}	2002 09 18.5	23 43.29	+16 00.3	17.1	−0.81	−	3.0	7.8/24.4	33750
1993 SD_{11}	2002 09 18.5	23 43.31	−01 19.2	17.6	−0.85	−	4.3	0.2/18.7	1413
1998 YU_{11}	2002 09 18.5	23 43.35	−13 48.9	17.9	−0.74	−	5.3	3.5/14.4	1067
2000 AU_{202}	2002 09 18.5	23 43.38	+19 18.2	19.0	−0.85	−	5.2	6.5/26.0	1566
2000 FH_{63}	2002 09 18.5	23 43.42	+09 28.9	18.7	−0.74	−	6.1	3.4/22.6	17247
2000 GO_{178}	2002 09 18.6	23 43.40	−01 03.9	19.0	−0.77	−	5.6	0.2/18.9	2502
2001 KQ_{56}	2002 09 18.6	23 43.43	−17 14.5	18.8	−0.82	−	6.8	5.1/13.2	14448
1999 VV_{123}	2002 09 18.6	23 43.45	−00 10.5	19.0	−0.91	−	7.2	0.6/19.2	16042
1998 SD_{132}	2002 09 18.6	23 43.46	+03 43.7	16.7	−0.88	−	3.5	2.3/20.3	33783
2001 HC_{61}	2002 09 18.6	23 43.48	−18 21.5	18.2	−0.77	−	7.3	5.8/12.6	14436
1999 VU_{109}	2002 09 18.6	23 43.51	−15 36.6	19.5	−1.01	−	3.8	5.4/14.4	12999
2000 AK_{232}	2002 09 18.6	23 43.53	−15 57.0	19.1	−0.87	−	6.6	5.9/13.7	19490
2001 KO_{69}	2002 09 18.6	23 43.55	−19 19.7	18.9	−0.77	−	7.8	6.0/12.1	17619
2001 HR_{27}	2002 09 18.6	23 43.55	−05 27.3	19.1	−0.91	−	5.5	1.2/17.5	16095
1999 XB_{36}	2002 09 18.6	23 43.56	+05 43.9	17.2	−1.00	−	3.1	3.2/20.8	33844

1993 FS_{47}	2002 09 18.6	23 43.59	−04 48.7	17.4	−1.00	−	3.2	1.2/17.8	*38760*
2001 FO_{77}	2002 09 18.6	23 43.73	−08 38.1	18.3	−0.85	−	6.6	2.3/16.4	29690
1994 TN_{15}	2002 09 18.6	23 43.77	−01 04.4	18.8	−0.83	−	6.1	0.3/18.9	31805
2001 KH_{60}	2002 09 18.7	23 43.75	−23 28.0	16.8	−0.75	−	4.8	9.5/10.7	31948
2000 EZ_{101}	2002 09 18.7	23 43.78	−00 22.5	22.2	−0.77	−	5.0	0.4/19.2	14846
1999 VK_{21}	2002 09 18.7	23 43.79	+03 00.6	17.5	−0.94	−	4.1	1.6/20.2	674
2000 FO_{30}	2002 09 18.7	23 43.81	−08 52.9	18.9	−0.85	−	5.4	2.3/16.3	31905
1999 VD_{188}	2002 09 18.7	23 43.89	−13 24.2	18.6	−0.96	−	5.4	4.5/15.0	33841
2000 AA_{88}	2002 09 18.7	23 43.89	−25 18.3	19.5	−0.83	−	7.5	7.0/09.8	2715
1998 HB_{100}	2002 09 18.7	23 43.89	−16 56.3	20.3	−1.05	−	4.1	6.0/14.2	26882
1998 SW_{138}	2002 09 18.7	23 43.91	−00 11.9	18.3	−0.88	−	4.7	0.6/19.2	6218
1998 RJ_{49}	2002 09 18.7	23 43.94	−01 02.8	18.2	−0.89	−	5.1	0.2/19.0	33776
1998 SR_{79}	2002 09 18.7	23 44.01	−05 12.6	18.2	−0.81	−	6.2	1.5/17.6	14121
2000 AL_{155}	2002 09 18.7	23 44.05	+09 37.6	19.3	−0.98	−	4.3	4.4/22.3	17137
2000 GL_{87}	2002 09 18.7	23 44.08	−18 26.3	18.1	−0.82	−	2.9	5.0/13.3	31907
1998 HJ_{139}	2002 09 18.7	23 44.13	−12 04.8	18.9	−0.92	−	8.0	4.4/15.3	27604
2001 FT_{74}	2002 09 18.8	23 44.12	−03 04.3	18.6	−0.85	−	8.7	0.5/18.3	33904
2001 FN_{70}	2002 09 18.8	23 44.15	−06 17.7	19.9	−0.92	−	5.8	1.6/17.3	14422
1998 SW_{12}	2002 09 18.8	23 44.17	−64 50.9	17.8	−2.06	+13.7		28.6/02.0	31829
2001 DM_{43}	2002 09 18.8	23 44.20	−07 54.2	18.4	−0.93	−	8.6	2.6/16.7	33898
2000 GD_{51}	2002 09 18.8	23 44.20	+05 24.6	17.9	−0.64	−	9.3	2.2/21.6	19598
2000 EG_{76}	2002 09 18.8	23 44.21	−09 39.2	17.8	−0.87	−	2.2	2.6/16.4	18240
1999 UD_{44}	2002 09 18.8	23 44.24	+06 51.5	18.7	−0.99	−	5.7	3.3/21.6	13618
1448 T-2	2002 09 18.8	23 44.24	−03 00.2	19.3	−0.77	−	6.0	0.4/18.4	8354
2000 DF_{53}	2002 09 18.8	23 44.26	+01 30.6	19.0	−0.88	−	4.9	1.2/19.9	17171
2001 HE_{23}	2002 09 18.8	23 44.27	−26 03.8	19.0	−0.99	−	1.5	9.3/11.4	14431
2001 CQ_{8}	2002 09 18.8	23 44.34	−03 30.0	17.7	−1.06	−	3.0	0.7/18.3	33895
1998 XM_{79}	2002 09 18.8	23 44.37	+01 09.2	17.6	−0.71	−	8.8	0.9/19.9	33791
2000 AG_{85}	2002 09 18.8	23 44.37	−04 41.6	18.2	−0.90	−	6.6	1.1/17.9	33855
2000 FF_{12}	2002 09 18.8	23 44.41	−17 22.4	17.9	−1.14	+	1.2	5.5/14.9	33871
2000 XZ	2002 09 18.8	23 44.45	+32 34.9	17.8	−1.07	−	7.4	14.0/02.8	33887
2001 FD_{44}	2002 09 18.8	23 44.47	+04 56.7	18.0	−1.02	−	4.1	2.7/20.9	33388
2000 AD_{7}	2002 09 18.8	23 44.49	−17 00.4	18.2	−0.96	−	2.1	7.8/14.1	18224
2001 CW_{31}	2002 09 18.8	23 44.50	−42 15.7	21.0	−1.01	−	4.4	11.3/03.8	14418
2000 EA_{155}	2002 09 18.9	23 44.55	+06 34.9	19.4	−0.88	−	3.4	2.6/21.5	401
1999 CM_{122}	2002 09 18.9	23 44.61	−30 24.2	19.9	−0.82	−	3.7	7.6/08.3	16947
2000 AT_{81}	2002 09 18.9	23 44.65	+05 34.1	18.2	−0.86	−	6.9	2.5/21.4	14387
2000 FE_{37}	2002 09 18.9	23 44.67	−06 06.7	18.9	−0.81	−	6.2	1.4/17.4	3546
2001 KL_{4}	2002 09 18.9	23 44.68	+02 58.2	17.8	−0.79	−	5.6	1.7/20.5	25898
1999 TP_{154}	2002 09 18.9	23 44.71	−15 25.1	18.6	−1.06	−	3.5	6.2/14.8	12956
2001 HO_{58}	2002 09 18.9	23 44.71	−24 12.3	16.7	−0.60	−14.5		8.2/08.5	33910
1998 HW_{113}	2002 09 18.9	23 44.72	−06 10.7	19.9	−0.94	−	8.4	1.8/17.4	23457
2000 GN_{138}	2002 09 18.9	23 44.73	−00 56.1	19.2	−0.62	−	7.9	0.2/19.2	4568
2000 CH_{1}	2002 09 18.9	23 44.81	−03 31.7	17.2	−0.91	−	2.3	0.9/18.4	33861
1996 AF_{11}	2002 09 18.9	23 44.86	+02 20.7	20.1	−0.84	−	5.5	1.2/20.3	*38037*
1998 VY_{47}	2002 09 18.9	23 44.88	+04 45.2	19.5	−0.78	−	6.2	2.0/21.2	16870
2001 HS_{21}	2002 09 19.0	23 44.87	+03 31.5	19.9	−0.80	−	7.1	1.7/20.8	13436
2000 JX_{44}	2002 09 19.0	23 44.89	+13 09.1	19.6	−0.68	−	5.6	3.6/24.4	1350
1999 VR_{38}	2002 09 19.0	23 44.95	−02 44.9	17.4	−0.86	−	6.4	0.5/18.7	33837
1999 XY_{221}	2002 09 19.0	23 45.00	−11 14.1	18.0	−0.99	−	3.2	3.9/16.2	14384
2000 HJ_{35}	2002 09 19.0	23 45.01	−18 09.6	19.8	−0.77	−	3.9	4.8/13.4	33232
1998 SM_{54}	2002 09 19.0	23 45.08	+01 56.3	17.4	−1.08	+	0.2	1.5/20.0	33045
2000 EO_{147}	2002 09 19.0	23 45.13	−03 40.3	18.4	−0.82	−	2.4	0.6/18.4	1582
3175 T-3	2002 09 19.0	23 45.14	−03 26.9	18.6	−0.79	−	4.4	0.6/18.5	34059
2000 JX_{4}	2002 09 19.0	23 45.16	−05 47.3	19.6	−0.87	−	2.1	1.4/17.8	26961
1998 SS_{116}	2002 09 19.0	23 45.24	+07 20.4	17.4	−0.84	−	5.3	3.9/22.1	33782
2001 FE_{46}	2002 09 19.1	23 45.18	+02 14.0	18.8	−1.02	−	5.2	1.5/20.3	13830
1999 WO_{13}	2002 09 19.1	23 45.20	−02 49.2	17.5	−0.87	−	7.8	0.5/18.7	13627
1996 FJ_{18}	2002 09 19.1	23 45.31	−06 08.6	16.4	−0.85	−	3.5	1.6/17.7	*29114*
2000 AD_{204}	2002 09 19.1	23 45.34	+08 45.0	18.6	−0.90	−	4.0	3.4/22.4	2724
2000 ER_{91}	2002 09 19.1	23 45.34	+04 34.5	17.6	−0.70	−	7.7	2.0/21.4	14220
2001 HC_{42}	2002 09 19.1	23 45.36	−06 04.9	17.4	−0.77	−	9.5	1.9/17.5	13466
2001 GU_{8}	2002 09 19.1	23 45.48	−11 35.8	20.8	−0.97	−	6.5	3.4/15.9	18316
1999 XH_{212}	2002 09 19.1	23 45.48	−09 40.1	16.5	−0.70	−	6.6	4.4/16.2	12219
1999 XX_{164}	2002 09 19.1	23 45.54	+10 52.7	18.8	−0.92	−	3.4	3.8/23.0	693
1998 MK_{28}	2002 09 19.1	23 45.55	+02 03.5	17.3	−0.87	−	5.9	1.6/20.4	33769
1976 DC	2002 09 19.1	23 45.58	+24 44.7	21.4	−1.12	−	1.8	7.7/27.2	13528
2001 HO_{37}	2002 09 19.1	23 45.59	−12 08.4	18.7	−0.92	−	2.5	3.6/16.0	14433
1999 XB_{169}	2002 09 19.1	23 45.62	−04 49.3	17.8	−0.99	−	4.8	1.3/18.2	2701
2001 KJ_{58}	2002 09 19.2	23 45.54	−00 42.2	17.8	−0.68	−	9.0	0.3/19.5	33912
2000 AY_{113}	2002 09 19.2	23 45.57	−18 56.8	18.5	−0.74	−	7.3	5.0/12.9	33856
2002 NN_{33}	2002 09 19.2	23 45.57	+10 55.2	16.4	−0.72	−	7.8	6.0/24.0	33675
1994 VW_{7}	2002 09 19.2	23 45.60	−26 04.8	18.5	−1.19	+	3.4	10.6/13.0	1895
1993 OP_{7}	2002 09 19.2	23 45.72	−21 10.6	18.8	−0.78	−	7.4	7.5/12.0	13538
1998 SZ_{99}	2002 09 19.2	23 45.72	+11 32.8	17.8	−0.80	−	8.4	4.3/24.0	33781
2000 AA_{46}	2002 09 19.2	23 45.76	+07 24.3	19.4	−0.93	−	5.5	3.0/22.0	18224
2001 KJ_{17}	2002 09 19.2	23 45.81	−24 02.0	17.3	−0.80	−	3.9	7.6/11.5	33911
2000 AU_{91}	2002 09 19.2	23 45.81	+03 46.1	19.7	−0.85	−	5.2	1.6/21.0	*40434*
2000 YM_{105}	2002 09 19.2	23 45.82	−03 37.1	17.5	−0.97	−	4.6	0.8/18.6	33890
2000 GB_{167}	2002 09 19.2	23 45.97	+19 10.6	19.6	−0.98	−	1.1	6.3/25.5	2501
1999 XZ_{98}	2002 09 19.3	23 45.91	+04 58.7	18.2	−0.90	−	5.7	2.2/21.4	2222
1998 YS	2002 09 19.3	23 45.94	−07 15.2	18.5	−0.75	−	4.7	1.6/17.4	1437
1999 XN_{177}	2002 09 19.3	23 46.00	−07 09.2	18.2	−0.91	−	4.5	1.9/17.6	2702
2001 HF_{51}	2002 09 19.3	23 46.06	−00 42.2	19.3	−0.93	−	4.8	0.3/19.6	14434
2001 FU_{25}	2002 09 19.3	23 46.10	+04 51.0	20.3	−0.87	−	7.9	2.1/21.6	14421
2001 FM_{158}	2002 09 19.3	23 46.11	−04 09.0	17.4	−0.86	−	6.5	1.2/18.5	14271
1998 QD_{104}	2002 09 19.3	23 46.14	−10 17.6	17.5	−0.85	−	8.3	3.1/16.2	33773
1999 VZ_{84}	2002 09 19.3	23 46.16	−01 47.6	19.4	−0.96	−	6.3	0.1/19.3	11653
2000 EA_{119}	2002 09 19.3	23 46.20	−15 22.1	19.5	−0.81	−	5.2	4.0/14.6	2760
2000 FS_{13}	2002 09 19.3	23 46.26	−24 39.4	17.5	−0.83	−	6.0	7.2/10.8	2762
2001 FV_{122}	2002 09 19.3	23 46.34	−05 33.9	20.4	−0.95	−	5.0	1.5/18.1	13842
2000 DQ_{16}	2002 09 19.3	23 46.34	+17 29.8	18.1	−1.19	+	1.9	7.0/24.1	712
2001 LY_{9}	2002 09 19.4	23 46.25	−10 42.4	17.2	−0.66	−	6.7	3.5/16.0	33912
1999 XR_{73}	2002 09 19.4	23 46.29	−10 46.5	17.7	−0.89	−	5.3	4.6/16.3	33845
1999 CS_{47}	2002 09 19.4	23 46.37	−11 05.5	19.4	−0.68	−	7.1	2.4/15.9	4926
2001 FU_{54}	2002 09 19.4	23 46.44	−04 16.3	19.2	−0.91	−	6.3	1.0/18.5	12024
1999 XR_{52}	2002 09 19.4	23 46.46	+05 56.0	18.1	−0.95	−	6.1	2.8/21.8	33844
1998 SE_{126}	2002 09 19.4	23 46.50	−11 13.6	18.3	−0.93	−	5.4	3.3/16.2	33783
2000 DL_{110}	2002 09 19.4	23 46.51	−03 01.1	19.5	−0.82	−	4.1	0.5/19.0	*40471*
2000 CK_{90}	2002 09 19.4	23 46.54	−08 34.2	18.4	−0.84	−	4.6	2.4/17.2	31898
2000 AA_{66}	2002 09 19.4	23 46.57	−14 27.1	18.3	−0.89	−	6.4	4.8/15.0	*39571*
2001 HR_{37}	2002 09 19.4	23 46.69	−19 22.2	17.7	−0.90	−	0.8	5.8/14.3	15098

1999 VM_{96}	2002 09 19.4	23 46.70	−09 43.9	19.4	−1.04	−	4.3	3.4/17.0	11655
2000 CW_{112}	2002 09 19.5	23 46.65	−07 06.9	19.2	−0.84	−	6.2	1.8/17.6	380
1998 SK_{137}	2002 09 19.5	23 46.66	−11 13.1	18.7	−0.85	−	5.4	3.4/16.3	30286
2046 P-L	2002 09 19.5	23 46.67	+03 56.0	18.2	−0.84	−	4.6	2.2/21.3	32042
2001 KW_6	2002 09 19.5	23 46.67	+04 49.5	18.0	−0.78	−	6.2	2.2/21.7	23619
1998 XC_{55}	2002 09 19.5	23 46.70	−06 57.9	18.2	−0.79	−	4.9	1.8/17.7	33791
2001 FO_{50}	2002 09 19.5	23 46.71	+02 05.3	19.6	−0.86	−	5.2	1.1/20.7	13831
2000 DR_{48}	2002 09 19.5	23 46.72	+01 31.1	20.4	−0.82	−	4.3	0.9/20.5	10598
1999 TV_{211}	2002 09 19.5	23 46.73	−09 54.4	18.4	−0.95	−	6.8	3.8/16.7	11598
2000 DQ_{37}	2002 09 19.5	23 46.73	−00 34.8	18.0	−0.90	−	4.3	0.4/19.8	3517
2001 FT_{148}	2002 09 19.5	23 46.76	+13 33.6	17.2	−1.10	−	0.8	6.1/23.8	33906
2001 FC_{38}	2002 09 19.5	23 46.79	+05 27.5	19.4	−0.96	−	5.4	2.5/22.0	13829
2000 GU_{52}	2002 09 19.5	23 46.79	−10 10.1	17.6	−0.85	−	1.6	2.7/16.9	2464
2001 HK_2	2002 09 19.5	23 46.82	−09 03.5	19.1	−0.87	−	4.5	2.5/17.1	14428
2000 DB_{75}	2002 09 19.5	23 46.83	+00 28.9	19.4	−0.78	−	6.5	0.6/20.2	25771
1998 RY_{60}	2002 09 19.5	23 46.83	+03 48.2	16.5	−1.13	+	2.0	2.3/20.8	33776
2001 FG_{54}	2002 09 19.5	23 46.92	+10 20.6	18.9	−0.78	−	8.5	3.7/24.0	14422
2001 EQ_3	2002 09 19.5	23 46.96	−04 42.7	18.7	−0.98	−	7.2	1.4/18.5	11929
2000 AY_{202}	2002 09 19.5	23 46.96	+19 10.7	18.2	−0.85	−	5.4	6.9/26.8	33859
1998 HN_{122}	2002 09 19.5	23 46.98	−16 14.4	19.9	−0.99	−	6.1	5.8/14.8	27604
2001 HK_{48}	2002 09 19.6	23 47.00	−28 01.3	17.9	−0.95	−	3.1	9.5/10.8	33909
1994 CH_{14}	2002 09 19.6	23 47.01	−12 29.1	18.9	−0.97	−	6.2	4.1/16.0	14347
2001 KJ_{68}	2002 09 19.6	23 47.01	−03 39.0	19.6	−0.77	−	8.3	0.7/18.8	23620
2000 CT_{92}	2002 09 19.6	23 47.06	−03 27.3	17.3	−0.81	−	4.5	0.7/19.0	33863
2001 HD_{46}	2002 09 19.6	23 47.07	−19 35.6	19.7	−0.89	−	3.0	5.8/13.9	13857
2001 HB_{21}	2002 09 19.6	23 47.07	−16 06.5	20.3	−1.01	−	1.8	5.2/15.4	13434
2001 FV_{72}	2002 09 19.6	23 47.07	−05 56.0	18.8	−0.85	−	7.7	1.6/18.1	33904
2000 AU_{194}	2002 09 19.6	23 47.10	−01 17.3	19.5	−0.77	−	7.3	0.0/19.7	5695
1999 VO_{210}	2002 09 19.6	23 47.13	−10 28.2	19.1	−0.93	−	7.1	3.4/16.6	14154
2001 FD_{42}	2002 09 19.6	23 47.15	−01 10.4	17.0	−0.93	−	3.4	0.1/19.7	14929
1998 QL_6	2002 09 19.6	23 47.17	+00 29.2	18.0	−0.80	−	7.1	0.7/20.3	31819
1998 WU_{40}	2002 09 19.6	23 47.19	+17 53.7	17.8	−0.98	−	1.2	7.5/25.5	33061
2001 MC_{11}	2002 09 19.6	23 47.25	+11 39.2	18.1	−0.77	−	3.2	3.7/23.9	33912
2000 AX_{14}	2002 09 19.6	23 47.27	+05 56.8	17.3	−0.97	−	5.3	2.9/22.0	14176
2000 FT_{42}	2002 09 19.6	23 47.33	−05 44.2	18.2	−0.76	−	4.9	1.3/18.2	33872
2000 EZ_{144}	2002 09 19.6	23 47.36	+03 33.2	19.0	−0.66	−	7.4	1.3/21.5	1582
2000 EX	2002 09 19.7	23 47.33	+01 46.5	17.8	−0.75	−	8.6	1.1/20.8	33867
2001 HO_{20}	2002 09 19.7	23 47.34	+16 54.0	18.9	−0.79	−	8.0	6.2/26.6	15097
2000 DR	2002 09 19.7	23 47.34	−13 50.4	18.6	−0.87	−	6.5	4.1/15.4	710
2000 HN_9	2002 09 19.7	23 47.36	−04 44.7	19.5	−0.71	−	4.6	0.9/18.6	31909
2001 FP_{51}	2002 09 19.7	23 47.41	−04 36.7	19.3	−0.92	−	5.6	1.2/18.7	13831
2000 AD_{67}	2002 09 19.7	23 47.41	−10 38.0	19.4	−0.77	−	5.4	2.6/16.6	18225
2000 FE_{20}	2002 09 19.7	23 47.44	−10 38.6	19.2	−0.71	−	6.9	2.6/16.4	741
2002 NR_{32}	2002 09 19.7	23 47.48	+06 12.3	17.2	−0.55	−14.4		3.2/23.0	33674
1999 WX_2	2002 09 19.7	23 47.53	−04 05.3	17.8	−0.82	−	6.2	1.4/18.8	33841
2000 EV_{114}	2002 09 19.7	23 47.58	−00 21.6	18.4	−0.81	−	8.2	0.4/20.1	18242
2000 EJ_{123}	2002 09 19.7	23 47.59	−05 57.9	17.9	−0.77	−	5.3	1.4/18.2	3538
2001 FZ_{15}	2002 09 19.7	23 47.61	−03 32.6	19.2	−1.07	−	3.0	0.8/19.1	13825
2001 FM_{23}	2002 09 19.7	23 47.66	−03 32.5	18.3	−0.85	−	8.4	0.8/19.0	13826
1999 VR_{77}	2002 09 19.7	23 47.68	+02 06.5	18.8	−0.98	−	5.6	1.3/20.9	12994
2000 AJ_{233}	2002 09 19.7	23 47.73	−07 48.7	17.8	−0.94	−	4.0	2.3/17.8	2727
2000 AM_{90}	2002 09 19.8	23 47.72	+00 50.1	16.3	−0.77	−	6.5	1.0/20.6	33855
1994 VY_6	2002 09 19.8	23 47.73	+05 53.0	16.8	−0.71	−	4.4	3.6/22.3	33756
1999 BY_8	2002 09 19.8	23 47.75	−05 23.3	17.4	−0.74	−	5.2	1.3/18.4	33794
2001 HH_{10}	2002 09 19.8	23 47.84	−23 58.2	17.3	−0.83	−	2.7	7.2/12.4	33908
2001 NH_7	2002 09 19.8	23 47.85	+09 33.6	19.0	−0.72	−13.3		3.6/24.2	19943
1999 XX_6	2002 09 19.8	23 47.87	−04 32.6	19.7	−0.95	−	5.2	1.1/18.8	17096
2001 DX_{82}	2002 09 19.8	23 47.87	−02 17.3	18.6	−1.04	−	5.1	0.4/19.5	22766
2001 EE_{11}	2002 09 19.8	23 47.89	−08 18.7	18.4	−0.89	−	8.4	2.6/17.4	13820
1998 YC_{10}	2002 09 19.8	23 47.99	−12 08.1	18.8	−0.78	−	4.3	3.2/16.3	1066
2000 DC_{56}	2002 09 19.8	23 48.02	+04 25.9	18.4	−1.05	+	0.3	2.3/21.4	31900
1999 CZ_{122}	2002 09 19.8	23 48.09	−11 10.5	18.7	−0.84	−	2.1	2.7/16.8	22074
1998 SS_{93}	2002 09 19.8	23 48.11	−06 22.4	19.0	−1.00	−	1.5	2.0/18.5	19347
1999 TU_{155}	2002 09 19.9	23 48.11	−09 41.1	17.3	−0.96	−	5.0	4.0/17.3	12173
2001 HD_{38}	2002 09 19.9	23 48.11	−17 29.0	19.3	−0.81	−	5.3	4.7/14.4	15098
2000 CO_{53}	2002 09 19.9	23 48.13	−08 43.2	17.5	−0.67	−	9.4	2.2/17.1	33862
2001 KF_5	2002 09 19.9	23 48.14	+01 02.4	19.3	−0.83	−	6.7	0.8/20.7	16096
2000 CD_{122}	2002 09 19.9	23 48.22	−06 06.6	19.1	−0.86	−	6.8	2.0/18.3	14398
1999 WJ_{25}	2002 09 19.9	23 48.22	+05 01.6	20.2	−0.92	−	6.9	2.3/22.1	17095
2000 EF_{133}	2002 09 19.9	23 48.22	−02 10.3	18.8	−0.95	−	3.7	0.3/19.7	31904
1999 XY_{67}	2002 09 19.9	23 48.27	−14 25.3	19.6	−0.93	−	5.6	4.7/15.6	14161
1992 SS_{17}	2002 09 19.9	23 48.28	−00 48.0	17.9	−0.76	−	5.5	0.1/20.1	13536
2000 AM_{78}	2002 09 19.9	23 48.29	−15 08.5	17.3	−0.82	−	7.3	6.2/15.0	14183
1999 CN_{52}	2002 09 19.9	23 48.31	−20 54.9	18.9	−0.76	−	6.6	5.3/12.6	23474
1997 MR_9	2002 09 19.9	23 48.35	−00 16.3	18.6	−0.74	−	8.8	0.3/20.3	16010
1999 XM_{120}	2002 09 19.9	23 48.37	−01 03.5	19.5	−1.02	−	4.7	0.1/20.0	6978
2000 AT_{124}	2002 09 19.9	23 48.38	+10 35.2	18.5	−0.89	−	5.5	5.3/23.9	19481
2001 FC_{52}	2002 09 19.9	23 48.40	−02 55.1	18.9	−0.90	−	7.3	0.6/19.4	14422
1992 RR_3	2002 09 19.9	23 48.46	+04 08.0	17.1	−1.07	−	1.8	2.6/21.5	1410
1998 SS_{83}	2002 09 20.0	23 48.42	+00 12.5	18.1	−0.82	−	6.0	0.6/20.5	31833
1999 XF_{30}	2002 09 20.0	23 48.49	−14 03.0	18.3	−0.92	−	6.9	4.9/15.6	33843
2000 FD_{52}	2002 09 20.0	23 48.49	−00 39.4	19.3	−0.75	−	5.1	0.2/20.2	7019
1998 RV_{48}	2002 09 20.0	23 48.61	+01 46.7	18.4	−0.86	−	6.1	1.1/21.0	*40334*
1998 ST_{124}	2002 09 20.0	23 48.62	−08 38.9	19.2	−0.94	−	2.8	2.7/17.8	31835
2000 DW_{70}	2002 09 20.0	23 48.64	−00 00.3	18.7	−0.74	−	5.0	0.4/20.5	10952
2001 HT_{47}	2002 09 20.0	23 48.65	+13 26.3	19.1	−0.85	−	6.1	5.0/25.2	17604
1999 XL_{39}	2002 09 20.0	23 48.66	+00 38.4	18.5	−0.90	−	7.2	0.6/20.7	2696
1993 TF_{16}	2002 09 20.0	23 48.68	+03 58.6	18.2	−0.68	−10.6		2.0/22.1	1414
1998 XD_{62}	2002 09 20.0	23 48.72	+05 05.3	18.5	−0.79	−	6.3	2.3/22.3	23466
1998 SE_{127}	2002 09 20.0	23 48.73	−12 04.4	18.2	−0.92	−	2.8	4.8/16.7	30286
1998 UB_{12}	2002 09 20.0	23 48.81	−00 41.9	19.5	−0.80	−	6.4	0.2/20.3	228
2000 YK_{105}	2002 09 20.1	23 48.76	−34 27.9	18.7	−0.99	−13.7		13.4/05.2	12265
2000 GC_{17}	2002 09 20.1	23 48.78	−07 13.6	19.0	−0.84	−	2.5	1.8/18.3	26948
6070 P-L	2002 09 20.1	23 48.78	+00 41.4	17.5	−0.83	−	4.5	0.7/20.7	819
2000 EN_{88}	2002 09 20.1	23 48.79	+10 48.2	17.4	−0.73	−	6.0	3.6/24.4	14844
2000 YC_{105}	2002 09 20.1	23 48.83	+15 56.2	18.5	−0.98	−	5.7	5.6/26.0	25895
3219 T-3	2002 09 20.1	23 48.84	−00 35.8	18.9	−0.75	−	5.2	0.2/20.3	591
2001 FP_{78}	2002 09 20.1	23 48.99	+02 46.3	18.4	−0.77	−	8.9	1.3/21.6	15096
1999 XE_{28}	2002 09 20.1	23 48.99	−14 35.2	19.7	−0.97	−	5.1	4.6/15.8	15052
2000 CK_{65}	2002 09 20.1	23 49.07	−00 47.5	18.2	−0.84	−	4.2	0.1/20.3	14396
2000 EF_{119}	2002 09 20.1	23 49.14	−19 57.6	19.2	−0.80	−	6.6	5.5/13.3	2760
2000 AW_{174}	2002 09 20.1	23 49.14	−04 00.5	17.9	−0.85	−	8.6	1.0/19.2	33858

2001 FO_{55}	2002 09 20.1	23 49.18	+06 53.8	19.5	−0.81	−	5.4	2.3/22.9	14422
2000 CB_{23}	2002 09 20.1	23 49.19	+08 57.2	17.8	−0.88	−	5.2	4.6/23.5	20748
1991 RA_{11}	2002 09 20.2	23 49.14	−13 13.2	16.7	−0.85	−	1.5	3.3/16.6	33752
2000 DT_{103}	2002 09 20.2	23 49.22	−03 59.4	18.0	−0.94	−	1.4	1.0/19.4	33867
1999 WJ_{14}	2002 09 20.2	23 49.24	−08 06.8	20.1	−0.98	−	5.4	2.7/18.1	1545
2000 XX_{13}	2002 09 20.2	23 49.25	−12 06.8	17.2	−1.59	+	4.2	5.3/18.2	33888
1999 XK_{175}	2002 09 20.2	23 49.33	−11 21.0	17.4	−0.94	−	2.2	5.1/17.2	13637
2001 KL_{7}	2002 09 20.2	23 49.37	+05 53.1	19.2	−0.87	−	7.9	2.6/22.7	15100
2000 FO_{44}	2002 09 20.2	23 49.39	−07 55.7	18.2	−0.73	−	3.8	1.8/18.0	1589
1982 VN_{2}	2002 09 20.2	23 49.40	+10 30.8	16.8	−1.08	+	1.0	5.1/23.2	33750
1999 CN_{10}	2002 09 20.2	23 49.44	−02 14.9	18.3	−0.75	−	5.1	0.3/19.9	1441
1996 GP_{7}	2002 09 20.2	23 49.48	−07 46.1	19.3	−0.85	−	3.8	2.3/18.2	30250
1999 CK_{104}	2002 09 20.2	23 49.49	−00 08.1	18.6	−0.75	−	4.8	0.3/20.6	2019
1999 XS_{132}	2002 09 20.2	23 49.52	+03 48.9	17.4	−1.01	−	3.3	1.9/21.7	33848
2000 GX_{159}	2002 09 20.2	23 49.54	+02 12.9	18.6	−0.79	−	2.8	1.0/21.4	19639
1999 XF_{15}	2002 09 20.3	23 49.53	+38 18.9	18.3	−1.46	+	5.2	16.1/28.9	*39557*
2001 EK_{8}	2002 09 20.3	23 49.58	−07 21.3	18.0	−0.81	−	7.6	2.5/18.2	33900
1998 KK_{28}	2002 09 20.3	23 49.69	−16 16.9	19.2	−1.03	−	3.7	6.3/15.8	11494
1981 EJ_{14}	2002 09 20.3	23 49.74	+05 53.1	20.1	−0.94	−	4.1	2.4/22.5	*26917*
2001 FC_{47}	2002 09 20.3	23 49.74	−04 06.7	20.2	−0.95	−	5.1	1.1/19.4	13300
1998 VR_{5}	2002 09 20.3	23 49.83	−01 16.2	15.8	−0.84	−	0.3	0.1/20.3	33057
2000 FX_{32}	2002 09 20.3	23 49.87	−29 17.3	18.4	−0.96	+	0.6	8.4/11.9	33872
2000 EC_{123}	2002 09 20.4	23 49.92	−19 51.4	17.6	−0.81	−	3.0	6.0/14.2	31904
2000 JT_{62}	2002 09 20.4	23 49.93	−16 10.0	16.8	−0.96	+	0.4	4.9/16.2	1363
2000 EU_{116}	2002 09 20.4	23 49.95	+08 42.8	17.7	−0.70	−	5.7	2.7/23.9	33869
1999 CT_{1}	2002 09 20.4	23 50.01	−00 08.1	19.2	−0.85	−	1.6	0.3/20.7	4925
1993 TO_{15}	2002 09 20.4	23 50.08	+00 08.8	17.7	−0.79	−	6.1	0.4/20.9	31803
1999 XW_{140}	2002 09 20.4	23 50.08	+04 19.9	19.5	−0.87	−	5.6	1.9/22.2	14168
1998 QS_{105}	2002 09 20.4	23 50.10	−10 27.8	17.9	−0.81	−	7.1	3.9/17.1	31823
2000 FF_{31}	2002 09 20.4	23 50.18	−16 43.6	18.4	−0.75	−	4.5	4.4/15.1	744
2002 LE_{35}	2002 09 20.5	23 50.22	+19 03.4	16.9	−0.81	−	4.2	9.0/27.6	33615
1998 TO_{30}	2002 09 20.5	23 50.25	+02 22.0	18.1	−0.82	−	6.9	1.3/21.7	6219
2000 BH_{28}	2002 09 20.5	23 50.29	−10 09.7	19.6	−0.88	−	7.3	3.4/17.4	2731
2000 EM_{17}	2002 09 20.5	23 50.34	+02 59.8	18.6	−0.86	−	6.3	1.5/21.9	31902
1997 HA_{3}	2002 09 20.5	23 50.41	+03 26.7	19.5	−0.92	−	8.5	1.8/22.0	16755
2001 FG_{129}	2002 09 20.5	23 50.44	+04 08.5	19.0	−0.78	−	9.5	1.6/22.5	14424
1997 GE_{1}	2002 09 20.5	23 50.44	+00 40.0	17.8	−0.80	−	6.9	0.8/21.1	27589
2001 KZ_{15}	2002 09 20.5	23 50.46	−29 53.5	19.1	−0.86	−	2.2	8.2/11.0	15100
1998 VQ_{13}	2002 09 20.5	23 50.46	+01 35.9	18.4	−0.87	−	4.8	1.1/21.4	31842
1998 SY	2002 09 20.5	23 50.59	−05 43.6	17.4	−0.90	−	3.5	1.9/19.1	12137
2001 FH_{55}	2002 09 20.5	23 50.61	−05 07.3	19.2	−0.91	−	2.8	1.4/19.4	18314
1999 AM_{28}	2002 09 20.6	23 50.59	−05 25.7	19.0	−0.86	−	4.8	1.5/19.2	14372
2000 CX_{75}	2002 09 20.6	23 50.60	−28 31.5	18.3	−0.98	−	4.4	11.0/10.5	2739
2001 FW_{80}	2002 09 20.6	23 50.62	−03 27.3	17.8	−1.06	−	1.9	0.9/19.9	30454
2000 BJ_{34}	2002 09 20.6	23 50.65	−27 38.2	18.5	−0.79	−	9.2	8.8/09.7	14393
2001 EK_{7}	2002 09 20.6	23 50.68	−07 43.9	18.7	−0.92	−	6.9	2.6/18.4	13819
2000 BE_{27}	2002 09 20.6	23 50.68	−05 49.7	18.8	−0.88	−	4.6	1.6/19.1	31896
2000 EW_{3}	2002 09 20.6	23 50.70	+00 46.4	17.6	−0.71	−	7.4	0.5/21.3	1571
2000 ET_{108}	2002 09 20.6	23 50.71	−01 49.9	19.7	−0.79	−14.1		0.2/20.3	730
2000 CG_{53}	2002 09 20.6	23 50.78	+09 49.3	18.5	−1.03	−	1.2	4.1/23.6	31897
1998 TM_{30}	2002 09 20.6	23 50.79	+02 54.7	17.2	−0.75	−	6.3	1.7/22.0	33785
2001 FM_{83}	2002 09 20.6	23 50.79	−00 05.3	19.9	−1.00	−	4.9	0.4/20.9	13324
1999 XB_{97}	2002 09 20.6	23 50.80	+08 55.1	17.7	−0.92	−	5.6	3.4/23.9	33846
2000 DR_{101}	2002 09 20.6	23 50.81	−05 39.9	16.8	−1.08	+	2.1	2.0/19.5	33867
1998 WP_{3}	2002 09 20.6	23 50.86	−06 03.5	17.8	−0.77	−	5.3	1.6/19.0	33789
1999 VH_{26}	2002 09 20.6	23 50.87	+01 02.7	19.2	−0.92	−	6.4	0.7/21.3	15051
2001 FF_{149}	2002 09 20.6	23 50.90	−03 39.2	20.0	−0.90	−	4.5	0.9/19.8	14425
2000 EJ_{31}	2002 09 20.6	23 50.93	−15 50.3	19.1	−0.80	−	7.6	4.8/15.2	20755
1999 VR_{8}	2002 09 20.6	23 50.94	−16 38.7	17.4	−0.93	−	5.3	7.2/15.4	33836
1992 DR_{6}	2002 09 20.6	23 50.99	−04 53.5	19.0	−0.86	−	5.7	1.4/19.4	20673
2000 CT_{26}	2002 09 20.7	23 50.94	+01 50.4	18.4	−0.77	−	5.4	0.9/21.7	14394
2001 FX_{86}	2002 09 20.7	23 50.96	−20 16.0	17.8	−1.01	+	0.4	7.8/15.5	33904
2000 CZ	2002 09 20.7	23 50.96	−06 06.0	17.9	−0.80	−	6.5	1.9/19.0	31896
2000 EU_{81}	2002 09 20.7	23 50.99	−07 31.0	18.2	−0.82	−	5.2	2.1/18.5	31903
1998 MO_{5}	2002 09 20.7	23 51.13	−45 41.3	17.0	−0.71	−	5.6	19.7/02.0	31818
1998 ST_{119}	2002 09 20.7	23 51.14	−08 24.5	18.0	−0.89	−	4.7	2.6/18.4	31835
2001 FG_{42}	2002 09 20.7	23 51.25	−00 10.7	17.6	−0.89	−	4.0	0.3/21.0	13829
2001 KG_{61}	2002 09 20.7	23 51.31	−14 01.6	19.6	−0.81	−	5.9	4.3/16.3	14323
2000 EV_{161}	2002 09 20.7	23 51.31	−09 06.9	17.4	−0.70	−12.4		3.0/17.5	33871
2001 CS_{35}	2002 09 20.7	23 51.47	−03 15.0	17.1	−2.09	+16.5		1.3/20.7	33896
2000 EO_{89}	2002 09 20.8	23 51.27	−04 20.8	18.5	−0.80	−	4.4	1.1/19.7	23518
2001 HB_{67}	2002 09 20.8	23 51.28	+01 48.4	19.8	−0.90	−	6.0	0.9/21.7	23619
2000 DJ_{100}	2002 09 20.8	23 51.32	−09 16.2	20.5	−0.86	−	5.2	2.6/18.1	5710
2001 HW_{65}	2002 09 20.8	23 51.38	+05 27.5	19.2	−0.87	−	7.7	2.3/23.0	14436
1993 FK_{24}	2002 09 20.8	23 51.42	+00 28.9	18.7	−0.97	−	4.9	0.5/21.3	8002
2001 GQ_{8}	2002 09 20.8	23 51.43	−11 26.8	19.9	−0.93	−	6.9	3.8/17.3	17599
1999 AR_{30}	2002 09 20.8	23 51.51	−01 09.5	18.0	−0.76	−	5.1	0.1/20.8	10876
1999 XY_{102}	2002 09 20.8	23 51.54	−23 15.0	19.0	−0.89	−	4.5	7.0/13.2	33847
1998 SK_{30}	2002 09 20.8	23 51.55	−01 56.1	20.3	−0.88	−	5.1	0.4/20.5	12896
1997 PJ	2002 09 20.8	23 51.66	+01 26.4	18.4	−0.75	−	8.3	0.8/22.0	33762
1999 TP_{195}	2002 09 20.8	23 51.67	+03 53.4	18.9	−1.03	−	4.5	1.8/22.3	14143
1999 XU_{44}	2002 09 20.9	23 51.68	−10 29.6	19.2	−1.00	−	4.7	3.6/17.9	13038
1999 CW_{37}	2002 09 20.9	23 51.78	−04 42.1	19.3	−0.71	−	4.7	1.0/19.6	33797
1999 XY_{57}	2002 09 20.9	23 51.84	+08 57.3	17.3	−0.80	−	9.0	4.7/24.6	33845
2000 AY_{96}	2002 09 20.9	23 51.86	−15 49.5	17.8	−0.80	−	5.7	4.5/15.7	33855
2000 XW_{13}	2002 09 20.9	23 51.86	−37 02.4	18.3	−1.08	−	4.1	12.0/07.7	14417
2001 KV_{13}	2002 09 20.9	23 51.92	−01 51.4	18.2	−0.75	−	4.5	0.3/20.6	16096
2000 GO_{78}	2002 09 20.9	23 51.95	−10 17.0	18.8	−0.84	−	2.4	2.8/18.1	33873
2000 GL_{71}	2002 09 20.9	23 52.01	−01 17.1	19.7	−0.81	−	6.2	0.1/20.8	31907
2001 DD_{70}	2002 09 20.9	23 52.06	+05 21.3	19.3	−1.04	−	3.2	2.2/22.8	11898
1995 SJ_{42}	2002 09 21.0	23 52.05	−03 43.2	18.3	−0.77	−	7.4	1.4/20.0	20681
2000 EV_{3}	2002 09 21.0	23 52.12	+00 17.0	19.5	−0.82	−	5.2	0.4/21.4	26934
1998 SX_{119}	2002 09 21.0	23 52.25	−10 23.4	19.5	−0.93	−	3.4	3.2/18.2	14364
1999 XS_{227}	2002 09 21.0	23 52.27	−07 49.7	19.1	−0.91	−	6.6	3.0/18.7	14803
2000 KG_{52}	2002 09 21.0	23 52.39	−04 06.6	20.0	−0.72	−	4.9	0.9/20.0	5769
1999 XZ_{63}	2002 09 21.0	23 52.39	−04 42.1	17.7	−0.82	−	9.3	1.7/19.7	11699
2001 HE_{36}	2002 09 21.1	23 52.36	+00 05.8	19.3	−0.98	−	4.8	0.3/21.4	13457
2000 AG_{9}	2002 09 21.1	23 52.41	+08 22.1	17.6	−1.02	−	3.1	4.3/23.8	2708
1999 CT_{19}	2002 09 21.1	23 52.41	−07 35.7	19.4	−0.73	−	5.5	1.9/18.8	33795
2000 CX_{100}	2002 09 21.1	23 52.41	+02 38.6	17.8	−0.89	−	4.7	1.5/22.2	13657
1988 QO	2002 09 21.1	23 52.43	+07 29.0	17.5	−0.90	−	6.3	4.0/24.0	33751
1998 RU_{5}	2002 09 21.1	23 52.43	−01 13.7	17.4	−0.75	−10.1		0.2/21.0	33774

2000 ER_{136}	2002 09 21.1	23 52.48	−05 13.5	19.3	−0.95	− 4.1	1.5/19.8	2425
2001 FA_{5}	2002 09 21.1	23 52.49	−05 21.8	17.5	−0.96	− 4.5	2.0/19.7	14420
2001 FD_{3}	2002 09 21.1	23 52.50	−04 10.7	19.6	−0.97	− 5.3	1.3/20.1	17571
1998 QE_{40}	2002 09 21.1	23 52.52	+01 19.5	17.3	−0.85	− 7.3	0.9/21.9	25715
1997 WE_{15}	2002 09 21.1	23 52.59	−01 36.3	17.4	−0.76	− 4.5	0.3/20.9	1014
1993 TS_{31}	2002 09 21.1	23 52.65	−04 01.1	18.1	−0.77	− 6.7	1.2/20.0	*40304*
1999 XS_{192}	2002 09 21.1	23 52.72	+00 46.6	17.7	−1.04	− 2.8	0.6/21.6	2703
2000 EC_{41}	2002 09 21.1	23 52.74	−05 38.0	18.9	−0.82	− 2.6	1.4/19.7	19536
3247 T-3	2002 09 21.2	23 52.71	−01 36.9	18.3	−0.82	− 7.9	0.4/20.9	15125
2001 FW_{172}	2002 09 21.2	23 52.82	−20 02.7	17.5	−0.76	− 4.6	6.3/14.6	33907
2001 KO_{12}	2002 09 21.2	23 52.85	+35 03.3	18.6	−0.89	− 6.9	10.6/06.8	15100
1998 QL_{14}	2002 09 21.2	23 52.86	+04 45.3	17.7	−0.81	− 8.0	2.4/23.2	31819
2001 GB_{5}	2002 09 21.2	23 52.86	−15 55.9	18.6	−0.76	− 9.4	5.6/15.5	18316
1998 SW_{36}	2002 09 21.2	23 52.91	−03 05.2	19.1	−0.92	− 4.2	0.8/20.5	3254
1998 HB_{102}	2002 09 21.2	23 52.91	−10 57.5	18.9	−1.07	− 3.8	3.9/18.3	33767
1999 AZ_{7}	2002 09 21.2	23 52.92	+23 54.6	17.2	−0.98	+ 0.4	7.3/28.7	33792
1999 VB_{29}	2002 09 21.2	23 52.93	−00 45.2	17.7	−0.95	− 5.7	0.0/21.3	13620
2000 EK_{9}	2002 09 21.2	23 52.93	−04 37.7	18.4	−0.73	− 5.0	1.2/19.9	14401
2000 ER_{66}	2002 09 21.2	23 52.94	−05 22.7	17.7	−0.80	− 4.6	1.6/19.7	2406
1998 SV_{147}	2002 09 21.2	23 53.02	−13 05.2	18.6	−0.98	− 2.0	4.1/17.6	31836
2001 FM_{107}	2002 09 21.2	23 53.02	−03 07.3	19.9	−1.05	− 4.0	0.9/20.6	13334
2001 FB_{16}	2002 09 21.2	23 53.04	−00 58.7	18.9	−0.82	− 7.2	0.1/21.2	13825
2000 EO_{91}	2002 09 21.2	23 53.14	+05 40.9	18.8	−0.79	− 6.5	2.1/23.5	31903
1999 XW_{173}	2002 09 21.3	23 53.09	−05 06.3	17.9	−1.00	− 3.6	1.8/20.0	*38605*
2000 DN_{60}	2002 09 21.3	23 53.14	−00 10.4	19.0	−0.84	− 4.1	0.2/21.5	20752
1998 VN_{12}	2002 09 21.3	23 53.16	−01 40.6	17.4	−0.74	− 8.3	0.4/21.0	31842
2000 GR_{71}	2002 09 21.3	23 53.18	−02 02.6	16.8	−0.69	− 5.1	0.4/20.9	1602
2000 DC_{16}	2002 09 21.3	23 53.19	−01 17.5	18.2	−0.89	− 3.0	0.2/21.2	33865
1999 XE_{173}	2002 09 21.3	23 53.22	−20 10.7	17.9	−0.99	− 4.2	7.6/14.9	2702
2001 KG_{33}	2002 09 21.3	23 53.37	−16 09.9	18.2	−0.72	− 5.2	4.6/16.0	14304
2001 FS_{30}	2002 09 21.4	23 53.42	−05 39.4	18.1	−0.87	− 7.1	2.0/19.7	11991
2000 AC_{149}	2002 09 21.4	23 53.43	−03 59.9	17.1	−0.81	−10.2	1.4/20.2	*38881*
2001 EL_{9}	2002 09 21.4	23 53.45	−02 40.5	17.6	−1.04	− 1.8	1.0/20.9	11940
2000 AG_{131}	2002 09 21.4	23 53.45	+16 49.9	18.5	−0.97	− 2.7	5.9/26.8	*40438*
1997 DL	2002 09 21.4	23 53.49	+04 16.7	18.5	−1.03	− 4.5	1.9/22.9	*40315*
1999 XP_{2}	2002 09 21.4	23 53.51	−06 23.5	21.1	−0.94	− 5.9	2.0/19.6	14797
2000 CC_{62}	2002 09 21.4	23 53.52	+06 49.7	18.4	−0.79	− 6.1	2.5/24.0	33863
1994 EA_{2}	2002 09 21.4	23 53.62	+00 36.9	19.0	−0.94	− 8.8	0.4/21.9	*36883*
2001 FB_{11}	2002 09 21.4	23 53.64	−01 14.4	18.1	−1.03	− 2.4	0.2/21.3	33901
1994 PN_{7}	2002 09 21.4	23 53.66	−05 07.1	18.3	−0.81	− 8.7	1.7/19.9	9677
1998 TD_{13}	2002 09 21.4	23 53.70	−03 38.1	18.1	−0.85	− 4.5	1.1/20.5	14125
2000 ES_{136}	2002 09 21.4	23 53.73	−04 26.1	19.4	−0.79	− 4.5	1.1/20.2	31904
3326 T-3	2002 09 21.4	23 53.83	+05 30.2	17.3	−0.80	−11.7	2.5/23.9	12344
1999 VM_{111}	2002 09 21.5	23 53.79	+10 55.8	18.2	−0.86	− 8.2	5.2/25.7	11659
3300 T-3	2002 09 21.5	23 53.86	−00 08.0	19.3	−0.78	− 4.7	0.2/21.7	2805
2001 FF_{87}	2002 09 21.5	23 53.88	−12 58.1	19.5	−0.91	− 5.8	4.5/17.5	13837
1999 CK_{28}	2002 09 21.5	23 54.02	−27 50.4	17.3	−0.70	− 7.2	7.9/10.5	33796
2000 AP_{85}	2002 09 21.5	23 54.06	−03 06.1	19.7	−0.83	− 6.2	0.8/20.7	13645
1999 CZ_{115}	2002 09 21.5	23 54.10	+02 16.4	17.1	−0.67	− 6.8	0.9/22.6	33801
2000 EV_{185}	2002 09 21.5	23 54.12	−01 46.4	19.2	−0.83	− 5.5	0.4/21.2	2434
2001 BE_{59}	2002 09 21.5	23 54.14	−05 50.6	18.7	−0.95	− 7.7	2.0/19.8	12279
1999 XS	2002 09 21.6	23 54.14	+06 18.1	18.8	−0.90	− 7.0	2.6/23.9	14378
2001 JY_{6}	2002 09 21.6	23 54.23	−04 33.9	20.0	−0.90	− 6.6	1.4/20.3	19936
1981 EJ_{40}	2002 09 21.6	23 54.24	+21 45.6	16.9	−1.90	+16.7	11.1/22.8	33750
2001 FB_{70}	2002 09 21.6	23 54.25	−05 42.1	19.6	−0.88	− 7.4	1.7/19.9	15096
2000 BY_{25}	2002 09 21.6	23 54.27	−05 31.5	18.6	−0.84	− 5.8	1.6/20.0	16048
1997 WH	2002 09 21.6	23 54.29	+13 27.8	18.8	−0.70	− 5.3	3.9/26.7	15027
2000 AD_{65}	2002 09 21.6	23 54.34	−13 48.3	18.5	−0.83	− 7.0	4.7/17.0	33854
2001 FT_{103}	2002 09 21.6	23 54.35	−04 52.7	19.0	−0.86	− 9.8	1.8/20.1	12071
1995 UX_{76}	2002 09 21.6	23 54.36	+02 46.3	20.4	−0.90	− 7.5	1.3/22.8	20682
1981 EL_{45}	2002 09 21.6	23 54.38	+08 27.2	19.2	−0.88	− 5.9	3.1/24.7	*26923*
2000 EH_{146}	2002 09 21.6	23 54.45	+09 58.0	18.8	−0.76	−10.2	3.6/25.7	31904
1999 YX_{22}	2002 09 21.6	23 54.46	−06 32.9	17.4	−0.95	− 3.4	2.8/19.9	19471
2001 HL_{28}	2002 09 21.6	23 54.46	−00 42.3	18.8	−0.75	− 4.9	7.8/12.0	14431
2001 HQ_{13}	2002 09 21.6	23 54.48	−25 36.5	17.1	−0.86	− 3.6	9.7/13.1	33908
2000 FE_{41}	2002 09 21.6	23 54.49	+00 18.8	18.1	−0.69	−10.9	8.8/02.0	33228
1998 TO_{5}	2002 09 21.6	23 54.50	+10 10.2	17.0	−0.76	− 9.5	4.0/25.7	33785
1994 ER_{5}	2002 09 21.6	23 54.51	−04 52.5	18.3	−1.00	− 5.0	1.6/20.4	13540
1999 CE_{133}	2002 09 21.6	23 54.52	+00 01.2	17.9	−0.75	− 4.7	8.9/02.0	12922
2001 HT_{53}	2002 09 21.6	23 54.55	+11 17.2	18.7	−0.76	− 7.5	4.5/26.1	33414
1998 VL_{1}	2002 09 21.7	23 54.51	+34 46.0	17.1	−0.79	−10.5	13.4/07.2	33787
1999 UX_{23}	2002 09 21.7	23 54.56	+05 59.9	18.3	−1.06	− 4.2	2.8/23.7	33835
2001 HH_{16}	2002 09 21.7	23 54.59	−01 32.4	20.2	−0.81	− 7.8	0.3/21.4	14430
1999 XR_{1}	2002 09 21.7	23 54.63	−37 34.1	19.5	−0.90	− 3.5	9.4/08.0	14378
1998 WC_{4}	2002 09 21.7	23 54.65	−02 21.6	17.9	−0.89	− 3.0	0.6/21.2	235
2000 ER_{41}	2002 09 21.7	23 54.66	−06 36.8	19.8	−0.79	− 2.7	1.7/19.8	5715
1997 MJ_{6}	2002 09 21.7	23 54.69	−13 58.8	18.7	−0.83	− 5.6	5.3/17.2	30255
2000 GG_{106}	2002 09 21.7	23 54.70	−11 26.0	18.3	−0.85	− 1.5	3.0/18.5	33874
2001 DX_{26}	2002 09 21.7	23 54.75	−04 50.9	19.8	−0.98	− 6.9	1.6/20.4	13255
4072 T-2	2002 09 21.7	23 54.85	−07 19.3	18.1	−1.00	− 1.8	3.5/19.9	18513
2000 JZ_{9}	2002 09 21.7	23 54.88	+03 25.2	19.4	−0.65	− 8.5	1.0/23.3	26961
2000 AA_{116}	2002 09 21.7	23 54.89	+18 32.0	18.5	−0.89	− 4.2	5.9/28.3	33856
1999 XD_{249}	2002 09 21.7	23 54.91	−05 52.1	18.6	−0.89	− 7.8	2.1/20.0	17118
1999 XY_{32}	2002 09 21.7	23 54.92	+11 41.9	18.7	−0.89	− 5.0	4.0/25.8	33844
1998 VY_{41}	2002 09 21.8	23 54.87	−06 00.0	19.3	−0.80	− 6.1	2.1/19.9	*33710*
2000 FE	2002 09 21.8	23 54.99	−04 34.2	18.9	−0.74	− 4.6	1.1/20.5	33871
2000 AV_{54}	2002 09 21.8	23 55.04	−13 39.6	18.9	−0.89	− 6.8	5.1/17.3	*40430*
2000 DL_{54}	2002 09 21.8	23 55.06	−02 21.8	19.6	−0.77	− 6.5	0.6/21.2	2750
2001 FP_{138}	2002 09 21.8	23 55.08	−01 17.2	19.7	−0.92	− 3.9	9.7/12.0	13349
2000 KU_{40}	2002 09 21.8	23 55.14	+00 19.7	20.5	−0.72	− 4.8	0.2/22.2	33877
2001 KR_{9}	2002 09 21.8	23 55.26	−10 41.1	20.7	−0.87	− 5.2	3.1/18.6	14440
2000 GF_{70}	2002 09 21.9	23 55.24	−15 48.8	18.0	−0.86	− 1.4	4.3/17.2	1601
2000 GN_{101}	2002 09 21.9	23 55.24	+07 01.2	17.9	−0.68	− 7.6	2.2/24.7	33874
2000 EG_{60}	2002 09 21.9	23 55.26	+00 22.1	18.4	−0.70	− 7.6	0.3/22.2	5719
1999 VT_{160}	2002 09 21.9	23 55.26	+02 01.6	18.7	−0.98	− 6.0	1.1/22.7	13003
2001 FE_{98}	2002 09 21.9	23 55.29	−15 04.5	17.2	−0.81	− 8.9	5.9/16.5	14424
1997 AV_{5}	2002 09 21.9	23 55.52	+04 42.1	18.1	−0.97	− 5.4	1.9/23.6	33760
1993 FB_{22}	2002 09 21.9	23 55.55	−00 51.5	17.5	−0.94	− 5.4	10.0/02.0	*40302*
1999 VS_{70}	2002 09 21.9	23 55.57	−08 17.6	20.0	−1.02	− 4.8	3.2/19.6	14150
2001 FV_{34}	2002 09 21.9	23 55.60	−02 31.7	19.6	−0.90	− 7.3	0.8/21.3	13828
1998 FW_{117}	2002 09 21.9	23 55.63	+02 07.8	20.0	−1.06	− 5.0	1.0/22.8	12122
1998 VV_{45}	2002 09 22.0	23 55.58	−29 22.3	17.7	−0.96	− 0.8	11.4/12.4	31844