Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164001 2003 UP_{170}	15.5	X	26.12447	328.57554	51.87165	6.91283	0.0654366	0.22454335	2.6808298	21	12 23.9	18.9
164002 2003 UU_{172}	16.4	X	8.61508	225.80349	171.23229	9.41758	0.1888540	0.22377728	2.6869447	21	—	—
164003 2003 UE_{174}	16.1	X	84.29561	311.62011	1.19984	2.13498	0.2023459	0.22664899	2.6642002	21	12 25.0	20.3
164004 2003 UR_{174}	16.2	X	43.65366	106.11099	229.55812	4.17816	0.1269146	0.22235781	2.6983677	21	11 29.0	19.7
164005 2003 US_{185}	15.9	X	205.77409	114.97548	176.79064	3.49367	0.0572226	0.23931169	2.5693707	21	—	—
164006 Thierry	16.8	X	59.29762	163.08101	273.85430	1.32071	0.1782533	0.23977152	2.5660847	21	—	—
164007 2003 UW_{186}	15.6	X	321.30862	78.37760	311.20176	5.42414	0.0641748	0.21528355	2.7571612	21	9 27.4	19.1
164008 2003 UJ_{189}	15.6	X	264.20644	226.66233	25.08906	14.89002	0.0505421	0.24181469	2.5516098	21	1 13.1	19.5
164009 2003 UZ_{189}	15.7	X	33.23560	307.29130	10.34388	2.80160	0.0944080	0.21675848	2.7446396	21	10 15.9	19.0
164010 2003 UV_{192}	15.6	X	222.32783	139.32578	321.86226	4.67873	0.0592360	0.21494726	2.7600362	21	8 21.5	19.6
164011 2003 UX_{194}	15.3	X	332.88827	197.75662	231.09475	8.84050	0.1373242	0.22290573	2.6939440	21	12 12.5	18.1
164012 2003 UL_{197}	16.1	X	97.40760	157.92387	121.01824	2.79264	0.0397890	0.22061316	2.7125751	21	11 11.8	20.0
164013 2003 UT_{197}	16.1	X	229.40405	352.81477	169.80577	1.45302	0.0503118	0.22240709	2.6979690	21	11 19.8	19.8
164014 2003 UO_{200}	15.7	X	71.70812	301.21113	358.37676	3.18102	0.0707418	0.22156001	2.7048413	21	11 9.0	19.5
164015 2003 UC_{203}	15.9	X	290.26305	118.43024	337.07366	2.02871	0.0171219	0.22087017	2.7104704	21	11 16.0	19.4
164016 2003 UK_{204}	15.7	X	333.10821	258.98668	203.56596	10.89363	0.1646751	0.22659227	2.6646448	21	—	—
164017 2003 UL_{206}	15.2	X	10.27671	335.66259	50.98355	15.64829	0.0798042	0.22123193	2.7075148	21	12 9.3	18.7
164018 2003 UP_{207}	15.2	X	328.24892	11.41862	56.18284	14.84054	0.1740299	0.21801657	2.7340705	21	11 29.6	17.9
164019 2003 UR_{208}	15.7	X	67.61061	285.35644	62.07644	4.86955	0.1257887	0.22702172	2.6612833	21	—	—
164020 2003 UC_{219}	15.0	X	16.12219	327.37081	73.44795	13.11097	0.1384556	0.22372064	2.6873982	21	—	—
164021 2003 UQ_{220}	15.3	X	22.51685	73.31776	346.31146	4.68364	0.3174620	0.22420623	2.6835164	21	—	—
164022 2003 UA_{222}	15.8	X	1.19368	100.95849	255.18931	5.19694	0.0380886	0.21767653	2.7369171	21	10 12.6	19.5
164023 2003 UZ_{222}	15.3	X	83.70454	119.68978	253.10784	7.33263	0.2321941	0.23194556	2.6234855	21	—	—
164024 2003 UZ_{224}	16.0	X	359.79385	337.56243	81.47746	6.76533	0.1286393	0.22419535	2.6836033	21	—	—
164025 2003 UH_{226}	15.7	X	238.20374	174.13943	276.76281	3.15167	0.0251432	0.21111660	2.7933228	21	8 30.7	19.6
164026 2003 UT_{227}	15.9	X	359.45164	65.53452	301.68017	2.87129	0.0909995	0.21875253	2.7279348	21	10 29.6	19.2
164027 2003 UY_{232}	16.4	X	88.82654	152.46275	220.40110	2.36959	0.0752324	0.23390028	2.6088486	21	—	—
164028 2003 UA_{241}	15.3	X	3.75251	123.57398	245.71727	8.45662	0.1104698	0.21950743	2.7216769	21	11 10.9	18.6
164029 2003 UA_{244}	15.5	X	301.46238	33.56100	41.94004	8.09844	0.0767302	0.21650819	2.7467544	21	10 31.1	18.9
164030 2003 UJ_{245}	16.2	X	65.33463	264.05003	105.74172	1.64706	0.1260547	0.22885031	2.6470880	21	—	—
164031 2003 UQ_{247}	15.5	X	128.23123	165.39153	232.91952	3.85174	0.2747573	0.23929274	2.5695064	21	3 4.9	19.5
164032 2003 UR_{249}	16.1	X	132.55743	236.12292	105.80123	3.26752	0.2189820	0.23684175	2.5872032	21	—	—
164033 2003 UC_{251}	16.0	X	134.18589	225.30490	108.05623	5.25206	0.2587805	0.23545203	2.5973736	21	—	—
164034 2003 UX_{252}	16.2	X	138.48629	335.00197	43.44583	1.98297	0.2013829	0.24082207	2.5586165	21	2 12.8	20.0
164035 2003 UH_{254}	17.0	X	163.16122	295.55896	14.64695	0.67081	0.1804116	0.23861261	2.5743867	21	—	—
164036 2003 UZ_{255}	16.4	X	80.08385	238.52258	152.86975	3.64252	0.2037538	0.23441442	2.6050326	21	—	—
164037 2003 UP_{257}	15.8	X	335.71756	246.20206	196.50090	7.06736	0.1985021	0.22331327	2.6906654	21	—	—
164038 2003 UP_{264}	15.5	X	325.29708	300.44184	143.07670	5.32478	0.1084198	0.22211477	2.7003357	21	12 18.7	18.6
164039 2003 UE_{265}	16.1	X	174.56400	147.10107	176.70000	5.30116	0.3137826	0.24159764	2.5531378	21	1 16.9	20.6
164040 2003 UQ_{265}	15.6	X	147.21053	1.10681	333.79461	3.61219	0.2028991	0.23790482	2.5794902	21	—	—
164041 2003 UF_{266}	15.9	X	333.26296	173.67322	189.98724	1.81889	0.1125318	0.21433395	2.7652988	21	9 10.8	19.1
164042 2003 UO_{269}	15.7	X	55.18592	81.06894	237.53471	4.87610	0.0750931	0.21973874	2.7197666	21	11 13.7	19.2
164043 2003 UM_{278}	16.4	X	75.18327	221.72077	133.61805	3.29255	0.1164479	0.22846716	2.6500467	21	—	—
164044 2003 US_{279}	16.0	X	64.50841	345.04301	321.83711	8.09028	0.1216240	0.22170936	2.7036265	21	11 14.8	19.9
164045 2003 UC_{283}	15.5	X	26.52199	223.69333	140.03736	6.73760	0.0408162	0.22097697	2.7095970	21	11 30.7	19.2
164046 2003 UW_{283}	14.7	X	83.59033	339.66694	58.87313	14.44531	0.1830677	0.23124985	2.6287447	21	—	—
164047 2003 UL_{296}	16.1	X	21.21253	211.67069	204.17895	2.64311	0.0778621	0.23022589	2.6365334	21	—	—
164048 2003 UO_{298}	15.9	X	225.76373	235.29363	10.02495	4.80849	0.1804612	0.23741501	2.5830368	21	—	—
164049 2003 UC_{302}	16.2	X	181.02562	270.47990	318.45468	4.65357	0.2091977	0.22847653	2.6499743	21	12 5.2	20.6
164050 2003 UO_{307}	15.4	X	128.40658	345.30114	232.86292	6.86033	0.0684071	0.21686420	2.7437475	21	10 1.0	19.6
164051 2003 UL_{314}	16.5	X	64.51171	83.32674	250.22472	1.82194	0.1158256	0.22411869	2.6842152	21	12 20.2	20.3
164052 2003 VC_{5}	15.8	X	85.69492	108.94283	189.82965	2.69511	0.1660329	0.22237623	2.6982187	21	12 5.9	19.9
164053 2003 VP_{5}	15.9	X	107.92802	61.31108	279.56767	0.32559	0.0655752	0.23017811	2.6368982	21	—	—
164054 2003 VH_{6}	15.9	X	305.50203	77.84056	352.04324	5.25991	0.1129228	0.21683142	2.7440240	21	10 24.2	19.0
164055 2003 VL_{8}	15.5	X	62.75649	268.15596	58.43142	10.39328	0.1062673	0.22119809	2.7077910	21	12 7.1	19.3
164056 2003 VO_{10}	15.8	X	318.87391	31.41885	30.55752	2.62151	0.0545510	0.21836096	2.7311950	21	11 9.4	19.2
164057 2003 WR_{10}	15.8	X	344.47100	10.52007	3.18232	6.84873	0.0461785	0.21522397	2.7576700	21	10 12.7	19.4
164058 2003 WV_{11}	15.6	X	56.51114	6.65188	350.25785	5.79848	0.1754260	0.22518194	2.6757591	21	—	—
164059 2003 WH_{13}	15.6	X	70.45184	242.51235	92.22825	13.65189	0.1896720	0.22831117	2.6512536	21	—	—
164060 2003 WV_{16}	16.2	X	247.00230	36.04033	333.90162	1.68372	0.0808788	0.20140867	2.8823759	21	5 21.3	20.4
164061 2003 WF_{29}	16.1	X	330.80006	110.36887	323.21693	4.25007	0.1280567	0.22153502	2.7050448	21	12 14.3	19.0
164062 2003 WL_{38}	15.6	X	82.34225	347.60468	359.63183	5.47392	0.1383679	0.22656844	2.6648316	21	—	—
164063 2003 WP_{40}	15.9	X	164.74129	348.91971	21.10735	2.94167	0.1300395	0.24270678	2.5453535	21	2 21.9	19.7
164064 2003 WY_{46}	15.8	X	25.30230	262.53940	43.36811	5.57122	0.1455566	0.21460709	2.7629520	21	9 27.3	19.0
164065 2003 WN_{50}	15.7	X	312.87534	64.49634	333.70316	5.57618	0.0720054	0.21277253	2.7788110	21	9 26.2	19.1
164066 2003 WY_{55}	15.9	X	5.11137	319.46872	30.92230	6.48732	0.1905269	0.21632325	2.7483197	21	10 27.1	18.6
164067 2003 WH_{65}	16.1	X	341.97833	182.60049	216.31393	2.21523	0.0134882	0.21762841	2.7373205	21	11 12.1	19.5
164068 2003 WJ_{66}	15.2	X	37.13783	42.65531	37.65728	13.82483	0.2260208	0.22997201	2.6384734	21	—	—
164069 2003 WK_{69}	15.9	X	305.84957	318.86598	80.35841	4.50303	0.0921021	0.21168996	2.7882767	21	9 19.0	19.3
164070 2003 WV_{70}	15.3	X	122.96037	28.01986	312.02646	14.54672	0.1503648	0.23439831	2.6051520	21	—	—
164071 2003 WT_{80}	16.1	X	60.08423	219.33506	172.94574	14.16880	0.1791382	0.22999823	2.6382729	21	—	—
164072 2003 WS_{81}	15.2	X	322.61215	103.31492	352.85849	11.12653	0.1599636	0.22249260	2.6972777	21	—	—
164073 2003 WR_{84}	15.3	X	34.63297	227.76851	91.98005	15.38235	0.2156398	0.21717386	2.7411388	21	11 13.8	18.9
164074 2003 WD_{86}	15.4	X	86.74017	131.39093	282.35515	13.60848	0.0925236	0.23886910	2.5725435	21	1 5.6	18.5
164075 2003 WU_{87}	16.3	X	96.48956	285.52073	146.44861	1.99109	0.2033096	0.23950578	2.5679824	21	3 2.7	19.4
164076 2003 WE_{89}	15.6	X	303.26673	18.39772	53.45963	6.28639	0.0337297	0.21764323	2.7371962	21	11 2.4	19.0
164077 2003 WP_{91}	15.7	X	189.45384	4.68745	139.33740	4.62267	0.0405770	0.20978589	2.8051227	21	9 9.1	19.7
164078 2003 WK_{94}	15.9	X	206.11411	215.94032	338.72205	3.32341	0.0258151	0.22234071	2.6985060	21	12 3.8	19.6
164079 2003 WS_{94}	16.2	X	318.90507	103.06665	304.10994	1.69971	0.0696125	0.21629137	2.7485897	21	10 19.1	19.6
164080 2003 WJ_{96}	16.2	X	350.79462	287.00023	57.55737	0.87917	0.0811861	0.21310554	2.7759153	21	9 15.1	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164081 2003 WB_{97}	16.4	X	47.95785	250.14305	143.35533	2.31337	0.0740591	0.22844798	2.6501950	21	—	—
164082 2003 WX_{102}	15.7	X	82.48736	23.60905	2.19927	14.51068	0.2682834	0.23360714	2.6110307	21	—	—
164083 2003 WU_{103}	16.1	X	130.08796	13.18966	359.00769	1.00519	0.2201434	0.23830439	2.5766060	21	1 29.3	19.7
164084 2003 WR_{121}	14.9	X	226.61981	261.84187	61.42778	13.91631	0.1876703	0.24364324	2.5388272	21	2 28.9	19.4
164085 2003 WD_{122}	15.1	X	105.12578	211.08751	264.70080	7.95225	0.0599310	0.19213343	2.9744095	21	4 21.6	19.4
164086 2003 WM_{122}	16.0	X	150.76952	341.33592	4.93671	2.26180	0.1578375	0.23777470	2.5804312	21	1 12.2	19.8
164087 2003 WU_{122}	15.1	X	313.52743	215.04588	32.27418	10.52234	0.0656487	0.18813150	3.0164424	21	3 17.1	19.3
164088 2003 WQ_{125}	15.2	X	108.25088	304.82983	60.14145	5.92296	0.2076681	0.23128711	2.6284624	21	—	—
164089 2003 WV_{126}	16.3	X	113.70599	55.26864	29.98357	4.12451	0.2133489	0.24211793	2.5494788	21	4 12.3	19.9
164090 2003 WF_{132}	16.0	X	345.72181	114.92596	301.07467	0.58600	0.0880178	0.22050879	2.7134310	21	12 13.5	19.0
164091 2003 WY_{134}	15.5	X	240.60172	137.73464	250.47483	9.41786	0.0727685	0.20001736	2.8957268	21	6 7.7	19.6
164092 2003 WX_{136}	15.5	X	202.96397	120.20224	215.23123	2.24930	0.1497559	0.24318214	2.5420354	21	2 15.2	19.4
164093 2003 WF_{142}	15.3	X	346.03986	319.58772	89.92159	9.87032	0.2736798	0.21708920	2.7418513	21	12 21.8	17.6
164094 2003 WT_{142}	16.7	X	247.45013	192.28967	288.82524	1.32702	0.1704665	0.26837936	2.3803271	21	10 7.3	19.7
164095 2003 WS_{144}	16.2	X	220.34821	76.48201	359.86511	1.33859	0.0262280	0.20488002	2.8497251	21	7 21.0	20.2
164096 2003 WZ_{155}	15.4	X	354.46099	128.02896	305.43441	13.87541	0.1232215	0.22554000	2.6729264	21	—	—
164097 2003 WU_{156}	15.8	X	21.11684	269.57462	112.72705	3.56908	0.0590360	0.22319386	2.6916250	21	12 18.7	19.3
164098 2003 WX_{161}	15.7	X	36.18429	202.62538	196.48442	8.72892	0.1198487	0.22564298	2.6721131	21	—	—
164099 2003 WE_{163}	15.7	X	331.09456	129.30310	103.57778	1.52892	0.1088022	0.18918824	3.0051993	21	3 13.3	19.5
164100 2003 WV_{166}	15.9	X	307.42089	204.84923	123.61751	2.87538	0.0673543	0.20469367	2.8514545	21	6 16.8	19.5
164101 2003 WD_{168}	15.8	X	196.37043	193.82250	41.94222	3.26637	0.0319694	0.22800941	2.6535923	21	—	—
164102 2003 WY_{175}	15.7	X	301.91713	242.81713	97.41718	3.32356	0.1200136	0.20474218	2.8510040	21	6 16.8	19.2
164103 2003 XG_{5}	15.0	X	141.85708	278.61117	56.82794	12.58732	0.2386285	0.23228039	2.6209638	21	—	—
164104 2003 XF_{9}	14.4	X	280.45274	356.90866	9.76524	15.52543	0.1479538	0.20362891	2.8613858	21	6 16.6	18.7
164105 2003 XT_{9}	15.2	X	40.22732	46.98257	10.92209	13.39300	0.1435075	0.22841184	2.6504746	21	—	—
164106 2003 XQ_{10}	14.7	X	355.73775	65.53339	31.04625	28.90677	0.1517392	0.22534242	2.6744885	21	—	—
164107 2003 XU_{11}	15.7	X	56.94254	241.35053	128.88283	13.76882	0.2743749	0.23018880	2.6368166	21	—	—
164108 2003 XW_{11}	15.8	X	63.06759	196.77947	130.31444	14.38510	0.1836801	0.22572907	2.6714336	21	12 20.6	19.9
164109 2003 XF_{13}	15.3	X	309.11733	245.15323	292.90233	3.96295	0.0898172	0.17556190	3.1587545	21	—	—
164110 2003 XM_{16}	15.2	X	24.69833	189.39982	119.50199	10.30708	0.3016942	0.21400178	2.7681596	21	10 28.2	18.4
164111 2003 XQ_{17}	15.6	X	85.75871	174.64062	131.51678	4.21279	0.0815860	0.21900209	2.7258621	21	12 6.1	19.5
164112 2003 XJ_{19}	16.1	X	123.00243	46.63079	356.38480	4.21544	0.3178664	0.23965301	2.5669306	21	3 12.4	20.0
164113 2003 XT_{21}	15.3	X	23.53193	40.02874	3.61053	15.24675	0.1274201	0.22542088	2.6738680	21	—	—
164114 2003 XR_{27}	15.5	X	304.29049	0.28165	99.05415	4.68632	0.1607671	0.21754599	2.7380119	21	11 29.6	18.4
164115 2003 XC_{33}	16.1	X	338.94125	153.94240	156.95908	2.47867	0.0520968	0.20386034	2.8592199	21	7 11.1	19.7
164116 2003 XP_{33}	16.2	X	321.64517	291.43473	123.50428	3.03477	0.0674136	0.21675670	2.7446546	21	11 5.0	19.5
164117 2003 XL_{36}	14.9	X	141.15221	163.72223	303.25946	10.27344	0.1230081	0.19331062	2.9623218	21	5 31.2	19.6
164118 2003 XY_{37}	15.5	X	2.20345	92.93866	299.10724	7.12129	0.1691004	0.21997736	2.7177994	21	12 16.9	18.5
164119 2003 XF_{40}	16.4	X	310.88464	233.35297	137.60859	2.86739	0.1276028	0.20921292	2.8102419	21	8 11.6	19.8
164120 2003 YK	19.0	X	99.97473	189.59775	345.62956	11.03166	0.4079002	0.52997540	1.5122801	21	8 24.2	20.8
164121 2003 YT_{1}	16.2	X	303.28735	91.05606	38.32179	44.06073	0.2919994	0.84324735	1.1095990	21	—	—
164122 2003 YY_{3}	15.7	X	101.61792	208.95787	176.02649	4.58502	0.2097324	0.23506539	2.6002210	21	1 7.8	18.7
164123 2003 YG_{5}	15.6	X	33.75268	261.04862	91.09230	9.38793	0.1367497	0.21993122	2.7181795	21	12 8.3	19.1
164124 2003 YD_{10}	15.5	X	165.31274	140.56244	348.21503	8.43667	0.1156888	0.20050815	2.8909996	21	7 25.0	20.1
164125 2003 YZ_{10}	15.4	X	113.09165	322.60647	43.67092	13.21478	0.2693245	0.23360874	2.6110188	21	1 11.3	19.0
164126 2003 YV_{13}	14.8	X	71.07275	143.48661	328.89132	9.00111	0.1961828	0.18014291	3.1049737	21	3 23.3	18.8
164127 2003 YO_{14}	15.1	X	100.38041	118.93160	340.93448	8.69735	0.0185356	0.18532767	3.0467901	21	3 21.9	19.4
164128 2003 YM_{16}	14.6	X	108.61198	302.47237	93.64742	18.69537	0.1691468	0.17589651	3.1547472	21	2 10.5	19.3
164129 2003 YB_{21}	15.8	X	67.00269	259.68290	98.32445	8.79728	0.3200124	0.22359135	2.6884340	21	—	—
164130 Jonckheere	15.7	X	260.87716	351.16086	26.57777	1.93848	0.1000660	0.20091227	2.8871216	21	6 14.8	19.9
164131 2003 YL_{43}	15.2	X	68.46126	328.54262	147.84247	1.61016	0.1493296	0.17997669	3.1068852	21	3 21.6	19.0
164132 2003 YU_{45}	15.7	X	25.21016	10.54852	356.79235	7.65953	0.1343204	0.21993471	2.7181507	21	12 14.3	19.2
164133 2003 YS_{48}	15.7	X	37.95548	8.26642	39.99716	1.04711	0.2379962	0.22718948	2.6599730	21	—	—
164134 2003 YY_{48}	14.8	X	195.40444	151.70837	268.56667	10.85967	0.0405521	0.19534039	2.9417653	21	5 28.9	19.1
164135 2003 YU_{58}	15.2	X	44.53324	326.41498	126.28489	2.68726	0.1439001	0.17544554	3.1601510	21	1 11.7	18.9
164136 2003 YY_{69}	15.6	X	88.09229	203.91630	97.02617	6.34616	0.0474996	0.22053098	2.7132489	21	11 29.1	19.4
164137 2003 YS_{78}	14.4	X	180.53803	17.69918	288.63800	14.98758	0.0702837	0.17297225	3.1902038	21	—	—
164138 2003 YE_{81}	15.8	X	46.67622	66.26622	73.67323	1.26403	0.1454529	0.18087776	3.0965583	21	3 16.8	19.5
164139 2003 YC_{84}	15.9	X	125.30151	226.35117	182.33844	3.56408	0.1734362	0.24100408	2.5573281	21	3 3.5	19.5
164140 2003 YM_{85}	15.2	X	299.36456	284.79399	108.20217	8.85616	0.2399665	0.21001212	2.8031078	21	8 6.7	18.4
164141 2003 YP_{87}	15.4	X	112.84193	296.65846	168.00417	4.12132	0.1464947	0.18678076	3.0309675	21	5 2.9	19.9
164142 2003 YB_{91}	15.0	X	44.00369	242.78684	111.35315	16.25722	0.2244412	0.22137640	2.7063367	21	—	—
164143 2003 YG_{91}	15.2	X	47.59772	264.52266	109.58940	11.04937	0.2546736	0.22506818	2.6766607	21	—	—
164144 2003 YF_{96}	15.3	X	249.30432	294.80574	97.07270	5.88942	0.1178860	0.20074193	2.8887546	21	6 17.5	19.4
164145 2003 YG_{104}	15.0	X	178.31357	137.86595	259.60009	7.75562	0.1005988	0.18963180	3.0005113	21	4 10.2	19.8
164146 2003 YQ_{106}	15.2	X	92.62549	54.54290	103.28313	10.68827	0.0191291	0.18954270	3.0014516	21	5 28.5	19.4
164147 2003 YR_{108}	15.4	X	5.35082	293.71592	120.44336	10.22063	0.1141220	0.22623561	2.6674446	21	—	—
164148 2003 YZ_{110}	16.4	X	110.52223	152.14766	119.74642	3.28744	0.1798312	0.26591218	2.3950278	21	12 3.8	20.1
164149 2003 YL_{114}	15.0	X	39.16337	73.91001	99.09135	10.81919	0.0302228	0.18470646	3.0536176	21	4 12.7	19.3
164150 2003 YF_{119}	14.7	X	320.17698	180.58552	350.62835	3.88463	0.1180925	0.17090726	3.2158494	21	—	—
164151 2003 YM_{125}	15.3	X	302.95943	146.17900	305.87410	8.88298	0.1963964	0.21743761	2.7389216	21	11 8.7	18.4
164152 2003 YP_{126}	14.9	X	138.40597	140.18576	322.93103	8.81681	0.0445754	0.19175069	2.9783662	21	5 13.9	19.4
164153 2003 YS_{128}	14.9	X	0.05411	177.73020	336.12931	9.67588	0.1168616	0.17328143	3.1864079	21	1 19.5	18.9
164154 2003 YE_{129}	15.4	X	306.16696	72.92603	349.86957	9.20977	0.2678575	0.21124617	2.7921804	21	9 24.0	18.0
164155 2003 YS_{133}	15.2	X	56.19719	319.71716	50.42404	12.61952	0.1948226	0.22222078	2.6994768	21	—	—
164156 2003 YD_{142}	14.8	X	252.34447	337.31555	8.79329	10.11554	0.3051677	0.19654816	2.9297016	21	4 7.2	19.8
164157 2003 YY_{142}	15.1	X	293.53000	265.78519	42.00570	10.73370	0.1015720	0.19075701	2.9887004	21	4 27.4	19.0
164158 2003 YE_{144}	14.8	X	56.03425	126.20250	327.19305	9.12606	0.0422281	0.17386316	3.1792963	21	1 25.1	19.2
164159 2003 YY_{151}	14.4	X	175.39462	240.51996	87.94179	26.48150	0.1418296	0.17430160	3.1739626	21	1 24.1	19.7
164160 2003 YL_{153}	15.3	X	351.46188	84.02050	353.21428	11.63017	0.1586130	0.22420161	2.6835533	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164161 2003 YW_{154}	15.2	X	105.47795	40.07461	323.15335	14.62415	0.1547633	0.23286092	2.6166058	21	—	—
164162 2003 YY_{154}	15.6	X	118.00531	20.99246	37.69649	16.92167	0.2241759	0.24136648	2.5547677	21	3 22.9	19.4
164163 2003 YS_{155}	15.1	X	236.23390	257.77780	186.61705	7.30751	0.2962408	0.20282089	2.8689805	21	7 21.7	20.1
164164 2003 YK_{166}	16.0	X	286.28691	16.45412	358.01572	0.57916	0.2698042	0.20452583	2.8530142	21	6 17.4	19.8
164165 2004 AC_{4}	15.2	X	207.22081	298.39488	108.08871	10.04313	0.1000533	0.19204498	2.9753227	21	5 25.6	19.9
164166 2004 AQ_{5}	14.6	X	117.14960	151.70149	309.98107	9.31724	0.0755046	0.18370760	3.0646764	21	4 19.5	19.2
164167 2004 AJ_{7}	15.2	X	148.57490	205.25111	227.55743	7.88907	0.0744147	0.19068828	2.9894185	21	4 22.7	19.7
164168 2004 AP_{8}	14.9	X	66.37489	284.81933	174.44745	13.50496	0.1558390	0.18151689	3.0892853	21	2 23.1	18.8
164169 2004 AK_{25}	14.5	X	224.60133	142.62873	93.85839	20.56167	0.1102542	0.17129718	3.2109674	21	—	—
164170 2004 AS_{25}	15.5	X	251.72501	261.98769	209.22687	11.60221	0.1570683	0.21053135	2.7984971	21	9 23.6	19.5
164171 2004 AP_{26}	15.6	X	324.47064	259.51193	159.25067	9.53166	0.2001138	0.21350557	2.7724469	21	11 11.4	18.4
164172 2004 BY_{5}	15.2	X	209.92493	265.66930	128.56501	9.94575	0.1204617	0.19093543	2.9868383	21	5 13.6	20.1
164173 2004 BM_{10}	15.6	X	175.72634	213.60641	216.30963	4.42861	0.1154825	0.19077411	2.9885217	21	5 21.1	20.3
164174 2004 BM_{17}	14.9	X	76.21521	135.12190	341.35948	10.73128	0.1146013	0.18131680	3.0915576	21	3 24.4	19.1
164175 2004 BO_{37}	15.3	X	190.16378	234.00915	118.62428	6.64653	0.1652854	0.18022334	3.1040499	21	3 6.7	20.5
164176 2004 BE_{46}	15.4	X	97.09597	192.33205	292.78111	2.33365	0.1013104	0.18625294	3.0366911	21	5 1.6	19.6
164177 2004 BM_{46}	15.6	X	307.96817	245.32881	224.98235	3.43657	0.0629715	0.21524477	2.7574923	21	12 25.4	19.0
164178 2004 BP_{48}	15.4	X	125.38483	143.87473	294.56269	2.88578	0.0617134	0.18344519	3.0675984	21	4 1.7	19.8
164179 2004 BA_{49}	15.6	X	124.00729	9.16180	120.04406	3.98082	0.0846417	0.19002029	2.9964203	21	6 7.2	19.9
164180 2004 BD_{52}	15.3	X	311.39053	291.07964	135.18395	9.88533	0.1418243	0.21005389	2.8027363	21	10 31.5	18.6
164181 2004 BJ_{52}	15.9	X	302.79139	194.95681	276.64512	0.84159	0.0996216	0.21429436	2.7656394	21	12 16.9	19.1
164182 2004 BM_{52}	16.0	X	208.27526	323.61034	133.79324	2.75532	0.0840410	0.19912533	2.9043684	21	7 28.7	20.3
164183 2004 BG_{59}	15.1	X	118.23735	264.23120	166.53524	7.12929	0.1479802	0.18098517	3.0953331	21	3 28.9	19.6
164184 2004 BF_{68}	19.3	X	117.07422	2.57336	202.21017	4.60286	0.4534535	0.47485901	1.6271450	21	10 11.1	22.2
164185 2004 BD_{69}	15.3	X	17.42942	38.58511	351.42774	12.94485	0.1876848	0.21904568	2.7255004	21	—	—
164186 2004 BP_{70}	15.1	X	187.65047	265.12063	113.70410	10.24233	0.1836730	0.18494312	3.0510121	21	4 6.5	20.4
164187 2004 BR_{70}	15.3	X	70.28688	147.00794	324.96435	6.55387	0.0678457	0.17790881	3.1309135	21	3 6.5	19.6
164188 2004 BB_{74}	15.0	X	134.30839	282.80800	136.29163	9.83444	0.1047620	0.18023032	3.1039697	21	3 29.5	19.7
164189 2004 BQ_{76}	14.2	X	69.04813	250.88812	166.36330	16.22841	0.1502656	0.17137382	3.2100102	21	1 7.8	18.4
164190 2004 BD_{80}	15.6	X	34.05734	15.32966	155.46678	1.73359	0.1003262	0.18013095	3.1051112	21	4 1.9	19.4
164191 2004 BD_{94}	14.9	X	79.60544	304.87174	169.30068	18.51075	0.1596331	0.17958128	3.1114441	21	4 7.7	19.1
164192 2004 BP_{105}	14.7	X	336.65767	224.35405	139.06666	15.97289	0.1545257	0.20517768	2.8469683	21	9 18.3	17.9
164193 2004 BM_{146}	15.3	X	136.73954	78.54522	318.04956	13.93526	0.1239877	0.17812800	3.1283446	21	2 28.6	20.1
164194 2004 BM_{151}	15.2	X	3.57054	211.80824	141.78985	16.30265	0.1920194	0.20914281	2.8108700	21	11 2.9	18.6
164195 2004 CT_{13}	15.7	X	137.89193	305.04636	124.90580	2.14242	0.1705008	0.18254269	3.0777010	21	4 19.1	20.5
164196 2004 CF_{52}	15.1	X	3.19000	50.95592	35.21859	33.70558	0.3029559	0.22001014	2.7175294	21	—	—
164197 2004 CQ_{68}	15.9	X	336.45132	40.77565	19.57114	4.89591	0.1534771	0.21291638	2.7775593	21	12 4.1	18.8
164198 2004 CN_{74}	15.4	X	112.86006	269.69041	157.19106	8.92057	0.1532252	0.17969238	3.1101615	21	3 19.2	19.8
164199 2004 CP_{80}	14.4	X	134.77633	69.86866	359.34107	9.45224	0.2097628	0.18120456	3.0928342	21	4 15.4	19.5
164200 2004 DK_{29}	14.8	X	128.04217	257.83217	145.87017	10.42763	0.2251526	0.17696096	3.1420837	21	3 16.5	19.8
164201 2004 EC	15.7	X	63.83779	10.31572	28.82561	34.58620	0.8599909	0.34923976	1.9970408	21	4 3.0	17.0
164202 2004 EW	20.8	X	315.36291	56.18402	342.91097	4.66904	0.2789921	1.00374079	0.9879198	21	—	—
164203 2004 ED_{11}	15.6	X	172.96055	254.93376	162.33605	22.08222	0.0916040	0.23796735	2.5790384	21	5 3.4	19.8
164204 2004 EK_{45}	15.6	X	223.76103	84.69583	4.92802	1.97537	0.0896882	0.19424335	2.9528311	21	8 5.1	19.8
164205 2004 EE_{51}	15.7	X	93.45472	209.20373	215.47267	0.36611	0.1773511	0.17249495	3.1960860	21	2 24.4	20.1
164206 2004 FN_{18}	17.6	X	358.17091	232.87185	214.42102	18.27404	0.4093954	0.44433276	1.7008414	21	—	—
164207 2004 GU_{9}	21.1	X	322.82046	279.75807	38.50412	13.65019	0.1360420	0.98353946	1.0014014	21	2 21.0	20.7
164208 2004 HB_{27}	12.5	X	47.91736	239.75936	105.29280	7.27944	0.0660508	0.08424078	5.1537236	21	11 15.2	19.2
164209 2004 HD_{57}	16.5	X	107.82574	254.93097	95.47568	24.52147	0.1099762	0.37916254	1.8905396	21	—	—
164210 2004 JH_{21}	12.7	X	304.59487	233.15432	203.16126	4.04660	0.0643230	0.08326685	5.1938328	21	10 17.4	19.3
164211 2004 JA_{27}	19.4	X	299.06972	270.21076	67.76735	2.25810	0.4234093	0.45826772	1.6661849	21	4 7.4	21.3
164212 2004 JB_{48}	12.7	X	335.74728	196.52508	207.99352	5.96838	0.0492595	0.08121073	5.2811329	21	10 20.9	19.5
164213 2004 LS_{2}	16.8	X	147.84237	227.46782	71.47102	21.19422	0.0454927	0.37664765	1.8989457	21	—	—
164214 2004 LZ_{11}	19.0	X	167.60584	248.86294	72.10655	5.46097	0.3924859	0.31924571	2.1202448	21	1 5.8	22.6
164215 Doloreshill	20.0	X	181.56863	76.61776	236.00330	4.87729	0.3961118	0.32029369	2.1156174	21	1 4.6	23.8
164216 2004 OT_{11}	17.2	X	152.75545	326.33996	295.09883	19.94529	0.5651600	0.31232795	2.1514379	21	12 23.8	22.0
164217 2004 PT_{42}	17.2	X	328.49363	179.08579	144.98169	48.92867	0.4164051	0.34527552	2.0122975	21	5 23.1	20.5
164218 2004 PX_{84}	15.8	X	269.90039	189.37895	166.24023	24.45360	0.2069330	0.27729710	2.3290161	21	5 14.8	19.7
164219 2004 QK_{3}	17.1	X	332.04276	53.46450	344.09795	17.73359	0.1006876	0.35564928	1.9729743	21	11 22.5	19.1
164220 2004 QW_{16}	16.3	X	7.63861	194.75163	191.12202	27.69293	0.2798202	0.35835501	1.9630306	21	—	—
164221 2004 QE_{20}	20.1	X	41.94609	74.25553	272.58869	6.48241	0.2053545	0.53373595	1.5051684	21	—	—
164222 2004 RN_{9}	20.8	X	50.92977	67.22713	0.95214	16.11065	0.2469474	0.66169107	1.3042651	21	—	—
164223 2004 RV_{80}	16.8	X	184.06188	0.73975	161.70219	6.92364	0.0924005	0.29173033	2.2515503	21	10 2.1	19.9
164224 2004 RY_{182}	17.1	X	129.42264	321.40527	325.41065	6.64243	0.2073389	0.30626405	2.1797434	21	—	—
164225 2004 RV_{194}	16.1	X	94.65982	275.03871	339.76082	8.25428	0.0230622	0.29047101	2.2580533	21	10 10.9	19.0
164226 2004 RD_{199}	16.6	X	59.28643	22.89542	329.49013	7.70512	0.1625305	0.29972442	2.2113355	21	—	—
164227 2004 RE_{228}	17.0	X	122.20682	229.76447	348.42686	4.59954	0.0825766	0.28827526	2.2695049	21	10 3.5	19.9
164228 2004 RC_{229}	16.5	X	63.19809	244.46121	306.26781	1.91840	0.1472534	0.27283732	2.3543275	21	6 15.3	18.8
164229 2004 RB_{308}	17.0	X	65.47008	77.53574	315.55683	4.35727	0.1255680	0.30692523	2.1766118	21	—	—
164230 2004 RD_{314}	16.7	X	124.20317	251.90320	0.03862	5.01250	0.1336713	0.29848960	2.2174300	21	11 22.6	19.9
164231 2004 RC_{335}	16.3	X	165.70086	238.66653	340.02549	8.77869	0.0869671	0.29700185	2.2248289	21	11 22.3	19.5
164232 2004 SB_{23}	16.5	X	57.12084	349.21203	224.19133	2.50137	0.2281143	0.27672031	2.3322514	21	7 23.9	19.0
164233 2004 SX_{53}	17.3	X	130.59970	143.42756	173.08793	6.59071	0.1023537	0.30824392	2.1703996	21	—	—
164234 2004 TJ_{5}	16.9	X	37.37353	155.39262	198.28870	5.93977	0.2106509	0.29669346	2.2263703	21	—	—
164235 2004 TQ_{15}	16.3	X	318.60246	352.90677	23.79524	7.75632	0.1528922	0.28526308	2.2854532	21	9 12.3	18.2
164236 2004 TW_{20}	16.8	X	354.54743	46.60034	6.97603	3.54248	0.0538573	0.29767293	2.2214838	21	—	—
164237 2004 TZ_{20}	16.2	X	125.74118	318.64090	220.56191	6.06691	0.0271431	0.28058086	2.3108088	21	8 7.2	19.2
164238 2004 TM_{28}	17.3	X	183.94675	7.85770	172.08722	3.16623	0.0712031	0.29256577	2.2472620	21	10 26.8	20.1
164239 2004 TL_{35}	17.8	X	102.06851	53.16671	296.24976	0.97369	0.1338856	0.30710862	2.1757453	21	—	—
164240 2004 TO_{44}	16.9	X	51.40361	318.01017	285.37157	2.01324	0.1308650	0.28011196	2.3133870	21	8 12.0	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164241 2004 TF_{46}	17.5	X	356.61985	139.15582	297.13701	0.36267	0.1250736	0.30030862	2.2084667	21	—	—
164242 2004 TV_{51}	16.9	X	195.50223	259.19402	305.08322	1.31863	0.1124812	0.29434916	2.2381758	21	12 6.9	19.8
164243 2004 TX_{101}	16.6	X	37.22553	246.43679	25.26980	7.84305	0.0898182	0.28206006	2.3027227	21	8 29.5	19.1
164244 2004 TC_{103}	17.2	X	55.39981	323.80095	29.14349	3.42864	0.1233709	0.29878722	2.2159572	21	—	—
164245 2004 TV_{110}	17.0	X	69.53993	315.39009	2.60775	4.37191	0.1556351	0.29727582	2.2234617	21	12 24.6	20.1
164246 2004 TV_{113}	17.1	X	37.16812	315.34342	32.43338	5.03212	0.1688300	0.29490590	2.2353579	21	12 27.8	19.9
164247 2004 TP_{133}	16.1	X	83.15451	239.19678	59.20955	6.36427	0.1930417	0.29520233	2.2338613	21	12 15.9	19.4
164248 2004 TS_{133}	16.9	X	141.27189	131.14614	181.58070	4.38431	0.2188876	0.30795192	2.1717714	21	—	—
164249 2004 TK_{138}	16.6	X	82.99715	329.20820	302.54934	7.19217	0.1070006	0.29249120	2.2476439	21	10 30.4	19.8
164250 2004 TW_{148}	17.0	X	34.70264	267.59753	325.82678	2.13534	0.1102540	0.27729981	2.3290009	21	6 24.3	19.3
164251 2004 TT_{169}	16.8	X	343.90782	246.20317	165.89623	6.27001	0.0776921	0.29589963	2.2303504	21	12 24.5	19.1
164252 2004 TQ_{216}	17.2	X	91.89449	302.22807	14.01236	7.37901	0.1668788	0.30047587	2.2076471	21	—	—
164253 2004 TU_{232}	16.7	X	206.51289	337.77431	221.17137	5.97936	0.1575670	0.29649290	2.2273742	21	12 8.1	19.7
164254 2004 TF_{238}	17.8	X	161.29463	195.08820	91.04903	1.48620	0.1030694	0.30702692	2.1761312	21	—	—
164255 2004 TW_{261}	17.0	X	70.87360	270.21137	51.07961	4.16194	0.1298440	0.29789558	2.2203768	21	12 27.8	20.0
164256 2004 TQ_{262}	17.1	X	30.11186	339.81742	31.83273	7.07368	0.2008491	0.29696068	2.2250345	21	—	—
164257 2004 TD_{277}	17.2	X	77.79639	94.54228	200.35083	1.70798	0.1659239	0.29343674	2.2428129	21	12 4.0	20.2
164258 2004 TF_{278}	16.8	X	83.32212	196.24857	79.23999	2.66207	0.1149055	0.29000773	2.2604575	21	11 9.2	19.8
164259 2004 TH_{283}	16.6	X	68.53547	205.47145	194.32406	3.58506	0.1481197	0.30615736	2.1802497	21	—	—
164260 2004 TW_{316}	17.4	X	156.30823	99.86061	173.03651	3.17837	0.1259638	0.30519263	2.1848419	21	—	—
164261 2004 TV_{330}	16.5	X	30.92052	155.24055	214.43680	5.59999	0.1853626	0.29599745	2.2298590	21	—	—
164262 2004 TZ_{332}	16.6	X	55.91096	178.83277	213.43455	6.12499	0.0808135	0.30312334	2.1947740	21	—	—
164263 2004 UW_{4}	16.0	X	303.74361	24.72302	13.77826	24.28514	0.1872670	0.28441553	2.2899913	21	9 17.9	18.2
164264 2004 UU_{7}	16.9	X	42.96476	338.01125	12.98168	6.61055	0.1447729	0.29601450	2.2297734	21	—	—
164265 2004 VO	16.9	X	78.55502	128.91236	201.79852	5.50874	0.2311587	0.30080916	2.2060161	21	—	—
164266 2004 VK_{5}	17.6	X	77.58337	353.22769	354.46088	4.92719	0.2025991	0.30192164	2.2005938	21	—	—
164267 2004 VC_{27}	16.5	X	201.21596	177.35464	264.03172	5.69725	0.0951499	0.27313527	2.3526150	21	6 29.5	19.8
164268 Hajmási	17.4	X	235.84429	96.37459	4.55822	3.27697	0.1396099	0.28033888	2.3121384	21	9 2.2	20.6
164269 2004 WS_{8}	16.6	X	163.92696	344.33368	341.28552	5.64312	0.2766778	0.31156590	2.1549446	21	—	—
164270 2004 XR_{1}	17.0	X	18.61554	1.70234	0.74488	6.25253	0.1666200	0.29242119	2.2480027	21	12 21.4	19.6
164271 2004 XG_{4}	16.2	X	31.19203	263.85493	69.65652	6.64758	0.2307908	0.29019502	2.2594847	21	12 8.8	18.8
164272 2004 XM_{7}	16.6	X	6.19115	333.84804	35.77112	4.03403	0.1795155	0.29019807	2.2594689	21	12 12.9	18.6
164273 2004 XO_{16}	15.2	X	281.03418	118.94172	307.85325	24.03617	0.2890136	0.27819662	2.3239930	21	8 14.7	18.0
164274 2004 XM_{17}	16.0	X	36.28252	30.02940	66.92328	2.62127	0.0624290	0.24505617	2.5290590	21	—	—
164275 2004 XJ_{19}	16.7	X	138.18930	352.26383	120.60434	2.20435	0.1425126	0.26533028	2.3985283	21	6 5.2	20.0
164276 2004 XG_{24}	16.9	X	151.05421	253.24552	84.01999	5.89373	0.2042632	0.31123822	2.1564568	21	—	—
164277 2004 XK_{30}	16.4	X	66.26037	165.48807	81.15766	7.42335	0.0625401	0.27896080	2.3197468	21	9 1.8	19.3
164278 2004 XF_{33}	16.2	X	274.78366	228.31154	82.31685	3.82382	0.1590620	0.26536311	2.3983304	21	3 25.3	19.7
164279 2004 XV_{42}	16.2	X	212.61925	57.62025	320.06707	5.61140	0.1315002	0.26160976	2.4212154	21	4 14.3	20.1
164280 2004 XX_{58}	17.6	X	331.92050	47.23920	343.44580	3.59882	0.1981687	0.28516927	2.2859544	21	11 1.1	19.1
164281 2004 XF_{71}	16.3	X	95.00923	206.46771	177.40567	5.29141	0.1074250	0.30704775	2.1760328	21	—	—
164282 2004 XZ_{71}	16.3	X	323.51097	322.93571	77.01739	9.39667	0.1178523	0.28362418	2.2942490	21	11 1.6	18.5
164283 2004 XU_{74}	15.7	X	350.71502	182.47354	289.26047	5.88616	0.0586396	0.24170260	2.5523986	21	—	—
164284 2004 XH_{75}	15.5	X	224.78834	305.11871	261.01543	11.42187	0.1309850	0.23287513	2.6164994	21	12 28.8	19.2
164285 2004 XF_{82}	17.2	X	263.30953	324.10181	125.14084	2.82561	0.1359848	0.28277947	2.2988156	21	9 24.1	19.7
164286 2004 XO_{86}	16.1	X	134.91725	318.53272	114.87582	5.89197	0.0902626	0.25636895	2.4541010	21	4 6.9	19.5
164287 2004 XJ_{87}	17.5	X	145.92583	266.07269	93.61333	3.59478	0.1660787	0.31351161	2.1460193	21	1 9.3	19.9
164288 2004 XA_{93}	17.1	X	271.50162	43.23144	4.67740	2.35670	0.1821344	0.27918405	2.3185100	21	7 28.9	19.8
164289 2004 XJ_{97}	14.4	X	154.71694	6.49190	301.52665	14.46188	0.2544825	0.17983520	3.1085146	21	—	—
164290 2004 XY_{106}	16.7	X	1.70312	345.06481	26.32036	3.83555	0.1986224	0.28948350	2.2631856	21	12 10.6	18.8
164291 2004 XK_{108}	16.1	X	229.03141	107.03741	312.54697	5.85534	0.0845938	0.27109016	2.3644323	21	7 3.9	19.4
164292 2004 XN_{121}	16.7	X	301.14463	289.24759	101.13824	7.07984	0.2455126	0.28067987	2.3102654	21	8 9.8	18.7
164293 2004 XO_{124}	15.2	X	267.69678	80.01888	50.80178	22.21079	0.0764786	0.22595137	2.6696812	21	11 23.0	18.6
164294 2004 XZ_{130}	20.4	X	217.10569	5.31755	211.25735	2.94699	0.4545945	2.03114367	0.6175076	21	—	—
164295 2004 XA_{131}	13.5	X	335.20087	81.38873	145.51205	32.72632	0.2866830	0.12045300	4.0606071	21	2 28.7	18.3
164296 2004 XD_{131}	16.3	X	45.32946	148.79194	239.97127	3.89001	0.1811708	0.29768765	2.2214106	21	—	—
164297 2004 XN_{140}	16.7	X	136.24216	296.94156	151.89454	3.19641	0.1327685	0.25930330	2.4355517	21	5 2.0	20.1
164298 2004 XY_{181}	16.3	X	187.44539	68.00964	35.81143	2.74394	0.1708337	0.26665939	2.3905516	21	7 13.7	20.2
164299 2004 XP_{186}	15.4	X	278.14457	140.34280	62.83014	9.97091	0.1176685	0.23961795	2.5671810	21	—	—
164300 2004 YN_{16}	16.1	X	64.77959	306.10205	349.72290	2.22112	0.0440116	0.21964382	2.7205501	21	10 22.7	19.9
164301 2004 YY_{20}	16.9	X	156.66357	233.32819	193.19989	0.49901	0.1686907	0.25893051	2.4378888	21	4 26.5	20.4
164302 2004 YH_{21}	16.8	X	247.87403	261.56651	123.08059	3.00357	0.1711340	0.26780326	2.3837396	21	5 29.9	20.2
164303 2004 YE_{25}	16.7	X	267.58108	66.56860	286.03822	1.44258	0.2023136	0.26633834	2.3924723	21	5 3.9	20.3
164304 2005 AR_{4}	16.2	X	208.85424	291.41573	59.10090	6.66881	0.0919606	0.25598315	2.4565662	21	3 13.9	19.9
164305 2005 AR_{10}	16.0	X	229.53035	355.23144	2.29189	5.18933	0.1234623	0.26031599	2.4292311	21	4 7.8	19.5
164306 2005 AC_{11}	16.5	X	148.27652	186.71635	219.06364	5.62311	0.1266402	0.25474578	2.4645145	21	3 16.7	20.2
164307 2005 AJ_{11}	15.9	X	263.43278	229.26494	298.87656	10.59445	0.0664525	0.23166558	2.6255989	21	—	—
164308 2005 AE_{12}	16.0	X	240.16900	353.43475	16.68700	5.16351	0.2051294	0.26442879	2.4039766	21	4 28.9	19.8
164309 2005 AL_{20}	16.4	X	143.43677	145.01088	258.69453	4.08178	0.0654044	0.25223777	2.4808241	21	3 1.1	19.8
164310 2005 AW_{20}	16.7	X	218.29167	261.29798	141.96460	4.07291	0.1235124	0.26532713	2.3985472	21	5 27.6	20.2
164311 2005 AC_{21}	16.4	X	269.04584	67.06900	292.96979	4.46330	0.2177206	0.26796206	2.3827977	21	5 12.7	20.0
164312 2005 AD_{22}	16.4	X	185.45851	245.14825	183.56083	2.48821	0.1737586	0.26252285	2.4155979	21	5 27.0	20.1
164313 2005 AL_{23}	16.6	X	236.49399	331.05473	40.67105	3.44517	0.1904289	0.26377979	2.4079181	21	4 29.6	20.3
164314 2005 AC_{26}	16.8	X	141.64262	222.36960	230.18271	0.33144	0.1289318	0.25970377	2.4330473	21	5 11.4	20.3
164315 2005 AW_{29}	15.9	X	266.01919	294.23412	106.21538	3.60161	0.0326817	0.21165024	2.7886255	21	8 1.1	19.7
164316 2005 AP_{32}	17.0	X	197.53286	240.88804	164.01048	1.99899	0.2253217	0.26364617	2.4087316	21	5 7.4	20.9
164317 2005 AS_{35}	15.9	X	99.58550	328.02529	127.60642	14.88646	0.2073105	0.25371095	2.4712115	21	4 13.1	19.4
164318 2005 AJ_{37}	16.3	X	296.35856	273.23062	166.67873	5.55440	0.0093856	0.22232324	2.6986474	21	11 7.3	19.9
164319 2005 AJ_{40}	16.0	X	305.04346	188.58203	325.02955	5.51174	0.1268586	0.23485061	2.6018060	21	—	—
164320 2005 AS_{41}	16.2	X	157.12822	118.15729	171.42752	5.12907	0.1109204	0.23368140	2.6104775	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164321 2005 AH_{43}	17.1	X	223.40882	78.45712	342.06286	1.10042	0.1688893	0.26864109	2.3787808	21	6 21.1	20.7
164322 2005 AT_{43}	16.3	X	72.21367	13.17812	60.41828	1.98408	0.0961742	0.24440996	2.5335148	21	1 9.1	19.0
164323 2005 AS_{46}	16.4	X	300.26625	223.13598	107.95749	3.25404	0.0918684	0.26723826	2.3870983	21	6 3.8	19.3
164324 2005 AU_{47}	17.1	X	209.28565	239.31885	138.91639	1.95379	0.1905447	0.26166279	2.4208882	21	4 14.5	21.1
164325 2005 AJ_{48}	15.8	X	146.59287	231.10257	300.45417	3.82082	0.0086450	0.21175862	2.7876740	21	8 20.9	19.7
164326 2005 AJ_{49}	15.8	X	332.60683	302.12097	128.32709	15.89729	0.1247736	0.22936601	2.6431188	21	12 17.7	18.9
164327 2005 AO_{49}	15.7	X	127.08717	263.55214	268.08060	4.81436	0.0392426	0.20867240	2.8150927	21	7 29.4	19.7
164328 2005 AH_{54}	16.1	X	5.44467	117.92862	327.55089	6.85254	0.0896556	0.23354851	2.6114676	21	—	—
164329 2005 AE_{69}	16.3	X	281.93909	227.43180	159.17093	6.87422	0.1417953	0.27230533	2.3573928	21	7 17.8	19.1
164330 2005 AG_{69}	16.6	X	189.11719	212.28233	166.04227	2.43382	0.2055554	0.25834885	2.4415467	21	3 28.4	20.5
164331 2005 AV_{72}	16.2	X	11.59367	245.09743	62.24581	1.22309	0.0906536	0.21144630	2.7904184	21	8 29.0	19.4
164332 2005 AW_{79}	16.7	X	294.05475	330.96591	24.70805	2.72875	0.2101934	0.26914279	2.3758238	21	6 9.3	19.5
164333 2005 BF	16.8	X	65.48859	175.67803	205.64858	3.74378	0.1299155	0.29728921	2.2233950	21	—	—
164334 2005 BF_{2}	15.5	X	125.68194	125.29938	121.41780	13.03094	0.0817087	0.22043084	2.7140706	21	11 11.1	19.8
164335 2005 BR_{2}	15.8	X	248.17944	23.47390	14.16655	24.78410	0.2390350	0.27012602	2.3700551	21	6 1.9	20.1
164336 2005 BB_{11}	16.2	X	29.95536	127.27417	334.25884	4.30551	0.0908163	0.24049583	2.5609298	21	—	—
164337 2005 BR_{12}	16.6	X	200.28752	81.86152	303.83923	0.46768	0.1876234	0.26113100	2.4241738	21	4 14.9	20.6
164338 2005 BN_{16}	15.8	X	202.64930	29.52127	354.46430	6.52142	0.1033512	0.26053447	2.4278727	21	4 13.4	19.5
164339 2005 BO_{16}	16.4	X	276.34607	292.48640	62.12039	2.98397	0.2323469	0.26975625	2.3722204	21	5 13.1	19.8
164340 2005 BF_{43}	16.2	X	82.84158	254.85991	139.96348	2.56284	0.1608919	0.24130402	2.5552085	21	—	—
164341 2005 CO	20.5	X	300.55053	42.82695	140.67134	13.01372	0.2543502	0.47505062	1.6267075	21	—	—
164342 2005 CP	20.8	X	86.97591	72.96140	138.94289	19.17058	0.3609637	0.50098190	1.5700785	21	10 5.5	23.3
164343 2005 CU_{12}	15.5	X	150.80589	308.00430	153.10915	12.70885	0.0382537	0.20018448	2.8941150	21	5 30.9	19.9
164344 2005 CJ_{14}	15.2	X	62.38756	340.56501	328.99334	13.34132	0.1746706	0.21866028	2.7287020	21	11 21.2	19.4
164345 2005 CV_{15}	16.9	X	181.35143	348.22854	199.79572	1.59000	0.1520089	0.27754738	2.3276158	21	10 26.4	20.3
164346 2005 CH_{31}	15.2	X	297.57410	173.53895	105.43292	3.12144	0.1843355	0.18883400	3.0089566	21	3 16.5	19.6
164347 2005 CN_{48}	16.1	X	246.83306	19.95384	130.06179	5.25734	0.0382504	0.22277123	2.6950282	21	11 28.4	19.8
164348 2005 CP_{49}	15.8	X	171.42974	2.03134	146.55540	8.17910	0.1407974	0.20856607	2.8160494	21	8 23.2	20.4
164349 2005 CO_{51}	16.0	X	229.95562	139.18067	63.49396	2.98962	0.0479125	0.22693775	2.6619397	21	—	—
164350 2005 CU_{52}	15.0	X	226.36503	159.96975	133.61239	7.82928	0.0628059	0.18130545	3.0916867	21	1 29.4	19.6
164351 2005 CA_{56}	16.7	X	243.02005	26.50521	10.21832	2.70519	0.1847453	0.26634284	2.3924454	21	6 7.8	20.2
164352 2005 CW_{57}	15.5	X	136.11817	7.02824	323.35236	11.94368	0.1743677	0.23545273	2.5973684	21	—	—
164353 2005 CH_{59}	15.7	X	126.70586	334.36489	182.32723	6.36636	0.1785884	0.26281455	2.4138101	21	7 23.3	19.5
164354 2005 CG_{62}	15.9	X	320.96019	307.68563	128.10767	12.14296	0.0468137	0.22445991	2.6814942	21	12 4.7	19.4
164355 2005 CQ_{65}	15.8	X	28.01542	21.63762	330.74494	5.27669	0.0239120	0.21954927	2.7213311	21	11 12.3	19.4
164356 2005 CF_{73}	16.2	X	323.70043	276.40246	45.20207	2.66219	0.0611150	0.20309403	2.8664076	21	7 2.4	19.9
164357 2005 CN_{75}	16.1	X	64.00032	229.78864	128.31063	12.93421	0.1569343	0.22895062	2.6463147	21	—	—
164358 2005 DB	14.9	X	245.01436	283.15392	325.40621	10.04485	0.0405291	0.17709393	3.1405106	21	—	—
164359 2005 EC_{1}	15.7	X	213.35165	352.40165	348.84334	0.41744	0.0125283	0.18734295	3.0249008	21	3 13.7	20.0
164360 2005 EL_{2}	16.1	X	261.60642	65.85508	325.46490	4.47245	0.0508541	0.20375156	2.8602374	21	7 11.3	20.1
164361 2005 EV_{11}	15.7	X	12.38884	279.00503	124.89091	6.65530	0.0385691	0.22544216	2.6736997	21	—	—
164362 2005 EH_{13}	16.2	X	67.48249	175.69997	141.75652	2.48202	0.0756443	0.22205062	2.7008557	21	11 28.6	19.9
164363 2005 EN_{14}	15.2	X	102.13795	22.01863	130.89521	2.93727	0.0230644	0.19584900	2.9366700	21	6 2.2	19.3
164364 2005 EG_{23}	15.1	X	288.76270	105.83012	164.76356	14.79483	0.0684972	0.18532157	3.0468570	21	3 11.2	19.3
164365 2005 EO_{35}	15.0	X	259.29457	287.95150	316.11525	3.77937	0.1249239	0.17298647	3.1900289	21	1 2.9	20.0
164366 2005 EV_{40}	14.7	X	351.75313	177.52378	14.75551	21.00797	0.0460130	0.18728909	3.0254807	21	3 6.3	19.0
164367 2005 EB_{46}	15.4	X	13.91336	82.44220	333.57140	14.17752	0.0640328	0.22779566	2.6552521	21	—	—
164368 2005 EJ_{48}	15.6	X	359.01682	31.32117	337.02917	8.19964	0.1905859	0.21727899	2.7402545	21	11 6.3	18.5
164369 2005 ED_{49}	15.7	X	157.39018	152.14250	338.30944	12.86116	0.0533837	0.20223004	2.8745659	21	7 17.4	20.0
164370 2005 EZ_{49}	15.3	X	41.76400	23.31692	6.80042	13.92013	0.1002546	0.22625056	2.6673271	21	—	—
164371 2005 ET_{65}	14.9	X	297.25787	241.37540	349.14395	9.65563	0.0175152	0.18078788	3.0975845	21	2 10.4	19.3
164372 2005 EU_{67}	15.4	X	333.78424	153.98741	152.78786	2.36067	0.0837564	0.19591512	2.9360092	21	6 25.3	18.9
164373 2005 ED_{68}	14.7	X	289.63515	274.66790	336.78270	19.64091	0.0837888	0.18079352	3.0975202	21	2 17.3	19.1
164374 2005 EM_{97}	16.6	X	185.75092	178.63812	237.22321	4.32247	0.2567083	0.26093529	2.4253858	21	5 11.3	20.8
164375 2005 EM_{107}	14.5	X	237.41079	294.34559	304.21314	12.73426	0.0871733	0.17166501	3.2063791	21	—	—
164376 2005 ET_{113}	14.7	X	213.23768	277.59135	106.57212	14.37051	0.1039803	0.19313501	2.9641172	21	5 7.4	19.5
164377 2005 EM_{118}	14.8	X	274.54335	111.86772	214.33018	8.63547	0.0807357	0.19279327	2.9676190	21	4 29.5	18.9
164378 2005 EY_{124}	15.7	X	194.53965	267.03734	172.53889	1.76536	0.0555242	0.19704949	2.9247304	21	6 21.7	20.0
164379 2005 EE_{134}	15.9	X	323.75002	192.34875	173.44018	4.16702	0.1143372	0.21063922	2.7975417	21	8 27.3	19.0
164380 2005 EB_{148}	15.3	X	165.99542	5.38542	135.92206	3.12836	0.0138279	0.20138873	2.8825661	21	8 6.6	19.2
164381 2005 EC_{168}	16.1	X	358.28148	286.25006	181.90368	7.83980	0.1898120	0.23304836	2.6152027	21	—	—
164382 2005 EQ_{182}	14.7	X	203.22124	167.50799	157.15852	16.93252	0.0581442	0.17954909	3.1118160	21	2 10.2	19.4
164383 2005 ES_{205}	16.7	X	199.74248	251.08293	123.21885	5.59911	0.2049950	0.25708164	2.4495634	21	4 3.5	20.8
164384 2005 EJ_{210}	15.7	X	169.03355	147.05813	194.88940	2.90784	0.0925160	0.17590670	3.1546254	21	1 28.7	20.5
164385 2005 EQ_{217}	15.5	X	225.17299	119.65928	168.03238	0.68345	0.0317910	0.17587603	3.1549921	21	1 23.2	20.1
164386 2005 EJ_{240}	15.7	X	142.46613	247.08693	158.54753	1.83956	0.0200436	0.18353829	3.0665609	21	3 9.2	19.9
164387 2005 EY_{263}	15.1	X	206.88036	154.09267	184.64637	5.86908	0.0492801	0.18138793	3.0907494	21	3 2.5	19.7
164388 2005 EG_{273}	16.0	X	45.75643	205.33863	177.27153	6.07689	0.0370793	0.22421162	2.6834735	21	—	—
164389 2005 EL_{278}	15.1	X	307.31588	11.05663	174.06353	6.71118	0.0473064	0.17101225	3.2145330	21	—	—
164390 2005 EO_{289}	15.0	X	242.05994	247.29267	86.05718	9.69342	0.0934047	0.18960270	3.0008184	21	4 5.3	19.7
164391 2005 EG_{318}	15.5	X	85.49262	350.40719	143.94244	1.86242	0.1278076	0.18646758	3.0343604	21	5 3.9	19.6
164392 2005 FG_{5}	16.4	X	257.46191	272.99562	164.74105	22.09025	0.2645753	0.27603953	2.3360844	21	8 7.0	19.9
164393 2005 GP_{1}	14.6	X	186.53937	218.02767	75.93257	13.75595	0.0416161	0.17329490	3.1862427	21	—	—
164394 2005 GH_{2}	15.4	X	18.16821	300.39614	112.39785	16.29782	0.0691445	0.22556231	2.6727501	21	—	—
164395 2005 GJ_{20}	15.7	X	279.92107	133.95441	29.37319	10.19258	0.1772923	0.22394006	2.6856424	21	—	—
164396 2005 GW_{38}	15.5	X	345.03807	145.66285	37.67891	2.91877	0.0820386	0.17820927	3.1273934	21	2 4.6	19.7
164397 2005 GK_{39}	15.6	X	132.88603	208.19191	191.55291	9.08552	0.0880628	0.17940836	3.1134430	21	2 25.6	20.2
164398 2005 GZ_{39}	15.8	X	95.15716	35.14900	36.52457	4.75435	0.1552426	0.23860349	2.5744523	21	2 22.9	18.9
164399 2005 GK_{45}	15.1	X	116.75376	283.55961	136.23087	10.85014	0.0562025	0.17998925	3.1067407	21	3 2.7	19.5
164400 2005 GN_{59}	17.3	X	335.05871	203.02356	218.96792	6.62476	0.4676535	0.46219679	1.6567288	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164401 2005 GU_{69}	15.6	X	149.33725	53.80978	301.41032	1.72621	0.2448312	0.23910677	2.5708385	21	1 29.9	19.6
164402 2005 GT_{104}	14.3	X	219.63765	331.92423	30.35802	17.63738	0.2063196	0.18394059	3.0620880	21	4 10.4	19.5
164403 2005 GR_{170}	15.1	X	353.79624	323.25649	225.67038	3.62490	0.0960695	0.17780729	3.1321052	21	2 19.9	19.1
164404 2005 JJ_{158}	15.7	X	85.01865	71.49780	232.35039	5.03767	0.0800683	0.21055786	2.7982623	21	11 30.4	19.8
164405 2005 UK_{504}	15.6	X	214.11704	270.70190	325.65213	13.75490	0.1537165	0.23956626	2.5675502	21	—	—
164406 2005 UV_{504}	16.3	X	163.70613	290.70899	327.10896	6.11645	0.0492940	0.29999834	2.2099892	21	—	—
164407 2005 YB_{207}	16.5	X	167.30757	266.17347	318.44708	3.88960	0.0730097	0.29735340	2.2230750	21	12 5.1	19.4
164408 2005 YA_{215}	16.4	X	89.08050	243.69415	17.08296	19.56661	0.0851759	0.35577570	1.9725069	21	10 27.6	18.8
164409 2005 YY_{237}	16.2	X	152.43427	270.37352	321.27851	5.91814	0.1087271	0.29564799	2.2316158	21	11 24.8	19.4
164410 2005 YT_{248}	14.8	X	264.73460	155.15891	67.71844	18.03495	0.1543222	0.17881320	3.1203478	21	—	—
164411 2006 AP_{35}	17.1	X	56.83382	330.06950	275.81229	0.70186	0.1887049	0.28310808	2.2970364	21	9 4.0	19.5
164412 2006 AE_{71}	16.7	X	340.37508	341.30514	242.81105	1.67445	0.1291042	0.26598361	2.3945990	21	2 24.7	19.5
164413 2006 AW_{75}	16.2	X	348.88069	263.17554	313.22068	6.91963	0.1456232	0.26500598	2.4004846	21	2 24.6	18.9
164414 2006 BK_{6}	17.0	X	175.66369	352.33347	330.20555	19.39866	0.0812820	0.38612652	1.8677395	21	—	—
164415 2006 BC_{34}	16.7	X	342.90121	280.37521	356.94388	2.10428	0.1825713	0.27108400	2.3644681	21	5 12.7	18.7
164416 2006 BA_{51}	16.1	X	311.87655	294.36829	316.73310	8.01924	0.2380759	0.26480408	2.4017047	21	2 5.7	19.1
164417 2006 BM_{57}	17.1	X	120.38825	263.87480	5.38138	3.55674	0.1331202	0.29936505	2.2131048	21	12 12.1	20.3
164418 2006 BU_{90}	16.4	X	76.38014	57.70496	154.48561	6.46574	0.1484547	0.27859158	2.3217960	21	8 6.6	19.1
164419 2006 BW_{94}	16.8	X	283.37063	124.87529	173.24155	2.49161	0.1804846	0.26605018	2.3941995	21	3 13.7	20.2
164420 2006 BH_{97}	16.6	X	165.90042	116.15703	172.13780	3.10583	0.1548797	0.24304753	2.5429739	21	—	—
164421 2006 BJ_{98}	15.9	X	274.43319	174.00019	63.21133	0.65949	0.2511804	0.18249759	3.0782080	21	—	—
164422 2006 BH_{123}	16.5	X	34.57833	259.05307	328.36049	1.70030	0.1639056	0.27261229	2.3556229	21	6 21.3	18.5
164423 2006 BZ_{136}	16.9	X	115.77168	187.70957	118.03403	6.60780	0.2001400	0.30503210	2.1856084	21	—	—
164424 2006 BP_{138}	16.9	X	2.56522	27.36205	225.30673	0.56522	0.1744969	0.27123524	2.3635891	21	5 19.1	18.5
164425 2006 BH_{140}	17.3	X	75.37672	117.40542	154.80906	1.79051	0.1516459	0.28983372	2.2613621	21	10 31.1	20.3
164426 2006 BF_{183}	16.6	X	273.75003	91.76881	164.04929	7.65360	0.1887019	0.25501775	2.4627620	21	1 10.5	20.5
164427 2006 BZ_{190}	15.3	X	203.24138	95.24907	166.46121	8.85753	0.1376707	0.23620847	2.5918254	21	—	—
164428 2006 BK_{241}	17.1	X	101.05856	164.86832	73.76758	2.25743	0.1575610	0.28801560	2.2708688	21	10 15.4	20.2
164429 2006 BU_{261}	16.4	X	332.77647	157.04550	142.16030	12.38751	0.2227141	0.27466974	2.3438447	21	5 24.6	18.8
164430 2006 BW_{267}	16.1	X	28.80209	254.54724	354.92752	8.57299	0.1913342	0.27565490	2.3382570	21	7 23.0	18.1
164431 2006 BL_{274}	17.5	X	131.75225	175.42416	131.96893	5.84468	0.1309523	0.30798992	2.1715927	21	—	—
164432 2006 CF_{23}	16.1	X	254.67065	26.36259	177.17184	11.58956	0.1137744	0.23769142	2.5810339	21	—	—
164433 2006 CJ_{40}	16.9	X	355.25686	170.59866	132.93506	7.22599	0.1183905	0.27911618	2.3188859	21	7 29.1	18.8
164434 2006 CS_{58}	15.4	X	152.27697	127.10303	171.27729	1.34005	0.0668329	0.18297556	3.0728450	21	—	—
164435 2006 CZ_{60}	16.4	X	21.58410	252.97138	338.04309	1.80012	0.1671067	0.27072146	2.3665786	21	5 28.2	18.1
164436 2006 CF_{62}	15.3	X	140.07734	61.89109	146.77464	13.52446	0.1430644	0.22060509	2.7126412	21	10 11.6	19.8
164437 2006 CP_{65}	16.9	X	81.54133	325.61310	343.59543	6.79750	0.2099772	0.29752927	2.2221988	21	12 30.5	20.4
164438 2006 DS	17.2	X	326.66957	25.43106	335.82767	17.77267	0.0826829	0.35293361	1.9830821	21	9 10.2	18.7
164439 2006 DM_{6}	17.3	X	345.27547	34.90881	348.24848	18.37098	0.0800345	0.36044926	1.9554196	21	11 22.8	19.5
164440 2006 DK_{14}	15.8	X	251.63794	214.66817	87.87332	7.50563	0.1059033	0.25800436	2.4437195	21	2 25.1	19.4
164441 2006 DX_{22}	17.0	X	309.63180	137.39632	107.24323	2.55083	0.1449418	0.25937011	2.4351334	21	2 9.3	20.1
164442 2006 DR_{31}	16.8	X	256.56866	129.49321	169.63094	1.42504	0.1779595	0.25881169	2.4386349	21	2 17.2	20.5
164443 2006 DH_{35}	15.8	X	294.95800	144.80696	174.84670	7.92078	0.3117558	0.20099437	2.8863353	21	4 14.3	20.1
164444 2006 DZ_{38}	16.9	X	0.98501	189.04536	168.32762	8.79858	0.2229584	0.28877738	2.2668734	21	11 24.4	18.9
164445 2006 DC_{39}	17.2	X	28.60065	228.21995	339.43621	0.74923	0.1261527	0.26776845	2.3839462	21	5 3.2	19.4
164446 2006 DO_{41}	16.2	X	66.00708	358.79300	247.51026	8.98641	0.1840343	0.28129021	2.3069223	21	9 11.9	19.4
164447 2006 DD_{44}	17.0	X	17.45050	116.77826	138.51272	2.14965	0.1156506	0.27634811	2.3343450	21	6 25.8	18.9
164448 2006 DX_{46}	15.9	X	299.47898	5.44114	188.49146	1.14005	0.2013074	0.18395588	3.0619184	21	—	—
164449 2006 DJ_{57}	15.8	X	266.90819	130.67644	82.13821	13.95646	0.0963334	0.24578031	2.5240890	21	—	—
164450 2006 DZ_{57}	16.8	X	278.25238	302.76002	312.26724	1.27046	0.1707921	0.25377880	2.4707710	21	1 16.3	20.3
164451 2006 DW_{60}	16.0	X	358.47627	123.39409	196.95272	3.58988	0.2614548	0.27674229	2.3321279	21	9 14.1	17.0
164452 2006 DF_{62}	16.4	X	24.19080	165.06851	81.06934	3.28172	0.1747539	0.27354811	2.3502473	21	6 30.9	18.2
164453 2006 DH_{65}	16.3	X	142.80857	21.70091	165.43710	5.57385	0.0613775	0.28379832	2.2933104	21	9 15.6	19.2
164454 2006 DM_{65}	16.0	X	211.77238	219.51235	50.76859	8.75787	0.1994055	0.24566116	2.5249050	21	—	—
164455 2006 DY_{66}	16.1	X	179.27348	308.40164	306.68342	11.00552	0.1371467	0.23816023	2.5776457	21	—	—
164456 2006 DG_{88}	17.0	X	108.95871	254.40103	2.69621	1.25006	0.0780694	0.29033808	2.2587424	21	11 10.1	20.1
164457 2006 DN_{89}	16.6	X	262.40291	145.49410	172.42352	13.40128	0.3158881	0.26101340	2.4249020	21	3 7.3	20.7
164458 2006 DN_{91}	15.7	X	115.36421	62.47832	169.35976	13.94583	0.1642718	0.22048964	2.7135881	21	10 16.4	20.1
164459 2006 DX_{97}	15.9	X	81.03930	191.88543	152.99445	13.58230	0.0520381	0.22861062	2.6489380	21	—	—
164460 2006 DS_{113}	16.2	X	8.77290	302.40818	6.55722	6.66036	0.1312186	0.28129075	2.3069193	21	9 7.9	18.2
164461 2006 DR_{129}	16.9	X	94.52977	199.42528	114.91172	5.74613	0.2141235	0.29853742	2.2171932	21	—	—
164462 2006 DW_{148}	17.0	X	326.29286	315.16963	330.67981	1.92296	0.1791903	0.26723229	2.3871338	21	4 23.9	19.5
164463 2006 DE_{152}	16.4	X	4.64951	81.86075	185.16789	4.39842	0.1146290	0.27151313	2.3619761	21	6 18.7	18.6
164464 2006 DE_{153}	16.5	X	0.69386	5.50450	350.92196	6.55595	0.1271431	0.28835079	2.2691086	21	11 1.9	18.8
164465 2006 DX_{153}	15.9	X	41.65294	115.84633	187.12035	13.81126	0.1962202	0.21849928	2.7300423	21	10 26.7	19.4
164466 2006 DS_{156}	16.1	X	312.23036	318.56849	357.00858	7.55400	0.3005969	0.27081688	2.3660227	21	4 20.9	19.0
164467 2006 DN_{193}	14.8	X	181.04263	232.80664	97.71578	18.76841	0.1541986	0.17619931	3.1511319	21	2 1.7	20.0
164468 2006 DS_{197}	16.7	X	146.52408	279.49404	293.86308	5.41299	0.1471364	0.28901236	2.2656445	21	10 23.8	20.2
164469 2006 DC_{199}	16.7	X	111.60363	221.93986	36.39659	5.99537	0.1373631	0.28960682	2.2625431	21	11 17.7	20.0
164470 2006 DN_{200}	16.6	X	111.89122	37.97686	198.55157	6.78919	0.0697220	0.28715146	2.2754224	21	10 16.4	19.5
164471 2006 DP_{207}	17.0	X	221.55659	31.17611	189.64856	4.24610	0.0654207	0.30290236	2.1958413	21	—	—
164472 2006 DE_{210}	17.0	X	84.44149	301.90121	30.90925	1.91766	0.1789127	0.29820810	2.2188252	21	—	—
164473 2006 EV_{1}	16.8	X	285.09942	233.99611	83.84504	2.43332	0.1831146	0.26863093	2.3788408	21	4 11.3	20.0
164474 2006 EB_{16}	16.7	X	259.93425	277.20395	32.24560	1.70550	0.1944083	0.25940864	2.4348923	21	3 4.7	20.6
164475 2006 EV_{19}	17.1	X	131.65331	167.44573	24.00798	1.93973	0.1703999	0.28180089	2.3041344	21	9 14.3	20.4
164476 2006 EM_{25}	17.2	X	51.52859	92.71294	179.69979	2.40179	0.1528154	0.28342511	2.2953231	21	9 29.3	19.8
164477 2006 EF_{30}	16.9	X	139.72285	336.12266	213.33875	4.39289	0.1786844	0.28387531	2.2928957	21	9 17.8	20.5
164478 2006 FO_{8}	16.8	X	338.98595	125.68908	187.18662	2.66483	0.1007129	0.27275898	2.3547782	21	7 11.3	19.1
164479 2006 FT_{15}	15.8	X	175.33478	242.67836	25.10188	15.94705	0.1688919	0.23448370	2.6045195	21	—	—
164480 2006 FZ_{21}	17.2	X	169.07916	193.07210	22.26666	2.29535	0.0770550	0.29309917	2.2445347	21	11 23.9	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164481 2006 FN_{23}	15.3	X	166.94149	158.67961	134.07119	2.08959	0.1578227	0.17176023	3.2051939	21	—	—
164482 2006 FG_{24}	16.5	X	162.74753	103.90168	164.69925	3.58706	0.1093628	0.23306951	2.6150445	21	—	—
164483 2006 FV_{26}	16.7	X	149.88280	178.87471	43.00165	2.91873	0.0334494	0.29183047	2.2510352	21	11 11.4	19.6
164484 2006 FO_{31}	15.6	X	233.55885	99.28542	141.48033	1.83551	0.1309932	0.17544058	3.1602105	21	—	—
164485 2006 FV_{32}	16.4	X	355.96754	165.13164	172.24547	4.02659	0.1091763	0.21411194	2.7672100	21	9 14.3	19.3
164486 2006 FR_{34}	15.9	X	99.39170	319.83863	295.74232	5.36735	0.1992270	0.21832074	2.7315305	21	10 28.0	20.3
164487 2006 FB_{35}	16.8	X	308.57401	351.47588	107.16780	5.20828	0.0680983	0.30015507	2.2092198	21	—	—
164488 2006 FP_{40}	16.8	X	100.16049	160.97397	153.33120	6.47161	0.1182981	0.30034814	2.2082729	21	—	—
164489 2006 FR_{41}	16.6	X	213.79787	185.34019	182.00727	5.09683	0.0918196	0.26072013	2.4267200	21	4 6.4	19.9
164490 2006 FD_{45}	16.5	X	309.49874	229.83922	33.59123	1.66540	0.1061912	0.26057348	2.4276304	21	3 11.9	19.5
164491 2006 FB_{46}	15.7	X	87.40370	253.41918	340.16156	6.80361	0.1633832	0.21489102	2.7605177	21	9 15.9	19.7
164492 2006 FS_{49}	14.3	X	152.37927	202.93193	108.28683	25.26513	0.1409497	0.17080799	3.2170952	21	—	—
164493 2006 FF_{50}	14.7	X	306.34841	62.33017	138.37722	23.06212	0.0897245	0.18236785	3.0796678	21	1 4.9	19.4
164494 2006 FY_{52}	16.7	X	199.37845	164.83861	123.14527	1.62046	0.1276011	0.24219871	2.5489119	21	—	—
164495 2006 FG_{53}	16.3	X	137.75938	156.54064	210.57753	2.14362	0.0837025	0.24687509	2.5166213	21	1 11.1	19.6
164496 2006 GD_{14}	16.8	X	159.35355	339.25060	160.06739	3.79756	0.1773019	0.27868659	2.3212682	21	8 2.1	20.5
164497 2006 GR_{27}	15.9	X	325.65932	169.42536	172.40645	4.84392	0.1288002	0.20887451	2.8132765	21	7 25.5	19.1
164498 2006 GP_{29}	16.7	X	25.96270	185.01599	199.10160	6.80312	0.1885702	0.29426680	2.2385933	21	—	—
164499 2006 GO_{34}	16.1	X	204.88185	69.84658	171.81330	13.51274	0.1461205	0.23687806	2.5869388	21	—	—
164500 2006 GZ_{34}	15.3	X	234.60516	239.98375	52.68455	6.20868	0.1682223	0.18294202	3.0732206	21	2 2.9	20.4
164501 2006 GK_{35}	16.0	X	114.22714	309.16679	24.33618	7.38371	0.1610559	0.30021604	2.2089207	21	—	—
164502 2006 GM_{35}	16.3	X	98.70515	132.00030	24.71444	7.08965	0.0526254	0.26964534	2.3728709	21	6 2.3	19.3
164503 2006 GY_{38}	16.8	X	75.22972	5.91821	197.17627	6.28956	0.0417090	0.27304881	2.3531116	21	7 4.2	19.8
164504 2006 GT_{41}	15.6	X	182.96006	51.73233	157.49530	12.11697	0.1155319	0.22738989	2.6584100	21	11 22.1	19.9
164505 2006 GP_{44}	15.8	X	263.37592	298.98876	49.83820	10.34386	0.2447808	0.26275142	2.4141968	21	4 22.9	19.6
164506 2006 GO_{45}	15.3	X	21.21275	93.89311	207.82822	19.81882	0.1579995	0.21078462	2.7962549	21	9 8.1	18.8
164507 2006 GU_{45}	16.2	X	269.12899	7.53370	138.77920	2.71328	0.0782208	0.23491653	2.6013193	21	12 19.4	19.4
164508 2006 GH_{51}	15.0	X	263.76384	323.98438	267.26327	15.17510	0.1757463	0.17901181	3.1180394	21	—	—
164509 2006 GH_{53}	14.7	X	178.41881	195.68124	105.01050	18.55881	0.1996843	0.17529031	3.1620163	21	—	—
164510 2006 GB_{54}	16.0	X	131.35152	215.70496	80.53497	5.30248	0.1593666	0.22967424	2.6407534	21	—	—
164511 2006 HO_{1}	14.9	X	239.05580	192.53726	80.50474	9.26671	0.2430605	0.17947551	3.1126665	21	1 11.3	20.3
164512 2006 HG_{2}	15.0	X	212.63201	241.70485	32.39073	19.49061	0.2187742	0.17645000	3.1481465	21	—	—
164513 2006 HT_{7}	14.8	X	190.38714	258.59392	45.56531	26.22674	0.1644231	0.17483385	3.1675176	21	1 10.9	20.4
164514 2006 HS_{10}	15.9	X	88.25964	182.65307	102.57835	6.15450	0.0903577	0.22208284	2.7005945	21	11 15.7	19.8
164515 2006 HR_{13}	15.9	X	166.58065	257.08952	350.64192	2.17925	0.1177526	0.22968951	2.6406364	21	12 19.8	20.0
164516 2006 HT_{13}	16.8	X	163.09425	210.40512	333.34372	4.34518	0.0883868	0.28654296	2.2786426	21	10 3.4	19.9
164517 2006 HZ_{16}	15.9	X	288.10746	205.57159	143.97925	5.88116	0.1237260	0.20343655	2.8631893	21	6 9.9	19.8
164518 Patoche	16.7	X	81.94592	92.62759	202.30740	1.88258	0.1221605	0.22204996	2.7008611	21	11 22.8	20.5
164519 2006 HP_{24}	16.6	X	173.48134	219.84059	113.03331	3.39584	0.0962842	0.24318910	2.5419869	21	1 11.9	20.3
164520 2006 HX_{28}	15.5	X	128.35713	14.42192	189.05855	12.95971	0.1322052	0.21408389	2.7674518	21	9 17.6	19.8
164521 2006 HC_{36}	16.7	X	281.10503	1.53056	293.14199	1.33619	0.0724891	0.26171872	2.4205433	21	3 20.3	19.8
164522 2006 HU_{43}	16.4	X	127.41181	354.73817	246.31436	1.96044	0.0813989	0.22011066	2.7167020	21	10 31.6	20.5
164523 2006 HF_{47}	15.0	X	189.15267	224.04581	81.50983	17.48844	0.1812550	0.17500525	3.1654491	21	1 10.8	20.3
164524 2006 HR_{60}	15.8	X	174.54752	271.44156	42.40379	13.42040	0.2586898	0.23765836	2.5812733	21	1 4.2	20.4
164525 2006 HF_{63}	15.7	X	311.19737	172.63122	153.36694	2.55297	0.0816271	0.20309989	2.8663524	21	6 17.0	19.3
164526 2006 HA_{64}	16.8	X	332.15510	268.65220	136.42009	2.71552	0.0718477	0.22247996	2.6973799	21	11 8.8	20.0
164527 2006 HT_{65}	15.6	X	29.88123	92.39811	200.27692	3.94567	0.0370546	0.21148491	2.7900787	21	8 29.7	19.3
164528 2006 HB_{69}	16.5	X	301.60853	277.40177	90.14725	2.55894	0.1965921	0.27134987	2.3629233	21	7 12.6	19.0
164529 2006 HS_{86}	15.5	X	211.00235	98.46243	166.32476	1.66526	0.1610153	0.17349410	3.1838034	21	—	—
164530 2006 HO_{89}	16.0	X	344.38177	303.19327	21.32551	14.65107	0.1472934	0.27340496	2.3510677	21	8 18.2	18.4
164531 2006 HX_{94}	17.2	X	105.41522	140.08552	199.23758	5.04869	0.2255319	0.29914762	2.2141771	21	—	—
164532 2006 HD_{97}	16.7	X	216.17058	358.73125	19.26080	1.38921	0.1943434	0.25882406	2.4385572	21	4 19.3	20.6
164533 2006 HK_{99}	16.6	X	233.30465	265.46311	122.37226	1.39389	0.2187889	0.26359462	2.4090456	21	5 15.9	20.6
164534 2006 HJ_{110}	15.7	X	83.83702	259.52568	20.83737	6.20094	0.1194028	0.21851541	2.7299080	21	11 4.7	19.6
164535 2006 HA_{128}	16.6	X	277.92625	250.20460	355.48079	4.10187	0.1693704	0.24750253	2.5123663	21	1 6.3	20.4
164536 Davehinson	16.6	X	349.51800	259.39571	48.41622	2.71926	0.0792126	0.20449734	2.8532792	21	7 23.4	20.1
164537 2006 JF_{5}	16.8	X	127.81025	52.78331	332.91102	0.85310	0.1071773	0.24684092	2.5168536	21	1 26.5	19.9
164538 2006 JC_{6}	16.0	X	344.03276	188.99079	116.13791	3.23306	0.0097225	0.20550629	2.8439326	21	7 12.9	19.9
164539 2006 JQ_{8}	16.6	X	290.97104	159.34136	270.48129	1.98153	0.0646558	0.21951972	2.7215753	21	10 8.5	20.1
164540 2006 JR_{8}	16.5	X	7.52538	56.85057	284.27629	2.28799	0.1027810	0.21484754	2.7608901	21	10 7.5	19.7
164541 2006 JR_{10}	16.0	X	161.50208	347.87973	303.11435	1.25116	0.0901306	0.23348675	2.6119281	21	—	—
164542 2006 JO_{15}	16.9	X	148.63528	64.26922	268.69505	0.39286	0.1585671	0.23864857	2.5741281	21	—	—
164543 2006 JK_{19}	16.4	X	349.96684	164.88779	138.26669	2.79300	0.0443728	0.20570700	2.8420824	21	7 17.5	19.9
164544 2006 JU_{29}	15.9	X	31.08662	129.50097	193.90096	5.09683	0.1131174	0.21665108	2.7455465	21	10 23.9	19.1
164545 2006 JU_{30}	16.7	X	278.32943	341.97932	17.98015	3.26963	0.1730297	0.27009266	2.3702502	21	5 30.3	19.8
164546 2006 JY_{39}	15.7	X	253.79183	246.89714	122.98271	3.01859	0.0859783	0.19809165	2.9144634	21	5 29.7	19.9
164547 2006 JY_{43}	16.5	X	345.69684	180.01326	188.88234	4.46589	0.2225541	0.27971717	2.3155631	21	11 3.1	17.8
164548 2006 JC_{48}	16.3	X	63.84599	268.49718	1.51025	1.83317	0.1872005	0.21246925	2.7814547	21	10 8.7	20.1
164549 2006 JE_{58}	15.6	X	139.28265	289.49527	326.57070	17.36009	0.1531400	0.22648298	2.6655019	21	12 1.2	20.3
164550 2006 KP	16.4	X	323.29008	359.76296	189.38154	1.99585	0.0693363	0.24604005	2.5223122	21	—	—
164551 2006 KM_{1}	15.9	X	144.73606	290.14135	44.17372	5.88021	0.2447445	0.23262060	2.6184077	21	1 2.0	19.9
164552 2006 KJ_{6}	16.8	X	167.96912	334.27295	250.71777	0.51341	0.0687211	0.22430406	2.6827362	21	11 24.9	20.6
164553 2006 KW_{7}	17.4	X	276.25701	337.49178	190.37619	0.49369	0.0497377	0.23380330	2.6095700	21	—	—
164554 2006 KU_{9}	16.0	X	192.86095	5.21637	192.30810	5.43137	0.1536156	0.22468634	2.6796923	21	11 12.7	20.1
164555 2006 KZ_{16}	14.7	X	180.06612	237.84711	74.60726	18.65280	0.1507849	0.17415552	3.1757371	21	1 9.8	20.0
164556 2006 KN_{17}	15.4	X	241.29228	114.63950	175.43825	9.18194	0.0810334	0.18162476	3.0880621	21	2 7.1	20.1
164557 2006 KQ_{22}	15.4	X	178.79572	206.54342	120.84235	7.01956	0.1632833	0.17512236	3.1640376	21	1 26.1	20.4
164558 2006 KA_{27}	15.5	X	183.64289	9.22068	182.53598	11.98142	0.1200496	0.22420225	2.6835482	21	10 30.9	19.7
164559 2006 KJ_{42}	15.3	X	206.62743	47.51570	246.07493	4.29938	0.1680885	0.17511478	3.1641290	21	1 10.4	20.5
164560 2006 KW_{45}	16.1	X	173.99103	230.70323	169.53568	2.56959	0.1557463	0.19068920	2.9894089	21	4 14.9	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164561 2006 KZ_{47}	16.4	X	41.52481	177.73720	178.13740	3.83353	0.0036261	0.22480976	2.6787115	21	12 4.9	19.9
164562 2006 KB_{50}	16.0	X	175.70254	210.91237	217.45268	6.39505	0.0950042	0.26256529	2.4153376	21	5 14.9	19.5
164563 2006 KO_{52}	16.5	X	87.52415	313.29634	156.67779	4.11105	0.0714143	0.25419455	2.4680762	21	3 18.6	19.3
164564 2006 KY_{52}	15.9	X	261.63453	247.77610	128.87313	5.09229	0.0826397	0.20128132	2.8835915	21	6 17.1	19.9
164565 2006 KE_{59}	16.0	X	157.84818	270.63283	173.46655	6.47466	0.0909423	0.26190773	2.4193786	21	5 16.7	19.4
164566 2006 KL_{68}	15.7	X	64.57098	316.33362	55.55206	10.87463	0.3041687	0.22557563	2.6726449	21	—	—
164567 2006 KL_{73}	15.5	X	153.95801	266.99135	142.75801	9.99693	0.0659023	0.18804470	3.0173706	21	4 3.8	20.0
164568 2006 KU_{82}	17.0	X	271.74038	193.78238	196.65089	4.61214	0.1372181	0.27649280	2.3335306	21	7 9.5	19.9
164569 2006 KX_{82}	17.0	X	165.62077	77.07370	31.21317	0.77051	0.1726288	0.27028526	2.3691241	21	6 28.5	20.6
164570 2006 KP_{91}	16.6	X	338.23879	198.52468	166.69309	3.09891	0.0955395	0.21367710	2.7709630	21	9 22.9	19.9
164571 2006 KB_{108}	16.0	X	60.58009	302.28455	334.82244	1.26364	0.0639932	0.21529901	2.7570292	21	9 25.7	19.6
164572 2006 KD_{122}	14.5	X	183.70940	135.70945	240.50594	13.99743	0.3430355	0.18140924	3.0905073	21	3 25.3	20.5
164573 2006 KK_{122}	16.0	X	231.52873	93.58857	138.97674	4.14912	0.1909936	0.23542470	2.5975746	21	—	—
164574 2006 MQ_{4}	15.1	X	230.15822	176.80541	151.34980	10.09121	0.2020510	0.18377198	3.0639606	21	3 9.3	20.2
164575 2006 MF_{9}	15.3	X	279.45165	85.49376	149.75472	5.99261	0.1129556	0.17181058	3.2045676	21	1 13.4	20.2
164576 2006 SV_{28}	15.3	X	137.38428	116.82938	320.94947	15.75693	0.1035319	0.17571903	3.1568711	21	4 13.1	20.4
164577 2006 SQ_{124}	14.7	X	183.20816	262.09986	160.42574	22.89144	0.1640158	0.17210088	3.2009631	21	5 24.6	20.4
164578 2006 SW_{159}	17.0	X	51.44064	287.94010	53.26463	2.22864	0.2059250	0.27201298	2.3590816	21	—	—
164579 2006 SW_{353}	17.1	X	86.44890	304.21504	48.92974	7.91823	0.1395500	0.27940071	2.3173113	21	—	—
164580 2006 SN_{356}	17.0	X	317.01162	182.38699	158.53225	2.87543	0.1352794	0.25274381	2.4775116	21	7 9.3	19.6
164581 2006 TF_{47}	15.3	X	252.14527	324.52216	43.63459	11.14198	0.2341844	0.17735829	3.1373892	21	5 10.2	20.4
164582 2006 WU_{193}	16.1	X	351.47346	1.29360	69.77617	3.25336	0.0823300	0.19733075	2.9219506	21	—	—
164583 2007 BO_{27}	16.5	X	217.17591	297.07643	104.41836	3.85540	0.1184528	0.23151260	2.6267554	21	5 25.5	20.6
164584 2007 DG_{10}	16.5	X	273.78476	228.07406	72.44592	1.28750	0.0443714	0.21451229	2.7637659	21	3 29.9	20.2
164585 Oenomaos	12.7	X	334.23427	160.10629	236.11099	13.99110	0.0367752	0.08243815	5.2285817	21	10 7.3	19.6
164586 Arlette	16.3	X	214.79988	28.72320	224.53469	6.90110	0.1285281	0.24526157	2.5276468	21	—	—
164587 Taesch	15.0	X	184.89901	202.89716	134.62004	15.73084	0.2019254	0.18113694	3.0936039	21	2 12.6	20.3
164588 2007 PP	17.0	X	245.88620	203.39557	145.08699	5.27749	0.2827737	0.26606321	2.3941214	21	4 4.7	21.2
164589 La Sagra	16.6	X	247.30582	175.23024	128.29830	1.33967	0.2201507	0.25806276	2.4433508	21	2 12.7	20.7
164590 2007 PF_{25}	16.4	X	99.18030	236.11117	62.24546	3.15427	0.1938191	0.22896420	2.6462102	21	12 20.6	20.8
164591 2569 P–L	16.3	X	248.63037	8.28253	14.18716	9.59886	0.2098228	0.27131875	2.3631040	21	5 20.8	20.1
164592 2761 P–L	16.2	X	306.18871	180.31725	174.49014	5.33859	0.2444658	0.27300340	2.3533725	21	6 21.7	18.7
164593 4114 P–L	15.2	X	224.32578	5.77841	5.72734	18.20892	0.2379285	0.18912508	3.0058685	21	4 16.3	20.5
164594 4144 P–L	16.1	X	55.88404	253.40068	197.57009	3.04243	0.2748865	0.23204062	2.6227690	21	1 22.5	18.0
164595 4791 P–L	17.4	X	287.59397	327.04411	7.40485	1.17312	0.2054114	0.27168653	2.3609710	21	5 1.9	20.5
164596 4802 P–L	14.9	X	152.74140	353.68559	9.97369	19.36010	0.1121577	0.16969138	3.2311927	21	2 18.0	20.1
164597 6025 P–L	16.6	X	30.39487	31.89215	342.71519	5.52412	0.0442487	0.29392841	2.2403111	21	—	—
164598 6252 P–L	16.7	X	220.45811	350.03843	336.13925	2.60180	0.1732354	0.25214897	2.4814065	21	2 19.5	20.7
164599 6366 P–L	15.8	X	51.56591	279.55201	350.47182	7.28818	0.1943894	0.20975490	2.8053990	21	9 23.0	19.2
164600 1060 T–2	15.8	X	73.87923	184.83490	186.49885	13.48539	0.1785168	0.23147092	2.6270707	21	—	—
164601 1123 T–2	16.3	X	341.22884	53.84202	1.31296	7.82516	0.1111057	0.29027440	2.2590728	21	12 27.0	18.6
164602 1301 T–2	16.7	X	343.99302	23.95034	358.16952	6.22728	0.1449445	0.28867729	2.2673974	21	11 11.8	18.7
164603 1422 T–2	16.5	X	307.57267	73.75599	5.28835	5.45798	0.1087385	0.28956169	2.2627782	21	11 27.6	18.6
164604 2054 T–2	15.4	X	334.04085	326.12432	349.48985	7.88621	0.3151319	0.20408408	2.8571297	21	6 6.6	18.1
164605 4097 T–2	15.6	X	60.81332	18.59493	16.76696	13.21971	0.1177908	0.23181320	2.6244840	21	—	—
164606 3167 T–3	16.6	X	106.73298	327.72373	40.82554	2.12624	0.1382620	0.23142893	2.6273885	21	—	—
164607 3273 T–3	16.9	X	247.93236	95.18134	241.70456	0.54179	0.2042861	0.26174479	2.4203826	21	3 26.0	20.9
164608 3307 T–3	17.1	X	77.02809	158.57429	168.05993	1.88372	0.2159975	0.29570578	2.2313250	21	—	—
164609 3829 T–3	17.1	X	27.42449	334.56565	30.41229	4.32943	0.1217104	0.29407038	2.2395900	21	12 31.0	19.8
164610 3840 T–3	15.5	X	256.32493	335.24582	23.30846	2.37134	0.1070293	0.19552883	2.9398749	21	5 14.8	19.9
164611 4066 T–3	16.1	X	233.71748	326.16170	52.03223	8.69971	0.1233424	0.26274027	2.4142651	21	5 10.2	19.5
164612 5693 T–3	16.2	X	206.13143	196.10732	168.03144	12.92960	0.1945531	0.26017249	2.4301242	21	3 25.9	20.3
164613 1981 EQ_{38}	16.0	X	318.26944	0.09474	185.19895	13.50229	0.1080198	0.24180015	2.5517121	21	—	—
164614 1981 EJ_{41}	15.6	X	89.14660	305.18472	179.24000	5.57104	0.1821841	0.17464626	3.1697854	21	5 5.6	20.1
164615 1981 RU_{7}	15.8	X	102.06773	226.73056	144.83665	13.17394	0.3020353	0.23052107	2.6342822	21	1 7.2	19.1
164616 1986 WV_{8}	15.9	X	123.89198	161.42737	239.38684	3.96259	0.3308208	0.23744286	2.5828349	21	3 10.1	19.9
164617 1990 RP_{7}	16.1	X	165.64147	226.02959	131.29466	1.04344	0.4082002	0.17684559	3.1434500	21	2 28.9	22.0
164618 1991 VX_{11}	15.3	X	91.54833	274.74289	208.90335	10.68987	0.0394447	0.18163655	3.0879283	21	4 14.7	19.7
164619 1992 EF_{4}	16.0	X	317.33971	31.39696	117.10447	2.64766	0.1358390	0.23058558	2.6337908	21	—	—
164620 1992 RA_{3}	16.6	X	292.34945	93.13168	281.06981	1.16681	0.2187101	0.26904276	2.3764126	21	7 2.9	19.4
164621 1992 SC_{4}	17.0	X	255.29645	11.09814	47.32326	2.12074	0.1763951	0.26864223	2.3787740	21	7 23.1	20.3
164622 1993 FN_{5}	16.3	X	327.98686	356.38605	161.93842	5.60260	0.0882603	0.23868115	2.5738939	21	—	—
164623 1993 FR_{38}	15.2	X	71.77971	111.61396	14.19726	18.51975	0.1524398	0.17673258	3.1447899	21	4 7.1	19.1
164624 1993 FK_{44}	16.6	X	246.20276	61.36069	187.21832	3.54378	0.0901566	0.30768031	2.1730493	21	—	—
164625 1993 TC_{15}	15.8	X	342.58039	181.81059	178.64048	4.44895	0.0889837	0.21000340	2.8031855	21	9 22.8	19.2
164626 1993 TL_{41}	16.2	X	1.95756	190.13563	174.56464	5.41833	0.0610134	0.21213732	2.7843553	21	10 29.3	19.7
164627 1993 UT_{7}	16.8	X	5.20853	221.83297	139.32078	4.16378	0.1593284	0.28291492	2.2980818	21	11 25.0	18.9
164628 1993 UX_{7}	16.6	X	277.66060	274.16165	152.37846	4.94275	0.0773994	0.27916904	2.3185932	21	9 22.2	19.2
164629 1994 AB_{13}	14.0	X	294.75077	296.94218	68.78280	3.97180	0.1443345	0.12639874	3.9322478	21	7 7.1	19.2
164630 1994 PO_{6}	16.1	X	86.83102	160.30620	257.45491	1.34040	0.2080867	0.23535551	2.5980837	21	1 28.6	18.8
164631 1994 RF_{9}	16.0	X	148.29124	251.58544	355.86271	10.93616	0.1966957	0.22657237	2.6648008	21	11 28.7	20.7
164632 1994 RM_{14}	17.2	X	176.89114	333.03426	323.64706	2.98060	0.1612184	0.30887038	2.1674639	21	—	—
164633 1994 SW_{4}	16.4	X	54.01612	296.78584	22.96259	2.30298	0.0886531	0.22250641	2.6971661	21	11 15.8	19.9
164634 1994 UB_{6}	16.0	X	52.88965	119.04034	264.21167	2.89302	0.2259591	0.22637248	2.6663693	21	—	—
164635 1994 WW_{8}	15.7	X	42.14162	199.71226	214.42157	11.54530	0.1820545	0.22610083	2.6685046	21	—	—
164636 1995 BR_{8}	17.0	X	350.07023	55.92539	345.44792	3.17164	0.0695761	0.28872036	2.2671718	21	12 15.9	19.3
164637 1995 CC_{10}	17.0	X	108.93490	244.08464	42.81090	2.36359	0.0151512	0.28804235	2.2707282	21	12 15.6	19.7
164638 1995 FW_{17}	16.2	X	112.81911	32.11282	119.43820	3.20785	0.0976133	0.19754264	2.9198608	21	6 23.7	20.5
164639 1995 FZ_{18}	16.8	X	79.80478	214.67639	8.49379	5.95929	0.1873320	0.27430883	2.3459001	21	9 3.9	19.8
164640 1995 GN_{4}	16.7	X	233.65403	37.14911	75.22595	3.58700	0.1159194	0.28041713	2.3117082	21	9 19.9	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164641 1995 MK_4	15.3	X	218.28622	181.31510	158.11692	11.72806	0.1000863	0.17801897	3.1296219	21	3 16.6	20.2
164642 1995 SJ_7	17.0	X	168.04027	148.46344	178.76642	4.00642	0.1617859	0.24514548	2.5284447	21	1 4.6	20.9
164643 1995 SU_{12}	15.2	X	185.99394	339.43373	349.86724	4.02727	0.1309497	0.17070320	3.2184118	21	2 3.6	20.4
164644 1995 SH_{14}	15.8	X	304.32883	110.67361	149.01676	0.99649	0.1509258	0.17657899	3.1466133	21	3 6.1	20.3
164645 1995 SS_{65}	15.7	X	76.06291	246.60565	200.07112	1.59246	0.0973905	0.17122577	3.2118602	21	2 16.9	19.8
164646 1995 SU_{86}	16.4	X	304.23280	168.40899	30.80147	7.01558	0.0742144	0.24371080	2.5383580	21	—	—
164647 1995 UX_{25}	15.8	X	357.81875	37.85081	142.56275	3.23635	0.0500911	0.17061166	3.2195629	21	2 21.9	20.1
164648 1995 UG_{33}	15.3	X	175.74678	334.95466	88.70681	5.66422	0.1700133	0.17480532	3.1678622	21	5 16.2	20.5
164649 1995 VA_{18}	16.3	X	268.24646	312.02855	237.77396	7.40947	0.1393816	0.23373566	2.6100735	21	—	—
164650 1995 WT_{36}	16.1	X	239.89714	359.70396	183.49836	5.64790	0.1949424	0.22917839	2.6445611	21	12 9.6	19.8
164651 1996 AM_7	16.3	X	302.48739	185.50374	20.73008	2.16094	0.0478848	0.23449657	2.6044242	21	—	—
164652 1996 AD_{13}	16.2	X	113.96794	147.00053	174.98337	9.14946	0.1168741	0.22631711	2.6668042	21	—	—
164653 1996 FS_{14}	17.3	X	40.21339	186.51069	84.66863	2.74835	0.2346150	0.28359878	2.2943860	21	9 25.9	19.6
164654 1996 GM_{16}	15.5	X	75.09726	213.39976	98.51377	4.98619	0.0773016	0.21594515	2.7515268	21	11 30.0	19.4
164655 1996 HR_1	17.0	X	141.72207	73.88273	168.86597	5.03006	0.0860671	0.29232785	2.2484812	21	11 30.1	20.2
164656 1996 RP_5	16.6	X	288.62510	171.90452	248.82182	6.23109	0.2134072	0.27409257	2.3471339	21	9 2.8	19.3
164657 1996 RU_6	15.9	X	218.94259	128.71565	351.14213	11.43570	0.0278370	0.27598347	2.3364007	21	9 19.6	18.8
164658 1996 RG_9	15.3	X	171.29560	177.96263	159.86205	17.06072	0.0848249	0.17719716	3.1392908	21	1 24.9	20.3
164659 1996 RT_{13}	15.0	X	352.04718	213.40880	349.25021	4.79005	0.1209503	0.18171731	3.0870135	21	3 5.5	18.8
164660 1996 RE_{16}	16.7	X	152.44370	157.87565	344.18295	2.29863	0.1300680	0.27021421	2.3695393	21	7 29.3	20.1
164661 1996 ST_7	15.0	X	160.15203	111.19809	282.00581	7.00131	0.0951569	0.17914843	3.1164539	21	3 17.7	19.8
164662 1996 TC_9	15.4	X	148.89187	32.27246	18.07493	9.50685	0.1065431	0.17972562	3.1097780	21	3 31.9	20.1
164663 1996 TQ_{13}	17.2	X	256.14280	357.38855	29.52655	1.66748	0.1808574	0.26791344	2.3830860	21	6 9.3	20.5
164664 1996 TH_{17}	16.7	X	220.96343	149.84740	321.15084	6.55742	0.1580276	0.27296307	2.3536043	21	8 25.5	20.0
164665 1996 TO_{20}	15.1	X	260.81830	62.38702	210.93921	18.40117	0.3288037	0.17932314	3.1144295	21	1 17.8	20.9
164666 1996 TB_{30}	16.9	X	330.53662	264.95348	44.72029	1.79212	0.2013263	0.26886026	2.3774878	21	6 5.8	18.7
164667 1996 TA_{36}	16.5	X	315.27723	4.61063	326.51063	0.68725	0.2034094	0.26934664	2.3746248	21	6 9.1	18.7
164668 1996 TP_{56}	16.4	X	31.96253	354.44222	290.95721	5.99079	0.1282883	0.27540146	2.3396913	21	9 8.2	18.9
164669 1996 VJ_{23}	14.9	X	66.76596	86.08994	7.52095	14.39575	0.2114495	0.17229774	3.1985244	21	3 4.1	18.8
164670 1996 XM_6	16.1	X	319.57373	290.29155	86.62177	6.12901	0.3364143	0.27298435	2.3534820	21	8 12.8	17.4
164671 1996 XC_{12}	16.2	X	218.24607	101.77650	301.79292	6.05989	0.1231888	0.25960652	2.4336548	21	5 26.2	19.8
164672 1996 XX_{29}	16.7	X	141.43917	38.60847	72.96679	2.39786	0.1494217	0.26034806	2.4290315	21	6 7.4	20.2
164673 1997 BR_4	14.8	X	114.23838	225.18199	141.95366	18.52612	0.1614760	0.16144397	3.3403207	21	1 11.8	19.8
164674 1997 EV_4	16.0	X	125.76576	314.08005	7.90371	6.10743	0.1368809	0.23157964	2.6262484	21	—	—
164675 1997 EK_5	16.3	X	87.94287	99.99901	174.55182	3.46373	0.0588191	0.22266365	2.6958962	21	10 28.4	20.0
164676 1997 EL_7	15.6	X	218.24618	13.15727	167.81582	13.88789	0.2007945	0.22826186	2.6516354	21	11 15.4	19.9
164677 1997 GA_4	15.9	X	216.57026	193.27139	23.90669	5.98511	0.0688641	0.22972018	2.6404014	21	—	—
164678 1997 GR_4	16.3	X	351.13712	148.43029	25.74076	1.96097	0.1091105	0.24164088	2.5528332	21	1 13.8	19.3
164679 1997 GJ_{12}	16.6	X	137.18685	61.33390	188.40208	11.48307	0.3240046	0.22185461	2.7024463	21	11 27.6	21.8
164680 1997 GO_{20}	16.0	X	212.88053	183.53871	30.74896	5.22387	0.0608355	0.22935128	2.6432319	21	—	—
164681 1997 KA_1	15.2	X	123.91184	271.47312	56.71445	13.07118	0.2062014	0.22728224	2.6592493	21	—	—
164682 1997 LQ_1	15.4	X	23.74090	320.01816	102.51904	14.73059	0.1640558	0.22756978	2.6570088	21	—	—
164683 1997 LH_3	16.4	X	167.67416	122.25734	151.36715	3.61613	0.0639562	0.22677178	2.6632384	21	—	—
164684 1997 LS_4	16.4	X	285.76275	20.27651	165.22610	4.05212	0.1427394	0.23207399	2.6225175	21	—	—
164685 1997 LH_{13}	17.4	X	192.62578	169.76065	128.12132	2.76017	0.1930299	0.31250606	2.1506204	21	—	—
164686 1997 MW_5	15.6	X	304.34552	208.39873	206.80110	10.20869	0.1594541	0.20922780	2.8101087	21	9 25.1	18.8
164687 1997 ME_6	15.6	X	305.47653	229.91644	208.68869	9.87655	0.0857294	0.21307811	2.7761536	21	11 9.4	19.0
164688 1997 SO_1	16.9	X	96.29360	182.55619	192.22595	4.97828	0.1031646	0.30232975	2.1986130	21	—	—
164689 1997 SC_7	16.3	X	320.13610	289.87046	10.19001	1.53022	0.1818311	0.19852290	2.9102411	21	5 11.3	19.8
164690 1997 SH_8	16.6	X	342.74814	89.51088	348.82695	5.79728	0.1339943	0.29412324	2.2393217	21	—	—
164691 1997 SH_{14}	17.2	X	301.60482	149.03359	324.48923	3.72754	0.1429378	0.29289566	2.2455743	21	—	—
164692 1997 TM_{21}	16.0	X	203.83849	207.76194	216.41868	1.43825	0.0581131	0.19338930	2.9615183	21	6 12.7	20.4
164693 1997 TC_{24}	16.8	X	55.45594	236.77369	28.16406	3.51611	0.0464628	0.28303308	2.2974421	21	9 7.7	19.4
164694 1997 UC_{16}	17.6	X	84.26120	346.54473	355.42672	1.04444	0.0993035	0.29601691	2.2297613	21	—	—
164695 1997 UJ_{16}	16.5	X	255.13304	267.08490	31.64619	7.87245	0.2335183	0.18747695	3.0234593	21	2 23.7	21.6
164696 1997 WB_8	14.6	X	194.01705	97.08040	249.33257	9.24947	0.0726909	0.18086077	3.0967523	21	2 22.9	19.5
164697 1997 WS_{28}	16.6	X	20.33368	30.42768	29.64694	7.19496	0.1226514	0.29611762	2.2292557	21	—	—
164698 1997 WA_{47}	15.3	X	201.21826	352.23836	75.83701	15.29207	0.2329833	0.19104192	2.9857282	21	6 9.3	20.4
164699 1997 XV_6	15.6	X	202.91188	43.46795	70.01557	2.52064	0.0947469	0.19588305	2.9363296	21	8 12.5	20.1
164700 1998 AO_4	16.3	X	332.24838	271.75182	104.83034	7.48230	0.1327711	0.28073407	2.3099680	21	10 13.8	18.4
164701 Horanyi	16.3	X	162.55905	44.04270	120.53448	1.40597	0.1533431	0.27482276	2.3429746	21	9 8.0	19.9
164702 1998 BH_6	16.8	X	354.55590	191.28650	69.49741	2.11349	0.1640003	0.26648357	2.3916030	21	5 15.4	18.9
164703 1998 BN_{20}	15.2	X	121.33487	126.90975	299.09123	8.18992	0.0831276	0.17705709	3.1409463	21	3 13.8	19.9
164704 1998 BF_{31}	16.8	X	310.18923	93.99889	296.86183	1.69388	0.1323355	0.27855945	2.3219746	21	9 14.5	18.7
164705 1998 DE_2	16.8	X	36.88633	352.79785	189.42622	5.35079	0.1940240	0.26050629	2.4280479	21	4 17.4	18.5
164706 1998 DJ_{19}	16.7	X	212.19945	81.52526	353.81135	6.40453	0.1049144	0.26997377	2.3709460	21	7 4.4	20.2
164707 1998 DE_{27}	16.2	X	224.95794	121.86136	320.96350	6.65839	0.0836881	0.27334165	2.3514307	21	7 31.8	19.3
164708 1998 FX_7	17.3	X	67.99625	81.08057	109.26631	1.31364	0.1332010	0.26404094	2.4063301	21	6 20.6	20.0
164709 1998 FC_{10}	16.6	X	207.38579	337.88413	257.27384	2.41017	0.1368409	0.24070861	2.5594204	21	—	—
164710 1998 FW_{24}	16.9	X	208.39055	329.75340	194.47812	5.28522	0.2151354	0.27797114	2.3252496	21	10 17.6	20.4
164711 1998 FD_{42}	16.4	X	110.99009	228.48243	332.93370	4.22277	0.1875237	0.26858509	2.3791114	21	9 6.4	19.9
164712 1998 FM_{58}	16.4	X	38.42169	179.66852	11.32571	2.41938	0.1201167	0.25897894	2.4375849	21	4 27.1	18.6
164713 1998 FK_{61}	16.6	X	44.16764	309.60671	262.76741	0.53098	0.1294543	0.26151775	2.4217832	21	6 11.9	19.0
164714 1998 FN_{91}	17.0	X	5.76166	134.69052	31.54416	9.76065	0.1520292	0.38080803	1.8850896	21	—	—
164715 1998 FZ_{139}	16.1	X	159.75634	107.95926	2.20481	9.81479	0.1699959	0.26638383	2.3922000	21	6 25.7	20.0
164716 1998 GH	15.5	X	304.45695	56.54703	35.38671	24.60188	0.1466783	0.36559609	1.9370241	21	—	—
164717 1998 GN_1	16.6	X	100.83172	39.90357	91.51326	2.54220	0.1149805	0.26096222	2.4252189	21	5 12.8	19.6
164718 1998 HM_4	17.4	X	308.87630	107.18441	42.68203	22.32580	0.1077905	0.37046792	1.9200048	21	—	—
164719 1998 HZ_6	17.1	X	342.46273	86.39970	38.63818	21.73281	0.1145554	0.37197524	1.9148144	21	—	—
164720 1998 KT_{24}	15.5	X	103.47780	161.46745	40.05934	12.44774	0.2172239	0.26530776	2.3986640	21	9 8.8	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164721 1998 QO_{24}	16.2	X	165.12577	120.79407	195.18119	3.16060	0.2142910	0.23391363	2.6087494	21	—	—
164722 1998 QN_{68}	15.8	X	75.33610	46.49209	286.34690	11.39225	0.2872128	0.22456047	2.6806936	21	—	—
164723 1998 QW_{71}	15.7	X	109.01510	54.03376	244.87460	9.41226	0.2363957	0.22586745	2.6703424	21	12 30.3	20.4
164724 1998 QM_{78}	15.3	X	112.19453	130.64599	223.03870	14.15494	0.1384468	0.22928304	2.6437563	21	—	—
164725 1998 QF_{98}	15.5	X	70.36574	196.84601	161.39734	11.81158	0.3874339	0.22423091	2.6833195	21	—	—
164726 1998 QE_{107}	15.3	X	81.23212	148.04596	264.29682	11.55331	0.2826488	0.22917557	2.6445828	21	1 22.6	18.1
164727 1998 RH_{5}	15.8	X	151.74602	282.67295	24.31037	14.53279	0.0905409	0.22873262	2.6479959	21	—	—
164728 1998 RH_{12}	16.3	X	42.68312	260.13933	163.69623	13.63466	0.2732386	0.22736457	2.6586073	21	—	—
164729 1998 RT_{49}	15.5	X	131.48041	305.04054	2.89858	12.21338	0.1699886	0.22787117	2.6546654	21	—	—
164730 1998 RA_{55}	15.9	X	73.64332	127.58443	200.64407	12.52493	0.2448769	0.22275624	2.6951491	21	—	—
164731 1998 RK_{64}	16.1	X	47.32623	3.10501	13.18034	1.82837	0.2473297	0.22297804	2.6933615	21	—	—
164732 1998 RE_{69}	15.8	X	11.40375	140.90190	175.49999	7.12351	0.2020523	0.21384279	2.7695315	21	9 21.8	18.6
164733 1998 RE_{70}	16.0	X	116.42192	156.77866	149.79270	5.44594	0.3324669	0.22718530	2.6600057	21	—	—
164734 1998 SE_{21}	16.0	X	251.10889	337.51491	187.24675	3.68143	0.0995160	0.22117192	2.7080045	21	12 12.4	19.5
164735 1998 SY_{24}	15.3	X	110.28536	178.30203	160.51172	5.98111	0.1571536	0.22636013	2.6664663	21	—	—
164736 1998 SJ_{40}	16.2	X	256.20175	171.51589	355.49454	3.26606	0.0209867	0.22405830	2.6846975	21	—	—
164737 1998 ST_{47}	16.0	X	109.98089	53.66270	228.10856	1.55818	0.1640843	0.21980992	2.7191794	21	12 7.6	20.3
164738 1998 SP_{84}	15.2	X	71.77926	263.35539	15.29902	14.08577	0.2534229	0.21881509	2.7274149	21	11 3.0	19.4
164739 1998 SF_{103}	15.8	X	325.38297	212.88501	177.10643	14.05396	0.1742267	0.21409044	2.7673953	21	10 1.6	18.6
164740 1998 SJ_{106}	15.8	X	14.44526	186.24874	181.40442	12.03343	0.2284751	0.21803539	2.7339132	21	12 13.7	19.1
164741 1998 SH_{113}	15.8	X	95.87986	328.70404	84.43401	4.33788	0.2742867	0.23143554	2.6273384	21	2 19.3	19.0
164742 1998 SS_{138}	15.6	X	58.60325	160.80759	201.58484	12.12151	0.2662752	0.22238419	2.6981543	21	—	—
164743 1998 SD_{156}	15.6	X	38.66382	41.86336	15.20933	4.12482	0.0917952	0.22562443	2.6722595	21	—	—
164744 1998 SN_{162}	15.2	X	245.21446	230.51311	235.70192	6.55423	0.2319507	0.20903452	2.8118407	21	8 30.6	19.7
164745 1998 TU_{8}	16.3	X	359.09593	246.07302	173.90218	1.20394	0.0816324	0.21981838	2.7191096	21	—	—
164746 1998 TF_{11}	16.0	X	327.28004	41.87744	19.33280	6.22001	0.0836114	0.21755690	2.7379204	21	11 19.1	19.3
164747 1998 TP_{20}	15.3	X	164.52693	171.04299	33.61930	7.49168	0.1979159	0.21345373	2.7728958	21	10 23.9	19.8
164748 1998 TC_{22}	16.1	X	123.92842	98.42138	220.33790	1.67322	0.0470378	0.22362537	2.6881613	21	—	—
164749 1998 TP_{22}	16.7	X	287.25737	58.58106	21.09978	4.43212	0.0389734	0.21364445	2.7712453	21	10 19.5	20.3
164750 1998 TW_{29}	15.9	X	36.52570	201.06462	176.34581	8.24223	0.1299567	0.22140557	2.7060990	21	—	—
164751 1998 UW_{3}	15.7	X	254.45082	244.23300	233.83557	4.75918	0.0616591	0.21447006	2.7641287	21	10 21.5	19.5
164752 1998 UR_{17}	15.5	X	321.73758	168.54333	237.79559	12.07165	0.1530964	0.21421992	2.7662800	21	10 15.3	18.5
164753 1998 UJ_{41}	15.5	X	350.05764	320.26816	49.74375	13.06630	0.1366955	0.21431754	2.7654400	21	10 24.2	18.5
164754 1998 VQ_{10}	15.8	X	55.35333	137.12316	204.37021	8.01673	0.2949189	0.22049365	2.7135552	21	—	—
164755 1998 VK_{27}	15.3	X	49.47473	101.88120	246.02023	7.94433	0.1455930	0.21815169	2.7329415	21	12 22.9	19.0
164756 1998 VR_{35}	15.8	X	1.14904	137.86999	235.46314	6.61940	0.2873834	0.21481407	2.7611769	21	12 4.9	18.2
164757 1998 VY_{35}	16.0	X	14.67186	270.48975	155.83098	10.17383	0.2753439	0.22042605	2.7141099	21	—	—
164758 1998 VN_{37}	15.0	X	11.26257	179.20388	247.99899	12.70625	0.1617299	0.22103547	2.7091189	21	—	—
164759 1998 VR_{56}	16.0	X	310.04079	295.60394	148.48950	3.15860	0.2013395	0.21408728	2.7674226	21	11 14.9	18.6
164760 1998 WX_{2}	15.1	X	357.94927	331.25719	55.52665	10.17112	0.1654003	0.21525478	2.7574068	21	11 29.6	18.1
164761 1998 WU_{6}	16.1	X	354.89458	218.20098	220.43526	7.95438	0.1920782	0.21901471	2.7257573	21	—	—
164762 1998 WX_{27}	15.4	X	291.45146	233.10713	233.16048	5.71152	0.0501612	0.21599476	2.7511055	21	11 28.1	18.9
164763 1998 WH_{29}	16.1	X	279.14890	119.70208	46.13863	3.47639	0.0454047	0.22206018	2.7007783	21	—	—
164764 1998 XK_{1}	15.9	X	2.89532	320.78691	82.10949	4.64859	0.1953710	0.21714222	2.7414050	21	—	—
164765 1998 XM_{1}	16.5	X	45.71112	122.30758	228.23513	6.01789	0.3068929	0.21891524	2.7265830	21	—	—
164766 1998 XQ_{13}	16.3	X	15.01561	309.46421	89.02176	2.83973	0.1439214	0.21806296	2.7336828	21	—	—
164767 1998 YK_{4}	15.1	X	277.96773	203.51300	261.21330	8.98324	0.1817209	0.21137942	2.7910069	21	10 14.9	18.7
164768 1998 YE_{22}	16.6	X	177.38907	328.22672	189.41804	0.15813	0.1174287	0.20007476	2.8951729	21	9 8.8	21.1
164769 1999 AG_{38}	15.0	X	288.47286	277.01513	131.06926	12.70771	0.1973389	0.20433894	2.8547536	21	8 16.8	18.5
164770 1999 BN_{18}	15.8	X	17.66416	33.10103	46.09061	10.25786	0.2488078	0.21963312	2.7206384	21	—	—
164771 1999 CB_{5}	15.3	X	123.77794	145.47975	314.59888	3.52747	0.1764716	0.18854227	3.0120596	21	5 9.9	19.9
164772 1999 CV_{33}	15.3	X	59.64904	8.80705	149.03981	1.67443	0.1879047	0.18438015	3.0572193	21	5 6.3	18.9
164773 1999 CW_{48}	16.7	X	169.54165	96.55045	104.88088	3.94975	0.1703553	0.28951420	2.2630256	21	11 2.9	20.1
164774 1999 CA_{95}	15.0	X	219.27314	309.90348	109.32664	9.23851	0.1746000	0.19505842	2.9445996	21	6 16.7	19.7
164775 1999 CJ_{124}	14.5	X	148.80590	77.44025	22.74889	18.02291	0.1939304	0.19124183	2.9836471	21	5 31.8	19.7
164776 1999 CJ_{133}	14.9	X	312.63054	49.03606	127.41284	2.19889	0.1583698	0.17270059	3.1935484	21	—	—
164777 1999 CD_{142}	15.6	X	20.28978	279.10585	320.76041	2.14886	0.0455097	0.19026112	2.9938912	21	6 6.8	19.4
164778 1999 CD_{149}	15.8	X	280.99055	319.40139	88.48626	3.26160	0.0694571	0.20695168	2.8306755	21	8 26.6	19.5
164779 1999 CN_{157}	15.3	X	124.94554	231.55390	161.71461	14.79996	0.0874701	0.17643521	3.1483225	21	2 10.1	19.9
164780 1999 CH_{159}	16.7	X	145.38957	31.50309	139.64950	6.27057	0.1134690	0.28462884	2.2888471	21	8 30.3	19.9
164781 1999 DA_{4}	16.0	X	117.83829	19.15240	123.88116	1.57285	0.2336059	0.18983560	2.9983635	21	7 2.9	20.9
164782 1999 DK_{4}	15.8	X	92.37441	358.80082	225.64563	1.35235	0.0878884	0.19582850	2.9368749	21	8 30.3	20.0
164783 1999 EZ_{1}	15.7	X	333.19660	81.01322	138.77402	2.09983	0.1204521	0.17976866	3.1092816	21	2 27.4	19.6
164784 1999 EJ_{11}	16.8	X	342.24699	236.72924	151.01265	6.14192	0.1006420	0.29254063	2.2473908	21	11 18.8	19.0
164785 1999 ES_{14}	16.8	X	331.64265	78.04670	343.40374	3.36301	0.1363179	0.29590276	2.2303347	21	12 22.5	18.5
164786 1999 FZ_{1}	16.6	X	149.75337	7.58990	174.94440	3.29760	0.1073273	0.28450150	2.2895300	21	9 18.4	19.8
164787 1999 FE_{11}	17.1	X	124.88857	73.85045	167.75244	2.42284	0.1150763	0.28543678	2.2845259	21	11 9.7	20.4
164788 1999 FN_{12}	15.6	X	84.12256	75.81079	23.68396	1.55710	0.1329735	0.17714665	3.1398874	21	3 20.4	19.7
164789 1999 FV_{18}	16.4	X	240.97764	176.58853	12.86461	3.84879	0.2182305	0.29556577	2.2320296	21	12 30.3	18.9
164790 1999 FY_{35}	16.4	X	240.57793	19.31031	148.64593	5.06135	0.0835086	0.29519324	2.2339071	21	12 21.4	19.0
164791 Nicinski	17.2	X	316.75869	115.63091	177.33705	2.41788	0.1840946	0.27171512	2.3608054	21	4 18.6	19.6
164792 Owen	16.7	X	172.41640	170.01459	40.84244	6.46939	0.0900440	0.28912282	2.2650674	21	11 20.0	19.9
164793 1999 GO_{7}	16.6	X	87.86549	36.27052	177.46128	3.28654	0.1762384	0.27815724	2.3242124	21	8 27.9	19.7
164794 1999 GO_{10}	16.6	X	78.02961	252.82577	16.12810	7.30899	0.1124049	0.28325632	2.2962349	21	10 22.2	19.7
164795 1999 GW_{10}	15.7	X	68.03074	339.88255	162.15210	1.69975	0.0906571	0.17996609	3.1070073	21	4 14.8	19.8
164796 1999 GX_{13}	16.0	X	1.10816	177.86241	9.44269	2.95968	0.1015195	0.17724514	3.1387242	21	3 3.0	19.9
164797 1999 GJ_{24}	16.5	X	116.46213	32.49774	176.82771	6.99570	0.2062381	0.28169472	2.3047133	21	9 24.9	19.9
164798 1999 JC_{1}	14.6	X	348.99434	105.18371	102.05711	10.41225	0.0297770	0.17442548	3.1724595	21	3 20.8	19.1
164799 1999 JV_{26}	17.4	X	94.33650	165.92396	61.52914	1.06709	0.2526064	0.27891106	2.3200227	21	10 1.6	21.0
164800 1999 JE_{32}	16.6	X	2.66036	88.66891	159.76364	2.49222	0.1759751	0.26945509	2.3739877	21	5 13.2	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164801 1999 JH_{42}	15.7	X	284.47081	99.96874	225.62459	13.10776	0.2265230	0.26630080	2.3926972	21	4 12.3	19.2
164802 1999 JU_{48}	16.4	X	186.30092	149.22231	48.88254	6.35437	0.1038638	0.28670488	2.2777846	21	11 17.9	19.5
164803 1999 JH_{65}	16.0	X	132.08015	17.93344	203.56884	8.81146	0.1767838	0.28398175	2.2923227	21	10 23.5	19.4
164804 1999 JL_{75}	16.7	X	230.42461	169.82626	348.47701	2.08690	0.1293311	0.28856978	2.2679605	21	11 14.2	19.4
164805 1999 JT_{109}	16.9	X	4.43967	89.81420	171.34926	3.59730	0.2275737	0.27029767	2.3690516	21	6 7.4	18.2
164806 1999 JA_{110}	16.3	X	295.59853	257.03706	38.30251	3.00754	0.1687773	0.26522346	2.3991722	21	3 26.9	19.6
164807 1999 JA_{114}	16.8	X	56.77710	117.11130	127.83314	2.70202	0.1821513	0.27497291	2.3421216	21	9 1.9	19.5
164808 1999 JC_{116}	14.4	X	178.34690	178.35844	81.15248	17.70473	0.0624779	0.15788283	3.3903624	21	—	—
164809 1999 JH_{121}	16.2	X	292.13506	74.28747	204.57729	6.13734	0.1621104	0.26214801	2.4179000	21	2 27.4	19.6
164810 1999 JN_{124}	16.3	X	4.21938	210.53427	32.09114	6.27399	0.1505866	0.26930312	2.3748807	21	5 6.6	18.1
164811 1999 JR_{135}	16.2	X	330.64820	224.10358	53.65827	5.65080	0.2226775	0.26777756	2.3838921	21	4 14.5	18.6
164812 1999 KT_{17}	17.1	X	70.26059	155.30340	84.62333	3.55415	0.1841877	0.27641902	2.3339458	21	9 15.2	20.0
164813 1999 LC_{8}	15.7	X	306.78751	247.56582	86.92342	13.53699	0.2393461	0.26965665	2.3728045	21	5 26.2	18.3
164814 1999 LR_{32}	16.9	X	343.86421	199.33763	74.06963	2.98740	0.1916609	0.26847317	2.3797725	21	5 8.8	18.7
164815 1999 ND_{62}	15.8	X	84.47434	327.52067	259.87904	12.14903	0.1559927	0.27253438	2.3560718	21	9 2.1	19.4
164816 1999 PR_{5}	16.9	X	130.69278	189.45475	160.08749	5.87262	0.2475235	0.24246055	2.5470766	21	1 3.9	20.5
164817 1999 QW	15.7	X	10.27134	283.50700	161.12108	8.92982	0.1376506	0.23798495	2.5789112	21	—	—
164818 1999 RR_{41}	16.5	X	214.24467	275.36706	354.50545	12.58187	0.1687754	0.24547335	2.5261927	21	—	—
164819 1999 RL_{86}	16.3	X	205.32752	256.87375	106.50096	3.67748	0.2143209	0.25249915	2.4791117	21	3 25.4	20.5
164820 1999 RR_{89}	15.9	X	134.48945	15.26453	23.66194	4.75224	0.1767386	0.24668179	2.5179358	21	3 3.3	19.5
164821 1999 RY_{112}	16.4	X	242.15385	20.13008	317.73260	2.68957	0.1887537	0.25647577	2.4534196	21	3 22.7	20.4
164822 1999 RV_{157}	15.8	X	274.04627	316.94056	33.04353	4.72406	0.2533300	0.26080793	2.4261754	21	5 1.9	19.4
164823 1999 RD_{171}	16.6	X	117.27715	214.19377	142.19416	2.17770	0.2161880	0.24102349	2.5571908	21	—	—
164824 1999 RS_{176}	16.5	X	265.45249	156.88706	193.28195	3.89857	0.1045439	0.25915640	2.4364720	21	5 12.2	19.8
164825 1999 RT_{203}	15.7	X	70.28393	172.26847	255.81430	12.28497	0.1394224	0.24168842	2.5524985	21	1 1.5	18.4
164826 1999 RN_{208}	16.1	X	119.24231	186.81102	236.25593	7.47684	0.2236910	0.24600686	2.5225391	21	3 18.3	19.7
164827 1999 RN_{236}	16.3	X	239.49401	240.53211	98.22938	6.78821	0.1922134	0.25453883	2.4658502	21	3 26.0	20.4
164828 1999 TL_{40}	16.4	X	154.85221	166.18835	153.54811	5.34779	0.2669814	0.24233883	2.5479293	21	—	—
164829 1999 TE_{45}	16.5	X	98.01446	109.50483	320.49985	1.90222	0.0733131	0.24421605	2.5348557	21	2 8.9	19.5
164830 1999 TA_{49}	16.0	X	125.63409	107.69477	177.21425	6.83513	0.0753142	0.23251948	2.6191668	21	12 24.4	19.9
164831 1999 TL_{52}	16.9	X	298.31986	54.34612	266.18051	1.92006	0.2044387	0.26078921	2.4262915	21	4 27.3	19.8
164832 1999 TL_{55}	16.0	X	41.25302	293.86026	208.25388	3.17959	0.0857792	0.24554637	2.5256919	21	2 19.3	18.8
164833 1999 TR_{62}	16.4	X	186.44281	273.84539	33.79035	8.48894	0.1095140	0.24076614	2.5590127	21	—	—
164834 1999 TL_{64}	17.1	X	291.16247	98.98868	198.53330	2.85817	0.1377335	0.25730825	2.4481249	21	3 28.5	20.2
164835 1999 TS_{67}	16.5	X	83.31239	192.25111	113.67316	1.57756	0.1157985	0.22675334	2.6633828	21	12 7.7	20.4
164836 1999 TW_{75}	17.1	X	19.57637	103.10414	14.68166	2.35978	0.0858471	0.23852278	2.5750331	21	—	—
164837 1999 TY_{81}	16.5	X	121.50702	204.53714	187.28105	5.47783	0.0716683	0.24403038	2.5361414	21	1 20.2	19.8
164838 1999 TH_{83}	15.9	X	221.49933	7.71290	165.17416	3.73403	0.0911923	0.22877266	2.6476869	21	11 19.4	19.7
164839 1999 TX_{86}	16.9	X	245.87874	135.36900	204.90165	0.40954	0.1986639	0.25761196	2.4462004	21	3 29.3	20.7
164840 1999 TK_{88}	16.8	X	127.64709	335.71595	18.44411	6.53484	0.2159112	0.24057926	2.5603377	21	1 3.5	20.4
164841 1999 TV_{112}	16.0	X	280.58256	125.90228	290.84968	4.11212	0.2375256	0.26535949	2.3983522	21	8 12.2	18.9
164842 1999 TV_{133}	17.1	X	198.75675	170.71363	225.34691	1.06603	0.1458912	0.25384124	2.4703658	21	4 27.3	20.8
164843 1999 TH_{138}	14.8	X	289.51078	101.18505	270.95804	1.80226	0.2378587	0.12615877	3.9372326	21	6 24.5	20.3
164844 1999 TV_{143}	14.2	X	246.24635	66.21943	337.66571	8.34500	0.2380966	0.12398733	3.9830692	21	6 18.1	20.5
164845 1999 TT_{149}	16.6	X	195.87209	14.77990	21.64554	3.02658	0.1899722	0.25315969	2.4747976	21	4 24.9	20.8
164846 1999 TT_{152}	15.8	X	95.33843	334.39280	76.90221	5.69401	0.1552932	0.24120735	2.5558912	21	1 25.2	18.8
164847 1999 TC_{153}	16.8	X	30.22881	306.75531	29.49909	21.38015	0.0824691	0.36102469	1.9533412	21	11 25.6	19.0
164848 1999 TM_{156}	16.0	X	118.81907	219.28435	190.47939	13.23509	0.1696289	0.24333582	2.5409650	21	2 21.9	19.6
164849 1999 TW_{163}	16.4	X	269.06297	329.55501	109.01081	3.88161	0.1758641	0.26502794	2.4003521	21	9 8.9	19.3
164850 1999 TF_{171}	16.0	X	61.55202	243.94531	205.39635	5.20125	0.1074839	0.24098107	2.5574909	21	1 13.5	18.9
164851 1999 TK_{171}	17.0	X	81.83465	211.16738	207.52089	4.24864	0.2559828	0.23971911	2.5664587	21	1 26.7	19.5
164852 1999 TT_{174}	15.7	X	266.82297	249.73931	13.97677	9.65645	0.1613316	0.24693930	2.5161850	21	1 20.5	19.7
164853 1999 TQ_{198}	15.6	X	347.07249	85.97895	23.79311	10.01504	0.1821018	0.23094252	2.6310763	21	—	—
164854 1999 TK_{204}	17.0	X	120.85474	286.89562	30.99935	21.20935	0.0565822	0.36815396	1.9280416	21	—	—
164855 1999 TO_{204}	16.4	X	141.01217	342.34694	351.92339	4.02885	0.1509896	0.23920807	2.5701127	21	—	—
164856 1999 TJ_{210}	15.3	X	150.57145	352.41394	355.77615	13.31606	0.1822493	0.23993128	2.5649455	21	1 20.1	19.3
164857 1999 TC_{215}	16.6	X	18.64018	244.82328	179.82171	5.33197	0.2239207	0.23261355	2.6184606	21	—	—
164858 1999 TX_{215}	14.3	X	279.58274	236.73893	148.26838	3.53343	0.2507306	0.12556455	3.9496446	21	6 26.6	19.9
164859 1999 TA_{218}	16.4	X	196.97131	201.24127	217.74128	5.64782	0.1074680	0.25554060	2.4594015	21	5 26.2	19.9
164860 1999 TA_{241}	17.0	X	139.18940	306.11073	62.26441	5.22784	0.2730348	0.24296435	2.5435543	21	2 9.8	20.9
164861 1999 TL_{260}	16.3	X	127.65190	256.18871	68.07696	5.99033	0.2328373	0.23674573	2.5879027	21	—	—
164862 1999 TD_{262}	16.9	X	66.49688	179.83289	260.35036	2.20912	0.0462931	0.24126929	2.5554537	21	1 5.6	20.1
164863 1999 TN_{269}	15.6	X	51.36257	54.73413	326.61618	11.03153	0.1966473	0.23355258	2.6114373	21	—	—
164864 1999 TH_{272}	16.4	X	85.59953	23.90133	348.07361	9.53187	0.2126850	0.23658931	2.5890433	21	—	—
164865 1999 TA_{273}	16.4	X	336.04230	126.21642	222.75025	20.89539	0.0726831	0.35410878	1.9786922	21	9 2.7	18.8
164866 1999 TK_{278}	15.7	X	294.98159	357.30867	240.33027	1.62544	0.0707249	0.24419293	2.5350157	21	1 25.4	19.2
164867 1999 TH_{287}	16.9	X	148.26764	262.80352	9.19581	19.15341	0.0910301	0.36940321	1.9236923	21	—	—
164868 1999 TU_{309}	16.8	X	255.49300	145.93348	161.63560	4.28792	0.2027499	0.25617121	2.4553637	21	2 25.4	20.5
164869 1999 UJ_{11}	16.3	X	124.75243	331.47548	41.00764	17.65132	0.2770194	0.24046136	2.5611746	21	2 6.8	20.4
164870 1999 UD_{14}	15.8	X	87.40522	222.03025	198.91175	12.72819	0.1645725	0.24083196	2.5585465	21	1 22.6	19.0
164871 1999 UE_{20}	16.6	X	10.62348	304.95511	176.70475	3.03173	0.0676863	0.24057752	2.5603501	21	—	—
164872 1999 UJ_{31}	16.2	X	246.41559	216.83433	28.74252	4.07607	0.0882780	0.24054645	2.5605706	21	—	—
164873 1999 UO_{36}	16.9	X	101.24284	166.38336	249.48079	1.85471	0.1021399	0.24516637	2.5283010	21	1 29.2	19.9
164874 1999 UL_{37}	16.2	X	181.13620	137.20774	74.82034	1.53672	0.0785312	0.22971431	2.6404464	21	11 23.5	19.9
164875 1999 UA_{38}	16.6	X	160.18944	320.70437	31.19245	7.76201	0.2670173	0.24381630	2.5376256	21	2 8.6	20.9
164876 1999 UB_{49}	16.1	X	51.60406	66.23017	18.53741	14.94126	0.0907953	0.23914926	2.5705340	21	—	—
164877 1999 UQ_{49}	15.7	X	159.39704	311.07490	70.68334	7.40421	0.1821792	0.24619173	2.5212761	21	3 9.8	19.7
164878 1999 VA_{14}	16.9	X	339.78480	52.52897	30.20449	24.48991	0.0515362	0.36524292	1.9382725	21	—	—
164879 1999 VK_{18}	17.4	X	121.27578	351.61312	19.94677	5.08826	0.2091289	0.24068201	2.5596090	21	1 17.5	20.8
164880 1999 VN_{26}	15.8	X	138.36388	185.19113	229.20226	1.96022	0.1444060	0.24500108	2.5294381	21	3 21.0	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164881 1999 VT_{30}	15.6	X	111.54123	129.84058	242.45406	11.11827	0.2497838	0.23799704	2.5788239	21	1 9.2	19.0
164882 1999 VB_{42}	16.8	X	13.51589	110.27946	349.17577	3.65950	0.1096419	0.23611904	2.5924798	21	—	—
164883 1999 VQ_{65}	16.1	X	152.86128	149.84283	217.10314	5.87879	0.1519083	0.24304048	2.5430231	21	2 4.7	20.0
164884 1999 VW_{76}	16.7	X	302.08699	53.47090	131.43793	1.91346	0.0743432	0.23565795	2.5958603	21	—	—
164885 1999 VU_{79}	16.3	X	145.53475	111.79176	226.15429	2.89915	0.1750834	0.24015457	2.5633553	21	—	—
164886 1999 VX_{81}	16.0	X	100.19183	123.84034	216.08704	4.81907	0.2837323	0.23648952	2.5897715	21	—	—
164887 1999 VT_{84}	17.1	X	75.90460	315.95679	45.64176	2.50463	0.1736679	0.23316708	2.6143148	21	—	—
164888 1999 VK_{86}	15.8	X	156.90417	241.19998	107.41063	9.26452	0.2102388	0.24208120	2.5497367	21	1 25.9	19.8
164889 1999 VN_{93}	16.6	X	351.13116	242.04615	197.44535	3.71996	0.2321999	0.23083644	2.6318824	21	—	—
164890 1999 VL_{101}	16.5	X	336.05485	29.92718	67.58392	3.55146	0.0450362	0.23006360	2.6377731	21	—	—
164891 1999 VD_{104}	17.1	X	102.96436	171.08202	211.37703	2.27966	0.2230692	0.23821881	2.5772231	21	1 8.0	20.0
164892 1999 VD_{106}	16.2	X	121.19915	93.25247	238.95421	12.77120	0.1439566	0.23445824	2.6047081	21	—	—
164893 1999 VV_{106}	16.3	X	353.20006	264.77287	216.56140	2.56728	0.0426515	0.23451653	2.6042764	21	—	—
164894 1999 VR_{107}	16.3	X	3.82058	84.30503	63.82696	5.54630	0.1097692	0.23785740	2.5798331	21	—	—
164895 1999 VZ_{110}	16.7	X	83.20932	165.52727	232.43637	4.30172	0.1824290	0.23619444	2.5919280	21	—	—
164896 1999 VE_{116}	16.4	X	40.41796	144.58083	195.88428	3.34450	0.1172745	0.22514178	2.6760773	21	11 30.3	19.9
164897 1999 VV_{134}	16.5	X	158.35709	223.39180	33.91502	1.50751	0.0790447	0.22932020	2.6434708	21	12 24.6	20.3
164898 1999 VM_{159}	15.9	X	217.55680	133.88103	250.97327	3.71061	0.1999199	0.25412563	2.4685224	21	4 28.6	19.9
164899 1999 VR_{162}	16.7	X	160.30648	359.93152	347.61545	2.18349	0.2402310	0.24297157	2.5435039	21	1 29.9	20.7
164900 1999 VE_{181}	17.3	X	337.46784	261.01550	222.85812	19.82281	0.0894539	0.37019992	1.9209313	21	—	—
164901 1999 VK_{181}	16.3	X	93.38168	102.57138	243.20427	1.86764	0.1152732	0.23273529	2.6175474	21	—	—
164902 1999 VT_{190}	16.4	X	104.19730	265.34360	172.58793	3.33359	0.2234475	0.24203646	2.5500509	21	3 23.7	19.7
164903 1999 VP_{225}	14.4	X	280.93895	209.11222	158.77205	7.73119	0.2957108	0.12422822	3.9779184	21	6 3.3	20.4
164904 1999 WP_{2}	15.8	X	69.45191	11.00991	74.52703	7.16159	0.2739204	0.23833523	2.5763838	21	2 18.7	18.1
164905 1999 WU_{9}	15.0	X	104.25059	144.65545	274.49188	13.94981	0.2237568	0.23942470	2.5685622	21	2 20.1	18.6
164906 1999 WY_{15}	16.5	X	171.68976	252.61172	98.83028	1.15044	0.1060139	0.24344918	2.5401762	21	2 3.1	20.3
164907 1999 WL_{17}	16.6	X	119.60368	99.70849	219.61678	21.18454	0.0663547	0.37142876	1.9166921	21	—	—
164908 1999 XC_{3}	15.7	X	70.01439	339.49567	104.18181	3.94800	0.2197539	0.23917582	2.5703437	21	2 5.3	17.9
164909 1999 XO_{4}	16.6	X	236.52467	351.27451	92.89050	3.36052	0.2006692	0.25978157	2.4325615	21	8 2.8	20.3
164910 1999 XL_{10}	15.7	X	165.81529	112.64721	262.99715	10.37759	0.2448430	0.24643367	2.5196257	21	3 3.2	20.2
164911 1999 XB_{13}	15.4	X	26.61066	212.68593	218.34409	11.41634	0.1935445	0.23212181	2.6221574	21	—	—
164912 1999 XP_{15}	17.0	X	99.28251	296.91523	99.83757	4.26041	0.3280129	0.23866414	2.5740162	21	2 8.9	20.1
164913 1999 XK_{32}	15.4	X	75.87288	338.68381	113.39637	14.24157	0.1976771	0.23688450	2.5868919	21	3 1.3	18.3
164914 1999 XV_{37}	16.3	X	116.73855	107.29526	310.27793	9.56407	0.2371962	0.24292418	2.5438347	21	3 9.8	20.0
164915 1999 XC_{38}	15.8	X	176.30400	301.49220	69.97684	12.79138	0.2864393	0.24587379	2.5234492	21	3 20.4	20.5
164916 1999 XV_{38}	15.8	X	95.80992	284.76404	158.38074	5.78359	0.2783014	0.24181586	2.5516016	21	3 29.4	19.0
164917 1999 XF_{41}	16.1	X	73.75552	29.49643	46.58800	7.20609	0.0852546	0.23988459	2.5652782	21	1 16.3	19.2
164918 1999 XR_{41}	16.0	X	42.35761	310.81595	152.65391	3.40094	0.1865193	0.23691501	2.5866698	21	1 1.9	18.3
164919 1999 XD_{44}	15.3	X	135.41844	0.00148	40.08487	3.81947	0.1665213	0.24370493	2.5383987	21	3 4.9	19.0
164920 1999 XL_{46}	16.2	X	96.99923	35.06838	38.81915	1.55725	0.1638166	0.24168617	2.5525143	21	2 27.8	19.1
164921 1999 XW_{57}	16.0	X	71.69631	13.02790	78.62935	13.31147	0.2027166	0.23939441	2.5687788	21	2 23.3	18.9
164922 1999 XZ_{72}	15.4	X	78.06496	160.43519	248.76644	6.42272	0.1768083	0.23578495	2.5949281	21	—	—
164923 1999 XC_{77}	15.3	X	34.88330	170.17538	249.99611	4.86332	0.1509439	0.23066059	2.6332198	21	—	—
164924 1999 XS_{77}	16.0	X	172.50877	124.64302	238.19314	3.70553	0.2584040	0.24329334	2.5412608	21	2 25.9	20.3
164925 1999 XN_{79}	16.3	X	77.14471	163.04602	228.92340	2.10251	0.0304855	0.23301695	2.6154377	21	—	—
164926 1999 XL_{87}	16.1	X	55.78552	181.56868	239.96725	4.06060	0.2530638	0.23397784	2.6082721	21	—	—
164927 1999 XO_{92}	15.6	X	258.50875	10.60335	97.20932	6.32450	0.1186412	0.21711917	2.7415991	21	10 9.8	19.4
164928 1999 XQ_{99}	15.5	X	112.76687	176.14069	259.09537	12.62164	0.1474671	0.24302024	2.5431643	21	3 12.4	19.2
164929 1999 XK_{102}	16.3	X	55.10252	2.18436	70.33685	5.98875	0.3240251	0.23503841	2.6004199	21	—	—
164930 1999 XZ_{111}	16.3	X	103.23465	332.13923	54.28335	3.65147	0.1469499	0.23707653	2.5854948	21	1 2.7	19.4
164931 1999 XO_{113}	16.0	X	34.65979	119.55829	357.41367	14.82893	0.1945468	0.23796399	2.5790626	21	1 8.4	18.6
164932 1999 XW_{115}	15.4	X	210.17412	82.45771	309.36291	4.44181	0.1931584	0.25326490	2.4741121	21	4 30.1	19.5
164933 1999 XJ_{124}	16.3	X	131.07853	359.79469	26.02413	8.16203	0.1929090	0.24185309	2.5513397	21	2 15.6	20.0
164934 1999 XV_{125}	15.6	X	77.43391	89.48884	351.91230	3.92741	0.1731286	0.23970669	2.5665473	21	2 9.2	18.2
164935 1999 XR_{126}	16.3	X	27.09776	86.98838	2.84829	4.30031	0.1991418	0.23387435	2.6090415	21	—	—
164936 1999 XX_{128}	15.1	X	330.01837	134.95657	293.57320	7.67884	0.2213596	0.22459183	2.6804441	21	12 8.9	17.4
164937 1999 XW_{145}	16.3	X	193.99149	208.98418	65.98461	5.18601	0.1532359	0.23578982	2.5948923	21	—	—
164938 1999 XU_{151}	15.7	X	55.20616	104.28749	305.00914	4.83874	0.1205600	0.22987957	2.6391807	21	—	—
164939 1999 XT_{155}	15.6	X	114.83985	164.44218	238.79895	7.31975	0.3229859	0.24111780	2.5565239	21	3 1.5	19.4
164940 1999 XZ_{155}	15.9	X	177.66983	271.32980	102.36152	7.33786	0.2693117	0.24602955	2.5223840	21	3 20.0	20.4
164941 1999 XQ_{168}	15.5	X	12.60951	135.37065	346.77061	3.27585	0.2006051	0.23468807	2.6030072	21	—	—
164942 1999 XE_{170}	16.0	X	54.99300	27.68977	45.95003	4.32800	0.2093275	0.23501279	2.6006090	21	—	—
164943 1999 XS_{176}	16.2	X	310.86091	128.22499	8.65810	6.74952	0.3240168	0.22439776	2.6819893	21	—	—
164944 1999 XU_{177}	16.3	X	7.80790	6.12585	77.91723	6.61719	0.2233863	0.22861444	2.6489084	21	—	—
164945 1999 XD_{183}	16.7	X	68.66113	32.02020	10.75289	4.87878	0.2901942	0.23504096	2.6004011	21	—	—
164946 1999 XF_{192}	15.4	X	335.09125	224.37143	290.04312	10.28119	0.2709933	0.23046815	2.6346854	21	—	—
164947 1999 XN_{201}	16.4	X	72.29540	6.78099	37.53123	6.01636	0.2493120	0.23403671	2.6078347	21	—	—
164948 1999 XQ_{229}	16.3	X	103.12704	55.02399	2.05746	7.20426	0.2835776	0.24149888	2.5538338	21	3 5.3	19.6
164949 1999 XF_{231}	15.1	X	10.72276	23.85144	42.63995	14.80276	0.3011645	0.22611162	2.6684196	21	—	—
164950 1999 XC_{234}	16.3	X	114.37019	195.05036	179.61665	5.95423	0.2353644	0.23870377	2.5737313	21	1 14.7	19.7
164951 1999 XM_{242}	15.3	X	277.53708	92.02734	52.65191	14.80720	0.2059998	0.22230803	2.6987705	21	12 6.8	18.4
164952 1999 XM_{243}	14.8	X	296.23554	138.38534	21.04388	13.79599	0.1855240	0.22589463	2.6701282	21	—	—
164953 1999 XP_{252}	17.0	X	134.92677	149.48288	190.04640	2.09445	0.0692545	0.23574402	2.5952285	21	—	—
164954 1999 YW_{3}	14.7	X	60.05331	40.73473	35.22736	30.74050	0.2110648	0.23500883	2.6006381	21	1 1.7	17.9
164955 1999 YA_{11}	16.1	X	58.58604	7.76420	107.49289	5.23616	0.2519873	0.23933609	2.5691961	21	3 6.7	18.2
164956 1999 YZ_{13}	16.0	X	26.38079	344.15386	88.20947	5.48609	0.0447836	0.23073883	2.6326246	21	—	—
164957 1999 YW_{22}	16.0	X	115.33563	348.42613	48.69504	6.24456	0.2842190	0.23866454	2.5740133	21	2 24.3	19.7
164958 2000 AM_{3}	16.2	X	88.36733	11.46425	32.80742	4.35750	0.1994592	0.23594428	2.5937598	21	1 12.4	19.0
164959 2000 AS_{8}	16.1	X	24.91082	47.95908	36.20128	5.41923	0.2140040	0.23221887	2.6214267	21	—	—
164960 2000 AW_{13}	15.5	X	102.71383	344.28734	76.15900	15.36209	0.1281457	0.23945546	2.5683422	21	2 18.4	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
164961 2000 AH_{16}	16.3	X	9.80781	10.11880	93.18772	3.84023	0.1797753	0.23132758	2.6281558	21	—	—
164962 2000 AO_{27}	16.1	X	57.56630	55.45266	8.36941	2.97834	0.2470638	0.23361184	2.6109956	21	—	—
164963 2000 AW_{29}	15.3	X	355.14556	118.85357	307.42172	13.13746	0.0620130	0.22382767	2.6865414	21	—	—
164964 2000 AT_{30}	16.2	X	99.15127	71.33907	357.08842	3.37953	0.2568937	0.23901878	2.5714694	21	3 10.2	19.3
164965 2000 AZ_{39}	15.9	X	312.76526	57.06939	92.94548	7.14915	0.1602855	0.22712165	2.6605026	21	—	—
164966 2000 AM_{44}	16.0	X	89.82228	336.23919	307.71178	5.67256	0.0422028	0.21667811	2.7453182	21	11 5.5	19.9
164967 2000 AO_{51}	15.5	X	235.52684	109.39589	286.86292	5.68479	0.1273027	0.25745420	2.4471996	21	6 4.8	19.2
164968 2000 AS_{52}	15.8	X	193.17080	133.73180	283.61267	2.70023	0.1629356	0.25318650	2.4746229	21	5 18.9	19.7
164969 2000 AK_{53}	15.8	X	15.73339	146.91520	319.55268	6.09580	0.0410515	0.23178780	2.6246758	21	—	—
164970 2000 AV_{53}	15.6	X	79.60486	284.74893	105.80630	3.20519	0.1303190	0.23057426	2.6338771	21	—	—
164971 2000 AV_{61}	15.4	X	314.90776	231.47925	308.76784	3.63888	0.2284129	0.22790961	2.6543670	21	—	—
164972 2000 AM_{62}	15.3	X	331.95563	165.02949	313.60997	12.41391	0.1395277	0.22521218	2.6755195	21	—	—
164973 2000 AU_{68}	15.4	X	126.96624	289.84600	96.70840	7.35077	0.1611002	0.24029965	2.5623235	21	2 5.9	18.9
164974 2000 AO_{78}	15.6	X	76.50969	213.29842	206.58150	3.85537	0.2237805	0.23602367	2.5931781	21	1 14.5	18.2
164975 2000 AO_{117}	15.6	X	65.44259	144.66597	276.17558	8.96387	0.1873686	0.23277285	2.6172658	21	—	—
164976 2000 AJ_{118}	16.3	X	50.91245	279.75507	184.52485	5.26313	0.2159058	0.23488973	2.6015172	21	1 23.5	18.6
164977 2000 AA_{123}	14.9	X	113.15621	39.53475	263.91502	10.29698	0.0342542	0.22167263	2.7039251	21	12 29.1	18.7
164978 2000 AH_{143}	15.6	X	28.80398	226.80210	258.47284	3.42039	0.2048838	0.23199321	2.6231263	21	1 5.3	18.0
164979 2000 AK_{152}	16.6	X	289.08385	193.46212	260.96496	17.39534	0.0972916	0.35648302	1.9698969	21	12 8.1	17.8
164980 2000 AW_{152}	14.8	X	262.67858	146.10021	280.38370	24.70701	0.1281660	0.21119466	2.7926345	21	8 6.4	19.1
164981 2000 AT_{167}	15.7	X	24.59637	289.39319	174.74588	13.02130	0.1551949	0.23111467	2.6297696	21	—	—
164982 2000 AL_{171}	15.9	X	144.92915	237.41438	173.91376	6.54245	0.0979498	0.24401586	2.5362419	21	3 20.4	19.4
164983 2000 AE_{178}	15.4	X	62.93540	168.78957	247.34632	11.72688	0.2344531	0.23348565	2.6119363	21	—	—
164984 2000 AF_{193}	15.5	X	317.98709	259.18623	216.69978	11.54302	0.1490827	0.22419030	2.6836436	21	—	—
164985 2000 AN_{207}	15.8	X	189.95488	255.02367	306.17026	5.10260	0.1692885	0.21361323	2.7715154	21	11 9.5	20.4
164986 2000 AE_{219}	16.7	X	56.69275	13.52611	21.99332	1.12973	0.1342180	0.22847935	2.6499524	21	—	—
164987 2000 AE_{234}	16.6	X	74.07933	159.53971	266.44422	4.62686	0.2876737	0.23688142	2.5869144	21	1 28.3	18.8
164988 2000 AK_{239}	15.7	X	70.96200	276.99059	109.10326	8.42300	0.1509515	0.22905238	2.6455309	21	—	—
164989 2000 AE_{247}	15.0	X	338.55518	121.55417	323.04347	21.25753	0.0773358	0.22364718	2.6879866	21	—	—
164990 2000 BB_{2}	16.2	X	8.67832	208.69864	139.20243	4.24734	0.1013319	0.21269492	2.7794869	21	10 21.4	19.5
164991 2000 BQ_{8}	14.8	X	123.09869	257.05089	73.15785	14.80124	0.1779143	0.22741613	2.6582054	21	—	—
164992 2000 BX_{8}	15.2	X	23.85811	357.43845	71.05528	12.82579	0.0950209	0.22690955	2.6621603	21	—	—
164993 2000 BW_{9}	16.6	X	267.97503	313.95197	150.14019	0.85177	0.0242493	0.21473881	2.7618220	21	10 27.9	20.2
164994 2000 BK_{13}	16.4	X	306.51135	164.46184	314.20876	2.18403	0.1102272	0.22182390	2.7026958	21	—	—
164995 2000 BR_{16}	15.3	X	9.51925	326.48174	114.13619	12.69508	0.1477339	0.22805355	2.6532499	21	—	—
164996 2000 BS_{17}	16.1	X	38.07351	64.98812	8.37268	4.14474	0.1699046	0.23046910	2.6346782	21	—	—
164997 2000 BW_{24}	15.5	X	164.02257	6.62596	76.54590	10.13337	0.1115138	0.24581996	2.5238175	21	5 23.8	19.3
164998 2000 BO_{25}	16.1	X	331.90101	167.80531	305.95054	6.21015	0.1865236	0.22557448	2.6726540	21	—	—
164999 2000 BS_{25}	15.8	X	284.72499	173.03684	308.80782	7.51214	0.1329200	0.22021451	2.7158478	21	11 28.5	19.1
165000 2000 BS_{31}	15.7	X	279.39652	106.77405	303.41677	7.79227	0.1583182	0.21175847	2.7876753	21	8 11.3	19.4
165001 2000 BA_{38}	16.0	X	113.98128	96.63824	126.37584	5.55822	0.1540100	0.25504223	2.4626044	21	10 6.5	19.7
165002 2000 BM_{49}	16.2	X	289.95902	189.72310	275.79631	1.38366	0.1420355	0.21987184	2.7186688	21	11 14.7	19.2
165003 2000 BT_{49}	15.2	X	86.23933	97.20560	330.56697	11.06369	0.2657420	0.23811001	2.5780081	21	2 19.7	17.9
165004 2000 CH_{15}	15.8	X	200.84092	192.85672	11.74067	3.39377	0.1291927	0.21733374	2.7397942	21	11 28.4	20.0
165005 2000 CD_{22}	15.3	X	61.16148	68.23263	292.17656	4.05984	0.0429282	0.22108812	2.7086888	21	—	—
165006 2000 CC_{39}	16.2	X	59.77977	72.41929	31.59354	4.84462	0.2532831	0.23472711	2.6027186	21	2 21.6	18.4
165007 2000 CW_{44}	16.0	X	305.42492	328.91725	186.10029	3.87082	0.2408674	0.22401331	2.6850569	21	—	—
165008 2000 CJ_{45}	16.3	X	216.67630	342.69500	173.19241	9.71624	0.2382881	0.21304606	2.7764320	21	10 8.0	20.8
165009 2000 CC_{46}	15.8	X	309.32801	300.69941	158.90102	13.84421	0.1656244	0.21969062	2.7201637	21	12 11.0	19.0
165010 2000 CG_{79}	15.8	X	89.36155	331.29208	317.16158	4.12540	0.0319304	0.21390857	2.7689637	21	11 9.6	19.8
165011 2000 CA_{82}	15.6	X	17.99000	300.49166	137.47950	13.42619	0.2352012	0.22714315	2.6603347	21	—	—
165012 2000 CJ_{84}	15.4	X	342.16265	143.49859	327.62745	12.45363	0.1113626	0.22408930	2.6844499	21	—	—
165013 2000 CO_{90}	15.4	X	177.35140	138.76598	53.32726	4.37392	0.0924285	0.21135825	2.7911933	21	10 23.7	19.5
165014 2000 CZ_{97}	15.7	X	304.62851	148.54736	312.01487	8.41478	0.0690895	0.22052995	2.7132574	21	12 8.4	19.2
165015 2000 CS_{98}	15.4	X	355.68873	85.82650	315.31086	4.40109	0.0536617	0.21784498	2.7355061	21	12 5.2	18.8
165016 2000 CV_{98}	16.1	X	44.13506	120.84603	275.03950	0.50056	0.1435044	0.22446655	2.6814413	21	—	—
165017 2000 CM_{108}	15.5	X	22.53801	217.50586	253.94319	11.85417	0.2404659	0.23101863	2.6304984	21	—	—
165018 2000 CP_{113}	16.1	X	71.28866	274.20750	124.88664	3.25864	0.1352734	0.23007858	2.6376586	21	—	—
165019 2000 CG_{115}	16.4	X	47.24367	37.44188	64.49808	1.64490	0.1795997	0.23221811	2.6214324	21	1 12.6	18.8
165020 2000 CB_{126}	15.6	X	257.83443	72.08467	93.15191	5.94218	0.0957548	0.21984836	2.7188624	21	12 22.0	18.8
165021 2000 CJ_{129}	15.9	X	30.16914	257.49086	128.07122	15.09609	0.2300936	0.22413837	2.6840581	21	—	—
165022 2000 CN_{130}	16.4	X	330.51260	271.60741	142.42164	5.21740	0.1245961	0.21701534	2.7424734	21	11 17.7	19.4
165023 2000 CD_{132}	15.8	X	358.32751	332.91333	348.08197	1.08380	0.0408116	0.20505755	2.8480801	21	8 23.6	19.5
165024 2000 CG_{132}	16.2	X	212.24291	84.26254	338.05206	5.31263	0.0635206	0.20073105	2.8888590	21	6 19.5	20.5
165025 2000 DT_{7}	16.4	X	238.84812	240.67411	302.27306	1.14451	0.0286812	0.22027833	2.7153232	21	12 29.5	20.1
165026 2000 DJ_{9}	16.0	X	8.22599	211.09201	153.14325	4.82198	0.0877276	0.21440013	2.7647298	21	11 10.1	19.4
165027 2000 DU_{12}	16.2	X	255.96547	36.42827	17.53238	3.37397	0.0299026	0.20144818	2.8819989	21	8 6.6	20.1
165028 2000 DA_{19}	15.9	X	228.53754	168.28139	333.17032	7.34331	0.1594661	0.21385849	2.7693960	21	10 5.1	20.1
165029 2000 DC_{21}	15.5	X	250.65346	99.49150	333.31703	6.99156	0.2163638	0.20990647	2.8040484	21	7 31.2	19.8
165030 2000 DT_{24}	15.8	X	326.71557	300.70491	139.87464	5.71976	0.0899966	0.21912820	2.7248161	21	12 16.2	19.0
165031 2000 DB_{27}	16.3	X	343.87777	179.30729	295.70662	1.16003	0.1636839	0.22538931	2.6741176	21	—	—
165032 2000 DL_{54}	15.7	X	222.56688	358.12565	165.38177	5.20720	0.0909835	0.21374132	2.7704080	21	11 7.3	19.7
165033 2000 DL_{58}	15.6	X	33.17259	58.81174	318.32954	4.97373	0.0738198	0.21718374	2.7410556	21	12 29.1	19.3
165034 2000 DX_{60}	14.8	X	88.00165	69.04695	158.98815	17.19175	0.0339747	0.20355265	2.8621005	21	8 22.3	18.8
165035 2000 DH_{63}	15.4	X	18.20054	234.25284	331.69014	9.49430	0.0458204	0.19193705	2.9764380	21	4 15.5	19.5
165036 2000 DB_{76}	15.4	X	201.05477	3.06787	162.16489	9.12645	0.0846676	0.21064282	2.7975097	21	10 17.6	19.6
165037 2000 DV_{88}	15.0	X	232.41038	288.54852	346.59124	25.42005	0.2208886	0.17844661	3.1246198	21	1 17.0	20.7
165038 2000 DM_{89}	16.2	X	291.14014	259.92732	137.66002	2.53532	0.0748121	0.20838467	2.8176834	21	8 25.3	19.6
165039 2000 DP_{95}	15.4	X	308.15836	328.13143	138.00361	12.20163	0.0590865	0.21894391	2.7263450	21	12 22.3	18.9
165040 2000 DR_{97}	16.4	X	126.91868	22.01246	49.87820	5.12889	0.2446596	0.24047547	2.5610744	21	4 13.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
165041 2000 DG_{100}	15.6	X	264.39360	24.89759	85.85185	5.04815	0.0538202	0.21321608	2.7749559	21	10 28.9	19.3
165042 2000 DE_{110}	15.1	X	346.10743	264.72784	168.83554	25.18360	0.1308630	0.21869125	2.7284444	21	—	—
165043 2000 DM_{113}	15.8	X	305.61999	243.41852	145.65242	13.50330	0.0877870	0.20998389	2.8033591	21	9 3.8	19.2
165044 2000 EO_{8}	14.2	X	302.25116	277.73351	182.96500	2.82192	0.0991405	0.12658799	3.9283277	21	11 14.5	19.3
165045 2000 ES_{16}	15.3	X	339.98790	310.77343	278.26119	2.56977	0.1597445	0.18766239	3.0214673	21	3 13.2	19.0
165046 2000 EG_{18}	15.5	X	256.51727	95.41085	47.83211	9.53926	0.1152142	0.21635245	2.7480724	21	11 18.1	19.1
165047 2000 EY_{32}	16.2	X	7.19558	62.51011	44.49375	4.68359	0.1047140	0.22603110	2.6690534	21	—	—
165048 2000 EE_{35}	15.7	X	303.80146	264.94651	219.96794	6.68012	0.1506174	0.22115065	2.7081782	21	—	—
165049 2000 EO_{42}	15.4	X	128.27274	43.53929	173.83403	15.37783	0.0828275	0.20540045	2.8449095	21	10 3.5	19.6
165050 2000 EF_{48}	14.9	X	270.72775	73.93331	187.68808	21.81028	0.1531499	0.18031963	3.1029447	21	1 26.6	20.0
165051 2000 EL_{51}	16.5	X	330.36894	114.17905	193.84671	1.51886	0.0580090	0.19863687	2.9091278	21	6 24.0	20.3
165052 2000 EE_{59}	14.8	X	289.71169	62.70453	197.02231	7.40439	0.1560665	0.18286637	3.0740681	21	2 13.4	19.5
165053 2000 EM_{61}	15.6	X	248.35732	294.32172	184.96924	14.16987	0.0722699	0.21010138	2.8023139	21	10 15.5	19.4
165054 2000 EP_{68}	15.8	X	336.00756	206.22717	4.12353	4.75309	0.1604128	0.18413541	3.0599277	21	2 14.5	19.7
165055 2000 EP_{76}	15.9	X	41.58431	14.00628	79.43105	6.53903	0.2139121	0.23052388	2.6342608	21	—	—
165056 2000 ED_{79}	15.3	X	233.36984	169.56241	353.61723	13.59565	0.1378941	0.21519653	2.7579044	21	11 6.7	19.5
165057 2000 EF_{96}	15.3	X	309.31976	27.38923	163.73812	8.20599	0.1061265	0.18031443	3.1030044	21	—	—
165058 2000 EW_{100}	15.4	X	275.08351	309.03977	3.76308	7.86096	0.0790193	0.18994051	2.9972593	21	4 11.9	19.7
165059 2000 ET_{102}	16.2	X	48.35103	23.00280	225.40298	1.09328	0.0195867	0.20012884	2.8946514	21	7 25.4	19.9
165060 2000 EW_{114}	15.7	X	318.00295	228.60341	185.45051	4.21556	0.0608638	0.21216486	2.7841144	21	10 28.5	19.1
165061 2000 EF_{115}	15.6	X	14.29920	48.59749	329.02487	2.05465	0.0885312	0.21445381	2.7642684	21	12 4.7	19.0
165062 2000 EO_{119}	15.5	X	16.86924	62.59963	51.26092	7.64998	0.2069442	0.22942092	2.6426970	21	—	—
165063 2000 EM_{146}	16.2	X	208.78795	115.94174	24.58894	4.92098	0.1432179	0.21033579	2.8002314	21	9 19.3	20.5
165064 2000 ED_{166}	15.4	X	265.44846	294.25410	353.02616	9.35191	0.0844308	0.18593966	3.0401011	21	3 3.1	19.9
165065 2000 ES_{169}	15.3	X	321.56102	81.02930	43.45502	12.13623	0.2391924	0.22280717	2.6947383	21	—	—
165066 2000 ES_{199}	15.5	X	328.35444	216.97368	243.13982	7.38369	0.2174596	0.22279846	2.6948086	21	—	—
165067 Pauls	16.3	X	315.12246	279.21229	197.41500	12.33112	0.2224273	0.22251463	2.6970997	21	—	—
165068 2000 FV	15.1	X	287.85498	249.84571	14.74064	11.02388	0.0910269	0.18452880	3.0555773	21	3 3.2	19.5
165069 2000 FH_{7}	16.1	X	39.47657	41.46101	177.15471	0.65922	0.0874554	0.19328533	2.9625802	21	6 10.7	19.8
165070 2000 FX_{8}	15.2	X	214.66628	6.47557	221.09710	2.62591	0.0774539	0.16922869	3.2370796	21	—	—
165071 2000 FT_{24}	15.3	X	67.58645	45.34653	76.44806	12.90276	0.2236083	0.23461743	2.6035297	21	4 6.0	18.3
165072 2000 FB_{27}	14.4	X	307.43380	119.67033	179.53110	10.92967	0.0817001	0.19126915	2.9833630	21	5 9.6	18.5
165073 2000 FE_{28}	15.7	X	254.48336	309.24315	203.31766	4.75980	0.1064751	0.21411841	2.7671543	21	11 29.3	19.4
165074 2000 FB_{40}	15.8	X	295.96910	313.97323	162.29095	8.63263	0.1980234	0.21631748	2.7483686	21	12 3.8	18.8
165075 2000 FW_{58}	15.0	X	286.04223	237.97544	7.29073	16.61173	0.2176320	0.18108806	3.0941605	21	1 24.6	20.1
165076 2000 FX_{63}	15.8	X	202.53768	157.00682	40.06473	9.64302	0.0843112	0.21290038	2.7776984	21	11 23.9	19.8
165077 2000 FB_{72}	16.1	X	159.44439	226.07459	351.00510	3.66665	0.0421683	0.21074475	2.7966077	21	11 3.2	20.1
165078 2000 GN_{11}	15.8	X	242.52858	107.07936	16.14344	9.08847	0.1144319	0.21037336	2.7998980	21	10 6.4	19.7
165079 2000 GG_{17}	15.4	X	99.42633	318.19864	185.92950	10.27333	0.0377121	0.19279698	2.9675809	21	5 21.8	19.6
165080 2000 GU_{21}	15.8	X	142.27376	167.48373	16.57713	1.70472	0.0535824	0.20221142	2.8747424	21	9 4.2	19.8
165081 2000 GG_{23}	15.5	X	222.10942	124.88881	165.89531	2.47300	0.2113448	0.17620751	3.1510341	21	1 19.1	20.8
165082 2000 GJ_{34}	14.9	X	253.63548	270.42180	17.45729	18.29237	0.1460003	0.18085473	3.0968212	21	2 21.9	20.0
165083 2000 GK_{37}	15.1	X	174.82498	305.73306	21.05820	6.35701	0.1884015	0.17515253	3.1636744	21	1 24.9	20.4
165084 2000 GG_{38}	15.2	X	165.80631	313.22925	152.56666	2.44072	0.0193840	0.19532924	2.9418772	21	6 20.9	19.4
165085 2000 GZ_{38}	14.8	X	252.68302	303.96371	20.71130	22.56026	0.1306023	0.18643537	3.0347099	21	4 1.2	19.5
165086 2000 GN_{44}	15.5	X	289.11223	238.90039	24.17067	17.38858	0.2123504	0.18153108	3.0891243	21	2 20.5	20.4
165087 2000 GF_{45}	15.4	X	319.71579	115.74036	147.92161	2.05114	0.0302361	0.18808454	3.0169444	21	4 16.2	19.4
165088 2000 GU_{46}	15.1	X	340.78335	25.61962	202.67788	7.05621	0.1019721	0.18568780	3.0428495	21	3 21.0	18.9
165089 2000 GT_{62}	15.5	X	241.09881	207.83213	77.48542	2.20409	0.1370156	0.17811359	3.1285133	21	1 31.8	20.5
165090 2000 GP_{72}	14.6	X	204.64792	261.77970	38.60196	16.48356	0.2270569	0.17278831	3.1924675	21	1 21.3	20.4
165091 2000 GK_{79}	15.5	X	276.90615	181.28398	45.57436	1.62943	0.1303279	0.17584306	3.1553865	21	—	—
165092 2000 GM_{81}	14.8	X	293.52221	184.15786	44.47565	10.75224	0.1355802	0.17830705	3.1262500	21	1 19.6	19.5
165093 2000 GG_{89}	14.3	X	296.25881	205.63934	34.01719	28.52530	0.0907256	0.18123839	3.0924493	21	2 24.5	19.3
165094 2000 GV_{89}	15.5	X	291.44467	285.18189	161.21618	11.36895	0.1160410	0.21072358	2.7967950	21	10 27.8	19.0
165095 2000 GR_{111}	16.2	X	330.84148	67.96747	176.56781	0.64777	0.2370934	0.18531080	3.0469750	21	3 9.1	19.7
165096 2000 GX_{128}	15.8	X	265.38047	157.97627	194.90089	13.60989	0.1587927	0.19309991	2.9644765	21	5 13.9	20.4
165097 2000 GB_{129}	15.9	X	291.90106	253.93161	192.48222	3.64441	0.0735753	0.21025332	2.8009637	21	10 30.9	19.5
165098 2000 GG_{133}	15.2	X	230.10814	70.50162	192.09139	32.52461	0.2365519	0.17207410	3.2012952	21	—	—
165099 2000 GJ_{154}	15.1	X	295.38308	45.84389	224.52443	11.54712	0.1074022	0.18557396	3.0440937	21	3 8.8	19.6
165100 2000 HV	15.4	X	259.94431	208.40735	101.34969	3.30321	0.1012167	0.18414698	3.0597996	21	3 23.2	20.0
165101 2000 HY_{3}	15.1	X	202.57728	143.59637	199.07456	8.75586	0.1185097	0.18208745	3.0828286	21	3 1.3	20.1
165102 2000 HN_{17}	15.2	X	339.60737	156.24370	103.36031	2.88887	0.0537446	0.18900003	3.0071941	21	5 5.8	19.2
165103 2000 HJ_{26}	15.3	X	44.02375	212.20456	46.16261	11.81007	0.0441512	0.19631300	2.9320408	21	8 9.9	19.4
165104 2000 HR_{33}	14.8	X	237.92091	267.99522	24.77511	15.80000	0.0756420	0.17895759	3.1186691	21	2 16.4	19.8
165105 2000 HG_{45}	15.5	X	94.95685	173.83019	49.94157	9.04771	0.1437765	0.19931701	2.9025061	21	9 14.1	19.9
165106 2000 HS_{59}	15.7	X	335.64940	27.96625	208.99956	3.75495	0.1070244	0.18459117	3.0548890	21	3 24.5	19.7
165107 2000 HE_{63}	14.9	X	69.31566	118.95532	43.86645	10.58465	0.0495931	0.18981770	2.9985519	21	5 6.2	18.7
165108 2000 HN_{67}	15.0	X	162.02457	154.75084	214.81212	8.34205	0.0961215	0.17918821	3.1159927	21	2 20.4	19.9
165109 2000 HS_{71}	14.8	X	233.70805	72.80018	229.04172	20.56157	0.1904071	0.17755954	3.1350180	21	2 3.0	20.5
165110 2000 HR_{84}	15.2	X	212.86598	170.66809	102.02707	6.00103	0.1330125	0.17178170	3.2049269	21	—	—
165111 2000 HC_{103}	15.0	X	353.43801	35.98927	150.38022	9.64801	0.0959396	0.18307137	3.0717729	21	2 16.7	18.7
165112 2000 HE_{103}	15.4	X	324.65376	28.27025	184.34090	17.33777	0.1483568	0.18151213	3.0893393	21	1 30.0	19.8
165113 2000 JB_{19}	15.0	X	351.94680	2.01708	156.16571	18.59487	0.1597113	0.17852813	3.1236685	21	1 4.2	19.2
165114 2000 JK_{27}	14.8	X	246.74743	250.28796	343.47100	4.58485	0.1161273	0.17214604	3.2004032	21	—	—
165115 2000 JY_{28}	14.1	X	222.00004	58.61330	242.01244	13.17419	0.2040412	0.17461262	3.1701924	21	1 26.5	19.7
165116 2000 JX_{41}	14.9	X	203.30288	74.30613	226.60985	15.44645	0.0980667	0.17454504	3.1710107	21	1 12.3	20.1
165117 2000 JB_{61}	16.8	X	116.40296	44.17463	238.61383	5.87956	0.2722261	0.29838157	2.2179651	21	12 27.7	20.7
165118 2000 JB_{68}	15.2	X	193.59957	155.20709	208.74615	8.09919	0.0928824	0.18466623	3.0540612	21	3 17.6	19.9
165119 2000 JC_{68}	16.0	X	238.61551	60.73154	210.81730	4.94963	0.2088967	0.17553367	3.1590931	21	1 9.8	21.4
165120 2000 JZ_{71}	15.0	X	206.97978	199.65880	80.90235	6.38127	0.1410527	0.17186577	3.2038816	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
165121 2000 JY_{76}	16.8	X	181.29697	230.60636	353.04290	1.83670	0.0901755	0.30230152	2.1987499	21	12 20.1	19.7
165122 2000 JJ_{84}	14.0	X	179.94970	275.04336	58.96383	26.05357	0.1745986	0.17409801	3.1764365	21	2 13.3	19.7
165123 2000 KP_{6}	15.3	X	298.58647	77.16200	165.28466	3.97599	0.1644789	0.17819773	3.1275285	21	2 3.8	19.9
165124 2000 KW_{8}	17.7	X	76.70882	44.67274	233.20895	2.94547	0.2241480	0.29393163	2.2402948	21	11 16.7	20.9
165125 2000 KC_{11}	14.8	X	235.11976	28.95007	238.87078	14.84776	0.0794287	0.17387218	3.1791864	21	1 6.4	19.8
165126 2000 KJ_{32}	15.1	X	12.70246	116.15179	91.62633	2.99920	0.0927428	0.18384396	3.0631609	21	4 16.7	18.8
165127 2000 KX_{40}	15.6	X	316.25884	93.00297	186.33838	4.35475	0.1365266	0.18510633	3.0492185	21	4 17.1	19.4
165128 2000 KU_{43}	16.5	X	11.32158	75.58961	211.28715	5.71319	0.1384804	0.28167844	2.3048021	21	8 3.9	18.7
165129 2000 KU_{44}	15.4	X	123.54209	246.81694	188.56557	9.47790	0.0675842	0.18209661	3.0827252	21	3 29.1	19.7
165130 2000 KP_{54}	15.2	X	246.30890	74.05817	171.08604	15.50725	0.0949549	0.17209907	3.2009854	21	—	—
165131 2000 KQ_{57}	15.5	X	270.45138	53.26744	198.99203	9.73914	0.1877788	0.17647485	3.1478509	21	1 14.6	20.7
165132 2000 KV_{58}	16.6	X	176.76318	151.52187	148.07330	5.45138	0.1759943	0.30940517	2.1649656	21	—	—
165133 2000 KP_{61}	14.5	X	208.88676	79.03510	222.29324	13.49778	0.1866575	0.17213265	3.2005691	21	1 18.5	20.1
165134 2000 KT_{65}	15.2	X	328.46826	81.99059	136.23949	15.99998	0.1642515	0.17986738	3.1081439	21	2 12.9	19.3
165135 2000 KU_{70}	14.8	X	286.77748	54.31423	192.54604	16.79112	0.1484567	0.17812888	3.1283343	21	1 26.5	19.7
165136 2000 KN_{74}	15.0	X	300.24595	28.15096	203.46536	6.97449	0.1733765	0.17834155	3.1258468	21	1 21.6	19.7
165137 2000 KM_{79}	14.1	X	193.38732	123.60894	228.73287	25.42753	0.2447897	0.17502185	3.1652489	21	2 28.4	20.1
165138 2000 NL_{5}	16.2	X	58.61161	11.91010	339.44078	4.77191	0.2587565	0.29177274	2.2513321	21	—	—
165139 2000 NJ_{10}	16.6	X	65.54200	167.04826	166.22429	2.73555	0.3074927	0.29214917	2.2493979	21	—	—
165140 2000 OJ_{1}	16.6	X	118.42269	128.93429	215.75941	4.43960	0.1688141	0.30123018	2.2039601	21	—	—
165141 2000 OH_{14}	16.9	X	92.75240	12.93369	287.00895	4.18729	0.1992379	0.29430451	2.2384021	21	12 27.2	20.3
165142 2000 OM_{40}	16.6	X	68.45007	180.57631	175.33478	7.63231	0.1588657	0.29505798	2.2345898	21	—	—
165143 2000 PQ_{2}	17.0	X	127.53994	113.75893	193.91300	4.09140	0.1810526	0.29944055	2.2127328	21	—	—
165144 2000 QO_{7}	16.3	X	56.60222	123.46286	173.01078	23.29946	0.2775771	0.28710424	2.2756719	21	11 28.6	20.1
165145 2000 QV_{10}	17.3	X	48.96724	345.92534	336.06520	2.89066	0.2043127	0.28997830	2.2606104	21	12 11.3	20.4
165146 2000 QN_{13}	16.4	X	58.58066	273.55908	163.98590	1.83467	0.0498101	0.30502161	2.1856585	21	—	—
165147 2000 QD_{18}	16.9	X	51.42645	213.30980	145.49844	5.64744	0.1826344	0.29269325	2.2466094	21	—	—
165148 2000 QR_{18}	17.2	X	292.16468	244.20507	145.52005	2.70269	0.2396596	0.27930164	2.3178592	21	7 22.1	19.7
165149 2000 QC_{22}	15.9	X	211.16203	106.74460	336.81728	5.55946	0.1884646	0.27552542	2.3389895	21	7 9.3	19.6
165150 2000 QU_{28}	15.3	X	276.44037	306.07471	50.52143	2.16069	0.2006399	0.17949443	3.1124478	21	5 24.4	19.9
165151 2000 QT_{33}	16.0	X	294.11203	246.21305	328.77940	6.92819	0.1014347	0.30793181	2.1718659	21	—	—
165152 2000 QS_{38}	16.3	X	144.05148	179.05820	151.14177	4.59254	0.0122407	0.30260832	2.1972635	21	—	—
165153 2000 QR_{39}	16.5	X	324.26677	176.60751	152.45593	5.98918	0.1477172	0.27883607	2.3204386	21	7 2.8	18.7
165154 2000 QE_{40}	17.0	X	32.98335	3.94338	339.11271	3.87973	0.1786455	0.28909913	2.2651911	21	12 15.8	19.7
165155 2000 QG_{40}	16.9	X	134.86772	127.42967	141.78384	3.02196	0.1797193	0.29559142	2.2319005	21	12 25.4	20.3
165156 2000 QJ_{50}	17.5	X	357.80411	152.11803	150.13047	3.64170	0.2477261	0.28052526	2.3111142	21	8 6.2	18.3
165157 2000 QO_{50}	16.9	X	357.74813	7.46758	344.53837	4.09658	0.1884748	0.28449703	2.2895540	21	10 28.6	18.7
165158 2000 QE_{51}	16.9	X	108.72194	282.87881	13.71732	1.85776	0.2347937	0.29451903	2.2373150	21	—	—
165159 2000 QP_{55}	17.3	X	330.40446	297.95053	33.37404	1.91836	0.2572762	0.27930763	2.3178261	21	7 3.6	18.8
165160 2000 QX_{62}	16.4	X	46.51577	209.46402	117.74605	8.20787	0.1582427	0.28814086	2.2702106	21	12 9.9	19.3
165161 2000 QP_{69}	16.4	X	308.48926	78.40289	331.03300	6.78016	0.0806819	0.28371280	2.2937712	21	10 13.5	18.7
165162 2000 QS_{69}	16.8	X	185.00456	148.05849	331.19869	6.16921	0.0442454	0.27691900	2.3311356	21	8 4.9	19.7
165163 2000 QP_{87}	17.2	X	39.73540	33.29697	291.23027	3.18620	0.1605507	0.28771151	2.2724686	21	11 26.1	19.8
165164 2000 QT_{88}	16.5	X	42.55627	86.12464	303.56499	5.33522	0.1538288	0.29422918	2.2387841	21	—	—
165165 2000 QS_{98}	17.0	X	355.30126	314.58768	51.54428	3.46587	0.1801825	0.28463659	2.2888056	21	11 15.7	18.7
165166 2000 QV_{102}	16.4	X	355.63187	273.63321	43.16529	6.59112	0.2275610	0.28006612	2.3136394	21	9 1.3	17.8
165167 2000 QY_{109}	16.6	X	286.08865	29.39749	48.00236	3.72243	0.1326256	0.28005114	2.3137219	21	10 13.7	18.7
165168 2000 QF_{110}	17.2	X	57.00152	153.62272	203.50614	1.97027	0.1979048	0.29296561	2.2452168	21	—	—
165169 2000 QN_{110}	17.8	X	7.09624	110.59146	200.85533	1.59634	0.2536753	0.28253013	2.3001679	21	9 23.7	18.9
165170 2000 QL_{113}	16.6	X	25.32221	87.63429	159.14300	7.89278	0.1801378	0.27744537	2.3281863	21	7 4.7	18.6
165171 2000 QD_{119}	16.4	X	127.27405	325.25809	320.50099	5.18762	0.1614153	0.29415185	2.2391765	21	—	—
165172 2000 QU_{124}	15.3	X	347.09842	152.42239	314.41172	21.99173	0.2251305	0.29822104	2.2187610	21	—	—
165173 2000 QJ_{140}	16.9	X	322.29712	155.67673	165.65814	5.75957	0.2452828	0.27628306	2.3347115	21	5 31.2	19.1
165174 2000 QF_{152}	16.7	X	2.66422	278.72250	109.95489	6.39388	0.1691135	0.28836735	2.2690218	21	—	—
165175 2000 QN_{153}	16.7	X	46.50386	156.90425	202.22417	4.30591	0.1668799	0.29269550	2.2465979	21	—	—
165176 2000 QU_{154}	16.6	X	50.53760	44.41136	251.31647	6.23337	0.1290700	0.28665612	2.2780429	21	10 25.6	19.3
165177 2000 QT_{159}	16.7	X	306.11311	148.49578	228.40457	4.47939	0.2070054	0.27987070	2.3147163	21	8 1.4	18.9
165178 2000 QO_{164}	16.9	X	132.68700	51.83437	243.53684	3.63811	0.1211849	0.29656749	2.2270007	21	—	—
165179 2000 QK_{166}	16.4	X	325.62419	97.66747	207.43950	6.59439	0.1363398	0.27552837	2.3389728	21	5 30.7	18.7
165180 2000 QB_{170}	16.5	X	171.69141	47.40730	212.43016	4.28357	0.1807081	0.29768445	2.2214265	21	—	—
165181 2000 QV_{170}	16.4	X	344.22456	188.48274	257.39658	4.09162	0.0946367	0.29331532	2.2434319	21	—	—
165182 2000 QV_{172}	16.6	X	151.58078	62.53110	221.75858	3.58186	0.1781142	0.29916308	2.2141008	21	—	—
165183 2000 QN_{186}	16.5	X	358.22899	0.54132	21.02338	6.41047	0.2399244	0.28744026	2.2738980	21	12 26.9	18.5
165184 2000 QH_{208}	16.3	X	76.09497	295.01889	8.04731	5.99917	0.1400179	0.28851684	2.2682379	21	12 8.2	19.5
165185 2000 QB_{210}	16.7	X	62.84592	101.73227	181.62631	4.28124	0.2378653	0.28723295	2.2749920	21	11 11.4	19.9
165186 2000 QQ_{215}	16.5	X	339.64295	10.58659	16.88534	8.99403	0.0888902	0.28529144	2.2853018	21	11 6.5	18.8
165187 2000 QY_{215}	16.6	X	340.43430	354.30160	46.48564	3.21418	0.2237226	0.28538419	2.2848066	21	12 14.8	18.0
165188 2000 QD_{218}	14.3	X	242.10420	8.43636	26.39829	7.84625	0.2913860	0.12456165	3.9708165	21	5 29.8	20.8
165189 2000 QG_{220}	16.5	X	18.60355	64.02661	320.61879	7.03980	0.0998974	0.29211142	2.2495916	21	—	—
165190 2000 QC_{221}	17.0	X	18.61131	333.68042	334.45700	9.59927	0.1992157	0.28419026	2.2912014	21	10 1.0	19.1
165191 2000 QX_{231}	16.8	X	329.45110	275.25313	136.10628	6.45341	0.1760369	0.28595678	2.2817555	21	12 2.7	18.5
165192 Neugent	16.5	X	348.12048	103.66499	349.97895	5.10735	0.0775125	0.29704922	2.2245923	21	—	—
165193 2000 QT_{243}	17.2	X	327.14513	40.50243	293.42955	2.21672	0.0828365	0.27961142	2.3161470	21	7 24.7	19.6
165194 2000 RD_{5}	16.9	X	350.28670	330.86792	25.87162	5.49545	0.2492169	0.28173607	2.3044878	21	10 27.6	18.0
165195 2000 RH_{16}	16.3	X	28.97094	115.51572	228.33376	5.02767	0.2478834	0.28758364	2.2731422	21	12 22.0	19.0
165196 2000 RD_{19}	16.2	X	86.85351	90.70896	237.63286	5.19726	0.1916133	0.29355773	2.2421967	21	—	—
165197 2000 RU_{21}	16.0	X	277.52012	123.39404	322.54258	7.11684	0.0993029	0.28343557	2.2952666	21	10 12.4	18.7
165198 2000 RK_{24}	17.0	X	32.51146	144.97010	234.89896	5.14817	0.1746168	0.29126147	2.2539660	21	—	—
165199 2000 RL_{41}	16.0	X	35.79939	55.00270	250.81588	7.64095	0.1534046	0.28309655	2.2970987	21	10 21.2	18.7
165200 2000 RK_{49}	16.8	X	13.71611	87.21605	197.61746	5.66260	0.2052792	0.28018778	2.3129696	21	8 13.9	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
165201 2000 RW_{57}	16.8	X	231.89494	166.45210	274.51113	2.38668	0.2346006	0.27371748	2.3492777	21	7 20.9	20.5
165202 2000 RV_{66}	16.2	X	314.57478	307.08804	113.06989	4.73694	0.1936869	0.28238651	2.3009477	21	11 10.1	17.8
165203 2000 RX_{72}	16.2	X	42.64538	0.27474	354.12754	6.57442	0.1435598	0.28932583	2.2640078	21	—	—
165204 2000 RO_{73}	16.4	X	288.90870	29.00021	33.28820	6.94774	0.2224847	0.28013598	2.3132547	21	9 12.4	18.7
165205 2000 RL_{76}	15.8	X	349.16532	111.12614	337.97473	7.13508	0.0969381	0.29405955	2.2396450	21	—	—
165206 2000 RU_{85}	17.0	X	357.44673	231.92180	170.38380	6.11988	0.1654852	0.28783149	2.2718370	21	—	—
165207 2000 RR_{95}	16.5	X	126.93976	214.18028	79.59225	3.71866	0.2152506	0.29460982	2.2368554	21	—	—
165208 2000 RB_{96}	16.6	X	358.53384	1.57243	355.76814	7.41082	0.1771848	0.28360469	2.2943541	21	11 4.7	18.6
165209 2000 RW_{100}	16.5	X	64.81774	117.83486	207.91499	22.40398	0.1987933	0.28946433	2.2632856	21	12 29.2	20.3
165210 2000 SB_{4}	16.2	X	312.47516	265.87019	126.00784	7.05524	0.1156492	0.28143642	2.3061232	21	9 27.5	18.4
165211 2000 SP_{7}	16.3	X	269.60070	116.02765	250.08506	5.23786	0.1443744	0.27219610	2.3580234	21	6 1.5	19.4
165212 2000 SX_{9}	16.4	X	36.38805	144.52717	202.03189	22.34488	0.1946365	0.28766043	2.2727376	21	12 24.8	19.8
165213 2000 SJ_{12}	16.6	X	115.45591	289.23508	30.07906	3.14379	0.2551099	0.29826440	2.2185460	21	—	—
165214 2000 SR_{29}	16.7	X	243.33182	78.51625	339.25114	4.63830	0.1360065	0.27561801	2.3384656	21	7 13.4	20.0
165215 2000 SX_{31}	16.3	X	127.74923	230.24798	354.11816	6.33399	0.0927781	0.28475697	2.2881604	21	10 17.6	19.5
165216 2000 SN_{33}	16.9	X	256.91836	184.22550	226.85488	2.62958	0.1614330	0.27669962	2.3323676	21	7 15.8	19.9
165217 2000 SB_{37}	16.6	X	310.21631	335.65819	64.58199	4.13056	0.1762631	0.28122402	2.3072843	21	9 28.5	18.4
165218 2000 SV_{37}	16.3	X	310.90893	24.93002	51.25200	6.81188	0.1425621	0.28543022	2.2845609	21	11 28.2	18.1
165219 2000 SQ_{39}	16.4	X	42.60232	228.02913	108.34544	4.98868	0.1794172	0.28727987	2.2747443	21	12 19.2	19.3
165220 2000 SZ_{40}	17.0	X	302.16097	49.35181	7.58140	3.22054	0.1606422	0.28234819	2.3011559	21	10 7.6	18.8
165221 2000 SP_{44}	15.7	X	29.88321	284.68202	7.59756	24.87945	0.2606936	0.27988410	2.3146424	21	10 8.5	18.0
165222 2000 SA_{45}	16.0	X	114.73371	1.12026	254.58701	11.64783	0.3125848	0.28842986	2.2686939	21	11 24.4	20.0
165223 2000 SP_{48}	16.6	X	10.99008	161.00751	232.11183	5.53503	0.1832537	0.28972248	2.2619409	21	—	—
165224 2000 SE_{50}	16.6	X	48.65044	52.68673	226.06293	4.61930	0.1596377	0.28279982	2.2987053	21	10 3.6	19.1
165225 2000 SL_{57}	16.6	X	69.94944	284.56099	347.34455	5.52445	0.1302525	0.28387508	2.2928969	21	10 17.7	19.6
165226 2000 SE_{59}	16.8	X	234.72395	230.45814	194.17144	5.25796	0.2214488	0.27353952	2.3502966	21	7 2.9	20.6
165227 2000 SP_{62}	16.8	X	297.06254	145.29472	210.14425	1.41289	0.2506441	0.27574963	2.3377214	21	6 6.6	19.3
165228 2000 SY_{69}	16.9	X	7.89233	200.21379	184.09065	4.60924	0.1858132	0.28713556	2.2755064	21	—	—
165229 2000 SM_{79}	16.7	X	50.88175	199.96096	96.19857	2.69712	0.2617430	0.28546301	2.2843860	21	11 17.4	19.7
165230 2000 SH_{89}	16.3	X	260.83743	51.18956	45.40165	7.63374	0.0683863	0.28158659	2.3053033	21	10 13.1	18.9
165231 2000 SW_{94}	16.8	X	350.39746	166.20301	233.86272	6.13074	0.2365548	0.28658489	2.2784204	21	—	—
165232 2000 SH_{102}	16.7	X	307.83660	131.87573	268.86973	0.97259	0.1000989	0.28131409	2.3067917	21	9 29.9	19.0
165233 2000 SP_{102}	14.4	X	89.58439	112.92383	200.53318	9.47028	0.0739150	0.14801845	3.5393660	21	12 6.2	19.7
165234 2000 SP_{108}	16.4	X	10.70220	213.71669	188.90427	6.74540	0.1604215	0.28905548	2.2654192	21	—	—
165235 2000 SC_{110}	16.8	X	354.74763	131.77380	226.74749	1.58413	0.1595036	0.28257284	2.2999361	21	10 30.0	18.7
165236 2000 SQ_{113}	16.2	X	29.15370	343.74477	27.56984	7.04318	0.1202399	0.28829340	2.2694097	21	—	—
165237 2000 SQ_{115}	16.5	X	310.79279	298.58611	25.99468	7.42517	0.1257573	0.27279695	2.3545597	21	6 3.2	19.2
165238 2000 SS_{116}	16.2	X	29.67680	296.60100	37.30858	7.29227	0.1446032	0.28437567	2.2902053	21	11 21.1	18.8
165239 2000 SA_{119}	16.9	X	266.20486	198.69144	168.70061	2.39588	0.2016678	0.27156155	2.3616953	21	5 23.2	20.3
165240 2000 SB_{120}	16.2	X	341.35122	349.73028	31.97781	8.51717	0.0737378	0.28236758	2.3010506	21	11 1.2	18.6
165241 2000 SO_{133}	15.7	X	64.57393	66.59847	245.65399	7.27646	0.1849911	0.28856306	2.2679957	21	12 13.5	18.7
165242 2000 SS_{140}	16.1	X	51.54230	67.54165	219.05152	5.29870	0.1645314	0.28250102	2.3003259	21	10 20.5	18.9
165243 2000 ST_{147}	16.7	X	344.27325	327.59327	10.32420	2.96133	0.1758687	0.27886595	2.3202728	21	9 2.3	18.3
165244 2000 SG_{148}	16.6	X	313.96956	98.23982	274.52438	1.57846	0.2176431	0.27830987	2.3233625	21	8 11.2	18.4
165245 2000 SN_{148}	17.0	X	324.79897	122.20561	213.73592	4.86935	0.1910590	0.27624219	2.3349417	21	7 8.0	18.9
165246 2000 SW_{148}	16.2	X	5.17287	358.84593	10.81079	7.01782	0.1251821	0.28449126	2.2895850	21	11 29.6	18.6
165247 2000 SC_{151}	16.5	X	311.35464	6.11605	20.99097	7.00860	0.1228149	0.27882404	2.3205053	21	9 15.6	18.6
165248 2000 SD_{152}	16.9	X	297.10012	194.62647	171.78556	2.41325	0.2234146	0.27543174	2.3395198	21	6 27.8	19.3
165249 2000 SD_{154}	16.6	X	305.97808	181.35797	195.99096	6.34595	0.1153198	0.27684262	2.3315644	21	8 16.7	19.0
165250 2000 SD_{158}	16.6	X	260.56499	352.81535	50.44554	5.63305	0.1317039	0.27413795	2.3468749	21	7 15.4	19.6
165251 2000 SA_{176}	16.3	X	334.60509	19.97558	332.66306	6.59975	0.1538735	0.27838603	2.3229387	21	9 2.7	18.2
165252 2000 ST_{182}	16.8	X	332.83120	257.42983	176.42310	2.06853	0.1406503	0.28791023	2.2714228	21	—	—
165253 2000 ST_{193}	17.6	X	51.93876	125.20494	175.09712	3.31920	0.2324733	0.28680541	2.2772523	21	11 20.6	20.6
165254 2000 SC_{205}	17.2	X	352.38716	218.63165	187.60206	4.94917	0.1095281	0.28714577	2.2754524	21	12 31.1	19.6
165255 2000 SN_{206}	17.2	X	6.68869	199.55873	179.19022	3.13143	0.2274341	0.28564710	2.2834044	21	—	—
165256 2000 SQ_{206}	16.1	X	208.58547	297.33708	204.16647	4.73318	0.0576825	0.27940787	2.3172717	21	10 2.9	19.2
165257 2000 SY_{206}	16.1	X	314.46452	279.29283	28.83550	7.03169	0.1168541	0.27044961	2.3681642	21	5 17.0	18.6
165258 2000 SO_{208}	16.7	X	349.25811	270.92523	18.22045	2.74967	0.1321018	0.27584988	2.3371550	21	6 21.7	18.7
165259 2000 SM_{218}	16.3	X	353.88627	192.86938	135.31996	8.45048	0.1440602	0.27842940	2.3226975	21	9 8.9	18.2
165260 2000 SH_{220}	16.4	X	319.19417	259.09756	107.17774	7.54091	0.1480724	0.27744591	2.3281833	21	8 25.9	18.4
165261 2000 SA_{226}	16.4	X	202.35831	321.71063	145.21581	8.05783	0.2295194	0.27026994	2.3692136	21	7 28.2	20.3
165262 2000 SD_{228}	17.3	X	26.61979	176.97095	204.60023	3.92352	0.1582182	0.28888984	2.2662851	21	—	—
165263 2000 SN_{228}	16.9	X	268.12430	184.44972	206.09741	1.86754	0.1538775	0.27387399	2.3483826	21	7 2.6	20.0
165264 2000 SH_{236}	16.9	X	175.60378	256.24986	180.55047	2.71979	0.1722636	0.26685884	2.3893604	21	5 28.2	20.6
165265 2000 SW_{236}	16.1	X	224.09931	101.20892	27.87411	7.77526	0.1420624	0.27895334	2.3197882	21	9 27.6	19.2
165266 2000 SY_{240}	15.3	X	64.98755	43.54021	226.29452	22.92727	0.1791128	0.28329098	2.2960476	21	10 15.0	18.5
165267 2000 SO_{243}	16.2	X	327.60550	50.66741	41.93602	5.39520	0.0975303	0.29176756	2.2513588	21	—	—
165268 2000 ST_{250}	16.7	X	277.12035	323.84983	99.70094	3.77345	0.1166640	0.27956010	2.3164304	21	9 11.3	19.3
165269 2000 SE_{251}	17.1	X	348.79782	213.43316	95.83683	4.46091	0.2611886	0.27863950	2.3215298	21	7 19.8	17.9
165270 2000 SJ_{255}	16.4	X	344.26288	197.89964	158.54422	5.08393	0.0662703	0.28074354	2.3099161	21	9 30.8	18.8
165271 2000 SQ_{259}	15.9	X	35.89701	68.69755	230.29247	3.92972	0.2055188	0.28139697	2.3063388	21	10 21.9	18.5
165272 2000 SP_{264}	16.9	X	344.49361	219.09433	80.49520	3.18950	0.2276491	0.27664487	2.3326754	21	6 18.9	18.2
165273 2000 SM_{269}	16.3	X	358.59323	254.97947	91.89864	5.21443	0.1538584	0.28070934	2.3101037	21	10 21.6	18.3
165274 2000 SH_{271}	16.2	X	40.49534	275.84676	66.54268	7.40039	0.1434105	0.28603826	2.2813222	21	12 18.6	19.0
165275 2000 SP_{272}	16.5	X	359.19915	285.17963	354.94867	4.59914	0.2203842	0.27530120	2.3402593	21	6 27.5	17.8
165276 2000 SJ_{280}	16.1	X	312.46140	132.15144	234.23769	5.01103	0.1751894	0.27723281	2.3293762	21	8 2.5	18.4
165277 2000 ST_{298}	16.3	X	310.88568	150.42486	252.84125	5.65477	0.0826655	0.28188818	2.3036587	21	10 8.7	18.7
165278 2000 SG_{302}	16.5	X	32.73572	141.31231	217.60223	6.23272	0.1117882	0.28710007	2.2756939	21	12 25.9	19.2
165279 2000 SK_{304}	16.1	X	249.94109	130.85779	306.29154	6.96995	0.0669038	0.27718676	2.3296341	21	8 25.8	18.9
165280 2000 SO_{305}	16.3	X	308.50442	117.34817	226.19760	5.65311	0.1507368	0.27458033	2.3443535	21	6 25.2	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
165281 2000 SS_{326}	16.7	X	307.64704	103.92005	18.95357	4.36839	0.1728496	0.28948479	2.2631789	21	—	—
165282 2000 SW_{326}	17.0	X	321.71502	257.23575	32.00826	2.76454	0.2075810	0.27144035	2.3623982	21	4 16.6	19.2
165283 2000 ST_{327}	16.1	X	242.74512	93.70428	252.28980	6.29631	0.1200557	0.26555420	2.3971797	21	4 4.7	19.8
165284 2000 ST_{341}	16.1	X	10.99294	73.23692	151.82212	6.56073	0.0515619	0.26976086	2.3721934	21	4 29.7	18.8
165285 2000 SX_{341}	17.4	X	313.54607	97.34383	191.16038	0.87774	0.1824751	0.27124882	2.3635102	21	4 6.9	19.9
165286 2000 SS_{343}	16.3	X	43.63737	298.71710	268.48714	3.62253	0.1589247	0.27243902	2.3566216	21	6 6.3	18.2
165287 2000 SK_{353}	16.6	X	266.26289	310.26245	62.46570	6.62964	0.0900265	0.27090883	2.3654872	21	6 14.3	19.7
165288 2000 SN_{355}	16.5	X	302.15321	302.85942	80.91214	7.77715	0.1339320	0.27852076	2.3221896	21	8 23.3	18.9
165289 2000 SA_{356}	16.3	X	258.23782	273.14064	141.06788	10.91314	0.1752482	0.27541963	2.3395884	21	7 19.8	19.5
165290 2000 SV_{361}	16.8	X	299.24973	336.82296	84.27489	3.63405	0.2297217	0.28165448	2.3049328	21	9 29.8	18.5
165291 2000 SB_{365}	17.3	X	14.55594	313.58356	20.18498	5.97663	0.1756628	0.28432492	2.2904779	21	11 1.4	19.5
165292 2000 SZ_{367}	17.1	X	348.55442	204.26905	165.67428	5.70962	0.1831065	0.28447168	2.2896900	21	11 9.7	18.8
165293 2000 TU_{8}	16.5	X	207.95837	120.66030	2.53462	2.81440	0.1780980	0.27633078	2.3344426	21	8 28.2	20.0
165294 2000 TG_{15}	17.2	X	284.53058	248.57339	180.17552	3.46204	0.1568304	0.27949500	2.3167901	21	9 22.5	19.6
165295 2000 TR_{15}	16.7	X	212.98921	261.00573	217.18369	1.30837	0.1486911	0.27532513	2.3401237	21	8 27.8	20.0
165296 2000 TC_{23}	16.6	X	222.23305	287.44000	196.42574	4.48620	0.1063293	0.27973602	2.3154592	21	9 19.8	19.7
165297 2000 TA_{36}	16.4	X	249.08688	253.12167	222.44855	5.48861	0.1039303	0.28127245	2.3070194	21	10 13.8	19.0
165298 2000 TA_{40}	16.4	X	17.50999	220.50284	103.11636	6.23038	0.1426595	0.28370515	2.2938124	21	10 21.5	18.7
165299 2000 TF_{47}	16.6	X	320.62738	265.11973	142.75005	6.19981	0.0893178	0.28394729	2.2925082	21	11 7.8	18.9
165300 2000 TY_{66}	16.8	X	39.11262	134.38322	155.61928	6.22760	0.1872441	0.28231281	2.3013482	21	10 13.8	19.3
165301 2000 US_{3}	16.5	X	281.50285	353.72248	47.31431	4.68752	0.0374919	0.27613354	2.3355542	21	8 29.1	19.2
165302 2000 UK_{10}	15.8	X	56.37517	346.99775	52.25109	6.19230	0.2546778	0.29238621	2.2481819	21	—	—
165303 2000 UO_{20}	16.7	X	306.68620	267.73706	67.75611	3.51845	0.1873773	0.27324038	2.3520116	21	6 3.3	19.3
165304 2000 UV_{20}	17.0	X	281.08008	155.00664	182.08938	2.35298	0.1967726	0.27012589	2.3700558	21	4 29.9	20.1
165305 2000 UO_{22}	16.8	X	308.20893	260.10558	99.17311	3.32457	0.2371819	0.27584018	2.3372098	21	7 3.9	19.1
165306 2000 US_{23}	14.5	X	209.75893	234.76223	189.15972	9.19881	0.2687260	0.12442905	3.9736370	21	6 11.5	21.3
165307 2000 UC_{25}	16.8	X	276.20824	268.71392	132.44774	3.47289	0.1707240	0.27482940	2.3429369	21	7 26.7	19.4
165308 2000 UY_{26}	16.4	X	301.31662	344.54499	101.27502	6.67653	0.1268787	0.28198346	2.3031398	21	11 25.7	18.4
165309 2000 UU_{28}	16.7	X	287.62791	207.33701	127.13201	5.28924	0.2348003	0.27153477	2.3618506	21	4 30.5	19.9
165310 2000 UP_{36}	16.9	X	216.37858	356.63784	93.75840	1.74230	0.1585734	0.27174341	2.3606415	21	7 24.9	20.5
165311 2000 UE_{46}	16.8	X	287.52626	321.44491	19.60239	3.26776	0.2228785	0.27063543	2.3670800	21	5 8.1	19.8
165312 2000 UH_{51}	17.0	X	277.85782	287.04552	67.20430	4.02779	0.2683702	0.27131587	2.3631208	21	5 9.9	20.3
165313 2000 US_{54}	16.2	X	285.12742	260.64461	83.65570	6.03864	0.1818369	0.26982383	2.3718243	21	5 17.6	19.1
165314 2000 UC_{57}	16.8	X	271.51189	65.19583	358.39663	2.69146	0.1457360	0.27677271	2.3319570	21	8 26.9	19.3
165315 2000 UT_{57}	16.3	X	277.98952	211.99401	271.17865	4.91766	0.1715029	0.28490230	2.2873823	21	11 30.8	18.4
165316 2000 UU_{65}	16.2	X	143.31572	340.69038	255.02309	4.25931	0.0757933	0.28473615	2.2882720	21	11 20.2	19.4
165317 2000 UT_{71}	16.6	X	243.04279	107.93960	337.52489	2.37729	0.1498910	0.27429428	2.3459831	21	8 18.2	19.7
165318 2000 UH_{72}	16.4	X	140.16618	130.31667	320.18355	1.76438	0.1812043	0.26125742	2.4233917	21	5 11.4	20.0
165319 2000 UJ_{72}	16.0	X	55.43958	85.58879	249.73553	3.92761	0.2324862	0.28725005	2.2749017	21	—	—
165320 2000 UX_{72}	16.3	X	258.10862	54.75145	27.12559	7.47216	0.1318526	0.27620647	2.3351430	21	9 7.9	19.2
165321 2000 UC_{74}	17.0	X	279.42331	232.95767	230.56606	1.95731	0.1758277	0.28190536	2.3035651	21	11 2.3	18.8
165322 2000 UN_{77}	16.8	X	291.39947	269.16829	88.04663	3.41119	0.2114993	0.27308258	2.3529176	21	6 7.7	19.5
165323 2000 UD_{78}	15.9	X	138.21839	263.90998	237.34509	9.55271	0.1889314	0.26577468	2.3958538	21	7 14.3	19.9
165324 2000 UK_{80}	16.6	X	204.61444	222.40096	236.14768	5.53517	0.0976029	0.27102532	2.3648093	21	7 25.3	20.0
165325 2000 UU_{87}	16.7	X	263.65049	15.56428	68.05179	2.89429	0.1920959	0.27724199	2.3293247	21	9 6.7	19.4
165326 2000 UB_{91}	16.6	X	263.90518	317.77833	68.17853	7.48209	0.1399730	0.27278942	2.3546030	21	6 22.7	19.8
165327 2000 UQ_{91}	17.1	X	347.66558	2.30421	350.57228	2.94584	0.1565546	0.28015371	2.3131571	21	10 3.8	18.7
165328 2000 UY_{92}	16.1	X	35.94072	24.70879	259.70529	5.48660	0.1741587	0.27877555	2.3207744	21	9 21.9	18.7
165329 2000 UV_{96}	16.6	X	238.27947	42.72888	8.32434	5.04158	0.1298680	0.27068027	2.3668187	21	6 28.2	19.9
165330 2000 UM_{105}	16.2	X	24.07528	216.01590	104.67928	7.19523	0.1519862	0.28178781	2.3042057	21	10 29.8	18.7
165331 2000 UX_{106}	16.7	X	302.82036	280.87984	107.49024	6.74130	0.1046224	0.27711521	2.3300352	21	9 4.2	19.1
165332 2000 VS	16.8	X	163.62024	343.74521	200.81349	2.00552	0.1081030	0.27715052	2.3298373	21	10 5.2	20.0
165333 2000 VT_{5}	16.8	X	251.82921	199.04237	237.04754	3.06329	0.1522258	0.27512207	2.3412750	21	8 14.1	19.8
165334 2000 VX_{6}	16.6	X	235.02852	297.17278	188.49967	3.07038	0.1256563	0.27889360	2.3201195	21	10 6.4	19.5
165335 2000 VZ_{11}	16.1	X	18.73033	214.42709	103.91329	1.96190	0.2365426	0.28067453	2.3102947	21	10 28.8	18.1
165336 2000 VS_{15}	16.3	X	41.39663	248.40756	83.90198	4.18769	0.1818290	0.28405717	2.2919170	21	12 11.9	19.2
165337 2000 VX_{16}	16.5	X	331.69226	174.05056	192.78101	6.25026	0.1506341	0.27792112	2.3255286	21	9 19.6	18.4
165338 2000 VC_{17}	16.6	X	339.72064	211.20421	136.95747	3.75705	0.1838479	0.27724118	2.3293293	21	9 8.4	18.1
165339 2000 VA_{18}	16.3	X	150.55694	43.11465	74.73013	7.27129	0.0716066	0.26584563	2.3954275	21	6 19.8	19.5
165340 2000 VC_{24}	16.5	X	208.46032	233.12176	210.77939	0.38479	0.1600695	0.26941206	2.3742404	21	7 7.7	20.0
165341 2000 VN_{30}	15.8	X	308.32917	314.77126	76.48470	11.09350	0.0395335	0.27579504	2.3374648	21	9 29.4	18.7
165342 2000 VA_{31}	16.6	X	231.69896	79.22502	339.97328	0.87231	0.1728101	0.26978470	2.3720537	21	6 27.5	20.0
165343 2000 VJ_{37}	15.5	X	189.25638	25.63269	76.90978	11.72508	0.1913687	0.26569095	2.3963571	21	7 13.4	19.5
165344 2000 VB_{47}	16.9	X	307.63801	37.98711	330.01772	4.51528	0.2519217	0.27536196	2.3399150	21	7 14.9	19.2
165345 2000 VF_{52}	16.1	X	311.90490	63.88729	280.72363	5.64179	0.1286574	0.27324138	2.3520059	21	7 7.1	18.3
165346 2000 VH_{53}	16.7	X	193.84120	157.64006	285.51819	4.91325	0.0894995	0.26795817	2.3828208	21	6 23.9	20.2
165347 Philplait	16.7	X	140.02335	96.31295	58.41824	3.06399	0.1370714	0.26812138	2.3818537	21	8 3.0	20.3
165348 2000 WO_{14}	17.0	X	268.20182	28.72367	16.73009	2.39082	0.1805186	0.27282215	2.3544147	21	7 20.9	20.0
165349 2000 WL_{16}	16.8	X	175.51913	87.23756	42.05226	3.47884	0.2066863	0.26793469	2.3829600	21	8 5.5	20.7
165350 2000 WW_{16}	16.9	X	234.80549	18.59386	41.88749	1.97642	0.1711481	0.26979680	2.3719827	21	7 2.8	20.5
165351 2000 WY_{21}	15.8	X	350.22769	295.37209	82.29931	10.26035	0.2457060	0.28289867	2.2981698	21	12 3.7	17.2
165352 2000 WQ_{26}	17.3	X	195.01756	173.45497	290.84401	1.23337	0.1777311	0.26833108	2.3806126	21	7 20.8	21.1
165353 2000 WR_{48}	15.5	X	207.51919	171.60722	252.15977	7.47084	0.2008571	0.26417569	2.4055118	21	6 8.7	19.3
165354 2000 WU_{48}	15.9	X	310.50573	174.91416	247.39852	7.23091	0.2260401	0.27755995	2.3275455	21	10 25.1	17.4
165355 2000 WC_{58}	15.8	X	303.35251	291.47994	79.51147	7.40847	0.2566926	0.27452789	2.3446521	21	7 9.9	18.1
165356 2000 WE_{69}	16.2	X	1.75199	19.59124	333.83535	7.40246	0.1439670	0.28148896	2.3058363	21	10 30.0	18.5
165357 2000 WJ_{74}	17.0	X	181.18356	153.67948	306.13349	4.45759	0.1841768	0.26707649	2.3880621	21	7 2.3	20.9
165358 2000 WV_{74}	16.8	X	293.63301	43.96080	20.21516	3.89128	0.1087044	0.27870240	2.3211805	21	10 9.4	19.1
165359 2000 WS_{75}	16.8	X	275.96371	59.67936	333.32131	3.61420	0.1797413	0.27336293	2.3513086	21	7 13.6	19.8
165360 2000 WA_{77}	16.2	X	358.73916	317.07532	29.89574	6.20828	0.1205163	0.27875655	2.3208799	21	10 15.4	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
165361 2000 WZ_{87}	15.2	X	153.12094	160.47814	307.93960	8.01319	0.1833423	0.26026104	2.4295729	21	6 17.5	19.1
165362 2000 WY_{90}	16.6	X	264.67132	59.76160	44.33991	3.35706	0.2072429	0.27718927	2.3296201	21	10 4.5	19.1
165363 2000 WH_{91}	16.3	X	328.94448	299.53097	67.16504	7.30729	0.1118666	0.27606884	2.3359191	21	9 20.9	18.6
165364 2000 WM_{96}	16.8	X	239.73635	44.78024	71.75185	1.55845	0.1557186	0.27483039	2.3429313	21	9 25.8	19.7
165365 2000 WA_{102}	16.2	X	7.30058	198.39274	155.34090	8.91668	0.2532754	0.28269374	2.2992803	21	12 4.6	18.5
165366 2000 WF_{104}	16.7	X	191.71157	265.56329	191.14426	4.14173	0.1930236	0.26729014	2.3867893	21	7 6.9	20.6
165367 2000 WY_{104}	16.7	X	191.41577	220.00996	44.88366	6.12197	0.0331274	0.29634247	2.2281279	21	—	—
165368 2000 WH_{105}	17.3	X	152.40180	256.92223	178.47082	1.25513	0.1671531	0.25830983	2.4417925	21	5 3.9	21.1
165369 2000 WJ_{106}	15.6	X	270.52544	44.91737	71.85309	24.46245	0.2123995	0.28214243	2.3022745	21	11 9.2	18.3
165370 2000 WW_{110}	16.2	X	96.28257	173.83359	327.02947	3.99696	0.1549521	0.25939563	2.4349737	21	5 24.6	19.4
165371 2000 WZ_{110}	16.4	X	192.37000	131.58559	303.68704	5.30234	0.1080970	0.26550871	2.3974535	21	6 10.9	20.0
165372 2000 WT_{111}	16.4	X	198.67136	131.23197	303.39551	5.32503	0.1529322	0.26615331	2.3935810	21	6 15.9	20.0
165373 2000 WV_{111}	16.1	X	307.38336	2.49768	43.07867	8.65405	0.1547977	0.27759780	2.3273339	21	10 4.2	18.1
165374 2000 WB_{114}	16.5	X	134.70384	126.87695	1.43931	2.39827	0.1339937	0.26292005	2.4131644	21	6 21.2	20.0
165375 2000 WL_{119}	16.8	X	238.16407	111.83085	276.05937	6.12680	0.1818552	0.26653148	2.3913164	21	5 21.9	20.5
165376 2000 WD_{120}	16.9	X	278.52598	103.64956	323.33502	2.15335	0.1830920	0.27518223	2.3409338	21	9 4.1	19.2
165377 2000 WR_{136}	16.4	X	313.67150	71.97080	258.09948	5.50238	0.1311429	0.27128939	2.3632745	21	6 17.2	18.7
165378 2000 WN_{139}	16.6	X	186.46012	29.60719	107.77016	3.20690	0.1327010	0.27182025	2.3601966	21	8 28.0	20.0
165379 2000 WA_{144}	16.2	X	164.57616	26.24915	99.17061	4.73893	0.1194463	0.26696509	2.3887263	21	7 19.1	19.7
165380 2000 WF_{146}	15.7	X	322.77628	244.46651	95.41203	24.30060	0.2395509	0.27549846	2.3391421	21	7 1.9	17.5
165381 2000 WD_{156}	16.4	X	325.94912	5.01994	23.25224	7.59072	0.1071403	0.27829230	2.3234603	21	10 14.7	18.3
165382 2000 WN_{156}	16.6	X	328.18699	83.37152	294.33348	6.11852	0.1280716	0.27806124	2.3247473	21	9 27.4	18.8
165383 2000 WA_{173}	15.5	X	84.75956	261.70780	99.05537	22.52261	0.2652789	0.28943501	2.2634384	21	—	—
165384 2000 WU_{175}	17.3	X	176.80923	197.29248	237.50897	0.66566	0.1520273	0.26338763	2.4103076	21	5 25.8	21.1
165385 2000 WY_{176}	16.4	X	229.87164	352.18263	106.38710	3.97241	0.0566090	0.27389326	2.3482725	21	9 2.9	19.5
165386 2000 WC_{178}	16.4	X	9.36995	10.90177	79.73201	6.78970	0.1410635	0.28909034	2.2652371	21	—	—
165387 2000 WF_{187}	16.2	X	216.03973	341.44811	107.73569	5.86918	0.1065670	0.27119998	2.3637939	21	7 27.3	19.4
165388 2000 WV_{187}	16.6	X	330.45620	71.36694	297.89381	6.22830	0.1203312	0.27921596	2.3183334	21	9 19.2	18.8
165389 2000 WC_{188}	16.6	X	325.33812	124.68577	268.39239	6.69134	0.1111185	0.28089909	2.3090632	21	10 17.8	18.9
165390 2000 XK_{2}	16.2	X	221.90306	116.31365	248.85492	5.15615	0.1220841	0.26114545	2.4240844	21	4 8.7	19.8
165391 2000 XB_{4}	16.2	X	284.48595	100.52855	289.01667	11.25591	0.0984521	0.27338630	2.3511746	21	8 1.5	19.0
165392 2000 XT_{5}	16.2	X	279.83221	109.55641	292.21949	8.73253	0.1783362	0.27394119	2.3479986	21	7 30.6	18.9
165393 2000 XY_{11}	16.1	X	282.81711	7.30034	22.01668	7.61889	0.1758134	0.27284666	2.3542737	21	7 20.6	19.0
165394 2000 XC_{15}	15.1	X	238.58593	97.52376	68.65296	22.19906	0.2959533	0.27648802	2.3335575	21	11 14.2	18.4
165395 2000 XN_{16}	16.2	X	148.02010	114.76128	342.36021	6.91132	0.0937321	0.26264208	2.4148668	21	5 19.1	19.7
165396 2000 XX_{16}	15.7	X	123.73554	61.01380	336.21879	5.39416	0.1254107	0.25171853	2.4842345	21	2 7.7	18.8
165397 2000 XN_{18}	16.8	X	300.49850	90.19478	15.04705	8.40204	0.2615169	0.28228751	2.3014856	21	12 10.9	18.2
165398 2000 XE_{23}	16.5	X	320.13128	54.56469	336.33440	6.11832	0.1488020	0.27758470	2.3274072	21	10 1.9	18.6
165399 2000 XK_{28}	16.5	X	193.64136	332.94118	57.03904	14.60198	0.2412385	0.26054237	2.4278237	21	4 19.9	20.8
165400 2000 XK_{32}	16.4	X	233.92153	48.39600	1.36337	6.04735	0.0993563	0.26651574	2.3914106	21	6 24.4	19.9
165401 2000 XA_{33}	16.4	X	274.53450	71.60917	15.17855	5.46758	0.1982163	0.27552895	2.3389695	21	9 25.7	18.7
165402 2000 XX_{34}	16.1	X	184.81629	77.31351	23.60706	11.14554	0.2381959	0.26401501	2.4064876	21	7 7.8	20.4
165403 2000 XM_{43}	15.9	X	190.52906	332.40932	24.73680	16.33783	0.0484158	0.25427297	2.4675687	21	3 5.4	19.5
165404 2000 XU_{44}	14.9	X	153.28235	175.82445	308.81914	24.63835	0.2324361	0.26433602	2.4045390	21	7 14.6	19.1
165405 2000 XB_{48}	16.5	X	272.85060	56.24233	344.27572	6.69628	0.1160449	0.27338148	2.3512022	21	8 1.0	19.4
165406 2000 XT_{53}	17.1	X	209.00866	251.00143	196.09818	0.78026	0.1492443	0.26808853	2.3820483	21	7 12.9	20.8
165407 2000 YA_{10}	15.8	X	116.01287	184.22267	336.23606	4.73051	0.1456024	0.26176608	2.4202513	21	7 15.9	19.2
165408 2000 YV_{10}	16.4	X	238.28477	95.77515	323.34924	3.99666	0.1782495	0.26826648	2.3809948	21	7 4.2	20.0
165409 2000 YP_{15}	16.7	X	306.09933	271.81569	63.12288	3.20617	0.2249235	0.27041692	2.3683550	21	5 25.9	19.5
165410 2000 YN_{19}	16.6	X	294.65174	72.99300	316.65669	2.10754	0.1760424	0.27383748	2.3485913	21	8 7.3	18.9
165411 2000 YJ_{22}	16.3	X	277.86645	42.59227	269.59699	4.63775	0.1413816	0.25759721	2.4462938	21	3 29.2	19.7
165412 2000 YK_{24}	16.2	X	123.64112	76.31193	106.23879	3.49121	0.1320086	0.26483078	2.4015432	21	8 22.2	19.7
165413 2000 YD_{30}	15.7	X	123.84883	53.35035	71.21367	7.42758	0.0961414	0.25745700	2.4471819	21	5 30.3	18.9
165414 2000 YW_{30}	16.1	X	319.75865	182.15721	315.28691	11.44091	0.1219721	0.23661044	2.5888891	21	—	—
165415 2000 YK_{35}	16.3	X	325.06891	279.50426	137.27350	1.56698	0.2372013	0.28053274	2.3110731	21	11 30.6	17.5
165416 2000 YF_{36}	16.4	X	100.87033	353.96744	142.15610	2.55524	0.1303147	0.25750984	2.4468471	21	5 22.2	19.5
165417 2000 YK_{36}	16.9	X	167.94783	265.21412	187.27298	1.30852	0.1783470	0.26208296	2.4183001	21	6 10.4	20.7
165418 2000 YH_{51}	15.8	X	179.14593	133.82734	284.27291	6.33976	0.1477319	0.25902263	2.4373108	21	5 4.5	19.7
165419 2000 YY_{52}	15.7	X	197.94953	124.78448	282.75667	4.15076	0.1045284	0.26022709	2.4297842	21	5 10.2	19.3
165420 2000 YH_{53}	15.5	X	280.35687	97.38413	100.01549	11.42261	0.1415403	0.23930356	2.5694289	21	—	—
165421 2000 YL_{53}	15.7	X	163.12746	177.22014	291.75765	10.26893	0.1071442	0.26220416	2.4175548	21	6 25.1	19.2
165422 2000 YQ_{53}	16.1	X	257.07990	111.05622	291.43235	3.81115	0.1552787	0.26790804	2.3831180	21	7 5.5	19.1
165423 2000 YB_{54}	16.4	X	143.40947	345.59056	98.14704	2.64628	0.1411186	0.25706637	2.4496603	21	5 3.9	20.0
165424 2000 YF_{59}	16.5	X	218.62245	88.93905	321.90591	1.75701	0.1813031	0.26432182	2.4046250	21	6 2.7	20.4
165425 2000 YK_{60}	15.7	X	163.11387	175.79843	282.63892	5.74347	0.0981275	0.26073155	2.4266491	21	6 9.9	19.2
165426 2000 YO_{60}	16.3	X	178.78386	177.74182	281.79038	1.27817	0.1405971	0.26301984	2.4125540	21	6 29.3	19.9
165427 2000 YF_{62}	15.9	X	161.07696	359.70233	129.30746	7.20404	0.0637272	0.26344777	2.4099408	21	7 17.7	19.1
165428 2000 YR_{62}	16.0	X	280.43755	107.91759	293.54685	1.27208	0.2053449	0.27078591	2.3662030	21	7 27.4	18.6
165429 2000 YW_{66}	17.0	X	238.17693	312.12717	54.99772	2.47147	0.1913733	0.26348672	2.4097032	21	4 25.6	20.9
165430 2000 YV_{69}	16.5	X	242.66476	12.31751	98.86076	4.13535	0.1795353	0.27494439	2.3422836	21	9 20.2	19.7
165431 2000 YQ_{71}	16.2	X	237.06021	154.73239	273.68012	4.87778	0.1571626	0.27022382	2.3694832	21	7 16.8	19.5
165432 2000 YA_{72}	16.7	X	199.12158	350.60131	88.73268	3.87329	0.2152204	0.26641820	2.3919942	21	6 20.9	20.7
165433 2000 YD_{72}	15.7	X	267.39296	264.03034	84.13140	7.28265	0.2390117	0.26702068	2.3883948	21	4 27.1	19.3
165434 2000 YC_{75}	16.2	X	292.86083	286.79797	91.62425	10.26893	0.1963053	0.27273734	2.3549028	21	7 14.6	18.9
165435 2000 YO_{77}	16.7	X	230.96564	100.68991	336.52556	0.86394	0.1577566	0.26965487	2.3728149	21	7 22.6	20.2
165436 2000 YD_{79}	16.5	X	238.90023	317.76203	136.18098	0.98237	0.1885554	0.27193716	2.3595201	21	8 19.7	19.8
165437 2000 YM_{86}	16.5	X	255.32816	222.90013	197.96046	2.14138	0.2396245	0.27116404	2.3640028	21	7 17.1	19.8
165438 2000 YG_{87}	16.5	X	193.70008	327.82283	129.10188	1.84389	0.1495086	0.26624349	2.3930405	21	7 10.6	20.2
165439 2000 YK_{87}	15.9	X	27.07341	337.22326	113.55170	1.10045	0.1221169	0.24357888	2.5392744	21	—	—
165440 2000 YD_{92}	16.7	X	297.58069	17.25546	29.43130	2.66603	0.2125429	0.27446497	2.3450104	21	9 3.4	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
165441 2000 YY_{95}	16.2	X	309.51538	125.44039	258.11095	3.92020	0.2109152	0.27452949	2.3446429	21	8 18.5	18.2
165442 2000 YA_{99}	17.0	X	119.98880	242.29589	217.82274	0.53523	0.1464084	0.25506683	2.4624461	21	4 28.9	20.2
165443 2000 YA_{102}	16.3	X	208.41924	278.94365	155.84667	7.74110	0.2481398	0.26538264	2.3982128	21	6 22.1	20.5
165444 2000 YK_{104}	15.3	X	353.55252	58.73589	75.58767	4.35934	0.2097131	0.23875761	2.5733443	21	—	—
165445 2000 YM_{106}	16.0	X	163.92854	196.26151	287.10915	5.16639	0.1327537	0.26579696	2.3957199	21	7 15.6	19.4
165446 2000 YG_{108}	16.6	X	237.20890	94.44943	344.72671	2.21541	0.1573735	0.26947342	2.3738800	21	8 1.7	20.0
165447 2000 YV_{108}	16.8	X	227.84219	345.98782	57.42727	3.09584	0.2100393	0.26535135	2.3984013	21	5 31.0	20.6
165448 2000 YN_{111}	15.8	X	53.38240	99.66822	68.78530	3.39590	0.1073344	0.25395973	2.4695973	21	4 21.8	18.4
165449 2000 YR_{111}	16.4	X	116.41160	84.14409	16.21749	2.15170	0.1133495	0.25497034	2.4630673	21	4 19.9	19.6
165450 2000 YB_{114}	17.1	X	164.56911	125.97038	339.64923	2.13547	0.1418655	0.26255856	2.4153789	21	6 23.0	20.8
165451 2000 YN_{115}	15.1	X	331.21578	152.97043	39.24242	2.43458	0.0992649	0.24459688	2.5322240	21	1 9.8	18.2
165452 2000 YA_{116}	16.3	X	162.06536	342.34079	103.17420	9.95412	0.2118331	0.25911116	2.4367556	21	5 30.0	20.3
165453 2000 YC_{118}	15.8	X	307.70042	206.35153	327.16985	8.39502	0.0994301	0.23886679	2.5725601	21	—	—
165454 2000 YT_{119}	16.1	X	115.44151	193.82956	288.52310	6.32755	0.0960013	0.25880994	2.4386459	21	5 14.7	19.5
165455 2000 YU_{119}	16.6	X	261.28450	77.47134	350.66191	1.93690	0.1830423	0.27227314	2.3575786	21	8 12.3	19.7
165456 2000 YL_{125}	14.8	X	126.51963	223.36486	354.29086	12.74770	0.1263189	0.22095115	2.7098081	21	10 2.3	19.1
165457 2000 YE_{127}	17.0	X	289.09133	87.67151	294.28381	1.32684	0.2140722	0.27106097	2.3646020	21	7 10.3	19.7
165458 2000 YV_{129}	16.1	X	338.08048	275.32434	77.67074	5.86671	0.2365885	0.27622764	2.3350237	21	9 15.1	17.4
165459 2000 YC_{131}	16.9	X	229.26155	46.19239	50.14509	2.09055	0.1452117	0.26928006	2.3750163	21	8 17.9	20.2
165460 2000 YE_{134}	17.0	X	172.50109	115.21367	350.97534	0.70234	0.1477729	0.26240060	2.4163481	21	7 1.9	20.7
165461 2000 YD_{137}	15.5	X	233.12660	195.36543	238.53251	10.59985	0.2530552	0.26710835	2.3878721	21	7 9.5	19.5
165462 2001 AY_{2}	16.4	X	195.48553	279.54278	91.38987	4.11148	0.1818465	0.25412597	2.4685202	21	3 26.3	20.5
165463 2001 AK_{11}	15.8	X	268.18291	234.01398	274.04421	2.34913	0.0906589	0.23275577	2.6173939	21	12 18.0	19.0
165464 2001 AY_{19}	16.3	X	254.99006	291.85628	100.73491	6.25170	0.3209090	0.26859822	2.3790339	21	6 2.1	20.3
165465 2001 AS_{20}	16.2	X	147.31359	274.80599	197.79456	4.40004	0.1558876	0.26155765	2.4215370	21	6 15.6	19.8
165466 2001 AF_{28}	15.4	X	326.20230	145.44885	343.67669	15.22212	0.0807428	0.23700818	2.5859919	21	—	—
165467 2001 AA_{29}	16.3	X	267.32116	18.06728	22.81428	3.64688	0.1714382	0.27101226	2.3648853	21	7 14.7	19.5
165468 2001 AC_{29}	16.7	X	259.43077	9.57151	53.13319	3.15079	0.2011946	0.27207869	2.3587018	21	7 31.2	19.9
165469 2001 AL_{32}	15.8	X	78.95204	163.70217	352.20545	3.36617	0.1920399	0.25577283	2.4579126	21	5 27.8	18.6
165470 2001 AC_{35}	15.6	X	79.68804	122.14311	2.42701	5.17371	0.1414443	0.25320571	2.4744977	21	4 5.5	18.5
165471 2001 AP_{35}	16.3	X	123.75700	94.32500	40.42771	5.78086	0.1429536	0.25944589	2.4346592	21	6 18.2	19.8
165472 2001 AC_{36}	16.2	X	181.04153	346.46897	50.54872	7.20411	0.1310794	0.25649679	2.4532855	21	4 12.8	19.9
165473 2001 AX_{37}	16.7	X	311.38970	159.91327	330.56541	18.43791	0.0505826	0.37925386	1.8902361	21	—	—
165474 2001 AR_{39}	16.4	X	213.67585	46.60986	325.42925	2.21283	0.2144018	0.26120618	2.4237087	21	4 8.3	20.4
165475 2001 AZ_{39}	16.2	X	182.89468	145.95401	342.23155	4.24206	0.1562500	0.26604279	2.3942439	21	8 10.9	19.9
165476 2001 AQ_{40}	16.6	X	152.63786	32.95427	83.15834	3.14719	0.1645029	0.26088447	2.4257008	21	6 25.9	20.2
165477 2001 AP_{44}	16.0	X	78.62731	83.04753	99.25328	3.31284	0.1150504	0.25663417	2.4524099	21	6 22.3	19.0
165478 2001 AQ_{46}	16.0	X	213.28714	84.18942	1.03091	22.34596	0.2518546	0.26673976	2.3900714	21	7 15.5	20.5
165479 2001 AK_{49}	15.9	X	178.89244	154.56967	307.20747	7.44874	0.0697055	0.26393826	2.4069542	21	7 2.7	19.3
165480 2001 AJ_{50}	16.5	X	236.69688	86.31663	316.96910	5.29761	0.1106640	0.26460267	2.4029232	21	6 17.4	19.8
165481 2001 AX_{50}	16.7	X	233.49530	137.84319	286.92102	2.42979	0.1661806	0.26707906	2.3880468	21	7 7.5	20.1
165482 2001 BC	15.9	X	87.40547	107.20637	24.67262	4.77436	0.1601803	0.25262063	2.4783169	21	5 1.1	18.8
165483 2001 BZ_{12}	16.3	X	225.33345	211.56616	211.90736	5.46623	0.1783440	0.26635391	2.3923791	21	6 25.9	20.0
165484 2001 BO_{19}	16.2	X	299.36369	93.79894	51.02049	3.65457	0.0323540	0.23578219	2.5949483	21	—	—
165485 2001 BU_{19}	17.1	X	190.25235	82.82243	28.15959	1.67545	0.1388459	0.26499998	2.4005209	21	7 26.7	20.6
165486 2001 BR_{20}	16.2	X	327.59285	83.04351	62.01454	4.75389	0.1731899	0.23814371	2.5777649	21	—	—
165487 2001 BS_{20}	16.5	X	195.76062	5.35263	86.40043	6.10557	0.1946485	0.26378625	2.4078787	21	7 4.7	20.5
165488 2001 BK_{22}	16.2	X	228.36343	112.54788	314.89914	3.08545	0.1365654	0.26770713	2.3843102	21	7 8.6	19.6
165489 2001 BQ_{23}	16.8	X	193.34176	286.53400	116.88855	2.92251	0.2039185	0.25974223	2.4328071	21	5 2.8	20.8
165490 2001 BQ_{28}	16.5	X	210.26466	147.64583	304.41578	3.34535	0.1601984	0.26512672	2.3997558	21	7 20.5	20.1
165491 2001 BA_{31}	15.9	X	154.78722	322.96769	123.98832	4.50417	0.0878909	0.25646097	2.4535140	21	5 16.9	19.3
165492 2001 BL_{31}	16.2	X	204.51142	150.14348	313.09156	1.80500	0.1413933	0.26497742	2.4006571	21	7 30.5	19.8
165493 2001 BP_{32}	15.7	X	202.23305	308.28626	152.04457	3.36780	0.1499912	0.26407226	2.4061399	21	7 23.3	19.5
165494 2001 BD_{42}	16.1	X	194.66853	304.20379	166.03702	22.77242	0.3047362	0.26569915	2.3963078	21	7 22.9	20.8
165495 2001 BY_{47}	16.0	X	193.37863	126.66205	331.36848	2.80833	0.1888326	0.26216315	2.4178069	21	7 11.1	19.9
165496 2001 BH_{49}	16.7	X	227.46678	206.50849	251.86692	1.62631	0.1856727	0.26696203	2.3887446	21	8 12.6	20.4
165497 2001 BC_{53}	16.4	X	340.11579	21.18167	109.97264	7.22774	0.1791657	0.28654274	2.2786438	21	—	—
165498 2001 BH_{53}	16.1	X	280.34963	323.38428	57.17196	2.98955	0.2175608	0.26645856	2.3917527	21	6 25.0	19.0
165499 2001 BN_{53}	16.5	X	138.41897	110.84155	43.03106	2.66444	0.1297314	0.26128956	2.4231930	21	7 30.3	20.0
165500 2001 BC_{57}	15.4	X	259.01743	304.48924	262.69261	12.50231	0.2220341	0.23394159	2.6085415	21	—	—
165501 2001 BH_{65}	15.8	X	322.48976	341.63410	166.87034	13.59781	0.1132373	0.23756240	2.5819683	21	—	—
165502 2001 BY_{67}	15.1	X	332.26642	21.57969	142.63373	15.10938	0.0217218	0.23913207	2.5706572	21	—	—
165503 2001 BF_{69}	16.0	X	281.90711	47.57458	46.61871	2.85883	0.1648312	0.27327398	2.3518188	21	10 24.4	18.1
165504 2001 BS_{72}	16.1	X	140.23704	270.65865	219.26626	5.58111	0.0587540	0.25957676	2.4338409	21	6 22.6	19.5
165505 2001 BV_{76}	15.8	X	304.92282	148.56998	330.36882	11.07492	0.1335990	0.23049483	2.6344821	21	—	—
165506 2001 BN_{79}	16.8	X	134.98712	5.76040	139.35304	2.11553	0.1134796	0.26016174	2.4301911	21	7 12.3	20.3
165507 2001 CO_{1}	15.4	X	118.35579	49.85147	80.35741	3.27398	0.1477445	0.25605721	2.4560925	21	6 6.8	18.7
165508 2001 CA_{3}	16.0	X	24.05501	137.78872	345.04764	8.71554	0.1829008	0.24265753	2.5456979	21	—	—
165509 2001 CO_{4}	16.0	X	169.40436	114.15020	357.34774	4.85292	0.1751869	0.26062780	2.4272931	21	7 7.1	19.9
165510 2001 CF_{5}	15.7	X	306.31494	101.43232	43.16531	5.19709	0.1060775	0.23359452	2.6111247	21	—	—
165511 2001 CN_{6}	16.5	X	195.82746	58.44058	6.69595	2.14853	0.2007618	0.26042826	2.4285328	21	5 30.9	20.5
165512 2001 CQ_{6}	15.9	X	216.49485	90.54788	126.69752	4.33803	0.1118501	0.23052293	2.6342680	21	—	—
165513 2001 CT_{8}	15.8	X	311.22569	94.29096	51.29512	4.57591	0.1165577	0.23453497	2.6041399	21	—	—
165514 2001 CA_{11}	16.3	X	101.86654	93.13388	79.44343	3.36453	0.1626297	0.25864904	2.4396572	21	7 17.5	19.6
165515 2001 CH_{11}	16.5	X	18.50713	126.78331	337.69051	6.29512	0.1478902	0.24090217	2.5580493	21	—	—
165516 2001 CA_{14}	16.2	X	216.72558	66.64085	22.90150	4.85282	0.1231489	0.26569420	2.3963376	21	7 28.2	19.7
165517 2001 CZ_{14}	16.2	X	103.34824	51.76143	103.41893	7.64691	0.0782949	0.25752103	2.4467762	21	6 13.0	19.4
165518 2001 CT_{16}	16.3	X	78.75607	107.04184	38.36324	3.58923	0.1654518	0.25263427	2.4782277	21	5 8.6	19.0
165519 2001 CV_{17}	15.4	X	86.21188	239.99071	342.47825	13.10900	0.1671208	0.21254961	2.7807536	21	9 2.2	19.5
165520 2001 CX_{18}	15.9	X	127.05337	186.64719	329.01604	3.83063	0.1185461	0.26051019	2.4280236	21	7 18.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
165521 2001 CC_{19}	16.3	X	159.96861	352.50556	124.25493	3.01547	0.1571328	0.26028356	2.4294328	21	7 3.6	20.1
165522 2001 CD_{20}	16.0	X	160.77901	35.12603	35.45959	6.81066	0.1247651	0.25506653	2.4624480	21	5 2.7	19.7
165523 2001 CF_{20}	15.2	X	265.51744	156.52496	55.17787	11.60131	0.1095796	0.23615233	2.5922361	21	—	—
165524 2001 CM_{22}	15.7	X	334.70205	153.43306	317.46361	18.08956	0.1927640	0.23640063	2.5904206	21	—	—
165525 2001 CK_{23}	16.3	X	64.54213	64.66840	91.86944	0.02639	0.1543753	0.25230292	2.4803970	21	4 29.6	18.8
165526 2001 CQ_{23}	16.7	X	114.01144	340.58519	149.74262	3.11489	0.1509429	0.25612773	2.4556416	21	6 2.8	20.1
165527 2001 CY_{23}	16.0	X	128.89597	310.56620	146.39276	6.69669	0.1115895	0.25513975	2.4619769	21	5 3.5	19.5
165528 2001 CK_{28}	16.4	X	312.76648	152.38418	336.26125	13.71103	0.0883479	0.23425927	2.6061827	21	—	—
165529 2001 CE_{33}	15.3	X	314.96845	153.06246	70.01769	14.62645	0.1188564	0.24532583	2.5272054	21	1 28.1	18.9
165530 2001 CG_{33}	16.3	X	238.32694	24.61011	52.55555	12.12990	0.1726501	0.26810067	2.3819764	21	8 1.9	20.0
165531 2001 CD_{37}	12.7	X	287.10488	321.71801	142.72647	10.19886	0.0423947	0.08095025	5.2924559	21	11 2.4	19.7
165532 2001 CG_{40}	15.9	X	150.51552	353.47660	77.26984	5.91725	0.0890143	0.25317065	2.4747261	21	4 21.4	19.4
165533 2001 CB_{47}	16.7	X	202.72878	83.04470	329.24784	1.77941	0.2059588	0.26042432	2.4285573	21	5 20.3	20.7
165534 2001 CC_{47}	15.8	X	211.71021	320.22046	313.01979	3.45077	0.1086214	0.23782492	2.5800679	21	—	—
165535 2001 DZ	16.5	X	95.36639	139.96467	358.32590	4.89546	0.0664862	0.25249523	2.4791374	21	5 5.3	19.7
165536 2001 DC_{6}	16.1	X	300.99551	351.78238	70.48477	6.16309	0.2135627	0.27264998	2.3554058	21	10 7.9	18.0
165537 2001 DN_{9}	15.6	X	309.14194	108.07390	93.34536	6.86450	0.0522007	0.24188291	2.5511300	21	—	—
165538 2001 DV_{9}	16.5	X	218.69848	62.94843	10.06870	9.95647	0.2467446	0.26433197	2.4045635	21	6 28.8	20.7
165539 2001 DQ_{14}	16.3	X	115.85868	19.01153	31.89722	2.88389	0.1646295	0.24664863	2.5181615	21	2 22.7	19.6
165540 2001 DV_{19}	15.7	X	320.29367	57.76129	96.32720	8.56653	0.1373842	0.23575701	2.5951331	21	—	—
165541 2001 DS_{20}	16.4	X	69.50656	133.82714	53.81811	4.61631	0.1534137	0.25396996	2.4695310	21	6 22.6	19.3
165542 2001 DY_{22}	16.1	X	234.35395	31.25080	20.77428	2.80741	0.1836224	0.26383488	2.4075828	21	6 19.7	19.7
165543 2001 DK_{29}	16.1	X	326.26591	143.06266	46.85425	3.74496	0.0623135	0.24137312	2.5547208	21	1 6.5	19.3
165544 2001 DE_{30}	16.6	X	336.19443	137.98544	38.44308	2.08358	0.2035978	0.24022056	2.5628859	21	—	—
165545 2001 DE_{36}	16.3	X	203.05768	267.69474	179.98080	1.87728	0.1937281	0.26386064	2.4074262	21	7 5.7	20.0
165546 2001 DL_{36}	16.0	X	190.56267	82.78791	318.25128	9.78287	0.1977455	0.25690350	2.4506956	21	4 21.6	20.3
165547 2001 DM_{37}	16.3	X	191.75670	281.57048	147.23783	1.51559	0.1727143	0.25991192	2.4317481	21	6 1.9	20.2
165548 2001 DO_{37}	15.7	X	300.19896	61.13992	133.66697	4.68447	0.0725965	0.23951654	2.5679056	21	—	—
165549 2001 DM_{39}	16.1	X	64.30549	321.04230	251.79413	2.96263	0.2475565	0.25652676	2.4530944	21	8 5.5	19.0
165550 2001 DH_{40}	16.6	X	228.26986	209.22228	220.99493	2.34205	0.2201899	0.26585700	2.3953592	21	7 4.5	20.5
165551 2001 DZ_{40}	12.6	X	352.38079	307.09497	125.80333	6.23675	0.0329298	0.08404809	5.1615975	21	12 11.8	19.4
165552 2001 DS_{42}	15.8	X	225.42740	211.41462	335.23917	13.34610	0.1077805	0.22777627	2.6554027	21	12 6.3	19.8
165553 2001 DZ_{43}	16.4	X	171.37232	133.09708	319.82978	2.17618	0.1503852	0.25870678	2.4392942	21	6 13.2	20.2
165554 2001 DA_{44}	16.1	X	292.82403	79.16949	326.50643	5.21350	0.2736652	0.27073993	2.3664710	21	8 10.7	18.5
165555 2001 DD_{44}	15.5	X	359.88569	156.70369	334.20796	12.73757	0.1131731	0.23925496	2.5697769	21	—	—
165556 2001 DO_{45}	16.3	X	234.60681	153.87916	291.02024	1.30104	0.1838772	0.26606890	2.3940872	21	8 2.8	19.9
165557 2001 DR_{46}	15.6	X	347.23317	346.84383	164.50051	14.67509	0.0424843	0.24037105	2.5618161	21	—	—
165558 2001 DN_{47}	14.0	X	293.89231	60.86745	308.62300	7.97600	0.1739672	0.12403368	3.9820769	21	7 6.8	19.3
165559 2001 DL_{48}	16.3	X	197.61067	61.42514	45.32585	5.19314	0.1508067	0.26496980	2.4007032	21	7 29.3	20.0
165560 2001 DJ_{51}	15.3	X	237.74278	230.91720	25.31092	12.95891	0.1382679	0.23799413	2.5788448	21	—	—
165561 2001 DV_{52}	16.6	X	232.30009	53.28548	19.87685	4.63267	0.2198289	0.26729765	2.3867446	21	7 13.5	20.4
165562 2001 DD_{57}	16.6	X	147.65092	313.67938	138.50944	3.73522	0.0935219	0.25479987	2.4641658	21	5 15.9	20.2
165563 2001 DK_{57}	16.3	X	84.12489	108.73869	128.42099	2.82657	0.2002561	0.21263789	2.7799839	21	9 23.4	20.3
165564 2001 DF_{62}	16.7	X	137.97412	109.07600	343.03863	2.02163	0.1627189	0.25505368	2.4625307	21	5 9.7	20.3
165565 2001 DL_{66}	16.1	X	9.51512	337.59953	187.08179	3.32610	0.1466302	0.24403486	2.5361103	21	1 24.2	18.8
165566 2001 DA_{81}	15.8	X	17.61210	90.54745	48.85690	5.81569	0.1514239	0.24115237	2.5562796	21	1 5.1	18.5
165567 2001 DU_{82}	17.3	X	157.61959	76.10767	3.30959	2.34802	0.2137630	0.25521778	2.4614750	21	5 16.3	21.2
165568 2001 DG_{83}	16.6	X	142.76171	128.22337	141.51770	3.55594	0.0472016	0.22608205	2.6686523	21	12 23.0	20.3
165569 2001 DG_{91}	13.0	X	300.78356	332.31282	136.14763	5.42983	0.0640346	0.08459009	5.1395259	21	11 18.9	19.7
165570 2001 DX_{91}	16.1	X	180.41974	197.00662	348.68014	4.44656	0.0937242	0.22018798	2.7160659	21	10 17.6	20.2
165571 2001 DE_{92}	15.8	X	357.49074	325.63688	167.40002	10.31384	0.1083628	0.23763382	2.5814510	21	—	—
165572 2001 DL_{97}	16.1	X	81.81176	14.70568	70.22744	4.66435	0.0875796	0.24516402	2.5283172	21	2 8.9	19.0
165573 2001 DE_{102}	15.7	X	71.96628	35.44091	51.23970	6.50299	0.1596960	0.24529245	2.5274346	21	2 5.3	18.4
165574 Deidre	15.8	X	300.97602	326.07392	156.28738	10.69967	0.1294208	0.23222974	2.6213449	21	12 31.4	18.9
165575 2001 DR_{107}	16.3	X	44.92366	288.37118	159.54903	5.06211	0.0510270	0.23814061	2.5777873	21	—	—
165576 2001 DC_{108}	16.1	X	11.94657	328.94937	152.46312	8.08578	0.0885439	0.24063167	2.5599660	21	—	—
165577 2001 EA	15.9	X	278.10777	299.93816	129.29165	7.24633	0.2772795	0.26926493	2.3751052	21	8 22.1	18.7
165578 2001 EZ_{2}	16.5	X	97.92865	317.89634	113.67750	2.44331	0.0755411	0.24361756	2.5390056	21	2 11.9	19.6
165579 2001 EA_{4}	17.1	X	129.95224	113.10078	23.98531	2.44608	0.1561678	0.25707163	2.4496269	21	6 30.1	20.7
165580 2001 ES_{9}	15.5	X	303.12400	144.20130	7.34977	7.67834	0.1414171	0.23257562	2.6187453	21	—	—
165581 2001 ER_{14}	15.2	X	350.42799	1.11709	125.47765	14.10605	0.1140175	0.23559965	2.5962886	21	—	—
165582 2001 EA_{17}	16.5	X	33.56667	100.84687	7.88099	23.22194	0.0296369	0.38322714	1.8771481	21	—	—
165583 2001 EF_{22}	15.5	X	245.16295	307.76520	175.91367	8.32848	0.0197579	0.22210000	2.7004554	21	10 26.9	19.1
165584 2001 EX_{22}	15.0	X	143.31989	328.10626	11.43937	13.32346	0.1456130	0.23380537	2.6095546	21	—	—
165585 2001 EY_{22}	16.1	X	283.28160	289.10268	157.54308	6.15690	0.0375815	0.22025979	2.7154756	21	10 26.6	19.6
165586 2001 FH_{8}	15.7	X	310.36851	344.27677	202.98936	6.33120	0.0875235	0.23676559	2.5877580	21	—	—
165587 2001 FW_{9}	16.1	X	320.43631	279.89595	247.65011	4.14158	0.1727784	0.23565908	2.5958520	21	—	—
165588 2001 FG_{18}	15.8	X	149.48909	235.81091	353.20391	8.52943	0.0591564	0.21961052	2.7208251	21	11 6.2	19.9
165589 2001 FQ_{22}	16.2	X	322.32707	6.17279	166.59149	5.44563	0.2403455	0.23524895	2.5988682	21	—	—
165590 2001 FY_{23}	17.5	X	42.86770	305.91413	171.24204	22.32800	0.0893339	0.38736739	1.8637486	21	—	—
165591 2001 FU_{28}	16.0	X	169.60628	225.83094	24.27707	8.92497	0.2256946	0.22329320	2.6908267	21	12 19.3	20.8
165592 2001 FJ_{30}	15.5	X	78.00157	38.96120	32.50678	14.74040	0.0015907	0.23932046	2.5693080	21	1 9.1	19.2
165593 2001 FU_{31}	15.8	X	7.03669	30.01429	49.50146	14.73293	0.0590664	0.22729798	2.6591265	21	—	—
165594 2001 FT_{40}	15.6	X	213.55949	213.34521	6.23707	12.62673	0.1048826	0.22747777	2.6577252	21	—	—
165595 2001 FV_{40}	15.4	X	185.07976	179.98753	9.08275	9.30397	0.0970799	0.22036147	2.7146402	21	10 25.8	19.5
165596 2001 FA_{41}	15.9	X	340.99714	134.88493	353.55466	5.32058	0.1375158	0.23476205	2.6024604	21	—	—
165597 2001 FL_{43}	15.5	X	276.32682	159.61235	10.88144	13.26439	0.1207486	0.22985443	2.6393731	21	—	—
165598 2001 FB_{46}	15.9	X	277.49868	328.58616	186.13788	14.25680	0.1938752	0.22850114	2.6497840	21	12 25.2	19.1
165599 2001 FT_{47}	15.4	X	241.00924	172.94407	1.17497	5.09735	0.1277919	0.22470732	2.6795256	21	12 6.9	19.1
165600 2001 FW_{49}	15.0	X	139.62642	9.83457	209.37522	10.86928	0.2305334	0.21530878	2.7569457	21	10 21.7	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
165601 2001 FK_{51}	16.1	X	324.16052	255.67032	268.64439	2.73001	0.1116470	0.23617049	2.5921032	21	—	—
165602 2001 FH_{55}	15.2	X	114.84927	241.34936	12.18934	8.46824	0.1665733	0.21457210	2.7632523	21	11 5.9	19.7
165603 2001 FM_{57}	15.6	X	9.67486	21.28465	93.63347	15.65334	0.0428567	0.23522137	2.5990713	21	—	—
165604 2001 FC_{59}	16.2	X	117.37927	83.24031	30.61345	7.07787	0.1793384	0.25359168	2.4719862	21	5 17.4	19.7
165605 2001 FQ_{61}	15.9	X	291.29896	176.30116	34.99587	4.63910	0.0672413	0.23818135	2.5774933	21	—	—
165606 2001 FJ_{64}	15.7	X	225.84972	220.38200	14.90828	13.05407	0.1273213	0.23065158	2.6332884	21	—	—
165607 2001 FS_{66}	15.5	X	240.06784	135.20675	32.14702	11.77104	0.0205197	0.22489629	2.6780243	21	12 11.9	19.3
165608 2001 FX_{67}	15.9	X	321.38910	356.16275	123.29767	4.37259	0.1448091	0.23078594	2.6322663	21	—	—
165609 2001 FN_{69}	15.7	X	302.49537	339.62534	169.35974	13.65318	0.1206094	0.23091679	2.6312718	21	—	—
165610 2001 FU_{82}	15.7	X	211.51754	347.16952	219.34437	9.89990	0.1566732	0.22503926	2.6768900	21	12 10.8	19.8
165611 2001 FC_{84}	16.6	X	207.89318	152.29149	131.13529	1.36452	0.1206087	0.23499197	2.6007626	21	—	—
165612 Stackpole	16.4	X	349.67798	311.66203	221.74908	1.70685	0.0423212	0.24001904	2.5643202	21	1 18.9	19.5
165613 2001 FH_{89}	17.3	X	124.89615	95.18814	7.75568	5.31552	0.1172072	0.25160197	2.4850017	21	5 3.5	20.8
165614 2001 FC_{96}	15.9	X	252.42810	359.32759	159.48659	13.78223	0.2083472	0.22613365	2.6682464	21	11 24.3	19.7
165615 2001 FD_{99}	15.4	X	262.06939	181.27357	13.69650	29.46897	0.0490501	0.23112127	2.6297196	21	—	—
165616 2001 FF_{102}	16.1	X	39.36058	269.16212	219.15507	6.53441	0.1556539	0.24360998	2.5390583	21	1 27.7	18.6
165617 2001 FS_{102}	15.7	X	198.27369	146.06655	170.46086	15.15801	0.1285264	0.23966364	2.5668547	21	1 18.1	19.9
165618 2001 FE_{106}	16.3	X	79.64793	317.53297	130.68167	7.60557	0.1571823	0.24495183	2.5297771	21	2 18.9	18.9
165619 2001 FA_{107}	16.4	X	325.93866	3.24806	90.39740	3.31535	0.1551416	0.27842264	2.3227351	21	—	—
165620 2001 FF_{109}	15.7	X	115.60944	263.28757	350.67440	8.81768	0.0882683	0.21814559	2.7329924	21	11 1.2	20.0
165621 2001 FU_{109}	15.9	X	303.08553	234.82269	292.90971	3.81527	0.0880456	0.23366336	2.6106119	21	—	—
165622 2001 FZ_{109}	15.5	X	353.26140	285.22517	188.36264	27.63646	0.1389223	0.23463424	2.6034054	21	—	—
165623 2001 FZ_{113}	16.4	X	337.66452	160.03566	21.26704	1.12158	0.0622346	0.23984154	2.5655852	21	1 10.8	19.6
165624 2001 FQ_{128}	16.4	X	54.81825	153.03127	18.06088	11.29273	0.1114467	0.25050145	2.4922746	21	4 25.6	19.2
165625 2001 FA_{130}	15.9	X	272.38342	189.87502	357.12297	5.74029	0.1425677	0.23193377	2.6235744	21	—	—
165626 2001 FX_{135}	14.5	X	79.82443	286.29074	333.31043	15.48485	0.2089120	0.21127789	2.7919010	21	10 9.2	19.0
165627 2001 FZ_{142}	15.4	X	184.87736	252.01287	42.65574	14.37582	0.1822290	0.23332873	2.6131073	21	—	—
165628 2001 FT_{146}	15.7	X	149.20225	354.32584	227.11874	8.85080	0.1411141	0.21821502	2.7324126	21	10 30.7	20.1
165629 2001 FL_{151}	15.5	X	254.27771	212.75195	37.65902	27.03246	0.0059058	0.23711085	2.5852454	21	—	—
165630 2001 FC_{156}	16.2	X	288.30640	221.01443	324.68725	1.81357	0.1242991	0.23428116	2.6060203	21	—	—
165631 2001 FM_{160}	15.9	X	349.03075	283.49142	182.87663	14.11309	0.1167725	0.23319044	2.6141403	21	—	—
165632 2001 FF_{163}	16.0	X	246.17304	316.69212	159.61994	6.09467	0.0869718	0.22052258	2.7133178	21	10 8.3	19.7
165633 2001 FR_{167}	15.6	X	29.23099	11.97521	120.75279	16.43178	0.2394675	0.23994546	2.5648444	21	1 12.2	17.5
165634 2001 FA_{171}	15.5	X	87.11750	60.73186	224.73832	5.69688	0.2888259	0.21447147	2.7641166	21	12 1.0	20.2
165635 2001 FC_{176}	15.5	X	358.81250	164.94988	38.13244	13.76811	0.0846187	0.24534141	2.5270984	21	3 15.4	18.6
165636 2001 FL_{180}	15.7	X	130.26410	136.39898	177.45860	16.85959	0.1028981	0.22803417	2.6534003	21	—	—
165637 2001 FA_{188}	16.8	X	15.88387	39.23269	65.37181	1.08367	0.0843903	0.23572467	2.5953705	21	—	—
165638 2001 FH_{192}	16.6	X	21.73437	156.42955	330.71638	4.78605	0.1536275	0.24127197	2.5554348	21	—	—
165639 2001 GO_{3}	16.7	X	291.20779	118.33065	34.93239	21.43579	0.0771166	0.37488335	1.9048990	21	—	—
165640 2001 GO_{5}	15.5	X	114.28286	329.93386	17.38552	15.20917	0.1214974	0.23078581	2.6322673	21	—	—
165641 2001 GG_{10}	15.7	X	352.84467	325.05427	236.31299	12.47847	0.1081285	0.24260693	2.5460519	21	2 15.7	18.9
165642 2001 GJ_{11}	15.6	X	255.01903	349.22765	148.17370	13.54121	0.1746965	0.22311607	2.6922506	21	11 6.2	19.5
165643 2001 GK_{11}	14.9	X	138.28797	64.42297	169.00457	14.32672	0.1485232	0.21576623	2.7530477	21	11 7.6	19.5
165644 2001 HB_{2}	15.3	X	110.70296	39.42657	213.69901	13.09174	0.1572441	0.21388884	2.7691339	21	11 3.4	19.5
165645 2001 HX_{17}	16.0	X	37.24315	202.50398	210.77172	11.47913	0.1786139	0.22799564	2.6536992	21	—	—
165646 2001 HP_{19}	16.3	X	30.62590	131.40683	215.66645	5.46262	0.0306985	0.21628195	2.7486696	21	11 11.6	20.0
165647 2001 HL_{24}	16.1	X	35.83296	273.58461	49.26213	4.16589	0.0929750	0.21272759	2.7792024	21	10 26.6	19.5
165648 2001 HM_{25}	16.1	X	350.29413	3.08161	36.21156	5.44079	0.1158624	0.21940470	2.7225264	21	11 29.6	19.2
165649 2001 HC_{33}	16.1	X	313.54959	350.59941	206.93298	7.34103	0.1662483	0.23570901	2.5954854	21	—	—
165650 2001 HN_{36}	14.6	X	163.75368	24.53984	233.42225	31.05464	0.0862435	0.22061551	2.7125558	21	12 23.5	19.1
165651 2001 HG_{42}	15.7	X	241.87949	74.70227	65.79411	5.57558	0.1017114	0.22045701	2.7138559	21	10 31.5	19.5
165652 2001 HH_{44}	15.7	X	32.34960	215.24621	58.84279	5.45710	0.1260213	0.20560997	2.8429765	21	8 22.6	19.2
165653 2001 JP_{3}	15.0	X	42.32674	115.67092	214.14460	12.56032	0.2289306	0.21130766	2.7916388	21	12 3.1	18.8
165654 2001 JE_{11}	15.6	X	168.97805	146.14967	166.42851	13.52590	0.2811694	0.17452638	3.1712367	21	1 6.9	21.3
165655 2001 KB_{2}	15.5	X	184.82024	209.35632	60.47027	10.16114	0.0516787	0.22583628	2.6705881	21	—	—
165656 2001 KN_{16}	15.5	X	219.32785	148.71570	148.87687	5.25472	0.2923151	0.18028265	3.1033690	21	1 22.9	21.2
165657 2001 KA_{18}	15.8	X	321.17231	99.18904	183.46940	8.26191	0.1272341	0.19380127	2.9573199	21	4 30.2	19.5
165658 2001 LX_{5}	16.4	X	231.47382	51.92339	189.29343	3.31249	0.1344078	0.23114153	2.6295659	21	—	—
165659 Michaelhicks	14.8	X	208.07467	234.19038	121.55902	27.80573	0.3698640	0.18161011	3.0882281	21	3 29.3	21.1
165660 2001 LE_{18}	15.0	X	270.91485	106.70346	243.53223	8.51917	0.1481716	0.19132668	2.9827650	21	5 16.2	19.2
165661 2001 MJ_{1}	15.4	X	296.66185	282.13893	354.05066	5.95788	0.2599171	0.18681945	3.0305491	21	3 1.8	19.9
165662 2001 MS_{29}	14.4	X	250.53194	73.96270	287.89340	10.68380	0.0752717	0.18932617	3.0037396	21	5 14.7	19.0
165663 2001 MT_{29}	14.7	X	215.69094	102.89758	235.42081	12.05921	0.1019785	0.17910509	3.1169566	21	3 6.3	19.9
165664 2001 MO_{30}	15.0	X	144.67835	96.04064	269.72387	8.17731	0.0784820	0.17442830	3.1724254	21	1 28.9	19.7
165665 2001 MJ_{31}	15.2	X	237.93276	113.00850	224.95486	9.61183	0.1349201	0.18434656	3.0575908	21	3 27.6	20.0
165666 2001 NF_{1}	15.1	X	225.51987	294.50239	86.28928	3.73344	0.1801987	0.18822485	3.0154450	21	5 6.8	19.9
165667 2001 NO_{7}	16.0	X	283.09579	267.09241	49.73880	2.51405	0.0726920	0.18905347	3.0066274	21	4 29.6	20.1
165668 2001 NG_{12}	15.1	X	255.14732	322.40070	321.80164	6.59647	0.1675158	0.18122036	3.0926544	21	2 9.3	20.0
165669 2001 NT_{16}	15.4	X	166.65136	222.30575	105.60107	10.00568	0.1941727	0.17275163	3.1929194	21	1 18.7	20.6
165670 2001 NH_{20}	15.1	X	251.83877	30.19783	242.82045	18.36105	0.2232623	0.17799955	3.1298494	21	1 16.6	20.6
165671 2001 OA_{1}	15.5	X	291.52156	206.65132	106.63333	2.60575	0.0735912	0.18983132	2.9984086	21	5 6.4	19.5
165672 2001 ON_{1}	15.4	X	171.66418	8.13345	345.78084	10.15798	0.2151526	0.17661903	3.1461376	21	2 22.5	20.7
165673 2001 OJ_{15}	14.7	X	328.49736	329.39762	324.11505	23.85131	0.0752553	0.19211495	2.9746003	21	5 26.9	19.1
165674 2001 OV_{24}	15.2	X	196.95521	143.68989	151.96294	12.54651	0.1805917	0.17242791	3.1969144	21	1 5.7	20.7
165675 2001 OD_{29}	15.2	X	274.47801	318.59137	15.52490	10.58124	0.1129790	0.18918361	3.0052484	21	5 2.5	19.6
165676 2001 OG_{41}	14.8	X	188.24497	212.68810	97.27931	19.97825	0.1726155	0.17430949	3.1738668	21	1 14.7	20.1
165677 2001 OG_{42}	14.7	X	159.69263	36.70381	329.67300	16.43210	0.1444445	0.17229213	3.1985938	21	2 21.2	19.8
165678 2001 OA_{51}	15.4	X	294.44897	312.99688	346.41305	4.49920	0.1230611	0.18837436	3.0138492	21	4 12.9	19.7
165679 2001 OU_{52}	14.9	X	266.14695	248.24733	77.33950	10.77897	0.0936665	0.18602888	3.0391290	21	4 21.8	19.4
165680 2001 OY_{58}	15.1	X	310.06350	135.92186	173.49147	10.42049	0.1073628	0.19230156	2.9726756	21	5 22.8	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
165681 2001 OO_{64}	15.3	X	251.92573	21.47573	249.60337	3.35254	0.2297768	0.17920234	3.1158289	21	1 18.2	20.5
165682 2001 OY_{65}	14.2	X	186.69664	14.04883	334.29864	14.95886	0.2406399	0.17526266	3.1623489	21	2 26.5	19.6
165683 2001 OK_{68}	14.5	X	175.97683	240.12623	142.60851	21.96923	0.3102136	0.17793167	3.1306454	21	4 6.4	20.5
165684 2001 OD_{71}	14.8	X	221.96201	171.58239	160.10315	18.78002	0.1821592	0.17797637	3.1301212	21	3 7.5	19.9
165685 2001 OA_{74}	15.5	X	288.68470	125.76798	131.88505	4.23255	0.1064587	0.18271242	3.0757947	21	2 18.7	19.9
165686 2001 OY_{75}	15.3	X	215.49352	232.33111	106.66995	6.09252	0.2672467	0.18178768	3.0862167	21	3 10.4	20.8
165687 2001 OV_{81}	14.7	X	231.91945	121.05924	259.30401	8.58748	0.1378167	0.18787480	3.0191894	21	5 13.1	19.5
165688 2001 OU_{87}	14.1	X	269.89272	9.63774	255.93358	16.57304	0.1616219	0.17900146	3.1181595	21	1 27.6	19.2
165689 2001 PY_{1}	14.9	X	227.49617	139.86322	124.10929	22.66900	0.1553958	0.17404342	3.1771006	21	—	—
165690 2001 PA_{3}	14.1	X	142.69586	46.84338	296.38776	10.86496	0.1365202	0.16843203	3.2472790	21	1 10.3	19.0
165691 2001 PM_{6}	15.2	X	205.34338	196.62585	127.12496	1.99813	0.1571402	0.17576255	3.1563500	21	2 13.0	20.4
165692 2001 PS_{16}	14.7	X	220.87462	68.43150	245.05642	15.02884	0.2054810	0.17753019	3.1353636	21	2 6.9	20.3
165693 2001 PC_{18}	15.0	X	203.40165	291.63930	73.96278	10.34315	0.1396083	0.18165082	3.0877667	21	4 4.9	20.1
165694 2001 PQ_{28}	14.5	X	104.46540	116.95342	330.23476	15.06579	0.0788999	0.17828833	3.1264688	21	3 17.6	19.0
165695 2001 PT_{32}	15.5	X	235.29299	170.85680	177.05144	4.94853	0.1705733	0.18391959	3.0623210	21	4 6.8	20.3
165696 2001 PQ_{34}	14.4	X	74.31278	100.74126	260.69714	11.19889	0.1305644	0.16102711	3.3460831	21	—	—
165697 2001 PR_{34}	15.0	X	226.22783	126.70863	273.59614	10.34253	0.2359137	0.18534752	3.0465726	21	5 26.3	20.2
165698 2001 PA_{44}	15.3	X	191.39195	137.37454	206.13497	4.44547	0.1340470	0.17716767	3.1396391	21	2 21.5	20.4
165699 2001 PD_{44}	15.5	X	232.22671	181.79924	180.98294	2.22678	0.1039612	0.18534529	3.0465970	21	4 25.9	20.3
165700 2001 PQ_{44}	14.8	X	141.06570	135.26041	271.76807	5.02754	0.2325842	0.17628557	3.1501038	21	3 28.1	20.0
165701 2001 PN_{46}	15.2	X	268.84352	313.09014	70.84337	13.01331	0.2637069	0.19026620	2.9938380	21	6 10.8	19.8
165702 2001 PA_{59}	15.2	X	136.76190	201.61341	182.93175	2.20953	0.1111373	0.17287453	3.1914058	21	2 16.8	19.9
165703 2001 PH_{60}	15.1	X	207.23667	339.40633	311.26086	4.09395	0.1195720	0.17404391	3.1770947	21	1 8.4	20.1
165704 2001 PD_{61}	15.2	X	201.51593	37.96202	297.02046	4.04100	0.1603096	0.17681384	3.1438264	21	2 21.1	20.4
165705 2001 PP_{61}	15.3	X	151.56386	353.41675	24.95644	1.20346	0.2188590	0.17461451	3.1701696	21	3 5.8	20.6
165706 2001 PW_{64}	15.4	X	186.95522	314.84912	63.50467	3.46945	0.1989177	0.17926294	3.1151267	21	4 2.7	20.7
165707 2001 PQ_{65}	15.2	X	269.95311	4.66511	329.49642	11.24911	0.0825717	0.18622262	3.0370208	21	4 29.0	19.8
165708 2001 PB_{66}	14.9	X	219.40417	171.19916	141.24915	10.37424	0.0204333	0.17708059	3.1406683	21	2 15.6	19.2
165709 2001 PD_{67}	14.7	X	214.98951	181.26880	205.22689	24.04332	0.0821018	0.18554577	3.0444021	21	5 8.8	19.4
165710 2001 QC_{1}	15.6	X	310.02972	100.07431	163.12017	5.12419	0.1964431	0.18471647	3.0535073	21	3 9.9	19.6
165711 2001 QY_{19}	15.2	X	242.77031	187.92912	147.49113	9.95309	0.2658318	0.18279256	3.0748956	21	3 25.5	20.6
165712 2001 QV_{33}	15.7	X	172.52284	141.13272	177.09642	1.28967	0.1416750	0.17011621	3.2258110	21	1 9.5	20.8
165713 2001 QF_{35}	14.7	X	265.67883	75.33251	296.25835	7.87107	0.1451106	0.19241045	2.9715539	21	6 6.6	19.0
165714 2001 QR_{36}	15.7	X	344.93374	308.31250	312.03067	7.60103	0.1307773	0.23979210	2.5659378	21	4 27.5	18.6
165715 2001 QP_{39}	15.2	X	288.41860	197.32982	124.45607	11.27387	0.1244938	0.19003255	2.9962915	21	5 9.3	19.6
165716 2001 QN_{42}	14.7	X	232.46092	87.52522	328.88915	8.94770	0.1709783	0.19183679	2.9774749	21	6 26.2	19.5
165717 2001 QR_{45}	14.8	X	225.94471	314.74856	326.12851	16.21530	0.1244052	0.17496643	3.1659173	21	1 16.6	19.9
165718 2001 QV_{53}	15.2	X	215.35456	350.06356	332.21236	7.79062	0.0624750	0.17783547	3.1317743	21	2 21.2	19.9
165719 2001 QB_{56}	15.1	X	224.08606	43.86754	337.69227	10.75412	0.1193299	0.18449709	3.0559274	21	5 4.9	20.1
165720 2001 QX_{59}	14.9	X	245.60499	235.13929	82.10833	2.73970	0.1729638	0.18138914	3.0907357	21	3 11.8	19.8
165721 2001 QZ_{63}	14.8	X	174.89705	256.35178	172.31819	22.88345	0.3161452	0.17933923	3.1142431	21	5 25.8	20.9
165722 2001 QP_{68}	14.3	X	218.67414	31.30056	289.87113	16.61722	0.2037748	0.17703527	3.1412043	21	2 14.2	19.9
165723 2001 QZ_{81}	14.8	X	176.75871	129.74730	262.44162	7.09850	0.2520784	0.17603521	3.1530899	21	4 8.1	20.4
165724 2001 QC_{101}	15.0	X	201.54886	320.61681	75.75548	12.25875	0.1666917	0.18289690	3.0737260	21	5 7.3	20.1
165725 2001 QJ_{101}	14.9	X	188.95589	230.28750	149.24225	6.05579	0.1593198	0.17899846	3.1181943	21	4 5.7	20.1
165726 2001 QC_{106}	15.1	X	119.37308	186.18462	194.37572	19.99304	0.1504962	0.17035334	3.2228167	21	1 26.2	20.1
165727 2001 QG_{106}	14.6	X	152.53576	216.98473	203.82893	16.80231	0.2198456	0.17787864	3.1312675	21	4 24.9	19.9
165728 2001 QV_{106}	14.9	X	230.20326	61.01930	259.77481	21.30338	0.2084800	0.17997464	3.1069089	21	2 17.8	20.6
165729 2001 QW_{106}	14.8	X	170.98200	140.47393	246.27416	21.66805	0.0980092	0.17969922	3.1100826	21	3 16.4	20.1
165730 2001 QP_{124}	15.0	X	201.72730	44.71670	351.30301	10.59481	0.1347078	0.18473397	3.0533145	21	4 30.6	20.0
165731 2001 QA_{125}	15.0	X	189.90434	297.04624	98.64871	2.88359	0.1810668	0.18225546	3.0809337	21	4 24.8	20.2
165732 2001 QU_{126}	14.9	X	294.66072	129.14390	172.04134	16.89438	0.1307169	0.18744692	3.0237822	21	4 18.9	19.2
165733 2001 QE_{127}	14.8	X	182.47215	118.52107	273.10655	8.95430	0.0890716	0.18225379	3.0809525	21	4 6.5	19.7
165734 2001 QC_{128}	15.3	X	258.94417	75.16083	203.44227	8.03145	0.2528646	0.17978195	3.1091284	21	1 29.0	20.7
165735 2001 QQ_{128}	15.0	X	212.02159	58.31207	277.02950	8.49869	0.1207848	0.17886998	3.1196874	21	2 27.9	20.1
165736 2001 QQ_{131}	14.5	X	196.28126	205.85724	164.55144	18.52421	0.1332935	0.17817551	3.1277884	21	4 2.1	19.6
165737 2001 QE_{134}	14.7	X	195.27001	72.29798	286.40402	8.04507	0.1239880	0.17822858	3.1271676	21	3 11.8	19.8
165738 2001 QT_{154}	15.4	X	212.53176	148.67185	190.40877	9.63308	0.1058554	0.17923813	3.1154141	21	3 7.5	20.2
165739 2001 QQ_{158}	14.8	X	136.14830	19.05424	325.52091	6.08148	0.1106490	0.16841121	3.2475466	21	1 2.6	19.6
165740 2001 QH_{161}	14.9	X	234.17536	333.78474	339.39442	8.46241	0.0488861	0.17877324	3.1208128	21	3 2.8	19.5
165741 2001 QS_{161}	14.3	X	93.24757	287.73785	143.90589	17.66334	0.1251045	0.17340622	3.1848790	21	2 26.4	18.6
165742 2001 QO_{162}	15.0	X	299.11520	98.48783	162.12356	10.82985	0.0783640	0.18160775	3.0882548	21	3 10.8	19.2
165743 2001 QS_{164}	15.3	X	142.27513	60.50915	344.63860	15.47999	0.2415717	0.17722573	3.1389534	21	3 25.9	20.7
165744 2001 QG_{167}	15.4	X	197.58235	350.25535	24.60558	3.85787	0.1248120	0.18146850	3.0898345	21	4 5.9	20.4
165745 2001 QV_{168}	15.1	X	241.68913	346.27980	339.20301	16.40660	0.0745537	0.18317681	3.0705939	21	3 19.2	19.8
165746 2001 QH_{171}	15.1	X	232.22506	133.56772	235.01203	9.44186	0.1395937	0.18630614	3.0361131	21	4 29.1	19.9
165747 2001 QT_{184}	14.5	X	267.73986	45.23359	252.19166	9.95654	0.1818263	0.18220518	3.0815004	21	3 2.0	19.5
165748 2001 QR_{186}	15.0	X	140.43650	119.37265	339.71211	15.82911	0.1142536	0.18252905	3.0778542	21	5 15.9	20.1
165749 2001 QT_{187}	14.3	X	113.66036	185.99978	254.89394	15.70809	0.1892036	0.17424675	3.1746286	21	4 4.3	19.4
165750 2001 QO_{189}	14.0	X	20.92585	238.96532	267.46287	19.92148	0.1085229	0.17315958	3.1879025	21	2 1.9	18.3
165751 2001 QA_{191}	16.7	X	228.10405	17.25200	291.76788	18.47037	0.0478161	0.37394547	1.9080827	21	1 14.3	18.7
165752 2001 QF_{202}	14.5	X	168.51612	44.40154	306.19814	20.80431	0.0689063	0.17425242	3.1745598	21	2 4.3	19.4
165753 2001 QM_{202}	14.9	X	247.81765	45.53777	334.21914	10.02416	0.1287845	0.19028539	2.9936367	21	5 28.3	19.6
165754 2001 QZ_{202}	15.2	X	173.76564	188.85217	118.44945	13.44639	0.1599758	0.17055897	3.2202259	21	—	—
165755 2001 QK_{207}	15.6	X	231.73423	231.61276	135.10473	1.69210	0.2007757	0.18470974	3.0535815	21	4 24.2	20.7
165756 2001 QT_{208}	15.3	X	150.56149	73.97919	334.37643	8.71276	0.1454576	0.17890069	3.1193303	21	3 30.5	20.3
165757 2001 QV_{209}	15.3	X	167.92335	197.72709	242.88268	4.25897	0.2697901	0.18292091	3.0734571	21	5 31.1	20.7
165758 2001 QR_{217}	15.1	X	190.49252	38.51064	353.47056	9.42691	0.0976379	0.18110995	3.0939112	21	4 16.3	19.9
165759 2001 QU_{227}	14.7	X	96.05095	173.28734	297.97976	13.18865	0.0843389	0.17865486	3.1221912	21	4 4.7	19.4
165760 2001 QA_{228}	14.7	X	174.39492	200.87764	265.45695	9.03099	0.1106885	0.18901854	3.0069979	21	7 3.1	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
165761 2001 QD_{228}	14.4	X	80.91466	131.25237	295.87611	12.78038	0.1294099	0.17035730	3.2227669	21	2 2.5	18.7
165762 2001 QL_{228}	15.1	X	261.03815	114.80782	202.06618	12.53451	0.1266497	0.18281343	3.0746616	21	3 27.5	19.7
165763 2001 QV_{229}	15.0	X	264.31147	300.31521	320.14531	10.70592	0.0409098	0.17363067	3.1821336	21	2 3.9	19.7
165764 2001 QO_{232}	15.2	X	134.13988	227.56447	186.29910	3.79946	0.1756824	0.17448488	3.1717395	21	3 27.5	20.0
165765 2001 QW_{236}	17.6	X	189.97109	131.88361	171.37467	7.58834	0.2545465	0.32043838	2.1149805	21	—	—
165766 2001 QA_{241}	15.2	X	249.08818	292.50176	345.50075	3.76143	0.2220671	0.17561442	3.1581246	21	1 26.1	20.4
165767 2001 QC_{241}	15.1	X	238.78563	350.62214	345.95832	9.86601	0.0797098	0.18019083	3.1044232	21	3 31.0	19.8
165768 2001 QO_{243}	15.5	X	169.92670	33.03261	348.45824	7.12739	0.1675342	0.17526244	3.1623515	21	3 20.5	20.6
165769 2001 QJ_{244}	14.9	X	238.49433	334.53615	3.21210	9.06121	0.0699321	0.17945013	3.1129600	21	4 3.6	19.6
165770 2001 QC_{250}	14.8	X	142.75169	324.30723	38.73738	8.31494	0.1543396	0.17130800	3.2108323	21	2 6.2	19.8
165771 2001 QS_{250}	14.5	X	161.05893	11.04248	20.15070	18.07070	0.1084565	0.17716462	3.1396751	21	3 25.1	19.4
165772 2001 QL_{251}	15.4	X	255.51469	99.54043	203.66623	5.63899	0.1353918	0.18271613	3.0757530	21	3 4.5	20.3
165773 2001 QC_{255}	14.9	X	210.91873	229.68543	130.54706	23.00505	0.0539049	0.18118444	3.0930631	21	4 10.9	19.9
165774 2001 QE_{255}	15.3	X	285.31959	131.30000	207.55964	9.13142	0.0995057	0.18932418	3.0037607	21	5 27.5	19.5
165775 2001 QE_{262}	15.4	X	206.78649	126.50355	217.47117	11.90683	0.1631538	0.17682513	3.1436925	21	3 5.3	20.8
165776 2001 QD_{265}	14.5	X	12.56415	203.44551	345.16312	11.78064	0.0402685	0.17708147	3.1406579	21	3 20.7	18.7
165777 2001 QG_{265}	14.9	X	162.89637	203.90819	231.94037	15.05712	0.1504087	0.18013290	3.1050888	21	5 17.5	19.8
165778 2001 QN_{266}	14.8	X	197.57529	144.37857	232.69626	10.56114	0.1493072	0.18219828	3.0815783	21	4 5.7	20.0
165779 2001 QB_{268}	15.0	X	258.18230	125.82353	169.26561	11.36475	0.0644211	0.17980652	3.1088451	21	3 6.1	19.7
165780 2001 QP_{279}	14.4	X	205.70719	321.55452	2.87355	16.29677	0.1407496	0.17583092	3.1555318	21	2 19.4	19.6
165781 2001 QE_{283}	14.6	X	188.38350	98.01564	268.54362	14.67265	0.2706664	0.17889871	3.1193534	21	3 13.7	20.5
165782 2001 QO_{330}	15.2	X	183.66255	195.56134	187.46611	9.42192	0.0772317	0.17990745	3.1076823	21	4 1.6	19.9
165783 2001 RQ_{1}	15.1	X	221.65681	188.80897	174.16486	9.87717	0.1093925	0.18180268	3.0860469	21	4 16.8	19.9
165784 2001 RN_{5}	15.0	X	172.10160	99.03633	291.21945	3.05178	0.0920168	0.17786045	3.1314811	21	3 28.4	19.8
165785 2001 RT_{5}	15.3	X	187.56737	97.17209	307.86509	2.51446	0.1445227	0.18094837	3.0957528	21	5 1.6	20.3
165786 2001 RW_{5}	14.7	X	223.95357	350.21910	343.31609	8.55407	0.0631010	0.17783164	3.1318193	21	3 14.6	19.5
165787 2001 RU_{9}	14.2	X	264.13738	348.41984	275.29505	24.71703	0.2067780	0.17875896	3.1209789	21	1 17.3	19.4
165788 2001 RV_{19}	15.0	X	200.51048	207.30061	159.77218	6.60290	0.1304685	0.18042981	3.1016815	21	3 31.7	19.9
165789 2001 RZ_{20}	15.5	X	247.86935	294.36742	339.78087	1.81305	0.2170520	0.17666109	3.1456383	21	1 20.5	20.7
165790 2001 RA_{28}	15.4	X	204.47466	202.89819	171.01106	9.70227	0.0993223	0.18202370	3.0835483	21	4 13.3	20.2
165791 2001 RN_{29}	15.5	X	178.08085	344.16849	356.82313	4.28729	0.1565354	0.17357682	3.1827918	21	2 10.7	20.6
165792 2001 RN_{33}	15.8	X	239.30629	114.41669	176.69099	9.87492	0.1887859	0.17777770	3.1324527	21	1 31.9	21.1
165793 2001 RQ_{33}	14.6	X	184.09331	80.36773	311.91544	9.17545	0.0889281	0.18206568	3.0830743	21	4 8.4	19.5
165794 2001 RX_{34}	15.2	X	205.16850	156.10843	237.20427	4.78543	0.0597545	0.18475132	3.0531233	21	5 6.2	19.6
165795 2001 RG_{36}	15.3	X	204.97393	128.65107	185.91062	8.85448	0.0685193	0.17427743	3.1742560	21	1 31.1	20.2
165796 2001 RL_{36}	15.5	X	230.89896	81.30131	201.01258	5.47965	0.1658479	0.17448590	3.1717272	21	1 17.1	20.7
165797 2001 RK_{37}	15.7	X	225.67737	177.13632	184.09326	5.64102	0.1336813	0.18333996	3.0687720	21	4 16.1	20.4
165798 2001 RU_{41}	15.4	X	157.90268	33.48835	29.60074	0.80258	0.1471708	0.17985798	3.1082522	21	4 27.2	20.2
165799 2001 RJ_{48}	14.7	X	158.37281	15.09939	26.85956	9.52744	0.0910845	0.17464307	3.1698240	21	3 31.9	19.5
165800 2001 RJ_{50}	14.9	X	210.09260	105.75409	247.31699	8.87253	0.1106148	0.17936186	3.1139811	21	3 19.2	19.9
165801 2001 RO_{52}	15.3	X	200.72829	320.31518	59.54134	4.45308	0.0847022	0.18172160	3.0869648	21	4 16.3	19.9
165802 2001 RN_{54}	14.9	X	234.27471	290.15819	34.55950	3.77861	0.1606231	0.17808998	3.1287898	21	3 11.6	19.9
165803 2001 RN_{55}	14.8	X	43.28990	111.00193	355.65213	11.92180	0.0960390	0.17057298	3.2200496	21	1 30.0	19.0
165804 2001 RZ_{57}	14.9	X	163.85456	12.46290	30.87592	10.88938	0.1020139	0.17807106	3.1290114	21	4 8.3	19.6
165805 2001 RB_{58}	14.8	X	114.50988	20.61963	29.16902	11.48516	0.1706199	0.17135700	3.2102202	21	3 7.4	19.6
165806 2001 RC_{60}	15.2	X	241.51856	309.91732	35.72628	10.61272	0.0588538	0.18165418	3.0877286	21	4 19.2	19.6
165807 2001 RS_{62}	15.1	X	202.64520	198.53863	134.25323	9.01960	0.0576947	0.17401142	3.1774902	21	2 21.9	19.9
165808 2001 RO_{66}	14.8	X	74.81507	260.79924	221.35799	10.19317	0.1225422	0.17352986	3.1833659	21	4 1.7	19.1
165809 2001 RK_{78}	14.5	X	166.51565	170.11586	207.48421	18.78408	0.2493219	0.17288782	3.1912424	21	3 14.8	20.2
165810 2001 RW_{79}	15.1	X	146.70038	127.43682	340.40051	4.77645	0.0416288	0.18606114	3.0387777	21	5 31.9	19.6
165811 2001 RH_{81}	14.6	X	147.40034	234.74000	198.92198	13.14391	0.1506250	0.17708589	3.1406057	21	5 1.7	19.6
165812 2001 RE_{84}	14.8	X	127.96310	69.49421	343.40415	15.43396	0.0660171	0.17482843	3.1675830	21	3 7.1	19.2
165813 2001 RJ_{87}	14.9	X	134.78046	204.44557	196.60737	4.95728	0.1571651	0.17199929	3.2022234	21	3 10.6	19.8
165814 2001 RY_{96}	15.5	X	315.83904	62.83151	174.82011	3.22555	0.0983727	0.17972867	3.1097429	21	2 28.2	19.6
165815 2001 RF_{100}	14.8	X	239.58981	332.55385	8.47294	8.23174	0.1430573	0.18286388	3.0740960	21	4 3.4	19.7
165816 2001 RU_{100}	15.0	X	291.54651	298.90987	1.32107	9.15215	0.0653738	0.18460141	3.0547760	21	4 18.0	19.3
165817 2001 RU_{101}	14.9	X	183.30710	149.93034	151.57494	15.49495	0.1243991	0.16946441	3.2340772	21	—	—
165818 2001 RE_{102}	15.4	X	189.30527	132.39089	163.17660	5.02980	0.1058345	0.17033655	3.2230285	21	—	—
165819 2001 RT_{108}	15.0	X	114.29502	130.46885	353.64823	9.43728	0.1167106	0.18301316	3.0724242	21	5 21.5	19.7
165820 2001 RF_{111}	15.7	X	301.31208	201.67972	123.10661	2.76689	0.0549171	0.18833153	3.0143062	21	6 5.8	19.6
165821 2001 RK_{112}	15.1	X	125.23405	79.41402	354.27985	10.79899	0.0631945	0.17752263	3.1354525	21	3 27.4	19.5
165822 2001 RO_{112}	14.8	X	37.27669	330.54187	165.13077	16.17196	0.0462455	0.17426830	3.1743669	21	2 18.2	19.1
165823 2001 RJ_{113}	15.2	X	155.38825	284.31635	115.33908	2.12234	0.2022512	0.17609334	3.1523959	21	4 1.9	20.4
165824 2001 RY_{114}	14.9	X	183.11315	356.37620	356.69979	13.20728	0.0641237	0.17522616	3.1627880	21	2 27.1	19.6
165825 2001 RS_{117}	15.4	X	46.81360	328.76984	2.75968	1.87946	0.0671942	0.20317750	2.8656225	21	11 14.9	19.2
165826 2001 RU_{117}	16.0	X	300.04131	182.71095	134.32191	1.26878	0.0848110	0.18700195	3.0285770	21	5 20.6	20.0
165827 2001 RX_{118}	15.3	X	268.16358	275.67728	87.56676	2.74461	0.0626442	0.18802972	3.0175308	21	6 10.8	19.5
165828 2001 RK_{123}	14.8	X	203.68817	332.58010	0.99307	5.34726	0.1643242	0.17584747	3.1553338	21	2 23.8	20.1
165829 2001 RO_{127}	15.3	X	114.92348	313.30967	99.00419	3.30318	0.1546484	0.17173518	3.2055056	21	3 5.4	20.0
165830 2001 RV_{128}	15.8	X	178.11400	340.65615	53.33867	3.20610	0.1834344	0.17823294	3.1271165	21	4 12.9	21.0
165831 2001 RD_{131}	15.5	X	227.30734	318.94349	82.01673	2.48868	0.0183616	0.18676224	3.0311680	21	6 14.0	19.9
165832 2001 RH_{131}	14.8	X	60.85260	146.95388	17.46097	6.72096	0.1220139	0.18029339	3.1032458	21	5 5.6	18.9
165833 2001 RY_{134}	15.5	X	150.23092	263.06578	91.44676	5.59593	0.1459846	0.17008828	3.2261642	21	1 31.9	20.5
165834 2001 RW_{135}	14.6	X	120.18721	101.97863	28.47240	8.31131	0.0914504	0.18267952	3.0761640	21	6 3.6	19.2
165835 2001 RD_{138}	15.0	X	342.74105	204.22495	356.81585	17.34560	0.1371625	0.17717332	3.1395724	21	2 21.3	19.0
165836 2001 RJ_{140}	15.1	X	152.43560	347.34174	41.66334	5.71261	0.1988544	0.17378585	3.1802391	21	3 19.2	20.3
165837 2001 RO_{141}	14.9	X	190.18025	285.77043	54.68048	8.07722	0.0801551	0.17282769	3.1919825	21	2 21.3	19.9
165838 2001 RA_{143}	14.7	X	323.65433	60.48433	201.46552	21.07486	0.0526128	0.18194680	3.0844171	21	4 16.7	18.7
165839 2001 RW_{144}	14.9	X	219.41086	47.79484	244.26963	10.23439	0.1547545	0.17529548	3.1619541	21	1 17.5	20.2
165840 2001 RQ_{146}	14.7	X	98.62058	119.19890	323.00593	20.10500	0.0670712	0.17533116	3.1615252	21	3 2.7	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
165841 2001 RC_{147}	14.6	X	229.29249	88.94852	241.24991	14.04026	0.0235056	0.17893344	3.1189497	21	3 13.9	19.4
165842 2001 RE_{153}	15.0	X	179.29442	252.60954	110.55378	6.34883	0.1996595	0.17545447	3.1600437	21	3 11.6	20.3
165843 2001 RB_{154}	14.9	X	223.86450	126.82495	229.65687	9.07568	0.0675786	0.18200876	3.0837171	21	4 9.7	19.6
165844 2001 SB_{6}	15.7	X	183.11793	253.42339	148.12429	1.53454	0.1983358	0.18060737	3.0996481	21	4 25.8	21.0
165845 2001 SP_{10}	15.0	X	300.11659	116.74604	154.91869	19.08275	0.0392191	0.18131317	3.0915989	21	4 3.6	19.5
165846 2001 SE_{11}	15.0	X	217.03250	168.69292	216.95385	9.80054	0.1112121	0.18347339	3.0672840	21	5 8.0	19.7
165847 2001 SE_{12}	15.7	X	146.66158	337.43449	51.16195	1.80331	0.2209386	0.17504958	3.1649147	21	3 13.9	20.9
165848 2001 SV_{13}	14.6	X	178.23771	3.81060	1.91587	10.92172	0.1677336	0.17565232	3.1576704	21	3 11.6	19.7
165849 2001 SD_{16}	15.0	X	187.28207	170.45410	172.13778	6.16571	0.1259165	0.17381656	3.1798645	21	2 17.5	20.0
165850 2001 SK_{16}	15.4	X	119.67642	343.87169	42.85972	1.31343	0.1547650	0.16928382	3.2363768	21	2 7.9	20.0
165851 2001 SP_{18}	15.3	X	254.78966	309.44552	17.54410	4.98956	0.1503126	0.18151989	3.0892513	21	4 1.6	20.1
165852 2001 SG_{19}	14.6	X	237.43595	340.47555	0.64764	15.81934	0.0501417	0.18055185	3.1002835	21	4 5.9	19.3
165853 2001 SD_{20}	14.9	X	220.56480	348.29637	17.51718	9.45204	0.0698970	0.18150965	3.0893674	21	4 18.2	19.5
165854 2001 SQ_{23}	15.1	X	278.12374	262.68935	5.81088	4.79717	0.1260501	0.17646474	3.1479712	21	2 19.4	19.7
165855 2001 SH_{24}	15.2	X	161.74514	32.85710	300.57307	0.84927	0.1398177	0.16865998	3.2443524	21	1 17.3	20.1
165856 2001 SP_{30}	14.9	X	151.91998	19.46722	15.71566	13.46194	0.0625366	0.17388436	3.1790379	21	3 16.3	19.7
165857 2001 SF_{34}	14.9	X	130.67353	284.91822	187.89578	14.84314	0.2127127	0.17785811	3.1315086	21	6 6.9	20.2
165858 2001 SX_{35}	15.1	X	140.13815	12.32123	27.78774	5.97560	0.1686308	0.17204957	3.2015994	21	3 18.4	20.0
165859 2001 SD_{40}	15.1	X	155.10514	206.94657	169.82075	13.13087	0.1086899	0.17130148	3.2109138	21	2 25.9	20.0
165860 2001 SB_{43}	15.0	X	206.36814	323.64191	10.17157	18.05591	0.2171457	0.17589243	3.1547960	21	3 2.9	20.5
165861 2001 SM_{45}	14.8	X	229.36811	135.70999	169.00728	16.38840	0.1245369	0.17414770	3.1758323	21	2 11.2	20.0
165862 2001 SF_{78}	15.1	X	64.55677	145.12710	0.54649	13.39708	0.1256852	0.17769442	3.1334314	21	4 15.0	19.3
165863 2001 SF_{80}	15.1	X	138.92059	92.86198	320.85134	12.27756	0.2927055	0.17550921	3.1593867	21	4 4.2	20.7
165864 2001 SW_{86}	15.1	X	66.88713	291.58294	174.14487	9.66877	0.0679805	0.17476015	3.1684081	21	2 23.0	19.4
165865 2001 SK_{88}	15.1	X	154.11406	265.94074	173.49492	16.42540	0.2551765	0.17934934	3.1141261	21	5 21.8	20.7
165866 2001 SL_{89}	15.4	X	250.90132	51.26123	187.48901	13.12387	0.1168629	0.17016965	3.2251356	21	—	—
165867 2001 SQ_{91}	15.5	X	303.21314	50.66162	207.58369	5.02949	0.0903959	0.17946499	3.1127881	21	3 9.5	19.8
165868 2001 SO_{95}	15.0	X	259.30290	286.72711	335.37503	4.41458	0.1445648	0.17418719	3.1753522	21	1 22.2	20.0
165869 2001 ST_{101}	14.9	X	88.71712	99.24006	343.51798	8.75624	0.0951441	0.17075183	3.2178006	21	3 1.4	19.2
165870 2001 SY_{121}	15.1	X	300.55115	59.96237	200.45214	13.51914	0.1024521	0.17904901	3.1176074	21	3 5.8	19.7
165871 2001 SE_{124}	15.0	X	121.87918	152.59920	227.48225	4.69779	0.1236331	0.16999158	3.2273875	21	1 27.6	19.7
165872 2001 SW_{125}	15.6	X	211.37071	64.95405	322.97019	2.98893	0.1451572	0.18281596	3.0746332	21	5 2.4	20.6
165873 2001 SK_{126}	15.2	X	140.71157	90.61037	324.63747	4.14402	0.1844557	0.17530710	3.1618145	21	4 3.4	20.3
165874 2001 SP_{128}	15.7	X	3.43555	167.65104	274.75609	3.04262	0.0790821	0.21089985	2.7952363	21	—	—
165875 2001 SK_{129}	17.2	X	103.43386	132.47331	248.45851	2.51178	0.1264498	0.31534603	2.1376887	21	—	—
165876 2001 SZ_{129}	15.1	X	192.53519	31.43435	350.68544	11.07952	0.0891565	0.17902039	3.1179397	21	4 6.4	19.9
165877 2001 SH_{137}	14.7	X	234.54181	159.15623	190.85357	13.42590	0.1608175	0.18092534	3.0960154	21	4 9.4	19.6
165878 2001 SS_{137}	15.2	X	183.94102	25.15142	4.27885	10.99133	0.0959594	0.17793888	3.1305608	21	4 8.2	20.0
165879 2001 SQ_{140}	14.9	X	170.25500	17.38925	2.86220	9.11603	0.0875095	0.17459331	3.1704262	21	3 16.9	19.8
165880 2001 SF_{143}	15.3	X	138.66145	198.24678	228.22918	4.50499	0.1902681	0.17551631	3.1593014	21	4 16.2	20.2
165881 2001 SX_{153}	15.0	X	28.52461	157.96008	13.52898	7.87139	0.0924470	0.17429150	3.1740851	21	3 26.0	19.0
165882 2001 SC_{154}	14.8	X	213.34861	315.25046	13.16558	10.23051	0.2009989	0.17525232	3.1624732	21	2 27.5	20.2
165883 2001 ST_{164}	14.7	X	138.43669	44.70834	24.57083	11.92466	0.1857296	0.17321895	3.1871741	21	4 19.2	19.7
165884 2001 SO_{165}	15.3	X	250.99935	55.60426	294.30124	3.00472	0.0750980	0.18435396	3.0575090	21	5 1.5	19.8
165885 2001 SP_{165}	14.9	X	241.71284	74.98199	197.41858	5.50979	0.1266530	0.17325589	3.1867210	21	1 17.2	19.9
165886 2001 SY_{184}	16.0	X	206.11937	312.56732	27.32352	0.48456	0.1603986	0.17776766	3.1325707	21	3 3.8	21.2
165887 2001 SH_{186}	16.1	X	171.37175	315.88156	29.76815	0.78770	0.1592628	0.17331976	3.1859381	21	2 9.6	21.2
165888 2001 SJ_{196}	15.8	X	301.32183	83.45595	164.45602	0.39245	0.1105283	0.17769484	3.1334264	21	2 21.5	20.2
165889 2001 SY_{197}	14.9	X	148.54122	75.10716	4.57629	9.11055	0.0720117	0.18062269	3.0994729	21	4 29.8	19.6
165890 2001 SW_{198}	15.6	X	303.24905	199.02977	84.31709	2.24853	0.1291110	0.18326453	3.0696141	21	4 6.2	19.7
165891 2001 SH_{199}	15.2	X	109.44410	266.51949	146.04727	3.40332	0.1593167	0.17068488	3.2186421	21	2 27.2	19.7
165892 2001 SP_{199}	15.0	X	310.83523	89.65836	152.72964	5.08830	0.0703689	0.17755921	3.1350219	21	3 4.7	19.4
165893 2001 SF_{201}	15.1	X	280.97936	270.97617	12.69665	16.46355	0.1103560	0.18041942	3.1018005	21	3 16.4	19.7
165894 2001 SJ_{202}	15.8	X	212.50621	309.83601	347.81637	0.17778	0.1225092	0.17176760	3.2051022	21	1 21.1	20.9
165895 2001 SU_{217}	15.5	X	49.31105	323.07410	168.65472	9.94736	0.0643032	0.17442418	3.1724754	21	3 3.6	19.7
165896 2001 SZ_{223}	15.2	X	114.91893	62.90334	23.47456	9.36510	0.0747656	0.17510776	3.1642136	21	4 4.2	19.8
165897 2001 SA_{235}	15.0	X	189.79206	318.90413	26.72100	18.52986	0.1508642	0.17376881	3.1804470	21	3 5.3	20.4
165898 2001 ST_{250}	15.3	X	136.14518	240.23915	166.11656	5.84735	0.1224495	0.17099229	3.2147833	21	3 16.1	20.2
165899 2001 SA_{292}	13.9	X	92.52324	157.65975	282.15831	17.96413	0.1332775	0.17099221	3.2147843	21	2 26.3	18.6
165900 2001 SB_{294}	15.3	X	87.14634	75.76573	32.65810	4.81143	0.1337493	0.17378118	3.1802961	21	4 5.5	19.7
165901 2001 SZ_{303}	15.3	X	26.64960	213.41039	347.30500	4.77991	0.0642343	0.18006931	3.1058197	21	4 25.5	19.5
165902 2001 SQ_{307}	14.9	X	250.20277	270.31481	19.39032	16.24234	0.0921489	0.17515124	3.1636899	21	2 24.7	19.9
165903 2001 SS_{307}	15.1	X	169.45148	266.66722	62.73013	5.15243	0.1121386	0.16880737	3.2424636	21	1 18.8	20.1
165904 2001 SJ_{311}	14.8	X	231.23136	278.35726	26.15780	15.88511	0.0573982	0.17429294	3.1740677	21	2 25.2	19.8
165905 2001 ST_{314}	15.0	X	355.74999	190.62993	352.30264	4.97708	0.1101192	0.17257839	3.1950558	21	2 17.9	18.9
165906 2001 SM_{323}	15.2	X	144.23818	241.75754	224.35904	15.23212	0.2097872	0.17951516	3.1122081	21	6 9.3	20.5
165907 2001 SC_{329}	15.1	X	57.23891	326.87454	156.55737	10.11698	0.0468108	0.17645842	3.1480464	21	3 3.0	19.3
165908 2001 SH_{334}	14.7	X	221.39211	72.95348	314.26447	10.72065	0.3178331	0.18065941	3.0990530	21	4 30.3	20.5
165909 2001 SN_{344}	14.7	X	87.84628	196.05612	257.73529	8.47977	0.1078871	0.17369333	3.1813683	21	3 10.4	19.2
165910 2001 TG_{5}	14.8	X	228.73266	201.16286	84.09209	6.40784	0.1431056	0.17323871	3.1869316	21	1 21.4	19.9
165911 2001 TD_{7}	14.2	X	156.33256	67.83105	47.95217	26.90145	0.2049237	0.18009385	3.1055376	21	6 28.6	19.8
165912 2001 TE_{7}	14.0	X	39.89786	318.23034	211.20088	27.27853	0.2184893	0.17415867	3.1756988	21	4 21.2	17.4
165913 2001 TF_{8}	14.5	X	142.58035	144.36352	247.11120	14.16751	0.2356872	0.16929166	3.2362769	21	3 8.5	20.0
165914 2001 TE_{31}	14.6	X	352.70677	182.27790	278.21167	8.13457	0.1401547	0.15521477	3.4291043	21	—	—
165915 2001 TK_{54}	15.1	X	232.99159	70.71678	227.25079	8.25547	0.0638459	0.17417330	3.1755211	21	2 8.4	20.0
165916 2001 TD_{55}	15.1	X	188.16200	182.83312	215.52783	9.31164	0.0675362	0.17985032	3.1083404	21	4 24.4	19.8
165917 2001 TT_{64}	14.6	X	238.18282	87.59772	205.92431	19.53800	0.0942168	0.17061756	3.2194887	21	2 5.4	19.9
165918 2001 TA_{122}	14.7	X	124.32654	103.55445	294.22764	17.46660	0.1606499	0.16986069	3.2290452	21	2 19.1	19.8
165919 2001 TL_{125}	14.6	X	224.50565	125.32560	238.71664	14.04469	0.2620885	0.18029052	3.1032787	21	4 8.9	20.2
165920 2001 TL_{129}	15.6	X	255.62023	348.99615	324.61289	0.95547	0.0948045	0.17836061	3.1256242	21	3 22.5	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
165921 2001 TQ_{132}	14.3	X	126.48552	97.80319	219.53532	14.97764	0.0953419	0.16087981	3.3481252	21	—	—
165922 2001 TK_{144}	14.9	X	36.90030	196.71892	49.05033	12.20826	0.1637335	0.18841336	3.0134333	21	7 26.6	18.7
165923 2001 TM_{144}	15.0	X	182.23551	199.06472	119.53424	6.29298	0.1232689	0.16846651	3.2468359	21	1 18.1	20.0
165924 2001 TG_{147}	14.8	X	145.16574	342.36942	55.92609	12.03858	0.0991296	0.17230814	3.1983957	21	3 19.2	19.8
165925 2001 TQ_{162}	15.3	X	126.88276	71.24799	9.50196	10.74275	0.1888325	0.17412379	3.1761229	21	4 20.5	20.3
165926 2001 TG_{164}	15.3	X	197.39892	348.07137	33.09811	3.80606	0.0353723	0.17622338	3.1508449	21	4 14.2	19.9
165927 2001 TA_{178}	15.3	X	241.44672	106.46712	222.14157	8.43082	0.1541611	0.17821796	3.1272918	21	3 19.0	20.3
165928 2001 TS_{196}	14.3	X	60.40034	290.85171	74.21226	16.34514	0.1834012	0.15614361	3.4154918	21	—	—
165929 2001 TC_{211}	14.2	X	88.96707	233.40585	253.61101	12.62294	0.2458291	0.17532016	3.1616574	21	5 15.6	18.8
165930 2001 TV_{211}	15.1	X	172.69252	238.35516	212.44143	6.06774	0.0868496	0.18666716	3.0321972	21	6 12.2	19.8
165931 2001 TF_{212}	14.7	X	90.68157	212.38630	285.78767	9.65242	0.0467962	0.17954117	3.1119076	21	4 30.2	19.2
165932 2001 TB_{226}	14.4	X	162.48526	192.23850	153.34766	23.70115	0.1917676	0.17064994	3.2190814	21	2 3.1	19.8
165933 2001 UJ_{14}	17.4	X	233.70720	234.56092	61.40781	3.13636	0.0414411	0.31979488	2.1178168	21	1 16.0	19.8
165934 2001 UY_{21}	14.8	X	146.39939	131.53362	269.34010	8.17245	0.0760847	0.17433205	3.1735930	21	3 10.8	19.7
165935 2001 UU_{22}	15.3	X	250.63856	88.20174	243.42207	12.41499	0.1798705	0.18093822	3.0958685	21	3 26.9	20.5
165936 2001 UK_{30}	14.8	X	138.21428	17.87605	48.52734	18.84415	0.1738394	0.17370641	3.1812086	21	4 19.7	19.9
165937 2001 UV_{31}	14.6	X	279.11829	217.41962	32.92674	27.32235	0.1353253	0.17151216	3.2082837	21	2 10.2	19.9
165938 2001 UP_{40}	15.2	X	141.15327	34.83917	41.69162	10.05166	0.0749723	0.17523793	3.1626464	21	4 22.1	19.9
165939 2001 UN_{98}	15.1	X	51.20710	323.29408	50.96698	10.54409	0.1113146	0.15504608	3.4315911	21	—	—
165940 2001 UN_{103}	14.8	X	270.54610	224.83638	31.95952	27.58096	0.1805023	0.17188673	3.2036211	21	2 2.6	20.3
165941 2001 UK_{110}	15.5	X	262.55274	234.49703	50.47293	8.03771	0.1947121	0.17506832	3.1646887	21	2 18.8	20.6
165942 2001 UB_{125}	14.6	X	89.27092	349.47957	116.08407	12.67362	0.0951757	0.17116374	3.2126362	21	4 4.6	19.2
165943 2001 UD_{147}	15.4	X	212.20694	126.45262	176.79317	4.02808	0.0772312	0.16835690	3.2482449	21	1 27.2	20.3
165944 2001 UV_{155}	14.5	X	256.65671	234.24615	50.22026	14.17161	0.0675332	0.16923262	3.2370295	21	2 28.5	19.5
165945 2001 UQ_{169}	14.9	X	70.02991	133.30864	28.68766	18.66168	0.1497225	0.17706714	3.1408274	21	5 16.9	19.2
165946 2001 UL_{197}	15.3	X	238.44970	335.57155	318.44759	4.02515	0.1437006	0.17481187	3.1677831	21	2 7.9	20.3
165947 2001 VD_{117}	16.9	X	337.39332	263.94015	270.01435	5.87507	0.0484461	0.31212186	2.1523848	21	—	—
165948 2001 VG_{126}	17.2	X	113.51925	184.01412	113.17622	1.78084	0.0450573	0.30124952	2.2038658	21	—	—
165949 2001 WY_{1}	14.7	X	155.00765	179.61402	201.85639	31.95742	0.2639653	0.17636651	3.1491400	21	3 11.3	20.4
165950 2001 WG_{5}	17.7	X	104.92056	118.51881	225.95313	1.97639	0.1137012	0.30759224	2.1734641	21	—	—
165951 2001 WK_{69}	15.4	X	203.31007	114.73392	213.60427	4.57448	0.1375690	0.17007010	3.2263941	21	2 15.3	20.6
165952 2001 WN_{92}	15.7	X	198.97326	104.00539	225.47256	4.22900	0.1307566	0.16989195	3.2286491	21	2 12.8	21.0
165953 2001 XT_{18}	16.5	X	321.37987	154.67688	297.06618	8.31876	0.0574195	0.29746832	2.2225024	21	—	—
165954 2001 XP_{46}	16.2	X	65.84199	332.80737	41.51916	7.25825	0.1627677	0.30165195	2.2019052	21	—	—
165955 2001 XO_{62}	16.7	X	311.65824	337.81403	127.72741	4.73736	0.0690608	0.29593200	2.2301878	21	—	—
165956 2001 XM_{68}	15.9	X	341.57457	14.55517	62.73091	8.34420	0.1473160	0.29622760	2.2287039	21	—	—
165957 2001 XT_{87}	16.8	X	76.19469	358.30896	35.95668	6.08243	0.1355656	0.30477040	2.1868594	21	—	—
165958 2001 XR_{103}	17.2	X	156.04422	241.44972	112.13174	0.59762	0.1328244	0.31332465	2.1468729	21	1 8.8	19.6
165959 2001 XK_{111}	16.6	X	200.66332	123.41585	114.54868	5.08243	0.0301974	0.30116266	2.2042895	21	—	—
165960 2001 XR_{157}	15.4	X	173.03029	356.54898	116.06251	6.61048	0.1336738	0.17757497	3.1348364	21	7 10.2	20.4
165961 2001 XV_{164}	16.7	X	222.44609	169.19546	87.18479	5.15071	0.1238707	0.30663281	2.1779954	21	—	—
165962 2001 XM_{168}	16.6	X	282.83384	33.47282	175.99827	2.64671	0.1270017	0.30675559	2.1774143	21	—	—
165963 2001 XS_{168}	17.3	X	339.00818	254.78875	241.39809	4.17545	0.0636419	0.30544592	2.1836339	21	—	—
165964 2001 XT_{173}	17.4	X	232.13100	294.73271	212.61757	0.90519	0.1376311	0.29030274	2.2589258	21	11 1.2	20.3
165965 2001 XT_{184}	16.7	X	330.89885	156.87885	284.05633	3.58639	0.0651462	0.29576218	2.2310414	21	—	—
165966 2001 XP_{190}	17.2	X	309.54982	220.99098	244.91201	4.80477	0.0719031	0.29570300	2.2313390	21	—	—
165967 2001 XN_{199}	16.6	X	227.38957	121.74578	56.01927	6.12520	0.1648826	0.29129386	2.2537989	21	12 2.3	19.2
165968 2001 XB_{210}	16.5	X	301.71264	14.36253	145.69669	4.74783	0.0685240	0.30380049	2.1915114	21	—	—
165969 2001 XN_{213}	15.9	X	0.69369	23.87969	146.93566	6.62097	0.2284612	0.25964718	2.4334008	21	—	—
165970 2001 XH_{232}	16.9	X	270.73291	85.03783	51.88777	3.05689	0.0454103	0.29770247	2.2213369	21	12 29.0	19.3
165971 2001 XL_{237}	16.7	X	355.35004	93.74982	295.39332	4.40417	0.0716742	0.29655690	2.2270537	21	12 8.9	19.0
165972 2001 XE_{242}	16.8	X	139.97851	194.57893	80.14979	6.83366	0.1028389	0.29966683	2.2116187	21	—	—
165973 2001 XT_{251}	16.3	X	162.02699	112.70870	94.89817	5.63252	0.0955149	0.29061227	2.2573215	21	11 6.8	19.4
165974 2001 XP_{260}	17.0	X	233.80849	330.24154	358.02291	3.59324	0.1637227	0.32222193	2.1071688	21	2 26.5	19.9
165975 2001 YH_{4}	15.8	X	132.48155	148.32500	35.64903	7.14505	0.1227493	0.27280569	2.3545094	21	9 4.9	19.3
165976 2001 YP_{27}	16.4	X	197.08053	135.67094	75.57418	4.33270	0.0876239	0.29678275	2.2259237	21	12 21.8	19.3
165977 2001 YO_{31}	17.1	X	20.95600	128.19780	257.77104	2.91848	0.0755743	0.29926837	2.2135815	21	—	—
165978 2001 YL_{85}	17.2	X	291.27292	104.42742	340.23072	2.29074	0.1240729	0.29082523	2.2562194	21	11 4.5	19.1
165979 2001 YR_{88}	16.3	X	114.84605	159.30675	82.17453	8.27225	0.0400149	0.28721783	2.2750719	21	10 27.7	19.2
165980 2001 YZ_{89}	17.6	X	73.78852	69.62903	356.18465	1.89858	0.0997247	0.30836922	2.1698116	21	—	—
165981 2001 YR_{90}	16.2	X	265.29649	25.72677	81.20458	7.86943	0.0498178	0.28943705	2.2634277	21	11 7.9	18.8
165982 2001 YM_{96}	16.4	X	268.71592	188.91635	341.03690	5.69970	0.1026502	0.29737452	2.2229697	21	—	—
165983 2001 YY_{99}	17.1	X	272.38374	86.12316	108.88720	1.80165	0.0675137	0.30432781	2.1889792	21	—	—
165984 2001 YK_{109}	16.5	X	110.18973	18.20094	138.67194	3.89321	0.0925009	0.27559135	2.3386164	21	6 25.9	19.4
165985 2001 YR_{114}	16.7	X	334.60566	74.60473	54.54885	6.77433	0.0735526	0.30218199	2.1993297	21	—	—
165986 2001 YZ_{116}	16.6	X	318.66517	67.68800	40.67189	2.81000	0.0781282	0.29715211	2.2240788	21	—	—
165987 2001 YJ_{127}	16.7	X	20.25179	29.00971	357.64050	3.81301	0.0318413	0.29667459	2.2264647	21	—	—
165988 2001 YQ_{138}	16.6	X	165.16902	98.10964	109.89480	4.69004	0.0628146	0.28807286	2.2705679	21	11 11.7	19.7
165989 2001 YE_{139}	16.7	X	278.26117	348.97564	134.97001	5.84932	0.0808991	0.29295755	2.2452580	21	12 17.5	19.0
165990 2001 YO_{148}	17.7	X	33.15039	162.70836	273.14181	1.89711	0.0790395	0.30683695	2.1770293	21	—	—
165991 2001 YL_{149}	14.3	X	246.42295	208.34623	333.16037	9.01745	0.0204712	0.14785648	3.5419504	21	12 23.2	19.4
165992 2001 YY_{156}	16.4	X	351.66338	51.77710	291.99881	4.50904	0.1930617	0.28574564	2.2828794	21	9 29.5	18.0
165993 2002 AN_{6}	16.8	X	295.61805	163.39218	296.51520	4.84816	0.0378185	0.29225260	2.2488671	21	12 13.4	19.1
165994 2002 AO_{20}	16.2	X	117.81554	14.94586	151.58810	8.33877	0.1715462	0.27430058	2.3459472	21	7 27.3	19.6
165995 2002 AS_{23}	16.8	X	146.12308	230.34197	136.02992	6.22774	0.2065669	0.31306133	2.1480766	21	1 24.0	19.5
165996 2002 AH_{30}	16.6	X	110.34596	125.72550	121.64818	3.78806	0.1111406	0.28676874	2.2774465	21	11 2.6	19.7
165997 2002 AP_{31}	15.8	X	96.44849	118.46218	115.58857	10.44847	0.1703169	0.28353286	2.2947416	21	10 9.7	19.3
165998 2002 AH_{34}	16.6	X	87.49083	8.18620	221.59134	3.93745	0.2127543	0.27541808	2.3395972	21	9 21.7	20.1
165999 2002 AR_{45}	17.2	X	244.60181	235.96808	236.39241	1.25624	0.0290849	0.28732931	2.2744834	21	10 16.6	19.8
166000 2002 AO_{47}	16.8	X	278.93461	22.13793	145.69646	3.02301	0.0776863	0.29878325	2.2159768	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166001 2002 AV_{51}	16.7	X	284.49752	204.71670	258.73663	0.88186	0.0656708	0.29097056	2.2554681	21	11 28.5	19.0
166002 2002 AW_{58}	16.5	X	218.15085	325.73901	141.35841	5.86004	0.1429565	0.28144134	2.3060964	21	8 20.1	19.8
166003 2002 AD_{64}	15.9	X	101.34546	237.68615	323.59494	8.79538	0.1550577	0.27291121	2.3539025	21	8 23.6	19.3
166004 2002 AA_{67}	14.4	X	355.74144	164.75400	130.77886	22.51384	0.0507350	0.17503739	3.1650616	21	7 15.6	18.6
166005 2002 AL_{72}	16.8	X	197.41648	230.16496	300.57197	4.12119	0.0708909	0.28931786	2.2640493	21	10 27.4	19.8
166006 2002 AH_{91}	16.9	X	88.88320	20.70321	165.79765	3.04828	0.1698005	0.27310466	2.3527907	21	7 21.0	19.9
166007 2002 AY_{108}	16.3	X	35.92601	205.63273	328.23459	4.30898	0.1349293	0.26391584	2.4070905	21	3 25.4	18.6
166008 2002 AL_{112}	16.8	X	233.32759	154.57901	310.94763	1.21801	0.1493702	0.28363504	2.2941904	21	9 3.3	19.6
166009 2002 AS_{114}	17.2	X	194.24464	129.52667	67.03434	1.71250	0.1272080	0.28915474	2.2649008	21	11 23.2	20.1
166010 2002 AL_{115}	16.5	X	72.02627	217.07261	325.89929	2.81265	0.1194097	0.26976802	2.3721514	21	6 13.3	19.2
166011 2002 AS_{119}	16.7	X	111.84317	196.62359	350.50673	2.49132	0.1704345	0.27491266	2.3424638	21	8 19.1	20.0
166012 2002 AU_{125}	16.1	X	86.45341	169.88381	322.94844	5.99057	0.0820767	0.26474253	2.4020769	21	4 14.3	19.1
166013 2002 AD_{128}	17.1	X	220.46907	15.44347	130.53253	0.76935	0.1377244	0.28564381	2.2834219	21	10 15.7	20.0
166014 2002 AQ_{138}	16.8	X	146.51335	35.12750	283.55644	1.16675	0.1479271	0.30406913	2.1902204	21	—	—
166015 2002 AD_{143}	16.9	X	75.02352	104.47531	230.74222	3.39320	0.1354230	0.29647320	2.2274729	21	—	—
166016 2002 AO_{143}	17.0	X	8.50472	88.05580	155.46607	2.40671	0.1527313	0.27058228	2.3673900	21	5 19.5	18.8
166017 2002 AJ_{152}	16.5	X	45.83153	191.81177	4.69458	2.41191	0.1503420	0.26638132	2.3922150	21	5 23.1	18.7
166018 2002 AN_{154}	16.6	X	216.95163	80.44551	5.82567	3.94841	0.0947893	0.27741395	2.3283621	21	7 26.3	19.7
166019 2002 AN_{160}	16.7	X	189.39742	262.25151	245.68667	2.07056	0.1985618	0.28135967	2.3065426	21	9 9.1	20.4
166020 2002 AZ_{162}	16.4	X	30.43412	150.19441	280.64387	4.01470	0.1159861	0.30110592	2.2045664	21	—	—
166021 2002 AN_{163}	16.6	X	351.64940	283.82109	139.11132	6.74402	0.0672004	0.29382333	2.2408452	21	—	—
166022 2002 AT_{163}	16.9	X	228.56617	272.17989	224.42683	1.01706	0.0427693	0.28571066	2.2830657	21	10 26.1	19.5
166023 2002 AB_{171}	16.8	X	344.50853	267.13095	310.21501	1.04472	0.1540334	0.26219134	2.4176336	21	2 19.5	19.3
166024 2002 AZ_{176}	16.9	X	102.98992	159.27928	119.91844	4.92948	0.0184393	0.28872075	2.2671698	21	11 28.9	19.7
166025 2002 AE_{192}	17.0	X	342.52660	221.30684	177.57802	3.39441	0.0432186	0.28970302	2.2620422	21	11 29.1	19.5
166026 2002 AF_{192}	16.6	X	95.45983	343.98780	202.09366	3.82306	0.1781558	0.27239816	2.3568572	21	7 29.1	19.8
166027 2002 AV_{202}	17.1	X	124.92768	56.76845	163.18572	3.45712	0.1094894	0.28183168	2.3039666	21	10 12.1	20.4
166028 2002 AR_{204}	16.9	X	325.96403	344.39421	286.64681	2.59169	0.1487180	0.26739441	2.3861688	21	4 5.9	19.7
166029 2002 BN_{8}	16.4	X	315.69223	149.31600	310.43141	2.99128	0.0974883	0.29396810	2.2401095	21	—	—
166030 2002 BJ_{10}	16.3	X	27.85265	87.17601	349.67601	5.71228	0.1137223	0.30030814	2.2084690	21	—	—
166031 2002 BP_{12}	17.2	X	283.85223	353.19244	105.30370	1.18052	0.0330255	0.28987023	2.2611722	21	11 23.7	19.5
166032 2002 BA_{14}	16.3	X	134.05240	291.11487	308.32701	5.56512	0.1395362	0.28453767	2.2893360	21	11 14.2	19.8
166033 2002 BZ_{16}	16.2	X	61.23529	246.07007	184.84682	2.90163	0.1176567	0.30410078	2.1900685	21	—	—
166034 2002 BG_{17}	16.6	X	2.22892	113.67560	309.50730	4.74888	0.0964785	0.29472669	2.2362640	21	—	—
166035 2002 BC_{20}	16.8	X	267.75830	19.99568	155.40583	0.98694	0.0962563	0.29656422	2.2270171	21	—	—
166036 2002 BH_{23}	16.7	X	100.01106	136.15706	103.20922	7.27848	0.0651355	0.28310449	2.2970558	21	10 8.5	19.8
166037 2002 BR_{25}	16.5	X	210.60229	291.01481	269.77598	4.40748	0.1446003	0.28895342	2.2659526	21	12 15.2	19.3
166038 2002 BD_{31}	17.5	X	340.77979	303.83231	194.35155	2.96419	0.0764774	0.30236304	2.1984516	21	—	—
166039 2002 CZ_{2}	16.5	X	305.85945	159.53454	15.62912	5.22041	0.0482942	0.30203764	2.2000303	21	—	—
166040 2002 CE_{11}	16.7	X	84.92131	172.56768	10.98610	2.72789	0.1397474	0.26952632	2.3735694	21	7 7.7	19.5
166041 2002 CJ_{11}	16.2	X	180.99938	276.56736	282.04229	5.60671	0.1308885	0.28451443	2.2894607	21	11 9.0	19.6
166042 2002 CC_{12}	16.4	X	7.95889	7.57528	31.59302	6.22113	0.1716215	0.29491392	2.2353174	21	—	—
166043 2002 CN_{13}	16.9	X	236.66204	148.93478	316.43975	1.88022	0.0631775	0.28321525	2.2964569	21	9 19.1	19.7
166044 2002 CE_{14}	16.2	X	78.92276	56.78095	330.20444	25.13627	0.2664441	0.30217779	2.1993500	21	—	—
166045 2002 CJ_{17}	16.5	X	176.72457	289.80608	48.92388	3.05142	0.2025859	0.31058411	2.1594835	21	1 21.3	19.6
166046 2002 CL_{18}	15.5	X	115.63469	229.98556	9.22031	12.07874	0.2011003	0.28114791	2.3077007	21	10 28.2	19.3
166047 2002 CC_{21}	16.2	X	34.24771	22.53655	196.81835	6.87533	0.1738416	0.26586858	2.3952897	21	6 9.3	18.3
166048 2002 CH_{21}	16.5	X	35.27285	76.04040	152.76263	4.66656	0.1955009	0.26919748	2.3755019	21	6 29.8	18.5
166049 2002 CN_{21}	17.2	X	283.75147	297.88776	186.04854	0.51563	0.0895611	0.29278877	2.2461208	21	12 25.5	19.2
166050 2002 CJ_{27}	16.3	X	23.00986	196.11738	12.68958	4.99461	0.1793254	0.26576492	2.3959124	21	4 23.9	18.2
166051 2002 CM_{28}	16.7	X	80.09961	327.14243	54.51538	4.28526	0.1331834	0.30263438	2.1971373	21	—	—
166052 2002 CW_{32}	16.7	X	2.50654	319.63836	63.56764	5.42439	0.1250333	0.29077558	2.2564762	21	12 18.1	18.9
166053 2002 CH_{39}	16.4	X	214.93490	154.51546	326.58475	5.69579	0.0629030	0.28059716	2.3107194	21	9 11.4	19.5
166054 2002 CX_{48}	16.2	X	289.95301	226.16264	231.80732	4.79166	0.0846696	0.29022404	2.2593341	21	11 27.7	18.4
166055 2002 CL_{49}	16.3	X	15.78197	8.24237	254.22379	6.15432	0.0783630	0.27269635	2.3551388	21	7 1.4	18.7
166056 2002 CR_{49}	16.5	X	143.82518	355.90266	257.05119	6.40739	0.0791144	0.28930273	2.2641283	21	12 14.3	19.4
166057 2002 CO_{51}	16.6	X	46.63127	241.84474	333.18659	1.70101	0.1524851	0.26665039	2.3906054	21	6 24.3	19.0
166058 2002 CK_{52}	16.8	X	34.09485	229.75946	354.16033	1.56981	0.1711804	0.26599170	2.3945504	21	6 15.5	18.7
166059 2002 CZ_{52}	16.9	X	28.25754	29.04244	156.91522	5.08536	0.1441131	0.26413619	2.4057516	21	4 1.2	18.9
166060 2002 CE_{53}	15.8	X	229.04699	83.58976	158.59204	5.77459	0.1121824	0.24695779	2.5160594	21	—	—
166061 2002 CJ_{54}	16.7	X	110.47131	245.30973	316.96543	2.12672	0.1448208	0.27532673	2.3401146	21	9 3.4	19.8
166062 2002 CF_{60}	16.6	X	61.45265	221.41095	359.14433	4.03471	0.1281042	0.27381152	2.3487398	21	7 25.9	19.2
166063 2002 CT_{60}	16.4	X	172.49781	170.15154	72.27922	8.00592	0.0956276	0.29215973	2.2493437	21	—	—
166064 2002 CF_{62}	16.5	X	4.81458	326.49443	85.90486	8.71231	0.1686270	0.29566215	2.2315445	21	—	—
166065 2002 CU_{69}	16.9	X	25.97346	121.03426	114.19658	2.07105	0.1444618	0.26930157	2.3748898	21	6 13.4	19.0
166066 2002 CF_{75}	16.7	X	358.74965	116.69950	115.94633	3.54034	0.1177039	0.26485270	2.4014107	21	4 15.5	19.1
166067 2002 CK_{76}	17.0	X	24.59304	311.56746	126.48966	4.94466	0.0900379	0.30050273	2.2075155	21	—	—
166068 2002 CW_{76}	16.5	X	333.58584	216.89607	48.40285	2.16802	0.1468318	0.26565013	2.3966026	21	4 13.1	19.0
166069 2002 CJ_{79}	16.8	X	51.77696	224.73043	350.16432	1.85322	0.1315862	0.26926951	2.3750783	21	6 30.3	19.2
166070 2002 CC_{80}	16.7	X	192.69240	95.40943	98.58597	2.65763	0.1088653	0.28700934	2.2761735	21	11 20.1	19.9
166071 2002 CD_{80}	16.2	X	20.29851	191.00609	347.92212	6.13313	0.0716936	0.26102110	2.4248542	21	3 6.9	18.9
166072 2002 CT_{81}	16.9	X	45.96272	205.62043	39.03653	2.64903	0.0984253	0.27251668	2.3561738	21	7 31.6	19.4
166073 2002 CZ_{86}	16.6	X	62.23238	268.20572	1.09565	2.20431	0.1545972	0.27916668	2.3186062	21	10 8.9	19.5
166074 2002 CH_{93}	16.0	X	344.99972	332.12440	329.85708	6.53619	0.1940255	0.27216125	2.3582247	21	6 29.7	17.8
166075 2002 CX_{95}	17.1	X	351.74930	243.75714	341.65715	3.82717	0.1764305	0.26058065	2.4275859	21	3 12.9	19.4
166076 2002 CQ_{97}	16.0	X	0.73875	179.92692	13.49060	3.85362	0.0892444	0.25889863	2.4380890	21	2 23.7	18.7
166077 2002 CX_{100}	16.3	X	266.64120	137.68168	349.28501	4.71005	0.0691653	0.28822923	2.2697466	21	12 1.9	19.0
166078 2002 CS_{102}	16.1	X	323.26106	199.84871	352.63303	8.28471	0.1179962	0.25261018	2.4783852	21	—	—
166079 2002 CW_{102}	16.4	X	113.26173	216.04123	18.36972	3.01974	0.1980137	0.27805931	2.3247580	21	10 22.5	20.1
166080 2002 CX_{102}	16.7	X	108.13591	43.53075	109.58554	3.14841	0.1231526	0.26881279	2.3777677	21	6 22.4	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166081 2002 CR_{103}	16.9	X	353.31094	105.46156	124.65518	3.49512	0.1674249	0.26072633	2.4266816	21	3 26.8	19.2
166082 2002 CR_{106}	16.5	X	210.42366	332.64918	142.43630	4.06671	0.1337118	0.27823938	2.3237549	21	8 23.1	19.9
166083 2002 CF_{112}	16.3	X	159.68810	106.49747	72.18798	2.30906	0.1215141	0.27711422	2.3300407	21	9 24.6	19.6
166084 2002 CF_{117}	16.5	X	211.87061	114.06319	141.93737	6.55503	0.1969619	0.24618033	2.5213539	21	—	—
166085 2002 CU_{117}	16.9	X	8.22959	61.94682	164.69273	5.15124	0.1788119	0.26243869	2.4161143	21	4 21.7	18.8
166086 2002 CX_{117}	16.6	X	337.09674	273.67893	355.29730	2.09486	0.1597410	0.26356777	2.4092092	21	4 21.9	19.0
166087 2002 CR_{123}	16.8	X	353.82404	81.27736	161.27239	2.96598	0.1279821	0.26542292	2.3979701	21	4 19.3	19.0
166088 2002 CF_{125}	16.4	X	287.90560	210.97960	272.80765	1.61097	0.0586689	0.29200182	2.2501545	21	—	—
166089 2002 CH_{129}	16.7	X	212.57774	357.42350	177.50819	3.87604	0.0863459	0.28772614	2.2723916	21	11 21.7	19.7
166090 2002 CG_{130}	16.5	X	43.16154	344.88223	222.51935	0.63809	0.1192531	0.26690635	2.3890768	21	5 31.7	18.8
166091 2002 CV_{132}	16.7	X	30.23465	274.69121	340.69863	1.66037	0.1831109	0.26943840	2.3740857	21	7 31.8	18.7
166092 2002 CO_{137}	17.1	X	334.38485	204.51676	226.49765	3.87712	0.1441216	0.29423170	2.2387713	21	—	—
166093 2002 CV_{139}	17.6	X	358.07469	168.75256	280.35464	4.49858	0.1535465	0.29906236	2.2145979	21	—	—
166094 2002 CZ_{140}	16.7	X	257.84615	246.23229	272.31194	6.34914	0.0339223	0.29311993	2.2444287	21	—	—
166095 2002 CW_{142}	16.4	X	74.28410	333.74900	267.43711	4.50546	0.0877593	0.27899990	2.3195301	21	9 2.9	19.4
166096 2002 CJ_{144}	16.7	X	54.47299	41.81432	181.58698	2.47659	0.1129354	0.27030433	2.3690126	21	7 14.2	19.4
166097 2002 CU_{151}	16.7	X	304.76039	136.51887	118.18557	3.34130	0.1791074	0.25689941	2.4507216	21	2 12.0	20.0
166098 2002 CT_{153}	17.1	X	66.29222	242.37058	130.61693	5.03706	0.1620645	0.29957936	2.2120493	21	—	—
166099 2002 CJ_{156}	16.7	X	181.88035	140.12400	57.46057	3.90874	0.0504328	0.28808699	2.2704936	21	11 17.3	19.6
166100 2002 CK_{158}	17.1	X	1.55703	316.32433	127.45606	1.98313	0.1023007	0.29829475	2.2183955	21	—	—
166101 2002 CV_{159}	16.5	X	54.30799	287.71746	330.54413	6.25505	0.1195377	0.27941268	2.3172451	21	9 5.6	19.0
166102 2002 CF_{160}	16.5	X	200.59526	209.43730	348.39160	7.78397	0.0591049	0.29202590	2.2500308	21	12 9.9	19.5
166103 2002 CY_{168}	16.3	X	2.90852	305.82514	115.79314	7.98389	0.0745145	0.29376123	2.2411610	21	—	—
166104 2002 CZ_{168}	16.1	X	55.96206	228.79977	14.11625	7.28175	0.0659107	0.27359177	2.3499973	21	8 11.1	18.9
166105 2002 CX_{169}	16.3	X	251.12338	25.79469	119.75898	6.95043	0.0614330	0.28845629	2.2685553	21	12 8.1	18.9
166106 2002 CH_{170}	16.3	X	229.06607	179.89472	24.48815	4.95299	0.0867592	0.29239396	2.2481422	21	—	—
166107 2002 CV_{171}	17.0	X	93.77386	163.91160	37.29409	4.17097	0.1459509	0.27332761	2.3515112	21	8 16.1	20.1
166108 2002 CB_{174}	17.2	X	255.10394	27.84135	72.49093	2.87663	0.1013093	0.28486529	2.2875804	21	10 4.3	19.7
166109 2002 CQ_{179}	16.6	X	44.98188	161.22103	125.81412	4.30340	0.1561036	0.28075208	2.3098692	21	10 12.9	19.3
166110 2002 CQ_{184}	16.7	X	232.95334	281.81990	115.08266	2.79564	0.0410980	0.27319866	2.3522511	21	6 11.2	19.7
166111 2002 CE_{185}	17.2	X	76.06636	226.27219	344.91089	3.66933	0.1838587	0.27215616	2.3582541	21	8 11.7	20.2
166112 2002 CN_{195}	17.2	X	20.83421	269.16084	333.80634	1.16331	0.1648902	0.26856903	2.3792063	21	6 16.4	18.9
166113 2002 CG_{204}	16.6	X	318.48881	100.59603	137.41480	4.83590	0.1412925	0.25877514	2.4388645	21	2 12.3	19.7
166114 2002 CH_{205}	16.5	X	301.62258	331.86128	338.10588	5.22504	0.0782358	0.26827939	2.3809184	21	5 5.5	19.6
166115 2002 CO_{208}	13.8	X	223.68611	34.85066	132.65352	0.76844	0.1216007	0.08370689	5.1756145	21	10 24.1	20.9
166116 2002 CJ_{214}	17.2	X	50.81790	154.85156	52.18368	2.02239	0.1297653	0.26746680	2.3857382	21	6 15.7	19.4
166117 2002 CG_{215}	16.6	X	25.51370	61.28664	340.94439	5.30514	0.1301251	0.29477900	2.2359994	21	—	—
166118 2002 CU_{216}	16.8	X	288.58551	344.14804	71.59037	1.84893	0.1864771	0.28343782	2.2952545	21	9 6.1	18.9
166119 2002 CK_{220}	16.5	X	176.03963	125.98573	136.39910	4.84357	0.1490468	0.24032191	2.5621653	21	—	—
166120 2002 CO_{220}	16.8	X	27.24841	151.25177	71.28660	2.05717	0.1285044	0.26536938	2.3982927	21	5 25.2	19.1
166121 2002 CA_{221}	16.6	X	27.16569	241.27760	338.04775	6.13364	0.0818838	0.26565952	2.3965461	21	5 14.5	19.3
166122 2002 CO_{221}	16.8	X	269.59289	109.18683	356.98867	5.25456	0.1483210	0.28569510	2.2831486	21	10 23.8	19.1
166123 2002 CF_{223}	12.9	X	119.16264	310.16411	325.91612	4.52745	0.0692758	0.08431514	5.1506929	21	11 13.3	19.9
166124 2002 CW_{226}	16.6	X	147.07422	338.08986	282.26648	4.48841	0.1190781	0.29111606	2.2547165	21	12 26.5	19.8
166125 2002 CT_{227}	16.3	X	135.91814	302.80388	263.29398	5.53303	0.0622458	0.28148959	2.3058328	21	9 29.6	19.5
166126 2002 CT_{228}	16.5	X	210.31433	324.55737	203.09949	6.03194	0.0517759	0.28585592	2.2822922	21	11 13.2	19.2
166127 2002 CJ_{234}	16.3	X	352.26662	71.39582	181.63006	6.48535	0.0998586	0.25965142	2.4333743	21	5 6.5	18.8
166128 2002 CP_{236}	15.8	X	151.17271	86.72924	72.50800	5.66785	0.1619497	0.27345947	2.3507552	21	8 23.2	19.5
166129 2002 CR_{236}	15.8	X	112.49214	163.57608	44.19725	7.98933	0.1854147	0.27284241	2.3542982	21	9 20.5	19.5
166130 2002 CP_{242}	16.7	X	98.83439	292.25261	274.17193	4.98404	0.1626063	0.27364926	2.3496682	21	8 26.9	20.0
166131 2002 CS_{251}	16.4	X	274.13449	131.27106	40.55519	6.98162	0.0781860	0.29579564	2.2308731	21	—	—
166132 2002 CD_{253}	16.5	X	15.05219	92.97754	271.53247	3.55501	0.2152376	0.29169238	2.2517456	21	12 26.9	18.8
166133 2002 CO_{260}	16.8	X	256.12254	84.26188	188.30130	1.29633	0.1570153	0.25510040	2.4622300	21	1 17.2	20.5
166134 2002 CR_{261}	16.1	X	67.67563	5.62645	18.45570	6.64875	0.1119068	0.29877642	2.2160106	21	—	—
166135 2002 CJ_{286}	16.9	X	44.18290	248.90567	334.31724	0.30107	0.0989167	0.26895901	2.3769059	21	6 24.4	19.4
166136 2002 CN_{296}	13.2	X	137.32202	153.12242	113.40270	1.25204	0.0296268	0.08390655	5.1674008	21	11 19.8	20.2
166137 2002 CW_{298}	16.4	X	358.38044	77.16521	189.61431	2.12879	0.1666773	0.26804391	2.3823127	21	6 3.4	18.3
166138 2002 CZ_{311}	16.7	X	48.51513	357.74483	203.31099	5.79309	0.0827462	0.26649837	2.3915144	21	5 27.6	19.2
166139 2002 DZ	16.3	X	214.93320	70.25725	185.26259	13.03152	0.2352378	0.23915975	2.5704588	21	—	—
166140 2002 DR_{10}	16.5	X	49.28863	46.96327	190.85006	0.88176	0.1473656	0.27032562	2.3688883	21	8 2.5	19.0
166141 2002 DF_{15}	17.2	X	139.15339	353.67672	167.05223	10.24509	0.1423822	0.27493840	2.3423176	21	8 8.0	20.8
166142 2002 EZ	15.7	X	160.37008	150.42797	107.76682	20.61261	0.2964628	0.23723376	2.5843523	21	12 23.1	20.4
166143 2002 EC_{2}	16.6	X	203.54453	128.30322	124.37628	0.42487	0.1937138	0.24459991	2.5322030	21	—	—
166144 2002 EO_{3}	17.0	X	341.47576	85.28803	166.63109	2.38001	0.1853726	0.26160035	2.4212734	21	4 1.8	19.3
166145 2002 EH_{5}	17.2	X	280.20844	281.36506	163.38268	6.45572	0.1637283	0.28522159	2.2856749	21	10 10.9	19.5
166146 2002 EP_{12}	16.2	X	82.88561	24.77953	191.02004	9.91391	0.0758626	0.27071298	2.3666280	21	8 6.7	19.3
166147 2002 ED_{14}	16.3	X	152.45172	293.15793	281.24549	3.86547	0.0675602	0.28338803	2.2955233	21	11 1.3	19.6
166148 2002 EU_{14}	12.9	X	187.35938	40.92823	157.34752	26.37218	0.0794859	0.08267858	5.2184403	21	10 31.3	20.4
166149 2002 EO_{15}	17.0	X	113.04389	354.21630	162.98913	3.96318	0.0621403	0.27033869	2.3688119	21	6 25.8	20.0
166150 2002 EA_{16}	16.5	X	235.21129	168.84896	281.41552	4.49906	0.0984648	0.27648675	2.3335646	21	8 20.1	19.6
166151 2002 EM_{20}	16.2	X	218.16822	72.81190	83.48618	3.37941	0.1676864	0.28284469	2.2984622	21	10 23.9	19.3
166152 2002 EQ_{23}	16.6	X	0.77849	286.34553	353.88257	5.28693	0.1704431	0.26928229	2.3750032	21	7 3.1	18.5
166153 2002 ET_{24}	17.1	X	242.66510	252.07940	163.71408	2.79821	0.1852357	0.27585780	2.3371103	21	7 3.0	20.6
166154 2002 EB_{28}	16.5	X	142.72995	111.88770	12.46121	6.73494	0.0745243	0.26909022	2.3761332	21	6 19.3	19.8
166155 2002 EO_{28}	16.6	X	316.85101	262.50538	359.92613	3.24786	0.0988974	0.26092425	2.4254543	21	3 21.3	19.4
166156 2002 EZ_{29}	17.1	X	134.68541	93.34232	63.89664	3.00945	0.1677348	0.27214291	2.3583307	21	8 2.9	20.7
166157 2002 EB_{31}	16.5	X	120.03791	157.80928	13.61037	5.68153	0.1515134	0.27149805	2.3620635	21	8 6.4	19.9
166158 2002 EE_{31}	16.8	X	253.30770	136.11335	4.98721	1.92217	0.1017416	0.28686172	2.2769543	21	11 26.9	19.3
166159 2002 EV_{32}	16.6	X	278.61041	33.34415	27.79788	8.04953	0.0745813	0.28220769	2.3019196	21	9 18.6	19.2
166160 2002 EB_{33}	16.5	X	289.29622	43.12105	16.72556	7.44122	0.0867230	0.28319968	2.2965411	21	9 29.9	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166161 2002 EH_{35}	16.7	X	100.60583	55.93631	185.76792	2.51181	0.1363655	0.27696479	2.3308787	21	10 15.2	19.8
166162 2002 EK_{39}	17.3	X	66.31240	49.57543	169.91544	3.10871	0.1916470	0.26981983	2.3718477	21	8 9.7	20.1
166163 2002 ER_{39}	16.8	X	243.30643	166.89038	6.02555	0.98582	0.1086678	0.28942258	2.2635032	21	12 26.7	19.2
166164 2002 EV_{40}	16.4	X	22.33989	26.59766	198.35116	0.90662	0.1313404	0.26341589	2.4101352	21	5 19.3	18.4
166165 2002 EV_{41}	16.4	X	26.98069	222.34791	221.97499	6.28618	0.0518316	0.30088707	2.2056353	21	—	—
166166 2002 EC_{43}	16.3	X	24.65090	317.08766	270.01465	1.22602	0.1542613	0.26431048	2.4046938	21	5 28.8	18.2
166167 2002 EY_{44}	16.9	X	1.80912	99.36601	339.75217	5.38784	0.0474724	0.29435755	2.2381332	21	—	—
166168 2002 EC_{47}	17.0	X	260.52903	65.12388	13.70066	5.02787	0.1045416	0.28263926	2.2995758	21	9 10.2	19.7
166169 2002 EF_{49}	17.4	X	212.87431	318.86007	169.02227	2.76605	0.1132852	0.28113119	2.3077922	21	9 14.2	20.3
166170 2002 EP_{52}	16.3	X	333.09305	294.10712	12.88449	6.14651	0.0827592	0.27017910	2.3697446	21	6 23.3	18.9
166171 2002 ES_{53}	16.2	X	238.95134	163.76760	176.47793	3.53761	0.1176921	0.26203622	2.4185877	21	3 27.7	19.5
166172 2002 EF_{55}	16.7	X	78.93747	40.43265	163.41870	1.26950	0.1324150	0.26910293	2.3760584	21	7 26.7	19.4
166173 2002 EO_{55}	16.6	X	14.22547	27.84971	185.08901	4.62869	0.1309695	0.26367782	2.4085388	21	4 13.6	18.8
166174 2002 EO_{57}	16.1	X	330.56553	338.02935	320.74370	10.47968	0.1772356	0.26958010	2.3732537	21	5 19.8	18.6
166175 2002 EE_{59}	16.2	X	22.55439	304.95929	323.87009	4.92906	0.1149280	0.27126199	2.3634337	21	7 28.7	18.3
166176 2002 EC_{61}	16.6	X	353.76446	219.80897	185.63759	6.26810	0.1736475	0.29052591	2.2577688	21	—	—
166177 2002 EA_{64}	16.7	X	222.26890	43.23862	208.24389	2.48866	0.1019719	0.24513354	2.5285268	21	—	—
166178 2002 EE_{66}	16.4	X	280.01703	325.02208	342.44622	5.68497	0.1258728	0.26088380	2.4257049	21	3 28.0	19.6
166179 2002 ED_{68}	17.0	X	11.15581	57.67338	180.25188	2.24326	0.1686360	0.26333579	2.4106239	21	5 16.7	18.7
166180 2002 EH_{68}	16.8	X	33.05296	240.97102	353.97213	4.11253	0.0921062	0.26689524	2.3891431	21	6 21.7	19.3
166181 2002 EW_{69}	16.6	X	39.64208	67.06670	186.07272	6.28305	0.0906146	0.26986447	2.3715862	21	7 29.5	19.2
166182 2002 EN_{72}	16.3	X	48.25312	282.87261	332.24052	2.63536	0.1552205	0.27009396	2.3702426	21	8 28.5	18.8
166183 2002 EY_{72}	16.2	X	32.78417	190.59771	3.58928	4.69405	0.0442294	0.26157870	2.4214070	21	4 16.6	18.8
166184 2002 EA_{83}	17.3	X	10.61756	233.76416	350.26759	1.34736	0.1214096	0.26213626	2.4179723	21	4 22.9	19.6
166185 2002 EE_{83}	16.1	X	186.26382	8.72065	203.72946	6.63361	0.0761216	0.28585811	2.2822806	21	12 9.9	19.2
166186 2002 EQ_{83}	17.1	X	79.23588	126.91934	44.51286	2.14624	0.1266710	0.26622260	2.3931657	21	6 8.8	19.8
166187 2002 EY_{85}	16.4	X	308.19038	167.20198	107.98438	2.58226	0.1292191	0.25923105	2.4360042	21	3 23.5	19.4
166188 2002 EF_{86}	16.2	X	133.33691	208.84552	13.80360	4.42720	0.0687366	0.27899869	2.3195368	21	10 21.3	19.4
166189 2002 EX_{89}	16.5	X	83.20212	275.79824	289.45957	4.49887	0.1226286	0.27079585	2.3661451	21	8 1.7	19.5
166190 2002 EL_{91}	16.3	X	255.18277	15.16539	84.72829	2.90519	0.1371794	0.28191285	2.3035243	21	9 27.6	19.0
166191 2002 EP_{91}	16.4	X	313.08082	206.82291	18.59381	3.14076	0.1110389	0.25409766	2.4687036	21	1 25.9	19.7
166192 2002 EW_{91}	16.6	X	5.93390	311.41779	350.47202	3.24221	0.1781489	0.27233212	2.3572382	21	8 23.5	18.4
166193 2002 EO_{93}	16.8	X	95.29090	185.13770	17.12919	4.13857	0.1283104	0.27285917	2.3542018	21	8 16.7	19.9
166194 2002 EQ_{93}	16.6	X	319.93678	123.44892	142.34537	7.94343	0.1014274	0.26334004	2.4105980	21	4 1.9	19.5
166195 2002 EM_{95}	16.7	X	98.05202	192.46809	49.54916	3.17159	0.1272729	0.27807535	2.3246686	21	10 12.7	20.0
166196 2002 EY_{96}	17.1	X	87.22032	19.50543	162.68988	2.67177	0.1294294	0.26790532	2.3831341	21	7 6.5	20.0
166197 2002 EE_{103}	17.1	X	26.31943	98.98973	140.81552	1.95451	0.1351654	0.26681502	2.3896219	21	6 20.8	19.2
166198 2002 EK_{109}	16.7	X	350.46073	124.48166	143.97765	3.38456	0.1687381	0.26519868	2.3993217	21	5 19.5	18.7
166199 2002 EY_{111}	17.3	X	9.13671	230.11787	34.69262	1.60207	0.1518773	0.26866975	2.3786116	21	6 25.5	19.0
166200 2002 ES_{118}	16.9	X	142.26803	144.80589	33.77320	4.52332	0.1537248	0.27600749	2.3362652	21	9 8.1	20.4
166201 2002 EL_{121}	16.2	X	46.11175	134.38948	3.79393	6.04390	0.0560280	0.25488075	2.4636444	21	2 21.9	19.0
166202 2002 ER_{123}	17.0	X	293.81434	109.83985	156.17315	2.47796	0.1673136	0.25598277	2.4565686	21	2 14.9	20.6
166203 2002 ES_{123}	16.5	X	349.60502	167.55630	134.58882	2.02261	0.1887418	0.26990039	2.3713757	21	7 11.6	18.1
166204 2002 EV_{124}	16.4	X	47.25602	177.08779	147.63704	7.22240	0.1454925	0.28369131	2.2938870	21	12 5.1	19.4
166205 2002 EA_{126}	17.5	X	26.17013	232.25509	356.90739	0.73596	0.1696334	0.26603192	2.3943091	21	6 5.9	19.2
166206 2002 EL_{126}	16.9	X	18.77805	1.90768	226.79657	4.24252	0.1834823	0.26442479	2.4040008	21	5 19.4	18.5
166207 2002 EW_{126}	16.4	X	95.80834	9.77459	219.14734	6.18337	0.0691062	0.27693304	2.3310569	21	9 11.7	19.6
166208 2002 EL_{128}	17.1	X	47.78387	34.47153	11.52952	2.14671	0.1721335	0.29837837	2.2179810	21	—	—
166209 2002 EL_{129}	16.6	X	55.23248	12.16981	204.64437	5.75530	0.0774856	0.26688081	2.3892292	21	6 29.6	19.4
166210 2002 ER_{133}	16.5	X	338.11667	324.67237	328.67692	3.51838	0.1657316	0.26759499	2.3849763	21	5 31.4	18.6
166211 2002 EP_{135}	12.8	X	265.62078	340.98693	160.59518	7.99028	0.0074514	0.08262257	5.2207984	21	11 21.9	19.8
166212 2002 EX_{139}	16.8	X	71.32596	37.93737	357.64960	4.69579	0.1800196	0.30062950	2.2068949	21	—	—
166213 2002 EJ_{141}	17.0	X	321.88302	99.26664	168.77679	2.51351	0.1527480	0.26177040	2.4202247	21	3 28.2	19.5
166214 2002 EN_{144}	16.9	X	284.60903	207.25248	26.86634	2.79850	0.1351718	0.25077573	2.4904570	21	1 1.0	20.5
166215 2002 EL_{146}	16.1	X	334.85325	353.00642	279.14543	5.29268	0.0990739	0.26573512	2.3960916	21	4 30.1	18.7
166216 2002 EV_{146}	16.8	X	305.48835	30.79067	208.02477	7.00409	0.1784784	0.25380045	2.4706304	21	1 21.7	20.4
166217 2002 ED_{148}	16.9	X	4.27110	204.15464	57.60749	2.36096	0.1507750	0.26570093	2.3962971	21	6 8.9	18.8
166218 2002 EF_{149}	16.5	X	272.47183	179.02041	138.16937	3.72938	0.1040998	0.26151513	2.4217994	21	4 6.9	19.7
166219 2002 EU_{150}	16.0	X	356.14615	112.75056	166.02011	5.92676	0.1169266	0.26698413	2.3886128	21	6 20.4	18.3
166220 2002 EE_{153}	16.2	X	164.32248	338.20191	246.93329	6.61007	0.0695297	0.28561090	2.2835973	21	11 30.9	19.3
166221 2002 EC_{155}	16.5	X	336.65764	344.39898	1.14470	7.19679	0.1410149	0.27469008	2.3437290	21	8 29.6	18.4
166222 2002 FY_{3}	16.2	X	126.07971	106.71139	80.26386	7.15558	0.0545219	0.27430415	2.3459269	21	8 27.3	19.4
166223 2002 FP_{6}	16.1	X	320.41718	38.77339	186.10764	4.42758	0.0149898	0.25464571	2.4651602	21	2 16.1	19.1
166224 2002 FH_{9}	16.3	X	95.83083	267.16694	263.84318	3.62941	0.1640114	0.26797523	2.3827196	21	7 7.5	19.3
166225 2002 FP_{9}	16.2	X	78.35488	157.91307	279.09709	3.60952	0.2128671	0.30651937	2.1785328	21	1 18.0	17.2
166226 2002 FF_{11}	16.0	X	52.82835	165.16754	44.33175	7.41140	0.0595900	0.26688860	2.3891827	21	6 11.9	18.8
166227 2002 FQ_{11}	16.3	X	126.85992	196.99216	319.32209	6.04870	0.0672462	0.27041450	2.3683691	21	7 14.5	19.5
166228 2002 FY_{12}	16.3	X	65.72283	193.31206	47.41816	5.29396	0.1136236	0.27104295	2.3647068	21	8 30.3	19.2
166229 Palanga	16.2	X	335.10707	223.32539	14.43421	6.32834	0.0633672	0.25866796	2.4395382	21	3 20.9	19.0
166230 2002 FB_{17}	13.0	X	50.06130	359.42619	359.17069	3.77821	0.0964572	0.08211419	5.2423244	21	12 3.1	19.7
166231 2002 FX_{19}	16.8	X	309.65051	67.95201	192.74900	2.17475	0.1717059	0.25677189	2.4515329	21	2 25.7	19.8
166232 2002 FR_{21}	16.7	X	134.28658	145.50323	9.95290	1.97553	0.1355838	0.27072167	2.3665773	21	7 28.4	20.1
166233 2002 FL_{26}	16.5	X	206.69357	184.42743	43.53512	9.97486	0.2560881	0.29150736	2.2526983	21	—	—
166234 2002 FA_{28}	16.7	X	44.57845	76.30961	146.32194	1.90658	0.1363408	0.26600383	2.3944776	21	6 29.7	19.0
166235 2002 FP_{29}	16.0	X	263.80527	6.37818	72.55329	10.38346	0.1164165	0.28209675	2.3025231	21	9 18.4	18.9
166236 2002 FM_{33}	16.0	X	67.84840	177.80675	39.76217	9.78754	0.1512055	0.26958436	2.3732287	21	8 7.4	19.0
166237 2002 FN_{33}	16.0	X	272.03869	24.62598	94.38165	6.99255	0.0449976	0.28676841	2.2774482	21	12 3.6	18.4
166238 2002 FU_{33}	16.7	X	49.88625	271.80803	328.47139	3.31014	0.0691556	0.27014795	2.3699268	21	7 26.2	19.2
166239 2002 FO_{37}	16.1	X	244.12426	61.00719	139.49335	16.35301	0.1012866	0.24229946	2.5482053	21	—	—
166240 2002 FP_{39}	16.6	X	294.64859	181.17384	95.15488	2.30579	0.1691650	0.25732026	2.4480488	21	3 1.9	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166241 2002 GF_{12}	16.2	X	221.78913	173.58219	82.48333	4.92846	0.1922162	0.24238979	2.5475722	21	—	—
166242 2002 GL_{12}	15.7	X	32.67280	198.94702	28.85571	12.25833	0.2108198	0.26240162	2.4163419	21	6 24.3	18.0
166243 2002 GL_{13}	16.1	X	115.00181	8.62870	199.15171	1.84498	0.1541726	0.27276345	2.3547525	21	9 16.3	19.5
166244 2002 GD_{14}	16.5	X	18.73771	169.30696	43.06262	2.79745	0.1497774	0.25936118	2.4351894	21	4 22.3	18.6
166245 2002 GG_{16}	16.8	X	38.99344	81.85157	153.31672	3.32868	0.1447763	0.26665880	2.3905551	21	7 9.8	19.1
166246 2002 GR_{16}	16.2	X	88.53216	137.81094	62.59480	3.48252	0.1068091	0.26897669	2.3768017	21	8 1.4	19.2
166247 2002 GB_{20}	16.6	X	98.77166	163.04593	7.88676	2.56400	0.1329407	0.26607756	2.3940353	21	7 7.3	19.6
166248 2002 GZ_{20}	16.3	X	31.02637	251.86282	331.30700	1.05950	0.1396125	0.26186038	2.4196703	21	6 4.0	18.6
166249 2002 GB_{21}	16.1	X	28.10675	231.59109	10.73869	2.69061	0.1433840	0.26345279	2.4099102	21	6 29.8	18.3
166250 2002 GG_{23}	16.3	X	141.41860	326.55839	218.63229	4.88033	0.1386218	0.27460263	2.3442266	21	9 11.4	20.0
166251 2002 GU_{23}	16.7	X	69.29430	280.99895	308.07262	1.35990	0.1630771	0.26876375	2.3780570	21	8 23.3	19.7
166252 2002 GJ_{25}	16.7	X	173.96874	119.02873	187.51045	2.96842	0.1764470	0.24014304	2.5634374	21	—	—
166253 2002 GD_{27}	16.3	X	28.54578	339.58148	212.23603	4.35506	0.0403061	0.25638688	2.4539866	21	4 7.7	19.0
166254 2002 GO_{33}	16.6	X	226.01297	177.74381	48.50013	6.99511	0.0797354	0.29459570	2.2369268	21	—	—
166255 2002 GF_{42}	16.9	X	123.17602	166.35390	340.09948	0.83931	0.1277416	0.26819921	2.3813929	21	7 2.2	20.2
166256 2002 GV_{44}	15.7	X	105.89783	296.84884	9.57381	16.09941	0.2297889	0.23156835	2.6263338	21	—	—
166257 2002 GC_{55}	16.9	X	243.67289	121.05721	123.60101	1.36843	0.2493293	0.24301759	2.5431828	21	—	—
166258 2002 GY_{60}	16.5	X	147.60603	148.82290	77.10547	3.07294	0.0661824	0.28100923	2.3084599	21	11 12.6	19.4
166259 2002 GE_{62}	16.5	X	257.24403	110.39417	192.58094	8.63782	0.0512985	0.25459977	2.4654567	21	3 4.2	20.0
166260 2002 GF_{65}	16.2	X	43.31621	268.37742	11.10278	6.50921	0.1134053	0.27336057	2.3513221	21	9 20.1	18.8
166261 2002 GN_{65}	16.7	X	345.32765	97.65112	186.79108	2.04371	0.1604354	0.26387517	2.4073378	21	6 3.6	18.8
166262 2002 GK_{68}	15.1	X	122.22859	149.44537	109.78237	15.08456	0.2647728	0.22491845	2.6778485	21	11 29.4	20.0
166263 2002 GW_{69}	16.6	X	146.96103	176.55711	122.73431	3.10346	0.2172018	0.23574009	2.5952573	21	—	—
166264 2002 GL_{74}	15.9	X	83.65000	271.18966	289.37868	4.19512	0.1424288	0.26808290	2.3820816	21	7 29.8	18.9
166265 2002 GM_{83}	15.2	X	157.82404	160.78170	109.81482	6.86242	0.1367230	0.18347688	3.0672451	21	12 30.5	20.2
166266 2002 GO_{84}	16.0	X	230.74565	13.51594	160.58671	8.76409	0.1702313	0.28600220	2.2815140	21	12 1.9	19.1
166267 2002 GW_{87}	16.4	X	153.14484	52.42143	86.31555	4.86637	0.1427107	0.26975746	2.3722133	21	7 26.3	19.9
166268 2002 GQ_{89}	16.9	X	220.14469	81.35991	17.76182	1.06842	0.1777289	0.27532896	2.3401020	21	8 8.2	20.3
166269 2002 GY_{89}	16.1	X	277.90751	311.60795	17.27378	5.95594	0.1354102	0.26106351	2.4245916	21	4 22.6	19.4
166270 2002 GG_{90}	16.9	X	263.77273	124.47286	198.09853	3.99944	0.1904627	0.25701080	2.4500134	21	3 24.2	20.7
166271 2002 GT_{90}	16.7	X	320.93472	113.99002	192.75207	1.39503	0.1261626	0.26397279	2.4067442	21	5 26.7	19.0
166272 2002 GB_{94}	16.5	X	188.92660	254.60628	4.99844	11.40589	0.1632094	0.23791865	2.5793903	21	—	—
166273 2002 GH_{94}	16.5	X	64.80243	251.31611	272.14552	3.40244	0.0845219	0.26161847	2.4211616	21	4 27.3	19.1
166274 2002 GJ_{94}	16.2	X	306.30512	277.88846	330.13746	5.28933	0.1184062	0.25453970	2.4658446	21	2 13.9	19.5
166275 2002 GS_{94}	16.1	X	315.41777	17.92556	338.75535	2.30979	0.1508860	0.27099714	2.3649733	21	7 30.2	18.2
166276 2002 GN_{95}	16.4	X	346.94778	22.01895	243.20269	5.90918	0.1430426	0.26130352	2.4231067	21	5 8.2	18.6
166277 2002 GM_{96}	16.7	X	96.89718	220.22728	268.06666	1.56250	0.1436645	0.26128944	2.4231937	21	5 6.4	19.5
166278 2002 GQ_{96}	15.7	X	353.68247	340.87384	320.14156	6.23201	0.1073650	0.26853970	2.3793795	21	7 22.5	18.0
166279 2002 GM_{99}	16.5	X	322.47924	75.37291	13.69585	4.68379	0.1708501	0.29014712	2.2597334	21	—	—
166280 2002 GE_{111}	16.3	X	26.06257	133.17953	95.19447	7.16199	0.0566956	0.26250533	2.4157054	21	5 28.8	18.9
166281 2002 GQ_{118}	16.7	X	287.01210	28.95229	94.70308	5.00054	0.0822963	0.28888247	2.2663236	21	12 30.1	19.0
166282 2002 GU_{123}	17.0	X	243.81232	34.59176	62.62599	4.56645	0.1068240	0.27859900	2.3217548	21	9 13.6	19.9
166283 2002 GA_{125}	16.7	X	110.01660	330.36329	300.44909	1.64529	0.0773254	0.28192467	2.3034599	21	11 28.0	19.8
166284 2002 GM_{125}	16.6	X	12.85056	93.29427	209.38367	6.13907	0.1213237	0.27229774	2.3574366	21	8 30.0	19.0
166285 2002 GY_{127}	13.1	X	298.53244	264.47374	204.26871	5.12510	0.0629803	0.08229233	5.2347562	21	11 15.4	19.8
166286 2002 GB_{153}	16.6	X	213.09063	279.25930	351.72176	4.71563	0.1471141	0.24303299	2.5430754	21	—	—
166287 2002 GQ_{153}	16.4	X	273.86361	21.05973	65.66772	7.25437	0.0808577	0.28236185	2.3010817	21	10 17.7	18.9
166288 2002 GM_{160}	16.5	X	61.21224	96.73769	105.03958	4.36503	0.0539396	0.26616006	2.3935406	21	6 13.9	19.3
166289 2002 GH_{163}	16.8	X	309.36262	116.55428	150.72180	2.05924	0.0699130	0.25752094	2.4467768	21	3 23.1	19.8
166290 2002 HK_{4}	15.8	X	122.80542	86.22528	194.77325	12.45026	0.2097551	0.22953753	2.6418019	21	12 20.3	20.5
166291 2002 HE_{10}	16.1	X	111.72181	123.18163	37.80332	5.98862	0.1127358	0.26728316	2.3868309	21	7 7.3	19.3
166292 2002 HA_{16}	16.3	X	172.39700	94.59878	197.30177	8.94081	0.2038338	0.23812543	2.5778968	21	—	—
166293 2002 HB_{16}	17.0	X	283.00933	100.42707	185.64122	2.45593	0.1905955	0.25507638	2.4623846	21	2 25.7	20.5
166294 2002 HJ_{16}	16.1	X	336.61004	299.87025	38.54104	4.55542	0.1428651	0.27117212	2.3639558	21	8 17.4	18.1
166295 2002 JL_{1}	15.5	X	152.93410	186.99312	117.81456	14.62483	0.2799873	0.23396138	2.6083945	21	—	—
166296 2002 JP_{3}	16.2	X	174.66524	227.87915	32.54928	10.71836	0.1955464	0.23504653	2.6003600	21	—	—
166297 2002 JC_{5}	16.4	X	342.90830	181.84265	86.40351	2.21700	0.1621366	0.25893333	2.4378711	21	5 4.0	18.7
166298 2002 JL_{6}	16.8	X	152.37640	75.21013	211.00475	1.67633	0.1782346	0.23339478	2.6126143	21	—	—
166299 2002 JN_{8}	16.7	X	173.58665	80.02666	165.18037	7.41908	0.1668931	0.23263788	2.6182780	21	12 21.5	21.1
166300 2002 JG_{12}	16.8	X	73.56698	201.67126	22.80647	1.33530	0.1392713	0.26787289	2.3833265	21	8 19.7	19.7
166301 2002 JJ_{13}	16.7	X	176.49726	322.07588	223.69456	5.23241	0.1660389	0.27814791	2.3242643	21	10 17.2	20.3
166302 2002 JV_{14}	16.2	X	8.86339	94.99202	93.07907	3.36415	0.1356291	0.25466357	2.4650449	21	2 26.7	18.5
166303 2002 JX_{15}	16.1	X	54.89670	59.28948	212.68314	5.47626	0.1135744	0.27211963	2.3584652	21	9 23.9	18.8
166304 2002 JU_{16}	15.9	X	195.41264	187.37894	79.35169	12.15739	0.1559859	0.23842428	2.5757422	21	—	—
166305 2002 JX_{22}	16.3	X	195.46727	35.50117	213.83782	12.22457	0.2338726	0.23613498	2.5923631	21	—	—
166306 2002 JT_{25}	16.4	X	184.18974	84.12644	148.98491	3.60219	0.2663720	0.23300330	2.6155398	21	12 10.9	21.0
166307 2002 JA_{26}	16.4	X	186.98548	182.64561	100.56302	4.71775	0.2020640	0.23796988	2.5790200	21	—	—
166308 2002 JQ_{27}	16.1	X	1.39325	90.89699	184.91955	2.21340	0.1685431	0.26347249	2.4097900	21	6 26.0	17.8
166309 2002 JQ_{33}	16.0	X	179.28812	38.21400	201.46293	4.27276	0.1335623	0.23225180	2.6211788	21	12 21.9	20.2
166310 2002 JU_{36}	16.5	X	175.09477	47.39309	131.22896	6.43664	0.1409034	0.27708145	2.3302244	21	10 11.4	20.1
166311 2002 JX_{36}	15.8	X	172.95832	188.74562	90.02007	5.85763	0.3000868	0.23514722	2.5996177	21	—	—
166312 2002 JY_{43}	16.1	X	142.22220	243.74293	312.04016	4.32678	0.1321074	0.27562407	2.3384313	21	9 25.8	19.6
166313 2002 JM_{45}	16.8	X	229.30457	125.02270	3.92186	2.62177	0.1582872	0.27966913	2.3158283	21	9 29.3	19.9
166314 2002 JW_{49}	16.6	X	40.98263	324.69359	251.58482	1.51346	0.1682972	0.26198348	2.4189122	21	6 17.6	18.6
166315 2002 JS_{51}	16.3	X	161.71939	41.12499	247.20022	1.16364	0.1788034	0.23481772	2.6020490	21	—	—
166316 2002 JX_{51}	16.6	X	346.28994	317.20836	317.45821	0.58427	0.1715841	0.25969643	2.4330931	21	5 19.2	18.6
166317 2002 JY_{51}	16.5	X	161.83705	236.95566	37.43490	3.71296	0.3155718	0.23245466	2.6196536	21	—	—
166318 2002 JR_{53}	15.9	X	233.40620	231.44797	44.31941	12.33771	0.1036596	0.24562251	2.5251699	21	1 3.7	19.9
166319 2002 JZ_{61}	16.0	X	301.18532	352.32384	193.66523	7.29153	0.1147295	0.24347193	2.5400179	21	—	—
166320 2002 JZ_{65}	15.9	X	153.74249	121.84540	68.03174	8.68152	0.1160667	0.27441405	2.3453005	21	10 6.1	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166321 2002 JT_{66}	16.1	X	161.89522	66.25137	189.22508	11.21647	0.2137232	0.23264013	2.6182612	21	12 21.5	20.8
166322 2002 JP_{75}	15.9	X	137.72353	78.92814	215.22768	12.34196	0.1657416	0.23074528	2.6325755	21	—	—
166323 2002 JZ_{76}	16.5	X	201.63876	249.14908	25.94410	4.48682	0.2428832	0.24083190	2.5585469	21	—	—
166324 2002 JW_{79}	17.0	X	59.93867	204.05598	343.57042	0.80334	0.1217943	0.26270865	2.4144588	21	5 31.9	19.6
166325 2002 JO_{83}	16.6	X	316.06261	263.68554	36.82048	6.21707	0.1149585	0.26056783	2.4276655	21	5 10.3	19.3
166326 2002 JK_{87}	16.7	X	226.38170	264.29446	26.57166	3.27126	0.0649004	0.24611722	2.5217849	21	1 15.6	20.4
166327 2002 JU_{88}	16.2	X	198.02623	24.92095	253.09073	4.14445	0.1111358	0.24077526	2.5589481	21	—	—
166328 2002 JX_{89}	16.4	X	235.91327	246.70853	28.81690	2.90156	0.0529216	0.24581332	2.5238630	21	1 6.9	19.9
166329 2002 JW_{90}	15.7	X	94.63093	287.13379	44.47085	17.81855	0.2747966	0.22918854	2.6444830	21	—	—
166330 2002 JU_{93}	16.2	X	70.16818	191.84789	316.20460	0.88012	0.1246696	0.25720947	2.4487517	21	4 20.9	18.8
166331 2002 JF_{94}	16.5	X	180.86652	127.36545	47.33634	7.00267	0.0707904	0.27570598	2.3379682	21	10 14.9	19.6
166332 2002 JB_{95}	16.6	X	104.14840	166.35311	35.98512	2.69735	0.1522622	0.26863915	2.3787922	21	8 29.6	19.9
166333 2002 JH_{95}	16.6	X	6.22566	199.93644	18.52716	3.15946	0.1237811	0.25643257	2.4536951	21	4 7.1	18.7
166334 2002 JN_{107}	16.7	X	234.88362	91.25399	181.23209	14.72558	0.2220679	0.24553311	2.5257828	21	—	—
166335 2002 JR_{108}	16.1	X	162.17200	55.26348	198.48441	31.37498	0.2255990	0.23049391	2.6344891	21	12 16.9	21.2
166336 2002 JN_{121}	16.1	X	129.64935	178.35326	126.07435	13.29026	0.1830202	0.23308484	2.6149298	21	—	—
166337 2002 JZ_{124}	16.1	X	252.46717	41.59194	178.60770	12.20806	0.1283778	0.24048427	2.5610119	21	—	—
166338 2002 JH_{125}	16.8	X	48.83483	138.85089	14.06289	2.51023	0.1182795	0.25641122	2.4538313	21	3 21.5	19.1
166339 2002 JX_{125}	16.5	X	322.77941	189.29910	232.25251	5.37163	0.0835388	0.28068630	2.3102301	21	11 28.8	18.8
166340 2002 JQ_{129}	16.4	X	177.51116	130.17394	151.04261	4.72687	0.1571627	0.23705534	2.5856489	21	—	—
166341 2002 JV_{129}	16.1	X	38.53418	43.58226	115.39988	7.23821	0.0498410	0.25406068	2.4689431	21	3 12.3	19.0
166342 2002 JV_{132}	16.1	X	164.94335	17.16376	271.35469	9.48965	0.2003035	0.23638702	2.5905201	21	—	—
166343 2002 JB_{135}	16.3	X	104.49640	124.47010	17.61431	6.30489	0.1110772	0.26226391	2.4171876	21	5 30.1	19.5
166344 2002 JL_{139}	16.2	X	197.93342	5.18712	270.93271	6.95141	0.1204985	0.24022617	2.5628459	21	—	—
166345 2002 JU_{144}	16.0	X	175.02048	43.99217	163.24916	14.04871	0.1040354	0.22830269	2.6513193	21	11 13.0	20.3
166346 2002 JN_{145}	15.7	X	191.12694	139.26342	143.82015	14.57038	0.1837805	0.23967041	2.5668063	21	—	—
166347 2002 KQ_{1}	16.3	X	84.66949	277.77900	20.31277	7.37665	0.2795718	0.22518864	2.6757060	21	12 13.2	20.8
166348 2002 KD_{2}	15.8	X	115.91036	291.72667	60.28071	28.91529	0.2068973	0.23588978	2.5941593	21	—	—
166349 2002 KO_{3}	16.5	X	71.35680	287.38037	6.78482	2.09711	0.1869534	0.22285067	2.6943877	21	11 17.4	20.4
166350 2002 KH_{5}	16.5	X	173.32181	173.61422	124.91438	3.12010	0.2052120	0.23624352	2.5915690	21	—	—
166351 2002 KP_{7}	12.4	X	348.44642	292.49403	129.80664	12.41919	0.0506422	0.08111243	5.2853991	21	11 27.5	19.2
166352 2002 KN_{9}	15.2	X	111.46296	208.05298	102.60335	16.09242	0.2650357	0.22454584	2.6808100	21	—	—
166353 2002 KB_{10}	16.6	X	218.51617	98.55297	194.62668	4.43846	0.1929056	0.24428675	2.5343666	21	1 9.8	20.8
166354 2002 KC_{10}	16.1	X	138.24600	241.92563	57.90251	15.08028	0.2557526	0.23304114	2.6152567	21	—	—
166355 2002 KW_{10}	16.8	X	294.08076	67.70588	214.93892	3.03222	0.1603447	0.25280966	2.4770814	21	3 9.0	20.1
166356 2002 KD_{14}	15.7	X	104.15076	145.86036	143.01134	13.81460	0.2641012	0.22471768	2.6794432	21	12 18.3	20.6
166357 2002 LW_{3}	16.2	X	157.15254	207.44765	96.85052	5.28777	0.2412435	0.23513016	2.5997435	21	—	—
166358 2002 LZ_{6}	15.4	X	273.29956	57.20249	191.97309	14.85454	0.0820407	0.24467243	2.5317027	21	1 11.3	19.4
166359 2002 LJ_{15}	16.1	X	266.29524	261.69078	323.46921	1.55822	0.2212103	0.24227992	2.5483424	21	—	—
166360 2002 LR_{15}	16.3	X	177.63050	249.99024	350.06804	1.08572	0.1500921	0.23077599	2.6323419	21	12 19.5	20.5
166361 2002 LO_{16}	16.5	X	52.13710	303.84346	313.47019	3.66995	0.1968088	0.21443961	2.7643904	21	9 7.4	20.0
166362 2002 LF_{17}	15.8	X	148.60168	70.77495	241.80506	12.36156	0.1931355	0.23487380	2.6016348	21	—	—
166363 2002 LL_{22}	16.1	X	164.86430	69.23934	255.75263	3.51867	0.2085960	0.23746250	2.5826925	21	1 4.6	20.2
166364 2002 LY_{24}	16.3	X	241.57561	125.20691	122.37564	4.24796	0.1145484	0.24125457	2.5555576	21	—	—
166365 2002 LZ_{24}	16.4	X	118.00593	128.90416	174.56584	3.89556	0.1842671	0.22940023	2.6428559	21	—	—
166366 2002 LH_{25}	16.0	X	128.46534	118.80469	177.02050	13.92975	0.1879891	0.23070945	2.6328481	21	—	—
166367 2002 LF_{26}	16.6	X	171.66091	108.06090	125.64893	3.22067	0.1496319	0.22921245	2.6442991	21	12 6.7	20.8
166368 2002 LC_{27}	15.5	X	77.26406	163.01111	128.00119	11.70381	0.2757885	0.22055774	2.7130295	21	12 1.2	20.1
166369 2002 LM_{28}	16.2	X	195.98872	41.72898	229.53106	6.07673	0.2455822	0.23613778	2.5923426	21	—	—
166370 2002 LG_{29}	14.9	X	132.08868	249.38464	85.97465	12.71550	0.2097179	0.23016470	2.6370007	21	—	—
166371 2002 LL_{31}	15.9	X	31.69790	186.06424	66.80501	7.73010	0.0437590	0.26184715	2.4197517	21	7 12.3	18.8
166372 2002 LO_{32}	15.9	X	132.51992	139.35686	125.01470	11.74814	0.1753612	0.22783332	2.6549594	21	12 9.7	20.4
166373 2002 LX_{32}	16.0	X	112.37125	135.42512	156.78809	16.19079	0.1914738	0.22786633	2.6547031	21	12 25.0	20.7
166374 2002 LG_{36}	15.3	X	16.76282	100.46585	236.07191	8.00167	0.3068236	0.21375853	2.7702592	21	11 16.8	18.1
166375 2002 LS_{39}	16.2	X	259.11612	49.20706	202.92145	8.45886	0.1598528	0.24373731	2.5381739	21	—	—
166376 2002 LU_{42}	16.1	X	110.37595	80.18531	219.59551	12.08557	0.1690410	0.22644445	2.6658043	21	12 28.9	20.6
166377 2002 LC_{43}	15.3	X	151.92940	207.67820	142.69758	14.33307	0.1713654	0.23582700	2.5946196	21	1 19.1	19.2
166378 2002 LX_{43}	15.3	X	110.68705	43.47356	255.50695	14.52398	0.1270735	0.22322558	2.6913700	21	12 26.2	19.5
166379 2002 LF_{46}	15.0	X	95.30560	202.73747	117.83295	15.18333	0.2696507	0.22611234	2.6684140	21	—	—
166380 2002 LG_{46}	16.3	X	64.24555	103.69601	183.00205	9.00259	0.2612360	0.21870647	2.7283178	21	11 11.5	20.4
166381 2002 LT_{46}	15.3	X	132.87985	181.89215	106.35447	18.77428	0.2150110	0.22972892	2.6403344	21	—	—
166382 2002 LA_{50}	16.1	X	260.72816	13.35362	163.36172	2.10490	0.1563896	0.23611551	2.5925056	21	—	—
166383 2002 LN_{50}	15.6	X	104.63144	183.68253	135.31635	5.30817	0.2144336	0.22485099	2.6783841	21	—	—
166384 2002 LS_{57}	16.0	X	208.98422	59.52669	201.41938	9.23152	0.1764540	0.23777831	2.5804051	21	—	—
166385 2002 MX_{2}	15.2	X	32.29605	25.54009	307.71256	15.78965	0.2478689	0.21504493	2.7592004	21	11 24.9	19.0
166386 2002 NO_{4}	16.3	X	201.05254	150.96025	160.58907	6.31531	0.1427531	0.24122639	2.5557567	21	1 15.9	20.5
166387 2002 NU_{4}	15.8	X	47.12710	80.86060	278.91531	5.22435	0.0385133	0.22326748	2.6910333	21	12 21.1	19.5
166388 2002 NC_{5}	16.0	X	135.49205	97.96860	181.56369	1.60942	0.0438293	0.22515109	2.6760035	21	12 26.6	19.8
166389 2002 NK_{8}	15.8	X	114.94523	149.14394	141.46028	14.45743	0.1216442	0.22300479	2.6931462	21	12 21.9	20.2
166390 2002 NE_{9}	15.6	X	202.47807	316.79917	295.97469	13.20267	0.0851538	0.23249125	2.6193788	21	—	—
166391 2002 NA_{10}	15.3	X	57.32004	44.74016	265.72069	7.54802	0.2197103	0.21772824	2.7364838	21	11 25.6	19.2
166392 2002 ND_{13}	15.6	X	51.24000	238.13551	119.86341	10.23898	0.2341349	0.22066116	2.7121817	21	—	—
166393 2002 NM_{14}	16.2	X	14.51646	177.17641	135.36126	11.92465	0.2861265	0.21122327	2.7923823	21	10 10.2	19.0
166394 2002 NB_{15}	15.5	X	13.47239	11.86768	335.87918	7.80715	0.2394302	0.21458322	2.7631569	21	11 12.0	18.5
166395 2002 NW_{17}	15.5	X	100.03063	129.69535	136.66631	9.81922	0.2207954	0.22048205	2.7136503	21	11 17.5	20.1
166396 2002 NA_{21}	15.6	X	172.16519	356.47013	277.93099	13.60973	0.0813999	0.22963995	2.6410164	21	—	—
166397 2002 NG_{21}	16.0	X	157.21102	134.06923	131.27015	12.73714	0.1696490	0.22712658	2.6604641	21	12 30.1	20.5
166398 2002 NX_{22}	15.7	X	136.42055	166.83295	138.54260	11.58358	0.0928790	0.22868471	2.6483658	21	—	—
166399 2002 NY_{22}	15.3	X	220.15688	290.27926	284.50366	10.29167	0.1450888	0.22816965	2.6523498	21	—	—
166400 2002 NS_{23}	15.5	X	121.19801	178.12452	131.68569	15.38046	0.1371864	0.22556110	2.6727597	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166401 2002 NG_{24}	15.6	X	8.48416	98.00188	245.45942	5.22085	0.1763299	0.21245735	2.7815586	21	10 19.7	18.6
166402 2002 NV_{29}	15.8	X	275.24215	350.63139	332.27676	0.80540	0.1170602	0.19865550	2.9089459	21	4 20.2	19.9
166403 2002 NQ_{31}	15.9	X	141.24745	122.72956	176.33794	11.36235	0.2065505	0.22828433	2.6514614	21	—	—
166404 2002 NP_{41}	15.7	X	63.26236	211.70222	109.01436	13.08654	0.1065460	0.21919078	2.7242974	21	12 3.2	19.6
166405 2002 NB_{45}	15.9	X	87.34210	64.23310	218.71974	4.41293	0.2879817	0.21877963	2.7277095	21	11 28.7	20.5
166406 2002 NZ_{51}	15.3	X	332.75910	275.50175	128.98665	10.78245	0.2012871	0.21448515	2.7639991	21	11 10.8	18.1
166407 2002 NC_{53}	15.7	X	67.35271	229.54122	126.21019	8.54714	0.1979945	0.22249659	2.6972455	21	—	—
166408 2002 NU_{61}	16.4	X	164.37408	125.96536	137.47719	3.00462	0.1660692	0.22739789	2.6583476	21	—	—
166409 2002 OP	15.3	X	115.64790	13.89248	273.61372	9.04188	0.2425420	0.22182743	2.7026671	21	12 22.7	19.8
166410 2002 OT_{1}	15.0	X	196.88245	299.46844	274.82968	13.48360	0.0986698	0.22316216	2.6918799	21	12 10.5	19.1
166411 2002 OV_{1}	15.5	X	181.46922	37.37112	211.50768	7.28840	0.2008558	0.22749169	2.6576168	21	12 29.1	20.0
166412 2002 OL_{2}	15.5	X	125.30338	114.15663	207.34139	13.59283	0.1167267	0.22663187	2.6643344	21	—	—
166413 2002 OG_{6}	15.5	X	16.19170	177.69726	243.69319	8.61061	0.0822366	0.22441004	2.6818914	21	—	—
166414 2002 OF_{16}	15.9	X	213.33854	112.22340	178.32477	7.42548	0.1334790	0.23794621	2.5791911	21	1 2.5	20.1
166415 2002 OQ_{16}	16.1	X	50.83532	136.86851	164.43119	9.72964	0.2102597	0.21553869	2.7549849	21	11 8.2	19.9
166416 2002 OY_{16}	15.4	X	320.00697	119.07000	262.99796	10.75166	0.1062765	0.21119981	2.7925891	21	9 7.7	19.0
166417 2002 OO_{17}	15.5	X	147.22808	132.05188	168.82714	11.93372	0.1581612	0.22769632	2.6560243	21	—	—
166418 2002 OP_{18}	15.5	X	84.27151	183.05988	160.44360	12.55365	0.1932026	0.22275172	2.6951856	21	—	—
166419 2002 OA_{25}	16.8	X	96.44958	322.07794	32.34451	1.49057	0.1039831	0.22665241	2.6641734	21	—	—
166420 2002 OH_{26}	15.5	X	304.53484	275.91191	124.35859	9.94344	0.1616566	0.20853479	2.8163311	21	9 9.4	18.8
166421 2002 OB_{27}	16.4	X	272.60230	99.11036	244.25598	4.09528	0.0692583	0.19982714	2.8975642	21	5 19.9	20.4
166422 2002 PS_{1}	15.3	X	335.43084	343.28174	339.55338	7.67207	0.2050408	0.20437246	2.8544415	21	7 10.9	18.2
166423 2002 PZ_{1}	15.3	X	22.96140	343.42185	323.85152	7.34365	0.2137942	0.21112732	2.7932282	21	9 28.8	18.4
166424 2002 PX_{7}	16.1	X	242.53631	16.21248	201.79553	3.66198	0.1189083	0.23221487	2.6214568	21	—	—
166425 2002 PE_{8}	16.4	X	137.67759	66.80498	191.53212	8.99226	0.1918697	0.22351367	2.6890569	21	12 5.7	21.0
166426 2002 PZ_{9}	16.1	X	347.11026	188.24942	178.14004	6.59500	0.0673917	0.21269992	2.7794434	21	10 9.1	19.5
166427 2002 PZ_{15}	16.2	X	103.45991	137.51475	171.47323	4.54230	0.1267315	0.22372440	2.6873681	21	12 31.8	20.5
166428 2002 PY_{22}	15.8	X	218.25622	239.97969	294.21927	4.02565	0.0455094	0.22043152	2.7140650	21	11 19.8	19.7
166429 2002 PJ_{23}	16.0	X	359.72861	187.39058	152.62005	9.81357	0.1730995	0.21074291	2.7966240	21	10 1.4	18.9
166430 2002 PS_{23}	16.1	X	40.66376	138.15835	244.39394	1.83219	0.1998670	0.22114606	2.7082156	21	—	—
166431 2002 PF_{24}	16.1	X	85.58230	349.97846	270.16501	2.30583	0.0454361	0.21339091	2.7734400	21	10 1.9	20.0
166432 2002 PG_{24}	16.6	X	270.08202	77.18566	173.59283	1.68340	0.1275374	0.24001943	2.5643175	21	1 8.8	20.4
166433 2002 PX_{30}	16.0	X	22.67958	189.52742	173.09445	6.81485	0.1016414	0.21689836	2.7434594	21	12 1.1	19.6
166434 2002 PD_{31}	15.5	X	47.86608	13.99667	313.50647	5.89634	0.0900505	0.21644779	2.7472653	21	11 15.5	19.2
166435 2002 PY_{32}	15.7	X	1.66825	79.79088	313.45987	7.83605	0.1881331	0.21623457	2.7490711	21	12 19.2	18.8
166436 2002 PA_{33}	15.6	X	93.56208	4.15741	302.08721	6.90884	0.1274277	0.22042481	2.7141202	21	12 18.7	19.8
166437 2002 PE_{33}	16.0	X	32.23422	86.33951	271.14954	6.62053	0.2324859	0.21792333	2.7348503	21	12 26.3	19.5
166438 2002 PD_{34}	16.3	X	11.54714	355.94128	332.73391	2.80633	0.0735684	0.20994559	2.8037000	21	9 24.2	19.6
166439 2002 PP_{35}	15.6	X	323.83467	106.46662	276.60646	2.61721	0.1076067	0.21031472	2.8004185	21	9 20.3	18.9
166440 2002 PH_{43}	16.1	X	80.24724	335.18156	317.00006	8.79176	0.1922146	0.21838709	2.7309772	21	11 22.4	20.4
166441 2002 PA_{51}	15.8	X	351.17610	114.73662	265.87866	5.12226	0.0377287	0.21625912	2.7488630	21	10 30.9	19.4
166442 2002 PR_{51}	16.2	X	74.01021	216.51416	100.88642	3.49642	0.1525987	0.21986337	2.7187387	21	12 14.6	20.1
166443 2002 PE_{52}	16.2	X	16.67852	316.82969	23.29685	2.39966	0.0997780	0.21396253	2.7684981	21	10 21.5	19.6
166444 2002 PJ_{54}	15.0	X	297.00230	300.48417	129.49512	26.72475	0.2368971	0.21161877	2.7889020	21	10 2.2	18.6
166445 2002 PR_{55}	16.0	X	130.70478	12.27316	257.70072	5.19935	0.3278831	0.22408228	2.6845060	21	12 15.2	21.0
166446 2002 PF_{58}	15.2	X	107.06240	105.70169	315.73919	20.95120	0.1437530	0.23435490	2.6054737	21	2 18.3	18.6
166447 2002 PO_{58}	15.6	X	14.13719	182.42784	153.53109	9.32054	0.1620457	0.21095124	2.7947824	21	10 22.4	18.8
166448 2002 PU_{69}	15.2	X	26.67274	85.11321	244.66369	8.46088	0.1863830	0.21189144	2.7865089	21	11 3.0	18.4
166449 2002 PD_{70}	15.3	X	143.44830	24.45417	201.78830	13.97921	0.0493774	0.21574076	2.7532644	21	10 30.3	19.3
166450 2002 PP_{72}	16.0	X	356.53911	175.27388	199.40304	9.66309	0.2875494	0.21281693	2.7784245	21	11 26.7	18.4
166451 2002 PT_{72}	15.9	X	61.28351	188.64752	215.14413	10.82327	0.2141618	0.22629047	2.6670134	21	—	—
166452 2002 PF_{74}	15.6	X	175.81910	64.98481	191.73946	12.51948	0.1459581	0.22633786	2.6666412	21	—	—
166453 2002 PV_{75}	15.7	X	193.99940	279.21450	325.88415	14.30526	0.0512029	0.22744729	2.6579626	21	—	—
166454 2002 PC_{76}	16.2	X	46.20803	283.48147	26.16739	3.24971	0.0843339	0.21465574	2.7625345	21	10 22.1	19.9
166455 2002 PG_{77}	15.6	X	96.79611	282.68879	336.40671	12.06618	0.2533470	0.21781405	2.7357650	21	10 31.3	20.4
166456 2002 PQ_{77}	15.5	X	63.96021	290.46305	18.96373	7.67063	0.2959463	0.21708416	2.7418938	21	12 9.3	19.9
166457 2002 PR_{80}	15.7	X	14.18137	226.90513	104.04624	8.93244	0.2281658	0.21231479	2.7828035	21	10 26.4	18.7
166458 2002 PA_{82}	15.4	X	68.79741	223.59773	150.53844	13.06813	0.1616938	0.22404037	2.6848407	21	—	—
166459 2002 PL_{89}	15.4	X	81.15698	67.80573	239.37533	11.27478	0.2075167	0.21874001	2.7280389	21	12 14.5	19.7
166460 2002 PC_{90}	15.6	X	351.13384	146.32711	214.51690	12.15899	0.1913913	0.21089858	2.7952476	21	10 10.7	18.4
166461 2002 PL_{90}	15.9	X	125.48376	42.67589	245.00573	10.91960	0.1826389	0.22334929	2.6903761	21	12 28.1	20.4
166462 2002 PX_{92}	15.3	X	63.92760	133.36817	265.75869	13.75042	0.1529241	0.22490812	2.6779305	21	—	—
166463 2002 PH_{93}	15.3	X	297.58862	126.42478	273.89531	15.33377	0.1554446	0.20569799	2.8421654	21	8 18.5	19.1
166464 2002 PQ_{96}	15.7	X	106.67398	282.09857	52.00774	2.02850	0.1069506	0.22483862	2.6784823	21	—	—
166465 2002 PH_{98}	15.3	X	34.84380	259.03721	114.89813	10.11375	0.1589296	0.21776742	2.7361555	21	—	—
166466 2002 PJ_{99}	15.6	X	20.96172	297.93826	136.39301	13.61134	0.2472830	0.22267046	2.6958412	21	—	—
166467 2002 PR_{100}	16.0	X	326.61227	89.22671	323.94914	1.26109	0.0685274	0.21593440	2.7516181	21	11 8.3	19.4
166468 2002 PP_{101}	16.2	X	64.21914	72.42502	176.41357	12.36105	0.1851157	0.21086503	2.7955441	21	9 10.9	20.0
166469 2002 PV_{107}	15.7	X	358.46632	177.07271	174.84518	13.35616	0.1446832	0.21301221	2.7767262	21	10 13.6	18.7
166470 2002 PW_{108}	16.5	X	135.26091	279.69049	38.51569	4.80655	0.1948265	0.22834809	2.6509679	21	—	—
166471 2002 PE_{109}	15.8	X	35.31304	278.03564	108.31866	7.11667	0.0572132	0.22290543	2.6939464	21	—	—
166472 2002 PG_{116}	15.1	X	270.19093	124.12252	305.57246	14.20742	0.1197118	0.20479725	2.8504929	21	8 26.6	19.1
166473 2002 PL_{117}	15.1	X	67.29050	28.70776	252.23758	12.10975	0.1966155	0.21224859	2.7833821	21	10 25.3	19.2
166474 2002 PD_{119}	15.9	X	23.74253	68.44515	292.84672	6.37221	0.2281362	0.21538403	2.7563036	21	12 18.4	19.3
166475 2002 PW_{119}	15.5	X	3.84176	148.77623	235.52209	3.06553	0.0820128	0.21625114	2.7489306	21	11 28.1	18.8
166476 2002 PM_{121}	16.1	X	32.15376	93.93305	197.40497	7.28145	0.2048251	0.20951189	2.8075679	21	9 23.5	19.2
166477 2002 PD_{128}	15.9	X	349.03342	236.06711	117.73221	3.22561	0.1908092	0.20975963	2.8053568	21	9 28.8	18.5
166478 2002 PV_{128}	14.6	X	181.68801	205.72719	121.44313	18.66186	0.1901742	0.18128525	3.0919163	21	1 28.7	19.7
166479 2002 PX_{131}	15.9	X	73.25840	41.05333	306.40167	4.82075	0.0476186	0.22332653	2.6905589	21	—	—
166480 2002 PZ_{131}	15.8	X	315.44651	175.03912	249.04096	5.14248	0.1420154	0.21393540	2.7687322	21	10 31.1	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166481 2002 PP_{136}	15.8	X	353.82867	83.20555	261.20036	1.86909	0.1250334	0.21044500	2.7992626	21	9 19.5	18.9
166482 2002 PY_{137}	15.7	X	63.99801	344.12702	331.99606	4.61031	0.0559394	0.21660185	2.7459625	21	11 16.9	19.5
166483 2002 PC_{138}	15.7	X	11.30674	49.01000	314.88499	5.03563	0.0530170	0.21468586	2.7622761	21	11 6.9	19.3
166484 2002 PT_{138}	14.9	X	78.05894	332.84720	347.83653	15.94162	0.1430411	0.21922157	2.7240424	21	12 22.1	19.3
166485 2002 PA_{141}	14.9	X	7.14305	259.83865	81.99914	16.55023	0.2891818	0.21179371	2.7873661	21	11 7.9	17.7
166486 2002 PM_{150}	16.2	X	354.93435	130.79972	250.12107	1.68952	0.0913992	0.21625253	2.7489188	21	11 10.5	19.5
166487 2002 PG_{157}	15.8	X	19.39726	261.89219	137.33761	12.55647	0.2016735	0.21997913	2.7177848	21	—	—
166488 2002 PO_{158}	15.7	X	71.04635	39.71744	332.35123	5.38440	0.0492985	0.22594850	2.6697038	21	—	—
166489 2002 PS_{158}	15.4	X	123.10035	314.31661	315.76291	3.52193	0.0659538	0.22029290	2.7152035	21	11 30.6	19.5
166490 2002 PH_{159}	16.1	X	25.90873	227.62687	102.27431	5.30271	0.1067724	0.21413823	2.7669836	21	10 25.5	19.5
166491 2002 PQ_{161}	16.4	X	11.77018	359.24311	336.42801	3.02076	0.1030960	0.21214943	2.7842494	21	10 6.8	19.7
166492 2002 PX_{162}	16.4	X	37.03405	265.77265	53.01015	0.96783	0.0656951	0.21371121	2.7706681	21	10 18.8	20.0
166493 2002 PV_{168}	16.8	X	118.40974	330.17302	345.87785	2.06030	0.1026937	0.22455318	2.6807516	21	—	—
166494 2002 PT_{171}	15.8	X	319.59833	148.13207	302.20182	7.87031	0.1193910	0.22017314	2.7161880	21	12 17.4	18.8
166495 2002 PH_{172}	16.3	X	314.04584	135.26062	278.91586	5.03042	0.1317745	0.21257053	2.7805712	21	10 13.8	19.4
166496 2002 PV_{172}	16.8	X	49.20735	241.19592	68.60320	1.34931	0.0597467	0.21436743	2.7650109	21	10 23.1	20.3
166497 2002 QB_{5}	15.6	X	83.87525	343.75842	276.23266	6.18298	0.0356919	0.21077937	2.7963014	21	9 25.7	19.5
166498 2002 QT_{8}	15.2	X	82.96037	320.95076	5.76497	9.86224	0.2119258	0.22129104	2.7070327	21	—	—
166499 2002 QB_{13}	15.4	X	345.39748	178.34670	234.57883	5.23494	0.0547692	0.21810639	2.7333199	21	12 6.6	18.8
166500 2002 QD_{17}	14.9	X	104.94829	147.46766	287.83954	8.01076	0.1279676	0.18338595	3.0682590	21	3 10.9	19.3
166501 2002 QM_{19}	15.5	X	325.25540	270.17258	112.06796	4.89189	0.1076834	0.20918273	2.8105124	21	9 25.6	18.7
166502 2002 QO_{19}	15.5	X	23.14692	330.57512	19.50082	4.96092	0.0381947	0.21420068	2.7664457	21	11 4.7	19.1
166503 2002 QS_{19}	15.8	X	45.14240	310.28568	353.11151	2.29540	0.1676197	0.21224015	2.7834560	21	10 24.1	19.3
166504 2002 QY_{20}	15.5	X	274.15100	265.21030	147.05886	2.61114	0.0754753	0.20524225	2.8463712	21	8 20.5	19.3
166505 2002 QU_{22}	15.5	X	61.49678	31.12854	326.17246	4.71521	0.0813513	0.22273055	2.6953563	21	—	—
166506 2002 QD_{33}	15.6	X	337.31075	290.82009	149.53375	8.49283	0.1954955	0.21674239	2.7447754	21	—	—
166507 2002 QV_{33}	15.8	X	142.51901	297.00528	27.74992	3.09606	0.0804923	0.22801842	2.6535224	21	—	—
166508 2002 QD_{35}	15.5	X	102.42431	198.46973	142.16706	6.79944	0.0462326	0.22410910	2.6842918	21	—	—
166509 2002 QO_{35}	15.5	X	4.77395	271.44911	139.18059	9.88890	0.1594163	0.21763118	2.7372973	21	—	—
166510 2002 QR_{35}	16.0	X	154.94948	197.60603	27.04424	5.76631	0.0192846	0.21519270	2.7579371	21	11 8.6	19.9
166511 2002 QB_{41}	16.5	X	199.40658	263.67463	102.28436	5.56278	0.2415132	0.24240634	2.5474563	21	3 25.8	21.0
166512 2002 QL_{42}	15.9	X	83.57520	283.58352	354.45025	7.91105	0.2133199	0.21776132	2.7362066	21	11 10.1	20.3
166513 2002 QS_{45}	15.5	X	229.82743	2.51978	332.48731	10.77246	0.1332916	0.19007419	2.9958538	21	3 15.6	20.4
166514 2002 QZ_{56}	16.1	X	321.72626	256.19563	72.91381	3.10101	0.0689179	0.20282358	2.8689551	21	7 8.9	19.7
166515 2002 QY_{61}	16.5	X	46.70484	109.65586	212.70098	2.56398	0.1015124	0.21476975	2.7615568	21	11 10.9	20.2
166516 2002 QF_{62}	16.2	X	328.38088	260.17227	178.78885	3.32925	0.1752222	0.21688059	2.7436092	21	12 17.2	18.9
166517 2002 QO_{65}	15.2	X	215.95679	2.20208	315.86156	9.79259	0.0979818	0.18589360	3.0406033	21	2 14.1	20.0
166518 2002 QR_{72}	16.4	X	198.48839	119.37957	306.66725	0.92025	0.0621936	0.19871556	2.9083598	21	6 8.6	20.6
166519 2002 QR_{75}	15.6	X	319.85401	16.98895	27.89960	4.69826	0.0654357	0.21271358	2.7793244	21	10 18.2	19.0
166520 2002 QY_{76}	16.1	X	86.48840	107.20576	202.06740	6.84888	0.0800335	0.22136503	2.7064294	21	12 10.8	20.1
166521 2002 QE_{77}	16.3	X	293.31495	50.14885	36.17005	3.53193	0.0127496	0.21645340	2.7472179	21	11 8.3	20.0
166522 2002 QE_{87}	15.5	X	149.56471	108.32930	89.74121	8.21182	0.0978039	0.21306741	2.7762465	21	10 6.2	19.8
166523 2002 QG_{101}	16.1	X	116.74178	223.19940	71.89738	3.20546	0.0554940	0.22194142	2.7017416	21	12 24.6	19.9
166524 2002 QL_{101}	15.6	X	42.35133	214.80698	117.30196	8.41678	0.0925944	0.21597662	2.7512595	21	11 18.9	19.3
166525 2002 QB_{109}	16.2	X	71.95318	318.62133	315.80673	2.72195	0.0588396	0.21299891	2.7768417	21	10 5.0	19.9
166526 2002 RK	16.1	X	254.71487	294.28161	175.69474	3.65194	0.0509465	0.21059369	2.7979448	21	10 14.2	19.7
166527 2002 RN_{3}	15.7	X	33.22367	139.84104	195.15108	12.64593	0.2102978	0.21537665	2.7563665	21	11 26.6	19.3
166528 2002 RV_{3}	15.7	X	6.82289	230.46146	195.45429	14.57861	0.1565545	0.21956665	2.7211875	21	—	—
166529 2002 RB_{8}	15.3	X	13.77597	17.38398	351.14325	8.66007	0.1611251	0.21419648	2.7664818	21	11 29.9	18.7
166530 2002 RY_{8}	15.8	X	334.72489	301.43575	74.93027	1.61877	0.0840943	0.21065296	2.7974199	21	10 2.7	19.2
166531 2002 RL_{10}	16.0	X	325.46118	21.90740	316.47565	0.45801	0.0812850	0.20436214	2.8545375	21	7 26.1	19.3
166532 2002 RN_{11}	15.6	X	316.01325	212.47230	182.04626	12.90111	0.2423112	0.20552241	2.8437839	21	9 6.1	18.4
166533 2002 RP_{16}	15.3	X	359.63976	238.38402	167.12956	9.76675	0.2192023	0.21494105	2.7600893	21	—	—
166534 2002 RT_{20}	15.0	X	156.75417	254.25058	155.84899	11.73162	0.0969908	0.18710795	3.0274331	21	4 9.6	19.7
166535 2002 RU_{21}	15.1	X	317.31343	264.86408	145.52748	2.91252	0.1983742	0.20936608	2.8088712	21	10 11.7	17.9
166536 2002 RX_{23}	15.9	X	305.14411	188.11805	176.17414	6.01074	0.0808120	0.20383090	2.8594952	21	7 28.9	19.6
166537 2002 RO_{27}	16.1	X	301.96257	241.24574	209.29480	2.79269	0.0603733	0.21331285	2.7741165	21	11 21.4	19.7
166538 2002 RU_{30}	15.3	X	327.66551	76.07749	313.42927	7.92728	0.1639609	0.20894269	2.8126645	21	9 29.7	18.4
166539 2002 RH_{32}	15.4	X	274.58583	150.52839	329.68648	8.96372	0.1061233	0.21434810	2.7651772	21	11 11.4	19.2
166540 2002 RF_{34}	15.1	X	265.99622	307.39513	10.02945	9.98983	0.1017383	0.19158569	2.9800760	21	4 5.0	19.6
166541 2002 RM_{37}	15.0	X	120.98437	103.33723	311.31660	7.77384	0.0744490	0.18436244	3.0574152	21	2 27.4	19.4
166542 2002 RU_{40}	16.0	X	163.02903	251.08441	47.03674	2.42941	0.1935460	0.22890764	2.6466460	21	—	—
166543 2002 RR_{41}	15.6	X	3.68096	19.61483	25.87928	5.45479	0.1583460	0.21711876	2.7416025	21	—	—
166544 2002 RL_{45}	16.3	X	267.69670	302.49903	69.62217	1.82812	0.2564473	0.19879873	2.9075485	21	5 26.9	20.6
166545 2002 RJ_{52}	15.8	X	304.45259	297.65665	59.64081	2.66100	0.2102155	0.20145625	2.8819220	21	6 29.7	19.3
166546 2002 RJ_{56}	15.9	X	149.33815	73.31594	220.26921	4.56709	0.1439956	0.22387813	2.6861377	21	—	—
166547 2002 RL_{57}	15.6	X	49.13445	113.30354	216.03608	4.35627	0.1760216	0.21422185	2.7662634	21	12 3.7	19.3
166548 2002 RF_{58}	15.5	X	46.05250	134.22884	217.80890	3.44141	0.2697010	0.21621666	2.7492229	21	—	—
166549 2002 RT_{60}	15.1	X	325.07850	99.23598	327.27484	13.57232	0.1670055	0.21285602	2.7780843	21	11 16.5	18.3
166550 2002 RW_{66}	15.2	X	70.61436	2.45245	272.51880	7.19585	0.1864662	0.21079281	2.7961825	21	10 19.9	19.4
166551 2002 RH_{68}	15.3	X	296.98041	166.50213	301.50529	11.19992	0.1164380	0.21694410	2.7430738	21	11 30.9	18.8
166552 2002 RY_{73}	15.5	X	305.92044	37.88494	296.94904	1.25710	0.0586700	0.20045901	2.8914720	21	6 24.4	19.4
166553 2002 RL_{86}	17.2	X	193.93859	261.06209	358.87364	20.76645	0.0525274	0.38132727	1.8833779	21	—	—
166554 2002 RP_{88}	15.7	X	302.02433	334.59016	155.25612	4.45812	0.0366154	0.22218804	2.6997420	21	—	—
166555 2002 RY_{89}	15.5	X	209.32389	168.71419	177.14293	11.98983	0.0953185	0.18695747	3.0290574	21	3 12.8	20.2
166556 2002 RC_{94}	14.8	X	171.46948	64.29448	18.59501	11.21144	0.0535112	0.19217137	2.9740180	21	5 27.9	19.3
166557 2002 RH_{97}	16.0	X	261.44387	116.84239	192.63196	13.79841	0.2665985	0.19177228	2.9781426	21	3 4.7	21.2
166558 2002 RB_{99}	17.6	X	54.73654	79.15109	6.23116	17.49748	0.1172619	0.38432650	1.8735667	21	—	—
166559 2002 RE_{100}	14.7	X	87.47662	257.11062	201.16156	15.45729	0.2158011	0.17830335	3.1262933	21	4 3.3	19.0
166560 2002 RP_{102}	14.9	X	194.13261	39.75202	24.32638	10.59787	0.1584122	0.18917831	3.0053046	21	5 29.0	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166561 2002 RY_{103}	14.8	X	140.47674	53.44197	17.32149	13.52468	0.1695113	0.18368794	3.0648952	21	4 19.5	19.6
166562 2002 RL_{104}	14.5	X	147.89976	25.96255	27.05068	16.12039	0.0758931	0.18283412	3.0744296	21	4 2.4	19.1
166563 2002 RS_{104}	15.0	X	166.88812	20.50648	27.34990	15.57991	0.2831785	0.18403352	3.0610570	21	4 21.6	20.5
166564 2002 RB_{107}	14.3	X	77.34680	63.21783	48.88861	22.33624	0.3759995	0.17302704	3.1895303	21	5 4.3	18.7
166565 2002 RE_{109}	16.0	X	330.26519	252.23587	140.94125	2.17269	0.0870363	0.21149124	2.7900230	21	10 18.5	19.3
166566 2002 RQ_{110}	14.9	X	241.78985	59.85283	331.43773	9.85341	0.1508336	0.19544987	2.9406666	21	6 3.8	19.7
166567 2002 RF_{113}	15.7	X	251.15216	241.89018	141.45022	2.97011	0.0785499	0.19919918	2.9036506	21	6 13.5	19.9
166568 2002 RH_{114}	15.4	X	191.32169	201.43780	3.05772	5.21570	0.0112872	0.21734545	2.7396958	21	11 28.1	19.2
166569 2002 RH_{115}	15.3	X	27.42252	119.41854	245.62432	4.08671	0.0773608	0.21618422	2.7494979	21	12 6.2	18.8
166570 Adolfträger	14.6	X	70.00644	89.23638	303.51159	6.54475	0.0924479	0.16994052	3.2280339	21	—	—
166571 2002 RF_{120}	15.8	X	119.23578	189.91733	96.84673	6.26386	0.1372861	0.22105546	2.7089556	21	12 20.7	20.2
166572 2002 RU_{120}	15.6	X	225.24828	101.85871	326.05176	3.28845	0.1203959	0.19903819	2.9052161	21	7 7.2	19.9
166573 2002 RE_{123}	15.4	X	276.19681	332.95204	115.52060	9.36920	0.1139236	0.20845402	2.8170585	21	10 9.4	19.2
166574 2002 RD_{127}	15.5	X	180.18362	7.98082	257.20006	13.21886	0.0067416	0.22537193	2.6742551	21	—	—
166575 2002 RV_{127}	15.3	X	59.90318	45.13941	264.52267	12.76131	0.0443035	0.21425489	2.7659790	21	10 31.1	19.3
166576 2002 RA_{129}	15.4	X	52.19329	166.38074	200.63645	5.53742	0.1016875	0.21898474	2.7260061	21	—	—
166577 2002 RO_{134}	15.0	X	263.61959	229.94240	133.66297	12.91350	0.0734492	0.19640231	2.9311519	21	6 6.2	19.3
166578 2002 RR_{134}	15.1	X	254.71649	224.42702	115.18740	11.92653	0.1043229	0.19233349	2.9723465	21	4 25.7	19.7
166579 2002 RR_{135}	15.6	X	343.31948	331.90244	86.27979	10.57729	0.2682432	0.21211703	2.7845330	21	12 25.1	17.7
166580 2002 RK_{136}	15.5	X	354.72606	225.71114	129.40666	10.45322	0.2081570	0.20929113	2.8095418	21	10 17.9	18.4
166581 2002 RX_{140}	15.6	X	126.48758	265.11008	33.53985	12.90776	0.1957037	0.22245230	2.6976035	21	—	—
166582 2002 RP_{149}	16.0	X	250.68650	56.88603	322.96179	1.23004	0.1163159	0.19712589	2.9239747	21	6 3.6	20.4
166583 2002 RB_{150}	15.5	X	302.84617	118.55973	318.80943	7.12110	0.0636506	0.21209859	2.7846943	21	11 1.5	19.3
166584 2002 RB_{156}	16.2	X	286.16499	151.75816	249.49174	1.27789	0.1605920	0.20392661	2.8586004	21	8 8.7	19.9
166585 2002 RP_{158}	15.7	X	229.88086	220.14592	335.81009	3.88517	0.1274650	0.22058809	2.7127806	21	12 20.7	19.6
166586 2002 RO_{160}	16.3	X	350.58856	156.02943	298.25286	1.00159	0.0436680	0.22301132	2.6930936	21	—	—
166587 2002 RS_{160}	16.1	X	259.92398	244.38799	312.85888	0.50226	0.0720198	0.22600585	2.6692521	21	—	—
166588 2002 RY_{161}	16.2	X	203.18347	167.34001	234.95036	1.34385	0.1195222	0.19344503	2.9609494	21	5 13.4	20.9
166589 2002 RG_{165}	15.6	X	335.37827	179.06444	219.82146	8.52124	0.2827939	0.20974247	2.8055098	21	11 2.7	17.2
166590 2002 RV_{167}	15.9	X	229.11191	191.13459	210.26305	1.28894	0.1118332	0.19649234	2.9302564	21	6 8.1	20.3
166591 2002 RZ_{167}	16.0	X	204.25320	176.40170	163.90086	2.04026	0.1107840	0.18555382	3.0443141	21	3 1.7	20.8
166592 2002 RS_{171}	15.9	X	339.97907	342.62480	29.67633	8.70761	0.2326154	0.20892285	2.8128425	21	10 6.0	18.2
166593 2002 RO_{173}	16.1	X	279.80034	204.81555	205.83800	3.49285	0.0787275	0.20366382	2.8610589	21	8 24.1	19.8
166594 2002 RQ_{173}	15.5	X	263.48444	111.95433	189.71818	10.90737	0.0456137	0.18748861	3.0233340	21	3 20.8	19.8
166595 2002 RE_{179}	15.7	X	341.04070	20.62047	314.86913	1.12436	0.0728069	0.20346169	2.8629534	21	8 16.4	19.1
166596 2002 RG_{179}	16.0	X	289.64816	200.81456	213.79813	1.25575	0.0991946	0.20550296	2.8439634	21	9 10.4	19.7
166597 2002 RA_{184}	15.1	X	44.90599	163.48638	237.43951	9.28850	0.2379997	0.22051618	2.7133704	21	—	—
166598 2002 RW_{196}	15.6	X	74.09767	227.66470	96.56245	10.12065	0.1493322	0.21759091	2.7376350	21	12 22.2	19.5
166599 2002 RY_{199}	15.4	X	42.52890	146.67966	8.16632	5.85010	0.0654045	0.18617947	3.0374900	21	3 22.1	19.3
166600 2002 RZ_{206}	15.9	X	327.26361	251.37154	178.40172	1.71518	0.2129026	0.21224197	2.7834401	21	11 30.4	18.4
166601 2002 RR_{208}	16.6	X	319.46469	188.74123	234.03398	0.20199	0.0810623	0.21159794	2.7890851	21	11 9.2	20.0
166602 2002 RO_{209}	15.4	X	92.72237	289.34199	11.31198	12.53555	0.0843755	0.21516529	2.7581714	21	12 3.5	19.6
166603 2002 RY_{212}	15.4	X	139.69628	46.11939	218.96962	8.83262	0.1485960	0.22075046	2.7114502	21	12 13.8	19.8
166604 2002 RJ_{217}	16.0	X	310.66148	59.02929	289.36778	0.97469	0.1222197	0.20338240	2.8636974	21	7 11.2	19.5
166605 2002 RK_{220}	15.6	X	174.49668	237.59576	138.20625	7.16430	0.0958219	0.18656324	3.0333231	21	3 16.3	20.3
166606 2002 RQ_{227}	16.3	X	4.50147	343.89627	327.07975	4.98901	0.0299510	0.25655553	2.4529110	21	8 21.9	19.2
166607 2002 RF_{229}	14.8	X	295.37464	134.50174	206.34180	11.55506	0.0682512	0.19751234	2.9201594	21	6 16.1	18.9
166608 2002 RS_{231}	15.7	X	146.64886	292.68921	300.70429	3.23087	0.0177899	0.21426598	2.7658836	21	11 9.1	19.6
166609 2002 RF_{232}	15.6	X	137.76115	243.83063	158.36019	9.98108	0.0792240	0.18545206	3.0454275	21	3 6.5	20.1
166610 2002 RC_{234}	16.4	X	43.46766	252.35442	153.30479	2.19679	0.0778972	0.22388779	2.6860604	21	—	—
166611 2002 RT_{239}	16.5	X	280.17422	200.94643	155.45745	3.05961	0.1061013	0.20037056	2.8923229	21	6 10.8	20.5
166612 2002 RZ_{243}	15.4	X	144.56940	298.85496	176.22208	10.43906	0.0537788	0.19794659	2.9158870	21	6 10.2	19.8
166613 2002 RA_{244}	15.7	X	1.09457	233.98690	187.90601	3.79978	0.0855985	0.22068687	2.7119711	21	—	—
166614 Zsazsa	16.2	X	4.73257	75.48081	31.60913	0.85811	0.0133604	0.23019533	2.6367667	21	—	—
166615 2002 RZ_{268}	16.5	X	254.17554	57.10460	316.83492	0.99989	0.0422349	0.19911730	2.9044465	21	6 9.4	20.5
166616 2002 RE_{275}	16.3	X	10.32027	292.69350	92.04321	2.64004	0.0626049	0.21848469	2.7301638	21	12 6.4	19.7
166617 2002 SN_{2}	15.7	X	226.32467	246.07402	147.72181	2.77191	0.1004056	0.19400239	2.9552757	21	5 28.1	20.1
166618 2002 SF_{5}	15.2	X	207.28318	37.80296	17.80879	10.77071	0.1077783	0.19355196	2.9598588	21	6 1.3	20.0
166619 2002 SA_{7}	15.4	X	136.97798	194.62526	42.40915	5.68157	0.1046298	0.21200143	2.7855451	21	11 5.8	19.6
166620 2002 SG_{7}	15.7	X	257.33113	281.68138	113.32470	3.21899	0.0643552	0.19825094	2.9129020	21	7 8.1	19.7
166621 2002 SQ_{10}	15.2	X	207.39112	359.88398	60.24589	4.06684	0.1519545	0.19339599	2.9614501	21	6 7.3	19.9
166622 Sebastien	14.7	X	254.16400	62.72531	283.92150	13.98368	0.0800708	0.19171153	2.9787718	21	4 26.4	19.3
166623 2002 SQ_{17}	15.1	X	73.76631	227.47463	189.67140	9.63117	0.0625818	0.17493439	3.1663038	21	1 3.6	19.5
166624 2002 SU_{17}	16.0	X	304.91675	200.85165	185.95289	1.76635	0.0837806	0.20394644	2.8584151	21	8 28.8	19.6
166625 2002 SM_{20}	15.7	X	292.10590	278.93363	13.44418	6.27470	0.1973669	0.19237884	2.9718794	21	3 23.7	20.0
166626 2002 SL_{21}	15.2	X	344.63051	259.72967	34.77382	6.37939	0.0605236	0.19835822	2.9118517	21	6 27.2	18.9
166627 2002 SO_{21}	15.6	X	301.47411	65.87959	17.06109	7.60932	0.2023426	0.20932924	2.8092008	21	10 23.7	18.4
166628 2002 SS_{22}	15.4	X	314.48795	174.14819	204.83589	8.05912	0.2165623	0.20532529	2.8456037	21	8 13.4	18.7
166629 2002 SN_{24}	15.3	X	317.44843	263.76488	64.53948	2.99909	0.0511372	0.19830147	2.9124072	21	7 3.4	19.2
166630 2002 SW_{25}	15.0	X	75.24481	255.78190	162.33458	9.78187	0.0811909	0.17443132	3.1723888	21	1 9.2	19.3
166631 2002 SB_{26}	15.2	X	14.96005	303.51384	67.17416	4.22768	0.1204325	0.21220369	2.7837748	21	11 30.5	18.6
166632 2002 SP_{30}	14.4	X	106.98579	63.19651	31.20984	15.49211	0.2579226	0.18203965	3.0833681	21	4 25.9	19.2
166633 2002 SB_{32}	16.0	X	162.94084	267.34329	145.89310	7.93056	0.3034130	0.18544386	3.0455173	21	4 29.3	21.5
166634 2002 SR_{32}	15.9	X	311.79668	129.70986	199.62311	8.72553	0.1766424	0.19900611	2.9055283	21	6 8.8	19.6
166635 2002 SD_{34}	16.0	X	230.17345	250.12587	127.44237	1.34234	0.1381075	0.19333709	2.9620514	21	5 9.0	20.6
166636 2002 SZ_{38}	16.0	X	17.07656	321.67883	48.70484	5.00372	0.0821062	0.21288371	2.7778434	21	11 28.1	19.5
166637 2002 SU_{40}	14.8	X	298.78508	268.04606	82.11239	3.71432	0.0588245	0.19917345	2.9039006	21	7 5.0	18.5
166638 2002 SJ_{46}	15.0	X	213.66854	16.28047	198.88900	12.57676	0.0959868	0.21744328	2.7388740	21	12 28.1	19.2
166639 2002 SK_{46}	15.0	X	294.70054	6.57058	25.05451	7.96784	0.1655980	0.20163342	2.8802336	21	8 11.5	18.7
166640 2002 SV_{49}	14.9	X	220.83123	238.84515	152.38683	9.35626	0.1017364	0.19152783	2.9806762	21	5 20.9	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166641 2002 SF_{55}	15.6	X	244.49319	91.37725	325.82238	6.74178	0.1809092	0.19939447	2.9017543	21	7 8.4	20.1
166642 2002 SF_{56}	15.9	X	23.40396	38.75684	276.08437	3.80546	0.1240594	0.20869554	2.8148847	21	9 28.1	19.3
166643 2002 SN_{56}	14.9	X	183.56335	271.94982	150.19457	9.34687	0.0835404	0.19035936	2.9928610	21	5 21.0	19.6
166644 2002 SW_{58}	15.8	X	119.34933	337.21033	68.79440	0.30805	0.1800336	0.17970677	3.1099955	21	3 3.5	20.4
166645 2002 TV_{1}	15.0	X	221.90873	317.52567	24.24135	15.96327	0.0977182	0.18542227	3.0457537	21	3 25.1	19.8
166646 2002 TJ_{4}	14.8	X	82.84200	56.13288	40.70025	10.41221	0.2112071	0.17772816	3.1330348	21	3 30.2	19.0
166647 2002 TM_{6}	15.2	X	348.12131	259.38453	93.92039	3.13308	0.0943138	0.20563404	2.8427547	21	9 23.4	18.5
166648 2002 TQ_{7}	15.5	X	119.36522	211.64077	53.92229	4.78555	0.0543207	0.21366014	2.7711097	21	11 19.8	19.6
166649 2002 TB_{11}	15.7	X	65.89818	344.54372	316.56755	2.87862	0.0793542	0.21279691	2.7785987	21	11 3.4	19.5
166650 2002 TN_{14}	15.2	X	180.04631	282.66326	173.56571	7.54712	0.1564904	0.19321891	2.9632591	21	6 26.6	20.1
166651 2002 TK_{16}	15.4	X	312.36746	20.54862	55.09404	5.20477	0.0445447	0.21240730	2.7819955	21	11 17.5	18.9
166652 2002 TX_{18}	15.4	X	325.04518	74.71953	338.29115	3.68441	0.0632688	0.21076508	2.7964278	21	11 3.9	18.8
166653 2002 TT_{20}	16.4	X	311.54940	204.89445	173.30391	2.05160	0.0790917	0.20362629	2.8614104	21	8 27.9	19.9
166654 2002 TO_{23}	15.0	X	113.73787	239.61278	189.87963	15.52092	0.0586822	0.18139421	3.0906780	21	3 7.2	19.4
166655 2002 TS_{23}	15.5	X	308.25057	229.62610	138.42119	2.74516	0.0781612	0.20131080	2.8833099	21	8 9.3	19.1
166656 2002 TX_{23}	16.0	X	141.65496	240.97800	134.18740	1.97150	0.1918266	0.17882526	3.1202075	21	2 18.7	20.8
166657 2002 TV_{24}	15.7	X	173.03755	260.39217	80.45309	0.12176	0.1355877	0.17876120	3.1209529	21	2 3.3	20.7
166658 2002 TG_{28}	14.9	X	175.29966	56.94489	28.87658	10.68073	0.1417868	0.19055625	2.9907991	21	6 7.9	19.8
166659 2002 TS_{33}	15.8	X	254.28617	356.09467	60.16671	2.33582	0.0457321	0.20096564	2.8866104	21	8 4.7	19.7
166660 2002 TT_{33}	16.2	X	216.69610	46.35108	20.61242	1.96305	0.0899222	0.19661925	2.9289954	21	6 28.9	20.6
166661 2002 TX_{37}	14.9	X	337.54885	316.08206	52.17496	15.91001	0.1528654	0.20377754	2.8599943	21	10 1.9	18.2
166662 2002 TL_{44}	15.7	X	323.96939	343.76978	102.66055	4.22946	0.2371504	0.21387379	2.7692639	21	12 17.5	17.9
166663 2002 TO_{46}	15.5	X	264.48038	238.17605	105.19627	1.56933	0.1827389	0.19191583	2.9766574	21	4 27.4	19.9
166664 2002 TH_{49}	15.0	X	200.06058	336.25540	32.26967	10.97857	0.1213041	0.18391147	3.0624112	21	4 2.7	19.9
166665 2002 TB_{56}	15.4	X	282.39249	79.34004	359.78257	8.83582	0.1117543	0.20619561	2.8375908	21	9 30.4	19.1
166666 2002 TN_{57}	15.1	X	219.91524	288.74363	96.69729	4.02607	0.1479548	0.18969746	2.9998189	21	5 9.1	19.9
166667 2002 TU_{57}	15.6	X	215.86235	118.15004	286.76418	9.42370	0.1449255	0.19508596	2.9443225	21	5 27.1	20.3
166668 2002 TM_{58}	15.2	X	123.31596	59.13450	18.57087	2.39294	0.0737162	0.18353039	3.0666489	21	4 1.5	19.6
166669 2002 TQ_{61}	15.3	X	314.54779	124.64594	305.49636	8.24105	0.1335819	0.21044231	2.7992864	21	11 4.3	18.6
166670 2002 TY_{63}	15.2	X	244.65094	109.32930	343.89303	7.41518	0.1765520	0.20124800	2.8839098	21	8 23.8	19.6
166671 2002 TP_{72}	15.2	X	74.58571	122.62268	284.13288	3.81164	0.1495314	0.17195606	3.2027600	21	1 3.9	19.2
166672 2002 TM_{77}	15.4	X	178.80545	31.15132	356.83331	7.11544	0.2187490	0.18516216	3.0486054	21	4 4.8	20.7
166673 2002 TZ_{79}	14.5	X	174.47082	297.92757	60.38477	13.25830	0.1301856	0.17953364	3.1119945	21	3 2.9	19.6
166674 2002 TR_{84}	15.1	X	253.49329	200.89216	151.36993	10.54908	0.0977867	0.19209594	2.9747965	21	5 8.8	19.6
166675 2002 TD_{86}	15.8	X	156.30906	68.43298	343.08837	4.83806	0.2042787	0.18480625	3.0525183	21	4 13.4	20.9
166676 2002 TO_{92}	15.6	X	290.31486	256.27384	38.74829	0.51253	0.0977016	0.19053186	2.9910544	21	4 7.2	19.6
166677 2002 TH_{99}	15.0	X	312.58862	299.83193	291.01480	3.84087	0.1030254	0.18320906	3.0702336	21	2 13.9	19.3
166678 2002 TY_{107}	15.3	X	227.94464	302.23326	104.06844	8.27553	0.1532053	0.19538255	2.9413420	21	6 10.4	20.0
166679 2002 TS_{109}	15.2	X	47.24708	165.42321	140.92579	14.54008	0.1782694	0.21015959	2.8017964	21	11 7.0	19.2
166680 2002 TN_{110}	15.3	X	170.15437	354.98607	48.36052	19.34507	0.2796724	0.18564823	3.0432818	21	4 22.9	20.8
166681 2002 TZ_{111}	15.4	X	214.23351	201.03983	158.48765	10.68237	0.1118827	0.18956545	3.0012114	21	4 5.2	20.2
166682 2002 TM_{112}	15.0	X	9.96823	159.10502	99.43157	3.29056	0.0399425	0.19566612	2.9384995	21	6 16.8	18.7
166683 2002 TN_{114}	14.6	X	224.64993	144.88600	260.88810	10.89279	0.0578345	0.19485747	2.9466237	21	6 13.2	18.9
166684 2002 TA_{119}	14.5	X	68.82542	126.33989	5.28120	27.53262	0.1309560	0.18171982	3.0869850	21	4 2.9	18.6
166685 2002 TB_{119}	14.8	X	40.44140	66.03461	257.54698	8.14964	0.1295699	0.20995615	2.8036060	21	11 5.8	18.5
166686 2002 TN_{121}	15.2	X	150.10485	37.29183	358.24251	13.74762	0.0685336	0.18107714	3.0942849	21	3 12.3	19.7
166687 2002 TE_{133}	15.2	X	104.15276	192.84864	261.46801	5.82970	0.1414635	0.18263705	3.0766408	21	4 5.9	19.7
166688 2002 TA_{135}	15.0	X	339.23672	269.09314	333.34263	9.81144	0.0611825	0.18879781	3.0093411	21	4 6.8	19.0
166689 2002 TZ_{138}	15.0	X	223.05267	56.39532	348.57582	9.67977	0.1163756	0.19262049	2.9693934	21	6 4.4	19.8
166690 2002 TG_{143}	15.2	X	221.95535	201.87219	146.66919	8.99713	0.1422731	0.18725636	3.0258333	21	3 29.5	20.1
166691 2002 TM_{144}	15.2	X	223.99855	238.59604	105.41980	17.14659	0.2455739	0.18705160	3.0280411	21	3 27.4	20.8
166692 2002 TE_{148}	15.8	X	277.84446	0.48854	228.37877	12.55674	0.1157443	0.23525690	2.5988096	21	—	—
166693 2002 TT_{149}	16.9	X	270.80627	258.95564	141.77806	1.20052	0.1549017	0.20052747	2.8908139	21	7 19.4	20.9
166694 2002 TU_{159}	14.8	X	138.56160	316.95046	119.24065	12.14979	0.1287485	0.18419378	3.0592813	21	4 27.7	19.7
166695 2002 TL_{164}	16.8	X	9.11086	4.74510	67.07114	23.36174	0.0604207	0.37528870	1.9035271	21	—	—
166696 2002 TG_{165}	15.4	X	7.74306	278.98812	99.29059	8.38748	0.2328985	0.21177931	2.7874925	21	12 15.2	18.3
166697 2002 TU_{169}	14.6	X	11.21970	330.19546	292.09038	13.04253	0.1180826	0.19778889	2.9174368	21	6 26.8	17.9
166698 2002 TE_{172}	15.0	X	199.87250	333.29328	333.03443	16.82157	0.1849046	0.17999230	3.1067056	21	1 23.1	20.3
166699 2002 TA_{174}	15.1	X	255.15595	300.77521	51.75376	11.94660	0.1211656	0.19339152	2.9614956	21	5 5.7	19.6
166700 2002 TN_{174}	15.4	X	200.58724	2.14078	47.94075	11.31545	0.1000539	0.19192923	2.9765189	21	5 20.1	20.0
166701 2002 TJ_{175}	15.5	X	236.54967	285.60706	138.31434	8.67675	0.1696442	0.19767341	2.9185729	21	7 8.7	20.1
166702 2002 TX_{177}	14.8	X	219.02147	128.40199	329.33856	15.37710	0.2696407	0.19508955	2.9442864	21	7 30.4	19.9
166703 2002 TT_{178}	15.0	X	197.33652	47.24353	293.97776	12.83288	0.1548722	0.18100957	3.0950549	21	2 20.8	20.2
166704 2002 TJ_{179}	15.0	X	229.17190	130.99924	287.35861	14.47558	0.1537578	0.19348203	2.9605720	21	6 26.7	19.6
166705 2002 TC_{182}	15.2	X	306.21185	110.21038	232.52607	11.70772	0.1752625	0.19622647	2.9329027	21	6 17.7	18.9
166706 2002 TQ_{187}	14.8	X	291.11073	164.89809	207.88454	7.58531	0.0745611	0.20016332	2.8943190	21	7 20.1	18.8
166707 2002 TS_{192}	15.0	X	234.84639	41.85451	273.84849	13.56830	0.1851713	0.18302863	3.0722510	21	2 20.4	20.3
166708 2002 TD_{195}	15.4	X	208.50168	203.98194	205.96393	7.77308	0.1264179	0.19096451	2.9865350	21	5 28.7	20.1
166709 2002 TM_{198}	15.2	X	284.96288	123.09188	207.02333	16.19003	0.1122801	0.19580863	2.9370737	21	5 13.7	19.4
166710 2002 TA_{199}	15.1	X	281.75740	27.81614	289.33083	9.36836	0.2280260	0.19178820	2.9779778	21	4 2.3	19.8
166711 2002 TL_{200}	15.0	X	203.23491	162.21054	272.51444	9.04780	0.0770008	0.19355376	2.9598405	21	6 24.6	19.5
166712 2002 TP_{203}	15.3	X	107.52256	261.47072	170.54149	16.02117	0.2562895	0.17867125	3.1220003	21	4 2.3	20.0
166713 2002 TJ_{204}	15.4	X	358.76804	24.60631	45.75396	11.86376	0.0648621	0.21786861	2.7353082	21	—	—
166714 2002 TP_{205}	14.7	X	232.14306	117.71149	242.90789	8.52826	0.1285576	0.18914028	3.0057073	21	4 18.9	19.4
166715 2002 TY_{206}	14.8	X	235.11845	354.03133	13.59398	10.83740	0.1127790	0.18995938	2.9970608	21	4 30.7	19.5
166716 2002 TX_{208}	15.3	X	245.80901	241.96303	89.81512	12.24119	0.0999597	0.18839219	3.0136591	21	4 8.2	20.1
166717 2002 TF_{210}	15.3	X	178.16541	183.83925	205.59748	9.02537	0.0938954	0.18394567	3.0620316	21	4 2.8	20.1
166718 2002 TL_{213}	15.3	X	169.29397	191.36237	200.23199	10.51501	0.0052306	0.18452327	3.0556384	21	3 21.2	19.6
166719 2002 TS_{217}	15.1	X	337.66918	6.24793	204.84918	10.67907	0.0250903	0.17919705	3.1158902	21	3 2.7	19.5
166720 2002 TP_{226}	14.7	X	129.90051	358.33893	82.00438	6.94342	0.1494050	0.18142042	3.0903803	21	4 23.4	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166721 2002 TQ_{227}	15.2	X	151.66574	268.44070	133.40589	3.49060	0.1223848	0.18085952	3.0967666	21	3 26.3	20.0
166722 2002 TO_{228}	15.3	X	195.78652	261.67886	192.52447	10.98597	0.0858187	0.19493535	2.9458388	21	7 9.3	20.0
166723 2002 TY_{238}	14.7	X	128.04592	217.72743	231.01055	11.95392	0.2549889	0.17956538	3.1116278	21	5 9.1	19.7
166724 2002 TF_{242}	15.2	X	95.49990	287.18170	162.41027	13.13846	0.1742607	0.17814195	3.1281813	21	3 30.6	19.6
166725 2002 TY_{244}	15.3	X	208.57972	301.90123	168.57503	2.97855	0.1598494	0.19700938	2.9251274	21	8 9.1	20.0
166726 2002 TJ_{246}	15.5	X	185.95320	23.18285	3.17863	8.94986	0.1418196	0.18537963	3.0462208	21	4 7.1	20.3
166727 2002 TQ_{246}	14.7	X	103.02711	262.79017	217.01664	24.96117	0.2287304	0.18251627	3.0779980	21	5 20.5	19.4
166728 2002 TV_{248}	15.4	X	238.14279	276.85654	18.48883	1.01452	0.1583806	0.18304083	3.0721145	21	2 7.7	20.3
166729 2002 TH_{251}	15.0	X	236.84128	329.70070	46.53628	12.57726	0.1610955	0.19229953	2.9726965	21	5 11.3	19.7
166730 2002 TG_{256}	16.1	X	304.98870	343.82358	36.20424	2.50845	0.0985546	0.20159384	2.8806106	21	8 19.2	19.7
166731 2002 TB_{259}	15.1	X	140.96888	261.90048	207.02607	15.88726	0.1974544	0.18504622	3.0498787	21	6 9.2	20.3
166732 2002 TS_{268}	14.6	X	205.83162	147.99835	233.25298	8.76397	0.0880833	0.18939241	3.0030392	21	4 20.0	19.2
166733 2002 TW_{269}	15.1	X	244.22545	11.25215	292.19636	4.72415	0.1875946	0.18557960	3.0440320	21	2 18.5	20.1
166734 2002 TC_{274}	15.9	X	289.53586	131.10054	214.39542	18.33668	0.3241441	0.19796733	2.9156834	21	5 8.5	20.2
166735 2002 TW_{274}	14.9	X	241.84064	197.57576	237.89159	7.36705	0.0244177	0.19902339	2.9053602	21	8 12.7	19.2
166736 2002 TP_{276}	16.4	X	112.75481	136.49507	249.67944	2.07492	0.0993958	0.22710135	2.6606612	21	1 10.4	19.8
166737 2002 TD_{280}	15.4	X	186.35223	40.79762	356.27637	9.30689	0.1036375	0.18621465	3.0371074	21	4 18.2	20.2
166738 2002 TV_{290}	15.0	X	207.66407	39.40026	12.46949	10.36852	0.1056784	0.19015560	2.9949987	21	5 28.0	19.8
166739 2002 TX_{290}	15.2	X	355.78916	130.97888	297.81918	8.30549	0.2097925	0.21308949	2.7760548	21	—	—
166740 2002 TN_{291}	14.8	X	207.21327	47.37115	19.05484	9.74090	0.1052889	0.19040626	2.9923696	21	6 16.4	19.5
166741 2002 TU_{293}	15.3	X	261.57186	330.84760	346.68481	6.13853	0.0989814	0.18748287	3.0233957	21	3 31.1	19.8
166742 2002 TO_{297}	15.4	X	298.64864	283.73451	28.01220	4.39868	0.1382359	0.19214612	2.9742785	21	5 2.5	19.4
166743 2002 TQ_{297}	15.7	X	246.44815	162.86758	247.21192	0.96397	0.0560586	0.19580122	2.9371477	21	7 15.1	19.7
166744 2002 TU_{298}	14.9	X	71.67826	116.67093	29.95798	16.83722	0.0267720	0.18389080	3.0626407	21	4 17.0	18.9
166745 Pindor	15.3	X	163.71241	167.79451	166.18360	12.04758	0.0497955	0.17554982	3.1588993	21	1 10.3	20.1
166746 Marcpostman	15.0	X	346.03970	100.77140	161.98043	11.91886	0.0814947	0.19162656	2.9796522	21	5 19.2	19.0
166747 Gordonrichards	15.6	X	111.98574	257.30333	170.24643	16.64095	0.2449842	0.17736890	3.1372640	21	3 31.1	20.4
166748 Timrayschneider	16.0	X	0.18650	97.17039	217.71345	1.24043	0.0647383	0.20401491	2.8577755	21	8 17.9	19.5
166749 Sesar	15.0	X	119.33042	218.43615	175.53192	13.19092	0.1947176	0.17705054	3.1410236	21	2 17.5	19.7
166750 2002 TF_{376}	16.1	X	277.38554	0.88498	116.55172	1.65901	0.0210658	0.21372432	2.7705549	21	11 26.4	19.7
166751 2002 UZ_{2}	15.1	X	3.47977	164.34645	148.09263	13.39904	0.1123474	0.20168574	2.8797354	21	8 22.3	18.5
166752 2002 UC_{6}	15.3	X	255.06471	209.22193	161.80591	12.30248	0.1087889	0.19400571	2.9552419	21	5 31.8	19.9
166753 2002 UJ_{6}	15.2	X	299.61116	52.42244	58.05561	14.27938	0.1899676	0.21134075	2.7913474	21	11 29.7	18.2
166754 2002 US_{13}	15.2	X	230.09910	252.57446	180.57146	10.68283	0.1484716	0.19500536	2.9451337	21	7 14.4	20.0
166755 2002 UK_{17}	15.5	X	147.60131	358.55228	32.40267	5.84701	0.1314748	0.17898997	3.1182929	21	3 11.3	20.3
166756 2002 UB_{20}	15.1	X	114.06392	76.43801	24.40244	4.91259	0.1424552	0.18280599	3.0747450	21	4 27.6	19.5
166757 2002 UM_{23}	16.5	X	110.55680	60.25589	251.52848	20.55384	0.0493978	0.37311645	1.9109080	21	—	—
166758 2002 UL_{25}	14.7	X	265.27879	257.42820	9.45676	15.57506	0.0502732	0.17954690	3.1118413	21	2 16.5	19.4
166759 2002 UN_{26}	15.0	X	54.97896	313.71930	184.57729	10.54405	0.0306513	0.18086796	3.0966702	21	3 15.2	19.3
166760 2002 UW_{26}	15.1	X	266.66597	261.06852	115.28870	5.79368	0.1380073	0.19529047	2.9422665	21	6 15.5	19.3
166761 2002 UE_{27}	14.9	X	307.72930	165.09949	147.50053	9.63804	0.1305031	0.19324793	2.9629625	21	5 20.8	18.9
166762 2002 UE_{31}	15.6	X	283.45668	139.39483	235.24514	5.16821	0.1010449	0.19621543	2.9330127	21	7 9.0	19.6
166763 2002 UC_{33}	15.2	X	165.53049	113.14623	20.78301	8.12472	0.2448842	0.19123251	2.9837440	21	8 3.1	20.5
166764 2002 UE_{33}	15.0	X	203.17992	117.43215	264.53318	6.88885	0.1006552	0.18582781	3.0413208	21	4 17.0	19.8
166765 2002 UN_{34}	14.7	X	106.41147	14.64559	71.36428	6.29100	0.1386283	0.17735493	3.1374287	21	4 4.1	19.2
166766 2002 UZ_{48}	15.2	X	200.23196	251.13591	159.63316	12.61678	0.1869989	0.18831520	3.0144804	21	5 22.7	20.5
166767 2002 UW_{49}	15.3	X	151.28787	359.10069	52.04465	10.09074	0.0745681	0.17980522	3.1088601	21	4 4.7	20.0
166768 2002 VA	15.2	X	142.02261	96.91594	349.97937	6.33886	0.1447323	0.18303948	3.0721296	21	5 8.3	20.0
166769 2002 VQ_{4}	15.7	X	193.67292	359.39763	46.32759	12.95069	0.1165608	0.18700377	3.0285574	21	5 8.6	20.4
166770 2002 VE_{9}	15.6	X	190.88407	73.64142	12.15303	10.51778	0.1889738	0.19075922	2.9886773	21	6 23.3	20.8
166771 2002 VJ_{10}	15.1	X	88.68623	151.62182	326.66082	4.39071	0.1248975	0.18017903	3.1045588	21	4 15.1	19.5
166772 2002 VH_{17}	15.0	X	231.82928	307.91273	75.92997	4.23257	0.1986072	0.18906661	3.0064882	21	5 14.5	20.0
166773 2002 VZ_{17}	15.3	X	132.29457	266.98328	199.37389	4.48785	0.1450607	0.18527607	3.0473558	21	5 25.2	20.1
166774 2002 VU_{18}	15.1	X	228.86401	323.06933	34.48630	8.31812	0.0612416	0.18675382	3.0312591	21	4 18.8	19.5
166775 2002 VR_{19}	15.6	X	212.64068	120.38669	202.68178	2.57559	0.0657799	0.17898128	3.1183940	21	2 18.2	20.3
166776 2002 VZ_{19}	16.0	X	262.76657	325.72586	58.55947	2.71948	0.1592944	0.19407741	2.9545140	21	6 17.9	20.3
166777 2002 VA_{22}	15.1	X	193.61200	206.53375	243.05986	9.03700	0.0759045	0.19268102	2.9687714	21	7 2.0	19.7
166778 2002 VU_{25}	15.0	X	91.66049	200.11619	228.18511	8.65115	0.0693505	0.17435762	3.1732827	21	2 7.9	19.5
166779 2002 VA_{30}	15.4	X	129.41377	18.12944	90.26031	2.67735	0.1463819	0.18328322	3.0694054	21	5 24.6	20.2
166780 2002 VX_{30}	15.7	X	107.92013	34.45104	38.66867	1.34217	0.1742396	0.17589906	3.1547168	21	3 23.5	20.3
166781 2002 VE_{32}	15.2	X	61.58152	58.72508	55.29352	1.70998	0.1316196	0.17353134	3.1833479	21	3 7.4	19.0
166782 2002 VH_{33}	15.4	X	136.86454	277.56144	134.88738	1.79102	0.1725719	0.17777326	3.1325049	21	3 28.6	20.2
166783 2002 VD_{35}	15.3	X	53.89015	44.96817	47.28461	4.16957	0.2513727	0.16960748	3.2322582	21	2 10.9	18.7
166784 2002 VD_{36}	14.7	X	151.72350	27.63870	76.14685	12.02061	0.0944928	0.18514265	3.0488197	21	6 6.5	19.2
166785 2002 VN_{36}	15.3	X	271.56693	199.41021	158.76824	2.02433	0.0917977	0.19284343	2.9671043	21	6 4.5	19.6
166786 2002 VH_{37}	15.2	X	164.25935	275.34585	122.10709	6.10195	0.1575425	0.18225250	3.0809671	21	4 5.7	20.2
166787 2002 VE_{40}	14.5	X	59.94462	119.81316	17.11008	13.95768	0.2564790	0.17568445	3.1572854	21	4 18.0	18.1
166788 2002 VX_{41}	15.6	X	210.94881	327.63086	65.74209	4.28567	0.1401772	0.18820761	3.0156291	21	5 10.1	20.4
166789 2002 VR_{42}	15.7	X	301.93492	320.16869	57.69313	4.56875	0.0566609	0.19927161	2.9029469	21	8 18.0	19.5
166790 2002 VS_{44}	15.5	X	220.71121	188.45632	163.70694	4.94623	0.2111569	0.18541245	3.0458613	21	3 28.8	20.6
166791 2002 VH_{45}	14.8	X	71.86511	54.87901	7.05732	16.68160	0.0770688	0.17063457	3.2192747	21	1 14.9	19.4
166792 2002 VU_{46}	14.5	X	10.81825	67.93549	82.69954	11.79957	0.1048838	0.17331295	3.1860215	21	2 2.2	18.6
166793 2002 VK_{47}	15.0	X	190.63692	177.39084	214.35730	6.87020	0.1438664	0.18425921	3.0585570	21	4 18.9	19.9
166794 2002 VT_{49}	15.0	X	204.90229	312.99987	84.65807	11.45461	0.1377869	0.18684748	3.0302460	21	5 12.2	19.9
166795 2002 VV_{49}	14.3	X	145.17420	0.09290	69.95245	23.55201	0.0689034	0.18198357	3.0840016	21	4 26.4	19.2
166796 2002 VH_{52}	15.4	X	286.97511	239.59362	120.60062	6.13283	0.1228365	0.19664062	2.9287832	21	6 22.2	19.4
166797 2002 VF_{55}	15.6	X	120.42203	4.50365	91.12665	2.23259	0.1529715	0.18082866	3.0971188	21	4 30.7	20.2
166798 2002 VK_{55}	15.4	X	129.13558	270.01819	157.73568	7.86365	0.1531971	0.17892853	3.1190068	21	4 7.5	20.1
166799 2002 VB_{57}	15.3	X	282.20061	163.39109	188.24057	10.06002	0.0467401	0.19370577	2.9582918	21	6 16.2	19.5
166800 2002 VC_{57}	15.7	X	284.91076	203.77906	152.83167	4.30885	0.0775768	0.19511577	2.9440225	21	6 21.6	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166801 2002 VY_{57}	15.4	X	100.76744	289.15099	167.04222	5.15748	0.1344025	0.17977857	3.1091673	21	4 7.2	19.7
166802 2002 VG_{58}	15.2	X	127.32584	303.13746	102.18371	6.36332	0.1743384	0.17597756	3.1537785	21	3 13.4	20.0
166803 2002 VJ_{58}	15.1	X	154.72485	242.99789	219.71312	7.95892	0.1052562	0.18607274	3.0386515	21	6 9.1	19.8
166804 2002 VR_{64}	16.5	X	17.39651	152.62120	243.42204	19.28294	0.0875304	0.37189486	1.9150903	21	—	—
166805 2002 VZ_{64}	14.7	X	275.99168	271.99928	67.53639	12.15314	0.1168878	0.19224553	2.9732531	21	5 14.5	19.0
166806 2002 VP_{70}	15.5	X	283.87188	316.53632	100.22765	3.20589	0.0598428	0.20170510	2.8795511	21	9 12.5	19.4
166807 2002 VU_{74}	14.8	X	217.88371	140.29774	199.46828	8.98175	0.0792321	0.18209048	3.0827944	21	3 13.9	19.6
166808 2002 VS_{75}	15.4	X	228.59510	280.99098	116.03096	5.84663	0.0969121	0.19050596	2.9913255	21	6 4.2	20.0
166809 2002 VO_{76}	15.3	X	270.61332	353.83930	8.50031	11.67768	0.1272764	0.19231387	2.9725487	21	5 31.8	19.8
166810 2002 VT_{78}	15.2	X	167.11536	286.35852	109.45798	5.91157	0.0733876	0.18060945	3.0996244	21	4 2.1	19.9
166811 2002 VC_{81}	14.7	X	119.52309	212.61798	217.22920	13.15701	0.1520744	0.17693850	3.1423496	21	3 26.4	19.6
166812 2002 VU_{81}	14.8	X	169.56661	136.30628	231.70337	12.98206	0.2057164	0.17801414	3.1296785	21	3 2.0	20.3
166813 2002 VK_{82}	14.8	X	161.45939	210.02052	236.13230	22.70814	0.1417576	0.18380210	3.0636259	21	5 27.9	19.7
166814 2002 VA_{85}	15.7	X	154.68757	274.72514	206.70584	12.33579	0.1572024	0.19004072	2.9962055	21	7 3.0	20.8
166815 2002 VL_{85}	14.9	X	50.49710	101.03295	12.10375	5.52639	0.1474990	0.17506490	3.1647300	21	2 19.2	18.6
166816 2002 VO_{88}	14.7	X	286.49654	66.83424	277.21431	8.34493	0.1428896	0.19312165	2.9642539	21	5 27.6	18.8
166817 2002 VP_{91}	14.8	X	303.54548	144.22966	60.25033	5.93168	0.1348531	0.17255797	3.1953078	21	1 1.5	19.4
166818 2002 VS_{92}	15.2	X	85.84100	10.09310	123.84767	2.54952	0.1614085	0.18036802	3.1023897	21	5 9.6	19.4
166819 2002 VK_{93}	14.7	X	204.28492	121.14590	221.23056	15.50386	0.2364930	0.18110865	3.0939259	21	2 27.4	20.3
166820 2002 VX_{93}	15.3	X	259.05198	173.49335	194.56926	11.66464	0.1685909	0.19226700	2.9730317	21	5 24.6	20.0
166821 2002 VK_{94}	14.9	X	131.28366	19.18143	39.06820	10.63562	0.0767338	0.17718763	3.1394033	21	3 23.1	19.5
166822 2002 VV_{95}	14.9	X	198.10133	142.09502	271.22854	10.46758	0.0078599	0.18813160	3.0164413	21	5 24.0	19.3
166823 2002 VE_{96}	15.0	X	47.24771	170.82323	6.31478	9.81321	0.0276904	0.18417810	3.0594549	21	4 20.5	19.2
166824 2002 VH_{99}	14.1	X	86.86208	152.48998	340.99638	30.15374	0.2675855	0.17813448	3.1282688	21	5 11.8	19.2
166825 2002 VN_{100}	14.8	X	241.53308	122.85461	280.41887	8.75068	0.0683767	0.19333345	2.9620886	21	6 28.9	19.0
166826 2002 VV_{100}	15.0	X	122.78369	183.01313	274.46059	8.48440	0.0984265	0.18267826	3.0761780	21	4 25.6	19.7
166827 2002 VJ_{101}	15.3	X	155.48675	198.91687	206.40313	4.63815	0.1523279	0.17963486	3.1108254	21	4 3.7	20.3
166828 2002 VF_{104}	15.0	X	258.27529	96.63397	261.89335	7.51655	0.0348354	0.18877186	3.0096169	21	5 26.8	19.1
166829 2002 VR_{104}	14.9	X	92.10909	149.46652	259.15748	5.62690	0.1231029	0.17135550	3.2102389	21	1 25.6	19.4
166830 2002 VD_{107}	15.0	X	129.96977	220.94583	241.38764	10.63242	0.1246336	0.18391116	3.0624147	21	5 14.9	19.7
166831 2002 VV_{111}	15.2	X	198.66536	348.22415	6.66504	10.81011	0.1194390	0.18169458	3.0872709	21	3 15.6	20.1
166832 2002 VU_{112}	15.7	X	180.25051	72.13181	56.28970	2.32147	0.1687078	0.19222502	2.9734646	21	8 6.3	20.5
166833 2002 VD_{114}	14.9	X	81.96505	295.99141	236.04857	8.41256	0.1238851	0.18477909	3.0528174	21	6 15.8	19.1
166834 2002 VA_{118}	17.0	X	105.74149	69.47182	306.77538	18.69835	0.0679055	0.38050825	1.8860795	21	—	—
166835 2002 VQ_{118}	15.0	X	134.98343	82.72441	344.84744	10.98563	0.1270243	0.18092574	3.0960109	21	4 4.7	19.9
166836 2002 VL_{119}	14.6	X	120.89080	9.59787	53.90115	15.35187	0.1897621	0.17599209	3.1536049	21	4 3.1	19.6
166837 2002 VS_{120}	15.0	X	186.73278	94.91488	301.65840	7.24006	0.1576686	0.18425133	3.0586443	21	4 18.3	20.1
166838 2002 VY_{120}	14.9	X	158.04123	111.45851	287.08611	9.00820	0.1112244	0.17974256	3.1095826	21	3 21.9	19.9
166839 2002 VD_{122}	15.5	X	165.05330	15.57195	20.60874	16.83939	0.1093393	0.18121629	3.0927007	21	4 1.6	20.3
166840 2002 VT_{122}	15.3	X	212.32877	41.40089	21.52038	13.30827	0.0515564	0.19077437	2.9885191	21	6 20.5	19.9
166841 2002 VX_{122}	14.8	X	254.95577	64.15928	306.18560	9.97675	0.1037158	0.19094723	2.9867152	21	5 27.9	19.3
166842 2002 VS_{124}	15.2	X	123.37218	249.79443	181.31353	8.90635	0.1728831	0.17891033	3.1192183	21	4 6.6	19.8
166843 2002 VU_{124}	16.0	X	166.15129	280.60373	137.04170	6.03927	0.2415628	0.18379930	3.0636571	21	5 4.0	21.4
166844 2002 VR_{125}	15.4	X	225.09367	349.42637	23.12309	9.21992	0.0794571	0.18628737	3.0363169	21	4 30.1	20.0
166845 2002 VT_{125}	15.4	X	229.40708	346.66023	24.30482	10.11800	0.1254706	0.18751778	3.0230204	21	4 29.5	20.1
166846 2002 VL_{127}	14.9	X	162.62707	58.33473	19.23188	26.60414	0.2475926	0.18099649	3.0952040	21	5 13.7	20.6
166847 2002 VM_{127}	15.2	X	171.68688	0.02335	51.63416	11.27411	0.1281891	0.18346969	3.0673253	21	4 26.9	20.0
166848 2002 VX_{140}	15.3	X	209.43907	173.53382	185.24100	12.05396	0.1386246	0.18240349	3.0792666	21	3 28.5	20.1
166849 2002 WE_{3}	15.2	X	174.07757	31.65159	338.98173	10.56565	0.1170139	0.18082414	3.0971705	21	3 8.5	20.0
166850 2002 WF_{3}	14.8	X	89.28249	205.61628	273.50791	11.62286	0.1124261	0.18073746	3.0981607	21	4 12.0	19.3
166851 2002 WJ_{8}	14.5	X	193.41013	243.14808	69.10458	15.46602	0.2190315	0.17394925	3.1782472	21	1 24.8	20.1
166852 2002 WE_{9}	15.6	X	212.78191	15.92634	0.27440	1.30867	0.1505995	0.18583134	3.0412824	21	4 20.1	20.5
166853 2002 WZ_{10}	14.9	X	173.60020	264.55664	114.31711	9.94944	0.1241835	0.17932833	3.1143693	21	3 23.5	19.9
166854 2002 WC_{11}	14.8	X	131.20413	276.01593	111.64347	10.11980	0.0894221	0.17355057	3.1831127	21	2 14.2	19.5
166855 2002 WM_{20}	16.0	X	187.62127	299.83646	107.52110	4.43451	0.2174710	0.18522188	3.0479502	21	5 7.1	21.2
166856 2002 WC_{21}	15.5	X	205.91952	125.11871	223.59024	11.04955	0.0817199	0.17989173	3.1078633	21	3 10.4	20.4
166857 2002 XE	15.4	X	83.36777	250.78245	203.64679	4.53786	0.1661639	0.17398897	3.1777635	21	3 17.0	19.5
166858 2002 XL	15.3	X	193.27531	306.97839	105.39479	9.71622	0.1432416	0.18739015	3.0243929	21	5 18.9	20.3
166859 2002 XH_{1}	15.0	X	216.76539	280.72078	94.78560	10.73444	0.1384119	0.18683796	3.0303489	21	4 28.0	20.0
166860 2002 XN_{7}	14.8	X	145.65484	192.21971	262.03370	13.35976	0.0592209	0.18635213	3.0356135	21	5 14.8	19.4
166861 2002 XB_{16}	14.9	X	170.73556	321.84749	355.62110	11.75032	0.0472290	0.17026156	3.2239749	21	1 2.0	19.8
166862 2002 XR_{19}	15.1	X	158.56248	93.87084	287.72843	5.73795	0.0674827	0.17761753	3.1343356	21	3 1.5	19.8
166863 2002 XM_{29}	14.6	X	74.05989	39.37911	83.48259	23.01925	0.0328935	0.17664108	3.1458758	21	4 4.9	19.4
166864 2002 XP_{29}	15.0	X	61.31045	313.95458	178.06207	6.21692	0.1458477	0.17440089	3.1727578	21	3 31.3	18.9
166865 2002 XT_{34}	15.1	X	131.04002	164.19797	268.70780	9.46535	0.0732069	0.17775505	3.1327188	21	3 31.4	19.9
166866 2002 XO_{37}	15.5	X	272.39864	334.68131	37.38375	9.40876	0.1088143	0.19297680	2.9657371	21	6 20.2	19.8
166867 2002 XH_{38}	14.7	X	95.50180	69.20443	48.25275	11.00132	0.0979278	0.17885622	3.1198474	21	4 22.8	19.1
166868 2002 XN_{43}	15.2	X	145.87073	49.42840	79.02402	11.78917	0.0593994	0.18911788	3.0059447	21	6 28.4	19.6
166869 2002 XJ_{47}	15.4	X	84.46699	29.49374	87.94849	1.69267	0.1128591	0.17593271	3.1543144	21	4 9.9	19.6
166870 2002 XT_{47}	15.3	X	77.00469	69.86273	9.02848	6.40455	0.1083841	0.17116049	3.2126768	21	2 12.9	19.6
166871 2002 XG_{48}	14.8	X	172.75059	88.20503	254.60130	8.47109	0.2226787	0.17514467	3.1637690	21	2 6.9	20.3
166872 2002 XP_{50}	14.1	X	53.66224	222.74550	261.88634	18.59423	0.1314674	0.17268622	3.1937256	21	2 25.7	18.5
166873 2002 XB_{51}	15.4	X	186.10481	143.45255	264.16926	4.47024	0.0505327	0.18275489	3.0753181	21	5 2.2	20.0
166874 2002 XT_{55}	16.5	X	71.72308	37.66229	274.06174	17.88890	0.0463764	0.36041801	1.9555326	21	12 20.1	18.6
166875 2002 XH_{60}	15.6	X	187.05096	205.52987	232.32045	3.27501	0.1185105	0.18713210	3.0271726	21	6 10.9	20.4
166876 2002 XS_{60}	15.5	X	179.43349	351.37429	90.77549	3.59962	0.0534000	0.18662005	3.0327074	21	6 8.1	19.9
166877 2002 XG_{61}	14.6	X	125.16167	29.83005	68.41792	10.52170	0.0765448	0.17997555	3.1068983	21	5 2.2	19.2
166878 2002 XV_{78}	17.2	X	316.29647	199.71229	278.34547	17.30569	0.0641004	0.36894529	1.9252837	21	—	—
166879 2002 XA_{82}	15.1	X	184.00579	165.39800	224.75868	17.01120	0.2131931	0.18201804	3.0836122	21	4 10.8	20.5
166880 2002 XD_{83}	15.0	X	130.40487	37.75917	83.11100	5.09634	0.0767347	0.18317374	3.0706282	21	6 3.1	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166881 2002 XG_{88}	15.2	X	201.99884	38.28537	8.92504	10.08417	0.1822022	0.18444946	3.0564535	21	5 14.6	20.5
166882 2002 XA_{90}	14.6	X	70.96237	16.53840	122.21358	16.13164	0.2186729	0.17582568	3.1555944	21	5 10.1	19.0
166883 2002 XJ_{90}	15.0	X	100.91336	251.64695	206.95693	10.45737	0.2491562	0.17575506	3.1564396	21	4 25.4	19.7
166884 2002 XJ_{102}	15.5	X	158.38061	310.19001	76.87827	3.16422	0.0975113	0.17668496	3.1453549	21	3 14.3	20.3
166885 2002 YS_{2}	14.8	X	64.01141	34.25684	69.13751	6.30745	0.0935978	0.16982467	3.2295018	21	2 24.1	19.1
166886 Ybl	15.6	X	108.78633	96.33360	28.89730	14.25145	0.2284284	0.17791298	3.1308646	21	5 30.1	20.6
166887 2002 YN_{3}	14.6	X	62.46360	84.55789	21.22667	22.91602	0.1285329	0.17110438	3.2133791	21	3 8.7	19.0
166888 2002 YY_{6}	15.6	X	344.21903	161.66289	309.06278	5.54900	0.0343963	0.21029572	2.8005871	21	—	—
166889 2002 YR_{16}	14.8	X	176.02148	347.90456	88.69198	5.85043	0.1378947	0.18561840	3.0436079	21	5 30.4	19.6
166890 2002 YA_{17}	15.6	X	141.07598	352.75853	65.18973	6.54365	0.1382321	0.17820095	3.1274908	21	4 7.0	20.4
166891 2002 YS_{22}	14.9	X	206.20924	283.78794	100.64188	12.87177	0.1378930	0.18175826	3.0865497	21	4 30.3	20.0
166892 2002 YY_{23}	15.1	X	123.65993	347.24116	92.42615	5.89821	0.1887223	0.17610444	3.1522634	21	4 20.8	20.0
166893 2002 YW_{26}	14.9	X	138.73814	296.24468	109.42560	6.00624	0.0346385	0.17187026	3.2038258	21	3 10.5	19.5
166894 2002 YO_{32}	15.3	X	152.83154	58.03589	336.68575	2.53829	0.1540440	0.17884547	3.1199724	21	3 19.8	20.2
166895 2002 YD_{35}	14.5	X	180.99551	268.18206	104.38900	20.31918	0.1593138	0.17795325	3.1303923	21	3 29.2	20.0
166896 2003 AV_{1}	15.1	X	163.87853	245.68591	147.17392	9.87099	0.0823886	0.17759615	3.1345871	21	3 26.6	19.9
166897 2003 AD_{2}	15.1	X	91.54717	283.27180	226.13423	12.59471	0.2083672	0.17631450	3.1497592	21	6 11.1	19.8
166898 2003 AQ_{2}	16.4	X	25.28105	280.83650	139.84053	23.53352	0.1280739	0.37118645	1.9175262	21	—	—
166899 2003 AT_{4}	14.5	X	304.20240	345.30228	332.54404	14.45335	0.1852342	0.19270609	2.9685139	21	5 4.9	18.8
166900 2003 AJ_{7}	16.6	X	305.86732	298.01689	119.40727	24.03728	0.0986361	0.36106347	1.9532014	21	11 22.7	18.8
166901 2003 AS_{16}	17.2	X	281.05617	270.67112	190.77593	20.97145	0.1070687	0.36212737	1.9493739	21	12 5.5	19.2
166902 2003 AQ_{22}	14.6	X	126.88192	318.90232	107.66583	21.93745	0.0918524	0.17159688	3.2072277	21	4 5.9	19.7
166903 2003 AQ_{52}	15.4	X	112.73437	66.64419	48.32259	5.97806	0.1491903	0.17662380	3.1460810	21	5 15.1	20.1
166904 2003 AH_{67}	15.1	X	252.98816	26.24878	93.13431	12.59279	0.2805799	0.19632739	2.9318975	21	9 26.9	19.8
166905 2003 AJ_{72}	15.3	X	112.86994	57.49897	31.19643	16.26910	0.2461568	0.17483954	3.1674488	21	4 24.3	20.3
166906 2003 AA_{81}	14.9	X	71.57687	105.16980	39.37008	20.74278	0.1449920	0.17405144	3.1770031	21	4 30.6	19.0
166907 2003 AF_{82}	17.0	X	100.48476	276.91676	339.18657	18.32041	0.0543458	0.35416547	1.9784811	21	10 26.9	19.7
166908 2003 AH_{82}	16.8	X	312.84295	97.03090	31.64578	20.69682	0.0862915	0.36585216	1.9361201	21	—	—
166909 2003 AY_{87}	14.9	X	124.33576	279.03583	136.75427	17.43232	0.1688038	0.17157208	3.2075368	21	3 24.3	19.9
166910 2003 BN_{46}	16.2	X	104.06323	98.83653	191.83446	22.36589	0.0401972	0.35901595	1.9606206	21	12 29.7	19.1
166911 2003 BW_{48}	15.6	X	76.85710	126.67722	356.32583	1.29975	0.1495286	0.17198903	3.2023506	21	4 11.4	19.8
166912 2003 BB_{55}	15.9	X	67.88642	73.17391	52.61445	1.67042	0.1692981	0.17015824	3.2252798	21	4 6.1	19.8
166913 2003 BG_{78}	17.0	X	6.63752	120.34591	302.36394	18.45205	0.0877830	0.36951402	1.9233077	21	—	—
166914 2003 CE_{4}	14.8	X	163.32009	137.02263	279.39010	12.67392	0.2097477	0.18252154	3.0779387	21	4 22.7	20.2
166915 2003 DV_{21}	16.7	X	280.81682	92.68755	9.74384	19.50942	0.1057308	0.35574557	1.9726183	21	11 25.2	18.7
166916 2003 EL_{17}	16.0	X	62.88535	67.52927	168.84809	8.00722	0.1914154	0.28484330	2.2876981	21	8 30.2	18.7
166917 2003 EL_{34}	16.6	X	89.54705	352.34784	241.16980	4.82812	0.1849357	0.28873045	2.2671191	21	9 26.1	19.8
166918 2003 FR_{39}	17.3	X	178.90918	116.70017	199.61039	2.29596	0.2083545	0.31243589	2.1509424	21	—	—
166919 2003 FT_{45}	17.7	X	154.72413	10.54945	249.10745	1.26701	0.1390135	0.30182818	2.2010481	21	—	—
166920 2003 FS_{47}	17.5	X	110.14206	289.27021	342.50476	1.82749	0.2527718	0.29453299	2.2372443	21	12 9.1	21.3
166921 2003 FV_{77}	16.9	X	169.17903	93.85339	161.08949	3.83978	0.1632711	0.30246244	2.1979699	21	—	—
166922 2003 FR_{88}	16.9	X	163.44713	43.14935	168.33391	5.88352	0.1085718	0.29630386	2.2283215	21	11 13.4	20.0
166923 2003 FX_{92}	16.8	X	168.98296	125.05102	134.33592	5.72749	0.1283387	0.30278544	2.1964065	21	—	—
166924 2003 FB_{104}	17.9	X	260.92144	3.32867	197.33372	3.17358	0.1386687	0.30972533	2.1634734	21	—	—
166925 2003 FN_{127}	17.1	X	145.03611	271.38674	9.61572	5.10118	0.2014254	0.30090573	2.2055441	21	—	—
166926 2003 GL_{3}	17.3	X	168.33650	215.20311	0.84504	1.84448	0.1167335	0.29873270	2.2162268	21	11 22.4	20.2
166927 2003 GQ_{8}	16.6	X	168.60412	245.34750	59.99322	4.76477	0.2184949	0.30564168	2.1827014	21	—	—
166928 2003 GD_{13}	17.2	X	159.51307	53.55410	185.00727	3.09688	0.1904178	0.29627641	2.2284591	21	12 9.2	20.7
166929 2003 GP_{43}	15.5	X	55.78683	238.36169	51.88208	24.98297	0.2660408	0.28708803	2.2757576	21	11 15.0	18.5
166930 2003 GA_{48}	16.3	X	127.14085	193.30887	96.03844	7.27146	0.1115636	0.29945568	2.2126583	21	—	—
166931 2003 HQ	17.1	X	160.35256	87.85561	176.77535	3.67416	0.1212368	0.30236911	2.1984222	21	—	—
166932 2003 HT_{10}	17.2	X	192.70136	84.78088	187.00567	4.68780	0.1232206	0.30545593	2.1835862	21	—	—
166933 2003 HN_{11}	16.5	X	107.06035	155.54549	142.43030	6.62157	0.1913262	0.29646557	2.2275111	21	—	—
166934 2003 HB_{16}	16.9	X	148.72175	67.39204	186.44295	6.33338	0.1948993	0.29655063	2.2270851	21	12 18.4	20.5
166935 2003 HF_{28}	16.9	X	213.77295	265.34761	330.78574	2.24420	0.1326333	0.30547836	2.1834793	21	—	—
166936 2003 HP_{28}	16.4	X	330.10648	24.40529	225.98484	1.74835	0.1740963	0.26905427	2.3763448	21	3 9.8	18.9
166937 2003 HF_{39}	16.8	X	149.74684	211.69027	41.36927	4.70668	0.1648701	0.29718709	2.2239043	21	12 19.1	20.3
166938 2003 HC_{40}	17.0	X	92.94513	3.28488	257.56615	3.24129	0.1747942	0.28893447	2.2660517	21	11 4.9	20.2
166939 2003 HD_{41}	16.6	X	17.39084	358.00708	258.53829	1.93609	0.1526050	0.27664612	2.3326683	21	6 30.4	18.4
166940 2003 HU_{44}	16.2	X	121.82680	98.98745	220.35474	5.58807	0.1758225	0.30102191	2.2049766	21	—	—
166941 2003 HQ_{46}	16.2	X	159.02274	137.29846	163.07095	4.27013	0.1687346	0.30399164	2.1905926	21	—	—
166942 2003 HP_{48}	16.4	X	139.07053	196.63623	93.83386	3.85514	0.1084422	0.29937536	2.2130540	21	—	—
166943 2003 HL_{50}	17.6	X	130.07099	77.19708	189.74686	2.13863	0.2247185	0.29514520	2.2341495	21	12 18.5	21.3
166944 Seton	16.2	X	106.87932	205.30827	98.69437	8.62593	0.1817915	0.29796999	2.2200071	21	—	—
166945 2003 HS_{54}	17.1	X	126.01715	34.35229	229.43716	5.30716	0.1772692	0.29585247	2.2305874	21	12 11.1	20.7
166946 2003 JD_{8}	17.1	X	174.45404	226.22687	275.78482	2.27866	0.1107817	0.28704961	2.2759606	21	8 20.8	20.4
166947 2003 JS_{8}	16.4	X	143.67949	170.48984	105.53645	5.88931	0.1330942	0.29759770	2.2218582	21	—	—
166948 2003 JL_{9}	17.3	X	85.63908	142.41473	106.49762	3.13310	0.1521433	0.28685625	2.2769833	21	10 12.4	20.4
166949 2003 JU_{10}	17.2	X	206.59450	38.38934	266.51622	2.45232	0.2087320	0.31169982	2.1543273	21	1 5.1	20.6
166950 2003 JJ_{14}	16.8	X	36.20716	125.45969	146.91203	6.34186	0.2469005	0.28011156	2.3133892	21	9 22.9	19.1
166951 2003 KB_{4}	17.1	X	18.12547	335.06760	290.83687	3.53460	0.2118312	0.27720245	2.3295463	21	7 25.2	18.4
166952 2003 KE_{17}	17.0	X	55.87771	105.53984	146.17012	2.55031	0.1739210	0.28133848	2.3066584	21	9 9.3	19.6
166953 2003 KE_{30}	16.5	X	95.44838	187.16281	81.67137	7.33549	0.1203701	0.29000848	2.2604535	21	11 15.5	19.6
166954 2003 LY_{1}	15.5	X	256.31699	142.97553	225.44350	23.91144	0.2369665	0.26450840	2.4034941	21	5 10.4	19.2
166955 2003 MO_{4}	16.9	X	341.43713	93.38969	226.93182	3.64628	0.2531444	0.27401077	2.3476011	21	7 15.5	18.0
166956 2003 MK_{6}	16.5	X	31.13146	67.21503	194.36102	6.37627	0.1777899	0.27481897	2.3429962	21	8 9.4	18.7
166957 2003 MF_{8}	16.3	X	251.11703	112.41316	195.06604	4.95224	0.1889282	0.25886255	2.4383155	21	2 20.7	20.3
166958 2003 MN_{8}	16.2	X	339.68216	99.29303	190.15389	5.15192	0.2548918	0.27053802	2.3676482	21	5 15.7	18.0
166959 2003 MF_{12}	15.9	X	75.63997	10.42228	247.98866	21.80343	0.1707498	0.28241827	2.3007752	21	10 6.9	19.5
166960 2003 NS	16.3	X	344.14939	329.46956	358.50482	1.93751	0.1766175	0.27548832	2.3391995	21	8 14.4	17.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
166961 2003 NZ_1	16.6	X	324.40223	336.68795	324.95284	3.76497	0.1797382	0.26939902	2.3743170	21	5 13.8	19.1
166962 2003 NB_2	17.1	X	310.22530	133.86137	171.76065	7.10799	0.2613815	0.26747982	2.3856608	21	4 15.4	20.1
166963 2003 NN_2	17.1	X	97.16231	224.24060	40.36414	2.88566	0.2065741	0.28650579	2.2788397	21	11 16.3	20.6
166964 2003 NK_3	16.3	X	10.43850	195.67600	121.00204	7.62675	0.1289636	0.27698814	2.3307477	21	9 24.8	18.6
166965 2003 NZ_7	16.3	X	298.14858	247.31462	104.64371	4.48979	0.2315574	0.26954813	2.3734413	21	6 7.0	18.9
166966 2003 OT_1	16.7	X	269.08803	192.21516	122.31095	3.25225	0.2077635	0.26163990	2.4210294	21	3 19.0	20.3
166967 2003 OH_2	16.2	X	297.82252	231.81588	103.23000	6.81836	0.1471596	0.26797513	2.3827202	21	5 28.3	19.0
166968 2003 OQ_2	16.5	X	345.35435	232.27969	85.69848	7.84488	0.1552541	0.27299421	2.3534253	21	8 1.7	18.4
166969 2003 OR_3	17.0	X	343.31824	73.28167	253.89542	2.16158	0.2034787	0.27329697	2.3516869	21	8 7.6	18.4
166970 2003 OV_3	16.7	X	279.46581	154.38601	197.49850	1.15997	0.1893559	0.26632588	2.3925469	21	5 19.2	19.8
166971 2003 OD_4	16.6	X	283.76203	119.56384	259.26165	4.10143	0.2438396	0.27028405	2.3691312	21	6 22.9	19.6
166972 2003 OJ_4	16.8	X	321.36670	34.73267	319.66961	3.17966	0.1434180	0.27326391	2.3518766	21	8 8.4	18.8
166973 2003 OV_5	16.2	X	310.17400	316.31746	6.04871	3.95211	0.2119079	0.26876427	2.3780539	21	5 14.9	19.0
166974 2003 OZ_5	16.3	X	74.94019	6.66091	280.65130	6.30472	0.1114886	0.28352922	2.2947612	21	11 11.4	19.5
166975 2003 OE_{10}	16.5	X	284.79610	199.53475	100.32045	2.49022	0.1887892	0.26136878	2.4227034	21	3 18.5	19.8
166976 2003 OW_{10}	16.5	X	299.86031	220.55949	88.11666	6.68916	0.2148778	0.26595915	2.3947458	21	4 15.0	19.7
166977 2003 OK_{12}	16.2	X	196.04266	132.09450	223.81137	11.88701	0.2326620	0.25193758	2.4827944	21	3 3.2	20.7
166978 2003 OJ_{13}	16.5	X	318.64536	193.89966	113.00344	2.97848	0.1870300	0.26893384	2.3770542	21	5 12.9	19.0
166979 2003 OP_{14}	16.3	X	201.03860	164.70254	203.59043	14.40816	0.1279430	0.25667781	2.4521320	21	3 23.1	20.2
166980 2003 OH_{15}	16.6	X	5.04315	155.62830	122.79444	1.06411	0.1968635	0.27277659	2.3546769	21	7 10.8	18.1
166981 2003 OC_{19}	16.5	X	251.92239	165.52345	198.73983	8.88116	0.1605744	0.26483140	2.4015395	21	5 8.9	20.0
166982 2003 OT_{21}	17.5	X	134.41356	82.90734	157.08214	2.30032	0.1637578	0.28777864	2.2721152	21	11 18.3	21.0
166983 2003 OT_{23}	16.3	X	75.79555	88.61941	163.60895	7.83621	0.1653917	0.27914942	2.3187018	21	10 6.2	19.3
166984 2003 OX_{25}	16.8	X	264.48003	142.67368	232.63686	1.70502	0.1793667	0.26772361	2.3842124	21	6 3.5	20.2
166985 2003 OW_{27}	16.5	X	353.05796	169.60230	110.51043	4.52062	0.1623708	0.26943291	2.3741179	21	6 13.6	18.5
166986 2003 OO_{28}	16.6	X	319.79235	283.73212	36.21140	1.81545	0.1923447	0.26855411	2.3792944	21	6 1.9	18.9
166987 2003 OW_{28}	16.4	X	328.52904	307.50468	7.19533	2.78420	0.1448365	0.26925914	2.3751393	21	6 18.9	18.6
166988 2003 OC_{30}	17.0	X	299.69216	247.18087	40.67805	2.03368	0.2120472	0.26195965	2.4190589	21	3 16.1	20.4
166989 2003 OL_{30}	16.8	X	312.00729	170.69366	98.59201	3.24090	0.1558393	0.26097381	2.4251472	21	3 16.6	19.9
166990 2003 OR_{32}	16.2	X	116.77895	262.03612	64.79663	0.98868	0.0937127	0.23845359	2.5755311	21	—	—
166991 2003 PY	16.0	X	256.10838	214.62765	143.71607	5.53753	0.2234047	0.26139083	2.4225671	21	4 30.7	19.8
166992 2003 PX_1	17.0	X	271.51114	198.05302	137.77659	3.07557	0.2191847	0.26301837	2.4125630	21	4 16.3	20.5
166993 2003 PY_1	16.1	X	10.53520	6.09481	308.34385	5.86806	0.2094190	0.27593983	2.3366471	21	9 25.0	18.0
166994 2003 PZ_2	16.1	X	98.81921	256.48794	143.70782	6.08198	0.2604758	0.24448192	2.5330177	21	1 30.1	18.9
166995 2003 PQ_3	15.9	X	210.93616	348.07651	328.97293	8.38973	0.0730341	0.25100389	2.4889476	21	1 31.1	19.4
166996 2003 PC_4	15.4	X	59.82811	234.78412	325.56951	22.50568	0.1318248	0.26619750	2.3933161	21	6 26.1	18.6
166997 2003 PA_5	16.7	X	226.95386	79.03814	269.87986	1.32321	0.1413124	0.25920032	2.4361968	21	3 24.7	20.5
166998 2003 PE_5	16.0	X	255.61076	26.89110	325.10037	3.82392	0.1232411	0.26410607	2.4059345	21	4 27.7	19.4
166999 2003 PR_5	16.9	X	290.27847	149.79679	198.53377	4.93548	0.2148678	0.26710611	2.3878855	21	5 24.8	20.0
167000 2003 PE_6	17.1	X	358.82584	105.72165	209.65739	3.75879	0.1772267	0.27361221	2.3498803	21	8 26.7	18.8
167001 2003 PO_6	15.9	X	332.24732	12.57808	311.02023	6.54440	0.1287149	0.27003288	2.3706000	21	7 13.8	18.2
167002 2003 PD_7	16.7	X	341.77114	137.20128	195.22848	4.48836	0.2389744	0.27460092	2.3442363	21	8 10.1	18.0
167003 2003 PD_8	16.4	X	292.64061	205.04761	165.07083	6.79368	0.1381155	0.26989842	2.3713873	21	7 10.7	19.2
167004 2003 PV_8	17.2	X	20.67831	92.17881	197.60865	1.59487	0.2194906	0.27566690	2.3381891	21	9 11.8	19.1
167005 2003 PY_8	16.7	X	12.55796	20.55341	288.18347	1.65095	0.2114807	0.27614961	2.3354635	21	9 23.1	18.3
167006 2003 PY_{11}	15.9	X	246.60028	159.59722	186.89531	9.30236	0.2332390	0.26041136	2.4286379	21	4 4.8	20.0
167007 2003 PZ_{11}	17.0	X	122.88365	139.61111	163.36382	2.51694	0.0545968	0.29280366	2.2460446	21	—	—
167008 2003 PT_{12}	16.0	X	200.31381	95.04189	325.73637	21.33024	0.2464383	0.25960518	2.4336633	21	5 24.5	20.7
167009 2003 QV_3	17.0	X	283.66895	100.14488	277.34567	0.40759	0.1974024	0.26944792	2.3740298	21	6 28.5	19.8
167010 Terracina	16.6	X	293.32170	100.11204	184.73305	6.03303	0.1296564	0.26050665	2.4280456	21	3 14.8	19.9
167011 2003 QP_6	15.9	X	341.33467	339.69836	348.24901	6.43559	0.1585830	0.27033437	2.3688372	21	8 9.1	17.8
167012 2003 QF_9	16.7	X	196.55361	53.16183	209.50980	3.44946	0.1502643	0.24229120	2.5482633	21	—	—
167013 2003 QV_{11}	16.2	X	209.70104	46.47971	351.41428	6.14603	0.1137330	0.26079050	2.4262834	21	5 8.8	19.9
167014 2003 QC_{21}	16.1	X	238.35690	258.00782	115.08040	5.31328	0.1918441	0.26021997	2.4298286	21	5 5.3	20.0
167015 2003 QF_{21}	17.0	X	336.03545	265.75840	30.91022	3.41650	0.2944426	0.26820445	2.3813619	21	5 9.6	18.7
167016 2003 QZ_{22}	16.3	X	327.75176	75.59173	272.94754	2.77503	0.1693764	0.27176842	2.3604967	21	8 8.3	18.2
167017 2003 QE_{23}	16.8	X	11.70140	81.58347	197.66050	4.41165	0.1614944	0.27042022	2.3683358	21	7 25.2	18.7
167018 Csontoscsaba	17.0	X	272.30476	251.68592	39.00670	1.76299	0.1809252	0.25826566	2.4420709	21	2 22.6	20.7
167019 2003 QU_{31}	17.0	X	7.06881	54.21061	260.12582	1.88803	0.1754923	0.27511054	2.3413404	21	9 14.2	18.7
167020 2003 QH_{32}	16.5	X	284.54778	47.41669	345.58125	5.10179	0.1327251	0.27125669	2.3634645	21	8 4.4	19.1
167021 2003 QL_{32}	16.7	X	262.04051	238.90519	157.51332	6.80223	0.1241040	0.26834023	2.3805585	21	7 7.1	19.8
167022 2003 QL_{33}	16.4	X	286.52889	102.41780	212.06556	1.95223	0.1699268	0.26257660	2.4152683	21	4 9.5	19.6
167023 2003 QZ_{34}	16.3	X	225.44228	312.63343	359.81100	2.80847	0.1637884	0.25265691	2.4780797	21	2 7.9	20.2
167024 2003 QU_{35}	16.6	X	260.91582	222.20144	135.57847	2.90972	0.1944474	0.26354739	2.4093334	21	5 6.4	20.1
167025 2003 QM_{36}	16.7	X	162.95306	236.87072	96.39685	2.15676	0.1117900	0.24573502	2.5243991	21	1 2.1	20.3
167026 2003 QA_{38}	17.0	X	336.40443	128.04891	161.28204	2.51093	0.2033779	0.26815891	2.3816315	21	5 16.9	18.9
167027 2003 QB_{38}	17.0	X	294.31349	195.18607	145.97044	3.30350	0.2272503	0.26697061	2.3886934	21	5 18.5	19.9
167028 2003 QM_{38}	16.5	X	243.74253	168.98222	154.56312	3.24968	0.0972180	0.25691581	2.4506173	21	3 13.4	20.0
167029 2003 QJ_{39}	16.2	X	320.38588	163.82616	154.04534	7.99256	0.1452856	0.26766944	2.3845340	21	6 9.5	18.8
167030 2003 QN_{39}	16.3	X	220.40456	83.74206	245.58652	0.98236	0.1538312	0.25344596	2.4729337	21	2 22.8	20.3
167031 2003 QD_{40}	16.9	X	272.64921	5.67332	23.32765	0.22616	0.2197910	0.26743616	2.3859205	21	6 26.6	19.9
167032 2003 QM_{41}	16.6	X	255.01739	203.18926	162.47181	12.18679	0.2200701	0.26189497	2.4194572	21	5 10.5	20.5
167033 2003 QU_{42}	16.6	X	274.17467	196.64354	158.14293	2.33789	0.1237987	0.26474886	2.4020386	21	5 26.5	19.6
167034 2003 QA_{43}	16.5	X	254.13279	32.53273	6.26625	6.61736	0.1193239	0.26695601	2.3887805	21	7 2.2	19.8
167035 2003 QY_{44}	16.8	X	245.24923	204.61629	116.05176	3.37653	0.2116818	0.25710219	2.4494328	21	3 5.2	20.9
167036 2003 QF_{45}	16.5	X	287.21292	269.05763	43.79396	2.80997	0.1979395	0.26257027	2.4153071	21	4 5.3	19.9
167037 2003 QQ_{45}	17.3	X	358.61263	123.97435	144.42022	2.69364	0.1918470	0.26848460	2.3797051	21	6 5.5	18.8
167038 2003 QW_{49}	17.0	X	279.22911	247.96662	73.74833	2.36188	0.2029663	0.26183167	2.4198471	21	4 7.8	20.3
167039 2003 QA_{50}	16.2	X	186.07953	40.89628	6.43274	6.62025	0.0824787	0.25790419	2.4443522	21	4 26.1	19.6
167040 2003 QQ_{50}	17.0	X	357.11968	268.01550	13.06512	7.46401	0.2426417	0.26928343	2.3749964	21	6 21.4	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
167041 2003 QB_{51}	16.2	X	250.30315	332.69628	62.26524	2.84168	0.2415986	0.26394240	2.4069289	21	6 7.5	19.8
167042 2003 QR_{51}	16.7	X	240.87957	262.23619	91.17000	2.50126	0.1917906	0.26036493	2.4289266	21	4 11.7	20.5
167043 2003 QD_{52}	16.1	X	195.76123	284.62123	134.01294	15.21395	0.1273100	0.26153014	2.4217067	21	5 27.7	20.1
167044 2003 QG_{53}	16.2	X	336.75446	288.99184	350.07770	12.60697	0.2173256	0.26664164	2.3906577	21	4 21.4	18.7
167045 2003 QK_{53}	16.3	X	304.56411	264.45704	135.25428	6.95008	0.1266512	0.27503626	2.3417619	21	9 21.4	18.6
167046 2003 QK_{54}	16.2	X	263.21005	357.50681	31.61707	5.22235	0.2240546	0.26646365	2.3917222	21	6 14.7	19.8
167047 2003 QA_{56}	16.2	X	320.02208	340.14174	54.48408	3.06022	0.2249651	0.27512420	2.3412629	21	10 5.6	17.4
167048 2003 QV_{56}	16.0	X	219.92991	326.29303	41.22773	5.32268	0.1934385	0.25710411	2.4494206	21	4 10.8	20.0
167049 2003 QG_{57}	16.6	X	298.51818	318.96678	355.95489	4.74459	0.2421443	0.26540496	2.3980783	21	4 12.9	19.8
167050 2003 QY_{57}	16.4	X	151.87127	4.95178	38.15831	3.20410	0.2133507	0.25134294	2.4867087	21	3 28.2	20.2
167051 2003 QC_{63}	16.2	X	174.31072	23.15876	34.84142	7.36918	0.1640334	0.25563484	2.4587971	21	5 1.9	20.1
167052 2003 QB_{67}	17.0	X	230.63644	250.59946	119.53980	3.94088	0.1951379	0.25954639	2.4340307	21	4 24.0	21.0
167053 2003 QJ_{67}	16.3	X	212.48246	316.30896	80.88823	6.35937	0.1994849	0.25688940	2.4507853	21	5 11.7	20.3
167054 2003 QM_{77}	16.5	X	316.29244	132.43549	204.36798	5.67957	0.1463215	0.26756396	2.3851607	21	6 29.6	19.0
167055 2003 QF_{80}	16.7	X	233.50947	31.25195	349.69408	4.54850	0.2029223	0.26186206	2.4196599	21	5 6.4	20.5
167056 2003 QB_{82}	16.2	X	80.10493	317.07549	76.60563	3.01216	0.0808919	0.24037665	2.5617763	21	—	—
167057 2003 QC_{85}	16.4	X	262.35641	90.09298	261.71205	4.27967	0.1770238	0.26175994	2.4202892	21	4 29.8	19.9
167058 2003 QT_{86}	17.1	X	284.47498	128.70841	173.09470	2.91964	0.2385607	0.26208899	2.4182630	21	3 13.4	20.7
167059 2003 QN_{87}	16.7	X	232.82084	146.01972	216.64723	1.61878	0.2220663	0.25891813	2.4379666	21	4 13.3	20.8
167060 2003 QZ_{87}	16.2	X	151.47646	289.26855	167.57536	2.56406	0.1813644	0.26080173	2.4262138	21	5 31.9	20.0
167061 2003 QB_{88}	16.5	X	71.42374	95.08834	251.26534	1.07331	0.1167921	0.23292799	2.6161036	21	—	—
167062 2003 QC_{88}	16.4	X	202.14290	239.31410	165.62061	4.50319	0.1753035	0.25931663	2.4354682	21	5 12.7	20.3
167063 2003 QR_{93}	16.7	X	276.58871	331.50231	32.19867	2.99150	0.1962040	0.26709317	2.3879626	21	5 30.3	19.9
167064 2003 QN_{94}	16.4	X	257.78084	305.04088	66.56954	5.63595	0.1682797	0.26425516	2.4050294	21	5 23.3	19.9
167065 2003 QD_{102}	16.9	X	322.20355	101.20878	197.31280	4.28935	0.2040235	0.26761271	2.3848710	21	5 3.1	19.4
167066 2003 QT_{105}	16.7	X	58.88869	69.39691	357.59558	12.46605	0.3347169	0.23617938	2.5920382	21	—	—
167067 2003 QL_{108}	16.3	X	306.81995	240.80371	215.60006	2.54391	0.0659677	0.23017577	2.6369161	21	12 9.4	19.5
167068 2003 QY_{109}	15.5	X	13.26136	108.89449	310.48011	7.81718	0.3814629	0.22410323	2.6843386	21	—	—
167069 2003 RL_{1}	15.8	X	170.29150	260.67885	181.38787	22.15236	0.1225100	0.26018426	2.4300509	21	5 30.1	19.9
167070 2003 RQ_{2}	16.0	X	28.42352	248.88250	167.14328	5.37972	0.0900063	0.23567999	2.5956984	21	—	—
167071 2003 RR_{5}	15.8	X	72.34304	359.84001	3.10870	12.95044	0.2635084	0.23108293	2.6300105	21	—	—
167072 2003 RS_{10}	15.6	X	284.06366	0.92000	28.73882	8.70994	0.1769637	0.26799763	2.3825869	21	7 23.2	18.6
167073 2003 RG_{14}	16.5	X	135.90229	239.82226	184.11372	3.15145	0.1703835	0.25144831	2.4860140	21	4 2.9	20.1
167074 2003 RN_{14}	16.5	X	268.30394	107.43811	273.93599	5.34198	0.1331504	0.26606264	2.3941248	21	6 23.3	19.7
167075 2003 RY_{14}	17.0	X	11.53424	297.14371	17.87129	2.73261	0.1897901	0.27524743	2.3405641	21	9 29.1	18.9
167076 2003 RG_{18}	16.1	X	157.70679	352.91593	325.64087	13.00570	0.1476988	0.24060264	2.5601719	21	—	—
167077 2003 RZ_{19}	16.4	X	235.50235	226.31870	172.83327	4.16964	0.0440854	0.26440597	2.4041148	21	6 17.7	19.5
167078 2003 RC_{20}	16.6	X	323.39757	161.41081	177.14045	2.89943	0.1485546	0.26947573	2.3738664	21	7 16.0	18.7
167079 2003 RN_{21}	16.1	X	212.11567	97.85560	325.29540	7.45397	0.0920971	0.26450611	2.4035080	21	6 17.5	19.6
167080 2003 RX_{21}	16.5	X	251.73616	226.56405	187.01828	6.48442	0.1989914	0.26718513	2.3874147	21	7 7.7	20.0
167081 2003 RD_{22}	16.2	X	258.20434	115.90394	281.26906	5.39281	0.2538058	0.26559089	2.3969590	21	6 17.1	19.7
167082 2003 RX_{22}	15.5	X	21.08632	352.47322	59.40511	15.39807	0.2341206	0.22709041	2.6607466	21	—	—
167083 2003 RR_{25}	16.3	X	231.57385	227.59190	195.25196	23.64824	0.2164815	0.26403564	2.4063623	21	6 26.4	20.7
167084 2003 SF_{6}	16.2	X	275.97345	315.88011	29.70974	6.62794	0.1517147	0.26127382	2.4232903	21	5 10.5	19.5
167085 2003 SC_{8}	16.2	X	11.76771	260.56099	188.59974	5.69323	0.1571741	0.23411042	2.6072873	21	—	—
167086 2003 ST_{13}	16.9	X	285.87038	169.08251	130.29903	2.18869	0.1863198	0.25973108	2.4328767	21	3 19.1	20.2
167087 2003 SD_{14}	16.7	X	240.11900	185.89998	169.71192	2.78233	0.1970245	0.25856243	2.4402019	21	4 13.1	20.6
167088 2003 SX_{15}	16.7	X	261.25977	147.82127	166.89278	2.46655	0.2057571	0.25786675	2.4445888	21	3 11.1	20.5
167089 2003 SA_{16}	17.1	X	210.53744	78.94350	193.02626	10.06806	0.0254737	0.24008060	2.5638818	21	—	—
167090 2003 SK_{22}	17.1	X	244.05288	38.16844	317.14500	1.81361	0.2113042	0.25770410	2.4456173	21	4 13.9	21.1
167091 2003 SN_{22}	16.2	X	34.99123	286.44669	358.62043	4.55685	0.0373212	0.21329612	2.7742616	21	8 29.3	19.8
167092 2003 ST_{24}	16.0	X	204.58304	152.99854	249.06072	7.08937	0.1568440	0.25972138	2.4329373	21	5 9.6	19.8
167093 2003 SS_{29}	15.5	X	214.97397	223.98938	340.15337	6.90691	0.1445359	0.23420373	2.6065947	21	12 13.9	19.3
167094 2003 SQ_{31}	17.0	X	278.35269	106.22629	215.13190	1.77726	0.2052189	0.25896545	2.4376696	21	4 4.9	20.7
167095 2003 SH_{32}	15.9	X	78.45474	131.68535	314.93749	13.32608	0.1504000	0.24168124	2.5525490	21	2 12.0	18.7
167096 2003 SX_{32}	16.5	X	259.65843	196.48226	124.75642	3.33190	0.1662598	0.25691394	2.4506292	21	3 22.6	20.2
167097 2003 SL_{33}	16.5	X	233.59272	310.54035	72.83877	2.61343	0.1952588	0.26029805	2.4293426	21	5 12.1	20.3
167098 2003 SF_{37}	16.2	X	128.85515	231.11593	218.55594	5.41072	0.0736924	0.25502002	2.4627474	21	4 15.4	19.6
167099 2003 SP_{40}	16.2	X	183.07011	166.99166	260.08210	5.57915	0.0949662	0.25748096	2.4470300	21	5 20.7	19.7
167100 2003 ST_{43}	16.1	X	356.03902	304.19635	165.91196	8.92567	0.1196446	0.23803230	2.5785692	21	—	—
167101 2003 ST_{46}	16.6	X	274.20284	178.12235	210.10278	2.08573	0.1021601	0.26719270	2.3873696	21	7 15.8	19.4
167102 2003 SB_{47}	16.2	X	262.48048	133.16893	198.99385	6.89774	0.2369600	0.25954283	2.4340530	21	3 30.7	20.0
167103 2003 SL_{50}	16.2	X	155.59653	280.26171	198.76741	6.08180	0.1004544	0.26362795	2.4088425	21	6 28.9	19.7
167104 2003 SB_{51}	16.4	X	308.00664	128.67826	232.04561	1.56714	0.1415846	0.26902408	2.3765226	21	7 22.7	18.9
167105 2003 SD_{52}	16.1	X	138.92866	287.83225	40.85626	5.19353	0.1642483	0.23883019	2.5728229	21	—	—
167106 2003 SS_{60}	15.9	X	102.54849	16.45478	344.60761	10.64081	0.0883465	0.23765000	2.5813338	21	—	—
167107 2003 SK_{61}	16.8	X	235.33531	321.80081	84.80919	3.80986	0.1739219	0.26415086	2.4056625	21	6 14.4	20.5
167108 2003 SX_{61}	16.4	X	36.30369	249.01031	155.13984	10.15085	0.1870132	0.23245140	2.6196782	21	—	—
167109 2003 SK_{74}	16.2	X	310.59860	323.34438	338.03163	5.79111	0.1192778	0.26178721	2.4201211	21	4 30.1	19.1
167110 2003 SG_{76}	17.5	X	203.73939	173.26524	188.28817	6.20206	0.2575124	0.25248700	2.4791913	21	3 19.9	21.8
167111 2003 SU_{77}	16.1	X	228.92498	36.97395	225.23420	7.14707	0.1949450	0.24548117	2.5261391	21	—	—
167112 2003 SH_{78}	16.9	X	109.16747	28.00605	225.69890	5.58648	0.1829090	0.28112743	2.3078127	21	11 11.8	20.6
167113 Robertwick	16.4	X	165.97228	290.51970	7.04756	13.08324	0.2443431	0.24011004	2.5636723	21	—	—
167114 2003 SM_{82}	16.9	X	161.14497	327.55346	34.26200	3.86430	0.2031511	0.24635488	2.5201628	21	2 14.5	20.9
167115 2003 SU_{85}	15.7	X	190.98272	270.50994	3.79826	14.49976	0.1285361	0.23759419	2.5817380	21	—	—
167116 2003 SE_{87}	16.6	X	182.24780	298.02440	79.58633	5.66096	0.2303031	0.25147311	2.4858505	21	3 25.8	20.9
167117 2003 SF_{90}	17.0	X	283.26328	340.45025	3.58471	2.73500	0.1948994	0.26389516	2.4072162	21	5 11.4	20.2
167118 2003 SG_{90}	16.5	X	55.43492	187.88268	173.16046	3.28499	0.1519125	0.23048943	2.6345233	21	—	—
167119 2003 SW_{90}	16.6	X	266.62554	321.23260	81.13381	2.42165	0.1792664	0.26762548	2.3847951	21	7 14.0	19.8
167120 2003 SR_{98}	15.9	X	61.54854	79.03111	287.88214	13.10245	0.1066916	0.23284052	2.6167587	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
167121 2003 SZ_{122}	16.5	X	62.28919	254.53641	168.93669	12.42538	0.1778748	0.23859771	2.5744939	21	—	—
167122 2003 SL_{123}	16.3	X	334.07418	240.88597	56.95297	2.87405	0.1798590	0.26586641	2.3953027	21	5 28.8	18.3
167123 2003 SU_{124}	16.5	X	337.37639	283.19018	31.67754	4.39751	0.2219769	0.26834872	2.3805083	21	6 28.6	18.2
167124 2003 SB_{134}	16.6	X	135.65318	290.36729	96.89565	4.32579	0.1295742	0.24569403	2.5246798	21	2 11.5	20.1
167125 2003 SZ_{137}	17.4	X	151.10004	340.33244	30.26435	7.76737	0.2740462	0.24552554	2.5258348	21	2 24.0	21.6
167126 2003 SS_{141}	15.4	X	287.45312	91.50900	14.69989	15.31325	0.1073350	0.22129151	2.7070288	21	11 11.8	19.0
167127 2003 SX_{143}	16.4	X	48.90801	73.51574	337.40149	4.14308	0.2436789	0.23286519	2.6165739	21	—	—
167128 2003 SK_{148}	16.1	X	212.65825	272.27132	107.04060	10.18719	0.2336859	0.25655896	2.4528891	21	4 22.2	20.5
167129 2003 SO_{155}	16.8	X	277.24274	115.38458	202.85622	8.33108	0.2431154	0.25935998	2.4351968	21	3 25.8	20.7
167130 2003 SL_{156}	16.7	X	204.77363	169.59515	246.98709	0.47837	0.1617691	0.25889052	2.4381399	21	5 29.2	20.4
167131 2003 SR_{159}	16.4	X	131.87593	190.16674	249.64752	6.08880	0.1392356	0.25335209	2.4735445	21	4 13.0	20.0
167132 2003 SX_{162}	16.8	X	293.47843	166.48526	144.64867	1.50488	0.1956135	0.25982154	2.4323120	21	4 10.9	20.0
167133 2003 SS_{164}	15.6	X	298.38138	259.05085	185.23800	13.48377	0.0732261	0.22106500	2.7088777	21	11 10.3	19.1
167134 2003 SF_{167}	15.6	X	334.52751	120.45952	346.20284	11.35007	0.1507547	0.22836686	2.6508226	21	—	—
167135 2003 SE_{178}	15.6	X	265.36756	121.69230	302.95302	4.64000	0.0410448	0.21464303	2.7626436	21	8 29.5	19.3
167136 2003 SG_{178}	16.4	X	73.28934	81.01384	315.19231	5.91853	0.0702585	0.23647176	2.5899011	21	—	—
167137 2003 SS_{184}	16.5	X	338.06399	269.37189	15.08144	11.07696	0.1910114	0.26441386	2.4040670	21	5 10.2	18.8
167138 2003 SP_{195}	16.2	X	354.80007	174.43189	253.32516	6.01648	0.0953344	0.28305218	2.2973388	21	—	—
167139 2003 SU_{195}	15.7	X	80.53511	41.60837	325.11119	3.31549	0.2314520	0.23183369	2.6243294	21	—	—
167140 2003 SP_{196}	16.1	X	35.72886	274.09114	227.26464	14.16815	0.1204442	0.24323361	2.5416768	21	2 4.8	19.2
167141 2003 SZ_{196}	15.9	X	255.73017	119.08514	231.18847	10.88634	0.2206451	0.25991753	2.4317131	21	4 16.5	19.7
167142 2003 SV_{199}	15.9	X	68.47219	28.34553	10.75443	10.29107	0.1286571	0.23325012	2.6136944	21	—	—
167143 2003 SD_{200}	15.6	X	89.82067	4.50260	15.28025	11.08194	0.1654116	0.23410318	2.6073411	21	—	—
167144 2003 SG_{200}	16.3	X	284.16880	299.54297	53.29129	5.91666	0.2431675	0.26653682	2.3912844	21	5 18.1	19.4
167145 2003 SS_{205}	16.6	X	311.86191	96.83197	193.45435	4.75214	0.1972293	0.26135055	2.4228160	21	4 5.9	19.6
167146 2003 ST_{207}	16.3	X	77.77076	234.88203	183.15969	4.84354	0.2044799	0.23784336	2.5799346	21	1 10.9	18.9
167147 2003 SZ_{207}	16.4	X	39.86182	15.82124	49.53008	3.51190	0.2503946	0.23245837	2.6196258	21	—	—
167148 2003 SO_{208}	17.0	X	202.62362	75.90361	307.48233	3.80384	0.1719142	0.25695225	2.4503856	21	4 12.8	21.0
167149 2003 SR_{210}	16.4	X	312.94896	116.95360	235.02688	5.57737	0.1291734	0.27104909	2.3646711	21	7 18.9	18.8
167150 2003 SR_{211}	16.2	X	292.31217	194.06299	114.91991	7.70445	0.1682542	0.26213501	2.4179799	21	4 13.8	19.5
167151 2003 SH_{212}	16.2	X	221.87631	201.90194	115.50088	8.12331	0.1285212	0.25136449	2.4865666	21	2 11.8	20.1
167152 2003 SM_{213}	15.8	X	63.88088	10.93453	29.04420	12.37200	0.1723910	0.23333641	2.6130499	21	—	—
167153 2003 SA_{218}	16.7	X	97.18287	114.17738	188.32689	4.09236	0.0897095	0.22610943	2.6684368	21	12 15.8	20.6
167154 2003 SC_{218}	15.7	X	185.97424	77.53938	204.75680	13.79557	0.1180097	0.23499538	2.6007374	21	—	—
167155 2003 SU_{218}	15.5	X	348.80944	13.75300	42.25739	6.90794	0.0487480	0.22222218	2.6994655	21	12 15.2	18.9
167156 2003 SA_{228}	15.6	X	305.53902	54.64172	353.60284	5.84067	0.0130292	0.21780451	2.7358449	21	10 5.5	19.2
167157 2003 SA_{234}	16.3	X	160.27719	104.71686	44.79865	6.53511	0.0748357	0.26697691	2.3886559	21	8 17.9	19.7
167158 2003 SD_{235}	16.6	X	179.84643	153.84745	202.62379	11.88547	0.2178436	0.24585047	2.5236087	21	2 20.2	21.0
167159 2003 SH_{235}	17.1	X	262.74681	134.16906	213.15471	5.84262	0.1610193	0.26045060	2.4283940	21	4 27.5	20.4
167160 2003 SY_{238}	16.5	X	215.13473	179.51282	317.49372	2.66144	0.1128318	0.27349687	2.3505409	21	9 27.3	19.7
167161 2003 SU_{244}	16.4	X	245.15790	242.99609	198.25804	5.46160	0.1562252	0.26882301	2.3777075	21	8 11.6	19.8
167162 2003 SW_{246}	16.3	X	63.21296	194.42597	183.00710	11.03190	0.1166703	0.23240490	2.6200276	21	—	—
167163 2003 SG_{247}	16.6	X	165.44532	135.09681	193.74929	12.60260	0.1904999	0.24262578	2.5459200	21	1 5.9	20.8
167164 2003 ST_{247}	17.1	X	272.03634	300.13081	23.31343	2.98788	0.1818613	0.25846374	2.4408230	21	4 4.2	20.7
167165 2003 SY_{247}	16.4	X	188.98688	84.36162	5.08170	6.78170	0.0782284	0.26311780	2.4119552	21	6 27.5	19.9
167166 2003 SR_{248}	15.6	X	136.89061	39.14715	173.37878	10.35033	0.1229898	0.22075324	2.7114275	21	10 10.1	19.8
167167 2003 SZ_{249}	15.4	X	21.52282	144.81326	207.75751	13.60638	0.1232709	0.22115936	2.7081071	21	11 20.1	18.8
167168 2003 SP_{250}	16.4	X	138.52799	169.90712	196.25712	6.04512	0.2415634	0.24111927	2.5565136	21	1 30.7	20.3
167169 2003 SH_{251}	15.4	X	266.38596	285.88454	201.61731	11.77800	0.1004178	0.22146562	2.7056099	21	11 16.2	18.9
167170 2003 SC_{252}	15.4	X	69.25950	150.54044	229.91894	11.86644	0.1292347	0.22933257	2.6433757	21	—	—
167171 2003 SP_{257}	16.7	X	70.70534	305.32017	110.02622	1.97972	0.1367539	0.23834768	2.5762941	21	—	—
167172 2003 SV_{257}	16.5	X	280.19099	215.96902	92.01691	3.63466	0.2019042	0.25834556	2.4415674	21	3 23.5	20.1
167173 2003 SN_{258}	15.9	X	207.11417	61.09511	187.43971	7.39544	0.1640233	0.23598324	2.5934742	21	—	—
167174 2003 SL_{260}	16.5	X	145.07620	278.94508	327.42065	6.35881	0.1822066	0.23030947	2.6358955	21	11 26.4	21.0
167175 2003 SO_{266}	16.3	X	139.47145	270.40811	16.65084	4.03182	0.2661389	0.23479691	2.6022028	21	—	—
167176 2003 SO_{269}	16.3	X	219.82689	268.26036	124.36689	2.91083	0.1899045	0.25825514	2.4421372	21	5 12.4	20.2
167177 2003 SD_{271}	16.6	X	230.82779	221.08108	121.33171	7.38439	0.1653342	0.25347902	2.4727186	21	3 23.7	20.6
167178 2003 SF_{272}	16.2	X	206.76772	293.01610	334.22171	14.21434	0.0952138	0.24155443	2.5534423	21	—	—
167179 2003 SK_{273}	15.6	X	35.18338	83.82191	342.47528	10.52932	0.2668276	0.22960790	2.6412621	21	—	—
167180 2003 SR_{273}	15.9	X	209.79220	124.78558	230.49669	12.50265	0.1257843	0.25468577	2.4649017	21	3 12.7	20.0
167181 2003 SH_{277}	15.8	X	330.87435	100.51786	351.46908	14.08167	0.0614906	0.22877822	2.6476440	21	—	—
167182 2003 SK_{281}	16.6	X	51.36884	11.67060	230.23956	9.08250	0.1865281	0.26989671	2.3713973	21	8 14.9	19.4
167183 2003 SU_{284}	15.6	X	182.75837	353.53544	293.51780	8.47451	0.0201500	0.23658826	2.5890509	21	—	—
167184 2003 SO_{286}	15.6	X	24.82801	344.75230	319.50347	11.93005	0.1367298	0.21647844	2.7470061	21	9 15.7	18.9
167185 2003 SZ_{287}	15.8	X	69.32368	119.48400	334.85273	9.10471	0.1687960	0.24090153	2.5580538	21	2 12.1	18.4
167186 2003 SO_{288}	16.1	X	199.10099	348.04660	74.09016	3.08919	0.1896139	0.25852512	2.4404367	21	5 30.6	20.0
167187 2003 SX_{294}	15.5	X	64.74349	335.91718	64.23969	10.78589	0.1945518	0.23161946	2.6259474	21	—	—
167188 2003 SA_{295}	15.1	X	107.42204	312.74472	54.10721	14.46688	0.1967209	0.23463381	2.6034085	21	—	—
167189 2003 SS_{299}	15.3	X	73.96543	344.06362	17.90016	14.14858	0.2032743	0.22799433	2.6537094	21	—	—
167190 2003 SR_{302}	15.8	X	312.36592	303.34011	248.53279	5.21347	0.1278780	0.24359229	2.5391812	21	—	—
167191 2003 SQ_{306}	15.4	X	264.59395	246.71593	277.39843	10.74864	0.2095973	0.22477065	2.6790222	21	12 14.2	18.5
167192 2003 SU_{309}	17.3	X	283.64390	127.57427	200.80748	5.43087	0.1396325	0.26136139	2.4227490	21	4 30.1	20.4
167193 2003 SD_{322}	16.0	X	125.14313	35.10234	335.35540	14.38507	0.1860601	0.23921951	2.5700307	21	1 20.0	19.6
167194 2003 SL_{322}	14.8	X	135.69037	165.54095	223.05447	13.29926	0.2782591	0.23843408	2.5756716	21	2 25.2	19.1
167195 2003 TP_{1}	15.6	X	136.70543	32.10394	108.02150	2.78163	0.2246796	0.20010713	2.8948607	21	7 15.4	20.2
167196 2003 TN_{5}	15.6	X	63.55843	89.98519	281.12871	13.46909	0.1326643	0.23001763	2.6381246	21	—	—
167197 2003 TO_{5}	15.6	X	54.61061	129.47223	312.01336	12.78047	0.1514547	0.23666130	2.5885181	21	—	—
167198 2003 TV_{7}	15.8	X	115.26950	278.74037	106.88299	12.24099	0.0747902	0.23950732	2.5679714	21	1 6.7	18.8
167199 2003 TT_{14}	16.4	X	81.72316	209.59146	150.17010	7.34496	0.2395261	0.23235733	2.6203852	21	—	—
167200 2003 TO_{18}	16.3	X	94.06173	182.39135	208.38655	17.66447	0.2395797	0.23693930	2.5864930	21	1 5.4	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
167201 2003 TE_{20}	16.0	X	102.15181	80.50344	228.38729	13.02554	0.1481169	0.23122686	2.6289190	21	12 31.6	20.4
167202 2003 TO_{20}	15.7	X	18.04805	108.05704	358.99412	28.06397	0.1834111	0.23529324	2.5985420	21	—	—
167203 2003 TW_{20}	16.0	X	68.49418	10.33266	48.14936	8.49079	0.0585377	0.23877003	2.5732551	21	—	—
167204 2003 TO_{33}	17.2	X	78.06059	205.72860	150.67859	2.79984	0.0999949	0.23160275	2.6260737	21	—	—
167205 2003 TR_{43}	16.1	X	57.30586	95.18699	202.68097	4.42911	0.0984150	0.21826004	2.7320369	21	10 24.5	19.6
167206 2003 TP_{52}	16.9	X	163.85444	9.14190	105.84888	3.43894	0.1315712	0.25964920	2.4333881	21	7 4.4	20.7
167207 2003 UH_{1}	16.3	X	83.51880	46.78201	355.18263	11.17065	0.1517514	0.23762408	2.5815216	21	—	—
167208 Lelekovice	16.3	X	26.09565	327.04079	78.26100	4.76375	0.1824922	0.22897591	2.6461199	21	—	—
167209 2003 UX_{13}	16.1	X	231.45731	124.31067	316.98926	2.66685	0.0517817	0.21052013	2.7985966	21	8 7.6	19.9
167210 2003 UN_{14}	15.9	X	10.96652	35.20767	37.60895	5.97327	0.1086215	0.22898830	2.6460244	21	—	—
167211 2003 UO_{16}	16.9	X	102.59643	214.28542	186.09772	4.59774	0.2266019	0.23893384	2.5720788	21	1 30.7	20.0
167212 2003 UQ_{18}	15.6	X	327.07538	210.05152	204.84058	9.12826	0.1980950	0.21802543	2.7339965	21	11 10.7	18.1
167213 2003 UC_{19}	16.4	X	357.27450	113.20501	336.51295	2.60131	0.1041938	0.22952550	2.6418942	21	—	—
167214 2003 UA_{22}	15.6	X	76.37016	132.85121	291.19253	11.49650	0.1460355	0.23799969	2.5788047	21	1 10.0	18.2
167215 2003 UC_{23}	16.6	X	85.94115	27.30592	3.40671	3.60318	0.2516720	0.23586237	2.5943602	21	—	—
167216 2003 UH_{26}	16.0	X	25.93704	74.10996	28.52915	12.06523	0.1596200	0.23488957	2.6015183	21	—	—
167217 2003 US_{28}	16.7	X	151.73362	34.89919	68.02460	2.81526	0.1697385	0.25530623	2.4609065	21	6 8.1	20.4
167218 2003 UY_{30}	16.9	X	287.65648	323.56419	301.26067	1.37247	0.1973799	0.25216860	2.4812777	21	2 4.1	20.7
167219 2003 UH_{31}	16.6	X	111.79498	335.76204	204.58340	2.00401	0.1267529	0.26321577	2.4113566	21	8 3.4	20.1
167220 2003 UQ_{32}	16.0	X	191.97702	65.27388	197.67220	1.39801	0.1418267	0.23526719	2.5987339	21	—	—
167221 2003 UA_{33}	15.8	X	325.09147	18.07524	189.67235	6.17991	0.1582760	0.24514687	2.5284351	21	1 11.2	19.2
167222 2003 UT_{39}	16.1	X	50.55434	315.52103	56.10184	3.98532	0.1437044	0.22732634	2.6589054	21	—	—
167223 2003 UE_{40}	16.1	X	188.31863	303.31963	193.18092	3.28081	0.0371031	0.20960660	2.8067221	21	8 27.2	20.0
167224 2003 UD_{41}	16.1	X	157.12778	111.21124	211.34260	10.86433	0.2093135	0.23845095	2.5755501	21	—	—
167225 2003 UJ_{45}	16.3	X	160.50270	312.32112	334.53814	7.58604	0.2399784	0.23634248	2.5908456	21	—	—
167226 2003 UP_{45}	16.1	X	43.61447	115.74401	203.37353	5.49717	0.1410616	0.21825846	2.7320501	21	11 9.7	19.7
167227 2003 UT_{47}	15.3	X	60.48976	244.10488	225.80954	21.38230	0.1185065	0.23947277	2.5682184	21	2 2.9	18.8
167228 2003 UF_{53}	15.5	X	142.28223	315.51084	311.17772	8.78934	0.0916222	0.22627045	2.6671708	21	12 18.9	19.6
167229 2003 UM_{56}	16.5	X	81.33389	340.04089	14.23708	1.96092	0.2181515	0.23083392	2.6319015	21	—	—
167230 2003 UJ_{57}	15.6	X	47.61456	148.64199	227.96517	5.53799	0.0073558	0.22648601	2.6654781	21	—	—
167231 2003 UE_{58}	16.3	X	39.49803	123.83639	352.82831	12.93840	0.1196614	0.24130010	2.5552362	21	1 18.6	19.2
167232 2003 UC_{59}	15.8	X	170.30518	24.41627	277.60815	12.53768	0.1503047	0.23743842	2.5828671	21	—	—
167233 2003 UX_{61}	15.5	X	285.58676	303.84746	154.46308	9.66369	0.1749823	0.22041526	2.7141985	21	10 27.9	18.8
167234 2003 UB_{63}	16.5	X	95.88746	271.84222	138.26926	7.20877	0.1637742	0.24066959	2.5596970	21	1 24.3	19.5
167235 2003 UJ_{64}	15.8	X	60.17458	170.10290	183.61108	18.57784	0.1656069	0.22708565	2.6607838	21	—	—
167236 2003 UO_{64}	15.9	X	261.30270	276.74524	155.47963	9.50092	0.2108687	0.21160686	2.7890067	21	8 9.7	20.0
167237 2003 UJ_{70}	16.7	X	91.80889	357.93864	359.85631	1.96614	0.1806426	0.23369247	2.6103950	21	—	—
167238 2003 UY_{73}	16.2	X	145.28191	355.08008	337.92414	4.62900	0.0941739	0.23855582	2.5747953	21	—	—
167239 2003 UZ_{75}	16.3	X	0.99914	168.91324	299.90737	3.00263	0.2230063	0.23232568	2.6206231	21	—	—
167240 2003 UU_{81}	17.3	X	209.32381	260.88406	178.84176	2.04550	0.1889995	0.26124284	2.4234819	21	7 1.4	21.2
167241 2003 UC_{91}	16.1	X	279.89698	272.56263	152.97792	6.62167	0.1495529	0.21400477	2.7681338	21	9 4.9	19.5
167242 2003 US_{91}	16.2	X	144.39845	108.59359	144.52592	3.31473	0.1363103	0.22599790	2.6693147	21	12 5.0	20.4
167243 2003 UQ_{94}	15.8	X	193.28899	239.14505	20.43384	13.16967	0.1606997	0.23535199	2.5981096	21	—	—
167244 2003 UB_{95}	16.3	X	123.90861	95.39397	27.40876	9.62565	0.1829307	0.25350972	2.4725190	21	6 5.6	20.1
167245 2003 UR_{96}	16.2	X	344.21036	111.65718	309.20364	1.72292	0.0539272	0.22623558	2.6674448	21	12 16.8	19.4
167246 2003 UX_{96}	16.1	X	339.25047	219.54486	203.87260	2.37303	0.0907428	0.22457930	2.6805437	21	12 14.5	19.1
167247 2003 UU_{97}	16.2	X	114.68670	275.11635	41.05906	2.99912	0.0875262	0.23040481	2.6351683	21	—	—
167248 2003 UL_{99}	15.6	X	131.91118	147.38551	197.81402	16.67513	0.2366454	0.23650039	2.5896922	21	—	—
167249 2003 UP_{99}	16.0	X	268.89190	254.00652	195.22027	14.96112	0.2142711	0.21186905	2.7867052	21	9 7.8	20.0
167250 2003 UQ_{99}	15.5	X	345.52047	197.74415	198.05215	14.46917	0.1296488	0.21837121	2.7311096	21	11 19.7	18.6
167251 2003 UJ_{104}	16.8	X	60.78768	228.11254	246.23469	0.87644	0.0793562	0.24482513	2.5306498	21	2 13.3	19.7
167252 2003 UP_{109}	15.5	X	259.45983	248.76746	244.95059	4.13072	0.0615394	0.22052908	2.7132645	21	11 18.9	19.1
167253 2003 UY_{109}	15.9	X	191.88824	246.90183	33.97418	5.98367	0.1961101	0.23701885	2.5859143	21	—	—
167254 2003 UU_{113}	15.3	X	33.81294	289.90870	67.77340	15.34784	0.1239189	0.22345719	2.6895100	21	12 12.8	18.7
167255 2003 UT_{115}	15.5	X	25.06439	1.51142	17.28479	9.08357	0.1569786	0.22483175	2.6785368	21	—	—
167256 2003 UE_{117}	16.5	X	141.87373	150.57956	206.33652	7.29264	0.2043975	0.24048014	2.5610412	21	1 18.5	20.4
167257 2003 UG_{118}	15.6	X	191.78857	216.27235	316.04132	4.32615	0.0515332	0.21943202	2.7223004	21	10 15.1	19.5
167258 2003 UH_{120}	15.9	X	84.97783	248.00739	26.19931	5.15585	0.0753649	0.21958380	2.7210458	21	10 24.9	19.6
167259 2003 UF_{121}	15.8	X	8.15006	80.97313	356.59316	14.38009	0.1045152	0.22863913	2.6487177	21	—	—
167260 2003 UM_{122}	16.8	X	136.82813	52.46976	260.60452	0.96283	0.1344365	0.23403104	2.6078768	21	—	—
167261 2003 UT_{122}	15.8	X	40.12485	265.47148	120.23797	14.34105	0.1758676	0.22654571	2.6650099	21	—	—
167262 2003 UN_{123}	16.0	X	122.68695	264.27855	41.31189	14.00154	0.2080695	0.23058645	2.6337842	21	—	—
167263 2003 UC_{127}	16.8	X	128.07911	305.61149	43.82544	4.56458	0.1948723	0.23773171	2.5807423	21	—	—
167264 2003 UH_{127}	16.5	X	320.24485	8.39734	147.57354	1.16150	0.1414697	0.23288617	2.6164167	21	—	—
167265 2003 UH_{129}	15.7	X	177.14119	1.64432	269.02827	13.96677	0.1572998	0.23469604	2.6029483	21	—	—
167266 2003 UN_{129}	15.8	X	9.16552	179.50082	264.18706	9.50482	0.0686993	0.23093253	2.6311522	21	—	—
167267 2003 UW_{131}	15.2	X	216.03159	287.30069	18.03200	14.96733	0.1337700	0.24295092	2.5436480	21	1 27.9	19.5
167268 2003 UN_{137}	16.8	X	150.58922	265.72305	25.49493	1.95516	0.3036577	0.23647419	2.5898835	21	—	—
167269 2003 UP_{142}	16.0	X	25.86670	106.08102	359.22362	7.44805	0.1542121	0.23454808	2.6040429	21	—	—
167270 2003 UQ_{146}	16.3	X	324.13137	277.30555	189.95152	8.46841	0.2662567	0.22353979	2.6888474	21	—	—
167271 2003 UY_{146}	16.0	X	340.92485	271.38751	190.97331	11.15297	0.1556021	0.22640795	2.6660908	21	—	—
167272 2003 UP_{147}	16.3	X	110.11338	94.48782	336.56015	2.64494	0.2072874	0.24240455	2.5474688	21	3 18.7	19.6
167273 2003 UK_{148}	15.9	X	43.59236	239.61299	173.09513	9.24743	0.0610327	0.23062417	2.6334971	21	—	—
167274 2003 UT_{148}	15.7	X	159.93863	257.23598	37.56297	14.90370	0.1375792	0.23329393	2.6133672	21	—	—
167275 2003 UU_{148}	16.0	X	129.73418	137.08747	187.68030	3.06693	0.1290703	0.23306109	2.6151074	21	—	—
167276 2003 UR_{150}	15.2	X	355.38050	208.38178	224.87842	15.64375	0.1246873	0.22541358	2.6739257	21	—	—
167277 2003 US_{150}	16.6	X	147.93923	186.87663	188.96775	4.19563	0.1694712	0.24365936	2.5387152	21	2 13.3	20.5
167278 2003 UZ_{161}	15.8	X	338.44741	151.63740	176.43645	4.67464	0.1021765	0.21136829	2.7911049	21	7 30.7	19.1
167279 2003 UD_{166}	16.6	X	65.53627	145.51031	213.93011	1.65920	0.0932837	0.22814619	2.6525316	21	—	—
167280 2003 UB_{168}	16.5	X	113.26771	351.54623	20.17621	4.27122	0.1976682	0.23631194	2.5910688	21	1 6.0	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
167281 2003 UB_{169}	16.1	X	38.20723	216.81717	234.60584	12.11882	0.1304550	0.23436642	2.6053883	21	—	—
167282 2003 UT_{169}	16.0	X	71.96410	173.24323	238.57391	1.57252	0.1062331	0.23495284	2.6010513	21	—	—
167283 2003 UH_{170}	15.4	X	249.50008	124.03030	30.82221	11.96902	0.1152698	0.22158414	2.7046450	21	11 22.8	19.1
167284 2003 UR_{175}	16.3	X	22.98462	175.91046	319.60969	1.10690	0.0931760	0.24307106	2.5428098	21	1 12.9	19.1
167285 2003 UP_{180}	15.6	X	153.42228	241.34561	56.92223	12.77386	0.0946828	0.23245220	2.6196721	21	—	—
167286 2003 UZ_{180}	15.9	X	62.89311	10.53059	339.75814	6.23070	0.0795666	0.22676332	2.6633047	21	—	—
167287 2003 UF_{181}	15.9	X	336.11729	4.15941	98.63640	5.52035	0.1609797	0.22700218	2.6614360	21	—	—
167288 2003 US_{189}	15.6	X	0.26268	309.10524	103.80550	3.28083	0.0645013	0.22463404	2.6801083	21	12 30.1	19.0
167289 2003 UX_{195}	16.0	X	307.95709	280.49532	145.12216	2.55955	0.0947745	0.21730845	2.7400068	21	10 27.2	19.2
167290 2003 UU_{196}	16.1	X	292.54496	177.18304	286.44975	0.69777	0.0262340	0.22276160	2.6951058	21	11 29.5	19.6
167291 2003 UX_{199}	16.6	X	175.09960	357.46478	86.77223	2.52487	0.1480689	0.25652914	2.4530793	21	6 5.7	20.2
167292 2003 UD_{200}	16.8	X	169.65535	148.01452	185.23051	1.90048	0.1257871	0.24192679	2.5508215	21	1 11.0	20.5
167293 2003 UN_{205}	15.9	X	145.55792	301.84520	31.82287	7.99582	0.2021814	0.23657387	2.5891559	21	—	—
167294 2003 UB_{206}	16.0	X	42.00905	206.98023	237.30350	4.65724	0.1612863	0.23433314	2.6056350	21	—	—
167295 2003 UC_{209}	16.0	X	77.77997	263.38243	2.05661	4.16892	0.0300174	0.21435221	2.7651418	21	9 27.9	19.7
167296 2003 UF_{210}	16.6	X	67.50706	50.17015	31.78064	4.59244	0.2346741	0.23723418	2.5843493	21	2 1.5	18.9
167297 2003 UD_{211}	15.8	X	62.94295	268.46051	40.41232	13.19237	0.1177404	0.21958494	2.7210364	21	11 15.7	19.6
167298 2003 UA_{213}	15.5	X	303.63645	33.63263	42.97433	8.32044	0.0622383	0.21733460	2.7397870	21	11 5.9	18.8
167299 2003 UR_{215}	16.4	X	30.39023	249.67352	170.97710	5.28912	0.1582085	0.23085836	2.6317157	21	—	—
167300 2003 UV_{216}	16.7	X	235.44104	24.67871	346.37864	5.03894	0.0591363	0.25790937	2.4443195	21	5 6.1	20.0
167301 2003 UB_{217}	16.7	X	174.71487	269.72401	223.65444	11.05386	0.1941995	0.26230558	2.4169316	21	8 4.5	20.9
167302 2003 UG_{218}	15.9	X	235.01516	293.34889	183.49010	5.63759	0.0225345	0.21512155	2.7585452	21	10 1.9	19.7
167303 2003 UJ_{222}	15.4	X	302.95327	67.72993	35.13324	14.07746	0.0132582	0.22227135	2.6990673	21	12 11.0	19.2
167304 2003 UE_{223}	15.8	X	109.01538	19.65545	348.94388	4.72182	0.1786725	0.23452884	2.6041853	21	—	—
167305 2003 UO_{227}	15.6	X	274.88128	340.46546	287.11818	3.83757	0.0656819	0.24594517	2.5229609	21	2 8.3	19.0
167306 2003 UU_{228}	15.8	X	76.00929	283.76101	3.02858	5.65902	0.0322663	0.21646618	2.7471098	21	10 22.5	19.7
167307 2003 UX_{232}	17.0	X	110.09537	47.11071	24.54328	3.06096	0.0926448	0.24493813	2.5298714	21	3 3.7	20.2
167308 2003 UD_{233}	15.9	X	326.75581	105.19802	24.65924	12.23557	0.0432253	0.23034104	2.6356547	21	—	—
167309 2003 UQ_{237}	16.1	X	62.44077	74.68789	246.76992	4.01515	0.2174422	0.22230465	2.6987978	21	12 15.3	20.0
167310 2003 UP_{238}	15.7	X	287.21178	308.44739	234.98340	4.89171	0.1050104	0.23534910	2.5981309	21	—	—
167311 2003 UE_{240}	16.2	X	213.74625	268.57096	23.43821	3.11422	0.0328280	0.24058776	2.5602774	21	1 3.1	19.8
167312 2003 UG_{240}	16.5	X	189.77793	54.26901	221.39600	4.90388	0.0646057	0.23479140	2.6022435	21	—	—
167313 2003 UV_{243}	16.8	X	163.76645	91.18502	255.28287	3.71779	0.2920236	0.24225290	2.5485318	21	2 2.7	21.2
167314 2003 UU_{246}	15.8	X	37.87497	241.58635	221.14264	12.29862	0.2400734	0.23381211	2.6095045	21	—	—
167315 2003 UA_{247}	16.0	X	132.78528	117.85542	211.59787	8.60850	0.1420062	0.23383454	2.6093376	21	—	—
167316 2003 UH_{247}	16.4	X	133.27836	272.02625	89.79425	2.94500	0.2034699	0.23826744	2.5768724	21	1 17.8	19.9
167317 2003 UD_{250}	15.3	X	139.64584	231.06088	59.49481	14.70833	0.1818649	0.22981251	2.6396941	21	—	—
167318 2003 UO_{252}	15.5	X	255.64098	67.68756	48.41416	6.26825	0.0221505	0.21547570	2.7555218	21	10 28.2	19.2
167319 2003 UH_{256}	16.0	X	296.63730	272.27884	183.09335	5.92347	0.0862381	0.22014132	2.7164497	21	11 19.8	19.4
167320 2003 UV_{257}	15.8	X	179.29877	158.31670	166.43339	4.49897	0.0823983	0.23923071	2.5699505	21	1 7.3	19.5
167321 2003 UO_{259}	15.5	X	208.10519	23.72679	257.33320	5.35689	0.1470632	0.23765694	2.5812836	21	—	—
167322 2003 UU_{259}	15.9	X	127.65101	191.35301	211.92465	5.87762	0.2053715	0.24097733	2.5575174	21	3 1.8	19.6
167323 2003 UE_{263}	15.6	X	301.69766	281.70291	174.74504	11.91749	0.1397317	0.22251077	2.6971309	21	11 25.8	18.8
167324 2003 UG_{263}	15.4	X	54.45892	231.92833	63.49128	13.37079	0.1205202	0.21927382	2.7236096	21	10 25.4	19.1
167325 2003 UM_{264}	16.3	X	149.62315	205.91495	159.45363	4.65451	0.1927072	0.24179271	2.5517645	21	2 5.4	20.0
167326 2003 UV_{267}	15.0	X	356.08568	282.13757	49.83512	12.93907	0.1775261	0.21294766	2.7772872	21	9 17.9	18.0
167327 2003 UU_{268}	15.6	X	7.73454	145.36693	233.63520	8.34359	0.0971872	0.21998952	2.7176992	21	11 29.6	18.9
167328 2003 UU_{270}	15.6	X	240.88061	67.90121	158.63736	9.09992	0.1367043	0.23669411	2.5882790	21	—	—
167329 2003 UC_{275}	16.0	X	18.96057	258.86281	250.13272	3.27436	0.0367917	0.24234591	2.5478797	21	1 27.3	19.1
167330 2003 UT_{276}	15.5	X	139.89467	304.79936	280.85945	4.80700	0.0295000	0.21772005	2.7365524	21	10 22.0	19.5
167331 2003 UX_{276}	15.7	X	324.77262	105.83465	30.20275	13.56124	0.1132633	0.22939823	2.6428713	21	—	—
167332 2003 UG_{280}	16.6	X	110.98829	333.56948	99.92074	6.07511	0.2631178	0.24258195	2.5462267	21	4 3.6	20.3
167333 2003 UM_{280}	15.8	X	347.71528	307.04564	90.89683	7.89652	0.2053194	0.27542805	2.3395407	21	12 20.6	17.7
167334 2003 UF_{281}	15.7	X	108.50141	261.56075	49.48268	9.07292	0.1230096	0.22662367	2.6643987	21	—	—
167335 2003 UH_{283}	16.4	X	85.72004	246.60009	158.09675	6.23126	0.1607195	0.23619369	2.5919335	21	1 1.4	19.3
167336 2003 UA_{289}	16.9	X	154.87157	281.85122	37.38649	1.93876	0.2024253	0.23866374	2.5740190	21	—	—
167337 2003 UY_{289}	16.7	X	181.94010	286.61572	328.94752	2.52329	0.0542213	0.22835721	2.6508973	21	—	—
167338 2003 UR_{299}	17.0	X	74.77828	140.42144	178.87064	2.13303	0.2069162	0.22691541	2.6621144	21	12 24.3	21.0
167339 2003 UN_{308}	16.2	X	313.04638	149.18021	359.76906	2.12029	0.0337919	0.23295512	2.6159004	21	—	—
167340 2003 UT_{314}	16.0	X	130.57741	252.84614	87.50665	13.74474	0.1692698	0.23717682	2.5847659	21	—	—
167341 Börzsöny	16.1	X	24.70211	11.61521	337.66168	5.18894	0.0227149	0.21611533	2.7500821	21	11 3.1	19.8
167342 2003 VS_{1}	16.0	X	105.37019	268.36592	39.42862	12.84660	0.1257880	0.22750775	2.6574917	21	—	—
167343 2003 VN_{7}	16.4	X	166.85127	109.61791	255.78888	1.41141	0.0753929	0.24279108	2.5447643	21	2 11.9	20.0
167344 2003 VX_{7}	15.2	X	346.18391	196.24992	209.40939	14.79076	0.2017688	0.21898726	2.7259851	21	12 9.1	18.0
167345 2003 VG_{8}	15.6	X	43.37999	148.21176	351.83327	7.57319	0.1406381	0.24050189	2.5608868	21	2 26.2	18.0
167346 2003 VU_{8}	16.4	X	358.26275	32.35848	221.11335	1.98611	0.1633519	0.25812715	2.4429444	21	5 12.7	18.5
167347 2003 WZ_{5}	15.7	X	122.36782	286.68173	77.61241	5.65999	0.2272115	0.23649409	2.5897381	21	1 12.2	19.2
167348 2003 WV_{8}	15.5	X	140.96289	271.56637	21.62888	11.51197	0.1954012	0.23012015	2.6373410	21	—	—
167349 2003 WA_{9}	15.8	X	172.57848	205.71063	7.16891	9.00348	0.0427040	0.21901659	2.7257417	21	11 12.8	19.7
167350 2003 WL_{9}	15.2	X	177.96180	1.76722	284.86478	11.19787	0.2256065	0.23492595	2.6012498	21	—	—
167351 2003 WY_{16}	16.6	X	161.97730	261.03851	57.16474	4.04651	0.2393588	0.23899186	2.5716625	21	—	—
167352 2003 WJ_{26}	15.8	X	12.20063	227.40057	205.81287	13.23170	0.2470389	0.22607677	2.6686938	21	—	—
167353 2003 WR_{27}	16.3	X	98.12909	28.21343	340.33283	3.45272	0.0710900	0.23284589	2.6167184	21	—	—
167354 2003 WE_{28}	16.0	X	8.18083	122.63231	319.43080	2.66688	0.0554078	0.22908343	2.6452919	21	—	—
167355 2003 WZ_{30}	15.9	X	131.07128	20.60511	264.62692	3.33667	0.0455938	0.22692651	2.6620276	21	12 28.9	19.7
167356 2003 WA_{32}	15.9	X	75.28338	322.93750	359.33624	5.57048	0.0246682	0.22278540	2.6949139	21	12 6.0	19.6
167357 2003 WM_{34}	16.3	X	305.33082	136.08927	335.12571	1.80536	0.0419886	0.22264341	2.6960596	21	12 25.8	19.6
167358 2003 WD_{36}	15.4	X	285.65541	201.37283	247.98662	14.18738	0.0836251	0.21588461	2.7520412	21	10 21.5	19.2
167359 2003 WN_{38}	16.0	X	76.21520	91.83580	277.82013	10.05729	0.0159336	0.22829849	2.6513518	21	—	—
167360 2003 WQ_{40}	15.9	X	344.05923	81.84805	18.32183	4.06125	0.0465161	0.22633595	2.6666561	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
167361 2003 WK_{42}	16.1	X	56.88929	123.74504	233.06649	3.89805	0.1287654	0.22457032	2.6806152	21	—	—
167362 2003 WD_{45}	15.8	X	359.98930	115.17007	346.41952	3.26780	0.0406462	0.22936778	2.6431051	21	—	—
167363 2003 WH_{46}	15.5	X	287.74682	3.09554	80.94716	6.41698	0.0209331	0.21718487	2.7410461	21	10 30.9	19.2
167364 2003 WJ_{47}	15.1	X	86.40178	134.32379	300.77883	8.42717	0.0107175	0.18300236	3.0725451	21	2 2.9	19.5
167365 2003 WS_{48}	16.4	X	156.78835	9.59219	290.77458	1.48384	0.0758282	0.23308211	2.6149502	21	—	—
167366 2003 WL_{49}	15.7	X	180.36378	358.03736	264.13143	11.72789	0.1066251	0.23131630	2.6282413	21	—	—
167367 2003 WQ_{54}	16.1	X	85.22410	267.08815	341.97491	4.98893	0.0318386	0.21195996	2.7859084	21	9 15.7	19.8
167368 2003 WG_{58}	16.1	X	49.63480	123.69400	246.23531	2.43789	0.0671521	0.22490180	2.6779806	21	—	—
167369 2003 WE_{60}	16.4	X	290.30319	345.47968	217.98036	1.79721	0.0083139	0.23533049	2.5982679	21	—	—
167370 2003 WB_{61}	16.1	X	151.01717	350.00296	8.74849	0.77819	0.1537571	0.23996210	2.5647258	21	1 26.7	19.6
167371 2003 WC_{61}	16.1	X	85.81148	44.85702	279.59503	0.91308	0.1329415	0.22475267	2.6791651	21	—	—
167372 2003 WK_{62}	15.9	X	217.62030	223.66497	178.16936	1.98678	0.0837267	0.19966091	2.8991722	21	5 29.5	20.2
167373 2003 WM_{64}	15.6	X	148.03571	321.91907	150.65263	0.16819	0.0901094	0.19737307	2.9215329	21	6 12.9	20.0
167374 2003 WM_{65}	15.6	X	89.24610	322.20049	70.35070	7.85750	0.1884304	0.23456654	2.6039062	21	—	—
167375 2003 WF_{66}	16.0	X	20.39747	25.75361	341.94620	9.13619	0.1721276	0.22002238	2.7174286	21	12 13.5	19.4
167376 2003 WH_{67}	16.1	X	60.09474	334.10805	42.86219	4.03917	0.1375300	0.22753040	2.6573154	21	—	—
167377 2003 WJ_{67}	16.3	X	67.94065	357.23950	45.79214	3.20845	0.1378199	0.23186689	2.6240789	21	—	—
167378 2003 WM_{67}	15.5	X	291.25978	349.03831	53.87946	5.96336	0.0224869	0.20942664	2.8083297	21	9 11.7	19.3
167379 2003 WW_{67}	15.7	X	48.02965	159.84483	246.63069	7.93647	0.0893091	0.22895946	2.6462467	21	—	—
167380 2003 WF_{68}	16.6	X	330.55249	46.65331	61.72060	3.83654	0.1427757	0.22446912	2.6814209	21	—	—
167381 2003 WL_{72}	16.1	X	182.26692	297.24926	13.51972	4.62092	0.1620792	0.23704320	2.5857372	21	—	—
167382 2003 WM_{72}	16.3	X	118.86180	290.31586	50.68660	12.55614	0.2685424	0.23372047	2.6101866	21	—	—
167383 2003 WY_{73}	15.3	X	136.09114	6.25786	346.67380	5.00986	0.2175737	0.23572417	2.5953741	21	1 12.8	19.1
167384 2003 WC_{75}	15.6	X	130.32910	255.29193	43.95603	11.88900	0.2033571	0.22813937	2.6525845	21	—	—
167385 2003 WX_{78}	16.7	X	42.87786	37.49205	18.33715	4.10200	0.2257828	0.23035793	2.6355258	21	—	—
167386 2003 WB_{79}	16.2	X	133.75378	2.47457	325.20402	2.32041	0.2151854	0.23451492	2.6042883	21	—	—
167387 2003 WN_{80}	15.1	X	314.57003	269.36348	291.68959	3.85376	0.0467280	0.18238458	3.0794794	21	1 20.1	19.3
167388 2003 WW_{84}	15.1	X	284.32112	49.63238	85.87617	16.32482	0.1137544	0.22153756	2.7050241	21	12 19.8	18.3
167389 2003 WN_{88}	15.8	X	321.10548	242.41662	230.97686	13.29524	0.0304355	0.22454752	2.6807967	21	—	—
167390 2003 WT_{88}	16.3	X	68.62454	321.70693	39.89012	0.86077	0.1131855	0.22818013	2.6522685	21	—	—
167391 2003 WN_{91}	16.0	X	346.38314	357.30221	147.16518	4.68838	0.1882540	0.23189188	2.6238904	21	—	—
167392 2003 WV_{93}	16.7	X	30.89740	14.83363	13.86251	3.20588	0.1400244	0.22568104	2.6718126	21	—	—
167393 2003 WK_{95}	15.9	X	58.00651	325.01578	74.38662	3.46175	0.0768412	0.22956125	2.6416199	21	—	—
167394 2003 WU_{95}	15.8	X	131.33870	72.40943	215.25729	3.77462	0.1853979	0.22752592	2.6573502	21	—	—
167395 2003 WX_{96}	15.0	X	178.21595	197.09752	63.87301	13.07473	0.1582521	0.22917563	2.6445823	21	—	—
167396 2003 WZ_{98}	15.2	X	110.30247	127.75089	327.50502	5.07686	0.0949301	0.18941038	3.0028493	21	4 7.7	19.4
167397 2003 WL_{100}	15.1	X	326.69182	302.69264	271.65281	6.52435	0.1086426	0.18369134	3.0648574	21	2 9.8	19.3
167398 2003 WN_{101}	15.8	X	161.85363	162.29795	174.03056	13.07505	0.1224850	0.23913032	2.5706697	21	1 6.0	19.8
167399 2003 WX_{101}	16.0	X	112.65935	226.28134	79.47486	2.32408	0.0691093	0.22575533	2.6712265	21	—	—
167400 2003 WZ_{101}	16.0	X	264.58140	249.00554	201.16908	3.39031	0.0664645	0.21354077	2.7721423	21	9 28.3	19.7
167401 2003 WS_{112}	16.1	X	342.77248	316.98432	36.61722	4.43812	0.1153976	0.21217669	2.7840109	21	9 15.7	19.1
167402 2003 WB_{113}	15.1	X	202.66391	40.61164	264.47659	12.22768	0.1720877	0.23984345	2.5655716	21	1 10.0	19.3
167403 2003 WK_{116}	16.2	X	105.96630	61.09237	283.57836	3.39052	0.1808785	0.23066144	2.6332134	21	—	—
167404 2003 WL_{116}	16.1	X	112.52476	306.69382	32.61482	4.70325	0.2521362	0.23206789	2.6225635	21	—	—
167405 2003 WP_{118}	15.9	X	20.47405	18.87122	17.79961	4.17335	0.1920156	0.22346025	2.6894854	21	—	—
167406 2003 WU_{118}	15.9	X	124.00684	25.88853	336.78778	4.04018	0.2098744	0.23563761	2.5960097	21	1 10.0	19.4
167407 2003 WH_{120}	15.1	X	286.46966	113.10636	51.19880	7.91398	0.1625308	0.22334039	2.6904476	21	—	—
167408 2003 WH_{124}	15.6	X	53.74078	107.46304	289.46452	10.97989	0.0637334	0.22621852	2.6675789	21	—	—
167409 2003 WO_{125}	16.4	X	99.80549	19.18196	34.73043	6.51957	0.2524011	0.23682298	2.5873399	21	2 22.6	19.7
167410 2003 WB_{127}	15.5	X	7.30447	314.62580	70.43903	10.23821	0.1883757	0.21826114	2.7320277	21	12 17.9	18.5
167411 2003 WW_{130}	15.8	X	25.10812	328.71684	34.41080	6.78350	0.0501021	0.21985526	2.7188055	21	11 26.5	19.3
167412 2003 WQ_{131}	16.3	X	299.03623	64.57728	3.20967	2.23579	0.1606893	0.21422652	2.7662232	21	10 5.8	19.3
167413 2003 WJ_{132}	16.0	X	164.65248	98.07132	236.24915	2.73707	0.2218142	0.23920817	2.5701120	21	1 15.9	20.2
167414 2003 WA_{134}	15.7	X	340.06643	2.20089	59.10786	10.36785	0.1357800	0.22048167	2.7136535	21	12 13.5	18.6
167415 2003 WZ_{134}	16.1	X	101.48410	119.82111	239.53473	2.01308	0.1763494	0.23170256	2.6253195	21	—	—
167416 2003 WY_{135}	16.0	X	51.57709	109.56667	284.22091	1.73989	0.1696434	0.22793768	2.6541490	21	—	—
167417 2003 WP_{139}	15.1	X	45.26797	318.06620	70.98776	14.69085	0.1714091	0.22550269	2.6732212	21	—	—
167418 2003 WF_{141}	14.9	X	106.86997	282.43716	76.60521	14.14158	0.1962957	0.23080172	2.6321463	21	—	—
167419 2003 WP_{141}	16.2	X	143.84761	145.01250	232.94239	1.96752	0.2106186	0.23905960	2.5711767	21	2 17.0	20.0
167420 2003 WT_{143}	16.5	X	109.18824	12.22941	347.49496	2.16547	0.0936751	0.23441669	2.6050158	21	—	—
167421 2003 WV_{143}	16.1	X	95.71864	341.97239	350.31570	3.48446	0.0887308	0.22700247	2.6614338	21	—	—
167422 2003 WS_{148}	15.8	X	164.53776	272.60176	94.40589	15.82142	0.1724310	0.24425658	2.5345753	21	2 25.6	20.0
167423 2003 WH_{149}	16.2	X	331.99696	263.94978	156.93138	12.62773	0.1429913	0.22049385	2.7135536	21	12 1.9	19.4
167424 2003 WK_{150}	16.0	X	22.49183	207.15926	161.85687	5.63035	0.1342792	0.22085802	2.7105698	21	12 13.9	19.4
167425 2003 WC_{153}	15.9	X	106.40407	162.47835	170.05070	13.24329	0.1964747	0.23079235	2.6322176	21	—	—
167426 2003 WQ_{154}	16.4	X	114.01154	135.98205	204.14959	11.45078	0.2139464	0.23267999	2.6179621	21	—	—
167427 2003 WP_{155}	16.3	X	38.84579	281.40414	200.77089	10.32165	0.0806666	0.23790290	2.5795041	21	1 19.4	19.5
167428 2003 WQ_{155}	16.0	X	97.99153	196.40708	179.46948	8.40698	0.0765010	0.23278820	2.6171508	21	—	—
167429 2003 WX_{157}	15.6	X	54.44705	279.87888	86.33956	13.97756	0.1686067	0.22760180	2.6567596	21	—	—
167430 2003 WW_{159}	16.1	X	211.83780	131.22333	73.30996	2.81290	0.1605807	0.22063390	2.7124051	21	12 7.5	20.2
167431 2003 WM_{162}	16.3	X	341.46888	209.89706	171.66338	2.13165	0.0605977	0.21593213	2.7516374	21	10 20.9	19.7
167432 2003 WD_{165}	16.7	X	340.29927	226.52097	84.05296	3.01820	0.0615721	0.20351563	2.8624476	21	7 12.7	20.3
167433 2003 WW_{169}	15.7	X	39.99717	260.61345	175.45251	14.78226	0.1204026	0.23107081	2.6301024	21	—	—
167434 2003 WL_{170}	15.9	X	89.41037	282.26881	182.40784	12.36919	0.1816782	0.24187491	2.5511863	21	4 2.5	18.9
167435 2003 WO_{171}	15.9	X	222.34573	289.23047	158.03757	7.06133	0.0825007	0.20586242	2.8406518	21	7 30.9	20.1
167436 2003 WU_{174}	16.1	X	355.95836	267.64788	17.66037	2.06906	0.0259584	0.20295983	2.8676709	21	7 2.7	19.9
167437 2003 WL_{176}	16.4	X	283.37268	82.16358	12.02547	7.45239	0.1916983	0.21474832	2.7617405	21	10 11.2	19.8
167438 2003 WL_{190}	15.5	X	327.10461	297.36729	161.79029	21.67524	0.1007219	0.22575717	2.6712119	21	—	—
167439 2003 WF_{193}	16.1	X	180.45692	16.78001	163.05738	4.14667	0.0202194	0.21469027	2.7622383	21	10 15.9	19.8
167440 2003 XT_{4}	15.5	X	137.40418	262.05804	108.98343	6.41269	0.2561973	0.23747451	2.5826053	21	2 9.5	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
167441 2003 XC_6	15.2	X	345.16071	337.34770	42.08966	15.21177	0.1268127	0.21487379	2.7606653	21	10 26.7	18.1
167442 2003 XG_6	15.1	X	0.87118	83.15883	284.13209	13.51339	0.0109210	0.21358545	2.7717556	21	10 20.5	19.2
167443 2003 XX_6	15.5	X	355.86252	55.00352	2.56982	14.67220	0.1301353	0.21918061	2.7243817	21	—	—
167444 2003 XK_7	15.3	X	79.71500	206.00144	244.86867	21.60185	0.0836185	0.23876855	2.5732657	21	2 2.7	19.0
167445 2003 XL_7	16.2	X	354.29284	232.29211	198.94739	5.26942	0.1549673	0.22301221	2.6930864	21	—	—
167446 2003 XH_8	15.6	X	54.37887	336.01880	49.90763	12.90863	0.0619283	0.22532654	2.6746142	21	—	—
167447 2003 XQ_8	15.1	X	120.98712	49.11068	316.88219	12.65835	0.1622114	0.23555788	2.5965954	21	1 4.8	18.6
167448 2003 XS_8	16.1	X	52.66376	67.36513	354.20240	11.98736	0.1231745	0.23124071	2.6288140	21	—	—
167449 2003 XP_9	15.4	X	55.69005	45.96275	22.82477	12.23240	0.2439721	0.23202543	2.6228835	21	—	—
167450 2003 XU_9	16.0	X	55.23776	96.23613	342.41271	11.19798	0.1599378	0.23297134	2.6157790	21	—	—
167451 2003 XA_{10}	16.3	X	17.79060	113.84550	323.42943	13.20778	0.2893647	0.22674590	2.6634410	21	—	—
167452 2003 XG_{17}	15.3	X	29.83408	97.22151	42.40593	1.28596	0.1060588	0.17765450	3.1339007	21	2 15.0	19.0
167453 2003 XB_{25}	16.2	X	48.36449	294.47729	225.11688	13.25291	0.1584960	0.24345756	2.5401179	21	4 2.3	18.9
167454 2003 XC_{37}	15.3	X	214.65328	33.64053	52.75984	12.73425	0.1897434	0.19959537	2.8998068	21	7 16.3	20.2
167455 2003 XQ_{37}	16.0	X	85.37612	53.37045	36.91087	13.07252	0.1254712	0.23923526	2.5699179	21	3 5.6	19.3
167456 2003 YP	14.5	X	101.21143	254.51375	292.91235	13.90022	0.1394829	0.19153332	2.9806192	21	7 29.8	18.9
167457 2003 YD_3	14.8	X	47.60397	128.84138	341.45471	15.85348	0.0754216	0.17744499	3.1363671	21	2 7.1	18.9
167458 2003 YE_3	15.0	X	293.80623	115.99135	75.06752	13.09199	0.1486478	0.22928970	2.6437052	21	—	—
167459 2003 YY_6	15.1	X	55.92734	48.84027	313.83065	12.79481	0.0961624	0.22031537	2.7150189	21	—	—
167460 2003 YO_7	14.5	X	297.77957	10.14067	81.77952	32.02237	0.1995393	0.21552238	2.7551239	21	11 15.0	18.0
167461 2003 YX_{15}	15.3	X	228.68612	8.04867	72.76362	11.69189	0.1086374	0.20004615	2.8954490	21	7 30.4	19.8
167462 2003 YP_{16}	15.9	X	306.69988	97.51816	306.85071	3.43828	0.1114562	0.20872638	2.8146074	21	9 20.4	19.4
167463 2003 YU_{20}	16.1	X	306.82043	353.49324	48.01456	2.26826	0.2356496	0.20948520	2.8078064	21	9 2.1	19.1
167464 2003 YF_{21}	16.5	X	307.94829	283.94962	85.07392	5.68448	0.1197399	0.25942007	2.4348208	21	8 9.8	19.1
167465 2003 YP_{21}	15.6	X	273.31768	340.30405	0.30886	2.54036	0.0360350	0.19152144	2.9807425	21	5 22.1	19.8
167466 2003 YA_{24}	15.5	X	33.69971	139.42153	293.62048	11.80772	0.1476111	0.22809543	2.6529251	21	—	—
167467 2003 YB_{27}	15.0	X	172.88072	212.50856	275.95307	8.26628	0.0702922	0.19838553	2.9115844	21	7 28.1	19.4
167468 2003 YR_{28}	15.1	X	83.94808	228.93068	79.57378	15.70778	0.0822941	0.21889987	2.7267106	21	12 6.9	19.0
167469 2003 YW_{33}	16.0	X	117.01026	185.43083	193.96745	8.13327	0.2369992	0.23747420	2.5826076	21	1 23.5	19.6
167470 2003 YK_{35}	16.0	X	63.93509	330.76344	25.20562	3.59793	0.1020776	0.22311736	2.6922402	21	—	—
167471 2003 YH_{40}	15.7	X	60.26176	112.64383	90.25875	1.22772	0.0500419	0.19164327	2.9794791	21	6 15.6	19.5
167472 2003 YU_{41}	16.4	X	31.93654	43.48811	324.51511	1.05952	0.2406297	0.21823613	2.7322364	21	—	—
167473 2003 YE_{42}	15.3	X	336.24826	289.76942	108.32117	15.88045	0.2827595	0.21467506	2.7623688	21	11 13.8	17.7
167474 2003 YM_{42}	15.4	X	8.10202	95.70780	272.83156	3.52457	0.1660146	0.21355589	2.7720114	21	11 22.6	18.4
167475 2003 YW_{44}	14.8	X	265.36849	77.32205	288.86499	10.66779	0.0069385	0.19376933	2.9576449	21	6 19.4	18.9
167476 2003 YB_{51}	16.1	X	340.19250	28.31983	41.64909	4.12795	0.1675778	0.21918005	2.7243864	21	12 28.5	18.9
167477 2003 YV_{51}	15.4	X	165.95421	356.38512	79.88996	3.06379	0.1425617	0.19184277	2.9774131	21	5 20.2	20.1
167478 2003 YH_{52}	15.3	X	182.92541	316.65791	117.80040	11.17024	0.0674926	0.19084653	2.9877657	21	6 4.1	19.9
167479 2003 YT_{53}	15.9	X	13.36281	110.60688	254.72750	3.83676	0.1269469	0.21808147	2.7335281	21	11 23.0	18.9
167480 2003 YZ_{54}	16.6	X	11.40828	198.84403	241.99149	3.02091	0.2025870	0.22687631	2.6624203	21	—	—
167481 2003 YF_{57}	15.5	X	61.32097	76.75414	264.23421	13.75724	0.1949957	0.22142590	2.7059334	21	—	—
167482 2003 YH_{57}	15.0	X	176.62213	128.14977	88.95038	13.71899	0.1038209	0.21499918	2.7595918	21	11 23.9	19.3
167483 2003 YR_{58}	15.9	X	349.77790	192.00168	238.51593	3.11995	0.1843795	0.22095313	2.7097919	21	—	—
167484 2003 YJ_{63}	15.2	X	341.90097	275.89113	113.41592	12.88974	0.1346225	0.21312447	2.7757510	21	11 7.5	18.5
167485 2003 YS_{63}	15.4	X	344.87514	272.24063	101.43420	13.73320	0.2336039	0.21332602	2.7740024	21	10 27.9	18.1
167486 2003 YT_{64}	15.6	X	253.12713	241.21905	271.31452	6.36453	0.1209953	0.21431808	2.7654354	21	11 24.2	19.2
167487 2003 YE_{65}	15.4	X	337.62643	142.79318	291.20980	7.27595	0.1253815	0.21658051	2.7461429	21	12 25.8	18.4
167488 2003 YN_{66}	15.0	X	318.20585	319.92140	116.59960	15.52414	0.2306804	0.21538362	2.7563071	21	11 24.4	17.7
167489 2003 YX_{70}	15.9	X	48.42846	16.49093	3.98267	1.85639	0.2164308	0.22632510	2.6667414	21	—	—
167490 2003 YU_{71}	15.8	X	106.81137	313.24613	59.28835	2.52086	0.1129606	0.23236842	2.6203018	21	—	—
167491 2003 YJ_{76}	15.4	X	336.04268	87.33424	288.62583	12.28603	0.1738248	0.21209649	2.7847127	21	9 23.6	18.5
167492 2003 YF_{80}	15.3	X	306.83412	183.81387	293.15413	11.20204	0.1156730	0.21822184	2.7323557	21	12 31.5	18.5
167493 2003 YJ_{83}	16.0	X	60.78905	277.52904	211.29415	3.64877	0.2159743	0.23681592	2.5873913	21	3 23.4	18.5
167494 2003 YO_{83}	16.0	X	269.67050	250.73090	279.48327	2.57074	0.1318981	0.22428848	2.6828603	21	—	—
167495 2003 YT_{83}	15.5	X	335.45309	12.71270	65.31619	8.71346	0.1106374	0.22167183	2.7039317	21	12 27.9	18.6
167496 2003 YE_{84}	15.2	X	33.08591	96.44930	262.34145	16.01153	0.1727318	0.21963301	2.7206394	21	12 20.3	18.7
167497 2003 YT_{84}	15.5	X	164.68437	172.87341	168.35180	3.49458	0.1551712	0.23784334	2.5799348	21	1 18.8	19.4
167498 2003 YV_{85}	15.4	X	87.68944	278.48959	99.19073	17.60687	0.2209848	0.23110912	2.6298117	21	—	—
167499 2003 YR_{87}	15.1	X	12.48178	281.39022	98.78593	10.10921	0.1764274	0.21526990	2.7572777	21	12 18.1	18.3
167500 2003 YX_{88}	15.0	X	19.95247	231.92210	104.15656	15.53939	0.2015243	0.21021742	2.8012825	21	11 10.4	18.5
167501 2003 YV_{89}	15.5	X	277.42158	155.19135	322.22651	4.14550	0.1158219	0.21297392	2.7770589	21	11 12.1	18.9
167502 2003 YQ_{90}	15.9	X	12.05712	271.78716	90.18198	15.91840	0.2502567	0.22003349	2.7173372	21	12 6.9	18.8
167503 2003 YF_{93}	15.7	X	125.81010	276.64497	349.60813	1.36695	0.0346828	0.21691986	2.7432781	21	11 27.1	19.6
167504 2003 YW_{94}	16.0	X	141.50884	225.88104	122.93419	2.24504	0.1826620	0.23592256	2.5939189	21	1 8.2	19.6
167505 2003 YM_{103}	14.3	X	357.76051	269.34008	296.99810	20.58352	0.1264009	0.17855839	3.1233157	21	3 7.3	18.5
167506 2003 YB_{105}	15.4	X	1.75685	156.32809	295.93596	7.55666	0.3477939	0.22235012	2.6984299	21	—	—
167507 2003 YY_{105}	16.1	X	354.42084	223.96075	223.08067	6.21403	0.2653871	0.22426591	2.6830404	21	—	—
167508 2003 YO_{107}	15.9	X	315.32938	20.76916	22.49836	6.37827	0.0682031	0.21174506	2.7877930	21	10 9.2	19.3
167509 2003 YS_{113}	15.4	X	181.96073	332.51680	109.67512	15.73014	0.0686922	0.24576748	2.5241768	21	6 11.4	19.2
167510 2003 YE_{114}	15.6	X	291.80326	264.89130	199.12094	13.90092	0.1733018	0.21754094	2.7380543	21	11 12.9	18.7
167511 2003 YW_{115}	14.8	X	118.02786	131.26668	323.90075	13.25357	0.0297228	0.18554685	3.0443902	21	4 3.9	19.4
167512 2003 YN_{122}	15.7	X	350.08176	57.53800	303.28707	4.48636	0.1324136	0.21352817	2.7722513	21	10 5.1	18.7
167513 2003 YX_{128}	15.0	X	169.72289	87.07879	339.88340	10.80882	0.0426501	0.18811888	3.0165773	21	5 3.7	19.6
167514 2003 YT_{131}	15.4	X	350.02305	90.85937	37.08581	10.29557	0.0139537	0.22738108	2.6584786	21	—	—
167515 2003 YL_{138}	15.3	X	264.55044	339.12869	336.06072	10.03929	0.0484309	0.18633202	3.0358319	21	4 4.2	19.8
167516 2003 YO_{138}	15.4	X	7.75601	305.27940	119.13762	10.65270	0.2463192	0.22008703	2.7168964	21	—	—
167517 2003 YH_{139}	15.5	X	64.64767	74.76706	320.35048	11.24329	0.1259226	0.22902731	2.6457240	21	—	—
167518 2003 YP_{139}	15.3	X	16.97775	69.81079	81.68126	2.65495	0.1127808	0.17692912	3.1424606	21	2 10.2	19.1
167519 2003 YD_{140}	14.9	X	49.38293	190.07388	310.14735	9.58646	0.0399182	0.18216543	3.0819487	21	3 7.8	19.1
167520 2003 YB_{142}	15.5	X	292.31064	72.67155	19.44794	8.33778	0.1772984	0.21378839	2.7700013	21	10 24.5	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
167521 2003 YC_{147}	15.7	X	275.11296	186.89606	310.86252	13.79645	0.1283833	0.21940928	2.7224885	21	12 5.4	19.3
167522 2003 YQ_{147}	15.6	X	156.13932	193.12798	26.96191	14.90823	0.0987075	0.21407185	2.7675555	21	11 2.5	19.8
167523 2003 YX_{147}	15.5	X	6.97187	283.84635	62.57470	8.17873	0.2219501	0.21205506	2.7850754	21	10 30.6	18.3
167524 2003 YZ_{147}	15.7	X	311.21585	106.63372	43.78123	13.88103	0.0910914	0.22492740	2.6777774	21	—	—
167525 2003 YJ_{148}	15.1	X	292.91174	331.07263	70.68870	17.64935	0.0543391	0.20447270	2.8535084	21	9 15.2	19.3
167526 2003 YF_{150}	15.7	X	251.80664	125.62297	46.52860	8.57822	0.0233114	0.21911812	2.7248997	21	—	—
167527 2003 YF_{151}	15.4	X	79.96621	329.38480	51.30990	14.19294	0.1906844	0.22581663	2.6707430	21	—	—
167528 2003 YO_{151}	15.2	X	107.77116	17.33291	38.29249	13.91007	0.1439044	0.23509186	2.6000258	21	2 23.4	18.8
167529 2003 YA_{153}	14.6	X	154.98232	17.81176	354.59779	17.67868	0.1520342	0.17902867	3.1178436	21	2 27.7	19.5
167530 2003 YV_{153}	15.1	X	211.93444	5.30698	13.07227	12.57195	0.0505491	0.18780397	3.0199485	21	4 22.9	19.7
167531 2003 YQ_{155}	15.6	X	81.13589	135.69905	14.15547	1.07999	0.1611331	0.18568557	3.0428738	21	5 22.3	19.7
167532 2003 YX_{155}	15.3	X	55.33166	358.09286	356.12371	13.96049	0.1998547	0.22061160	2.7125879	21	—	—
167533 2003 YB_{159}	16.0	X	333.65960	62.84169	25.84169	7.09968	0.1503929	0.22170202	2.7036862	21	—	—
167534 2003 YF_{161}	15.4	X	331.24582	218.97832	121.47301	9.18816	0.2440392	0.20991767	2.8039486	21	7 21.9	18.0
167535 2003 YO_{161}	15.0	X	220.27930	161.14037	64.03529	16.54216	0.1288778	0.22276084	2.6951120	21	—	—
167536 2003 YE_{169}	15.8	X	262.26033	77.36201	333.73227	6.34034	0.1587924	0.20360752	2.8615862	21	7 23.3	20.0
167537 2003 YX_{175}	15.8	X	331.50848	251.40004	220.45621	8.36381	0.1626127	0.22015257	2.7163572	21	—	—
167538 2004 AM_{1}	15.2	X	65.18395	51.07696	103.25780	1.82494	0.1532099	0.18299225	3.0726581	21	5 5.3	19.1
167539 2004 AJ_{2}	15.3	X	35.20986	80.37623	122.52644	6.16866	0.1620022	0.18482845	3.0522739	21	5 22.9	18.8
167540 2004 AJ_{4}	15.5	X	294.51828	359.13200	325.56794	3.32656	0.0555915	0.19212926	2.9744525	21	5 26.1	19.5
167541 2004 AP_{5}	15.2	X	58.43952	317.05655	174.61717	6.18220	0.1338345	0.17952049	3.1121464	21	3 23.9	19.0
167542 2004 AQ_{6}	15.9	X	258.53944	262.61988	106.73903	4.25058	0.0816310	0.19458597	2.9493640	21	6 4.4	20.2
167543 2004 AV_{10}	15.1	X	101.72761	257.11541	182.54436	21.20367	0.1969750	0.23797511	2.5789823	21	3 18.5	18.3
167544 2004 AH_{11}	15.2	X	99.76656	117.49553	335.56586	10.46925	0.1193069	0.18146550	3.0898685	21	3 26.1	19.7
167545 2004 AR_{12}	15.6	X	344.74761	212.63346	0.58275	2.13455	0.0775500	0.18092939	3.0959693	21	3 12.4	19.6
167546 2004 AG_{13}	15.6	X	71.22898	64.00460	93.81584	2.95118	0.0823104	0.18641298	3.0349529	21	5 8.2	19.5
167547 2004 AG_{16}	15.3	X	271.60798	23.23136	294.57393	8.60309	0.0841363	0.18773517	3.0206863	21	4 10.8	19.8
167548 2004 AR_{26}	14.9	X	207.60663	92.67065	272.16656	11.79766	0.1009210	0.18578435	3.0417951	21	3 28.4	19.9
167549 2004 BR_{1}	15.2	X	91.75990	184.11994	274.26376	4.44692	0.1223404	0.18093890	3.0958607	21	3 24.2	19.5
167550 2004 BK_{3}	15.9	X	89.73281	183.26377	293.49132	0.87749	0.1884551	0.18257056	3.0773877	21	4 25.2	20.2
167551 2004 BF_{9}	15.7	X	167.12409	55.38872	19.13610	9.34369	0.1041130	0.18952377	3.0016515	21	5 15.2	20.5
167552 2004 BU_{9}	15.2	X	162.79142	334.75044	126.33877	11.21801	0.0858450	0.19095447	2.9866397	21	6 15.4	19.8
167553 2004 BO_{13}	16.4	X	29.53740	66.07293	347.57905	3.11079	0.2534322	0.22325877	2.6911033	21	—	—
167554 2004 BJ_{16}	15.0	X	78.38734	42.89580	79.22330	5.25928	0.1565032	0.17960396	3.1111822	21	4 15.2	19.2
167555 2004 BL_{18}	14.7	X	241.00577	4.12306	28.26448	24.94122	0.0141911	0.19054810	2.9908845	21	6 16.4	19.4
167556 2004 BZ_{23}	15.4	X	176.82513	301.94434	111.80011	4.11225	0.1115510	0.18884316	3.0088593	21	5 3.5	20.1
167557 2004 BR_{32}	16.1	X	355.32423	356.11508	49.17103	2.88913	0.0379845	0.21350437	2.7724573	21	12 8.2	19.7
167558 2004 BX_{35}	15.6	X	135.35009	46.84459	325.64637	7.97994	0.0762814	0.17367691	3.1815688	21	1 29.5	20.2
167559 2004 BL_{37}	15.0	X	20.52620	60.51658	121.32771	10.41999	0.0345345	0.18040370	3.1019806	21	3 29.4	19.3
167560 2004 BR_{37}	14.9	X	204.88395	214.01563	125.95700	17.84468	0.0651786	0.17884929	3.1199280	21	3 6.8	19.8
167561 2004 BX_{39}	15.1	X	312.30203	9.66882	298.61480	10.07179	0.1136797	0.19242091	2.9714462	21	5 19.4	19.1
167562 2004 BY_{40}	16.6	X	0.70781	20.48118	35.03508	9.02876	0.1266365	0.21856130	2.7295258	21	—	—
167563 2004 BT_{41}	15.3	X	66.54298	28.55550	37.56831	14.48336	0.2756589	0.23010295	2.6374724	21	1 16.7	17.9
167564 2004 BY_{41}	15.0	X	162.09557	75.23663	341.38492	15.06008	0.0740685	0.18325428	3.0697285	21	4 12.3	19.9
167565 2004 BQ_{43}	15.6	X	127.03684	56.30572	57.78301	0.93741	0.1220906	0.18610682	3.0382804	21	5 26.3	20.0
167566 2004 BU_{45}	15.8	X	214.48491	218.53111	296.53537	3.28715	0.0104021	0.20994062	2.8037443	21	10 24.2	19.6
167567 2004 BA_{46}	15.3	X	45.48541	235.61897	283.95463	3.02430	0.1213272	0.18270945	3.0758280	21	4 4.6	19.2
167568 2004 BR_{48}	15.5	X	25.51209	64.61176	293.63237	3.40611	0.1338360	0.21312525	2.7757442	21	12 1.7	19.1
167569 2004 BG_{51}	15.0	X	351.87892	218.00111	295.61456	4.93476	0.0643491	0.17102934	3.2143190	21	1 11.1	19.3
167570 2004 BG_{52}	15.5	X	27.89817	9.42974	148.70682	1.77298	0.1303949	0.17658979	3.1464849	21	3 8.0	19.0
167571 2004 BQ_{52}	16.1	X	11.56989	335.67263	164.01311	1.81095	0.0741607	0.17353426	3.1833121	21	1 19.5	20.2
167572 2004 BD_{61}	15.4	X	65.58990	258.67936	133.76412	1.30055	0.1132241	0.16836719	3.2481126	21	—	—
167573 2004 BR_{61}	15.8	X	159.67690	9.85991	80.20272	1.92201	0.1254080	0.19231050	2.9725834	21	5 30.1	20.4
167574 2004 BW_{61}	15.6	X	255.19443	291.20142	59.69744	2.29044	0.0731062	0.19113763	2.9847314	21	5 8.7	19.8
167575 2004 BR_{62}	16.2	X	232.06512	22.10669	41.19910	2.39346	0.0766449	0.19808209	2.9145571	21	7 13.1	20.5
167576 2004 BQ_{69}	14.9	X	3.80763	130.76572	4.89305	4.86290	0.1284792	0.17183222	3.2042986	21	—	—
167577 2004 BK_{71}	15.5	X	158.80531	38.35989	71.60051	2.48146	0.1349490	0.19120211	2.9840603	21	6 23.4	20.3
167578 2004 BM_{72}	15.3	X	321.72435	338.46260	143.37917	16.89855	0.1949813	0.21909760	2.7250698	21	—	—
167579 2004 BF_{73}	14.2	X	335.28317	222.36983	138.10972	18.80626	0.0494801	0.14559924	3.5784639	21	9 8.7	19.1
167580 2004 BP_{76}	15.5	X	185.84965	261.58825	224.72098	9.78994	0.0871715	0.19745874	2.9206879	21	8 6.2	20.1
167581 2004 BV_{76}	15.5	X	100.43006	151.20825	264.96172	13.98471	0.2297486	0.23348237	2.6119608	21	2 13.4	19.1
167582 2004 BG_{82}	15.0	X	58.66611	219.24322	262.93588	9.50545	0.0434887	0.17695094	3.1422022	21	2 25.8	19.4
167583 2004 BY_{89}	14.9	X	249.71210	72.61672	273.96140	10.32553	0.0684093	0.18592668	3.0402425	21	4 24.3	19.6
167584 2004 BK_{90}	15.3	X	268.23745	354.03588	143.14671	7.98694	0.1464878	0.21238825	2.7821618	21	11 23.7	18.9
167585 2004 BY_{92}	15.5	X	118.28791	336.18280	185.35434	10.46738	0.1335766	0.19143525	2.9816371	21	7 15.0	20.2
167586 2004 BK_{94}	15.1	X	57.23795	322.18827	182.80207	17.38884	0.1382054	0.17937764	3.1137985	21	4 9.9	18.9
167587 2004 BF_{95}	15.5	X	94.16182	269.87503	232.96361	6.40052	0.2203752	0.18349213	3.0670752	21	6 7.5	19.9
167588 2004 BX_{100}	15.7	X	181.32883	153.94266	315.90154	0.87065	0.0550169	0.19514014	2.9437774	21	7 15.5	19.8
167589 2004 BQ_{104}	15.0	X	19.64498	273.57290	271.78569	8.94568	0.0550544	0.18098214	3.0953676	21	3 23.2	19.3
167590 2004 BR_{105}	15.2	X	175.10987	110.91783	324.70967	9.23168	0.1152708	0.19118581	2.9842299	21	5 25.1	20.1
167591 2004 BS_{105}	14.9	X	238.22816	240.26494	108.14444	9.74482	0.1293495	0.18799491	3.0179033	21	4 16.6	19.7
167592 2004 BR_{106}	15.2	X	72.53871	62.47739	118.56774	6.20189	0.0932111	0.18691247	3.0295435	21	6 10.8	19.3
167593 2004 BJ_{107}	15.0	X	83.38441	51.29114	101.23201	10.98027	0.0243386	0.18498964	3.0505005	21	5 12.4	19.4
167594 2004 BD_{111}	15.0	X	96.33160	302.15669	160.97102	9.10009	0.1513974	0.18039068	3.1021300	21	4 14.1	19.4
167595 2004 BC_{112}	15.6	X	334.35356	56.58479	336.54518	1.89032	0.0565094	0.20702904	2.8299703	21	10 22.8	19.3
167596 2004 BL_{116}	15.1	X	282.61012	265.81210	97.92251	11.52739	0.0924251	0.19654998	2.9296835	21	6 25.6	18.9
167597 2004 BT_{116}	14.0	X	340.11075	94.02683	98.40714	23.91253	0.1291001	0.16992158	3.2282737	21	2 6.7	18.4
167598 2004 BD_{117}	15.3	X	142.98496	141.79202	359.18435	10.45422	0.0592983	0.19279251	2.9676268	21	7 13.7	19.8
167599 2004 BU_{117}	15.6	X	92.53713	190.88770	220.58503	13.82195	0.1447700	0.23250555	2.6192714	21	1 16.5	19.0
167600 2004 BW_{120}	14.9	X	110.10444	36.39099	96.84350	17.83216	0.1597569	0.18593444	3.0401580	21	6 7.2	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
167601 2004 BJ_{124}	15.1	X	33.47290	166.73804	33.82005	6.90775	0.0894224	0.18344006	3.0676555	21	5 7.8	18.8
167602 2004 BW_{137}	16.5	X	15.19301	307.68083	16.69815	2.03215	0.0661626	0.20323427	2.8650888	21	9 23.6	19.9
167603 2004 BZ_{138}	16.2	X	223.51844	141.30390	313.66091	1.13457	0.0168855	0.19946304	2.9010893	21	8 18.9	20.2
167604 2004 BN_{146}	15.6	X	175.11801	64.91467	15.03205	1.36778	0.0560749	0.18940841	3.0028700	21	5 30.9	20.0
167605 2004 BA_{151}	16.0	X	81.80631	326.79729	197.18313	8.40464	0.1748424	0.18619506	3.0373204	21	6 13.1	20.3
167606 2004 BZ_{151}	15.1	X	174.22794	273.11707	121.67141	12.12133	0.0267834	0.18053270	3.1005029	21	4 8.7	19.8
167607 2004 BF_{157}	15.5	X	302.85225	121.69100	132.38071	1.65677	0.0131686	0.17959786	3.1112527	21	3 16.8	19.9
167608 2004 CB_{1}	15.0	X	293.71753	354.96444	92.80607	28.49544	0.1806074	0.21025900	2.8009132	21	11 5.7	18.9
167609 2004 CD_{1}	14.7	X	144.81542	13.75176	86.17001	23.39912	0.1107100	0.18656950	3.0332552	21	5 29.9	19.4
167610 2004 CS_{1}	15.0	X	123.87899	299.80943	146.51955	11.18138	0.0827360	0.18177576	3.0863517	21	4 17.9	19.6
167611 2004 CN_{7}	14.9	X	250.15522	221.55948	136.30440	11.56628	0.1375269	0.18895944	3.0076247	21	5 8.9	19.7
167612 2004 CF_{9}	16.0	X	164.98134	22.29088	86.00283	3.69603	0.0371316	0.19220290	2.9736928	21	6 23.9	20.4
167613 2004 CW_{9}	15.4	X	338.72874	312.89125	238.19735	1.86504	0.0653220	0.17485412	3.1672728	21	2 6.3	19.5
167614 2004 CJ_{12}	15.5	X	102.03836	320.93775	158.37435	6.56509	0.1213527	0.18244782	3.0787678	21	5 6.5	19.9
167615 2004 CK_{13}	15.2	X	50.93157	116.21922	346.19951	3.32687	0.0719499	0.17180320	3.2046595	21	1 30.9	19.3
167616 2004 CH_{15}	15.9	X	260.87081	281.17802	133.38822	0.97012	0.0925611	0.19801930	2.9151732	21	8 3.1	20.1
167617 2004 CJ_{21}	15.5	X	130.85935	43.67395	17.31778	1.72603	0.0483976	0.17863862	3.1223804	21	3 18.4	19.8
167618 2004 CV_{24}	15.5	X	143.99171	243.37854	238.42313	4.43803	0.0681507	0.18863215	3.0111028	21	6 18.6	19.9
167619 2004 CW_{34}	15.1	X	271.26414	31.41562	329.79881	10.68826	0.1433269	0.19461133	2.9491077	21	5 29.4	19.6
167620 2004 CM_{35}	15.1	X	258.69752	244.09324	153.72462	12.58044	0.0591273	0.19536502	2.9415180	21	7 13.4	19.4
167621 2004 CU_{35}	14.9	X	92.73333	119.57906	346.03208	11.82504	0.1212080	0.17842708	3.1248478	21	4 2.3	19.3
167622 2004 CA_{44}	15.2	X	241.58410	42.04974	337.58035	14.17705	0.2177573	0.19168723	2.9790235	21	5 10.7	20.4
167623 2004 CQ_{50}	15.1	X	148.19285	284.19676	224.95861	8.08228	0.1709983	0.19137371	2.9822762	21	7 30.8	20.1
167624 2004 CP_{51}	16.9	X	300.29885	74.73527	169.39526	26.42409	0.0740656	0.40154643	1.8196123	21	1 6.5	19.5
167625 2004 CJ_{57}	14.5	X	122.76591	269.12141	55.75371	10.76118	0.0369829	0.16168342	3.3370220	21	—	—
167626 2004 CX_{60}	14.9	X	172.46867	255.86136	116.18854	16.05941	0.0460637	0.17689444	3.1428713	21	3 11.3	19.7
167627 2004 CD_{71}	15.3	X	191.91193	69.28943	336.34376	14.61489	0.1136843	0.18673861	3.0314237	21	4 30.6	20.4
167628 2004 CS_{76}	15.2	X	101.43612	124.41560	320.41712	8.53986	0.0798743	0.17787867	3.1312672	21	3 13.5	19.7
167629 2004 CZ_{76}	15.5	X	130.72302	98.37621	342.47514	9.86781	0.1455369	0.18217863	3.0817999	21	4 17.8	20.3
167630 2004 CC_{79}	15.7	X	326.54985	171.72563	39.11474	0.77558	0.1382428	0.17166336	3.2063996	21	2 6.2	19.8
167631 2004 CE_{87}	15.1	X	239.52318	209.14180	170.16486	11.22324	0.1199337	0.18981573	2.9985727	21	5 24.1	19.9
167632 2004 CO_{94}	15.2	X	207.33682	105.85288	311.34137	9.48635	0.0937156	0.19042370	2.9921869	21	6 5.6	19.9
167633 2004 CA_{107}	14.6	X	330.50678	274.29102	299.56430	9.64771	0.0594108	0.17203632	3.2017638	21	2 21.9	19.1
167634 2004 CQ_{111}	15.3	X	147.69140	40.07732	21.43229	9.70678	0.1135516	0.17926287	3.1151274	21	4 12.8	20.1
167635 2004 CM_{113}	15.2	X	122.46894	257.29356	168.52351	10.27732	0.1102021	0.17931098	3.1145702	21	3 22.9	19.7
167636 2004 CX_{113}	15.2	X	47.99915	237.85448	247.62118	7.32663	0.0467954	0.17490795	3.1666229	21	2 17.7	19.6
167637 2004 CD_{114}	15.4	X	124.38635	254.97091	241.47447	8.83805	0.0599191	0.18825064	3.0151695	21	6 13.5	19.8
167638 2004 CX_{119}	15.7	X	286.35260	287.26826	90.65751	3.27464	0.0936562	0.19788636	2.9164787	21	7 19.7	19.5
167639 2004 CX_{126}	15.5	X	118.03126	89.22323	331.94346	11.64287	0.1154337	0.17775412	3.1327298	21	3 9.8	20.0
167640 2004 DU	15.2	X	23.01681	89.12354	62.96643	3.97495	0.1104317	0.17372056	3.1810358	21	2 22.3	19.1
167641 2004 DH_{4}	15.9	X	57.66980	43.43235	100.56726	13.47260	0.1211093	0.23275613	2.6173912	21	4 5.6	19.2
167642 2004 DK_{10}	15.4	X	251.07447	259.90233	172.43319	9.11628	0.0909017	0.19859460	2.9095406	21	8 12.7	19.7
167643 2004 DP_{14}	16.2	X	130.93185	113.79014	302.65004	3.93822	0.3319171	0.23792601	2.5793371	21	4 3.9	20.6
167644 2004 DW_{18}	15.3	X	254.41974	73.34697	311.85700	9.41024	0.0324895	0.19380419	2.9572902	21	6 26.8	19.5
167645 2004 DU_{29}	15.4	X	274.11679	248.34351	142.26895	10.38979	0.0867325	0.19618455	2.9333205	21	7 20.0	19.5
167646 2004 DS_{31}	15.3	X	167.76907	251.72553	181.19881	11.84504	0.1503699	0.18795343	3.0183473	21	5 19.9	20.3
167647 2004 DW_{37}	15.8	X	163.89288	36.84360	78.07520	1.57858	0.1767858	0.18965733	3.0002421	21	7 5.7	20.6
167648 2004 DG_{41}	14.7	X	61.99259	300.10847	183.98776	15.84515	0.1999136	0.17456628	3.1707535	21	3 29.4	18.4
167649 2004 DK_{43}	15.2	X	311.56346	29.53877	217.59168	4.62716	0.1443895	0.17224049	3.1992330	21	2 27.6	19.6
167650 2004 DE_{48}	15.0	X	106.79280	113.55611	351.77287	9.44611	0.0627952	0.17824835	3.1269363	21	4 11.9	19.5
167651 2004 DG_{49}	15.3	X	102.18134	304.26178	170.43735	10.53292	0.1384010	0.18042737	3.1017093	21	5 3.9	19.8
167652 2004 DK_{50}	15.5	X	67.05533	226.04230	154.90039	14.34497	0.2650648	0.22474371	2.6792363	21	—	—
167653 2004 DK_{57}	15.6	X	15.03103	74.72940	64.63669	2.87167	0.1488428	0.17244424	3.1967125	21	1 21.9	19.3
167654 2004 EU_{3}	15.0	X	258.03743	21.54497	47.80082	17.18625	0.0795522	0.19646937	2.9304849	21	8 30.3	19.5
167655 2004 ED_{4}	15.0	X	60.86712	136.57866	24.94438	17.58102	0.1605515	0.17932348	3.1144254	21	5 4.9	19.1
167656 2004 EC_{7}	15.3	X	117.64074	61.30822	5.65002	9.60496	0.2344380	0.17652132	3.1472985	21	4 1.4	20.2
167657 2004 EY_{12}	14.8	X	183.34863	59.91653	355.87222	11.20736	0.1524362	0.18429482	3.0581630	21	5 7.7	19.9
167658 2004 EA_{15}	15.1	X	204.94062	47.17860	42.29600	10.02471	0.0563132	0.19079698	2.9882830	21	7 18.4	19.6
167659 2004 EO_{18}	14.4	X	79.62256	90.10495	42.99325	26.51882	0.1759146	0.17704734	3.1410616	21	5 2.3	18.6
167660 2004 EQ_{18}	15.0	X	165.86366	294.45555	109.80204	12.59523	0.0995088	0.18025770	3.1036555	21	4 15.6	20.0
167661 2004 ED_{21}	15.2	X	198.57130	61.35743	359.25415	12.57790	0.1063264	0.18588836	3.0406604	21	5 29.2	20.2
167662 2004 EG_{36}	15.0	X	45.98440	297.28660	182.68121	18.87747	0.1456435	0.17125769	3.2114611	21	2 16.2	19.0
167663 2004 EO_{40}	15.5	X	53.14552	0.02182	154.00985	1.60807	0.1171655	0.17638983	3.1488625	21	4 12.2	19.4
167664 2004 EC_{59}	15.1	X	313.67547	210.68500	17.81448	6.27821	0.0871551	0.16966511	3.2315262	21	2 20.3	19.6
167665 2004 EL_{65}	14.3	X	338.22897	144.56909	58.89681	19.52692	0.0894787	0.17100708	3.2145979	21	3 1.9	18.9
167666 2004 EM_{70}	15.6	X	119.40039	109.72774	336.99401	3.93922	0.0577486	0.17670772	3.1450848	21	4 5.1	20.2
167667 2004 EK_{75}	15.6	X	26.99548	125.46106	82.04627	2.64290	0.1310239	0.17747634	3.1359978	21	5 11.2	19.2
167668 2004 EQ_{77}	15.0	X	352.54376	171.97399	36.90813	5.30847	0.1113293	0.17342331	3.1846698	21	3 18.5	18.9
167669 2004 EU_{84}	14.6	X	83.21866	85.71483	1.09645	21.65172	0.1240659	0.17353029	3.1833607	21	3 7.4	18.9
167670 2004 EM_{85}	15.0	X	161.09399	259.07695	164.77774	16.76339	0.1572997	0.18093640	3.0958893	21	5 5.4	20.2
167671 2004 FR_{4}	17.5	X	28.40739	108.12617	330.00995	24.42088	0.1479524	0.44631384	1.6958046	21	—	—
167672 2004 FM_{29}	16.1	X	340.99794	114.10978	72.92773	4.11381	0.1656323	0.22348556	2.6892824	21	1 12.0	19.4
167673 2004 FX_{32}	14.9	X	129.65936	149.82309	296.87350	14.67450	0.0920655	0.18149924	3.0894856	21	4 15.0	19.8
167674 2004 FO_{33}	14.9	X	130.45166	107.98231	329.85748	11.52296	0.2150894	0.17974069	3.1096041	21	4 19.5	20.1
167675 2004 FJ_{98}	15.2	X	111.71146	289.12981	166.06149	26.08711	0.2745773	0.17884069	3.1200280	21	5 9.0	20.6
167676 2004 FJ_{122}	14.6	X	118.10623	194.83206	292.28992	18.35375	0.1579762	0.18424584	3.0587050	21	6 6.2	19.4
167677 2004 FA_{144}	15.5	X	85.85326	213.46492	265.00951	11.63402	0.2270064	0.23617148	2.5920960	21	4 19.5	18.9
167678 2004 GC_{1}	15.0	X	66.60019	315.65318	189.72029	27.59517	0.2593846	0.17909540	3.1170691	21	5 13.9	19.3
167679 2004 GS_{9}	15.8	X	327.52411	81.55343	45.62364	24.89207	0.3280094	0.21701080	2.7425117	21	—	—
167680 2004 GY_{30}	15.8	X	23.06645	335.71438	188.03357	2.09105	0.0353748	0.16940436	3.2348414	21	3 7.0	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
167681 2004 GS_{32}	15.8	X	73.23435	135.16286	15.87977	10.49782	0.1747608	0.17693437	3.1423984	21	5 13.0	20.1
167682 2004 HC_{4}	14.8	X	33.41528	313.79045	204.40197	14.27484	0.1333988	0.17426410	3.1744179	21	3 14.9	18.8
167683 2004 HK_{20}	15.6	X	12.86348	308.23282	191.61941	0.76498	0.0600348	0.16788516	3.2543269	21	1 23.5	19.9
167684 2004 HY_{50}	15.4	X	107.60826	189.01286	285.86982	14.77224	0.2289279	0.23681961	2.5873645	21	5 13.5	19.4
167685 2004 JQ	14.6	X	98.04855	277.73938	219.75027	22.31317	0.2154279	0.17983004	3.1085740	21	6 3.8	19.4
167686 2004 JX_{23}	12.2	X	243.56054	286.91014	237.70294	28.09370	0.0302286	0.08435128	5.1492216	21	11 18.8	19.1
167687 2004 LX	17.4	X	218.13258	89.53323	216.59579	20.80970	0.1097205	0.38832403	1.8606865	21	—	—
167688 2004 LZ_{10}	14.5	X	138.32058	225.04533	248.24716	23.23419	0.2198967	0.17788403	3.1312043	21	6 12.9	19.8
167689 2004 OL	16.7	X	220.91755	187.60095	299.93790	17.61593	0.0636228	0.35540996	1.9738599	21	9 26.2	19.4
167690 2004 PT_{65}	16.9	X	171.82020	242.52646	342.90464	18.54604	0.0534531	0.36109693	1.9530807	21	12 31.2	19.5
167691 2004 QG_{9}	16.7	X	22.13599	302.85965	357.60401	19.17250	0.0459596	0.35189898	1.9869673	21	9 16.5	18.2
167692 2004 QG_{17}	17.1	X	200.34154	100.35066	223.20373	20.98272	0.0857214	0.38251990	1.8794612	21	—	—
167693 2004 QJ_{20}	16.7	X	337.33417	170.82584	188.34034	22.33597	0.0870637	0.35193899	1.9868167	21	10 3.7	17.7
167694 2004 QZ_{20}	16.6	X	333.92661	345.05111	2.84319	1.44564	0.1187175	0.28428588	2.2906875	21	8 27.8	18.4
167695 2004 RH_{137}	17.0	X	72.86029	184.49294	172.51415	23.16675	0.0753669	0.36770571	1.9296082	21	—	—
167696 2004 RF_{194}	16.8	X	359.68899	64.29083	319.94741	7.35273	0.1200251	0.29473300	2.2362321	21	12 15.3	19.1
167697 2004 RO_{255}	17.3	X	357.03623	347.61286	31.67152	21.47174	0.0848172	0.35416604	1.9784790	21	12 8.3	19.5
167698 2004 SR_{4}	17.0	X	64.29672	177.09323	177.11220	6.33639	0.2075100	0.30042966	2.2078735	21	—	—
167699 2004 SV_{49}	17.0	X	111.67526	319.18717	300.82677	4.48115	0.1404236	0.29798050	2.2199549	21	11 20.9	20.4
167700 2004 SQ_{57}	15.9	X	221.62308	146.86171	16.44910	24.65487	0.0930489	0.29229317	2.2486590	21	11 6.9	19.1
167701 2004 TM_{13}	16.4	X	113.67427	26.25208	275.52263	7.56283	0.2557523	0.30306051	2.1950773	21	—	—
167702 2004 TO_{34}	17.2	X	95.96418	315.39052	239.56114	0.99311	0.0997571	0.27910696	2.3189370	21	8 1.4	20.2
167703 2004 TJ_{38}	16.4	X	108.29994	336.01517	190.99245	5.48952	0.0805811	0.27621271	2.3351078	21	7 5.5	19.4
167704 2004 TE_{86}	17.1	X	125.48631	348.48643	192.80858	1.65435	0.0919836	0.28274192	2.2990191	21	8 18.4	20.1
167705 2004 TF_{132}	17.0	X	300.60777	256.94968	141.51248	2.93425	0.1471783	0.28573377	2.2829427	21	9 8.2	19.0
167706 2004 TS_{135}	17.0	X	44.17188	38.79525	323.47159	4.31593	0.1133671	0.29864242	2.2166734	21	—	—
167707 2004 TE_{148}	17.2	X	204.73005	186.53435	1.29480	7.26971	0.0846351	0.29626210	2.2285309	21	11 28.2	20.2
167708 2004 TL_{153}	17.5	X	83.56884	272.76773	18.90074	1.15620	0.1700307	0.29712052	2.2242364	21	12 6.3	20.6
167709 2004 TJ_{160}	17.3	X	183.20210	312.42540	317.68722	1.58508	0.0927032	0.30551047	2.1833263	21	—	—
167710 2004 TH_{171}	17.2	X	293.68352	274.15096	176.02369	3.53682	0.0802121	0.29487034	2.2355377	21	11 24.8	19.3
167711 2004 TT_{183}	17.4	X	195.05656	219.34670	320.21096	2.68695	0.0856859	0.29319180	2.2440619	21	11 5.2	20.3
167712 2004 TB_{205}	16.8	X	337.72148	336.57957	39.14533	4.64589	0.0426273	0.28676934	2.2774433	21	10 18.3	19.2
167713 2004 TX_{206}	17.4	X	85.36732	297.49168	45.81073	3.51472	0.0683943	0.30002203	2.2098729	21	—	—
167714 2004 TF_{208}	16.6	X	87.28644	316.30095	148.61052	1.94183	0.1379151	0.25816447	2.4427090	21	3 20.6	19.2
167715 2004 TY_{211}	16.7	X	344.19503	206.27980	356.01016	2.08768	0.1207530	0.26077863	2.4263571	21	2 4.2	19.5
167716 2004 TM_{213}	16.9	X	9.47285	216.66877	164.05008	1.44309	0.0151121	0.29387581	2.2405785	21	12 10.5	19.5
167717 2004 TM_{260}	17.0	X	203.49396	177.12462	39.04592	4.19549	0.0425918	0.30052190	2.2074217	21	—	—
167718 2004 TA_{274}	17.7	X	183.94983	338.36156	337.32551	1.03991	0.1904242	0.31468044	2.1407020	21	—	—
167719 2004 TO_{275}	17.5	X	260.35598	96.46518	30.53878	3.47664	0.0794745	0.29130791	2.2537264	21	11 21.9	20.1
167720 2004 TT_{323}	16.7	X	64.63377	143.62643	105.53043	1.56136	0.1792379	0.28100595	2.3084778	21	9 19.2	19.5
167721 2004 TY_{344}	16.2	X	352.01756	131.54602	222.83641	5.17330	0.1793970	0.28778472	2.2720832	21	10 20.3	17.9
167722 2004 TR_{351}	17.6	X	217.71491	21.48590	186.21256	4.53230	0.1003285	0.29806478	2.2195364	21	—	—
167723 2004 VE_{19}	17.3	X	108.99419	271.53436	101.97607	1.10713	0.1889403	0.30971531	2.1635201	21	—	—
167724 2004 VG_{28}	16.9	X	243.45213	236.21693	255.15365	3.15567	0.0469679	0.28920918	2.2646165	21	11 7.9	19.5
167725 2004 VT_{31}	17.3	X	120.45467	119.66378	146.28616	2.06085	0.0341874	0.29225255	2.2488674	21	12 4.5	20.0
167726 2004 VQ_{44}	16.4	X	112.49904	35.60939	208.79307	6.38546	0.0715879	0.28687607	2.2768784	21	10 27.9	19.3
167727 2004 VH_{79}	17.5	X	0.91506	154.84337	205.82376	4.86353	0.1355016	0.29024928	2.2592031	21	11 14.1	19.4
167728 2004 VD_{86}	17.5	X	181.34250	155.81062	88.89253	1.30156	0.0637026	0.29672908	2.2261921	21	—	—
167729 2004 VC_{91}	16.9	X	74.12183	58.18526	259.43830	4.68020	0.2023622	0.29699718	2.2248522	21	—	—
167730 2004 WU_{5}	17.1	X	109.71700	68.07905	184.55948	2.17173	0.1660627	0.28854173	2.2681075	21	11 11.3	20.6
167731 2004 XV_{1}	16.2	X	117.55770	118.41881	322.41657	5.72118	0.0953972	0.25878918	2.4387764	21	3 20.7	19.3
167732 2004 XW_{1}	16.3	X	330.46551	339.83889	30.13171	9.27666	0.1359562	0.28439376	2.2901083	21	9 28.3	18.2
167733 2004 XX_{12}	17.0	X	236.90473	40.50684	45.87800	3.56862	0.1345734	0.27795704	2.3253282	21	8 15.6	20.1
167734 2004 XR_{13}	16.9	X	295.25445	353.06817	79.57885	0.17741	0.1745330	0.28393049	2.2925986	21	10 17.1	18.7
167735 2004 XS_{13}	15.8	X	207.26311	173.76008	287.93847	10.61020	0.0711098	0.27244767	2.3565717	21	8 3.4	19.2
167736 2004 XB_{22}	16.9	X	88.00349	332.30296	67.47039	6.20132	0.1207199	0.30629967	2.1795744	21	—	—
167737 2004 XZ_{23}	16.5	X	265.47725	72.13940	35.62523	6.26671	0.1068088	0.28603869	2.2813199	21	10 28.4	18.9
167738 2004 XD_{25}	16.5	X	286.18022	331.08725	102.04037	7.69729	0.1761274	0.28226204	2.3016241	21	10 4.3	18.8
167739 2004 XL_{25}	17.1	X	283.77106	350.23666	69.77331	5.15725	0.1441210	0.27988553	2.3146345	21	9 13.5	19.5
167740 2004 XQ_{25}	16.7	X	222.60549	78.45558	35.87739	2.76216	0.1861759	0.27673639	2.3321610	21	8 31.3	20.2
167741 2004 XY_{29}	17.0	X	52.97806	345.85123	25.46471	0.80914	0.0935710	0.29748961	2.2223964	21	—	—
167742 2004 XL_{31}	16.4	X	186.04227	227.59763	268.86657	4.63661	0.1751913	0.27304594	2.3531281	21	8 21.7	20.2
167743 2004 XL_{32}	17.1	X	282.73550	259.60503	202.65981	0.70937	0.0358321	0.28880867	2.2667097	21	11 26.8	19.5
167744 2004 XM_{34}	16.0	X	69.72958	105.34799	1.00094	16.81623	0.0103369	0.24389352	2.5370900	21	2 16.9	19.5
167745 2004 XU_{34}	15.9	X	184.68501	345.01355	291.76347	13.64998	0.1837211	0.23704566	2.5857193	21	—	—
167746 2004 XQ_{35}	17.1	X	206.48631	121.69862	358.08461	2.22424	0.1654552	0.27656206	2.3331410	21	8 22.9	20.7
167747 2004 XF_{36}	15.8	X	18.07150	212.86336	256.80138	3.86661	0.0362735	0.24698231	2.5158929	21	—	—
167748 Markkelly	16.9	X	209.08448	298.73006	103.40430	2.47113	0.1833700	0.26531645	2.3986116	21	5 14.3	20.8
167749 2004 XW_{56}	16.1	X	40.31472	350.54822	65.07218	6.43610	0.1472831	0.29879996	2.2158942	21	—	—
167750 2004 XW_{61}	17.6	X	109.36447	169.40321	214.78137	2.75040	0.1403677	0.30936682	2.1651445	21	—	—
167751 2004 XZ_{67}	16.7	X	231.77165	257.51096	206.58574	1.73341	0.1683973	0.27691530	2.3311564	21	8 27.4	19.9
167752 2004 XP_{70}	16.3	X	10.27999	74.80198	35.79302	3.03000	0.0888402	0.24248745	2.5468881	21	—	—
167753 2004 XG_{75}	16.6	X	9.26700	284.55143	98.54619	7.47046	0.1117220	0.29028544	2.2590155	21	12 26.8	18.9
167754 2004 XL_{75}	16.0	X	59.23203	60.19533	93.47541	3.40263	0.1240398	0.25474884	2.4644948	21	4 13.0	18.6
167755 2004 XN_{75}	16.4	X	290.83353	133.93468	292.77568	5.87938	0.0882113	0.28126613	2.3070540	21	10 7.6	19.0
167756 2004 XM_{85}	16.7	X	328.42426	326.17877	102.03903	8.25488	0.1158610	0.28864768	2.2675524	21	12 22.6	18.5
167757 2004 XW_{99}	16.7	X	196.28301	39.47856	86.13155	3.37442	0.1269550	0.27365573	2.3496311	21	8 23.4	20.2
167758 2004 XT_{107}	16.2	X	196.37975	154.69116	63.23145	6.78019	0.0487310	0.29115762	2.2545019	21	—	—
167759 2004 XQ_{109}	17.0	X	30.87840	346.38953	58.61133	5.83007	0.1062489	0.29643194	2.2276795	21	—	—
167760 2004 XQ_{131}	16.3	X	16.16569	315.03902	30.63863	7.08533	0.1324258	0.28743779	2.2739110	21	11 15.2	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
167761 2004 XD_{132}	16.5	X	303.87999	91.02925	39.89646	6.74445	0.1274807	0.29351101	2.2424346	21	—	—
167762 2004 XX_{139}	16.7	X	144.54805	338.81949	130.78364	3.56938	0.0624772	0.26365580	2.4086729	21	5 31.9	19.9
167763 2004 XM_{141}	16.3	X	139.04411	0.48921	117.91369	3.63410	0.1256756	0.26344408	2.4099632	21	6 12.1	19.8
167764 2004 XS_{145}	17.0	X	178.77214	304.46139	40.53749	1.65834	0.1612384	0.31621177	2.1337852	21	1 26.6	19.8
167765 2004 XS_{176}	17.0	X	339.68264	30.01126	22.22915	3.85834	0.1354991	0.28917018	2.2648201	21	12 21.6	19.1
167766 2004 XS_{186}	17.0	X	322.30394	242.14787	136.57723	3.56324	0.1822214	0.28244945	2.3006059	21	9 18.9	18.5
167767 2004 YF_{19}	16.8	X	343.19571	54.91527	282.66757	1.83495	0.1709038	0.27554306	2.3388896	21	8 27.3	18.4
167768 2004 YL_{21}	17.4	X	296.77459	144.99824	291.85914	2.86065	0.2086491	0.28366628	2.2940220	21	10 20.0	19.2
167769 2004 YW_{22}	16.4	X	283.06982	270.67003	118.14327	8.11834	0.0975285	0.27227058	2.3575934	21	7 31.9	19.1
167770 2004 YM_{33}	16.3	X	146.61057	136.68098	1.27599	6.81506	0.0575861	0.26752477	2.3853936	21	7 13.7	19.6
167771 2005 AF_{1}	16.6	X	243.77143	121.23313	303.77699	6.45839	0.1025491	0.27256733	2.3558819	21	7 27.5	19.5
167772 2005 AM_{2}	16.1	X	297.04638	170.38952	41.13998	7.09984	0.1278425	0.24107176	2.5568494	21	—	—
167773 2005 AP_{7}	16.6	X	108.14423	121.17085	349.47236	2.65534	0.1649132	0.25626480	2.4547659	21	4 30.1	19.8
167774 2005 AH_{8}	17.1	X	202.57644	341.79730	89.51898	3.74876	0.1655025	0.26640456	2.3920758	21	6 15.1	20.6
167775 2005 AM_{11}	16.5	X	287.18680	172.44948	284.39737	6.55595	0.0428798	0.28301862	2.2975204	21	11 22.7	19.0
167776 2005 AR_{15}	16.1	X	318.08738	203.36994	313.57053	7.31897	0.0933876	0.23653684	2.5894261	21	—	—
167777 2005 AC_{16}	15.4	X	264.11172	102.96609	121.14507	15.84662	0.0816164	0.23888828	2.5724058	21	—	—
167778 2005 AG_{16}	15.1	X	154.32468	293.59516	303.16411	26.98332	0.0954111	0.22241977	2.6978665	21	11 20.5	19.8
167779 2005 AT_{16}	16.7	X	105.47483	230.09473	301.72973	0.37205	0.1119461	0.26519222	2.3993606	21	7 13.8	19.9
167780 2005 AN_{17}	16.5	X	82.22042	285.09372	230.82458	1.72881	0.1381809	0.25791490	2.4442845	21	5 24.4	19.4
167781 2005 AY_{18}	16.6	X	145.90715	113.08292	43.41167	3.89976	0.1326070	0.26881412	2.3777599	21	8 12.0	20.2
167782 2005 AF_{21}	15.7	X	145.60167	331.50595	330.96555	12.97302	0.2108512	0.23267790	2.6179778	21	—	—
167783 2005 AC_{22}	16.6	X	180.59430	278.45554	150.45511	6.68434	0.1316155	0.26116077	2.4239896	21	5 23.3	20.4
167784 2005 AE_{31}	16.8	X	118.98079	117.05513	250.28851	2.11373	0.1972847	0.30593167	2.1813219	21	—	—
167785 2005 AT_{31}	16.6	X	46.45441	222.60950	116.71177	12.19732	0.2691041	0.28895224	2.2659588	21	—	—
167786 2005 AO_{32}	15.9	X	217.15207	248.50609	108.15906	3.45556	0.2141323	0.25919569	2.4362258	21	3 26.1	20.1
167787 2005 AT_{33}	15.9	X	201.47247	339.62293	139.50211	4.71814	0.0471366	0.21341480	2.7732330	21	8 21.4	19.9
167788 2005 AL_{36}	16.6	X	214.04758	235.80278	185.11743	5.38013	0.2019220	0.26808249	2.3820841	21	6 11.1	20.5
167789 2005 AC_{39}	16.7	X	237.09127	44.89166	67.50965	3.43975	0.1266984	0.27736874	2.3286151	21	9 22.3	19.8
167790 2005 AU_{39}	16.9	X	181.31129	7.66815	30.93437	1.74043	0.1783949	0.25748985	2.4469737	21	4 14.8	20.9
167791 2005 AM_{41}	15.7	X	12.88528	46.31087	217.64107	1.49893	0.0204350	0.20599463	2.8394362	21	6 27.4	19.3
167792 2005 AK_{43}	16.7	X	99.92472	14.31058	158.88751	1.14840	0.1279936	0.26202396	2.4186631	21	7 10.6	19.9
167793 2005 AO_{45}	16.2	X	341.86134	225.11060	136.96015	6.34938	0.0570038	0.21662797	2.7457418	21	9 27.1	19.6
167794 2005 AM_{48}	15.6	X	225.53751	312.24281	136.55728	5.23014	0.0344798	0.21154994	2.7895070	21	8 12.2	19.5
167795 2005 AU_{53}	17.0	X	119.88444	269.16335	233.73202	1.72664	0.1300069	0.26074603	2.4265593	21	6 23.6	20.4
167796 2005 AP_{68}	16.0	X	110.28508	305.48014	164.20825	9.67924	0.1669248	0.25470308	2.4647900	21	5 5.8	19.5
167797 2005 AS_{72}	16.0	X	112.37236	310.06171	329.36463	3.65030	0.0762705	0.22286030	2.6943101	21	12 1.4	20.1
167798 2005 AF_{81}	16.0	X	141.09892	161.44309	57.97802	3.19961	0.1093614	0.21558488	2.7545914	21	10 20.9	20.3
167799 2005 AQ_{81}	16.2	X	1.87124	251.04582	164.78769	1.55732	0.0596847	0.23122371	2.6289428	21	—	—
167800 2005 BT_{5}	16.6	X	167.89038	354.63778	43.52473	2.83191	0.1719514	0.25754722	2.4466103	21	4 2.3	20.4
167801 2005 BG_{8}	16.7	X	213.46237	57.82886	21.55724	3.69873	0.1086030	0.26943992	2.3740767	21	7 10.9	20.1
167802 2005 BB_{9}	15.9	X	35.74795	207.90690	345.15801	6.25063	0.1249142	0.25447576	2.4662576	21	4 23.8	18.5
167803 2005 BH_{10}	16.5	X	156.47139	255.87225	295.58577	5.79598	0.0785741	0.27507849	2.3415223	21	10 3.4	19.8
167804 2005 BC_{11}	17.0	X	175.53905	314.32754	86.60160	2.56362	0.1917683	0.25758022	2.4464013	21	4 14.1	21.0
167805 2005 BK_{11}	16.6	X	163.90434	43.65619	62.28592	2.02170	0.1449704	0.26367422	2.4085607	21	6 22.8	20.3
167806 2005 BK_{18}	17.0	X	7.43789	327.67323	63.99693	5.57030	0.1666528	0.28927838	2.2642553	21	—	—
167807 2005 BD_{19}	16.3	X	35.58961	132.33988	328.92153	11.84368	0.0810398	0.24269458	2.5454388	21	—	—
167808 2005 BE_{21}	15.9	X	135.83465	217.08888	344.84645	3.79357	0.1381714	0.21252703	2.7809505	21	9 23.8	20.1
167809 2005 BK_{21}	16.4	X	201.91176	150.93165	359.63521	5.41981	0.0580952	0.27645377	2.3337502	21	10 6.3	19.4
167810 2005 BN_{21}	16.1	X	178.07780	13.23336	157.91613	2.73351	0.0129702	0.21695345	2.7429949	21	10 1.9	19.9
167811 2005 BX_{25}	16.5	X	136.53851	341.02118	164.03344	2.43173	0.1266099	0.26348274	2.4097275	21	7 14.9	20.1
167812 2005 CG	15.4	X	215.79441	336.43753	168.76512	10.00971	0.1057847	0.21518551	2.7579986	21	10 6.5	19.4
167813 2005 CP_{2}	16.2	X	75.53346	128.96556	101.35108	2.32366	0.1417368	0.26551799	2.3973977	21	8 31.3	19.2
167814 2005 CF_{5}	16.0	X	294.38399	328.93918	139.56020	2.39412	0.0187743	0.22256177	2.6967189	21	12 9.1	19.6
167815 2005 CQ_{5}	16.2	X	25.71515	53.43202	34.11639	3.51815	0.0998606	0.23714373	2.5850064	21	—	—
167816 2005 CW_{5}	15.5	X	232.01580	175.75940	335.29861	6.71116	0.1160128	0.21888246	2.7268552	21	10 26.8	19.5
167817 2005 CY_{5}	15.9	X	316.57416	184.72207	327.58792	7.04905	0.1325463	0.23309499	2.6148539	21	—	—
167818 2005 CH_{8}	16.0	X	195.06842	219.28119	21.25480	2.00288	0.1486548	0.22879633	2.6475044	21	—	—
167819 2005 CQ_{8}	17.2	X	311.85386	34.96130	65.37613	1.38089	0.1412262	0.28792567	2.2713416	21	—	—
167820 2005 CW_{8}	15.8	X	329.32507	340.00317	11.23769	4.74242	0.0114095	0.21138463	2.7909611	21	8 25.6	19.4
167821 2005 CS_{11}	17.0	X	126.14226	128.61239	84.54195	2.27364	0.1316315	0.27193228	2.3595483	21	10 4.9	20.4
167822 2005 CV_{11}	16.7	X	177.04084	126.06849	4.79327	4.86003	0.1707188	0.26848469	2.3797045	21	8 9.5	20.5
167823 2005 CK_{16}	16.6	X	316.99247	9.19340	134.38069	1.80577	0.1348970	0.23400819	2.6080465	21	—	—
167824 2005 CJ_{17}	16.8	X	309.88076	86.58883	281.46697	2.79627	0.1899322	0.27374423	2.3491247	21	7 29.9	18.9
167825 2005 CL_{18}	15.4	X	339.09662	264.09635	313.44487	8.25369	0.0649281	0.18897068	3.0075055	21	3 6.9	19.6
167826 2005 CV_{20}	17.1	X	186.77612	340.50429	200.27363	1.57166	0.1132808	0.27666948	2.3325370	21	10 25.0	20.2
167827 2005 CA_{27}	16.6	X	24.14262	79.90422	74.73940	1.48511	0.0605687	0.24474391	2.5312097	21	2 11.5	19.5
167828 2005 CC_{27}	16.0	X	115.20564	38.94045	45.45030	7.30518	0.1298514	0.25241389	2.4796700	21	4 2.4	19.3
167829 2005 CH_{27}	16.2	X	245.92648	110.10161	160.67823	2.48547	0.0598730	0.24395118	2.5366902	21	1 11.7	19.8
167830 2005 CA_{28}	16.1	X	96.23828	346.29169	212.65118	9.45980	0.2277024	0.26238123	2.4164670	21	8 19.7	19.9
167831 2005 CY_{42}	16.9	X	136.94900	272.57569	275.78661	2.37259	0.1065580	0.26986884	2.3715606	21	9 9.7	20.4
167832 2005 CJ_{43}	16.0	X	198.36993	235.37172	315.40138	5.04904	0.0835796	0.22114575	2.7082182	21	11 12.6	20.0
167833 2005 CB_{44}	15.2	X	249.61528	150.22126	128.82988	6.23031	0.1339261	0.18106124	3.0944661	21	1 31.7	20.1
167834 2005 CJ_{47}	15.8	X	178.55405	170.61577	327.09246	8.89023	0.0939610	0.20811849	2.8200854	21	8 17.2	20.0
167835 2005 CR_{47}	17.0	X	208.27536	142.17314	293.77247	1.34543	0.1570274	0.26625072	2.3929972	21	6 27.1	20.5
167836 2005 CT_{47}	16.4	X	235.05219	24.95641	173.85237	1.29484	0.0743465	0.22726550	2.6593799	21	—	—
167837 2005 CJ_{50}	16.0	X	235.80353	104.27767	330.25762	3.72396	0.1020067	0.26929857	2.3749074	21	7 31.4	19.2
167838 2005 CY_{51}	16.6	X	250.23459	262.84242	162.74123	2.94802	0.1508561	0.27113733	2.3641581	21	7 29.2	19.7
167839 2005 CN_{59}	16.3	X	195.68154	229.67324	228.19050	2.32288	0.1518007	0.26662282	2.3907702	21	7 13.4	20.1
167840 2005 CQ_{60}	16.8	X	279.77441	154.37408	228.80571	1.46503	0.2148706	0.27214929	2.3582938	21	6 28.3	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
167841 2005 CP_{63}	15.9	X	197.25606	46.60877	127.47837	4.07718	0.0308040	0.21777148	2.7361215	21	10 29.3	19.7
167842 2005 CV_{63}	15.4	X	256.64866	102.02928	173.33699	5.12129	0.1462785	0.18172176	3.0869630	21	1 31.9	20.3
167843 2005 CT_{64}	16.1	X	260.08408	159.58139	95.00876	3.86066	0.1363244	0.24003092	2.5642356	21	1 3.2	20.1
167844 2005 CC_{68}	15.4	X	169.61093	334.63805	153.84313	20.46596	0.0869093	0.20567817	2.8423480	21	7 25.5	19.9
167845 2005 CE_{68}	16.4	X	162.28355	287.48832	167.28898	4.20352	0.0684398	0.26134895	2.4228259	21	6 3.1	19.8
167846 2005 CH_{68}	16.7	X	252.16412	238.96907	162.42580	8.25607	0.2129200	0.27052876	2.3677023	21	6 21.2	20.4
167847 2005 CM_{74}	16.3	X	105.33372	300.20784	217.52938	9.46587	0.0909810	0.26209000	2.4182568	21	6 20.2	19.6
167848 2005 CR_{75}	16.2	X	289.00720	165.33276	323.41242	2.89252	0.0732488	0.22725389	2.6594704	21	12 24.0	19.3
167849 2005 CS_{75}	15.7	X	136.70175	36.01058	169.44559	8.29381	0.1546178	0.21233013	2.7826695	21	10 1.3	20.2
167850 2005 CC_{76}	16.1	X	116.06231	338.33925	333.98122	2.17049	0.0875271	0.22676831	2.6632655	21	—	—
167851 2005 CJ_{76}	16.0	X	194.32416	263.89993	280.26169	3.93478	0.0513209	0.21865501	2.7287458	21	11 2.7	19.8
167852 Maturana	15.1	X	304.11805	261.48754	335.29042	8.83004	0.0451437	0.18302270	3.0723174	21	2 20.1	19.3
167853 2005 DN	16.1	X	140.53846	148.55497	134.17351	4.24206	0.0446541	0.22610893	2.6684408	21	—	—
167854 2005 ES	15.3	X	350.44017	300.10556	8.22683	6.04567	0.0551957	0.20373377	2.8604039	21	7 27.3	18.9
167855 2005 ET	15.1	X	239.63183	60.27914	165.96982	5.50560	0.0756262	0.17275905	3.1928279	21	—	—
167856 2005 ED_{9}	16.4	X	194.79626	295.73967	322.90484	3.23767	0.2076619	0.22983628	2.6395121	21	—	—
167857 2005 EE_{10}	15.4	X	110.36178	263.68326	345.74231	6.88089	0.1780226	0.20978329	2.8051459	21	10 27.8	20.0
167858 2005 EN_{10}	16.7	X	207.83450	186.91560	312.89630	3.04640	0.1715092	0.27268537	2.3552020	21	9 17.3	20.2
167859 2005 EV_{12}	16.6	X	139.41055	94.90088	22.34344	3.59268	0.1678597	0.25936741	2.4351503	21	6 14.1	20.4
167860 2005 EG_{18}	16.7	X	1.73802	303.06337	145.01165	1.26231	0.1574631	0.23270038	2.6178092	21	—	—
167861 2005 EV_{19}	16.7	X	42.90801	102.03903	344.00139	3.03962	0.1595038	0.23902168	2.5714487	21	—	—
167862 2005 EB_{20}	17.3	X	143.25167	90.88557	12.36599	1.23903	0.1288031	0.25773851	2.4453996	21	5 27.3	20.7
167863 2005 EW_{21}	16.9	X	79.97033	95.47332	351.17290	3.38951	0.1432230	0.24472123	2.5313660	21	2 14.9	19.7
167864 2005 ED_{22}	15.6	X	234.06482	341.69620	323.86929	0.80660	0.0916353	0.18248738	3.0783228	21	2 18.8	20.3
167865 2005 EV_{22}	17.0	X	135.15280	307.65355	179.49816	5.57317	0.1658428	0.25944182	2.4346847	21	6 22.9	20.8
167866 2005 EX_{22}	17.0	X	109.18353	286.86664	182.37861	3.48426	0.1745511	0.25296808	2.4760471	21	5 3.0	20.3
167867 2005 EC_{23}	15.3	X	271.24052	312.85441	334.44781	5.81212	0.1275926	0.18410606	3.0602530	21	3 3.3	19.9
167868 2005 EE_{27}	17.1	X	60.20595	31.34236	87.23221	0.32516	0.1365821	0.24483635	2.5305725	21	2 24.2	19.8
167869 2005 EK_{27}	14.6	X	32.57974	274.23605	161.79587	10.61218	0.0633582	0.17135984	3.2101847	21	—	—
167870 2005 EP_{27}	15.9	X	44.16792	156.42618	162.53327	4.67337	0.0855965	0.21397531	2.7683879	21	11 2.1	19.5
167871 2005 ER_{27}	16.8	X	92.26308	19.09479	152.58099	1.65779	0.1258212	0.25787897	2.4445116	21	6 28.1	19.8
167872 2005 ED_{28}	14.6	X	300.13423	70.87462	156.77740	16.33134	0.1376052	0.17763190	3.1341666	21	1 22.2	19.3
167873 2005 EJ_{28}	15.2	X	318.15052	108.55847	159.30710	10.72445	0.0627595	0.18808809	3.0169065	21	4 17.5	19.3
167874 2005 ED_{29}	15.2	X	304.18068	227.60752	7.52545	15.24688	0.1164926	0.17912206	3.1167598	21	2 14.6	19.8
167875 Kromminga	16.6	X	320.87015	14.62393	26.68064	5.00260	0.1289977	0.27895915	2.3197560	21	10 23.9	18.3
167876 2005 EA_{33}	15.7	X	326.29419	134.34486	166.79191	2.09991	0.0103734	0.19919176	2.9037227	21	6 13.7	19.7
167877 2005 EH_{35}	16.2	X	344.05551	337.27953	194.32060	4.16449	0.1209014	0.23663436	2.5887146	21	—	—
167878 2005 EA_{36}	15.2	X	100.52950	153.53393	326.84010	10.21159	0.0913265	0.19049803	2.9914085	21	4 24.1	19.6
167879 2005 EJ_{36}	15.8	X	79.85583	129.31500	315.35331	14.54143	0.0801583	0.24261960	2.5459632	21	2 3.5	18.9
167880 2005 EW_{37}	17.3	X	166.35918	213.14080	277.43028	2.00938	0.1786092	0.26428708	2.4048358	21	7 28.1	21.1
167881 2005 ET_{39}	16.9	X	249.94837	175.67869	149.45317	2.60893	0.0932743	0.25414881	2.4683723	21	3 23.2	20.4
167882 2005 EG_{44}	17.2	X	188.09573	156.80796	288.12359	0.34224	0.2187275	0.26264425	2.4148535	21	6 18.8	21.2
167883 2005 EQ_{45}	15.0	X	322.11605	218.24471	359.18188	9.03485	0.0570231	0.18119374	3.0929573	21	2 19.8	19.2
167884 2005 ES_{45}	17.1	X	75.89668	82.62564	354.33420	8.41041	0.1950080	0.24188001	2.5511504	21	2 4.6	19.7
167885 2005 EA_{47}	15.8	X	289.58184	277.04268	175.58811	5.99815	0.0325087	0.21661546	2.7458475	21	11 11.3	19.5
167886 2005 EK_{48}	17.0	X	187.15715	254.50113	172.99636	3.33480	0.1963729	0.26067643	2.4269912	21	5 27.4	20.9
167887 2005 EP_{49}	15.4	X	64.39963	294.36060	232.85934	1.98386	0.0322439	0.19204035	2.9753705	21	5 2.9	19.4
167888 2005 EQ_{61}	15.6	X	313.76835	66.86355	134.80602	5.22218	0.1372914	0.17942371	3.1132655	21	1 7.9	19.9
167889 2005 EY_{64}	15.1	X	236.60558	125.96333	154.92650	11.83380	0.0423450	0.17828582	3.1264982	21	1 25.9	19.9
167890 2005 EO_{67}	15.0	X	336.64569	173.36020	29.93937	7.23630	0.1499386	0.17934904	3.1141296	21	2 10.7	19.0
167891 2005 ET_{68}	15.1	X	332.02368	261.44792	292.19812	4.33010	0.0954212	0.17860138	3.1228145	21	1 27.3	19.1
167892 2005 ED_{69}	14.9	X	11.29752	139.71296	24.92675	1.64530	0.1231088	0.17975770	3.1094080	21	2 16.4	18.4
167893 2005 EK_{69}	14.8	X	232.86957	339.27857	348.70505	15.29980	0.0561741	0.18396023	3.0618701	21	3 16.7	19.5
167894 2005 EU_{70}	15.9	X	230.27842	276.44507	176.06953	21.58422	0.2852689	0.26947361	2.3738788	21	7 27.9	20.2
167895 2005 EB_{73}	15.5	X	65.75295	209.02105	79.23415	4.67085	0.0657817	0.21247441	2.7814096	21	10 19.2	19.3
167896 2005 EO_{76}	15.9	X	51.30897	205.40006	178.88957	8.07279	0.0901976	0.22598545	2.6694127	21	—	—
167897 2005 EM_{77}	16.1	X	118.82960	240.90481	350.36832	8.94005	0.0532570	0.21176406	2.7876262	21	10 5.0	20.1
167898 2005 EP_{78}	15.2	X	330.25113	171.46365	114.38856	4.90939	0.1274295	0.19282905	2.9672518	21	5 18.7	18.8
167899 2005 ED_{79}	14.9	X	223.35886	165.21005	142.68557	12.20298	0.0669005	0.17923282	3.1154757	21	2 12.4	19.6
167900 2005 EO_{80}	16.3	X	173.24081	56.66753	260.77641	1.55537	0.0616042	0.23892875	2.5721153	21	—	—
167901 2005 EZ_{83}	16.0	X	338.13326	281.11053	193.83821	7.77555	0.1665335	0.23156429	2.6263645	21	—	—
167902 2005 ET_{89}	15.9	X	295.23162	313.60880	173.74995	3.37401	0.0386702	0.22579222	2.6709355	21	—	—
167903 2005 EU_{89}	16.6	X	257.01044	158.50279	95.14430	1.78941	0.1273246	0.23631533	2.5910440	21	—	—
167904 2005 EP_{91}	15.6	X	12.75909	65.23292	332.50038	12.02344	0.2710054	0.22410223	2.6843467	21	—	—
167905 2005 EZ_{95}	16.3	X	209.98505	281.36270	219.54285	8.23085	0.0501389	0.27592665	2.3367215	21	10 3.1	19.3
167906 2005 EG_{96}	15.6	X	164.43200	3.38679	175.13756	11.47183	0.0816042	0.21302947	2.7765761	21	9 23.2	19.6
167907 2005 EB_{97}	15.3	X	133.51673	89.75918	310.65230	9.97102	0.0303455	0.18461361	3.0546415	21	2 19.2	19.7
167908 2005 EJ_{97}	16.5	X	229.99296	287.32740	197.17124	6.10741	0.1415524	0.27582144	2.3373156	21	9 25.2	19.5
167909 2005 EP_{98}	15.9	X	66.73427	176.00540	121.97979	2.66185	0.0355786	0.21497164	2.7598275	21	10 27.9	19.6
167910 2005 EU_{99}	15.8	X	167.81517	35.18093	255.96039	4.76695	0.0776511	0.22973325	2.6403012	21	—	—
167911 2005 ES_{100}	15.1	X	285.41021	190.95113	65.68937	9.96274	0.0477210	0.18061824	3.0995238	21	2 26.1	19.7
167912 2005 ED_{101}	16.4	X	275.14303	12.76518	48.40515	6.19915	0.2211160	0.27208625	2.3586581	21	8 18.1	19.3
167913 2005 EH_{102}	14.7	X	57.65395	334.78725	155.33990	11.58142	0.1371400	0.18329319	3.0692941	21	3 22.1	18.4
167914 2005 EO_{102}	15.8	X	14.89802	28.23136	1.04563	5.32028	0.0261437	0.21712245	2.7415714	21	12 13.2	19.4
167915 2005 EG_{108}	16.0	X	96.49773	25.59331	264.72749	7.08492	0.1284917	0.21700465	2.7425635	21	12 1.8	20.3
167916 2005 ER_{108}	15.2	X	69.02781	322.02179	192.88049	10.29187	0.0515292	0.19133261	2.9827033	21	4 27.2	19.2
167917 2005 EB_{111}	16.7	X	2.60213	254.43608	152.98167	5.55970	0.0666661	0.22450955	2.6810989	21	12 26.4	20.1
167918 2005 EF_{112}	15.5	X	296.13177	143.91214	9.65955	16.94467	0.1501490	0.22803226	2.6534150	21	—	—
167919 2005 EB_{118}	15.9	X	280.16884	34.30245	203.72465	13.63116	0.1161936	0.23903927	2.5713225	21	1 3.2	20.0
167920 2005 ED_{118}	16.1	X	242.17490	9.80211	210.12806	12.76653	0.1038112	0.23003847	2.6379652	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
167921 2005 ET_{118}	15.7	X	328.17811	161.44406	322.38780	12.70413	0.1169217	0.22970455	2.6405212	21	—	—
167922 2005 EE_{120}	15.3	X	291.72994	60.18434	195.58822	9.21343	0.0587082	0.18264804	3.0765174	21	2 23.6	19.8
167923 2005 EO_{128}	15.6	X	207.61704	352.79022	186.50274	6.36124	0.0568664	0.21729462	2.7401231	21	11 13.8	19.5
167924 2005 EN_{131}	16.3	X	37.44078	127.38910	209.02827	2.02006	0.1841697	0.21931083	2.7233032	21	11 29.8	19.8
167925 2005 ED_{134}	17.0	X	315.95385	338.14784	179.69020	2.56474	0.1028332	0.23373292	2.6100939	21	—	—
167926 2005 EB_{142}	15.5	X	225.84461	81.53770	305.68691	8.33097	0.0422406	0.19651953	2.9299862	21	5 21.2	19.9
167927 2005 EG_{143}	16.1	X	304.14333	114.77177	64.09005	3.57230	0.1343227	0.23148277	2.6269810	21	—	—
167928 2005 EJ_{157}	15.5	X	175.19221	165.18661	179.29647	9.27824	0.1613487	0.17742866	3.1365596	21	2 9.1	20.7
167929 2005 EF_{160}	15.2	X	307.25755	85.92457	179.54187	9.81921	0.1068521	0.18284076	3.0743552	21	3 22.4	19.4
167930 2005 ET_{160}	15.4	X	328.35028	77.08992	180.66036	10.87372	0.0961321	0.18537233	3.0463007	21	4 13.2	19.4
167931 2005 ER_{168}	15.6	X	208.73387	101.95078	224.89868	1.95668	0.0395572	0.17843679	3.1247344	21	2 19.0	20.2
167932 2005 EH_{171}	15.6	X	347.20822	254.51217	192.46682	21.58930	0.0729818	0.22707378	2.6608765	21	—	—
167933 2005 EF_{172}	15.8	X	21.74165	133.79020	357.63179	12.25006	0.2479098	0.23963161	2.5670834	21	—	—
167934 2005 EK_{173}	16.1	X	58.69851	312.11347	90.91512	1.94919	0.0849310	0.23203375	2.6228207	21	—	—
167935 2005 EJ_{174}	15.6	X	208.91644	178.29779	196.35995	9.62139	0.1146747	0.18974353	2.9993333	21	4 16.2	20.2
167936 2005 EX_{176}	15.1	X	315.04393	186.65099	12.65089	9.10830	0.0456218	0.17428111	3.1742113	21	1 23.3	19.7
167937 2005 EA_{177}	15.0	X	229.24661	333.02601	16.42691	16.10741	0.1072608	0.18429010	3.0582152	21	4 6.1	19.5
167938 2005 EQ_{177}	16.2	X	30.95199	328.61792	181.74600	4.50443	0.1661604	0.24164683	2.5527913	21	2 13.8	18.7
167939 2005 EV_{178}	15.1	X	326.64217	200.74122	358.82459	11.75478	0.0779573	0.18081658	3.0972568	21	2 2.7	19.4
167940 2005 EJ_{184}	15.7	X	249.31405	312.08646	181.46629	9.61260	0.1030579	0.21545382	2.7557083	21	10 31.6	19.5
167941 2005 EP_{185}	16.2	X	243.69349	332.94478	298.48343	4.42650	0.0897778	0.23985284	2.5655046	21	1 9.9	19.9
167942 2005 EQ_{185}	16.6	X	335.03689	279.27461	197.81234	4.11161	0.0577703	0.23138312	2.6277352	21	—	—
167943 2005 EZ_{186}	14.5	X	331.09136	345.41430	187.50182	17.27948	0.1133281	0.17254441	3.1954752	21	—	—
167944 2005 EY_{189}	16.1	X	70.07899	81.77465	185.66814	4.02102	0.0619038	0.21283540	2.7782638	21	9 25.1	19.7
167945 2005 EC_{194}	16.0	X	104.55782	36.83820	337.08014	4.66566	0.2235590	0.23362710	2.6108820	21	1 1.3	19.1
167946 2005 EC_{202}	15.7	X	274.28332	94.87049	92.48786	13.18069	0.0982374	0.23161184	2.6260050	21	—	—
167947 2005 EC_{206}	15.7	X	258.68944	298.14172	192.00762	8.81950	0.0977566	0.21695550	2.7429777	21	11 8.9	19.4
167948 2005 ER_{210}	15.6	X	13.42579	40.44484	186.74423	9.97571	0.0493140	0.19086629	2.9875594	21	5 13.1	19.6
167949 2005 EX_{212}	16.0	X	20.31669	321.06185	142.90561	1.03968	0.0366826	0.23336577	2.6128308	21	—	—
167950 2005 EX_{218}	16.1	X	190.49066	203.11471	47.97626	3.49845	0.0613549	0.22618227	2.6678640	21	—	—
167951 2005 EK_{219}	14.6	X	42.28287	160.86603	7.39416	17.05837	0.1292537	0.18562611	3.0435236	21	4 9.7	18.3
167952 2005 EY_{219}	15.6	X	283.03157	2.51587	227.13113	13.10166	0.1265990	0.23612717	2.5924203	21	—	—
167953 2005 EC_{223}	15.1	X	261.27707	267.88066	134.77329	17.60139	0.0972972	0.20248649	2.8721383	21	7 18.2	19.2
167954 2005 EX_{223}	15.2	X	329.64903	213.13659	9.10403	16.74406	0.0346747	0.18019024	3.1044300	21	3 12.0	19.5
167955 2005 EZ_{240}	15.8	X	196.05684	77.97665	65.69124	5.25228	0.1240037	0.21161224	2.7889594	21	9 13.3	20.1
167956 2005 EV_{242}	15.0	X	178.96727	331.36469	107.59862	13.13840	0.0101436	0.19592641	2.9358964	21	6 4.4	19.3
167957 2005 EC_{245}	15.2	X	250.45890	163.73948	182.77797	9.44463	0.0810928	0.18680960	3.0306556	21	4 28.8	19.7
167958 2005 EX_{248}	15.6	X	74.48932	269.99801	43.77360	6.07865	0.0635037	0.21814203	2.7330221	21	11 28.9	19.4
167959 2005 EK_{249}	16.6	X	51.53248	271.69752	174.97680	5.38875	0.1409740	0.23832822	2.5764343	21	—	—
167960 Rudzikas	15.0	X	250.07061	215.98483	119.18888	9.76020	0.0816988	0.19008573	2.9957326	21	4 16.7	19.6
167961 2005 EM_{257}	16.0	X	119.83153	78.48627	209.99245	3.45463	0.0759106	0.21762322	2.7373640	21	12 20.1	20.1
167962 2005 EQ_{267}	15.6	X	50.95663	125.07926	358.74427	11.37771	0.0683459	0.17946358	3.1128044	21	2 26.6	19.6
167963 2005 EM_{268}	16.4	X	15.25858	214.67278	222.62168	3.70785	0.1793853	0.22883035	2.6472419	21	—	—
167964 2005 EU_{275}	15.3	X	319.74589	146.91604	104.49652	5.94639	0.1134457	0.18379066	3.0637531	21	3 23.3	19.4
167965 2005 EZ_{275}	16.1	X	230.52877	297.16580	217.53570	2.62563	0.0620307	0.21695701	2.7429650	21	11 8.4	19.9
167966 2005 EE_{277}	15.5	X	291.01907	207.90740	122.40701	7.26820	0.1215805	0.19728112	2.9224407	21	5 21.3	19.6
167967 2005 EX_{277}	15.6	X	275.58934	126.57025	176.48660	10.60249	0.0939023	0.18927594	3.0042710	21	4 1.2	19.9
167968 2005 EV_{278}	14.8	X	33.85067	306.59194	192.31585	11.88682	0.0703362	0.17793727	3.1305798	21	2 15.8	19.0
167969 2005 ED_{287}	15.9	X	354.85218	304.50320	142.06499	9.76663	0.1224207	0.22734386	2.6587687	21	—	—
167970 2005 EL_{291}	14.9	X	294.80041	89.76313	162.56495	10.84886	0.0249940	0.18033651	3.1027511	21	3 2.4	19.2
167971 Carlyhowett	15.3	X	142.25480	228.61728	160.29085	5.06364	0.0655202	0.17846846	3.1243648	21	2 22.3	19.9
167972 2005 FB_{1}	15.0	X	314.01935	195.12549	91.14382	11.86725	0.0539906	0.19228286	2.9728682	21	5 7.5	19.1
167973 2005 FB_{4}	14.7	X	16.07076	52.97081	129.26135	10.82945	0.0452874	0.18292921	3.0733641	21	3 22.7	18.9
167974 2005 FN_{10}	16.5	X	45.46375	257.05582	190.35375	4.45184	0.1465937	0.24053181	2.5606745	21	—	—
167975 2005 GY_{6}	16.3	X	353.78592	304.08576	167.47278	5.50431	0.2845839	0.23160736	2.6260389	21	—	—
167976 Ormsbymitchel	15.1	X	305.42025	142.77555	103.26247	5.90613	0.1004195	0.17966086	3.1105252	21	2 27.5	19.4
167977 2005 GC_{10}	15.6	X	11.49930	351.25734	97.75257	5.41116	0.0600300	0.22649185	2.6654324	21	—	—
167978 2005 GE_{10}	15.1	X	239.27831	323.92275	9.37195	10.27982	0.1678372	0.18561896	3.0436017	21	3 24.2	20.0
167979 2005 GH_{16}	16.6	X	349.02586	152.88380	315.07082	0.84731	0.0754954	0.23147982	2.6270033	21	—	—
167980 2005 GL_{16}	16.3	X	355.50343	202.91725	171.17025	6.12537	0.0571597	0.21629782	2.7485351	21	11 1.9	19.8
167981 2005 GU_{22}	14.8	X	321.74697	15.82828	181.85964	11.58967	0.1210451	0.17586637	3.1551077	21	1 14.5	19.4
167982 2005 GO_{29}	15.2	X	234.96083	269.81874	23.75810	10.79656	0.1433708	0.17539815	3.1607201	21	2 8.4	20.4
167983 2005 GT_{32}	15.3	X	349.16150	171.35878	29.85332	1.85353	0.1150675	0.17931786	3.1144905	21	2 28.8	19.1
167984 2005 GT_{37}	15.7	X	6.88634	192.58168	314.43374	6.48132	0.1345604	0.23601972	2.5932070	21	—	—
167985 2005 GK_{50}	15.8	X	178.29954	337.56857	149.22539	2.56034	0.1218616	0.19929975	2.9026737	21	8 1.9	20.4
167986 2005 GX_{66}	16.0	X	72.92152	112.92549	194.47435	1.40074	0.0739269	0.21094514	2.7948362	21	11 20.2	20.0
167987 2005 GQ_{69}	15.8	X	34.24675	264.96926	202.52446	12.69122	0.1258760	0.23508991	2.6000402	21	—	—
167988 2005 GQ_{76}	15.0	X	345.05733	302.24562	194.87539	9.22518	0.0519315	0.16925017	3.2368058	21	—	—
167989 2005 GZ_{85}	16.1	X	183.74048	21.41317	162.60405	4.39065	0.0397306	0.21195985	2.7859093	21	10 23.9	20.0
167990 2005 GW_{89}	15.6	X	117.28172	33.83726	44.30149	14.51576	0.1168083	0.24155271	2.5534544	21	3 30.9	19.2
167991 2005 GJ_{95}	15.9	X	4.69925	144.85425	122.13158	2.38857	0.1145522	0.19122015	2.9838726	21	6 21.0	19.4
167992 2005 GL_{95}	15.7	X	328.45783	119.33160	82.77349	2.48068	0.1255934	0.17582488	3.1556040	21	1 30.4	19.8
167993 2005 GS_{103}	15.7	X	169.88480	77.17549	18.49024	1.76157	0.0495469	0.19405390	2.9547526	21	6 13.7	20.1
167994 2005 GW_{109}	15.5	X	72.61360	198.20322	210.04609	12.39121	0.1682402	0.22877070	2.6477020	21	—	—
167995 2005 GO_{116}	16.2	X	15.85391	191.21493	241.43510	2.10577	0.0639902	0.22372065	2.6873981	21	—	—
167996 2005 GD_{120}	15.8	X	261.62044	59.94540	108.63810	4.64969	0.0849116	0.22371621	2.6874336	21	—	—
167997 2005 GV_{125}	15.9	X	237.72555	127.90595	232.44311	1.48446	0.1158404	0.18508010	3.0495065	21	4 27.0	20.4
167998 2005 GC_{126}	15.3	X	88.67664	266.06770	196.83183	8.92753	0.0493297	0.18123017	3.0925428	21	3 16.5	19.7
167999 2005 GD_{129}	15.0	X	292.50334	12.92356	260.53698	8.52249	0.0398053	0.18402393	3.0611635	21	3 18.6	19.4
168000 2005 GY_{131}	16.5	X	23.39810	203.44729	115.59326	2.66675	0.0704536	0.20428332	2.8552717	21	9 30.3	20.1