Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216001 2005 SZ_{286}	16.1	X	269.61601	246.12819	95.10177	8.73270	0.1471330	0.17880373	3.1204580	20	5 13.9	20.7
216002 2005 TL_{7}	14.4	X	321.67102	24.95964	221.01903	27.79371	0.1825042	0.17339116	3.1850634	20	3 9.5	19.0
216003 2005 TF_{76}	15.4	X	203.16501	302.19229	98.69501	10.30223	0.1395535	0.17729061	3.1381876	20	5 19.9	20.5
216004 2005 TK_{103}	16.2	X	42.61339	318.05436	6.65983	4.31607	0.1642894	0.20056729	2.8904313	20	11 22.8	20.2
216005 2005 TU_{130}	15.3	X	113.77430	213.94822	168.35073	3.99241	0.1030506	0.15445003	3.4404141	20	1 28.7	20.3
216006 2005 TL_{160}	16.0	X	262.10758	59.45183	260.16380	3.99402	0.0897921	0.17312727	3.1882992	20	4 12.2	20.6
216007 2005 TX_{160}	16.2	X	104.97448	106.64002	241.25422	5.52569	0.0606292	0.21525257	2.7574257	20	—	—
216008 2005 TS_{180}	15.4	X	246.98072	216.41571	121.52045	7.26349	0.1458060	0.17556323	3.1587384	20	4 16.7	20.3
216009 2005 UD_{34}	16.1	X	310.88468	162.33064	163.29902	0.55491	0.1955996	0.18182830	3.0857570	20	6 9.6	19.9
216010 2005 UY_{65}	15.6	X	324.81481	244.08250	90.70277	9.58893	0.1905579	0.18880379	3.0092775	20	7 20.2	18.8
216011 2005 US_{66}	15.2	X	256.69997	242.33411	122.61923	9.59412	0.2354885	0.18031460	3.1030024	20	5 19.2	20.2
216012 2005 UX_{80}	14.4	X	224.71693	297.74773	83.01060	27.76062	0.2650570	0.17326286	3.1866355	20	5 14.7	20.1
216013 2005 UL_{95}	15.8	X	342.95264	250.73381	117.55809	3.01301	0.1176927	0.19421402	2.9531284	20	10 14.8	19.2
216014 2005 UZ_{141}	14.9	X	269.13654	241.68790	99.09117	11.37568	0.1728692	0.17649769	3.1475795	20	5 10.8	19.7
216015 2005 UB_{162}	16.4	X	209.11864	191.29431	140.35375	5.87419	0.1634923	0.23389703	2.6088728	20	2 26.8	20.6
216016 2005 UD_{213}	16.6	X	259.02864	330.86563	271.37788	5.74670	0.0986755	0.27720377	2.3295389	20	—	—
216017 2005 UZ_{253}	15.2	X	33.03044	65.18016	245.26229	10.15415	0.0782644	0.19141225	2.9818759	20	10 6.3	19.4
216018 2005 UJ_{349}	15.3	X	187.55795	326.58888	0.97474	15.40126	0.2224005	0.22748001	2.6577077	20	2 10.3	20.1
216019 2005 UU_{383}	15.4	X	258.45781	276.57445	75.12108	11.05439	0.0805802	0.17776236	3.1326329	20	5 21.5	19.8
216020 2005 UD_{510}	17.2	X	217.51779	57.50697	252.16639	3.75823	0.0238392	0.29256935	2.2472436	20	1 31.6	20.1
216021 2005 UF_{510}	15.2	X	13.97643	186.04397	64.27753	18.88399	0.1732808	0.17566447	3.1575247	20	6 27.7	18.9
216022 2005 UY_{517}	15.8	X	249.87660	213.94026	106.20003	9.25514	0.0524906	0.16926598	3.2366043	20	4 9.7	20.6
216023 2005 VH	15.7	X	332.46171	84.91020	235.93866	2.76677	0.2094327	0.18617931	3.0374917	20	7 12.4	18.7
216024 2005 VX_{10}	15.5	X	123.45072	228.93754	68.19791	13.42161	0.2368542	0.20912733	2.8110087	20	—	—
216025 2005 VX_{56}	15.2	X	26.11941	128.57962	213.98470	11.38022	0.0700906	0.19427550	2.9525054	20	11 10.3	19.0
216026 2005 VJ_{87}	15.6	X	266.62889	250.31085	66.65960	5.03981	0.1469679	0.17130917	3.2108176	20	4 10.6	20.5
216027 2005 VS_{115}	15.3	X	331.46280	272.97211	31.81934	10.14242	0.2462684	0.18246768	3.0785443	20	6 10.9	18.5
216028 2005 WB_{59}	15.9	X	31.83379	296.57983	320.00917	1.34642	0.1342227	0.17706919	3.1408031	20	8 4.1	19.8
216029 2005 XW_{64}	15.8	X	227.09784	213.69187	142.53915	5.80322	0.2163078	0.23588649	2.5941834	20	4 11.5	20.1
216030 2005 XR_{79}	15.4	X	133.24271	39.53598	160.61608	4.93695	0.0620884	0.16957645	3.2326525	20	9 18.5	20.1
216031 2005 YA_{128}	17.3	X	151.22088	99.00932	328.67655	2.11533	0.1696526	0.29705253	2.2245758	20	4 29.1	20.7
216032 2005 YY_{194}	16.5	X	94.84679	211.12422	128.20576	7.17767	0.1266265	0.26997112	2.3709615	20	—	—
216033 2006 AW_{67}	16.7	X	20.44702	248.11567	108.71954	3.71549	0.1863857	0.26123128	2.4235534	20	12 24.6	19.7
216034 2006 BN_{143}	12.5	X	285.03614	152.09668	155.17978	24.96734	0.0789979	0.08315756	5.1983825	20	5 6.7	19.6
216035 2006 BA_{168}	17.4	X	97.28894	294.22815	136.72029	4.39649	0.1591259	0.28313842	2.2968723	20	3 1.9	20.0
216036 2006 DY_{9}	16.6	X	307.25196	32.89587	30.91111	6.42876	0.2017111	0.25218073	2.4811982	20	11 6.3	18.6
216037 2006 DU_{12}	15.4	X	131.84464	144.74017	161.08800	12.61915	0.0867823	0.18960788	3.0007636	20	—	—
216038 2006 DH_{59}	17.7	X	41.58402	108.37531	185.19350	3.02199	0.1925159	0.30373845	2.1918098	20	11 8.5	20.2
216039 2006 EG_{16}	16.3	X	310.70672	270.88754	36.21362	2.85997	0.0606372	0.22169617	2.7037337	20	6 3.2	19.6
216040 2006 HE_{1}	15.1	X	280.16548	124.40375	32.83954	10.92556	0.0929323	0.18527474	3.0473704	20	—	—
216041 2006 HO_{9}	17.2	X	72.24478	41.22659	240.43105	2.81906	0.1330960	0.30616351	2.1802206	20	11 20.4	20.0
216042 2006 JC_{19}	17.5	X	198.22296	247.75526	183.11437	4.54028	0.1322785	0.28910707	2.2651497	20	6 20.9	20.8
216043 2006 JP_{33}	16.0	X	51.76644	290.47167	48.57085	1.31988	0.1349789	0.17057629	3.2200079	20	12 11.2	20.5
216044 2006 JV_{35}	18.0	X	150.36357	12.90812	202.07140	5.09422	0.0807607	0.30670582	2.1776498	20	11 17.0	20.7
216045 2006 KZ_{55}	17.4	X	106.52400	154.88894	109.99748	2.83472	0.1495069	0.30034880	2.2082697	20	12 4.2	20.7
216046 2006 LK_{1}	17.5	X	33.38379	282.54169	33.38484	0.82097	0.2043114	0.29286181	2.2457473	20	11 27.2	20.0
216047 2006 OJ_{2}	16.6	X	260.09299	190.40562	150.49519	5.74327	0.1899227	0.26655145	2.3911969	20	4 24.3	20.1
216048 2006 OQ_{10}	17.3	X	76.45844	212.10871	110.40790	5.38799	0.1831292	0.30155074	2.2023979	20	—	—
216049 2006 OS_{13}	17.5	X	60.31482	189.00941	141.95983	6.64178	0.2320335	0.29968654	2.2115218	20	—	—
216050 2006 OA_{15}	17.1	X	78.87542	204.90488	92.37297	7.10572	0.1751588	0.29905363	2.2146410	20	12 19.6	20.3
216051 2006 OR_{17}	16.0	X	63.36513	256.01288	69.40640	14.84866	0.1770563	0.23000418	2.6382274	20	12 24.9	20.1
216052 2006 OL_{20}	16.8	X	1.37495	242.11036	96.34139	7.98577	0.1691072	0.28935767	2.2638417	20	11 7.1	19.0
216053 2006 PD_{10}	16.7	X	213.33379	241.93763	140.76542	5.45681	0.1923764	0.26464229	2.4026834	20	5 2.6	20.6
216054 2006 PB_{13}	16.8	X	25.32627	355.93131	270.16201	3.55078	0.1208371	0.28243967	2.3006590	20	8 16.0	19.1
216055 2006 PB_{20}	16.8	X	303.29230	203.99476	146.90512	6.76603	0.1354502	0.27927525	2.3180053	20	7 17.2	19.1
216056 2006 PM_{21}	17.3	X	16.69647	190.75432	133.76846	5.70522	0.1551187	0.28940810	2.2635787	20	11 9.3	19.7
216057 2006 PU_{26}	17.2	X	333.34421	265.88359	62.04334	3.61701	0.2435007	0.28039719	2.3118178	20	8 10.1	18.2
216058 2006 PT_{35}	17.0	X	344.81303	277.36912	69.86606	7.10308	0.2338190	0.28669703	2.2778262	20	10 25.7	18.4
216059 2006 PR_{41}	16.5	X	152.66816	154.69313	247.27985	5.46009	0.1082340	0.25829161	2.4419073	20	3 23.4	20.0
216060 2006 QN_{2}	16.6	X	278.06557	181.38455	158.54519	3.92421	0.0706025	0.27099926	2.3649610	20	6 1.1	19.4
216061 2006 QU_{6}	15.8	X	75.90281	288.83235	335.88716	8.16915	0.1693271	0.21906552	2.7253358	20	10 19.2	19.9
216062 2006 QJ_{7}	16.8	X	56.97105	125.63945	155.40635	22.57305	0.1763573	0.29017894	2.2595682	20	11 10.7	20.4
216063 2006 QZ_{8}	17.4	X	241.17104	174.63281	158.31184	1.62433	0.2170524	0.26222531	2.4174248	20	3 22.7	21.1
216064 2006 QP_{10}	16.8	X	196.39653	259.92436	115.68194	6.98820	0.1480866	0.25641112	2.4538319	20	4 10.7	20.8
216065 2006 QM_{13}	17.0	X	290.43587	42.51356	250.03742	3.44677	0.0559743	0.26607220	2.3940675	20	4 12.5	19.9
216066 2006 QO_{13}	16.6	X	315.84505	241.40986	104.79632	7.88871	0.1490016	0.27948161	2.3168641	20	8 4.5	18.5
216067 2006 QP_{13}	16.9	X	1.95888	228.88620	81.53877	7.30052	0.1314508	0.28322419	2.2964086	20	9 19.5	19.1
216068 2006 QO_{14}	16.7	X	287.16567	229.43032	55.15979	2.76448	0.0391269	0.26471026	2.4022721	20	4 2.1	19.5
216069 2006 QZ_{14}	15.4	X	53.74686	67.64704	306.50637	11.21533	0.2238283	0.16129837	3.3423306	20	—	—
216070 2006 QO_{20}	17.6	X	0.04944	113.02394	223.67282	1.04800	0.2343582	0.28645141	2.2791281	20	11 9.0	19.3
216071 2006 QE_{25}	17.2	X	311.87870	242.22870	109.64912	2.99948	0.2209943	0.27888154	2.3201864	20	7 24.0	18.8
216072 2006 QL_{29}	16.4	X	216.10066	267.36013	71.08845	3.54622	0.1986786	0.25904838	2.4371493	20	3 10.6	20.5
216073 2006 QD_{33}	16.2	X	335.05967	136.07531	211.70950	19.23386	0.2507065	0.28287384	2.2983043	20	9 18.2	17.6
216074 2006 QE_{36}	16.7	X	327.24731	248.96298	47.80432	5.27006	0.1206789	0.27258498	2.3557802	20	6 8.6	19.0
216075 2006 QO_{44}	16.9	X	229.95045	207.82309	167.74277	6.13957	0.0933856	0.26833540	2.3805871	20	5 16.5	20.2
216076 2006 QV_{46}	16.7	X	75.71955	286.33212	134.90226	15.07500	0.2103753	0.24357848	2.5392772	20	1 27.8	19.3
216077 2006 QG_{53}	17.0	X	288.35110	187.95064	136.78621	6.35718	0.1067665	0.26951519	2.3736347	20	5 20.4	20.0
216078 2006 QE_{54}	17.0	X	29.82025	227.31229	90.20940	5.75848	0.2019401	0.29029410	2.2589706	20	11 24.9	19.7
216079 2006 QY_{57}	16.1	X	340.24396	337.88378	50.36679	9.48301	0.1125689	0.21508880	2.7588252	20	11 9.9	19.1
216080 2006 QK_{60}	17.1	X	297.32067	224.62916	141.39427	7.44259	0.2210143	0.27905809	2.3192077	20	7 14.8	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216081 2006 QM_{78}	17.5	X	357.10701	272.03144	42.64600	1.89984	0.2324402	0.28186887	2.3037639	20	9 26.2	19.0
216082 2006 QS_{78}	16.8	X	241.06593	317.18441	38.26990	3.32336	0.2385818	0.26532795	2.3985423	20	4 18.0	20.7
216083 2006 QZ_{85}	15.5	X	136.52403	235.69009	157.82299	11.59858	0.0854011	0.18067963	3.0988217	20	3 2.5	19.9
216084 2006 QA_{96}	15.5	X	122.42137	37.48414	15.07232	16.32488	0.1848655	0.17904040	3.1177074	20	3 23.6	20.3
216085 2006 QT_{107}	16.6	X	283.94696	347.34083	306.45258	4.91918	0.0839131	0.26336941	2.4104187	20	3 30.6	19.9
216086 2006 QN_{130}	17.0	X	78.82140	143.78450	92.80096	7.04598	0.0889650	0.28621716	2.2803715	20	9 23.3	20.0
216087 2006 QE_{135}	17.6	X	7.10174	63.95658	323.69447	2.14807	0.1757240	0.29440264	2.2379047	20	—	—
216088 2006 QL_{135}	17.2	X	42.39059	343.15508	297.02626	8.12111	0.2274975	0.28668602	2.2778845	20	10 18.9	20.2
216089 2006 QH_{136}	16.0	X	245.23037	118.46352	226.87352	7.38948	0.2800033	0.26370182	2.4083927	20	4 3.9	20.1
216090 2006 QK_{136}	16.7	X	225.31767	156.95320	211.93998	8.77548	0.2323969	0.26289434	2.4133217	20	4 21.5	20.5
216091 2006 QZ_{159}	16.7	X	104.01515	183.50255	159.57594	2.80879	0.0999826	0.23519341	2.5992773	20	—	—
216092 2006 QU_{161}	17.4	X	358.47521	298.15185	333.43944	1.02127	0.1732422	0.27431145	2.3458852	20	7 5.2	19.0
216093 2006 QZ_{166}	16.6	X	90.73507	216.00319	203.39164	3.48811	0.2336679	0.24502072	2.5293029	20	2 20.8	19.7
216094 2006 QK_{168}	16.6	X	297.13273	216.38838	102.12021	5.05828	0.0970219	0.27004372	2.3705366	20	5 25.3	19.3
216095 2006 RW_{5}	16.3	X	320.05082	185.23014	221.89019	4.34486	0.0412640	0.21324178	2.7747329	20	11 1.8	19.8
216096 2006 RT_{13}	16.2	X	252.27243	303.94900	195.08141	12.60870	0.2010745	0.22588897	2.6701728	20	11 8.1	19.7
216097 2006 RU_{16}	16.3	X	46.26750	331.89461	34.60688	3.60216	0.1210089	0.22699210	2.6615148	20	—	—
216098 2006 RT_{18}	15.5	X	19.86904	180.84526	223.96180	13.63077	0.2439948	0.22490934	2.6779207	20	—	—
216099 2006 RS_{20}	17.5	X	314.30147	270.86331	138.13744	0.71954	0.1604824	0.28638506	2.2794801	20	11 14.6	19.2
216100 2006 RA_{23}	16.8	X	314.33628	242.28421	104.09148	7.11446	0.2498040	0.27734461	2.3287502	20	7 14.9	18.3
216101 2006 RJ_{23}	16.6	X	262.38005	257.01411	195.23436	5.28005	0.1244194	0.28427988	2.2907198	20	10 13.2	19.0
216102 2006 RS_{24}	17.6	X	322.00442	48.47224	271.72972	3.49917	0.0990763	0.27665792	2.3326020	20	7 9.1	20.0
216103 2006 RE_{34}	16.5	X	235.83744	290.71237	78.43689	3.41544	0.2283325	0.26441888	2.4040366	20	5 2.1	20.2
216104 2006 RA_{44}	17.7	X	316.53851	132.22413	173.44170	5.20919	0.2428465	0.27116032	2.3640244	20	5 14.3	19.8
216105 2006 RX_{44}	15.6	X	91.71500	295.45427	175.38385	5.29907	0.0939580	0.17938524	3.1137106	20	4 15.9	19.9
216106 2006 RN_{46}	16.6	X	58.44529	269.52635	33.67204	3.61204	0.0597634	0.21563000	2.7542071	20	11 4.5	20.4
216107 2006 RZ_{47}	16.4	X	77.31250	176.96545	183.90930	7.04913	0.1032171	0.22998224	2.6383952	20	—	—
216108 2006 RL_{69}	18.0	X	341.55119	319.72890	326.91068	0.90765	0.2060776	0.27361171	2.3498831	20	6 15.8	19.5
216109 2006 RJ_{75}	17.2	X	295.62348	239.05469	25.79226	2.77562	0.1537836	0.25862687	2.4397966	20	2 29.7	20.5
216110 2006 RA_{85}	16.9	X	288.22076	88.78598	193.80851	3.00242	0.1742018	0.26053746	2.4278542	20	3 10.0	20.3
216111 2006 RU_{87}	16.6	X	159.86025	203.64676	36.62865	2.45830	0.0862271	0.22401248	2.6850636	20	12 11.9	20.6
216112 2006 RP_{90}	16.4	X	123.37147	210.49768	15.91434	4.44981	0.0140003	0.21149062	2.7900285	20	10 11.9	20.2
216113 2006 RB_{91}	16.8	X	296.89906	259.29429	205.17969	1.60396	0.0529072	0.22062295	2.7124948	20	12 14.7	20.2
216114 2006 SF_{14}	17.4	X	290.25067	94.12925	225.47416	4.95884	0.2041615	0.26892918	2.3770816	20	4 27.2	20.4
216115 2006 SU_{19}	18.8	X	337.07658	10.54557	152.24873	2.09149	0.5863016	0.52242896	1.5268084	20	—	—
216116 2006 SE_{28}	16.7	X	12.43560	274.05190	281.60448	4.52949	0.1783217	0.26532813	2.3985412	20	3 27.3	18.7
216117 2006 SJ_{36}	16.9	X	262.61692	246.46060	80.29393	7.10695	0.1358562	0.26359586	2.4090380	20	4 16.1	20.3
216118 2006 SV_{38}	16.2	X	344.59685	155.66642	241.96580	2.91478	0.1257261	0.21773129	2.7364582	20	12 1.5	19.2
216119 2006 SM_{42}	16.4	X	46.61676	5.27758	26.25734	3.97661	0.1005101	0.22749103	2.6576219	20	—	—
216120 2006 SP_{46}	17.7	X	298.11134	83.61190	213.64612	4.26726	0.1434555	0.26677339	2.3898705	20	4 16.9	20.5
216121 2006 ST_{56}	16.7	X	343.78854	271.22615	63.80133	7.68052	0.2546935	0.28228160	2.3015178	20	10 3.9	18.0
216122 2006 SJ_{62}	16.9	X	316.47189	148.99887	167.37851	6.18264	0.1262412	0.27209098	2.3586307	20	6 19.1	19.4
216123 2006 SN_{68}	16.3	X	295.39887	279.81552	122.74459	1.17220	0.0723342	0.20982557	2.8047691	20	9 18.4	19.6
216124 2006 SW_{69}	16.3	X	32.81427	199.66031	193.39321	15.92757	0.1129278	0.22501533	2.6770798	20	—	—
216125 2006 SN_{71}	17.6	X	310.48394	118.33118	155.98179	2.23514	0.2260550	0.26234762	2.4166734	20	3 21.1	20.5
216126 2006 SD_{89}	16.1	X	63.11532	94.30801	48.39745	2.21757	0.1155382	0.17957177	3.1115540	20	4 20.6	20.2
216127 2006 SA_{92}	16.3	X	328.76899	222.05231	217.95186	2.03076	0.0463933	0.22058752	2.7127853	20	12 28.4	19.6
216128 2006 SZ_{92}	16.9	X	293.89829	17.53111	259.61920	0.48001	0.1710508	0.25784883	2.4447021	20	3 10.9	20.2
216129 2006 SX_{93}	17.2	X	298.09031	243.44495	54.78811	2.04197	0.1896741	0.26346749	2.4098205	20	4 11.7	19.9
216130 2006 SN_{95}	16.2	X	29.84602	102.91666	178.61093	1.91019	0.0344456	0.20229540	2.8739467	20	8 24.3	20.0
216131 2006 SE_{97}	16.7	X	177.86305	24.06540	198.85994	2.70483	0.0381736	0.22026551	2.7154285	20	12 13.2	20.5
216132 2006 SH_{102}	16.9	X	5.28291	198.48039	189.42984	6.10786	0.0474233	0.22083238	2.7107796	20	12 12.8	20.5
216133 2006 SH_{105}	16.5	X	138.89792	62.93896	202.54888	4.04779	0.0365467	0.22302611	2.6929745	20	12 21.3	20.3
216134 2006 SE_{108}	16.4	X	261.72768	253.56596	79.98615	8.55079	0.1347100	0.26368890	2.4084714	20	4 24.4	19.8
216135 2006 SP_{108}	16.4	X	250.50088	28.65531	202.29704	3.35172	0.1054081	0.23829139	2.5766998	20	—	—
216136 2006 SZ_{108}	16.9	X	82.31142	172.54682	166.02774	1.49834	0.0308565	0.22464945	2.6799857	20	—	—
216137 2006 SO_{110}	15.5	X	228.65056	303.44149	146.69309	15.68879	0.1117429	0.20313430	2.8660288	20	8 16.2	19.8
216138 2006 SJ_{112}	17.2	X	341.32217	89.26123	191.43669	4.00012	0.1810912	0.27296198	2.3536106	20	6 7.4	19.0
216139 2006 SL_{119}	17.3	X	24.14926	229.57853	77.53167	3.70153	0.2161731	0.28476396	2.2881230	20	11 3.7	19.8
216140 2006 ST_{119}	16.7	X	267.77257	150.97897	139.40692	8.10874	0.1233820	0.25661019	2.4525627	20	3 5.5	20.1
216141 2006 SQ_{142}	17.6	X	334.99845	221.71706	51.74929	1.97161	0.1746306	0.27023205	2.3694351	20	5 11.4	19.3
216142 2006 SQ_{147}	17.4	X	170.70300	310.89353	221.64769	1.67739	0.1140292	0.28195169	2.3033128	20	10 7.2	20.8
216143 2006 SY_{172}	16.5	X	350.18488	240.25967	196.46015	4.97750	0.0816178	0.22706203	2.6609683	20	—	—
216144 2006 SE_{219}	16.4	X	8.39869	333.87377	55.57271	4.24672	0.1052629	0.21970729	2.7200261	20	12 25.9	19.9
216145 2006 SY_{261}	16.6	X	327.86803	298.78830	51.83245	2.84123	0.0801897	0.20337416	2.8637749	20	8 28.5	20.2
216146 2006 SU_{262}	17.1	X	106.12794	147.22211	178.96745	1.81973	0.0826833	0.22630681	2.6668851	20	—	—
216147 2006 SE_{275}	16.2	X	350.18870	325.11926	53.45505	3.70012	0.0811606	0.21435500	2.7651178	20	11 10.5	19.4
216148 2006 SO_{280}	16.6	X	289.97625	303.73646	63.39953	6.74360	0.1218285	0.27132901	2.3630444	20	7 22.5	19.2
216149 2006 SW_{280}	16.2	X	92.30747	194.95626	185.64597	16.58100	0.1593204	0.23384623	2.6092506	20	—	—
216150 2006 SL_{285}	15.8	X	50.63280	231.41162	202.80098	26.77639	0.0149758	0.23672257	2.5880715	20	—	—
216151 2006 SV_{288}	16.4	X	58.59930	247.18672	163.09588	15.39614	0.0920762	0.23518618	2.5993306	20	—	—
216152 2006 SU_{290}	15.7	X	127.53476	59.38151	211.93878	12.90110	0.0315342	0.21995843	2.7179553	20	12 14.5	19.7
216153 2006 SD_{300}	15.4	X	171.68143	265.75677	121.03671	8.46586	0.0634731	0.18223447	3.0811702	20	4 2.8	20.1
216154 2006 SS_{318}	16.2	X	157.53822	240.32710	32.18978	15.00907	0.0849675	0.22882073	2.6473161	20	—	—
216155 2006 SY_{318}	16.4	X	297.32114	7.71155	68.72001	4.55200	0.0705089	0.21432026	2.7654166	20	11 6.7	19.9
216156 2006 SF_{323}	18.0	X	317.66969	129.33579	158.92657	4.99702	0.1710472	0.26650639	2.3914665	20	5 2.9	20.4
216157 2006 SM_{327}	16.8	X	271.93037	336.04299	70.38681	3.09798	0.0561029	0.20250852	2.8719300	20	8 23.3	20.6
216158 2006 SD_{328}	17.0	X	278.46015	179.02634	119.64769	3.06256	0.1645255	0.25943394	2.4347340	20	3 23.2	20.2
216159 2006 SA_{333}	16.9	X	75.43911	172.65816	169.43925	5.93631	0.0403731	0.22580619	2.6708254	20	—	—
216160 2006 SK_{334}	16.1	X	308.32218	336.87118	81.23944	3.43876	0.0727889	0.21376331	2.7702179	20	10 30.1	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216161 2006 SD_{354}	17.0	X	155.72156	50.89327	75.02543	4.37801	0.1254434	0.26519900	2.3993197	20	7 20.4	20.5
216162 2006 SL_{360}	16.3	X	12.84625	294.34681	50.37099	6.93772	0.0157056	0.20931407	2.8093365	20	10 23.6	20.0
216163 2006 SF_{361}	15.8	X	123.16845	36.48573	48.91941	10.27646	0.0706362	0.17750769	3.1356285	20	4 19.8	20.4
216164 2006 SM_{377}	16.9	X	306.41564	149.40674	120.10118	8.54306	0.1867785	0.25930003	2.4355722	20	3 18.7	20.0
216165 2006 SE_{383}	16.9	X	171.94539	148.94011	49.00050	4.15027	0.1286543	0.21709625	2.7417920	20	10 31.2	21.1
216166 2006 SM_{385}	15.9	X	166.74662	132.66603	95.82629	12.56492	0.1164961	0.21888326	2.7268485	20	12 3.9	20.2
216167 2006 SD_{389}	16.1	X	56.08772	37.18748	127.11250	11.48943	0.1572404	0.17863296	3.1224463	20	5 17.9	20.3
216168 2006 SG_{391}	16.2	X	265.85424	4.12555	196.82350	14.44946	0.2282264	0.23765239	2.5813165	20	—	—
216169 2006 SU_{392}	16.6	X	204.47565	308.27837	358.98830	1.55875	0.1158745	0.24393795	2.5367819	20	1 22.8	20.3
216170 2006 SF_{394}	15.6	X	79.23913	50.37867	48.26640	9.01382	0.0400573	0.17201438	3.2020360	20	3 12.6	20.1
216171 2006 SS_{404}	16.9	X	110.58461	184.50221	175.44755	3.68365	0.1364593	0.23351493	2.6117180	20	—	—
216172 2006 ST_{408}	15.7	X	274.18954	332.41084	97.64341	16.25132	0.1151986	0.20406568	2.8573015	20	9 25.3	19.8
216173 2006 TK_{6}	16.2	X	18.73564	343.95100	61.59819	7.04446	0.0218924	0.22320429	2.6915412	20	—	—
216174 2006 TA_{21}	15.6	X	179.03551	4.08996	38.47280	7.33362	0.1179274	0.18150796	3.0893867	20	4 27.1	20.5
216175 2006 TE_{21}	16.1	X	155.15236	226.69187	41.65445	12.11765	0.1553556	0.22519115	2.6756861	20	—	—
216176 2006 TP_{21}	16.2	X	33.56368	162.01911	205.72827	4.61807	0.0696445	0.21856647	2.7294828	20	12 26.4	20.0
216177 2006 TE_{23}	16.7	X	77.85427	205.47420	160.03491	2.23686	0.1008875	0.22751555	2.6574310	20	—	—
216178 2006 TG_{23}	16.2	X	127.85579	132.99560	195.34255	7.24400	0.2100216	0.23315179	2.6144292	20	—	—
216179 2006 TC_{24}	16.5	X	86.31113	286.01722	19.78870	5.09166	0.0632253	0.22218967	2.6997288	20	12 12.2	20.4
216180 2006 TF_{31}	16.3	X	271.75034	205.03997	186.96978	1.63320	0.0146359	0.19874963	2.9080274	20	8 7.8	20.4
216181 2006 TV_{35}	16.4	X	126.18303	63.29612	253.48480	2.77925	0.0906297	0.22803879	2.6533644	20	—	—
216182 2006 TD_{45}	16.1	X	243.04946	281.13809	91.98013	1.94797	0.0962209	0.18825663	3.0151056	20	5 27.6	20.6
216183 2006 TP_{53}	16.0	X	158.10379	77.66522	213.26983	9.17012	0.0900476	0.22781603	2.6550938	20	—	—
216184 2006 TT_{60}	16.7	X	1.77590	179.77433	186.58787	4.74307	0.1160347	0.21253806	2.7808544	20	11 16.2	20.1
216185 2006 TT_{64}	17.4	X	303.49251	171.14703	309.90284	6.07206	0.1147098	0.29816130	2.2190574	20	—	—
216186 2006 TU_{73}	16.8	X	15.22317	177.20221	182.77500	3.42739	0.0997728	0.21435229	2.7651411	20	11 26.1	20.3
216187 2006 TO_{74}	15.8	X	52.51262	231.97907	87.05977	6.81782	0.0532517	0.21446088	2.7642076	20	11 17.5	19.5
216188 2006 TC_{79}	16.6	X	253.24375	74.74273	53.38810	3.26283	0.0322557	0.21122854	2.7923358	20	11 15.7	20.4
216189 2006 TK_{102}	17.1	X	141.49965	323.04793	334.29932	1.65171	0.1289226	0.22897317	2.6461410	20	—	—
216190 2006 TD_{109}	15.9	X	209.21561	193.81521	56.99463	9.41936	0.0651458	0.23327356	2.6135193	20	—	—
216191 2006 TS_{109}	15.9	X	193.49562	238.73962	49.29247	11.67715	0.0791511	0.23760874	2.5816326	20	—	—
216192 2006 TT_{112}	15.7	X	111.93493	31.44318	112.68452	10.99437	0.0783336	0.18732663	3.0250766	20	6 18.9	20.2
216193 2006 TL_{117}	15.5	X	67.50695	2.28913	159.39900	12.94552	0.0726809	0.18265005	3.0764948	20	5 18.0	19.9
216194 2006 UA_{4}	16.6	X	137.83248	46.21337	207.91573	14.26475	0.0655028	0.22211839	2.7003064	20	12 6.3	20.8
216195 2006 UD_{5}	15.4	X	93.60961	242.63476	219.77543	13.54023	0.1770218	0.17472717	3.1688067	20	4 17.7	20.0
216196 2006 UW_{5}	16.1	X	84.16971	313.55021	191.06306	4.07969	0.0702266	0.18161413	3.0881825	20	5 15.2	20.3
216197 2006 UA_{7}	15.8	X	180.26623	256.25279	44.40356	14.49389	0.1141673	0.23674851	2.5878825	20	—	—
216198 2006 UH_{7}	16.3	X	66.60416	215.46927	163.76612	3.34734	0.1276519	0.22762050	2.6566141	20	—	—
216199 2006 UR_{7}	16.4	X	162.81614	156.37913	200.42034	8.90364	0.1459013	0.24337967	2.5406598	20	2 10.3	20.5
216200 2006 UQ_{11}	16.3	X	115.20217	282.64834	41.01617	10.62563	0.0619204	0.22752930	2.6573239	20	—	—
216201 2006 UH_{13}	16.1	X	131.05731	252.82647	87.73664	2.00704	0.1174082	0.23375585	2.6099231	20	—	—
216202 2006 UJ_{13}	16.4	X	117.58317	239.17791	88.36304	1.64807	0.1117064	0.22846857	2.6500358	20	—	—
216203 2006 UQ_{14}	16.7	X	19.54045	52.05855	77.50631	3.73850	0.0676813	0.23692526	2.5865953	20	1 16.5	19.7
216204 2006 UD_{20}	16.5	X	101.85150	293.12362	326.96764	2.77388	0.0542503	0.21280539	2.7785250	20	10 31.1	20.4
216205 2006 UQ_{27}	16.7	X	189.01838	36.17014	222.35509	2.62120	0.1312012	0.23079224	2.6322183	20	—	—
216206 2006 UZ_{44}	15.8	X	21.15603	245.35131	221.50223	12.24891	0.2308217	0.22959583	2.6413547	20	—	—
216207 2006 UN_{45}	16.0	X	41.55426	126.80270	61.91276	10.49671	0.0471101	0.17997476	3.1069074	20	5 11.5	20.0
216208 2006 UC_{58}	16.9	X	161.02030	260.20957	80.18102	4.40187	0.1746155	0.23982315	2.5657164	20	1 25.8	20.8
216209 2006 UA_{61}	15.1	X	16.10359	170.08149	234.64451	28.09504	0.1076301	0.22124886	2.7073767	20	—	—
216210 2006 UO_{65}	17.2	X	178.78901	71.50996	4.90918	4.50492	0.1373745	0.26403213	2.4063836	20	6 6.9	21.0
216211 2006 UV_{68}	16.2	X	71.42490	248.73369	114.85021	5.00080	0.1017405	0.22654272	2.6650333	20	—	—
216212 2006 UC_{73}	15.0	X	315.35357	92.45985	356.16815	9.47927	0.0552676	0.14682007	3.5585993	20	11 28.9	19.9
216213 2006 UT_{79}	16.3	X	191.23155	342.76826	264.55236	3.22915	0.1560669	0.22911351	2.6450604	20	—	—
216214 2006 UE_{91}	15.6	X	26.13968	29.00920	229.39274	10.31908	0.0517553	0.19194953	2.9763090	20	7 17.6	19.7
216215 2006 UG_{92}	17.1	X	166.19076	277.30611	38.80848	12.41977	0.1880832	0.23920655	2.5701236	20	1 2.1	21.3
216216 2006 UR_{93}	16.3	X	150.72412	173.24888	67.65383	4.88375	0.0386929	0.21684759	2.7438876	20	12 3.1	20.2
216217 2006 UD_{94}	16.9	X	176.40047	137.61486	165.94348	3.32032	0.1727088	0.23795101	2.5791564	20	—	—
216218 2006 US_{98}	15.9	X	77.44372	164.73494	85.79981	5.93671	0.1842716	0.20526983	2.8461162	20	10 9.5	20.2
216219 2006 UU_{98}	16.4	X	83.88695	164.53866	172.26047	5.12037	0.1205625	0.22382728	2.6865445	20	—	—
216220 2006 UD_{99}	16.2	X	253.33729	261.72218	179.99314	5.84215	0.0314248	0.20358667	2.8617816	20	9 15.8	20.2
216221 2006 UZ_{103}	16.8	X	193.83136	200.14487	100.65755	2.75495	0.1533280	0.23912204	2.5707291	20	1 6.3	20.8
216222 2006 UG_{108}	15.7	X	105.88849	264.87608	211.12161	9.89927	0.0497630	0.17784790	3.1316284	20	5 3.2	20.0
216223 2006 UC_{132}	15.6	X	239.80609	275.80422	220.70551	16.67130	0.0965854	0.21312187	2.7757735	20	10 30.9	19.3
216224 2006 UR_{143}	16.3	X	121.27377	63.71976	272.58456	4.55671	0.2080966	0.23141012	2.6275308	20	—	—
216225 2006 UC_{155}	16.7	X	35.04251	332.48257	68.90404	3.72459	0.0828153	0.22764196	2.6564471	20	—	—
216226 2006 UN_{162}	16.4	X	144.10342	64.64364	167.88837	4.29691	0.0356660	0.21563309	2.7541808	20	11 16.2	20.4
216227 2006 UQ_{162}	16.0	X	275.22826	348.25778	45.69736	9.09275	0.0644082	0.20074529	2.8887224	20	8 12.4	20.0
216228 2006 UM_{183}	15.7	X	97.92412	191.79399	68.88814	12.57880	0.0543161	0.21279272	2.7786353	20	11 1.1	19.7
216229 2006 UQ_{215}	16.7	X	19.52655	249.76312	141.32408	6.89435	0.0111697	0.22094549	2.7098544	20	12 30.4	20.4
216230 2006 UG_{216}	16.3	X	40.68816	212.46763	173.72730	6.21151	0.0765463	0.22303870	2.6928732	20	—	—
216231 2006 UM_{223}	16.5	X	342.79375	277.14642	133.77845	2.66744	0.0732085	0.21987076	2.7186777	20	12 12.8	19.8
216232 2006 UB_{226}	16.3	X	61.19827	308.51705	22.20416	4.96455	0.1652364	0.22037440	2.7145340	20	12 26.6	20.4
216233 2006 UF_{241}	16.4	X	165.18326	199.11528	124.76605	4.31753	0.1709931	0.23577866	2.5949743	20	1 9.1	20.5
216234 2006 UA_{244}	16.4	X	47.99888	60.63507	182.78254	1.65580	0.0149422	0.19823348	2.9130731	20	7 26.6	20.4
216235 2006 UZ_{266}	16.6	X	135.58562	220.37371	70.23800	4.00503	0.0733640	0.22480763	2.6787284	20	—	—
216236 2006 UV_{274}	17.0	X	232.31181	193.66888	57.59416	2.78797	0.1380663	0.24008767	2.5638315	20	—	—
216237 2006 UZ_{286}	15.6	X	218.26525	218.71077	164.03878	2.25885	0.2204436	0.18572003	3.0424974	20	5 5.9	20.7
216238 2006 UB_{287}	15.6	X	325.05889	53.22359	217.32965	9.57063	0.0203133	0.18248901	3.0783044	20	5 11.5	19.7
216239 2006 UW_{328}	16.4	X	32.49907	143.53556	232.99607	4.01637	0.0484151	0.21918581	2.7243386	20	—	—
216240 2006 VS_{7}	15.6	X	277.93388	296.46040	60.07922	10.94865	0.1088368	0.19107842	2.9853480	20	6 15.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216241 Renzopiano	15.4	X	329.17743	330.62683	309.66881	8.39229	0.0420846	0.18655102	3.0334555	20	5 25.7	19.6
216242 2006 VK_{14}	15.8	X	179.79029	193.67876	99.90548	3.48167	0.0959066	0.23337026	2.6127973	20	—	—
216243 2006 VP_{45}	15.1	X	11.74952	308.73555	235.56546	13.97696	0.1553492	0.17254489	3.1954693	20	3 19.7	19.1
216244 2006 VW_{58}	15.3	X	346.29758	7.12271	229.33434	12.87663	0.1448813	0.17849435	3.1240627	20	4 15.7	19.0
216245 2006 VX_{58}	16.3	X	179.18034	211.61338	102.32277	2.69140	0.1740598	0.23746069	2.5827056	20	1 10.1	20.5
216246 2006 VH_{86}	16.0	X	18.72190	322.85970	63.12634	10.79193	0.1020082	0.21887683	2.7269020	20	—	—
216247 2006 VX_{89}	15.2	X	115.98888	254.39580	219.68700	15.42079	0.1122562	0.17720230	3.1392301	20	5 20.6	20.0
216248 2006 VZ_{90}	16.4	X	187.52065	324.28552	331.04124	3.49401	0.1657425	0.23600545	2.5933116	20	—	—
216249 2006 VV_{99}	15.4	X	287.52488	44.17069	234.79206	8.20492	0.0455731	0.17387032	3.1792090	20	3 28.6	20.0
216250 2006 VY_{105}	16.2	X	86.23807	235.25577	57.63609	4.61234	0.0773013	0.21247036	2.7814450	20	11 26.1	20.3
216251 2006 VR_{106}	16.6	X	70.19032	230.09506	142.11031	6.80384	0.0693358	0.22573118	2.6714170	20	—	—
216252 2006 VS_{111}	15.9	X	313.15760	287.61825	36.85914	9.13928	0.0873115	0.19054472	2.9909199	20	6 27.0	19.9
216253 2006 VW_{111}	15.2	X	267.86509	275.41694	38.57308	10.35800	0.0966059	0.17962788	3.1109060	20	4 13.9	19.6
216254 2006 VE_{126}	15.7	X	125.33183	228.67289	226.77878	8.13055	0.1331071	0.18023977	3.1038613	20	5 9.3	20.5
216255 2006 VJ_{146}	15.9	X	355.01427	322.76675	93.54821	9.59594	0.1008933	0.21678129	2.7444470	20	—	—
216256 2006 VU_{147}	16.2	X	205.43570	247.75608	62.38831	16.99067	0.2209980	0.24185731	2.5513101	20	2 1.0	20.9
216257 2006 VR_{154}	15.9	X	156.13664	212.71801	77.60696	15.25680	0.0838980	0.22878075	2.6476245	20	—	—
216258 2006 WH_{1}	20.2	X	55.92159	263.43579	240.50098	2.63375	0.4847077	0.45606158	1.6715539	20	6 13.8	20.6
216259 2006 WY_{9}	16.9	X	60.69163	252.52331	91.67989	5.45415	0.1680068	0.29255450	2.2473197	20	—	—
216260 2006 WG_{13}	16.1	X	99.89880	68.50866	95.78591	8.71840	0.1096639	0.18185167	3.0854927	20	7 3.7	20.5
216261 Mapihsia	15.7	X	269.81210	209.86115	167.15158	6.29411	0.2352697	0.19251010	2.9705283	20	6 14.5	20.1
216262 2006 WR_{16}	16.0	X	188.62604	273.37940	39.35562	6.00920	0.1949902	0.23925157	2.5698012	20	1 18.7	20.3
216263 2006 WL_{43}	15.8	X	260.04486	292.00597	73.37578	10.78850	0.0990909	0.18936222	3.0033584	20	6 6.1	20.1
216264 2006 WU_{44}	16.1	X	307.94689	129.49385	210.90545	10.29166	0.0863641	0.19266957	2.9688890	20	7 8.9	20.2
216265 2006 WD_{60}	17.4	X	7.47426	156.45514	175.23969	5.20930	0.3026122	0.28344815	2.2951987	20	11 27.8	19.7
216266 2006 WL_{60}	15.5	X	163.54385	356.47037	53.05128	12.51772	0.1358961	0.17542962	3.1603421	20	4 23.9	20.5
216267 2006 WU_{72}	16.0	X	354.05249	301.77732	251.09433	3.51586	0.0877566	0.17043735	3.2217576	20	3 7.6	20.2
216268 2006 WY_{77}	15.7	X	43.98402	256.94636	236.73637	5.43952	0.0482127	0.16857395	3.2454561	20	3 4.0	20.1
216269 2006 WP_{81}	16.2	X	257.03228	290.17944	84.85469	6.37286	0.0564963	0.18770439	3.0210165	20	6 20.8	20.3
216270 2006 WQ_{99}	16.9	X	26.31240	183.61349	66.34851	2.64311	0.1671535	0.26206482	2.4184117	20	7 30.9	19.1
216271 2006 WE_{101}	15.9	X	43.04461	246.66390	110.41407	6.83654	0.0728077	0.21593004	2.7516551	20	12 25.1	19.7
216272 2006 WY_{110}	15.4	X	269.58929	307.94647	77.05364	11.77667	0.0885469	0.19172823	2.9785988	20	7 16.3	19.6
216273 2006 WS_{127}	15.7	X	103.99068	85.68589	26.95483	11.08071	0.0475934	0.17952937	3.1120438	20	4 24.8	20.1
216274 2006 WV_{140}	16.2	X	348.88617	255.28586	42.88348	2.61928	0.0963412	0.19410138	2.9542708	20	7 19.2	19.8
216275 2006 WV_{161}	16.6	X	165.27535	223.00268	74.13627	4.95760	0.1347009	0.22980507	2.6397511	20	—	—
216276 2006 WO_{171}	16.4	X	81.60781	209.50072	90.95704	2.23592	0.0964123	0.21157953	2.7892468	20	12 2.3	20.5
216277 2006 WE_{180}	16.1	X	348.55058	203.51393	266.68461	7.73178	0.0559505	0.22319402	2.6916238	20	—	—
216278 2006 WS_{191}	15.6	X	228.09172	299.72797	74.80889	9.83004	0.0495111	0.18274535	3.0754252	20	5 18.1	20.1
216279 2006 WM_{202}	15.8	X	84.16723	297.47927	252.00427	4.54120	0.1208000	0.18231336	3.0802814	20	7 17.7	20.3
216280 2006 XM_{11}	17.2	X	328.32407	16.12085	314.58083	2.60101	0.1298536	0.27035552	2.3687136	20	8 4.9	19.3
216281 2006 XD_{21}	15.3	X	252.82307	245.43915	103.62624	10.63328	0.1187197	0.17692279	3.1425356	20	5 9.6	20.1
216282 2006 XP_{23}	15.7	X	274.08889	243.30624	102.17076	12.24413	0.0334923	0.18500871	3.0502910	20	6 8.9	20.1
216283 2006 XF_{26}	15.8	X	263.72523	272.02860	119.55626	7.60552	0.1122011	0.19201229	2.9756603	20	7 12.8	19.9
216284 2006 XD_{36}	16.4	X	80.94014	239.16426	128.55043	12.44273	0.1933792	0.22629708	2.6669615	20	—	—
216285 2006 XR_{53}	15.2	X	224.24011	329.91128	78.58462	13.97245	0.1256587	0.18503071	3.0500491	20	6 17.1	19.9
216286 2006 YF_{46}	14.8	X	64.33336	81.30182	115.32049	17.93594	0.0753167	0.17377101	3.1804201	20	6 25.9	19.2
216287 2007 AE	15.3	X	255.05843	290.59796	74.80890	11.57079	0.0428886	0.18053792	3.1004431	20	6 7.6	19.7
216288 2007 AG_{5}	15.5	X	37.43971	121.77952	108.37770	12.40343	0.0347464	0.17887301	3.1196521	20	6 26.8	19.8
216289 2007 BG_{5}	15.5	X	97.89764	312.67174	86.10455	22.88487	0.0475192	0.22676334	2.6633045	20	1 10.3	19.1
216290 2007 EM_{132}	17.2	X	155.66848	272.64430	5.97257	2.76566	0.1186109	0.27383229	2.3486210	20	—	—
216291 2007 EO_{149}	13.3	X	293.14013	139.69886	149.89376	9.75289	0.0614232	0.08264799	5.2197279	20	4 25.8	20.2
216292 2007 EM_{195}	13.4	X	285.88007	132.22131	156.77048	2.48582	0.0378649	0.08208333	5.2436386	20	4 17.6	20.3
216293 2007 GP_{11}	13.5	X	43.70907	58.47220	115.48402	9.82114	0.0428429	0.08276086	5.2149807	20	5 2.2	20.3
216294 2007 KM_{4}	16.7	X	351.92925	328.42286	318.37260	1.39823	0.1749936	0.23236635	2.6203174	20	7 11.2	18.8
216295 Menorca	15.6	X	44.46842	198.87882	140.98010	13.65411	0.1936141	0.17419102	3.1753056	20	12 14.2	20.3
216296 2007 LR_{22}	15.8	X	266.15909	236.34931	112.62842	6.36175	0.1516779	0.22629044	2.6670137	20	5 17.6	19.6
216297 2007 MP_{2}	15.9	X	122.05112	211.13613	182.31399	16.14104	0.2104007	0.20345333	2.8630319	20	2 25.4	20.4
216298 2007 RK_{37}	16.8	X	180.82223	221.30234	190.33130	3.41620	0.2118400	0.27655452	2.3331834	20	5 9.2	20.7
216299 2007 RO_{86}	17.4	X	74.49129	339.24542	175.12356	22.47120	0.0474230	0.35960453	1.9584806	20	5 9.6	19.7
216300 2007 RS_{123}	15.3	X	65.13452	73.25893	340.44666	24.88298	0.2598393	0.17549783	3.1595232	20	1 31.1	19.3
216301 2007 RC_{137}	17.1	X	132.97129	59.04205	5.44679	7.13876	0.1182304	0.27401380	2.3475837	20	4 1.6	20.1
216302 2007 RJ_{149}	14.9	X	39.95511	323.31494	351.35741	9.38517	0.0281695	0.15621989	3.4143798	20	10 9.0	19.7
216303 2007 RE_{220}	15.9	X	84.54330	258.86273	220.53531	4.09572	0.0463446	0.19563989	2.9387622	20	4 7.8	19.9
216304 2007 SV_{7}	16.6	X	104.24528	330.99062	173.39110	6.22125	0.1891883	0.27977398	2.3152497	20	6 25.2	19.9
216305 2007 TY_{13}	17.5	X	17.01483	77.49305	201.27600	20.80304	0.0604928	0.37217428	1.9141317	20	8 20.2	19.6
216306 2007 TZ_{56}	16.3	X	201.68975	341.17226	13.52820	1.48069	0.1045051	0.19266317	2.9689548	20	3 21.9	21.0
216307 2007 TM_{92}	13.5	X	343.53646	7.15665	18.26448	4.41177	0.0916426	0.08177512	5.2568058	20	10 11.9	19.9
216308 2007 TA_{103}	17.3	X	34.94636	343.61691	203.66982	7.35116	0.0998861	0.27205807	2.3588209	20	4 30.4	19.7
216309 2007 TZ_{121}	17.4	X	126.03649	291.76129	143.30862	1.66051	0.1663351	0.26886594	2.3774544	20	4 14.9	20.7
216310 2007 TJ_{125}	17.9	X	271.91307	47.33463	64.27653	4.51536	0.0581862	0.30954983	2.1642911	20	12 12.5	20.0
216311 2007 TZ_{139}	16.0	X	205.83841	227.06427	229.06297	23.24616	0.1823674	0.28847301	2.2684677	20	7 21.8	20.0
216312 2007 TT_{149}	15.7	X	332.95100	249.00856	232.93528	11.77792	0.2017530	0.23690357	2.5867531	20	—	—
216313 2007 TL_{157}	17.0	X	276.77105	30.92186	259.76148	4.19186	0.1138389	0.27798500	2.3251723	20	3 11.7	20.3
216314 2007 TP_{187}	16.4	X	220.41761	359.17701	52.14206	25.40836	0.1751803	0.28475068	2.2881941	20	6 9.9	20.2
216315 2007 TJ_{196}	17.4	X	169.33881	98.18612	55.03372	6.12253	0.0650952	0.29430637	2.2383927	20	9 17.4	20.4
216316 2007 TD_{231}	16.9	X	2.00106	23.92816	190.49223	6.44401	0.0633644	0.27175892	2.3605517	20	4 11.6	19.2
216317 2007 TK_{234}	17.4	X	63.72195	36.15554	121.06031	2.07567	0.1007785	0.26986027	2.3716108	20	5 5.3	19.9
216318 2007 TB_{241}	16.7	X	324.40368	254.26869	184.95861	12.60493	0.1527239	0.23482028	2.6020301	20	12 29.8	19.6
216319 2007 TY_{286}	15.8	X	40.25582	299.25311	54.60354	15.91740	0.0975465	0.23325574	2.6136523	20	12 24.4	19.5
216320 2007 TN_{353}	15.4	X	44.03700	298.56433	115.14814	5.51896	0.1345632	0.16961533	3.2321585	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216321 2007 TN_{363}	15.7	X	185.36244	118.59655	216.38055	4.85426	0.0309896	0.17917173	3.1161838	20	2 9.3	20.4
216322 2007 UN_{22}	17.5	X	82.79676	44.61564	203.34096	6.66305	0.0908193	0.29864696	2.2166510	20	10 11.9	20.2
216323 2007 UF_{48}	15.4	X	115.26651	332.88281	67.17084	7.29587	0.0813278	0.17875866	3.1209825	20	2 18.1	19.9
216324 2007 UN_{98}	17.0	X	107.53487	179.22780	58.41031	3.74189	0.1412958	0.29907520	2.2145345	20	10 30.9	20.1
216325 2007 UH_{100}	17.2	X	113.07425	82.83025	50.34270	5.46815	0.0825805	0.27449981	2.3448119	20	6 6.4	20.3
216326 2007 UP_{123}	17.2	X	181.21070	148.60421	35.71854	4.81491	0.0992307	0.30238783	2.1983315	20	11 8.2	19.9
216327 2007 UP_{129}	15.8	X	23.26510	36.06348	64.23723	10.00944	0.1342107	0.17074439	3.2178942	20	—	—
216328 2007 VG_{8}	17.1	X	339.18748	235.20824	62.09335	22.92720	0.0786592	0.36605705	1.9353976	20	7 15.5	19.0
216329 2007 VB_{9}	16.7	X	132.50421	346.84660	88.74098	7.43512	0.1080405	0.26853673	2.3793970	20	4 19.3	20.1
216330 2007 VT_{94}	17.4	X	107.57105	31.66235	50.84718	2.87831	0.1832199	0.26341620	2.4101333	20	4 6.3	20.5
216331 2007 VG_{125}	17.0	X	219.12215	5.96164	46.90989	3.74612	0.1334471	0.28282667	2.2985598	20	6 18.8	20.4
216332 2007 VN_{133}	15.2	X	110.90216	134.90196	289.68568	9.28680	0.1808853	0.18382706	3.0633486	20	3 17.8	19.9
216333 2007 VR_{146}	16.3	X	188.72750	308.74941	278.25941	1.73805	0.0052436	0.22562714	2.6722382	20	—	—
216334 2007 VG_{193}	16.1	X	275.92324	356.04406	109.03277	3.57862	0.0262734	0.21880642	2.7274870	20	11 19.4	19.6
216335 2007 VK_{235}	17.1	X	87.21763	328.20407	211.20918	2.45808	0.1087449	0.27719310	2.3295986	20	7 12.1	19.9
216336 2007 VO_{305}	15.6	X	356.27580	115.31909	141.50977	10.39924	0.1137428	0.18042483	3.1017385	20	6 5.2	19.5
216337 2007 VQ_{307}	16.7	X	288.09019	44.73970	14.59040	3.27547	0.0809073	0.21369017	2.7708500	20	9 29.4	20.0
216338 2007 WD_{21}	16.6	X	91.43035	279.74946	139.55411	7.58190	0.0208661	0.24302205	2.5431517	20	1 21.6	20.0
216339 2007 WT_{27}	16.6	X	93.20660	98.94239	48.52933	8.15224	0.0535407	0.27170216	2.3608804	20	5 25.8	19.5
216340 2007 WO_{35}	17.1	X	111.53397	36.33374	36.91482	5.46384	0.0626545	0.26151001	2.4218310	20	3 13.7	20.1
216341 2007 WF_{49}	15.9	X	97.94521	288.12741	189.61798	3.51937	0.1427407	0.18798875	3.0179692	20	5 8.4	20.2
216342 2007 WD_{55}	16.9	X	163.99994	350.04342	89.42202	3.50941	0.1894195	0.27371285	2.3493042	20	5 29.5	20.7
216343 Wenchang	16.3	X	288.42399	256.04418	219.23426	14.32531	0.1773307	0.22910591	2.6451188	20	12 7.7	19.1
216344 2007 XZ_{1}	17.3	X	15.50131	77.95450	69.11730	2.64991	0.1614681	0.25371198	2.4712047	20	1 25.1	19.4
216345 Savigliano	16.4	X	232.13286	89.05142	89.54783	4.08678	0.0859907	0.23271279	2.6177161	20	12 19.8	19.7
216346 2007 XH_{23}	14.9	X	69.69653	30.19734	116.20668	18.00618	0.1667685	0.17707304	3.1407577	20	5 18.5	19.4
216347 2007 YM_{7}	16.1	X	181.68880	150.76877	115.17233	12.49226	0.1354386	0.22983389	2.6395305	20	—	—
216348 2007 YX_{15}	16.6	X	325.60497	10.98192	78.01054	13.04325	0.1529798	0.23071175	2.6328305	20	—	—
216349 2007 YJ_{35}	17.6	X	216.64329	41.75839	347.10095	1.62894	0.0405763	0.27011516	2.3701186	20	5 20.8	20.8
216350 2007 YJ_{44}	16.0	X	42.42873	213.64830	110.33410	9.47361	0.1648869	0.21420384	2.7664185	20	11 27.8	19.8
216351 2007 YV_{46}	15.6	X	108.21066	130.44698	120.26542	15.10552	0.0280760	0.21025731	2.8009282	20	10 31.9	19.9
216352 2007 YB_{53}	16.7	X	187.50894	62.94217	135.47731	3.25344	0.0349506	0.21749685	2.7384242	20	11 24.5	20.6
216353 2007 YO_{53}	15.1	X	65.57777	49.95067	111.59822	16.36680	0.1059642	0.17992128	3.1075231	20	5 21.9	19.5
216354 2007 YA_{64}	16.2	X	188.09026	161.26738	116.16501	4.34260	0.1446017	0.23329664	2.6133469	20	—	—
216355 2007 YX_{64}	15.9	X	20.65220	113.56461	138.85329	7.90292	0.0842668	0.18774862	3.0205421	20	7 6.5	19.8
216356 2008 AG_{6}	17.2	X	84.69641	116.43056	91.29109	5.49884	0.0868572	0.28390266	2.2927484	20	8 18.3	20.1
216357 2008 AB_{13}	16.3	X	210.39265	118.36290	134.19287	11.69244	0.0430918	0.23448696	2.6044953	20	—	—
216358 2008 AT_{17}	16.8	X	13.73633	260.19575	138.00732	6.88676	0.0283271	0.22296843	2.6934389	20	—	—
216359 2008 AX_{24}	16.5	X	84.66789	190.69827	49.37995	2.71285	0.0402110	0.20041310	2.8919136	20	9 14.0	20.5
216360 2008 AV_{66}	16.1	X	349.82081	159.85702	86.20167	1.87099	0.1190254	0.17989408	3.1078363	20	5 8.8	19.8
216361 2008 AQ_{68}	16.0	X	74.61198	227.34815	115.05344	8.26165	0.0942778	0.22259310	2.6964658	20	—	—
216362 2008 AL_{83}	16.2	X	334.20992	352.93346	98.80608	10.36148	0.0829579	0.22872803	2.6480314	20	—	—
216363 2008 AF_{85}	16.6	X	142.44523	124.48094	106.52111	4.66490	0.0417930	0.21332111	2.7740449	20	11 12.3	20.6
216364 2008 AC_{87}	16.3	X	282.95498	340.59550	73.60232	1.61561	0.0620587	0.21090111	2.7952252	20	9 17.7	20.0
216365 2008 AS_{88}	17.5	X	223.55650	152.18676	182.61124	0.71145	0.0309414	0.25775290	2.4453086	20	3 18.3	20.7
216366 2008 AP_{95}	16.4	X	29.66358	260.24924	117.67982	7.09395	0.0483648	0.22317988	2.6917374	20	—	—
216367 2008 AE_{101}	16.3	X	156.38318	44.82097	179.88861	5.99504	0.0102472	0.21401869	2.7680138	20	11 21.3	20.1
216368 2008 AS_{101}	16.0	X	5.38353	73.37625	180.56184	2.78357	0.0489807	0.19075065	2.9887668	20	6 13.8	19.8
216369 2008 AC_{112}	16.3	X	166.32315	109.69063	116.46949	4.21390	0.0173695	0.21866359	2.7286745	20	12 5.1	20.1
216370 2008 AU_{117}	16.3	X	341.57927	263.69087	14.31435	1.31612	0.0749865	0.18450621	3.0558267	20	6 9.1	20.2
216371 2008 AB_{118}	16.5	X	333.88398	229.26403	166.56603	6.06894	0.0477583	0.21052858	2.7985217	20	11 8.1	20.1
216372 2008 BW_{10}	17.4	X	300.80628	280.99793	121.95590	5.68415	0.1548483	0.29423647	2.2387472	20	10 10.7	19.1
216373 2008 BZ_{15}	15.6	X	54.81750	17.72830	131.19159	5.99974	0.1350887	0.17504851	3.1649276	20	4 21.8	19.7
216374 2008 BB_{16}	15.8	X	55.64258	84.07801	135.44183	11.08194	0.1070216	0.18917464	3.0053435	20	7 18.0	19.9
216375 2008 BL_{20}	16.4	X	47.18034	235.63085	124.19960	3.67660	0.0403272	0.22169076	2.7037778	20	12 30.4	20.0
216376 2008 BP_{20}	16.0	X	142.68186	140.84646	123.28608	7.31590	0.0264077	0.22027300	2.7153670	20	12 23.7	19.9
216377 2008 BE_{27}	16.4	X	1.14348	67.06398	219.30236	1.05199	0.0849669	0.19469038	2.9483094	20	7 22.2	19.9
216378 2008 BL_{35}	15.2	X	170.90477	66.41586	343.25000	14.56373	0.0821207	0.17566273	3.1575456	20	4 20.5	20.3
216379 2008 BV_{35}	15.2	X	269.35016	174.51292	133.69209	3.55973	0.0979918	0.17116026	3.2126797	20	4 8.8	19.9
216380 2008 BH_{40}	15.5	X	332.37927	216.47772	109.25264	13.15342	0.0547841	0.19693624	2.9258515	20	8 1.4	19.2
216381 2008 BF_{41}	16.3	X	251.74457	306.23538	145.01364	3.57342	0.1570221	0.20861018	2.8156525	20	9 9.3	20.1
216382 2008 BW_{43}	17.2	X	123.25007	321.70131	180.34990	6.47598	0.1058415	0.26852483	2.3794674	20	7 3.9	20.6
216383 2008 BC_{48}	15.9	X	347.18978	81.46868	142.08136	2.21742	0.0926224	0.17406354	3.1768559	20	4 7.3	19.9
216384 2008 BR_{48}	16.4	X	285.65655	235.20658	95.98915	2.66621	0.0633298	0.18878247	3.0095041	20	5 31.3	20.3
216385 2008 BX_{49}	16.7	X	60.65230	303.81485	46.00374	4.76590	0.1174936	0.22577563	2.6710663	20	—	—
216386 2008 CY_{35}	15.7	X	88.23157	305.99792	178.10808	17.66720	0.1531637	0.17749153	3.1358188	20	5 8.8	20.4
216387 2008 CQ_{59}	16.0	X	323.10656	135.29330	164.05116	7.62790	0.2925234	0.18199683	3.0838518	20	5 12.8	19.4
216388 2008 CU_{75}	16.0	X	193.19757	31.91045	96.54692	7.02581	0.0145241	0.20201901	2.8765675	20	9 5.3	20.1
216389 2008 CE_{124}	16.6	X	85.70918	224.86204	151.95482	14.18880	0.1033749	0.23312266	2.6146470	20	—	—
216390 Binnig	15.6	X	288.06551	216.19608	97.47078	6.07346	0.1295597	0.17689028	3.1429206	20	5 4.1	19.9
216391 2008 CR_{179}	16.4	X	311.58209	268.72189	164.16386	12.01229	0.1667266	0.21876693	2.7278151	20	11 23.2	19.4
216392 2008 CT_{187}	15.3	X	32.84461	0.54817	231.44232	7.95075	0.0935848	0.18475281	3.0531069	20	6 28.3	19.3
216393 2008 CW_{196}	16.7	X	127.79177	109.12001	174.79207	2.33502	0.1400792	0.21777569	2.7360863	20	12 31.0	21.1
216394 2008 DB_{3}	15.5	X	65.30975	333.78334	178.26600	10.06971	0.0097795	0.17635984	3.1492194	20	4 23.2	19.9
216395 2008 DQ_{7}	15.4	X	326.54903	327.88968	316.28204	8.37669	0.0464244	0.18582939	3.0413037	20	5 26.6	19.6
216396 2008 DF_{65}	14.8	X	301.73384	178.25808	93.38597	13.91053	0.1636954	0.17258635	3.1949575	20	3 30.9	19.4
216397 2008 EP_{5}	15.7	X	165.69937	314.61446	150.45142	10.66464	0.0912989	0.18571607	3.0425407	20	6 29.2	20.6
216398 2008 EP_{22}	15.1	X	4.53737	236.39551	50.09963	10.38242	0.0644081	0.19097231	2.9864537	20	7 30.1	19.1
216399 2008 EU_{52}	16.7	X	173.80312	15.91496	133.12037	7.78110	0.0425864	0.27459095	2.3442931	20	9 14.8	19.8
216400 2008 EX_{88}	15.0	X	76.36625	70.25789	67.70268	9.79737	0.0365849	0.17368083	3.1815210	20	4 24.4	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216401 2008 EK_{90}	17.6	X	133.38140	270.17116	343.53601	1.25888	0.1992773	0.28358870	2.2944403	20	12 11.3	21.3
216402 2008 ET_{96}	16.7	X	324.99418	206.46584	169.08612	2.16587	0.0762740	0.20406960	2.8572650	20	9 25.9	20.2
216403 2008 ER_{105}	15.6	X	253.55517	232.26350	138.85946	11.83916	0.0914923	0.18387498	3.0628163	20	6 8.6	20.2
216404 2008 EY_{108}	16.5	X	17.93674	163.77171	157.31122	2.38555	0.0640370	0.20337786	2.8637401	20	10 3.5	20.1
216405 2008 ER_{132}	16.4	X	295.52650	138.66441	201.39669	8.53136	0.0443369	0.18758567	3.0222910	20	6 27.1	20.7
216406 2008 ES_{142}	16.9	X	65.23979	82.00375	149.96960	5.34283	0.1579106	0.26581660	2.3956019	20	9 2.9	19.9
216407 2008 FP_{19}	15.5	X	263.52912	203.94179	129.50714	5.18969	0.1053443	0.17298564	3.1900392	20	5 2.5	20.1
216408 2008 FT_{73}	14.5	X	257.93420	326.61128	151.92833	6.37892	0.1792358	0.12610833	3.9382825	20	10 7.0	20.2
216409 2008 GM_{84}	13.4	X	277.02322	161.65331	142.28271	5.85496	0.0351749	0.08544429	5.1052149	20	4 25.8	20.2
216410 2008 QG_{18}	16.4	X	89.38887	7.10560	324.12655	13.22748	0.2575884	0.26764354	2.3846879	20	—	—
216411 2008 RR_{51}	14.3	X	206.60437	116.80061	182.29624	15.01380	0.1389219	0.12482506	3.9652282	20	1 26.0	20.7
216412 2008 RF_{54}	15.8	X	154.89312	86.56277	276.30389	4.45233	0.0651427	0.20838587	2.8176727	20	2 8.1	20.0
216413 2008 RR_{68}	14.9	X	80.21021	268.07752	24.38579	12.35283	0.1222083	0.17326812	3.1865710	20	11 14.1	19.8
216414 2008 RE_{94}	16.1	X	84.16310	333.26838	3.02848	2.68693	0.1268140	0.18206569	3.0830742	20	—	—
216415 2008 SF_{61}	15.4	X	65.30343	141.86944	187.08446	12.37832	0.2073555	0.17831148	3.1261983	20	12 24.0	20.4
216416 2008 SD_{92}	16.8	X	296.66229	345.18990	335.82993	1.44576	0.2112428	0.23023428	2.6364693	20	5 8.3	20.2
216417 2008 SD_{100}	15.0	X	39.18898	334.67780	34.02112	16.81012	0.0888408	0.17575404	3.1564519	20	12 25.7	19.7
216418 2008 SQ_{106}	15.9	X	77.13323	274.41577	41.58715	4.48712	0.1117699	0.17254521	3.1954653	20	12 9.3	20.6
216419 2008 SJ_{172}	12.6	X	286.99771	115.93812	318.64362	9.25263	0.1288610	0.08122228	5.2806325	20	9 16.1	19.5
216420 2008 SJ_{272}	16.4	X	37.96971	85.86089	223.30415	2.35345	0.0356789	0.24115260	2.5562780	20	10 17.7	19.8
216421 2008 TD_{3}	13.0	X	357.63394	130.00790	239.10632	7.68058	0.1352236	0.08451991	5.1423706	20	10 12.5	19.2
216422 2008 TJ_{6}	17.4	X	193.38630	326.21542	50.60478	5.18695	0.1626226	0.29758526	2.2219201	20	4 5.5	20.7
216423 2008 TZ_{135}	13.2	X	356.54560	19.38832	18.40111	7.86758	0.0446638	0.08358882	5.1804871	20	11 9.7	19.9
216424 2008 TZ_{172}	15.9	X	303.12272	337.37715	99.88517	13.07271	0.1451491	0.23370546	2.6102983	20	11 20.2	18.7
216425 2008 UE_{90}	16.9	X	346.06093	113.95148	220.03626	15.74202	0.1911348	0.24059712	2.5602110	20	9 7.1	19.6
216426 2008 WC_{44}	16.0	X	217.06639	340.40767	55.09553	7.07959	0.0438439	0.21625830	2.7488700	20	5 30.4	20.0
216427 2008 WT_{94}	15.5	X	268.85386	144.68666	279.49132	21.31394	0.0943388	0.23212198	2.6221561	20	8 26.6	19.5
216428 Mauricio	16.7	X	198.67205	291.24667	149.52945	3.32097	0.1514268	0.21894375	2.7263462	20	7 1.5	21.0
216429 2009 BK_{23}	16.6	X	235.94295	265.76648	341.16857	9.37931	0.1804120	0.25232086	2.4802794	20	—	—
216430 2009 BX_{75}	17.3	X	348.10273	322.69303	152.82394	1.40398	0.1541190	0.25510105	2.4622259	20	—	—
216431 2009 BH_{125}	15.8	X	250.63158	328.69036	317.64423	3.99805	0.1193288	0.17651689	3.1473512	20	2 18.1	20.7
216432 2009 CT_{37}	15.7	X	160.23701	61.14520	346.53684	8.11890	0.1331846	0.19017763	2.9947674	20	4 12.6	20.5
216433 Milianleo	16.5	X	141.03948	200.48872	12.03968	3.34822	0.1320671	0.21721761	2.7407707	20	10 18.9	20.7
216434 2009 DZ_{46}	15.2	X	316.71448	260.97949	339.52420	8.03000	0.0663194	0.18250492	3.0781255	20	3 15.9	19.3
216435 2009 DT_{58}	16.9	X	321.04936	167.54165	113.49858	3.29042	0.1981614	0.27573881	2.3377826	20	4 22.5	19.0
216436 2009 DR_{69}	16.4	X	30.96574	219.89405	341.00492	1.44631	0.0502953	0.19156682	2.9802717	20	5 10.9	20.4
216437 2009 DW_{117}	16.5	X	86.32242	284.64267	312.05702	2.45545	0.0522030	0.21266295	2.7797655	20	9 12.8	20.3
216438 2009 DT_{121}	16.9	X	259.58843	213.55315	50.59497	1.90641	0.0997553	0.25782713	2.4448392	20	1 24.5	20.3
216439 Lyubertsy	16.1	X	227.97960	165.60794	324.45748	11.29062	0.0620341	0.22278281	2.6949348	20	10 9.1	20.0
216440 2009 EU_{4}	17.2	X	344.51797	309.70021	206.76409	0.55723	0.1226172	0.25623315	2.4549680	20	—	—
216441 2009 EO_{20}	17.4	X	42.78385	87.13155	82.68492	2.48195	0.1235061	0.27303897	2.3531681	20	4 20.9	19.7
216442 2009 FG_{4}	16.8	X	356.43010	159.72004	55.07022	22.71558	0.0588032	0.35645076	1.9700157	20	4 8.4	19.0
216443 2009 FS_{20}	15.9	X	351.51332	323.33366	47.71326	7.32063	0.1045687	0.22078128	2.7111979	20	11 6.2	19.1
216444 2009 FX_{30}	17.3	X	92.46423	4.94593	128.17996	0.95412	0.1532215	0.27728540	2.3290817	20	5 21.3	20.0
216445 2009 FK_{34}	17.4	X	350.63839	164.26029	48.89930	3.34106	0.1410136	0.26894080	2.3770132	20	3 15.4	19.5
216446 2009 FA_{45}	15.3	X	109.27985	306.54078	147.58851	12.84644	0.1356652	0.18561719	3.0436211	20	4 24.7	20.0
216447 2009 FC_{45}	16.8	X	4.77050	358.39528	214.80288	2.56479	0.1416099	0.26757395	2.3851013	20	4 11.2	18.6
216448 2009 FQ_{55}	17.0	X	318.33263	162.94594	51.81915	5.61338	0.1428906	0.25622512	2.4550193	20	1 26.8	20.1
216449 2009 GG_{1}	16.0	X	353.05570	174.75594	72.85736	2.12253	0.1405984	0.17893319	3.1189526	20	5 15.4	19.5
216450 2009 HH_{3}	16.7	X	8.14336	193.15898	46.20590	8.78529	0.0743457	0.27422600	2.3463725	20	5 28.4	19.2
216451 Irsha	17.0	X	44.07199	44.16416	138.37234	5.98519	0.1647164	0.27243774	2.3566289	20	5 20.5	19.3
216452 2009 HU_{12}	17.0	X	349.28614	72.78427	175.28760	1.08089	0.1543127	0.26991832	2.3712708	20	5 3.9	18.8
216453 2009 HE_{24}	15.8	X	235.57937	256.86374	140.89364	9.52994	0.0978509	0.19067100	2.9895991	20	6 19.6	20.4
216454 2009 HX_{24}	16.8	X	248.76136	63.26937	164.93380	0.80957	0.0615535	0.23988212	2.5652959	20	—	—
216455 2009 HG_{32}	16.7	X	259.28780	13.85645	140.62363	5.27404	0.1767453	0.23122395	2.6289410	20	12 12.6	19.8
216456 2009 HF_{34}	16.3	X	206.75026	162.75879	138.55497	4.09155	0.0551470	0.24658038	2.5186261	20	1 15.9	19.8
216457 2009 HG_{57}	16.8	X	325.88674	246.83959	45.22008	5.80731	0.1667131	0.27337043	2.3512656	20	5 22.7	18.7
216458 2009 HG_{59}	16.1	X	196.74664	109.48758	172.22539	6.97926	0.2017988	0.23640257	2.5904065	20	—	—
216459 2009 HY_{62}	16.6	X	340.78281	154.97215	112.90409	7.14041	0.1032151	0.27111772	2.3642721	20	5 24.3	19.0
216460 1250 $T-2$	16.1	X	223.58861	108.01672	177.38753	5.55349	0.1731384	0.24179287	2.5517633	20	1 12.9	20.3
216461 2025 $T-2$	15.4	X	333.53741	73.27235	323.80212	3.53879	0.0973080	0.16911534	3.2385260	20	10 27.7	19.6
216462 Polyphontes	12.7	X	308.91023	160.25282	260.65774	9.97290	0.1075229	0.08274528	5.2156355	20	9 30.2	19.3
216463 1849 $T-3$	14.7	X	259.41084	101.22867	235.16128	15.00472	0.0441951	0.17607840	3.1525742	20	5 6.7	19.2
216464 1974 PB	17.3	X	346.74275	190.76410	146.28618	6.58473	0.3431872	0.27933245	2.3176888	20	10 30.8	18.4
216465 1995 VV_{10}	17.3	X	275.69192	266.01542	64.05493	7.79185	0.1447522	0.26565702	2.3965612	20	5 3.6	20.3
216466 1996 AP_{8}	15.2	X	12.96435	20.75611	284.33637	8.45964	0.0238211	0.18399413	3.0614940	20	8 25.5	19.5
216467 1996 MZ	16.4	X	202.10091	139.99919	112.32216	9.88774	0.1166981	0.22936224	2.6431477	20	—	—
216468 1996 XZ_{23}	16.9	X	142.23526	234.36190	241.26191	3.00031	0.0445184	0.27382847	2.3486429	20	6 15.9	19.9
216469 1997 CV_{3}	17.3	X	340.12120	119.02404	114.56257	3.10620	0.1369215	0.26203192	2.4186141	20	3 27.8	19.7
216470 1997 UG_{18}	16.2	X	72.61765	246.84168	65.84589	5.97348	0.0576700	0.21662355	2.7457792	20	12 3.5	20.1
216471 1997 WK_{12}	17.1	X	276.71008	197.53016	237.82276	5.76119	0.1213338	0.29901971	2.2148085	20	10 14.2	19.2
216472 1999 JQ_{108}	14.9	X	293.46774	112.60278	52.48069	27.14725	0.2197175	0.17320751	3.1873144	20	—	—
216473 1999 RM_{67}	15.4	X	289.25664	161.00480	181.63932	10.29452	0.1931950	0.18075885	3.0979162	20	6 1.4	19.7
216474 1999 RT_{79}	17.3	X	65.28215	29.24432	290.40392	4.41293	0.1549635	0.29125387	2.2540052	20	12 31.4	20.4
216475 1999 RD_{110}	15.1	X	316.89858	110.68887	221.25744	14.28023	0.2433913	0.18148839	3.0896087	20	6 20.4	18.7
216476 1999 SC_{22}	16.1	X	212.22697	76.30266	334.92949	5.74889	0.1644922	0.22301483	2.6930653	20	6 5.9	20.5
216477 1999 TD_{25}	17.2	X	292.67648	140.52334	283.76414	1.34374	0.2006621	0.28142003	2.3062128	20	10 13.6	18.9
216478 1999 TP_{207}	15.1	X	248.00981	124.68994	299.09842	15.45751	0.0714539	0.18060842	3.0996361	20	8 6.4	19.6
216479 1999 TF_{237}	16.7	X	3.48777	255.98349	103.84194	5.65569	0.1838593	0.28414478	2.2914458	20	12 10.5	18.9
216480 1999 UH_{25}	14.7	X	348.22673	87.62298	248.23275	10.00287	0.1491141	0.18397826	3.0616700	20	9 1.5	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216481 1999 VB_{33}	15.0	X	3.72430	102.21052	240.01363	10.27606	0.2393490	0.18525805	3.0475534	20	10 22.9	18.3
216482 1999 VZ_{45}	16.8	X	320.33448	119.02493	244.17826	19.67181	0.1147872	0.37645535	1.8995923	20	9 27.5	18.7
216483 1999 VQ_{46}	17.1	X	154.26907	256.41426	235.58480	20.43781	0.0628129	0.36620936	1.9348609	20	7 23.7	19.9
216484 1999 VE_{85}	17.4	X	324.98395	119.55934	196.86006	0.83888	0.2007130	0.27390437	2.3482090	20	6 26.5	19.1
216485 1999 VB_{122}	17.0	X	193.08979	314.89459	71.82726	5.30970	0.0542807	0.26238203	2.4164621	20	4 20.3	20.4
216486 1999 VT_{123}	17.5	X	275.84904	212.19500	154.30246	1.45250	0.1944518	0.27218432	2.3580915	20	6 15.1	20.4
216487 1999 VA_{182}	14.7	X	353.05205	39.31939	235.85893	15.34307	0.1910052	0.17456240	3.1708004	20	6 20.3	18.2
216488 1999 VV_{186}	15.4	X	303.36139	182.59447	203.12421	9.24848	0.1995006	0.18169018	3.0873207	20	8 14.3	19.2
216489 1999 VE_{202}	16.5	X	17.55967	83.22085	274.33969	5.12340	0.1996794	0.28671526	2.2777296	20	12 30.9	19.1
216490 1999 XG_{10}	14.9	X	326.63135	93.30382	276.30161	9.48170	0.2141186	0.18377860	3.0638870	20	9 3.2	18.2
216491 1999 XT_{14}	17.0	X	83.81489	240.60269	241.59924	19.40655	0.1017960	0.35341851	1.9812678	20	3 31.9	19.4
216492 1999 XU_{141}	15.3	X	243.76435	84.33357	98.42014	28.65658	0.3526675	0.23031121	2.6358822	20	12 6.1	19.3
216493 1999 YY_{15}	15.2	X	31.04802	73.03427	239.39186	12.94438	0.1921235	0.18397151	3.0617449	20	10 22.4	19.2
216494 2000 AH_{51}	14.4	X	303.67081	167.00145	242.88691	21.57922	0.1635638	0.18585947	3.0409755	20	9 16.6	18.6
216495 2000 AJ_{201}	16.8	X	331.09211	291.53429	131.60206	24.96661	0.0709678	0.37786015	1.8948812	20	—	—
216496 2000 AQ_{212}	16.5	X	321.95565	249.36247	76.47125	13.12113	0.2044174	0.27319256	2.3522861	20	7 4.9	18.4
216497 2000 AY_{221}	15.9	X	247.31643	275.20827	310.91168	6.24787	0.1745802	0.23890994	2.5722504	20	—	—
216498 2000 BH_{1}	17.1	X	300.08585	277.88749	115.83205	3.19063	0.2155623	0.27493298	2.3423484	20	9 7.8	19.0
216499 2000 CJ_{22}	16.1	X	310.06388	10.87067	142.24101	8.99731	0.1272124	0.23747452	2.5826053	20	—	—
216500 2000 DD_{118}	16.1	X	257.59581	89.54071	149.11005	12.52208	0.1316841	0.23979860	2.5658915	20	—	—
216501 2000 EP_{203}	16.2	X	241.86925	52.20374	265.58899	7.60817	0.2368022	0.24593479	2.5230319	20	2 29.6	20.7
216502 2000 GC_{41}	16.0	X	175.38723	139.46232	17.99469	9.31649	0.0849577	0.21460780	2.7629459	20	9 18.3	20.1
216503 2000 HR_{34}	16.3	X	225.49316	44.23306	221.77799	8.04618	0.1744236	0.23179585	2.6246150	20	—	—
216504 2000 HF_{59}	15.7	X	124.49105	113.50597	222.96324	12.38154	0.1815109	0.22684495	2.6626656	20	—	—
216505 2000 JY_{9}	15.9	X	163.10945	164.53747	117.19945	12.88247	0.1730429	0.22411978	2.6842065	20	—	—
216506 2000 RF_{81}	15.4	X	138.82607	26.79449	291.39362	14.20289	0.2766184	0.21674684	2.7447378	20	—	—
216507 2000 RL_{97}	15.2	X	50.26642	123.77211	268.23313	11.93971	0.2105729	0.21067234	2.7972485	20	—	—
216508 2000 RJ_{106}	17.0	X	309.49461	177.34815	242.44372	6.03471	0.1432884	0.30070792	2.2065112	20	11 26.7	18.7
216509 2000 SA_{87}	16.7	X	279.62478	325.10414	51.56330	8.69054	0.1454057	0.28899568	2.2657317	20	7 17.2	19.3
216510 2000 SG_{106}	15.4	X	264.25143	184.39280	194.96538	10.35149	0.0799327	0.18746367	3.0236021	20	7 1.2	19.8
216511 2000 SB_{127}	15.3	X	322.59444	143.97423	196.88106	10.20261	0.1195379	0.19076473	2.9886197	20	7 28.4	19.2
216512 2000 SS_{289}	17.1	X	344.49932	151.61678	245.10240	3.47187	0.1583835	0.30155189	2.2023923	20	—	—
216513 2000 ST_{332}	15.4	X	135.83338	265.28473	185.89809	16.89725	0.1934147	0.17879540	3.1205549	20	5 21.4	20.7
216514 2000 UN_{48}	16.8	X	247.63496	346.76115	46.91716	5.02664	0.1182458	0.28435233	2.2903307	20	6 28.5	19.8
216515 2000 VF_{45}	17.3	X	36.69030	291.12727	66.67665	5.16524	0.1492782	0.30247129	2.1979270	20	—	—
216516 2000 WQ_{21}	16.5	X	234.33773	175.45897	237.13056	5.79676	0.1072394	0.28395384	2.2924730	20	7 8.7	19.6
216517 2000 WF_{127}	17.0	X	140.15460	49.47118	62.21800	3.63586	0.1296437	0.27769736	2.3267777	20	6 14.2	20.3
216518 2000 YZ_{48}	14.7	X	54.68902	5.58672	287.34558	14.28762	0.0290060	0.18596208	3.0398568	20	9 30.2	19.2
216519 2001 FP_{24}	16.9	X	317.27323	358.03012	218.02341	8.24638	0.3277390	0.25368884	2.4713550	20	—	—
216520 2001 FA_{75}	16.9	X	193.96053	192.37978	61.29968	3.54315	0.0913803	0.29267519	2.2467018	20	—	—
216521 2001 FX_{109}	16.1	X	323.56125	199.55955	31.53615	5.03835	0.1582448	0.25622450	2.4550233	20	2 23.6	18.9
216522 2001 HQ_{6}	15.9	X	322.40809	217.76108	85.50950	5.56500	0.0483919	0.21166342	2.7885098	20	6 17.0	19.5
216523 2001 HY_{7}	20.6	X	84.60971	211.28559	205.10372	5.21077	0.4121162	1.12829498	0.9138066	20	—	—
216524 2001 HM_{20}	16.4	X	310.58941	103.90239	185.37678	9.28260	0.2634628	0.25684844	2.4510458	20	4 5.6	19.1
216525 2001 MY_{20}	15.5	X	255.85344	96.98564	150.65631	11.80611	0.2340886	0.24112612	2.5564651	20	—	—
216526 2001 NZ_{19}	15.4	X	143.65309	97.35191	236.79818	13.92830	0.1085830	0.23242767	2.6198564	20	—	—
216527 2001 OD_{6}	15.9	X	176.14964	148.80540	174.12325	10.61879	0.1975066	0.23488221	2.6015727	20	1 18.1	20.3
216528 2001 OQ_{66}	17.0	X	31.95987	70.60858	226.03771	20.36867	0.0571491	0.36640557	1.9341701	20	10 18.3	18.9
216529 2001 OH_{84}	15.9	X	191.24009	230.47189	106.93359	6.26156	0.3429989	0.23860948	2.5744093	20	2 21.9	20.8
216530 2001 OF_{111}	15.9	X	291.87683	215.09279	154.22355	13.27419	0.1145150	0.20158818	2.8806645	20	7 21.4	19.7
216531 2001 QA_{135}	16.6	X	237.72489	109.19005	215.52390	10.71020	0.3406810	0.24262763	2.5459071	20	3 1.2	21.6
216532 2001 QW_{193}	15.8	X	182.20304	81.33475	272.77389	9.16795	0.2622385	0.23695947	2.5863463	20	2 27.7	20.6
216533 2001 QU_{195}	15.5	X	191.64322	106.34699	247.59604	12.43699	0.2125314	0.23848553	2.5753012	20	3 3.1	20.1
216534 2001 QP_{225}	16.0	X	86.05313	144.94186	202.54365	13.90679	0.1320309	0.22269813	2.6956180	20	—	—
216535 2001 QB_{261}	15.8	X	119.20205	151.78246	197.04117	12.07235	0.1393784	0.22672329	2.6636181	20	—	—
216536 2001 QZ_{272}	16.1	X	131.95490	206.35575	125.50956	12.46842	0.1316722	0.22925127	2.6440006	20	—	—
216537 2001 QL_{292}	16.3	X	189.38362	349.43555	297.89924	12.35245	0.2779855	0.23280472	2.6170269	20	—	—
216538 2001 RS_{128}	15.8	X	104.43595	232.48187	88.77748	3.34212	0.0859301	0.22173818	2.7033922	20	—	—
216539 2001 RX_{148}	16.8	X	208.35057	241.21077	113.53193	13.68363	0.1972260	0.24306184	2.5428741	20	3 29.3	21.3
216540 2001 SO_{4}	16.2	X	134.88357	140.18656	190.16504	10.95620	0.1894519	0.22800040	2.6536622	20	—	—
216541 2001 SN_{29}	16.3	X	149.71136	113.14422	184.39684	12.82075	0.1750536	0.22508276	2.6765450	20	—	—
216542 2001 SF_{38}	15.7	X	186.98847	307.70513	21.75753	14.12358	0.2102977	0.23420419	2.6065913	20	2 11.7	20.3
216543 2001 SK_{116}	17.4	X	294.78132	79.90565	186.60922	22.71514	0.0721600	0.34647675	2.0076438	20	2 28.4	19.9
216544 2001 SP_{120}	17.0	X	215.44296	47.83670	261.51928	1.98459	0.2047347	0.23773810	2.5806960	20	2 3.6	21.3
216545 2001 ST_{235}	16.2	X	74.37452	136.58493	194.89647	10.73688	0.1155508	0.21618462	2.7494945	20	—	—
216546 2001 SH_{292}	16.0	X	122.66049	112.55926	281.38110	6.61976	0.0546123	0.23401318	2.6080095	20	2 3.7	19.5
216547 2001 SS_{305}	16.0	X	136.30462	39.66366	232.54436	4.80616	0.1010099	0.21785242	2.7354437	20	12 24.9	20.3
216548 2001 TP_{115}	15.4	X	127.81879	104.83811	247.60677	12.96125	0.0754736	0.22344529	2.6896055	20	—	—
216549 2001 TZ_{126}	16.8	X	80.52471	124.17964	209.95671	4.19705	0.1630256	0.21683470	2.7439964	20	—	—
216550 2001 TK_{172}	15.7	X	57.04964	253.08288	54.85353	14.18605	0.0541636	0.21092325	2.7950296	20	11 8.5	19.4
216551 2001 TA_{184}	13.5	X	259.01109	117.52473	223.83892	8.72289	0.0662710	0.08641135	5.0670540	20	5 12.3	20.2
216552 2001 UD_{29}	15.6	X	10.80211	302.71768	69.55091	5.39895	0.0816454	0.21145446	2.7903466	20	12 1.8	19.1
216553 2001 UY_{165}	16.3	X	71.51705	228.54796	121.85962	6.52551	0.1554763	0.27054255	2.3676218	20	—	—
216554 2001 UJ_{173}	15.9	X	200.44242	49.34635	206.98009	11.38830	0.0663682	0.22129537	2.7069974	20	—	—
216555 2001 VM_{11}	15.9	X	18.32344	159.48078	288.68359	8.20476	0.1618505	0.21904940	2.7254696	20	—	—
216556 2001 VF_{16}	19.1	X	241.55902	327.73812	275.34444	9.33194	0.0651307	0.59675999	1.3972354	20	—	—
216557 2001 VC_{21}	15.6	X	30.59904	120.68496	237.17232	5.78019	0.1400984	0.21072878	2.7967490	20	12 18.6	19.2
216558 2001 VF_{47}	15.4	X	74.46271	142.94835	272.23974	6.58541	0.2839485	0.22103832	2.7090956	20	2 1.6	18.3
216559 2001 VB_{69}	15.9	X	172.27484	78.19366	226.97226	16.35366	0.0970079	0.22454410	2.6808239	20	—	—
216560 2001 WP_{47}	14.8	X	15.51349	57.85911	76.45667	17.60207	0.1209421	0.17229763	3.1985257	20	1 30.6	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216561 2001 WT_{97}	16.2	X	105.15348	91.98511	271.63127	1.30851	0.0924346	0.22099593	2.7094421	20	—	—
216562 2001 XF_{2}	16.4	X	314.08974	47.75937	287.90230	17.06947	0.0723557	0.35362984	1.9804784	20	7 26.7	18.0
216563 2001 XS_{29}	14.8	X	127.97075	120.83985	253.34382	11.73986	0.2817953	0.22517351	2.6758259	20	2 10.7	19.3
216564 2001 XX_{227}	16.1	X	69.60362	68.94185	295.74917	5.09928	0.0519617	0.21437394	2.7649549	20	—	—
216565 2001 YO_{28}	15.7	X	153.90288	56.06310	66.48208	9.37709	0.0585245	0.18951256	3.0017698	20	7 7.9	20.2
216566 2001 YB_{51}	15.1	X	314.77800	280.03648	78.30802	13.05053	0.0695194	0.19471062	2.9481051	20	8 21.9	19.1
216567 2002 AU_{28}	15.1	X	154.33726	330.13148	117.18884	25.66897	0.2674018	0.18005101	3.1060302	20	6 7.9	20.9
216568 2002 AQ_{159}	17.0	X	202.02758	8.78635	195.92807	2.28089	0.0417853	0.30898831	2.1669124	20	—	—
216569 2002 AO_{170}	15.2	X	288.20806	261.97917	106.17556	11.42813	0.1251175	0.18904073	3.0067625	20	7 13.1	19.0
216570 2002 CW_{54}	16.8	X	1.08297	146.05939	263.24863	2.34367	0.1405915	0.31044174	2.1601437	20	—	—
216571 2002 CS_{76}	17.8	X	171.50820	58.50845	109.54336	1.06424	0.1663882	0.29777654	2.2209685	20	10 2.4	21.0
216572 2002 CC_{137}	14.8	X	347.84530	115.16445	147.94419	22.88422	0.0291569	0.17929470	3.1147587	20	6 5.5	19.5
216573 2002 CJ_{253}	15.5	X	311.79840	44.98315	233.58069	8.16247	0.0421756	0.17609108	3.1524230	20	4 30.7	19.9
216574 2002 CX_{258}	15.4	X	144.31094	150.67112	277.50470	13.88717	0.0311234	0.22629101	2.6670092	20	4 7.4	19.5
216575 2002 CE_{279}	17.5	X	191.19733	270.70534	219.94599	5.23376	0.0907165	0.29657461	2.2269651	20	9 5.3	20.6
216576 2002 DY_{10}	14.7	X	152.19451	7.65331	51.90962	18.68225	0.2628233	0.17770175	3.1333453	20	5 1.4	20.1
216577 2002 DO_{11}	16.9	X	354.50239	343.83174	126.06730	3.08044	0.1483230	0.26316031	2.4116954	20	—	—
216578 2002 EB_{144}	17.3	X	322.23945	331.59470	76.35992	1.67729	0.0409199	0.30242158	2.1981679	20	11 28.7	19.3
216579 2002 FU_{29}	15.2	X	102.35646	94.86322	120.09083	17.86538	0.0549110	0.18601262	3.0393061	20	9 6.9	19.8
216580 2002 GH_{38}	17.0	X	82.39796	100.36315	189.12268	6.61183	0.2288970	0.29484803	2.2356504	20	12 15.9	20.7
216581 2002 GX_{82}	16.7	X	256.34351	7.70296	65.40592	6.95140	0.0513909	0.29114914	2.2545457	20	9 23.1	19.3
216582 2002 GE_{112}	17.0	X	152.13752	143.10706	94.54675	4.28827	0.1151158	0.29829340	2.2184022	20	12 14.6	20.1
216583 2002 GW_{131}	16.1	X	282.77182	125.43239	218.47040	5.04894	0.2181811	0.27875372	2.3208956	20	5 19.6	19.0
216584 2002 HQ_{3}	14.7	X	63.00136	170.76629	69.74365	12.25358	0.1243289	0.17652013	3.1473127	20	9 1.4	19.3
216585 2002 JS_{19}	17.0	X	194.20245	81.24753	120.37285	5.82108	0.0975367	0.29907984	2.2145116	20	12 17.4	19.7
216586 2002 KU_{4}	16.9	X	10.64472	29.80019	231.55424	6.32251	0.1126474	0.27676640	2.3319925	20	7 9.6	19.2
216587 2002 LD_{23}	16.9	X	59.71595	124.29787	166.23003	5.27765	0.2679840	0.28531345	2.2851842	20	11 29.8	20.4
216588 2002 LM_{26}	17.1	X	45.63134	16.03901	237.90672	4.85485	0.1539921	0.28106821	2.3081369	20	9 4.9	19.8
216589 2002 LB_{29}	16.5	X	35.76893	165.38694	145.00849	6.83627	0.2326099	0.28209433	2.3025363	20	11 26.4	19.6
216590 2002 LC_{47}	16.7	X	83.37052	98.26860	138.45843	9.29713	0.1371479	0.28569276	2.2831611	20	10 4.5	19.9
216591 Coetzee	16.6	X	222.20134	136.54486	231.50566	3.74178	0.1859409	0.26270084	2.4145067	20	4 19.6	20.5
216592 2002 OW_{7}	17.4	X	327.79594	173.61558	132.90091	8.45257	0.2355802	0.27087875	2.3656624	20	6 11.7	19.2
216593 2002 OF_{17}	17.5	X	33.07234	112.40090	190.48509	5.93872	0.2763189	0.28056614	2.3108897	20	11 18.5	20.4
216594 2002 OP_{21}	17.3	X	317.70462	92.29207	226.78342	4.11498	0.1823637	0.27087024	2.3657119	20	6 17.0	19.4
216595 2002 PB_{8}	17.6	X	325.18703	105.75136	285.99608	1.61804	0.3052339	0.27862360	2.3216181	20	11 19.2	18.1
216596 2002 PE_{105}	17.2	X	22.24027	99.98785	210.28403	5.12783	0.2489899	0.27883115	2.3204659	20	11 8.9	19.6
216597 2002 PR_{127}	17.1	X	203.19488	289.95813	64.69565	3.73508	0.1927546	0.25612072	2.4556864	20	3 19.9	21.2
216598 2002 PO_{137}	17.0	X	225.81224	214.63197	149.37891	2.68087	0.2178091	0.26026427	2.4295528	20	4 17.8	21.0
216599 2002 PC_{158}	16.8	X	234.77499	213.17157	138.08434	7.73109	0.0681471	0.26201675	2.4187075	20	4 23.5	20.2
216600 2002 QW_{13}	17.2	X	330.27888	75.32258	229.80640	4.00198	0.2360721	0.27023655	2.3694088	20	6 14.5	18.7
216601 2002 RN_{7}	15.0	X	23.42462	43.57442	328.51040	23.51772	0.2101676	0.17452109	3.1713008	20	12 31.9	19.5
216602 2002 RQ_{19}	16.4	X	276.20098	147.81735	164.93011	13.96919	0.1477067	0.26011837	2.4304612	20	4 12.1	19.8
216603 2002 RX_{39}	15.4	X	80.33451	188.19680	131.97783	2.83141	0.1101687	0.17700951	3.1415090	20	12 18.7	20.0
216604 2002 TA_{1}	16.8	X	269.15995	205.05195	108.71203	3.45846	0.1791311	0.25914722	2.4365295	20	3 30.9	20.4
216605 2002 TJ_{8}	16.9	X	280.96145	125.56357	196.63465	4.16709	0.1912877	0.26169558	2.4206860	20	4 21.7	19.9
216606 2002 TO_{8}	16.9	X	236.50960	130.61321	204.05997	2.70808	0.1707658	0.25597280	2.4566324	20	3 23.1	20.6
216607 2002 TY_{99}	16.4	X	74.45489	169.60181	221.66434	11.99286	0.1811264	0.23933608	2.5691962	20	—	—
216608 2002 TB_{109}	16.1	X	235.22730	260.69575	98.82905	12.12668	0.2739798	0.25849616	2.4406190	20	4 21.6	20.5
216609 2002 TU_{178}	16.1	X	140.94234	107.63336	221.28110	27.14761	0.1169871	0.23775125	2.5806009	20	—	—
216610 2002 TC_{217}	17.0	X	191.62666	260.13399	111.13530	3.80059	0.1971116	0.25277481	2.4773091	20	3 30.7	21.2
216611 2002 TA_{223}	16.0	X	51.66884	242.73206	94.90464	8.06070	0.1437856	0.28165712	2.3049184	20	—	—
216612 2002 TB_{271}	16.4	X	249.75638	120.34439	212.95423	13.84711	0.1800011	0.25739239	2.4475914	20	4 1.1	20.1
216613 2002 TU_{281}	13.6	X	112.99935	106.99774	242.09934	9.47393	0.3158466	0.12527804	3.9556642	20	1 16.9	19.8
216614 2002 TR_{376}	17.3	X	266.43256	48.16577	239.18184	5.60392	0.1160183	0.25581259	2.4576580	20	2 25.8	20.9
216615 2002 UK_{46}	14.6	X	105.03373	216.84109	134.84000	9.53149	0.2665493	0.12414788	3.9796344	20	1 9.5	20.5
216616 2002 VK_{11}	16.0	X	108.52831	129.15505	232.59742	12.58883	0.1118414	0.23519694	2.5992513	20	—	—
216617 2002 VO_{72}	16.9	X	301.23711	238.80031	110.15117	3.26480	0.2401753	0.26554702	2.3972230	20	6 21.1	19.0
216618 2002 VW_{84}	15.6	X	20.65690	299.72882	107.06441	11.73870	0.2557066	0.22413408	2.6840923	20	—	—
216619 2002 VM_{128}	16.2	X	283.89575	13.37519	97.44502	5.37220	0.1138657	0.21860074	2.7291975	20	11 28.3	19.3
216620 2002 VP_{133}	15.2	X	160.20137	93.03627	238.75658	26.52407	0.0999780	0.23660345	2.5889401	20	1 1.7	19.4
216621 2002 VD_{136}	16.5	X	162.12092	111.44726	246.52206	6.60184	0.1517613	0.24410475	2.5356262	20	2 11.3	20.5
216622 2002 WQ_{7}	17.1	X	208.02806	266.37605	75.45986	4.67258	0.1991823	0.30463902	2.1874881	20	3 5.3	20.6
216623 2002 WZ_{27}	17.0	X	199.78257	226.27318	107.37095	1.85915	0.1886841	0.24630156	2.5205266	20	2 20.0	21.2
216624 Kaufer	15.7	X	151.13537	127.38060	307.40303	8.39970	0.1113056	0.24660051	2.5184891	20	5 3.5	19.6
216625 2002 XA_{77}	15.3	X	216.78892	120.44111	277.85261	12.25795	0.1652200	0.25516716	2.4618005	20	5 24.4	19.2
216626 2002 YP_{9}	16.2	X	4.49890	150.52461	250.47252	4.08031	0.1197159	0.21955034	2.7213223	20	—	—
216627 2002 YM_{27}	16.0	X	104.92569	152.51640	290.16525	3.87863	0.2032250	0.24055584	2.5605039	20	4 4.5	19.6
216628 2002 YX_{30}	15.9	X	340.47015	317.75216	103.62054	14.72677	0.1577533	0.21784744	2.7354855	20	12 29.6	18.7
216629 2003 AT_{6}	15.6	X	188.05986	228.95389	87.20709	5.05994	0.1389599	0.23951447	2.5679203	20	1 19.3	19.6
216630 2003 AX_{38}	15.5	X	126.05937	289.55897	124.25198	31.55492	0.1019979	0.23814171	2.5777793	20	3 19.8	19.7
216631 2003 BN_{24}	15.7	X	201.12652	269.70705	294.38340	23.63052	0.1240415	0.21063858	2.7975473	20	12 6.2	20.3
216632 2003 BX_{27}	15.1	X	74.30420	337.97471	228.12624	9.64780	0.2053788	0.19098274	2.9863450	20	8 5.6	19.6
216633 2003 BH_{46}	17.0	X	256.68391	260.13915	157.98741	24.05183	0.0800350	0.37183249	1.9153045	20	9 4.7	18.4
216634 2003 EB_{40}	15.6	X	17.34474	102.99534	106.82607	17.31168	0.1732588	0.17855637	3.1233392	20	5 16.4	19.4
216635 2003 FH_{3}	15.1	X	34.42767	75.30378	104.74458	26.73244	0.2202837	0.17763410	3.1341407	20	5 18.6	19.1
216636 2003 FK_{96}	15.2	X	44.91867	153.06303	100.50886	16.44839	0.0792637	0.19060673	2.9902711	20	8 16.9	19.3
216637 2003 FV_{131}	15.7	X	95.66868	85.75005	93.85723	8.62992	0.0442979	0.18676149	3.0311760	20	7 9.8	20.0
216638 2003 GX_{8}	15.4	X	340.92075	56.62327	197.55251	16.05659	0.1794922	0.17585858	3.1552008	20	4 30.5	19.0
216639 2003 GK_{21}	17.0	X	155.30578	345.43230	66.15037	6.74282	0.2707167	0.34959908	1.9956722	20	4 19.3	20.1
216640 2003 GN_{42}	15.4	X	12.91699	105.47081	113.06826	17.29154	0.1815910	0.17777602	3.1324725	20	5 19.9	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216641 2003 GS_{42}	15.7	X	1.42972	83.25501	130.82495	20.15660	0.1852556	0.17622396	3.1508381	20	4 22.7	19.6
216642 2003 GE_{48}	15.2	X	310.23434	156.54064	170.96942	9.81290	0.1704811	0.18265992	3.0763839	20	6 15.5	19.2
216643 2003 KW_{9}	15.2	X	318.48920	32.94959	237.29684	16.19314	0.1997839	0.17234721	3.1979122	20	4 4.9	19.4
216644 2003 QY_{17}	17.4	X	81.37946	226.37746	79.16521	1.47507	0.2043899	0.30415005	2.1898319	20	—	—
216645 2003 QD_{42}	16.7	X	281.97917	175.91050	179.24165	9.87795	0.2413220	0.28103888	2.3082975	20	6 1.1	19.7
216646 2003 QT_{56}	17.1	X	166.43395	160.24067	135.03247	7.54812	0.2459047	0.31647183	2.1326161	20	—	—
216647 2003 QZ_{103}	16.7	X	310.95836	303.18251	35.60178	4.63706	0.1533131	0.28485703	2.2876246	20	7 12.2	18.7
216648 2003 SY_{206}	16.3	X	317.73799	37.28830	6.80904	4.58941	0.0473578	0.23493651	2.6011718	20	10 29.0	19.4
216649 2003 SA_{208}	15.3	X	178.25926	99.77254	31.74734	12.62040	0.1348842	0.22154072	2.7049984	20	8 22.2	19.8
216650 2003 TE_{11}	16.7	X	295.02271	316.67747	71.42539	7.02166	0.1587105	0.28554226	2.2839633	20	9 1.9	18.8
216651 2003 TB_{49}	16.7	X	51.21069	294.95236	303.20852	5.86893	0.1879702	0.28065666	2.3103928	20	8 27.6	19.5
216652 2003 UG_{15}	17.5	X	114.26684	261.09344	18.12012	7.67243	0.2521962	0.30225943	2.1989540	20	12 30.4	21.3
216653 2003 UJ_{20}	17.1	X	100.41889	55.08109	257.98458	5.33396	0.2420010	0.30428424	2.1891881	20	—	—
216654 2003 UT_{117}	17.0	X	54.21667	128.94709	200.80443	5.48067	0.2260742	0.29786276	2.2205399	20	—	—
216655 2003 UA_{142}	17.0	X	9.49574	241.07170	113.17032	6.97474	0.1355122	0.29546889	2.2325175	20	12 7.7	19.3
216656 2003 UM_{155}	17.3	X	207.83849	355.16373	71.94304	5.04255	0.1131264	0.27717265	2.3297132	20	6 27.3	20.6
216657 2003 UL_{202}	16.9	X	264.37303	324.09410	60.13210	7.35805	0.1252948	0.27902757	2.3193768	20	7 6.8	19.8
216658 2003 UE_{315}	17.9	X	135.38971	207.49122	121.43772	0.35997	0.2168016	0.31067090	2.1590813	20	—	—
216659 2003 UP_{368}	16.7	X	92.15080	118.06014	84.98336	7.77961	0.0430389	0.28104021	2.3082902	20	8 15.9	19.6
216660 2003 WO_{138}	16.9	X	350.61322	282.51482	71.88045	6.46789	0.2552815	0.28854102	2.2681112	20	11 22.7	18.5
216661 2003 XM_{11}	17.1	X	106.64403	219.98240	229.02428	5.92317	0.1458514	0.25913146	2.4366283	20	4 6.3	20.3
216662 2003 XN_{41}	16.7	X	34.16001	100.00478	234.15531	6.02956	0.2319909	0.29212992	2.2494967	20	12 25.6	19.8
216663 2003 YB_{36}	16.2	X	270.62286	289.97307	224.73604	8.16517	0.2189834	0.23025789	2.6362891	20	12 23.7	19.1
216664 2003 YZ_{51}	16.5	X	290.57742	15.06928	95.37940	15.31925	0.2308097	0.22945499	2.6424354	20	12 1.4	19.0
216665 2003 YT_{87}	15.7	X	328.64974	28.71510	109.13258	22.92494	0.1092405	0.23800078	2.5787969	20	—	—
216666 2004 AX_{20}	16.5	X	251.79271	148.66155	108.36246	8.38019	0.1802054	0.24339840	2.5405294	20	1 3.8	20.4
216667 2004 BD_{16}	16.3	X	339.78710	34.98347	80.51214	5.78341	0.1807749	0.23515701	2.5995456	20	—	—
216668 2004 BJ_{38}	16.0	X	228.54808	43.78145	131.17851	14.10794	0.1911407	0.22319450	2.6916198	20	11 27.6	20.1
216669 2004 BH_{42}	16.3	X	300.22351	20.31679	127.93312	11.99975	0.1064427	0.23179626	2.6246120	20	—	—
216670 2004 BK_{52}	16.1	X	291.31077	91.72833	108.80683	4.43796	0.1111135	0.24197998	2.5504477	20	—	—
216671 2004 BC_{57}	16.1	X	322.60368	148.44571	109.59499	8.86231	0.1192760	0.25278228	2.4772602	20	4 9.3	19.1
216672 Kucinskas	16.8	X	158.61320	238.36850	242.67422	3.49794	0.1486176	0.26626609	2.3929051	20	7 16.0	20.5
216673 2004 BL_{87}	16.5	X	294.06913	346.35415	153.64013	14.45093	0.1955844	0.23144271	2.6272841	20	—	—
216674 2004 BK_{106}	16.4	X	15.91556	330.54138	119.37838	13.34681	0.2373618	0.23966541	2.5668420	20	—	—
216675 2004 BV_{108}	15.8	X	136.56009	163.08853	12.20743	8.83254	0.0847916	0.20892807	2.8127957	20	8 30.3	20.0
216676 2004 CV_{1}	16.0	X	312.35120	24.10119	96.48170	14.10474	0.1470546	0.23133084	2.6281311	20	—	—
216677 2004 DK_{6}	16.2	X	184.05793	129.06536	152.63420	16.95640	0.1727131	0.23046843	2.6346833	20	—	—
216678 2004 DD_{46}	16.8	X	276.39065	335.86055	171.70457	12.58247	0.1201170	0.22778852	2.6553075	20	—	—
216679 2004 DC_{47}	15.9	X	261.59075	341.56967	180.01076	12.55962	0.0869247	0.22594204	2.6697546	20	—	—
216680 2004 EC_{17}	15.6	X	149.05651	89.55850	154.56023	16.09145	0.1951173	0.21512399	2.7585243	20	12 4.9	20.6
216681 2004 EX_{93}	16.4	X	275.73474	33.13241	61.25976	3.07602	0.1793053	0.21866180	2.7286894	20	10 15.4	19.7
216682 2004 FN_{137}	16.3	X	233.19543	87.87220	143.28346	23.97640	0.2450844	0.22731664	2.6589810	20	—	—
216683 2004 GT_{3}	16.1	X	177.38316	4.82068	200.76548	11.42097	0.0503566	0.21431434	2.7654675	20	11 20.1	20.1
216684 2004 GF_{5}	15.5	X	96.95645	208.68262	89.46768	9.06625	0.2008841	0.21080016	2.7961176	20	12 22.3	20.1
216685 2004 GM_{45}	16.5	X	197.12447	348.42294	217.83991	4.21052	0.0577168	0.21911543	2.7249220	20	12 12.7	20.4
216686 2004 GW_{57}	16.7	X	26.68546	234.94920	139.26199	2.55572	0.0904739	0.21655521	2.7463568	20	12 28.4	20.2
216687 2004 GB_{61}	16.1	X	182.26070	97.32831	201.51196	10.68592	0.1790696	0.22503929	2.6768897	20	—	—
216688 2004 GA_{82}	16.1	X	213.83606	67.02145	80.91967	9.75204	0.1012257	0.21119300	2.7926491	20	10 18.6	20.3
216689 2004 HM_{1}	16.9	X	142.29138	159.63873	151.94649	4.15902	0.5300914	0.21392723	2.7688026	20	1 5.5	22.2
216690 2004 HM_{11}	16.0	X	105.97077	98.55790	187.21858	7.44197	0.2011468	0.21065306	2.7974191	20	12 15.7	20.8
216691 2004 HM_{30}	15.3	X	77.35960	309.09521	216.48830	8.45490	0.0818339	0.18857194	3.0117436	20	6 3.7	19.4
216692 2004 HW_{50}	15.3	X	161.36952	205.33770	60.40695	28.21650	0.1765782	0.21826950	2.7319580	20	—	—
216693 2004 NM_{7}	15.9	X	1.93826	165.00908	140.42947	11.91169	0.2277682	0.18726896	3.0256975	20	8 30.0	18.8
216694 2004 OO_{5}	17.0	X	286.32528	279.55328	87.85125	22.56537	0.0850455	0.36840544	1.9271641	20	8 4.1	18.9
216695 2004 QY_{4}	17.1	X	8.03295	114.32133	165.96130	22.91670	0.0532295	0.36733132	1.9309191	20	8 8.2	19.1
216696 2004 QB_{7}	15.2	X	313.97034	258.23358	107.74408	10.60813	0.1045652	0.18427755	3.0583541	20	8 23.9	19.1
216697 2004 QX_{17}	15.2	X	355.91588	42.63849	295.08202	12.39598	0.2873745	0.18268277	3.0761275	20	9 27.9	18.3
216698 2004 RW_{142}	14.6	X	12.19652	352.52267	246.52563	13.44181	0.1808508	0.17346437	3.1841672	20	6 9.9	18.1
216699 2004 RC_{154}	15.1	X	30.87681	324.82963	300.95380	12.28427	0.0431917	0.17855195	3.1233907	20	8 2.8	19.3
216700 2004 RH_{155}	15.8	X	301.10491	120.21469	176.77579	14.85651	0.1898095	0.17176410	3.2051457	20	4 22.0	20.2
216701 2004 RW_{162}	15.1	X	315.06130	53.05926	293.72737	9.90934	0.1150304	0.17721575	3.1390712	20	7 25.4	19.0
216702 2004 RO_{174}	16.6	X	290.70228	339.53813	261.90585	6.21981	0.0683162	0.28605742	2.2812204	20	1 28.9	19.6
216703 2004 RD_{175}	15.1	X	316.05537	72.15409	285.48044	9.23321	0.0395696	0.18233685	3.0800168	20	8 15.5	19.4
216704 2004 RQ_{210}	14.7	X	303.79357	99.78236	262.98967	12.65565	0.0623367	0.17940469	3.1134855	20	8 1.1	19.0
216705 2004 RU_{252}	17.2	X	24.11157	3.76169	226.75316	19.46349	0.0457207	0.36212799	1.9493717	20	6 11.3	19.1
216706 2004 TU_{240}	15.1	X	12.23723	31.91622	283.88913	9.39509	0.2619860	0.18320734	3.0702529	20	10 2.7	18.6
216707 2004 XP_{164}	17.5	X	309.15270	310.65725	126.83656	22.69343	0.4124445	0.30672418	2.1775629	20	—	—
216708 2004 YZ_{19}	17.6	X	57.03284	123.04843	265.01841	1.03681	0.1216225	0.31708994	2.1298437	20	—	—
216709 2005 AH_{60}	17.6	X	240.14649	118.78731	350.12842	0.15779	0.1055836	0.29805538	2.2195831	20	10 9.1	19.9
216710 2005 CC_{14}	17.5	X	106.94340	76.25480	91.26871	3.25041	0.1083413	0.28045976	2.3114740	20	7 21.7	20.4
216711 2005 CD_{51}	17.4	X	42.41355	2.55832	209.35562	1.83856	0.1724946	0.27317219	2.3524030	20	7 2.2	19.6
216712 2005 EN_{1}	17.0	X	55.03468	132.43484	96.00647	1.23688	0.1295580	0.27711223	2.3300519	20	8 10.9	19.5
216713 2005 EX_{7}	17.0	X	6.09704	310.58825	170.89650	7.18027	0.1330965	0.25146565	2.4858997	20	—	—
216714 2005 EQ_{26}	17.5	X	76.55464	350.05503	185.74758	1.39674	0.1254120	0.27361361	2.3498722	20	6 24.9	20.3
216715 2005 EN_{31}	17.4	X	30.77029	179.45242	359.23617	0.28977	0.1677623	0.26707471	2.3880726	20	4 14.1	19.2
216716 2005 EK_{58}	16.9	X	180.75030	280.11450	181.77153	6.95204	0.0540970	0.27956913	2.3163805	20	7 15.3	20.1
216717 2005 EJ_{86}	17.1	X	44.59447	62.93605	130.55479	3.59074	0.1556463	0.26927956	2.3750192	20	6 4.9	19.4
216718 2005 EN_{125}	17.0	X	38.03824	26.21478	181.33897	6.85457	0.0515703	0.26967551	2.3726939	20	5 31.7	19.7
216719 2005 EQ_{156}	17.0	X	109.69789	79.04621	68.61843	5.85418	0.1590739	0.27757454	2.3274640	20	7 2.7	20.2
216720 2005 EW_{198}	17.3	X	333.92639	30.12247	211.46159	1.96228	0.1666602	0.26146055	2.4221364	20	3 21.6	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216721 2005 EX_{199}	15.2	X	53.15549	257.32826	263.53154	8.65132	0.0509555	0.19880084	2.9075280	20	4 16.9	19.2
216722 2005 EC_{286}	15.8	X	28.03445	248.99243	45.59972	22.57441	0.2993283	0.27945008	2.3170383	20	11 4.3	18.5
216723 2005 GX_{9}	16.8	X	336.71409	157.99810	78.45437	5.95524	0.1558883	0.26143931	2.4222676	20	3 25.2	19.3
216724 2005 GD_{21}	17.4	X	319.73242	61.58019	210.75804	5.73653	0.2008297	0.26252290	2.4155976	20	4 4.9	19.9
216725 2005 GV_{43}	17.1	X	16.27959	341.55002	296.56430	2.55929	0.1989175	0.27309972	2.3528191	20	8 29.7	19.0
216726 2005 GY_{50}	15.4	X	299.94941	224.42675	83.87180	23.92207	0.2172321	0.26302393	2.4125290	20	5 5.0	18.7
216727 2005 GE_{69}	15.9	X	43.06345	195.22579	67.34140	23.92918	0.1473797	0.27659833	2.3329370	20	10 1.7	19.4
216728 2005 GC_{97}	17.1	X	248.85279	248.57218	59.64846	3.14921	0.2049235	0.25454283	2.4658243	20	3 1.6	21.1
216729 2005 GT_{115}	16.5	X	227.58232	209.50986	41.64801	5.15928	0.1102401	0.24386596	2.5372811	20	—	—
216730 2005 GE_{123}	17.2	X	1.02737	189.33164	92.82619	2.26952	0.1734627	0.26978497	2.3720521	20	7 30.1	18.8
216731 2005 GG_{156}	16.3	X	251.41762	303.17473	193.70523	4.18183	0.2168264	0.23161064	2.6260141	20	11 2.0	19.6
216732 2005 GA_{169}	16.5	X	137.78808	228.71561	207.43007	6.92253	0.0847376	0.26287403	2.4134461	20	4 20.6	19.9
216733 2005 HN_{2}	17.0	X	349.37794	120.63799	54.34344	1.81811	0.1293940	0.25423590	2.4678086	20	1 20.6	19.7
216734 2005 JP_{15}	16.9	X	208.29505	40.54557	217.03235	4.63581	0.1122495	0.23847768	2.5753577	20	—	—
216735 2005 JN_{23}	17.8	X	33.06266	62.45573	104.12837	1.53811	0.1526147	0.26252410	2.4155902	20	3 31.1	19.9
216736 2005 JU_{30}	16.0	X	150.58957	90.84811	215.67723	14.44507	0.1114933	0.23628301	2.5912803	20	—	—
216737 2005 JK_{83}	16.7	X	43.53709	345.33765	110.68195	2.38093	0.1023545	0.24713077	2.5148852	20	1 6.5	19.3
216738 2005 JA_{90}	16.8	X	256.28039	115.85205	198.26495	3.00700	0.1866954	0.25541492	2.4602083	20	3 15.0	20.5
216739 2005 JH_{128}	16.7	X	4.39905	156.19354	95.46026	5.66309	0.1440494	0.26444586	2.4038731	20	6 13.3	18.6
216740 2005 JR_{154}	16.8	X	348.17106	327.15383	228.01237	1.37282	0.1462314	0.25569538	2.4584089	20	2 12.3	19.2
216741 2005 KG_{11}	15.7	X	151.29199	198.91926	108.91531	34.25299	0.1740624	0.23236257	2.6203458	20	—	—
216742 2005 LX_{5}	16.1	X	228.47620	181.18348	94.24719	14.53609	0.1666880	0.24178028	2.5518519	20	1 6.1	20.2
216743 2005 LC_{45}	16.2	X	188.50401	144.21089	203.56353	11.85240	0.2157549	0.24510707	2.5287088	20	2 24.4	20.7
216744 2005 MN_{16}	15.9	X	162.89454	358.24513	202.77895	16.49696	0.1233193	0.22079786	2.7110622	20	10 27.5	20.2
216745 2005 MG_{47}	16.4	X	146.22929	231.32866	100.37428	13.73100	0.2575122	0.22814353	2.6525522	20	1 9.9	20.7
216746 2005 NR_{3}	16.2	X	116.18949	280.76878	130.74065	12.26302	0.0026274	0.23912355	2.5707182	20	2 12.1	19.4
216747 2005 NC_{10}	17.0	X	155.52359	152.15337	136.83413	1.69733	0.1194639	0.22646331	2.6656563	20	—	—
216748 2005 NT_{12}	16.0	X	215.62821	120.91843	176.25044	8.14785	0.1281655	0.24204615	2.5499829	20	1 19.7	20.1
216749 2005 NR_{39}	16.0	X	143.13828	172.27296	97.53841	16.50224	0.1160152	0.22105313	2.7089746	20	12 29.4	20.1
216750 2005 NR_{60}	16.3	X	267.75499	173.89671	163.13135	4.53902	0.1953604	0.25251316	2.4790201	20	4 26.8	19.8
216751 2005 ON_{31}	15.4	X	278.05936	184.95824	125.92208	11.61728	0.0623383	0.18365821	3.0652259	20	4 30.2	19.9
216752 2005 PR_{23}	15.9	X	320.06636	204.05178	157.12718	10.52380	0.1092939	0.19658673	2.9293184	20	8 25.5	19.4
216753 2005 QG_{31}	16.7	X	78.66070	223.92223	84.95022	2.71860	0.1867372	0.21257290	2.7805505	20	12 18.1	20.9
216754 2005 QO_{68}	17.0	X	146.25705	258.61881	38.61872	5.40525	0.1857705	0.28978121	2.2616353	20	—	—
216755 2005 QF_{83}	15.6	X	45.71515	117.06857	185.05610	5.76954	0.0530462	0.20147373	2.8817553	20	10 15.2	19.5
216756 2005 QU_{127}	16.2	X	156.51068	61.42608	154.03267	14.92915	0.0887400	0.20690877	2.8310668	20	11 9.8	20.8
216757 Vasari	15.4	X	273.26536	114.16430	219.06582	10.71764	0.0905114	0.17916531	3.1162582	20	5 14.2	19.7
216758 2005 SX_{36}	16.4	X	111.08267	151.48458	176.14883	1.86448	0.0527238	0.21526419	2.7573265	20	—	—
216759 2005 SG_{45}	15.8	X	274.08428	79.31812	251.33663	1.98228	0.1123667	0.17794837	3.1304496	20	5 8.1	20.3
216760 2005 SC_{74}	16.2	X	38.88573	52.73584	185.60706	1.84143	0.1174713	0.18695268	3.0291091	20	7 19.8	20.1
216761 2005 SD_{124}	15.3	X	37.56371	26.85069	185.39402	11.33128	0.0326749	0.17969364	3.1101470	20	6 4.3	19.7
216762 2005 SU_{134}	15.6	X	155.39399	146.71615	190.69249	10.91009	0.2439480	0.22344336	2.6896210	20	1 21.4	20.3
216763 2005 SW_{160}	16.2	X	318.26851	116.25581	194.27193	11.04798	0.0751736	0.18418120	3.0594206	20	6 17.2	20.4
216764 2005 TF_{99}	16.1	X	103.27526	67.89964	241.22306	6.45288	0.2112304	0.21446847	2.7641424	20	—	—
216765 2005 TG_{99}	15.3	X	249.24312	127.11320	226.16947	9.33098	0.0587531	0.18000540	3.1065548	20	5 14.4	19.7
216766 2005 UK_{69}	15.1	X	303.36748	72.14525	232.04244	9.35080	0.1957403	0.17836106	3.1256189	20	4 29.8	19.3
216767 2005 UV_{159}	16.1	X	128.54659	203.45223	106.32791	3.73522	0.1465648	0.21448035	2.7640404	20	—	—
216768 2005 UL_{199}	15.8	X	62.85555	48.86624	178.02442	1.45721	0.1155476	0.18082556	3.0971543	20	8 7.3	20.1
216769 2005 UD_{382}	15.0	X	247.49985	241.81105	116.75615	11.40543	0.1026974	0.17754590	3.1351786	20	5 17.2	19.8
216770 2005 VX_{4}	15.9	X	290.44756	266.57702	109.55566	1.48012	0.3562750	0.18641091	3.0349754	20	6 20.0	19.8
216771 2005 WC_{45}	15.1	X	202.95081	283.34728	247.74257	0.74797	0.0437106	0.12465901	3.9687486	20	10 21.9	20.8
216772 2005 WY_{74}	15.9	X	42.48873	319.16463	290.56189	4.04284	0.1134957	0.18133087	3.0913978	20	8 8.0	20.0
216773 2006 BR_{8}	16.6	X	33.12584	34.52878	174.37619	29.04196	0.3290594	0.35651744	1.9697700	20	7 15.8	18.8
216774 2006 HK_{31}	17.2	X	116.82243	43.04812	211.35723	4.88839	0.1530829	0.30894221	2.1671280	20	12 2.4	20.4
216775 2006 HX_{38}	15.0	X	240.69227	87.44496	72.15834	10.39566	0.0489428	0.17530498	3.1618399	20	11 28.9	19.3
216776 2006 JC_{80}	17.6	X	51.26752	155.79704	174.23107	6.29791	0.1291780	0.29903969	2.2147098	20	12 28.4	20.6
216777 2006 QV_{18}	17.1	X	284.53510	101.95170	206.65403	0.61649	0.1935981	0.26858727	2.3790985	20	4 6.4	20.2
216778 2006 QG_{25}	16.1	X	91.39648	200.69040	147.88454	10.84704	0.1119087	0.23478979	2.6022553	20	—	—
216779 2006 QL_{26}	17.5	X	0.28156	78.59880	245.10720	5.50626	0.1535428	0.28464519	2.2887595	20	10 2.9	19.6
216780 2006 QP_{57}	17.4	X	102.48633	125.57224	182.97885	6.45690	0.2193238	0.29916871	2.2140730	20	—	—
216781 2006 QQ_{62}	17.2	X	8.23103	262.08125	65.07251	2.84371	0.2366966	0.28675611	2.2775134	20	11 10.6	19.2
216782 2006 QG_{116}	16.9	X	311.01093	151.60055	183.46535	7.02165	0.1463905	0.27495157	2.3422428	20	7 4.5	19.3
216783 2006 QO_{122}	16.0	X	332.89720	192.93436	192.77089	8.37349	0.1696976	0.21435914	2.7650822	20	10 26.6	18.8
216784 2006 QV_{182}	17.2	X	331.23435	357.71527	225.06513	1.44208	0.1538357	0.26201616	2.4187111	20	2 20.7	20.0
216785 2006 RF_{36}	17.0	X	276.45945	95.31627	243.78490	5.25571	0.1648674	0.26720888	2.3872732	20	5 12.2	19.9
216786 2006 RQ_{56}	16.8	X	39.49713	126.97535	186.40605	4.01809	0.0621110	0.28524453	2.2855523	20	11 9.2	19.4
216787 2006 RC_{66}	16.5	X	225.10475	159.92603	35.30967	2.69527	0.0183535	0.22532172	2.6746524	20	—	—
216788 2006 RQ_{90}	15.7	X	273.29724	21.63667	191.68185	9.56649	0.1147086	0.23942420	2.5685657	20	—	—
216789 2006 SU_{1}	16.8	X	207.41383	204.16992	178.12321	11.89475	0.1633532	0.26059305	2.4275089	20	4 28.1	20.7
216790 2006 SD_{15}	16.4	X	287.26477	219.89750	226.21219	4.04137	0.0580736	0.21636434	2.7479717	20	11 5.5	19.9
216791 2006 SA_{17}	16.7	X	266.08768	92.45314	225.75847	5.29728	0.1251955	0.26084931	2.4259188	20	4 5.6	20.0
216792 2006 SN_{21}	17.1	X	140.65847	359.00908	272.83467	4.39995	0.1503864	0.30264252	2.1970980	20	—	—
216793 2006 SJ_{23}	16.4	X	106.05490	300.06012	49.48892	15.02066	0.1070172	0.23484843	2.6018221	20	—	—
216794 2006 SE_{24}	15.8	X	111.15420	284.26509	74.74091	10.80038	0.1212346	0.23145959	2.6271564	20	—	—
216795 2006 SA_{50}	16.2	X	355.52326	200.43776	205.51336	1.48619	0.0792255	0.21940470	2.7225264	20	12 25.2	19.6
216796 2006 SA_{94}	17.5	X	350.38441	119.96067	171.57225	2.67229	0.2209888	0.27327814	2.3517949	20	7 20.3	18.7
216797 2006 SM_{135}	16.4	X	303.93143	217.97700	230.85058	8.59286	0.0947700	0.21907711	2.7252397	20	12 2.3	19.6
216798 2006 SG_{218}	16.4	X	146.77542	149.38604	230.99113	4.82206	0.2631779	0.24288271	2.5441243	20	3 4.8	20.6
216799 2006 SM_{218}	15.9	X	184.63869	93.18824	223.05581	14.11382	0.0642425	0.23744556	2.5828153	20	1 9.0	19.9
216800 2006 SC_{271}	17.2	X	284.08496	204.65454	126.22721	1.36111	0.1346103	0.26842590	2.3800519	20	5 16.7	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216801 2006 SW_{315}	17.5	X	302.52886	212.72931	101.47393	2.42488	0.1868774	0.26817911	2.3815119	20	5 11.8	19.9
216802 2006 SP_{358}	16.5	X	350.21926	341.70799	78.42351	3.57370	0.0950831	0.22132859	2.7067265	20	—	—
216803 2006 SA_{379}	16.6	X	192.08430	152.20137	101.57222	14.03139	0.1397148	0.22927558	2.6438137	20	—	—
216804 2006 SD_{381}	15.7	X	72.55423	19.96678	128.08061	15.11257	0.0702976	0.17832266	3.1260676	20	5 9.6	20.3
216805 2006 SU_{388}	15.6	X	43.70305	81.31873	93.46603	12.31836	0.1011132	0.18031853	3.1029574	20	5 5.9	19.7
216806 2006 SC_{390}	16.1	X	164.30275	201.88243	91.36922	15.74438	0.0832907	0.23079132	2.6322253	20	—	—
216807 2006 SE_{392}	15.7	X	82.93653	282.56477	111.05421	11.81237	0.2080148	0.23305980	2.6151171	20	1 4.4	18.4
216808 2006 TG_{11}	17.7	X	302.20843	90.17878	197.57874	0.93127	0.1840224	0.26208231	2.4183041	20	4 3.3	20.4
216809 2006 TU_{31}	16.7	X	117.35121	213.08317	185.43024	1.99132	0.1178684	0.24172821	2.5522183	20	2 11.9	20.0
216810 2006 TT_{49}	15.8	X	310.06970	355.66819	69.59984	5.58066	0.0547463	0.21367845	2.7709513	20	11 11.7	19.2
216811 2006 TK_{65}	15.0	X	66.21033	248.03983	215.82475	16.45619	0.1573341	0.17350131	3.1837152	20	3 8.1	19.4
216812 2006 TA_{118}	16.4	X	146.65011	347.36527	131.28160	11.79984	0.0498594	0.18890340	3.0082196	20	6 24.3	20.9
216813 2006 UO_{16}	15.7	X	132.25243	51.95821	68.28339	11.54409	0.0491309	0.18408629	3.0604721	20	6 8.1	20.2
216814 2006 UO_{69}	16.4	X	346.25211	158.33557	159.51181	6.27925	0.2629693	0.27625206	2.3348861	20	9 1.2	17.2
216815 2006 UM_{83}	16.3	X	92.43026	229.97933	101.66728	3.76087	0.0801015	0.22217394	2.6998562	20	—	—
216816 2006 UH_{84}	16.2	X	108.83874	145.04336	217.19456	1.03754	0.2048675	0.23332435	2.6131400	20	—	—
216817 2006 UX_{95}	16.8	X	215.25854	46.69332	136.43224	2.88910	0.0213925	0.21768568	2.7368404	20	12 10.2	20.5
216818 2006 UQ_{231}	16.3	X	90.28835	261.77825	57.44592	6.60646	0.0308712	0.22279062	2.6948718	20	12 31.2	20.1
216819 2006 UK_{253}	16.6	X	198.83302	220.10439	44.31286	5.25568	0.1303233	0.23240165	2.6200520	20	—	—
216820 2006 UP_{266}	16.3	X	68.45975	168.20362	70.42749	2.91975	0.0206672	0.19894767	2.9060972	20	8 19.2	20.2
216821 2006 UK_{285}	16.4	X	61.26638	91.44781	81.42947	2.37166	0.0409581	0.18112577	3.0937310	20	5 16.6	20.6
216822 2006 VD_{7}	16.1	X	250.44570	108.30314	203.96544	0.40021	0.0876329	0.17687669	3.1430816	20	3 22.8	20.6
216823 2006 VL_{31}	16.1	X	91.17265	314.50750	211.95871	9.51435	0.0174510	0.19118504	2.9842379	20	6 12.9	20.3
216824 2006 VZ_{56}	15.8	X	130.17737	234.94329	231.69103	9.73407	0.0470635	0.18021163	3.1041843	20	5 19.9	20.3
216825 2006 VB_{68}	15.5	X	255.41524	317.90522	67.60626	11.56765	0.0503250	0.18904590	3.0067076	20	7 3.4	19.8
216826 2006 VX_{68}	16.5	X	99.13600	301.79210	66.18434	5.75909	0.2485697	0.23101572	2.6305205	20	1 2.3	19.6
216827 2006 VE_{100}	16.3	X	356.93155	101.85783	103.65806	0.41676	0.1045669	0.17284658	3.1917499	20	3 28.9	20.3
216828 2006 VO_{100}	16.2	X	308.74087	318.69519	110.62010	4.67626	0.0814215	0.21185351	2.7868415	20	11 13.9	19.6
216829 2006 VC_{126}	16.7	X	43.57222	144.21327	235.01426	4.47730	0.0366303	0.22399816	2.6851780	20	—	—
216830 2006 VX_{130}	16.1	X	213.16188	184.44516	129.54206	5.38770	0.1458656	0.24351800	2.5396975	20	2 8.1	20.1
216831 2006 VN_{131}	17.2	X	266.76007	236.70564	88.92472	1.94408	0.2260875	0.25858122	2.4400837	20	4 6.5	20.8
216832 2006 VQ_{131}	15.4	X	141.17674	259.52054	96.44176	13.88709	0.2069215	0.23708450	2.5854369	20	1 29.7	19.4
216833 2006 VL_{150}	16.4	X	169.10668	78.77136	239.96656	2.85649	0.1161119	0.23717849	2.5847538	20	1 2.1	20.1
216834 2006 WY_{25}	15.6	X	81.16250	253.64505	241.47780	5.63711	0.0848174	0.17578754	3.1560508	20	4 30.1	20.0
216835 2006 WC_{42}	17.2	X	40.57433	194.59133	115.29206	4.20286	0.2417287	0.28366779	2.2940138	20	12 1.7	20.3
216836 2006 WW_{54}	16.6	X	303.40023	19.15570	295.74034	0.75400	0.0296622	0.18356705	3.0662406	20	6 7.3	20.8
216837 2006 WE_{110}	15.2	X	196.79590	354.99456	76.45998	15.82869	0.0743981	0.18497228	3.0506914	20	6 19.8	19.9
216838 2006 WD_{140}	15.8	X	144.23524	352.55664	80.13285	4.01788	0.0440624	0.17436011	3.1732525	20	4 25.0	20.4
216839 2006 WD_{199}	16.2	X	270.09249	45.14052	275.30769	8.30941	0.2741947	0.25816362	2.4427144	20	3 23.5	20.2
216840 2006 WN_{201}	15.4	X	217.42178	296.33504	72.15025	8.35092	0.0277534	0.17511667	3.1641063	20	4 30.9	20.1
216841 2006 XQ_{31}	15.9	X	196.33632	70.24056	254.13709	5.44847	0.2437096	0.24093435	2.5578215	20	2 5.1	20.4
216842 2006 XY_{37}	15.9	X	272.35367	242.69605	98.12576	6.37544	0.1194678	0.17899551	3.1182286	20	5 19.5	20.4
216843 2006 XE_{53}	15.6	X	129.31304	271.33494	76.41576	15.72052	0.2311753	0.22918660	2.6444979	20	1 10.6	19.6
216844 2006 XY_{65}	15.4	X	0.90277	282.13887	110.47210	15.37802	0.1917449	0.21279402	2.7786240	20	12 29.1	18.5
216845 2006 YR_{1}	16.4	X	107.67266	73.94064	287.58882	4.08997	0.0708493	0.22150364	2.7053002	20	—	—
216846 2006 YD_{7}	15.3	X	130.73092	348.99615	136.93417	10.12005	0.0627172	0.18188781	3.0850840	20	6 16.2	20.0
216847 2007 EP_{212}	12.8	X	20.43082	36.72837	153.68562	21.27364	0.0488177	0.08306205	5.2023666	20	4 24.1	19.7
216848 2007 TC_{58}	16.4	X	4.90235	307.56308	213.07307	5.90486	0.0728876	0.26058764	2.4275425	20	1 28.4	19.3
216849 2007 TX_{231}	16.7	X	20.45302	294.65323	217.84644	6.85053	0.0770609	0.26037312	2.4288757	20	2 10.1	19.6
216850 2007 UV_{128}	15.5	X	219.26201	26.97822	274.25160	7.11015	0.0672357	0.17958717	3.1113761	20	2 5.4	20.2
216851 2007 VS_{168}	16.5	X	319.70685	188.98280	60.54621	7.38923	0.0688479	0.26597656	2.3946414	20	3 28.8	19.4
216852 2007 VR_{257}	15.9	X	309.85612	29.95133	23.76424	6.08122	0.0329315	0.22374431	2.6872086	20	10 28.9	19.2
216853 2007 WK_{43}	17.0	X	203.46814	252.85196	227.68030	6.28775	0.0282907	0.29250255	2.2475858	20	9 12.6	19.8
216854 2007 XX_{9}	16.8	X	291.02398	259.22619	84.65729	23.76874	0.1034414	0.36162256	1.9511876	20	6 22.9	18.2
216855 2007 YW_{20}	15.9	X	166.41827	102.46470	87.65321	25.64683	0.1224991	0.21148391	2.7900875	20	10 28.8	20.8
216856 2007 YU_{61}	15.9	X	15.35025	118.66993	126.32547	11.81364	0.1598218	0.18381744	3.0634555	20	6 24.1	19.4
216857 2008 AF_{24}	16.9	X	110.75550	101.63957	86.86471	3.38065	0.0652231	0.27427013	2.3461208	20	8 20.7	19.9
216858 2008 AL_{85}	16.8	X	189.88751	183.44422	99.35557	4.04076	0.0330498	0.23565206	2.5959035	20	—	—
216859 2008 AP_{101}	15.7	X	56.90564	83.07239	113.66546	11.70765	0.1034426	0.18423318	3.0588451	20	6 19.9	19.9
216860 2008 BX_{18}	15.5	X	32.77142	72.53296	144.84209	10.91196	0.0803207	0.18496897	3.0507278	20	6 9.5	19.6
216861 2008 BF_{35}	15.9	X	314.87579	182.20056	152.29658	1.52082	0.0794465	0.18917463	3.0053435	20	7 13.9	19.7
216862 2008 BK_{35}	16.0	X	326.90403	155.17753	151.02934	9.89349	0.2078351	0.26220244	2.4175654	20	6 13.3	18.2
216863 2008 BF_{44}	15.9	X	105.32591	59.80796	63.86879	7.80716	0.0929361	0.18240242	3.0792786	20	5 17.7	20.3
216864 2008 BG_{44}	15.8	X	244.61695	150.51585	97.34918	15.82606	0.0743115	0.23908141	2.5710203	20	—	—
216865 2008 BH_{46}	16.4	X	115.53390	222.98157	159.26473	11.63008	0.1748023	0.23751668	2.5822997	20	1 27.9	20.0
216866 2008 CY_{169}	16.5	X	129.42126	134.66052	179.12564	7.73139	0.2444108	0.22245942	2.6975459	20	—	—
216867 2008 CP_{197}	16.1	X	340.89486	72.55159	234.51862	2.46237	0.0609686	0.18928550	3.0041699	20	7 17.7	20.0
216868 2008 DT_{9}	16.4	X	258.06828	343.00866	131.87827	6.21922	0.0235190	0.21322143	2.7749094	20	11 9.1	20.2
216869 2008 DR_{24}	15.5	X	312.76356	150.04716	157.91329	9.12826	0.0700413	0.18189355	3.0850191	20	6 7.6	19.7
216870 2008 DL_{44}	16.1	X	276.54455	10.96253	160.10508	13.74128	0.1302386	0.22118893	2.7078658	20	—	—
216871 2008 DV_{68}	16.2	X	40.26966	117.75466	114.44473	3.00360	0.1420876	0.17771725	3.1331630	20	7 16.9	20.1
216872 2008 DB_{81}	15.6	X	164.23682	287.05543	169.14496	13.00855	0.1159087	0.18286814	3.0740483	20	6 17.8	20.7
216873 2008 DA_{84}	16.0	X	190.43667	162.92936	109.86838	9.30609	0.1018866	0.22388183	2.6861081	20	—	—
216874 2008 EC_{6}	16.2	X	315.49335	324.98188	102.79706	7.83349	0.0599999	0.21390193	2.7690210	20	11 23.7	19.7
216875 2008 EF_{40}	15.1	X	270.45237	132.09302	198.61357	17.81331	0.1398500	0.17254567	3.1954597	20	5 1.9	19.8
216876 2008 EL_{54}	13.1	X	302.42778	108.08577	175.38469	12.16187	0.1699206	0.08239906	5.2302352	20	4 14.9	19.7
216877 2008 FS_{54}	13.8	X	277.25225	204.11848	99.27285	2.24880	0.1008024	0.08157398	5.2654435	20	4 16.1	20.7
216878 2008 FL_{60}	15.4	X	5.09748	150.10566	147.36719	8.72298	0.2446788	0.17937235	3.1138598	20	8 24.6	18.4
216879 2008 FS_{76}	15.8	X	297.05880	102.48345	188.26883	2.80709	0.1236605	0.17197605	3.2025118	20	4 16.3	20.1
216880 2008 FF_{118}	15.7	X	225.13924	211.86700	169.59450	9.42727	0.1391301	0.17468855	3.1692738	20	5 17.1	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216881 2008 GA_{32}	13.4	X	264.27319	137.28502	189.75778	22.84872	0.0595435	0.08320951	5.1962184	20	5 4.5	20.5
216882 2008 KE	15.9	X	16.97829	130.76055	226.32557	1.24704	0.0501963	0.19812234	2.9141624	20	11 13.9	19.8
216883 2008 QG_{41}	13.1	X	299.32053	229.56393	183.51734	7.77139	0.0875389	0.08310937	5.2003918	20	9 15.0	19.8
216884 2008 SR_{5}	16.3	X	318.30521	238.53477	66.86962	5.03636	0.2494703	0.23402213	2.6079430	20	5 16.2	18.9
216885 2008 SD_{268}	15.9	X	62.94753	140.22895	198.97066	10.54510	0.1126176	0.17596691	3.1539057	20	12 21.9	20.6
216886 2008 US_{47}	15.5	X	82.62725	347.63003	31.80799	5.54541	0.1530412	0.18386098	3.0629718	20	—	—
216887 2008 UR_{83}	15.9	X	159.43081	256.31903	225.67006	11.93029	0.1551368	0.21833673	2.7313971	20	7 13.9	20.5
216888 Sankovich	15.6	X	244.12907	201.32101	255.41587	12.06467	0.2438866	0.23150290	2.6268288	20	8 22.5	19.8
216889 2008 YW_{17}	16.7	X	174.08487	273.01915	129.56257	2.40607	0.0942725	0.19909504	2.9046631	20	4 22.0	21.1
216890 2008 YL_{91}	15.8	X	44.92689	299.64046	286.39866	7.63621	0.0916102	0.20950344	2.8076434	20	7 10.5	19.1
216891 2009 DN_{43}	13.1	X	182.11925	277.43173	112.15806	14.14469	0.0356827	0.08234080	5.2327017	20	4 24.1	20.3
216892 2009 DS_{83}	16.2	X	184.86100	313.19773	22.79814	4.14043	0.1494135	0.25488665	2.4636064	20	2 9.1	20.1
216893 2009 DP_{111}	16.1	X	66.18433	246.19698	38.41883	13.00786	0.1395057	0.22465039	2.6799782	20	11 2.8	19.9
216894 2009 FK_{2}	15.8	X	203.27792	122.50224	104.71569	5.44426	0.2735882	0.23126437	2.6286347	20	12 24.3	20.1
216895 2009 HQ_{28}	16.4	X	219.92117	325.25115	231.25481	8.09720	0.2116464	0.22885227	2.6470729	20	12 9.7	20.2
216896 2009 HQ_{54}	15.8	X	111.89761	223.27198	91.55677	13.58859	0.2709979	0.21809065	2.7334514	20	—	—
216897 Golubev	15.1	X	334.30062	175.28068	70.28547	11.46005	0.0412621	0.18105289	3.0945612	20	4 23.7	19.3
216898 2009 HJ_{84}	13.0	X	238.82809	258.71349	85.91647	16.30121	0.0375946	0.08530528	5.1107594	20	5 2.9	20.0
216899 2009 HL_{84}	16.2	X	100.77412	221.86838	95.51102	10.26712	0.1487272	0.21945191	2.7221359	20	—	—
216900 2009 HV_{84}	15.6	X	357.68899	143.03745	152.02950	12.64747	0.0712802	0.19182199	2.9776281	20	7 27.1	19.5
216901 2009 HO_{88}	17.2	X	156.21347	0.46433	233.20439	3.64681	0.1320075	0.30724766	2.1750888	20	12 14.4	20.3
216902 2009 HA_{92}	17.2	X	128.25181	22.75892	229.39322	3.75084	0.1022457	0.30406594	2.1902358	20	12 9.8	20.1
216903 2009 HD_{94}	16.0	X	231.84846	10.18522	232.58125	4.57187	0.2042980	0.23639072	2.5904930	20	—	—
216904 2009 HP_{95}	17.0	X	354.92972	35.34873	203.99937	1.07313	0.1420513	0.27118457	2.3638835	20	5 2.6	18.8
216905 2009 HR_{95}	16.1	X	322.59180	151.14773	122.77728	2.38904	0.1327042	0.17801551	3.1296624	20	4 30.3	20.1
216906 2009 HX_{96}	15.9	X	42.71662	91.55636	143.51081	9.93111	0.1496009	0.18909144	3.0062249	20	7 25.9	19.7
216907 2009 JG	15.7	X	207.89798	191.62956	78.90751	15.33967	0.0753361	0.23645583	2.5900175	20	—	—
216908 2009 JQ	15.5	X	192.02333	77.27340	227.68314	13.55833	0.1926427	0.23739774	2.5831621	20	1 8.5	20.0
216909 2009 JB_{1}	15.8	X	203.84744	157.49285	81.71787	14.63917	0.1035752	0.22943177	2.6426137	20	—	—
216910 Vnukov	15.4	X	259.85300	122.03600	127.29253	12.96342	0.2108070	0.24395832	2.5366407	20	—	—
216911 2009 KJ_{4}	17.0	X	342.55177	263.95892	38.18677	7.82454	0.2020142	0.27342460	2.3509550	20	7 20.6	18.7
216912 2009 KW_{7}	17.8	X	26.14252	24.86708	225.50586	5.63524	0.1006885	0.27996476	2.3141977	20	7 20.1	20.2
216913 4533 $P–L$	16.2	X	58.53677	187.78859	174.70710	11.15222	0.1795574	0.21723350	2.7406370	20	—	—
216914 1084 $T–2$	17.1	X	292.72142	102.48507	221.88821	1.26442	0.2249575	0.26918016	2.3756038	20	5 4.3	19.8
216915 1194 $T–2$	16.8	X	62.01561	177.49751	180.76881	8.09054	0.3113628	0.21442455	2.7645198	20	—	—
216916 1159 $T–3$	15.2	X	101.15028	109.97069	233.84629	12.89876	0.1745840	0.21277751	2.7787676	20	—	—
216917 1990 TH_{1}	17.5	X	181.59576	112.62759	204.97141	26.93464	0.2310447	0.41189129	1.7890163	20	—	—
216918 1995 UT_{23}	16.4	X	33.48207	83.03498	235.58307	4.85468	0.2332652	0.27845482	2.3225562	20	12 2.2	19.3
216919 1996 AK_{8}	14.5	X	8.68772	359.48804	300.02564	24.20164	0.1900571	0.18238378	3.0794884	20	8 19.4	18.2
216920 1996 GW_{9}	16.2	X	34.66796	40.92321	187.28756	5.08090	0.1187107	0.17000166	3.2272599	20	6 28.8	20.4
216921 1996 VC_{3}	16.3	X	98.35409	220.92735	96.22806	4.79863	0.0900804	0.25413919	2.4684346	20	—	—
216922 1997 MZ_{7}	15.7	X	126.40700	118.79133	298.32369	9.48669	0.0860115	0.19940848	2.9016185	20	3 13.2	20.0
216923 1998 DM_{12}	17.3	X	189.38556	51.52415	140.49674	5.85691	0.0962128	0.29117225	2.2544264	20	11 28.1	20.3
216924 1998 QV_{53}	16.9	X	334.94903	181.32707	140.32872	3.89217	0.1415822	0.26741056	2.3860727	20	8 3.0	18.8
216925 1998 QE_{72}	14.9	X	337.81099	50.18181	271.24686	15.04423	0.2092971	0.17611115	3.1521834	20	7 21.2	18.2
216926 1998 QR_{88}	16.1	X	291.45352	140.27863	228.24174	7.96631	0.2261620	0.26484205	2.4014751	20	7 5.0	18.8
216927 1998 QQ_{89}	16.4	X	340.36208	54.81594	289.36743	7.54776	0.1369233	0.26884162	2.3775977	20	9 16.2	18.8
216928 1998 QB_{98}	14.5	X	11.79034	343.94581	344.95906	16.69056	0.2105413	0.17983678	3.1084964	20	10 9.6	18.2
216929 1998 QR_{99}	17.0	X	284.84456	240.75546	122.79873	3.31982	0.2293970	0.26372840	2.4082309	20	6 17.8	19.9
216930 1998 SD_{69}	17.0	X	265.79062	2.23693	302.93941	7.41888	0.2191810	0.30217716	2.1993531	20	3 3.8	20.3
216931 1998 UM_{16}	16.1	X	238.05497	190.41254	199.60953	5.33415	0.2080866	0.25727787	2.4483176	20	6 1.7	19.8
216932 1998 VM_{2}	16.5	X	274.31857	338.16482	25.03134	1.70434	0.2036450	0.25963818	2.4334570	20	6 6.4	19.7
216933 1998 YP_{21}	15.7	X	56.69374	351.73896	297.34009	12.85990	0.1372445	0.21288332	2.7778468	20	10 19.9	19.8
216934 1999 KT_{19}	15.1	X	356.89131	345.21369	203.72473	17.12535	0.1399615	0.18287629	3.0739570	20	2 28.4	19.1
216935 1999 RJ_{43}	16.8	X	153.28077	340.46930	11.39323	7.46941	0.1096460	0.25698613	2.4501703	20	1 25.3	20.3
216936 1999 RS_{126}	17.0	X	77.79316	110.89512	224.15694	5.62761	0.1889900	0.29544969	2.2326142	20	—	—
216937 1999 RP_{137}	16.8	X	91.38970	178.93337	169.84149	5.09196	0.2000166	0.29811939	2.2192654	20	—	—
216938 1999 RU_{204}	15.4	X	14.31263	81.63303	283.15440	11.03640	0.1834030	0.19215118	2.9742263	20	12 5.8	19.2
216939 1999 SQ_{13}	17.1	X	49.84789	116.82585	195.04935	1.72445	0.2134486	0.28562160	2.2835403	20	12 10.6	20.2
216940 1999 TM_{16}	15.2	X	352.49083	106.02583	238.21473	10.04388	0.0359800	0.18361317	3.0657271	20	9 16.9	19.6
216941 1999 TX_{20}	17.2	X	25.20477	107.33742	246.72588	3.02498	0.2081561	0.28755269	2.2733053	20	—	—
216942 1999 TF_{58}	15.4	X	316.61057	160.27385	207.06803	8.02027	0.1514101	0.18125476	3.0922631	20	8 19.1	19.1
216943 1999 TZ_{60}	16.1	X	35.36068	340.86520	336.94335	4.30107	0.1616424	0.19135371	2.9824840	20	11 1.7	20.0
216944 1999 TC_{61}	17.8	X	96.19883	93.09436	199.18013	4.75199	0.1767035	0.29219576	2.2491588	20	12 27.7	21.3
216945 1999 TA_{108}	15.2	X	7.93400	76.44063	259.21736	10.21247	0.2243303	0.18979108	2.9988324	20	10 19.8	18.6
216946 1999 TN_{236}	17.5	X	25.35210	257.83023	103.17011	3.92234	0.2567256	0.28782832	2.2718537	20	—	—
216947 1999 TM_{258}	17.3	X	69.73286	70.93015	259.35745	2.60220	0.2665546	0.29259285	2.2471233	20	—	—
216948 1999 TV_{322}	14.9	X	49.10007	353.03282	299.72725	14.72881	0.0656911	0.18635129	3.0356226	20	9 27.7	19.5
216949 1999 UA_{63}	15.2	X	273.62742	119.34697	305.58015	30.40025	0.2562141	0.23054094	2.6341308	20	8 12.5	18.8
216950 1999 VF_{46}	16.6	X	25.99680	305.90518	31.80268	12.18249	0.2146070	0.28490852	2.2873490	20	12 15.5	19.7
216951 1999 VV_{94}	15.5	X	248.68922	213.86586	213.93002	8.27101	0.1286545	0.18017466	3.1046090	20	8 4.1	20.2
216952 1999 VS_{102}	15.3	X	208.94198	240.76967	225.73964	9.26132	0.0638394	0.17867094	3.1220038	20	8 13.7	20.1
216953 1999 VS_{172}	15.4	X	312.92727	83.56608	297.22131	4.57356	0.1854258	0.18015083	3.1048827	20	8 28.2	19.1
216954 1999 XG_{44}	17.1	X	17.94154	102.06934	267.68900	3.92529	0.2669698	0.28683591	2.2770909	20	—	—
216955 1999 XB_{46}	16.5	X	359.72010	120.51029	258.46785	5.56432	0.2382370	0.28489055	2.2874452	20	—	—
216956 1999 XN_{72}	14.6	X	271.76991	143.17952	257.42723	10.58021	0.2156806	0.17605345	3.1528721	20	7 16.6	19.2
216957 1999 XH_{225}	17.1	X	348.88698	252.03152	92.86289	3.32792	0.2334371	0.27472794	2.3435137	20	10 26.2	18.7
216958 2000 AK_{24}	16.6	X	318.49802	106.57107	301.40281	5.64709	0.1857624	0.27912426	2.3188411	20	11 18.4	18.3
216959 2000 AG_{26}	16.4	X	239.04924	155.70939	288.07613	2.77903	0.1437643	0.27145464	2.3623153	20	8 21.8	19.4
216960 2000 AD_{51}	14.5	X	324.07273	86.55352	309.08962	12.41332	0.2509531	0.18114653	3.0934947	20	9 29.5	17.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
216961 2000 AW_{195}	15.8	X	213.71731	319.05808	156.99440	10.80065	0.1946775	0.22171899	2.7035482	20	8 26.7	20.2
216962 2000 AW_{227}	16.9	X	352.96829	138.87445	139.48963	24.32264	0.0653651	0.35591302	1.9719995	20	7 8.9	18.9
216963 2000 BX_{36}	16.8	X	296.79307	47.39131	325.95372	0.59714	0.1874298	0.26865476	2.3787001	20	7 31.5	18.8
216964 2000 CG_{31}	16.2	X	248.81654	99.24884	310.53318	5.93009	0.1132026	0.26587975	2.3952225	20	7 23.1	19.2
216965 2000 DH_{58}	16.0	X	214.10442	278.06695	172.67762	11.47493	0.1796544	0.21606675	2.7504943	20	7 25.4	20.6
216966 2000 EW_{4}	15.9	X	46.48885	24.34699	333.88490	10.96156	0.1074618	0.18112526	3.0937368	20	12 27.7	20.4
216967 2000 EJ_{64}	16.8	X	354.48368	30.34415	174.05670	3.28995	0.1335293	0.24571299	2.5245500	20	3 11.9	19.5
216968 2000 EO_{80}	16.7	X	197.58924	347.90637	108.11585	3.74320	0.2060705	0.26361354	2.4089304	20	7 19.5	20.7
216969 2000 EL_{81}	16.0	X	227.53227	307.35229	147.63155	14.58521	0.1758033	0.21850781	2.7299712	20	8 15.2	20.2
216970 2000 FX_{55}	15.5	X	240.16567	71.31543	164.97165	29.67156	0.3106247	0.23094438	2.6310622	20	—	—
216971 2000 JG_{75}	17.4	X	251.46136	66.44371	162.33457	5.12170	0.3178086	0.23079745	2.6321788	20	—	—
216972 2000 KQ_{12}	16.0	X	209.64292	100.52686	237.05520	11.08455	0.2671539	0.23545098	2.5973813	20	2 27.5	20.9
216973 2000 KG_{36}	15.9	X	260.89149	131.54163	100.85612	13.01466	0.1669012	0.23089660	2.6314252	20	—	—
216974 2000 KW_{58}	15.9	X	171.50808	215.56625	93.38165	8.64208	0.3177908	0.22615634	2.6680679	20	1 7.1	20.7
216975 2000 NS_{3}	14.6	X	143.04827	82.81860	307.05196	11.60244	0.2842668	0.22551451	2.6731278	20	3 12.6	19.3
216976 2000 NO_{13}	15.0	X	71.04660	110.33625	290.24243	6.58745	0.2349411	0.21604860	2.7506484	20	1 1.8	17.9
216977 2000 OA_{1}	16.0	X	141.56103	33.38605	311.57717	8.48626	0.1900038	0.22073377	2.7115869	20	1 16.5	20.1
216978 2000 OE_{17}	16.2	X	148.97094	226.53254	117.83460	8.11849	0.3169055	0.22154471	2.7049659	20	2 1.5	20.8
216979 2000 QB_{2}	15.6	X	163.83356	111.90861	342.57520	20.86642	0.2511160	0.28376598	2.2934846	20	6 19.9	20.0
216980 2000 QU_{21}	16.3	X	153.27794	291.97081	339.81673	6.03502	0.1072059	0.26264191	2.4148678	20	—	—
216981 2000 QD_{22}	16.4	X	78.39596	154.94741	242.85297	1.05931	0.2333885	0.21516341	2.7581874	20	1 10.6	19.5
216982 2000 QU_{38}	15.2	X	145.85082	58.38354	323.60238	12.26581	0.1957046	0.22497139	2.6774284	20	3 1.6	19.6
216983 2000 QG_{51}	16.3	X	137.63548	315.68421	336.87154	1.68034	0.2268695	0.21440377	2.7646984	20	—	—
216984 2000 QX_{117}	15.6	X	119.05680	44.51749	289.13051	6.69625	0.2234140	0.21495157	2.7599993	20	—	—
216985 2000 QK_{130}	21.1	X	208.72142	66.29683	173.88078	4.72222	0.2618101	0.76833782	1.1805958	20	—	—
216986 2000 QG_{158}	15.8	X	136.46112	33.91099	301.94510	11.87610	0.1804333	0.21814144	2.7330271	20	—	—
216987 2000 QP_{162}	15.5	X	183.21412	326.66309	290.41825	11.00555	0.1058770	0.21641550	2.7475387	20	—	—
216988 2000 QR_{223}	15.9	X	160.66397	302.11666	342.72842	6.26050	0.1397652	0.21682981	2.7440376	20	—	—
216989 2000 RB_{14}	15.0	X	79.17048	120.58174	267.38181	7.79814	0.1748533	0.21515364	2.7582709	20	—	—
216990 2000 RT_{20}	16.5	X	31.72774	120.22111	213.61946	7.21562	0.1754694	0.30257781	2.1974112	20	12 17.5	19.2
216991 2000 RC_{25}	15.6	X	88.48027	70.37563	266.06082	10.82620	0.0493870	0.21062784	2.7976424	20	—	—
216992 2000 RO_{40}	15.6	X	272.97044	127.42277	219.45778	11.95798	0.1308279	0.23634601	2.5908197	20	5 25.0	19.1
216993 2000 SQ	15.9	X	316.15349	110.11580	1.73578	5.39437	0.0099611	0.20859605	2.8157796	20	—	—
216994 2000 SM_{19}	15.9	X	86.00681	63.15000	289.38360	3.52214	0.0800699	0.21128958	2.7917980	20	—	—
216995 2000 SS_{46}	15.6	X	126.50123	79.76820	254.25737	10.88183	0.1812563	0.21690026	2.7434434	20	—	—
216996 2000 SN_{48}	15.9	X	147.16447	110.94764	199.83581	13.27776	0.1978755	0.21715313	2.7413131	20	—	—
216997 2000 ST_{51}	16.4	X	70.88257	96.72482	272.12031	7.76625	0.2389058	0.21069828	2.7970188	20	—	—
216998 2000 SP_{52}	15.7	X	168.36172	30.88682	243.17716	10.02287	0.2480755	0.21713965	2.7414266	20	—	—
216999 2000 SW_{52}	16.2	X	42.54778	205.03312	209.98535	3.28767	0.1114186	0.21278515	2.7787012	20	—	—
217000 2000 SS_{92}	16.1	X	131.07722	11.53988	276.92527	8.78202	0.1001604	0.21066162	2.7973433	20	—	—
217001 2000 SX_{102}	16.3	X	90.82514	164.66459	193.05609	7.89260	0.2357553	0.21188138	2.7865972	20	—	—
217002 2000 SQ_{130}	15.4	X	55.66842	145.44565	247.42591	12.50709	0.1750204	0.21188988	2.7865226	20	—	—
217003 2000 SC_{137}	15.6	X	95.36707	146.65346	235.95355	11.00050	0.3430558	0.21458080	2.7631776	20	1 28.9	19.6
217004 2000 SX_{153}	15.6	X	201.22695	300.11189	33.83317	8.56072	0.1924551	0.22356252	2.6886652	20	2 26.7	20.2
217005 2000 SG_{254}	15.9	X	81.47304	241.08612	108.93459	4.59796	0.1022437	0.20950974	2.8075871	20	—	—
217006 2000 UU_{78}	16.3	X	274.53492	326.91893	62.28533	5.27152	0.2181422	0.23745763	2.5827277	20	7 10.8	19.6
217007 2000 WG_{39}	15.0	X	105.37989	277.48849	229.46243	12.24436	0.2340366	0.17185156	3.2040583	20	6 30.1	20.2
217008 2000 WQ_{127}	15.5	X	350.53650	115.25090	248.76873	8.55363	0.2398889	0.24493990	2.5298592	20	11 17.3	17.5
217009 2000 XG_{4}	16.1	X	260.88654	355.89257	29.73612	12.50362	0.1879306	0.23498919	2.6007830	20	6 21.6	20.0
217010 2000 XC_{19}	15.0	X	354.57215	139.38062	282.12332	14.42120	0.1573239	0.20120001	2.8843683	20	—	—
217011 2000 YN_{50}	16.4	X	29.89631	190.87187	276.88123	8.67172	0.1651166	0.25784175	2.4447468	20	—	—
217012 2000 YT_{56}	15.6	X	46.55347	270.89143	89.22329	8.18332	0.3310194	0.20050440	2.8910356	20	—	—
217013 2001 AA_{50}	18.7	X	17.73355	58.59838	306.24538	43.88137	0.1979137	0.64933686	1.3207563	20	—	—
217014 2001 BX_{1}	15.3	X	69.76042	247.96040	288.86227	21.09427	0.2871992	0.26619530	2.3933293	20	7 12.4	18.3
217015 2001 BW_{31}	14.6	X	182.68110	174.76881	318.25839	16.01831	0.0775717	0.17841975	3.1249334	20	8 19.2	19.3
217016 2001 BQ_{54}	16.0	X	102.89913	221.54781	199.15139	6.77518	0.3170472	0.21311470	2.7758358	20	3 23.3	20.1
217017 2001 DN_{49}	15.6	X	129.83488	107.24460	16.78277	9.20570	0.1857284	0.22085650	2.7105822	20	6 22.9	20.1
217018 2001 FW_{186}	17.0	X	92.80722	294.86709	280.01324	1.54708	0.1578350	0.27458506	2.3443266	20	9 12.1	20.3
217019 2001 KP_{5}	16.7	X	339.33656	55.52632	214.28809	1.54401	0.1822373	0.25867343	2.4395038	20	5 14.7	18.6
217020 2001 KS_{5}	16.2	X	319.02128	222.66727	72.20428	3.08930	0.1872821	0.25955372	2.4339849	20	5 11.6	18.4
217021 2001 KH_{51}	15.3	X	349.61061	64.57588	244.91649	25.43686	0.1802853	0.26519079	2.3993693	20	8 1.9	18.1
217022 2001 KE_{75}	16.7	X	84.03944	326.17252	221.70833	8.92938	0.1178044	0.26504780	2.4002321	20	7 18.5	20.0
217023 2001 MV_{16}	14.0	X	108.78110	305.81410	40.07983	9.50980	0.1399515	0.12513060	3.9587709	20	—	—
217024 2001 NJ_{14}	14.3	X	131.34897	64.00573	268.80109	1.27826	0.2918389	0.12561707	3.9485437	20	1 13.4	20.5
217025 2001 OK_{14}	16.0	X	220.16564	52.37841	307.82289	10.05042	0.3656444	0.24492349	2.5299723	20	3 28.9	21.1
217026 2001 OB_{56}	16.1	X	209.78196	90.13653	271.87300	6.30053	0.1636490	0.24141438	2.5544297	20	3 30.9	20.4
217027 2001 OJ_{56}	16.7	X	326.15659	68.37507	262.10505	18.07005	0.0864020	0.36169203	1.9509378	20	8 4.9	18.6
217028 2001 OK_{80}	16.5	X	202.59354	202.11973	153.99269	12.75686	0.2001741	0.24089600	2.5580930	20	3 22.4	20.8
217029 2001 OS_{91}	16.1	X	213.59091	153.19065	205.35332	14.74736	0.1452528	0.24440016	2.5335825	20	4 1.6	20.0
217030 2001 OZ_{97}	17.0	X	241.31277	215.88240	112.50240	8.28020	0.3174948	0.24521992	2.5279330	20	3 15.5	21.6
217031 2001 OM_{111}	16.6	X	261.30098	65.39343	302.18765	13.58130	0.1329860	0.25283435	2.4769201	20	6 6.0	20.2
217032 2001 PJ_{4}	13.9	X	95.65751	44.82568	318.64240	7.45092	0.1875919	0.12395149	3.9838369	20	1 4.3	19.5
217033 2001 PM_{27}	16.7	X	243.65756	34.77023	301.50916	4.43183	0.2730349	0.24564722	2.5250005	20	3 23.6	21.0
217034 2001 PM_{57}	16.0	X	198.39546	272.17758	95.79350	5.87393	0.2648376	0.24205149	2.5499454	20	4 2.6	20.6
217035 2001 PT_{62}	16.3	X	151.09995	284.72592	120.15972	6.12795	0.3029722	0.23697534	2.5862308	20	4 14.0	20.9
217036 2001 QO_{4}	16.6	X	209.60335	197.79897	158.35307	6.25457	0.2746692	0.24345041	2.5401676	20	3 25.6	21.1
217037 2001 QE_{11}	16.8	X	255.05266	341.04977	309.26380	4.74209	0.1573015	0.29500358	2.2348645	20	2 11.6	19.9
217038 2001 QB_{39}	16.7	X	229.85040	221.22323	114.27534	4.59270	0.2132220	0.24504021	2.5291688	20	3 19.1	20.9
217039 2001 QK_{43}	14.4	X	113.87377	24.82418	324.31496	1.81368	0.2557919	0.12418562	3.9788281	20	1 14.1	20.3
217040 2001 QT_{102}	16.8	X	45.50185	136.94817	140.26410	23.24912	0.1036433	0.36930621	1.9240291	20	10 29.6	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217041 2001 QH_{114}	16.8	X	238.93248	39.95104	264.35777	5.27008	0.2220227	0.24162726	2.5529291	20	2 13.9	21.1
217042 2001 QT_{126}	16.5	X	229.52598	42.84382	279.59251	9.40736	0.2502062	0.24332078	2.5410697	20	2 24.6	21.1
217043 2001 QC_{132}	16.2	X	232.33163	39.60823	280.56646	4.59698	0.1725090	0.24226693	2.5484334	20	2 29.7	20.4
217044 2001 QA_{136}	16.2	X	156.42438	94.47440	295.66197	3.25229	0.3097301	0.23525833	2.5987991	20	3 27.3	20.9
217045 2001 QM_{147}	16.0	X	168.12841	304.17845	89.60123	13.35745	0.2694963	0.23661322	2.5888688	20	4 15.4	20.8
217046 2001 QE_{152}	15.3	X	171.34467	68.63223	324.47155	30.21981	0.1951027	0.23515431	2.5995654	20	3 21.3	20.2
217047 2001 QX_{189}	15.9	X	181.18817	103.87960	262.76411	11.70214	0.2022859	0.23908811	2.5709723	20	3 9.4	20.5
217048 2001 QZ_{189}	15.7	X	260.14447	355.43116	276.37036	14.25311	0.1480567	0.23978316	2.5660017	20	1 28.5	19.8
217049 2001 QX_{191}	15.8	X	231.12876	355.59767	303.41196	12.77836	0.2630367	0.23946720	2.5682582	20	2 1.6	20.2
217050 2001 QT_{203}	15.8	X	192.80494	171.05824	124.62804	15.47756	0.0997989	0.23556884	2.5965149	20	—	—
217051 2001 QP_{234}	16.9	X	207.51000	178.48184	164.08862	11.47281	0.2115215	0.24018248	2.5631568	20	3 8.1	21.2
217052 2001 QK_{243}	15.7	X	121.20828	36.52168	352.82479	14.25124	0.1255606	0.23167628	2.6255180	20	2 12.4	19.4
217053 2001 QO_{248}	16.6	X	167.81774	204.18358	168.11695	3.43052	0.2305113	0.23505155	2.6003231	20	3 12.8	20.8
217054 2001 QY_{260}	16.8	X	183.57461	100.02653	296.68548	6.23225	0.1119224	0.29458955	2.2369580	20	4 16.4	20.1
217055 2001 QZ_{264}	16.6	X	175.31965	108.63933	198.00584	4.78828	0.2720416	0.23182180	2.6244192	20	1 3.7	21.2
217056 2001 QZ_{280}	15.8	X	68.28555	15.47766	16.37397	13.20387	0.1668064	0.22580821	2.6708094	20	—	—
217057 2001 RF_{37}	16.9	X	231.04468	31.86708	308.56816	6.21371	0.2063782	0.24461606	2.5320916	20	3 21.6	21.3
217058 2001 RU_{53}	16.7	X	229.24647	221.39473	86.61181	2.61214	0.1762864	0.24052413	2.5607290	20	2 15.4	20.8
217059 2001 RK_{75}	16.9	X	199.61156	180.37335	175.88394	6.11340	0.3206657	0.23873811	2.5734844	20	3 17.8	21.7
217060 2001 RP_{95}	16.4	X	60.48908	292.81359	164.08603	21.30964	0.2081046	0.28422221	2.2910296	20	2 8.0	18.4
217061 2001 RE_{119}	16.8	X	215.30295	208.85747	138.40165	6.32443	0.1103868	0.24199383	2.5503504	20	3 24.9	20.6
217062 2001 RS_{123}	16.6	X	167.36166	194.29835	153.64444	3.94638	0.0977651	0.23453272	2.6041566	20	2 3.7	20.3
217063 2001 RF_{134}	16.3	X	216.22139	152.90590	164.62484	12.97078	0.2079876	0.23846967	2.5754154	20	2 13.0	20.7
217064 2001 SM_{12}	16.5	X	268.94509	332.23170	293.43327	5.71619	0.1219684	0.23894093	2.5720279	20	2 4.3	20.2
217065 2001 SO_{30}	16.5	X	104.53945	277.79335	167.47537	4.82055	0.2234371	0.23405989	2.6076625	20	4 13.9	20.1
217066 2001 SB_{50}	16.4	X	173.18807	211.36866	159.23281	5.10049	0.2787832	0.23647142	2.5899036	20	3 17.1	21.0
217067 2001 SA_{67}	16.6	X	178.23169	229.14190	127.74640	4.65401	0.2952484	0.23537838	2.5979154	20	3 5.7	21.3
217068 2001 SW_{68}	16.4	X	178.39097	239.81029	138.48356	5.74227	0.3227046	0.23698248	2.5861788	20	4 1.0	21.2
217069 2001 SQ_{107}	15.5	X	195.46494	67.36546	297.47523	5.76719	0.2266708	0.23679344	2.5875551	20	3 22.2	20.0
217070 2001 SS_{127}	17.0	X	200.79383	174.01007	200.64664	1.39851	0.2076420	0.24213499	2.5493591	20	4 10.0	21.4
217071 2001 SN_{142}	16.7	X	250.12345	27.38952	267.73674	3.34776	0.2088336	0.24103166	2.5571330	20	2 13.9	20.8
217072 2001 SD_{264}	16.2	X	205.81225	67.49484	280.66313	15.54947	0.2530742	0.23996425	2.5647105	20	3 4.6	21.1
217073 2001 SB_{276}	15.1	X	169.10528	88.41496	323.28696	25.38526	0.3220783	0.23826070	2.5769210	20	4 18.8	20.5
217074 2001 SE_{276}	16.5	X	25.70385	65.48118	218.67182	20.95219	0.0662002	0.36077612	1.9542383	20	9 13.1	18.8
217075 2001 SR_{289}	16.2	X	152.24426	97.25189	295.18463	10.23501	0.2038275	0.23642786	2.5902217	20	3 16.9	20.6
217076 2001 SW_{322}	16.1	X	207.75741	77.49447	258.93832	6.27748	0.1895211	0.23846010	2.5754842	20	2 27.0	20.5
217077 2001 TT_{34}	15.7	X	137.45960	2.96908	17.77276	12.18691	0.1885743	0.22902224	2.6457630	20	2 27.6	19.9
217078 2001 TF_{38}	15.4	X	43.25991	172.43000	269.22288	9.76997	0.2795828	0.21986732	2.7187061	20	1 1.1	17.3
217079 2001 TJ_{57}	16.8	X	149.45834	153.70944	233.29353	1.18157	0.1100456	0.23451108	2.6043168	20	3 4.9	20.5
217080 2001 TG_{79}	15.5	X	164.84186	300.14160	65.54003	13.37111	0.3110995	0.23260488	2.6185257	20	3 13.3	20.5
217081 2001 TV_{120}	15.6	X	231.65796	56.77609	265.00687	11.18616	0.2355350	0.23937291	2.5689327	20	2 25.1	20.2
217082 2001 TP_{126}	17.0	X	193.81654	123.81615	221.57260	4.24949	0.1262229	0.23505239	2.6003168	20	2 26.9	21.1
217083 2001 TE_{132}	16.9	X	198.54368	348.66827	328.30784	2.79643	0.1757834	0.23443867	2.6048530	20	1 30.9	21.3
217084 2001 TK_{134}	16.2	X	188.64269	235.04571	131.31197	6.32506	0.3088052	0.23797230	2.5790026	20	3 24.7	21.0
217085 2001 TH_{236}	16.5	X	165.60419	249.92264	118.21615	8.54980	0.2162752	0.23376679	2.6098417	20	3 8.1	20.9
217086 2001 TS_{240}	16.2	X	76.84643	188.42453	243.63268	10.46600	0.0491461	0.22704669	2.6610882	20	1 22.1	19.7
217087 2001 UA_{78}	16.8	X	219.04050	141.74666	179.85279	8.72729	0.1722717	0.23797761	2.5789642	20	2 20.7	21.2
217088 2001 UO_{114}	16.2	X	192.82834	117.24967	215.78064	10.58746	0.2002200	0.23368697	2.6104360	20	2 10.6	20.9
217089 2001 VZ_{18}	16.2	X	141.33000	154.66498	225.47544	10.98282	0.1985291	0.23080223	2.6321424	20	2 22.0	20.5
217090 2001 VD_{44}	15.6	X	140.60008	160.18157	258.40606	12.70033	0.1606946	0.23202782	2.6228654	20	4 4.6	19.9
217091 2001 VX_{56}	15.8	X	199.55829	15.39493	317.96796	7.05855	0.1975945	0.23486504	2.6016995	20	2 19.2	20.3
217092 2001 VY_{64}	16.1	X	278.95015	141.28341	287.25951	4.36330	0.1606990	0.25523315	2.4613762	20	9 20.9	18.8
217093 2001 VD_{75}	15.1	X	107.84402	249.91103	224.03185	24.38564	0.3026863	0.18176498	3.0864737	20	5 30.9	20.3
217094 2001 VY_{91}	15.9	X	189.52085	165.55525	161.45185	11.71483	0.2306456	0.23121116	2.6290379	20	2 4.3	20.5
217095 2001 VO_{107}	16.9	X	187.64160	67.35258	268.81134	2.67600	0.2247862	0.23219904	2.6215759	20	2 13.6	21.4
217096 2001 VX_{122}	15.0	X	121.64698	82.05380	294.29816	29.92144	0.1558458	0.22245391	2.6975905	20	1 24.7	18.9
217097 2001 WA_{33}	16.2	X	118.38152	282.19456	116.50879	5.24396	0.1794495	0.22846728	2.6500458	20	2 25.4	19.9
217098 2001 WH_{39}	15.6	X	123.94559	168.65567	231.02893	11.93716	0.1798473	0.22781059	2.6551360	20	2 26.2	19.8
217099 2001 WH_{69}	16.6	X	171.63094	102.55297	225.68436	10.35243	0.1759214	0.22881874	2.6473314	20	1 18.8	21.1
217100 2001 XQ_{9}	16.2	X	131.37054	83.74389	296.11354	6.11487	0.1787314	0.22666163	2.6641012	20	2 13.3	20.1
217101 2001 XM_{29}	15.4	X	207.12554	164.61786	233.71220	4.80727	0.3137704	0.23869283	2.5738099	20	5 11.2	19.9
217102 2001 XM_{47}	15.6	X	143.61943	335.23178	43.70153	8.50735	0.3312983	0.22733720	2.6588207	20	3 12.3	20.4
217103 2001 XV_{67}	15.5	X	119.59241	118.88666	277.10367	10.37114	0.1949086	0.22421727	2.6834284	20	2 19.7	19.6
217104 2001 XD_{72}	16.4	X	141.20258	251.94240	105.38753	5.30513	0.1924167	0.22715284	2.6602591	20	1 30.2	20.5
217105 2001 XS_{95}	16.3	X	194.87618	74.52249	261.53267	4.56369	0.3725173	0.23405938	2.6076663	20	2 19.5	21.5
217106 2001 XG_{96}	16.5	X	105.21826	137.91403	276.97132	1.53653	0.2171567	0.22706153	2.6609723	20	3 4.6	20.1
217107 2001 XV_{136}	16.5	X	98.13260	123.30226	265.03679	0.86819	0.0813564	0.22172111	2.7035310	20	1 3.5	19.8
217108 2001 XL_{185}	16.2	X	195.16940	138.35665	232.04801	3.37490	0.3195165	0.23552520	2.5968356	20	3 30.4	21.1
217109 2001 XP_{251}	15.6	X	158.60379	107.05933	261.42203	14.43637	0.1740396	0.22774884	2.6556159	20	2 19.7	20.2
217110 2001 YR_{15}	17.5	X	61.85247	332.59229	85.44159	4.54489	0.1709101	0.27350104	2.3505170	20	—	—
217111 2001 YL_{53}	15.5	X	170.60593	64.29171	280.35684	10.34902	0.2156503	0.22722612	2.6596871	20	2 8.1	20.1
217112 2001 YQ_{99}	16.1	X	273.97896	240.39465	94.52278	18.53926	0.2539855	0.24235993	2.5477814	20	5 1.1	20.2
217113 2001 YZ_{104}	15.6	X	339.52933	115.58007	119.45617	13.99610	0.1260569	0.22831376	2.6512336	20	4 8.5	18.9
217114 2001 YH_{115}	15.3	X	171.59023	96.14842	325.47556	5.03593	0.3179074	0.23592148	2.5939269	20	5 14.2	20.2
217115 2001 YD_{117}	16.5	X	332.23488	69.44895	348.37478	2.85401	0.1626832	0.25775063	2.4453230	20	12 25.4	18.8
217116 2001 YN_{132}	15.0	X	199.61286	46.87664	312.22913	11.80184	0.3366010	0.23727462	2.5840556	20	3 15.9	20.1
217117 2001 YG_{139}	15.2	X	122.76982	124.34255	258.51031	15.21409	0.1823151	0.22299395	2.6932334	20	2 4.0	19.4
217118 2001 YD_{156}	15.0	X	95.85897	28.57761	343.80604	9.08235	0.1868582	0.21906229	2.7253626	20	—	—
217119 2002 AK_{12}	16.1	X	108.03784	72.07872	306.12487	7.65503	0.1845406	0.21901721	2.7257366	20	1 19.7	19.8
217120 2002 CN_{8}	16.5	X	110.54699	253.22917	139.24060	10.24800	0.2717326	0.22221238	2.6995448	20	2 20.8	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217121 2002 CA_{115}	14.5	X	65.26162	65.97578	147.80761	27.15160	0.1777650	0.17670328	3.1451375	20	8 2.4	19.0
217122 2002 CV_{162}	16.0	X	156.92760	280.28774	354.24287	7.87565	0.1099595	0.25778125	2.4451293	20	—	—
217123 2002 CU_{251}	16.2	X	197.09204	12.87924	20.17571	3.85391	0.2762700	0.23378308	2.6097205	20	4 28.3	20.9
217124 2002 CQ_{262}	16.2	X	22.65884	244.33991	146.06606	2.64829	0.0718706	0.20413269	2.8566761	20	—	—
217125 2002 CJ_{266}	17.6	X	53.91788	36.96571	6.95604	1.14018	0.1814233	0.26578811	2.3957731	20	—	—
217126 2002 CH_{311}	15.3	X	8.16201	135.33195	139.31537	6.95457	0.2037589	0.17549491	3.1595583	20	7 23.9	18.6
217127 2002 DE_{5}	15.4	X	211.56330	31.74603	32.13669	22.08831	0.0903883	0.23696267	2.5863230	20	6 26.3	19.6
217128 2002 DV_{15}	15.6	X	101.70493	283.37994	320.85976	10.12496	0.0892890	0.18958656	3.0009887	20	10 7.3	20.3
217129 2002 EX_{46}	16.5	X	304.59230	89.37953	47.00755	9.78793	0.1781270	0.25780645	2.4449700	20	—	—
217130 2002 EH_{103}	16.8	X	282.71351	275.74721	0.04246	6.37224	0.1359084	0.27244685	2.3565764	20	2 29.5	20.0
217131 2002 EO_{105}	17.3	X	13.04100	34.22143	44.82688	2.61346	0.1756552	0.26171207	2.4205843	20	—	—
217132 2002 ED_{132}	15.1	X	2.76420	110.52139	169.41627	11.25355	0.1065809	0.17638185	3.1489574	20	7 14.4	19.1
217133 2002 FC_{40}	15.3	X	131.15130	250.08960	316.60259	7.25894	0.0426286	0.18615756	3.0377283	20	9 21.5	19.8
217134 2002 GS_{62}	17.3	X	159.78928	332.51571	142.82924	1.30926	0.1758215	0.28480193	2.2879196	20	7 11.4	20.7
217135 2002 GE_{100}	15.1	X	353.51099	147.39792	202.13585	9.78583	0.0310187	0.18548696	3.0450455	20	9 28.4	19.1
217136 2002 GT_{109}	16.9	X	169.25533	6.53231	101.03647	12.39421	0.0914452	0.28377324	2.2934455	20	7 10.3	19.9
217137 2002 GH_{133}	17.6	X	146.24674	68.11504	221.45727	4.23606	0.1676980	0.30385036	2.1912716	20	—	—
217138 2002 GA_{156}	15.1	X	56.23525	74.80114	170.09769	10.30519	0.0865011	0.17804754	3.1292870	20	8 15.9	19.5
217139 2002 GY_{168}	17.0	X	120.13081	86.11976	210.02558	4.64241	0.2018935	0.29988991	2.2105219	20	—	—
217140 2002 GL_{177}	15.3	X	356.82555	114.93711	178.71470	9.42741	0.0755270	0.17508552	3.1644815	20	7 21.8	19.5
217141 2002 GT_{180}	15.5	X	350.08997	204.39862	153.78322	10.53884	0.0599100	0.18669961	3.0318458	20	10 10.4	19.5
217142 2002 JY_{74}	17.3	X	112.33196	25.43936	232.32809	4.00727	0.1648667	0.29313395	2.2443572	20	11 29.7	20.6
217143 2002 LK_{11}	17.4	X	94.55944	142.09209	107.26370	5.79542	0.2072331	0.28780868	2.2719571	20	11 6.3	21.0
217144 2002 LD_{48}	17.0	X	59.78888	359.19714	293.69128	5.98500	0.2416303	0.28452222	2.2894189	20	11 28.4	20.4
217145 2002 ML_{2}	17.0	X	42.83646	43.99148	280.81526	5.51734	0.2744114	0.28440271	2.2900602	20	12 26.4	20.4
217146 2002 NJ	17.3	X	23.58396	139.80077	193.15498	3.21339	0.2495632	0.28283720	2.2985028	20	12 12.5	20.1
217147 2002 NA_{18}	16.6	X	49.98963	161.14108	133.54712	9.33692	0.2175071	0.28367188	2.2939918	20	11 21.4	19.9
217148 2002 NH_{26}	16.3	X	34.88598	151.86180	143.49145	24.34980	0.1820376	0.27879935	2.3206423	20	11 3.3	19.8
217149 2002 NL_{34}	16.7	X	42.37101	37.88467	263.02005	4.84530	0.1753980	0.28186949	2.3037606	20	11 10.8	19.6
217150 2002 NU_{51}	16.8	X	76.25465	2.22105	295.08394	6.14097	0.1481902	0.28711358	2.2756226	20	12 12.6	20.1
217151 2002 NX_{52}	17.2	X	66.78347	140.11107	123.78159	5.88590	0.2339225	0.28219529	2.3019871	20	10 31.6	20.6
217152 2002 NX_{59}	16.9	X	88.58848	25.02449	257.31024	5.69338	0.1299080	0.28709958	2.2756965	20	12 4.8	20.2
217153 2002 OD_{13}	17.0	X	72.92185	32.94829	217.59598	7.13030	0.1751074	0.28159273	2.3052698	20	10 10.2	20.1
217154 2002 OZ_{21}	16.6	X	29.08948	349.06064	328.14293	7.69322	0.1834509	0.28101467	2.3084301	20	11 14.6	19.5
217155 2002 OX_{29}	18.0	X	57.24398	7.88745	268.55181	5.23953	0.1731545	0.28173639	2.3044860	20	10 25.7	21.2
217156 2002 PP_{18}	16.1	X	302.43162	337.87429	305.76640	7.46181	0.1043312	0.20920295	2.8103313	20	4 10.6	20.1
217157 2002 PA_{19}	16.6	X	338.79892	93.82300	289.25680	6.28039	0.1247216	0.28233054	2.3012518	20	11 19.3	18.7
217158 2002 PU_{32}	16.6	X	37.89336	44.78781	310.24748	6.11449	0.2052222	0.28602372	2.2813995	20	—	—
217159 2002 PV_{71}	17.3	X	51.37914	62.83673	244.72589	5.24111	0.1791602	0.28364496	2.2941369	20	12 2.1	20.4
217160 2002 PB_{84}	16.8	X	345.86387	49.58012	336.28778	5.51179	0.2961368	0.27956505	2.3164030	20	—	—
217161 2002 PL_{88}	16.7	X	309.17915	225.28284	163.00416	4.91694	0.1566516	0.27574599	2.3377420	20	9 27.2	18.6
217162 2002 PW_{96}	16.6	X	354.82015	246.70431	115.51718	6.48196	0.1925713	0.27975773	2.3153394	20	11 29.9	18.7
217163 2002 PJ_{103}	17.3	X	20.34023	99.04822	262.41317	5.78386	0.2153367	0.28396276	2.2924249	20	—	—
217164 2002 PK_{122}	17.1	X	53.02451	41.53281	224.65318	4.02592	0.1283823	0.27864131	2.3215198	20	9 29.8	19.9
217165 2002 PG_{127}	16.7	X	322.70998	106.69477	272.16976	2.01089	0.1845971	0.27695221	2.3309493	20	10 10.2	18.2
217166 2002 PW_{141}	15.9	X	113.24232	66.02742	150.63549	22.34977	0.2116429	0.28283114	2.2985356	20	10 15.6	20.0
217167 2002 PH_{155}	15.6	X	34.18837	265.57865	89.74000	1.96250	0.1605708	0.17546899	3.1598693	20	12 14.1	19.9
217168 2002 QH_{3}	16.6	X	26.33711	93.30192	193.53615	5.99626	0.1357678	0.27597876	2.3364273	20	9 20.8	19.0
217169 2002 QA_{10}	17.3	X	352.98888	104.70434	230.47864	6.21235	0.1284965	0.27531775	2.3401655	20	10 1.3	19.5
217170 2002 QL_{28}	17.4	X	10.28966	218.60601	119.00189	6.38670	0.2289874	0.28125756	2.3071008	20	11 27.6	19.8
217171 2002 QR_{71}	17.4	X	71.89798	304.38782	326.88203	6.29883	0.0881628	0.28071942	2.3100484	20	10 24.0	20.5
217172 2002 QG_{108}	17.4	X	312.10363	231.55046	186.88880	1.08187	0.1943345	0.28063288	2.3105233	20	11 23.0	18.8
217173 2002 QA_{125}	17.4	X	36.78052	159.26621	121.34082	7.11464	0.0970839	0.27696003	2.3309054	20	9 26.4	20.1
217174 2002 RM_{32}	17.0	X	1.13613	157.44245	189.58015	5.99935	0.1253699	0.27780957	2.3261511	20	11 7.3	19.3
217175 2002 RE_{42}	17.3	X	23.28074	229.27073	79.42788	2.32040	0.2295329	0.27826625	2.3236053	20	11 4.9	19.9
217176 2002 RG_{55}	17.0	X	345.43618	103.61415	232.97996	3.87631	0.2441384	0.27431756	2.3458504	20	9 29.9	18.3
217177 2002 RL_{59}	16.4	X	336.02408	59.09938	311.83432	6.13954	0.1252201	0.27654464	2.3332390	20	10 22.4	18.7
217178 2002 RF_{68}	16.9	X	0.58402	38.52840	271.18734	5.09860	0.2054823	0.27443226	2.3451967	20	9 15.0	18.8
217179 2002 RW_{85}	17.2	X	353.73366	196.77338	116.99498	1.25918	0.2355945	0.27280076	2.3545378	20	9 13.2	18.5
217180 2002 RT_{99}	17.0	X	285.48734	221.22151	166.43149	5.45371	0.2219325	0.26827933	2.3809187	20	7 25.3	19.6
217181 2002 RX_{101}	16.9	X	320.62469	16.05225	318.89553	1.79553	0.2422045	0.26780520	2.3837281	20	7 11.4	18.3
217182 2002 RD_{104}	16.3	X	346.51996	288.33722	20.11174	10.75311	0.2633353	0.26987757	2.3715094	20	8 19.8	17.7
217183 2002 RN_{181}	16.4	X	336.09713	117.51971	193.43515	12.60168	0.2394257	0.27026254	2.3692569	20	7 9.5	18.3
217184 2002 RF_{204}	16.9	X	18.66471	140.26660	171.33424	9.57725	0.1356253	0.27757612	2.3274551	20	10 18.4	19.4
217185 2002 RZ_{225}	16.4	X	17.54851	55.62662	235.03040	5.80119	0.1245919	0.27280738	2.3544997	20	9 6.5	19.0
217186 2002 RL_{245}	17.3	X	10.37348	82.63088	273.25076	1.87332	0.1987797	0.28147526	2.3059111	20	12 16.9	19.9
217187 2002 SC_{4}	16.5	X	328.44735	84.47246	273.06749	3.79284	0.2513879	0.27301676	2.3532957	20	9 14.1	17.7
217188 2002 SE_{6}	16.8	X	266.62245	294.58320	106.74438	2.14031	0.1819709	0.26759747	2.3849616	20	7 24.4	19.6
217189 2002 SX_{56}	16.5	X	271.76082	282.29810	110.71891	5.58639	0.1862322	0.26672481	2.3901607	20	7 18.9	19.5
217190 2002 SM_{67}	16.8	X	329.83329	250.77159	119.26354	7.07372	0.1196683	0.27701878	2.3305758	20	10 16.4	19.0
217191 2002 TP_{2}	16.8	X	322.46364	153.51867	197.12611	1.74381	0.1644451	0.27059761	2.3673006	20	8 21.9	18.6
217192 2002 TS_{29}	16.9	X	321.34705	180.45130	194.11415	1.67251	0.2151627	0.27239421	2.3568800	20	9 27.9	18.4
217193 2002 TS_{61}	15.2	X	57.59857	147.46157	264.21311	8.20054	0.0849880	0.18206020	3.0831362	20	—	—
217194 2002 TR_{71}	16.3	X	232.93141	100.49893	331.36733	6.58275	0.0730230	0.26656451	2.3911188	20	8 8.8	19.5
217195 2002 TG_{83}	17.0	X	342.84640	244.16255	129.68864	6.29021	0.2372378	0.27750050	2.3278779	20	11 30.1	18.8
217196 2002 TY_{110}	14.1	X	105.79167	38.70447	306.34369	7.97880	0.1821271	0.12428910	3.9766193	20	—	—
217197 2002 TF_{135}	15.3	X	90.90111	349.52792	331.39749	9.58669	0.0719382	0.17425760	3.1744969	20	12 26.9	20.2
217198 2002 TQ_{141}	16.0	X	304.79964	204.67443	200.49370	10.58079	0.1779888	0.27426443	2.3461533	20	10 11.4	17.7
217199 2002 TO_{155}	16.9	X	62.97106	21.81563	278.58073	6.93546	0.1947741	0.28251823	2.3002325	20	12 6.4	20.3
217200 2002 TR_{167}	15.9	X	41.63934	19.27830	303.31130	11.38390	0.1525836	0.28030085	2.3123475	20	12 5.4	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217201 2002 TM_{186}	16.5	X	301.23674	121.72805	273.99980	2.43961	0.1608592	0.27273208	2.3549330	20	9 17.9	18.7
217202 2002 TP_{198}	16.3	X	329.75056	358.22733	325.20004	6.83575	0.1416950	0.26778069	2.3838735	20	7 26.9	18.4
217203 2002 TV_{210}	16.8	X	300.31155	0.17078	352.68180	2.40414	0.1978886	0.26646223	2.3917307	20	7 3.9	19.1
217204 2002 TD_{220}	16.4	X	286.87837	98.42108	277.12237	4.96290	0.2008736	0.26726413	2.3869442	20	7 13.7	18.9
217205 2002 TE_{223}	16.8	X	358.18232	298.22962	14.49492	1.20852	0.1608203	0.27066350	2.3669164	20	9 11.6	18.6
217206 2002 TG_{224}	17.2	X	311.36585	63.38558	316.51905	1.89464	0.1929787	0.27092552	2.3653901	20	9 11.5	18.8
217207 2002 TF_{233}	15.6	X	127.50482	33.80742	254.24557	11.52597	0.1148988	0.23137158	2.6278226	20	—	—
217208 2002 TV_{256}	14.7	X	106.02583	172.19574	182.78970	2.63191	0.2636045	0.12439544	3.9743527	20	1 13.5	20.5
217209 2002 TM_{264}	15.6	X	278.76103	139.91840	224.07191	22.28609	0.2900336	0.26364966	2.4087103	20	5 30.9	19.1
217210 2002 TC_{295}	15.8	X	26.05681	330.50261	357.25709	13.06339	0.2609412	0.27693142	2.3310659	20	12 6.3	19.1
217211 2002 TQ_{351}	17.4	X	342.94559	119.73748	219.62335	6.49667	0.1304421	0.27466242	2.3438864	20	9 17.3	19.7
217212 2002 TA_{376}	16.2	X	340.17455	7.19182	309.28604	6.37640	0.1237183	0.26650021	2.3915035	20	8 6.0	18.4
217213 2002 UC_{3}	15.6	X	210.75123	303.46498	121.54796	22.48792	0.2804594	0.25823677	2.4422531	20	6 19.7	20.2
217214 2002 UK_{26}	16.6	X	342.40102	204.67279	133.33416	6.79746	0.2438238	0.27185327	2.3600055	20	9 28.3	18.0
217215 2002 UN_{74}	16.5	X	318.60044	97.57024	191.09964	5.91515	0.1257060	0.25839663	2.4412457	20	5 12.3	19.1
217216 2002 VR_{26}	15.5	X	39.58532	251.87438	231.32756	15.76874	0.1962738	0.18198838	3.0839472	20	2 18.6	19.3
217217 2002 VD_{28}	15.7	X	149.87604	330.69299	84.91465	3.06481	0.0488043	0.24810514	2.5082965	20	4 6.5	19.1
217218 2002 VY_{28}	16.7	X	278.58126	140.85940	263.51911	1.43176	0.2149944	0.26733119	2.3865450	20	8 9.8	19.1
217219 2002 VH_{29}	15.8	X	211.51346	261.60572	140.59914	6.68654	0.1399060	0.25594252	2.4568261	20	5 28.2	19.6
217220 2002 VM_{58}	16.7	X	267.07686	278.51704	112.63367	3.11309	0.2178999	0.26316810	2.4116478	20	7 4.2	19.8
217221 2002 VB_{84}	16.8	X	266.96376	257.44028	134.72498	5.17292	0.1869783	0.26297058	2.4128553	20	7 10.1	19.7
217222 2002 VQ_{86}	15.9	X	321.14051	25.63317	34.29587	15.11069	0.0791257	0.22022546	2.7157577	20	11 18.6	19.2
217223 2002 VR_{109}	17.2	X	285.14788	73.91802	298.64569	2.49999	0.2583609	0.26452228	2.4034101	20	6 26.4	20.0
217224 2002 XR_{5}	15.7	X	245.95385	359.95949	110.73709	10.71467	0.1106838	0.21396676	2.7684617	20	10 9.6	19.7
217225 2002 XW_{14}	16.7	X	305.39021	216.29785	140.83587	5.34200	0.1687149	0.26684971	2.3894149	20	7 25.0	18.9
217226 2002 XX_{51}	16.4	X	250.38197	269.81568	107.55180	3.56987	0.2089111	0.25811996	2.4429898	20	5 28.5	20.1
217227 2002 XC_{61}	16.7	X	257.41193	83.87143	278.43908	1.89685	0.2137113	0.25751398	2.4468209	20	5 14.5	20.2
217228 2003 AL_{42}	17.0	X	70.94341	332.24002	292.21035	19.21596	0.0515425	0.37232020	1.9136315	20	10 18.6	19.6
217229 2003 AJ_{86}	15.9	X	203.95268	274.69865	116.57027	9.25395	0.1187309	0.25296139	2.4760907	20	5 9.1	19.8
217230 2003 BX_{43}	16.6	X	268.88291	217.82674	9.35552	6.35792	0.0913882	0.28231090	2.3013585	20	—	—
217231 2003 BY_{46}	15.9	X	219.07221	52.29974	348.59344	2.72019	0.2629458	0.25325543	2.4741738	20	5 24.4	20.1
217232 2003 BU_{48}	16.9	X	264.29238	177.23821	321.61374	1.60049	0.1633399	0.26921963	2.3753716	20	12 12.8	19.2
217233 2003 BT_{61}	16.7	X	128.34841	77.41949	141.76870	22.83787	0.0590839	0.37607764	1.9008640	20	11 18.5	19.5
217234 2003 EK_{47}	17.1	X	310.98907	131.74893	301.46688	16.04851	0.0575726	0.37934165	1.8899444	20	—	—
217235 2003 FD_{12}	16.2	X	243.48805	303.12602	250.33940	1.43490	0.0143537	0.21127469	2.7919292	20	—	—
217236 2003 FQ_{78}	16.4	X	128.96209	309.84607	296.92961	1.75337	0.1703699	0.25649205	2.4533158	20	11 24.7	20.4
217237 2003 GD_{37}	16.5	X	1.45158	148.17043	159.93837	24.84909	0.0771670	0.36168285	1.9509708	20	9 21.4	18.0
217238 2003 HT_{5}	15.6	X	251.78011	318.16592	173.65466	15.32187	0.0939363	0.20294130	2.8678456	20	11 10.9	19.7
217239 2003 HL_{21}	17.0	X	249.91736	172.98740	69.10616	1.64130	0.1846543	0.27343082	2.3509194	20	—	—
217240 2003 HQ_{58}	16.2	X	18.54227	203.23038	101.12634	4.59785	0.2016814	0.18564614	3.0433047	20	9 28.5	19.7
217241 2003 KK_{15}	15.6	X	50.53458	120.04459	182.99590	9.46484	0.1146953	0.18921961	3.0048672	20	10 30.2	19.7
217242 2003 KY_{16}	15.0	X	17.37706	122.85165	136.77627	17.66124	0.2078391	0.17768343	3.1335606	20	7 22.3	18.4
217243 2003 MU_{2}	15.1	X	5.20267	116.36125	128.35098	26.47674	0.2427330	0.17503314	3.1651128	20	6 12.4	18.7
217244 2003 ML_{7}	15.3	X	354.46968	84.21789	199.50462	15.21736	0.2461021	0.17516458	3.1635292	20	7 4.8	18.7
217245 2003 OD_{12}	14.4	X	0.25002	29.42521	262.01750	19.10951	0.0994386	0.17163568	3.2067443	20	7 20.9	18.6
217246 2003 PH_{10}	15.1	X	276.61895	215.22809	141.91932	13.32204	0.0293635	0.16866306	3.2443129	20	6 26.8	19.8
217247 2003 QF	16.6	X	119.46769	175.87232	188.82071	2.61338	0.2272619	0.19983031	2.8975336	20	1 23.5	20.8
217248 2003 SG_{123}	15.4	X	356.70501	343.23823	35.70987	2.01584	0.1082378	0.17928065	3.1149215	20	11 13.9	19.3
217249 2003 SQ_{305}	15.0	X	239.43496	225.29162	241.70025	8.13888	0.0425154	0.17486811	3.1671039	20	9 21.5	19.6
217250 2003 TP_{11}	16.7	X	205.37384	33.43578	308.33185	1.57977	0.2085196	0.26608139	2.3940124	20	3 2.9	20.5
217251 2003 UM_{25}	16.5	X	181.89206	69.08205	240.02825	7.02603	0.2693386	0.31554981	2.1367683	20	1 1.8	20.1
217252 2003 US_{118}	17.9	X	173.38068	31.57677	286.34788	2.05759	0.1752880	0.31734286	2.1287119	20	—	—
217253 2003 UK_{153}	15.6	X	30.21301	34.50401	256.87132	12.83267	0.1393811	0.23237035	2.6202873	20	9 19.8	19.1
217254 2003 UT_{191}	15.7	X	160.24584	240.66203	18.84790	13.96189	0.1802624	0.24259225	2.5461546	20	—	—
217255 2003 UB_{277}	16.5	X	119.39437	275.32926	58.41640	4.09001	0.2231531	0.30788256	2.1720975	20	—	—
217256 2003 UR_{315}	16.6	X	198.77380	245.50799	114.03292	3.57731	0.0395258	0.26709032	2.3879796	20	3 21.2	19.8
217257 Valemangano	17.9	X	142.66411	101.79817	213.46488	5.40953	0.3668581	0.31201075	2.1528958	20	—	—
217258 2003 WE_{41}	17.6	X	23.34935	119.58615	306.65783	2.01102	0.1275409	0.30237273	2.1984046	20	—	—
217259 2003 WP_{43}	15.7	X	1.71341	76.86443	352.99614	10.00972	0.1450576	0.18154466	3.0889702	20	—	—
217260 2003 WK_{120}	16.9	X	346.71910	132.89868	295.74842	4.31046	0.0723373	0.29562987	2.2317070	20	—	—
217261 2003 XZ_{28}	16.7	X	100.02693	25.94830	251.89188	4.40114	0.1275663	0.29213198	2.2494861	20	12 11.6	19.9
217262 2003 YN_{3}	17.0	X	80.02558	82.74340	291.92687	6.29645	0.3026656	0.30405544	2.1902862	20	—	—
217263 2003 YE_{51}	16.3	X	166.11265	216.02787	280.38998	6.09123	0.0612245	0.27324629	2.3519777	20	8 13.1	19.5
217264 2003 YP_{58}	15.4	X	118.19641	145.22729	255.79175	6.28395	0.1506125	0.19323820	2.9630619	20	2 23.7	19.8
217265 2003 YP_{66}	14.9	X	17.11834	106.63517	311.18985	25.13254	0.2755671	0.17521474	3.1629255	20	—	—
217266 2003 YR_{67}	17.3	X	114.66794	196.94589	87.14267	3.84096	0.1152388	0.29472505	2.2362723	20	—	—
217267 2003 YX_{68}	16.2	X	79.77905	252.16176	200.81540	6.02828	0.0980335	0.25614345	2.4555411	20	2 26.4	19.1
217268 2003 YE_{75}	17.0	X	285.52126	164.58991	296.09268	6.29976	0.1118230	0.28917072	2.2648173	20	12 8.4	19.0
217269 2003 YO_{88}	16.1	X	93.79231	70.22807	304.55550	3.35970	0.2149471	0.30355355	2.1926998	20	—	—
217270 2003 YZ_{101}	16.7	X	18.81880	254.49705	115.08320	7.77487	0.1234215	0.28987571	2.2611437	20	—	—
217271 2003 YK_{147}	15.7	X	291.85995	90.58515	326.12449	11.69038	0.1649392	0.22492690	2.6777814	20	9 17.7	19.0
217272 2004 AQ_{2}	16.4	X	83.24257	91.46965	127.89848	7.91701	0.0645420	0.27041020	2.3683943	20	8 27.7	19.4
217273 2004 BZ_{22}	15.5	X	335.60205	315.68846	313.28230	12.91203	0.2580954	0.25659293	2.4526727	20	4 13.9	18.0
217274 2004 BE_{51}	16.0	X	345.16864	275.56605	308.16910	5.36110	0.0948551	0.25258630	2.4785414	20	3 23.6	18.7
217275 2004 BC_{99}	16.8	X	41.26238	53.82242	135.05742	9.06688	0.1088305	0.25236906	2.4799636	20	5 18.6	19.7
217276 2004 BO_{129}	17.2	X	344.35882	46.06204	209.26565	1.25468	0.1521816	0.25862513	2.4398075	20	5 5.6	19.3
217277 2004 CD_{53}	17.0	X	320.99561	57.81885	304.66779	4.86679	0.1340492	0.27542059	2.3395829	20	9 8.6	19.0
217278 2004 DR_{16}	16.4	X	268.72897	278.48312	309.99878	23.07770	0.2038337	0.23654250	2.5893848	20	—	—
217279 2004 DF_{23}	15.3	X	214.45405	261.09036	321.48816	25.96205	0.2399822	0.22402044	2.6850000	20	—	—
217280 2004 DF_{28}	17.1	X	103.03647	274.84231	258.46398	1.99524	0.1578763	0.26377941	2.4079204	20	7 28.7	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217281 2004 DU_{71}	15.1	X	68.27327	344.11683	123.80905	22.26180	0.1264059	0.18337954	3.0683305	20	3 22.6	19.5
217282 2004 EX_{5}	16.3	X	190.68215	108.23839	133.76111	5.29704	0.2635386	0.22162655	2.7042999	20	12 30.1	20.8
217283 2004 EJ_{17}	15.4	X	28.33558	90.08039	49.01573	10.76978	0.1176799	0.18107283	3.0943340	20	2 27.5	19.3
217284 2004 EH_{25}	16.4	X	207.81450	112.91571	171.53607	11.74603	0.2629701	0.23107067	2.6301034	20	—	—
217285 2004 EP_{92}	17.0	X	249.14073	198.01978	247.18233	1.69281	0.1298410	0.27296572	2.3535891	20	9 8.7	19.7
217286 2004 FP_{58}	16.8	X	242.33755	99.99743	162.67189	4.17641	0.1392499	0.23446840	2.6046328	20	1 4.9	20.9
217287 2004 FO_{62}	15.9	X	112.31431	46.12133	50.66535	3.56691	0.1115958	0.18905527	3.0066083	20	4 24.4	20.2
217288 2004 FT_{97}	15.1	X	82.23340	63.52222	35.49572	16.87744	0.0993653	0.18440649	3.0569282	20	3 26.1	19.4
217289 2004 FD_{129}	15.8	X	146.40750	121.89608	132.23867	13.76680	0.1651580	0.21498239	2.7597354	20	12 13.8	20.5
217290 2004 FF_{129}	15.9	X	177.76768	300.26704	17.15278	17.94965	0.2866468	0.22901575	2.6458130	20	1 24.8	21.0
217291 2004 GW_{14}	15.7	X	236.74638	289.56593	317.84333	11.68413	0.1422957	0.22812438	2.6527007	20	—	—
217292 2004 GU_{30}	15.8	X	202.68672	78.90763	188.97296	5.09342	0.1690328	0.22328280	2.6909102	20	—	—
217293 2004 GB_{31}	16.4	X	197.60428	88.18851	194.77397	11.09220	0.1722746	0.22598001	2.6694556	20	—	—
217294 2004 GS_{42}	16.5	X	183.44190	238.92085	46.01287	5.29550	0.2014884	0.22430238	2.6827495	20	—	—
217295 2004 HG_{5}	16.1	X	164.72454	85.18139	202.89462	11.28556	0.1952245	0.22006706	2.7170608	20	—	—
217296 2004 HK_{44}	16.8	X	349.77402	314.54896	280.76741	3.91343	0.0822177	0.30721408	2.1752473	20	4 15.0	18.8
217297 2004 HD_{78}	16.3	X	209.01607	133.51615	132.94819	12.29936	0.1405714	0.22365320	2.6879384	20	—	—
217298 2004 JY_{4}	15.7	X	248.00688	344.16298	345.06251	18.67141	0.2427017	0.24031430	2.5622193	20	3 19.3	20.1
217299 2004 JQ_{10}	15.7	X	166.10046	167.17296	106.79438	10.84970	0.2078864	0.21802274	2.7340190	20	—	—
217300 2004 JC_{12}	15.8	X	223.98265	16.11341	248.97781	8.27303	0.2202090	0.22788333	2.6545710	20	—	—
217301 2004 JQ_{12}	16.3	X	134.80031	102.94351	205.43146	7.53988	0.2900583	0.21403294	2.7678909	20	—	—
217302 2004 JJ_{22}	15.5	X	123.41720	297.14313	35.34386	10.89483	0.2771918	0.21755571	2.7379304	20	—	—
217303 2004 JB_{24}	15.8	X	210.21304	84.57813	225.61942	17.88657	0.1194193	0.23278883	2.6171461	20	1 26.9	20.3
217304 2004 JT_{30}	17.2	X	135.82806	169.59482	102.08080	3.60845	0.2055049	0.27241752	2.3567455	20	—	—
217305 2004 JA_{34}	15.7	X	147.57584	230.20810	80.53471	14.36526	0.1993767	0.21803148	2.7339459	20	—	—
217306 2004 LF_{3}	15.9	X	116.20947	173.51457	126.50496	9.05813	0.2028708	0.20980350	2.8049657	20	—	—
217307 2004 LM_{6}	15.6	X	162.78530	79.34323	252.24673	10.21961	0.2079486	0.22359529	2.6884025	20	1 18.1	20.1
217308 2004 MK_{3}	15.1	X	86.89105	81.93381	241.00846	16.65106	0.2856974	0.20233884	2.8735353	20	—	—
217309 2004 NR_{19}	17.1	X	119.40640	209.91356	146.17908	6.91575	0.2580447	0.27513096	2.3412246	20	1 5.7	20.1
217310 2004 NB_{20}	15.9	X	100.25189	170.99868	139.24017	16.09051	0.1350718	0.20469656	2.8514276	20	—	—
217311 2004 OH_{6}	14.6	X	250.67589	287.68557	124.12056	27.44036	0.1209289	0.17538865	3.1608343	20	7 20.9	19.1
217312 2004 PP_{11}	15.9	X	46.25199	198.57473	142.52400	3.45318	0.1776085	0.19764209	2.9188812	20	12 19.4	20.0
217313 2004 PL_{15}	15.1	X	305.82423	179.08293	137.99732	14.65319	0.1554356	0.17523990	3.1626227	20	5 30.8	19.5
217314 2004 PQ_{35}	15.0	X	23.61230	286.94462	339.16313	20.84267	0.1665404	0.18208091	3.0829024	20	8 13.5	18.7
217315 2004 PW_{39}	17.0	X	99.09028	139.45091	153.70721	19.91775	0.0918440	0.38584787	1.8686386	20	—	—
217316 2004 PX_{52}	15.1	X	8.93512	228.72958	136.69656	12.21990	0.1351070	0.19263735	2.9692200	20	11 25.5	19.0
217317 2004 PR_{57}	15.8	X	343.70861	219.99747	151.42019	9.83793	0.1976109	0.18979956	2.9987430	20	10 24.9	19.0
217318 2004 PM_{67}	15.3	X	17.42480	159.28086	201.48403	11.54804	0.0663138	0.19480846	2.9471179	20	11 21.6	19.3
217319 2004 PD_{68}	15.7	X	11.91394	150.47454	174.91547	9.24761	0.1500004	0.18866220	3.0107830	20	10 7.8	19.3
217320 2004 PD_{78}	15.3	X	1.13889	57.72229	294.92126	9.45368	0.0772535	0.19106353	2.9855030	20	10 13.3	19.3
217321 2004 PR_{88}	16.9	X	40.15529	26.73614	209.42802	6.29821	0.1141435	0.30540773	2.1838160	20	7 26.9	19.2
217322 2004 PN_{102}	15.2	X	313.43739	63.13231	286.64088	5.71541	0.0864933	0.17942459	3.1132553	20	7 29.9	19.3
217323 2004 PV_{108}	15.4	X	5.79222	145.97668	152.32691	11.45785	0.1901293	0.18205865	3.0831537	20	8 21.8	18.6
217324 2004 QY_{13}	14.4	X	351.70730	0.22933	261.51143	24.12947	0.2088495	0.17891090	3.1192117	20	5 30.1	17.7
217325 2004 RB_{43}	15.3	X	43.04804	356.88651	320.72919	9.40439	0.0887227	0.19188414	2.9769851	20	10 29.6	19.5
217326 2004 RT_{50}	15.8	X	338.32461	192.80218	149.02376	6.70674	0.1579562	0.18275523	3.0753143	20	8 27.5	19.2
217327 2004 RN_{51}	15.8	X	344.65573	242.19060	85.30057	2.31852	0.2021746	0.18229403	3.0804991	20	8 20.2	18.7
217328 2004 RV_{62}	15.5	X	50.61716	87.65806	188.48545	4.81408	0.1808520	0.18672288	3.0315939	20	10 4.3	19.6
217329 2004 RS_{66}	14.6	X	327.47067	306.83696	1.49671	15.81215	0.1969633	0.17644569	3.1481979	20	6 13.7	18.5
217330 2004 RU_{69}	15.8	X	17.61992	173.10883	156.84084	10.88764	0.1262474	0.18831415	3.0144916	20	10 21.9	19.7
217331 2004 RE_{73}	15.5	X	137.20338	1.95505	11.06284	13.47761	0.1652968	0.21402025	2.7680003	20	2 17.6	19.9
217332 2004 RS_{79}	15.5	X	297.93404	230.79153	166.07028	11.24183	0.1120958	0.18212182	3.0824407	20	9 4.6	19.4
217333 2004 RX_{80}	16.1	X	356.75015	53.20194	312.07839	3.29232	0.1633867	0.18888973	3.0083647	20	11 2.6	19.5
217334 2004 RY_{81}	15.3	X	317.67950	141.58579	201.46481	10.24674	0.0979168	0.17586712	3.1550987	20	7 24.1	19.5
217335 2004 RG_{87}	15.2	X	341.26801	43.73851	263.70748	8.13776	0.0901596	0.17668418	3.1453642	20	7 16.1	19.2
217336 2004 RB_{93}	16.2	X	114.07621	196.00387	194.13276	11.64512	0.3494018	0.21248031	2.7813582	20	2 27.9	20.8
217337 2004 RB_{140}	16.2	X	342.41738	228.28357	122.23605	5.97987	0.2276862	0.18398855	3.0615558	20	9 20.2	19.1
217338 2004 RM_{150}	16.0	X	338.92323	219.27101	161.39357	2.14059	0.1645401	0.18722206	3.0262028	20	10 23.1	19.2
217339 2004 RD_{153}	15.4	X	330.65719	166.28807	231.90013	7.08983	0.0832636	0.19031692	2.9933060	20	10 30.6	19.0
217340 2004 RZ_{174}	15.1	X	324.35430	134.71563	273.97513	9.03125	0.0596033	0.19238747	2.9717905	20	11 2.5	19.1
217341 2004 RT_{179}	14.8	X	189.97444	214.83397	264.31211	8.08833	0.0267448	0.17891147	3.1192050	20	8 10.8	19.4
217342 2004 RX_{180}	15.6	X	2.94881	66.92058	231.73880	4.19295	0.1570345	0.18121864	3.0926740	20	8 12.2	19.1
217343 2004 RX_{186}	15.0	X	11.39970	356.67612	302.28346	8.53460	0.0866397	0.18060546	3.0996701	20	8 21.2	18.9
217344 2004 RV_{188}	15.2	X	355.67946	67.67863	246.75091	8.24471	0.0934411	0.17963439	3.1108308	20	8 15.6	19.3
217345 2004 RR_{195}	15.0	X	21.47083	358.57578	354.64113	10.16746	0.1083509	0.18815671	3.0161729	20	11 16.9	19.2
217346 2004 RV_{197}	15.4	X	216.47714	260.24978	200.59573	10.14456	0.0505674	0.17857556	3.1231155	20	8 17.3	20.2
217347 2004 RE_{202}	15.2	X	60.69787	26.86552	271.45435	9.80835	0.0462641	0.19076732	2.9885927	20	10 22.2	19.5
217348 2004 RA_{213}	14.9	X	291.57809	67.63640	305.70539	15.91570	0.1873287	0.17684532	3.1434532	20	7 15.9	19.0
217349 2004 RS_{217}	15.1	X	342.79294	28.99832	316.38233	14.92249	0.2095825	0.18170057	3.0872030	20	9 4.4	18.4
217350 2004 RZ_{219}	15.0	X	220.09297	101.32632	312.24413	15.67619	0.0884669	0.16815576	3.2508347	20	6 23.7	20.1
217351 2004 RD_{220}	14.9	X	278.53299	69.64584	307.40690	15.24516	0.1212591	0.17260981	3.1946680	20	7 12.7	19.3
217352 2004 RK_{256}	16.3	X	52.54674	7.81577	293.45104	2.07705	0.1950443	0.19133786	2.9826487	20	11 8.7	20.4
217353 2004 RV_{284}	16.0	X	57.58552	111.31595	146.89777	4.18043	0.2478364	0.18664510	3.0324361	20	10 1.2	20.2
217354 2004 RC_{290}	16.9	X	350.97809	101.27282	289.29439	17.71687	0.1044854	0.38104694	1.8843015	20	—	—
217355 2004 RU_{290}	15.3	X	332.34880	4.79293	341.04545	4.38678	0.1532167	0.18065816	3.0990672	20	8 21.7	18.6
217356 2004 RA_{294}	15.0	X	6.64091	61.79955	269.65125	12.06512	0.2499481	0.18159410	3.0884096	20	10 10.6	18.5
217357 2004 RL_{315}	15.0	X	344.36656	289.50131	83.80713	11.48000	0.1054696	0.18955883	3.0012813	20	10 25.9	18.8
217358 2004 SW_{25}	16.4	X	351.94208	103.33795	202.60184	4.82318	0.1489460	0.23894718	2.5719831	20	8 8.8	19.0
217359 2004 SE_{47}	15.7	X	295.24856	22.85789	327.99270	2.64985	0.1598701	0.17434611	3.1734224	20	6 24.4	19.8
217360 2004 SN_{50}	16.0	X	64.16175	62.61162	21.59884	4.49873	0.0850279	0.21043029	2.7993930	20	1 31.7	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217361 2004 TJ_7	14.9	X	330.65571	231.61995	93.57239	10.25876	0.2020022	0.17793901	3.1305593	20	7 15.8	18.2
217362 2004 TT_{11}	15.7	X	267.90810	225.27420	195.22471	6.56703	0.1201652	0.17870928	3.1215573	20	8 20.5	20.0
217363 2004 TV_{32}	15.7	X	327.19426	6.09794	336.56642	4.22154	0.1910755	0.17767314	3.1336816	20	8 4.1	19.0
217364 2004 TW_{32}	14.6	X	217.08806	218.90154	205.55452	15.11767	0.0292778	0.17093344	3.2155211	20	7 5.3	19.5
217365 2004 TY_{33}	16.9	X	115.04831	307.49851	78.28372	3.23135	0.2036883	0.27281596	2.3544504	20	2 2.0	19.8
217366 Mayalin	16.8	X	146.90207	278.78154	17.01333	5.25685	0.1171947	0.26580198	2.3956897	20	—	—
217367 2004 TW_{65}	15.3	X	332.37412	149.35067	156.92207	5.44403	0.1334171	0.17403701	3.1771787	20	6 27.9	19.2
217368 2004 TJ_{79}	15.1	X	321.59297	137.07890	225.45849	10.16039	0.0956529	0.17897349	3.1184844	20	8 24.1	19.2
217369 2004 TC_{151}	16.0	X	334.01676	77.77370	267.01980	1.28700	0.1246706	0.17925896	3.1151727	20	8 23.3	19.6
217370 2004 TQ_{166}	16.1	X	356.03605	351.80977	321.44374	1.82181	0.1902418	0.18124590	3.0923638	20	8 22.8	19.2
217371 2004 TM_{169}	15.4	X	304.41677	287.67455	80.62956	4.41316	0.1736947	0.17660126	3.1463487	20	7 30.9	19.2
217372 2004 TN_{171}	15.5	X	347.21812	18.58337	313.35993	16.59577	0.2058067	0.17947199	3.1127072	20	8 26.1	18.8
217373 2004 TZ_{202}	14.7	X	335.11221	102.56375	231.96055	14.51367	0.2471443	0.17611119	3.1521830	20	7 28.9	18.2
217374 2004 TZ_{221}	15.2	X	333.01670	170.35872	145.33913	11.95959	0.2181995	0.17564809	3.1577210	20	7 4.6	18.7
217375 2004 TS_{282}	14.9	X	314.36739	26.38052	293.30979	11.29081	0.1071815	0.17188312	3.2036660	20	6 19.9	19.2
217376 2004 TB_{357}	15.2	X	304.22662	293.32570	87.69825	12.39105	0.1039573	0.17947679	3.1126517	20	8 30.6	19.4
217377 2004 UF_2	15.0	X	208.77332	300.69426	145.32543	9.90100	0.0473615	0.17370301	3.1812502	20	7 22.9	19.7
217378 2004 UQ_2	14.7	X	264.32411	233.36550	174.28177	21.82032	0.0344670	0.17660289	3.1463293	20	8 11.3	19.3
217379 2004 UK_4	14.5	X	347.72086	331.75694	328.02649	17.40150	0.1820843	0.17385729	3.1793679	20	7 20.3	18.1
217380 2004 VE	15.1	X	324.61650	177.98580	152.83817	12.87752	0.2052632	0.17603457	3.1530975	20	7 9.8	18.8
217381 2004 VP_{54}	15.9	X	176.65182	264.28297	208.36477	27.70293	0.3201450	0.22612337	2.6683272	20	7 13.4	21.4
217382 2004 VL_{58}	15.7	X	274.34940	62.55477	318.37195	3.90606	0.1577667	0.17040002	3.2222282	20	7 5.3	20.2
217383 2004 WO_9	16.3	X	256.79403	159.33894	255.21388	8.83401	0.0767402	0.29805057	2.2196070	20	8 14.7	19.1
217384 2004 XD_1	16.9	X	343.20319	94.92947	266.30195	19.15435	0.0844474	0.36945806	1.9235019	20	11 14.8	18.7
217385 2004 XK_1	15.1	X	62.33397	101.46421	304.28734	10.77842	0.1592126	0.19963773	2.8993967	20	—	—
217386 2004 XC_{80}	15.4	X	31.47958	329.95790	85.81486	3.32049	0.2324285	0.19208391	2.9749207	20	—	—
217387 2004 XH_{103}	16.8	X	270.68926	89.99692	301.14727	17.90901	0.0706415	0.35565454	1.9729548	20	8 9.0	18.5
217388 2004 XD_{128}	15.1	X	70.01426	286.80736	98.22144	11.44881	0.0433118	0.19295936	2.9659158	20	—	—
217389 2005 BS_{26}	16.1	X	71.46059	207.07064	326.26206	7.13718	0.1560050	0.21195177	2.7859802	20	6 17.4	19.9
217390 2005 CW_{25}	18.8	X	94.94652	108.94186	148.32964	28.48478	0.4780523	0.47538896	1.6259355	20	12 16.9	22.6
217391 2005 EH_{19}	15.3	X	74.41403	183.52474	171.56246	9.45977	0.0721417	0.17464575	3.1697915	20	—	—
217392 2005 EL_{61}	16.6	X	139.29249	299.17877	302.28285	5.86662	0.1912174	0.29341070	2.2429456	20	12 2.5	20.2
217393 2005 EU_{79}	14.7	X	252.60947	66.88183	91.76547	6.36641	0.1226996	0.17237041	3.1976253	20	12 1.6	19.1
217394 2005 EL_{107}	17.0	X	133.84374	317.33006	321.20527	4.59986	0.1356475	0.29928289	2.2135098	20	—	—
217395 2005 EA_{175}	16.4	X	56.50476	308.48626	334.71343	5.56829	0.1990379	0.28402746	2.2920768	20	11 6.3	19.7
217396 2005 EA_{247}	16.0	X	55.42472	188.61927	152.90268	14.43722	0.0947649	0.23596206	2.5936295	20	12 28.8	19.8
217397 2005 GK_{19}	16.5	X	69.19805	111.92044	199.31581	5.46095	0.2014189	0.28866381	2.2674680	20	12 27.5	20.0
217398 Tihany	17.0	X	45.35436	133.79187	191.31628	6.07872	0.1952416	0.28637313	2.2795434	20	12 20.6	20.2
217399 2005 GV_{112}	17.3	X	41.15234	28.41527	274.38590	3.63135	0.1890546	0.28168205	2.3047824	20	11 13.9	20.3
217400 2005 GT_{179}	15.9	X	267.22787	78.66028	102.28932	31.44728	0.1296335	0.23942568	2.5685551	20	—	—
217401 2005 GY_{223}	17.4	X	25.12718	202.94113	101.19031	4.51052	0.1767101	0.27686812	2.3314212	20	10 24.6	20.0
217402 2005 HP_5	17.0	X	87.59891	58.21799	180.53405	2.91864	0.1751168	0.27885977	2.3203071	20	10 11.6	20.3
217403 2005 JG	16.6	X	356.62479	23.56194	242.38061	12.13989	0.1886270	0.26446366	2.4037652	20	6 19.1	18.5
217404 2005 JH_{36}	17.5	X	327.18742	193.42149	120.94373	5.75074	0.1932558	0.26609269	2.3939445	20	6 28.8	19.5
217405 2005 JQ_{61}	17.1	X	13.25353	12.29827	255.26341	1.47509	0.1789354	0.26866462	2.3786419	20	8 2.2	19.0
217406 2005 JN_{79}	17.2	X	27.75615	22.11610	254.17651	1.45236	0.1904082	0.27256957	2.3558690	20	9 16.2	19.7
217407 2005 JX_{88}	15.9	X	220.56344	257.61295	292.14059	11.85901	0.1264799	0.23369813	2.6103529	20	12 14.3	19.6
217408 2005 KW	17.4	X	331.75370	147.28024	173.41503	6.55155	0.1568110	0.26920301	2.3754694	20	7 23.1	19.4
217409 2005 LQ	17.1	X	343.91535	119.33996	171.42348	3.44111	0.1589978	0.26600355	2.3944794	20	7 1.5	19.0
217410 2005 LJ_{46}	16.4	X	85.41343	187.02621	107.07484	10.66431	0.1623921	0.21423890	2.7661167	20	12 6.5	20.8
217411 2005 LD_{50}	16.0	X	307.45094	16.60021	297.45565	10.91479	0.2481930	0.25654936	2.4529503	20	5 4.1	19.0
217412 2005 MT_1	14.9	X	66.30675	132.42334	266.50061	25.76029	0.3465217	0.21389989	2.7690386	20	1 5.1	17.4
217413 2005 ND_{87}	17.2	X	206.25352	130.38908	293.01936	1.45501	0.1718580	0.25421853	2.4679209	20	6 16.4	21.1
217414 2005 NE_{96}	15.8	X	192.31147	347.30006	276.42837	10.65736	0.1403124	0.22925069	2.6440051	20	—	—
217415 2005 OA_{12}	15.8	X	86.22517	193.88927	146.88490	5.97852	0.1767724	0.21722509	2.7407077	20	—	—
217416 2005 PW_3	16.0	X	244.64505	220.74942	75.00193	7.37970	0.2080011	0.24324502	2.5415973	20	2 13.8	20.2
217417 2005 QB_7	16.3	X	224.76711	114.97800	158.45700	10.45153	0.2534830	0.23371816	2.6102037	20	—	—
217418 2005 QG_{39}	16.7	X	188.56936	227.00718	143.23140	13.87186	0.1763394	0.24138395	2.5546444	20	3 29.2	21.0
217419 2005 QV_{83}	16.3	X	182.46740	312.60515	349.06625	12.97391	0.2557056	0.22794801	2.6540688	20	1 5.5	21.1
217420 Olevsk	16.6	X	214.82476	57.11679	276.07590	11.87795	0.2811511	0.23834981	2.5762787	20	2 24.9	21.5
217421 2005 QO_{151}	16.2	X	15.90684	267.00529	172.48354	6.82381	0.0561904	0.21760650	2.7375043	20	—	—
217422 2005 QC_{170}	15.4	X	171.85854	57.89846	267.43463	13.56183	0.0858656	0.22690685	2.6621814	20	1 10.7	19.4
217423 2005 QC_{171}	16.1	X	130.56932	59.39163	292.47784	5.53870	0.1855549	0.22448921	2.6812609	20	1 11.9	20.1
217424 2005 QO_{178}	16.4	X	235.28393	139.03958	137.09084	5.73044	0.0852129	0.23068393	2.6330422	20	1 17.4	20.3
217425 2005 RF	16.1	X	158.33720	209.26250	126.17990	9.04417	0.1026199	0.22815937	2.6524294	20	1 11.4	20.1
217426 2005 RR_{23}	15.7	X	138.92205	15.91721	321.31748	12.71210	0.2285729	0.22225348	2.6992120	20	1 9.7	20.0
217427 2005 RL_{30}	15.6	X	179.02197	208.60156	122.07842	11.34606	0.3184258	0.22874502	2.6479002	20	2 5.8	20.4
217428 2005 RY_{43}	15.9	X	190.44476	50.53033	252.85371	12.37095	0.2590463	0.22777957	2.6553771	20	1 9.3	20.7
217429 2005 RK_{44}	16.1	X	91.33082	76.87223	305.54535	5.30316	0.0362610	0.22113253	2.7083261	20	—	—
217430 2005 SN_{25}	19.6	X	45.10116	45.16313	168.31231	13.00975	0.2704779	0.72257021	1.2299365	20	9 27.7	19.4
217431 2005 ST_{29}	17.0	X	151.84999	81.23281	294.08804	3.40936	0.1432715	0.23046196	2.6347327	20	2 24.7	21.0
217432 2005 SF_{58}	16.8	X	129.25048	185.56831	197.66200	3.82948	0.1391118	0.22574863	2.6712793	20	2 10.8	20.8
217433 2005 SX_{65}	15.2	X	88.01428	307.12291	35.53427	18.43871	0.1344755	0.21316249	2.7754209	20	—	—
217434 2005 SY_{95}	15.6	X	146.75662	243.60733	29.04899	5.18797	0.1290967	0.21316633	2.7753876	20	—	—
217435 2005 SB_{96}	16.4	X	166.61936	168.20809	182.04573	13.90112	0.1423780	0.22974057	2.6402451	20	2 7.3	20.7
217436 2005 SK_{99}	16.0	X	136.08239	27.16557	305.11879	4.20951	0.1160613	0.21987821	2.7186163	20	—	—
217437 2005 SH_{151}	16.3	X	153.50407	117.27619	194.33662	15.10520	0.1315898	0.21989309	2.7184937	20	—	—
217438 2005 SK_{157}	16.9	X	122.56722	52.26462	337.67500	2.97901	0.0802925	0.22835422	2.6509204	20	2 5.1	20.4
217439 2005 SR_{158}	16.2	X	205.56915	69.96333	237.10787	13.44953	0.1463625	0.23131141	2.6282783	20	1 21.1	20.7
217440 2005 SQ_{192}	16.4	X	127.03284	194.37955	128.10123	0.99899	0.0647515	0.21400053	2.7681704	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217441 2005 SO_{194}	16.4	X	145.91240	116.62327	178.98203	4.86076	0.0929737	0.21969655	2.7201147	20	—	—
217442 2005 SU_{204}	16.3	X	77.00477	238.87119	149.41293	5.44601	0.1230746	0.21857396	2.7294204	20	—	—
217443 2005 SA_{206}	16.5	X	149.86071	229.37512	159.64962	11.56841	0.1451156	0.23276354	2.6173356	20	3 12.7	20.4
217444 2005 SY_{240}	16.0	X	183.55531	288.49249	336.80493	4.13427	0.0722726	0.21570592	2.7535608	20	—	—
217445 2005 SF_{243}	15.9	X	110.76766	166.79473	163.44980	9.50259	0.0716552	0.21546132	2.7556444	20	—	—
217446 2005 SD_{272}	16.4	X	138.64652	224.44038	128.75931	12.33778	0.1732586	0.22554331	2.6729002	20	1 20.1	20.5
217447 2005 SP_{280}	16.1	X	179.53332	235.44029	136.31459	14.38732	0.2371358	0.23551900	2.5968812	20	3 25.5	20.8
217448 2005 TZ_{4}	16.6	X	215.00822	15.80397	280.06064	4.40143	0.3142010	0.23302093	2.6154079	20	1 18.6	21.5
217449 2005 TX_{5}	16.1	X	172.28247	46.77712	251.65148	7.85061	0.1948770	0.22313375	2.6921084	20	—	—
217450 2005 TG_{56}	16.1	X	127.11466	134.60327	181.38947	4.50782	0.0588000	0.21302474	2.7766173	20	—	—
217451 2005 TG_{104}	15.6	X	157.18425	112.44180	233.63531	10.20706	0.0931710	0.22456408	2.6806649	20	1 20.1	19.8
217452 2005 TL_{165}	16.2	X	38.61174	185.40446	224.29483	5.63517	0.0213168	0.21257991	2.7804894	20	—	—
217453 2005 TH_{172}	15.6	X	210.42281	44.31780	274.18695	11.82725	0.1435612	0.23231267	2.6207210	20	2 7.8	20.0
217454 2005 TC_{175}	16.1	X	153.05668	189.55765	138.65707	12.31656	0.1824014	0.22421418	2.6834530	20	1 5.5	20.3
217455 2005 TL_{180}	16.3	X	235.25531	157.10495	137.33527	7.03434	0.1013339	0.23554595	2.5966831	20	2 7.6	20.2
217456 2005 UA_{42}	16.3	X	70.29128	205.38011	193.11461	5.83039	0.1748688	0.21411838	2.7671545	20	—	—
217457 2005 UY_{45}	16.0	X	103.02250	6.86863	350.11217	1.94424	0.0631663	0.21578369	2.7528992	20	—	—
217458 2005 UC_{109}	15.3	X	358.87882	133.90630	167.26909	10.41007	0.0941412	0.18731850	3.0251640	20	8 6.1	19.1
217459 2005 UR_{186}	15.9	X	120.39992	314.84851	284.53399	2.12171	0.0332241	0.19380420	2.9572901	20	10 22.1	20.1
217460 2005 UF_{220}	16.2	X	127.68182	334.72980	330.15725	4.02684	0.0792144	0.21041174	2.7995575	20	—	—
217461 2005 UZ_{274}	15.8	X	125.08934	116.28644	243.42471	8.19152	0.2385485	0.21948797	2.7218377	20	1 20.5	20.0
217462 2005 UV_{322}	16.1	X	218.21981	30.86587	223.32013	7.30364	0.1752637	0.21626053	2.7488511	20	—	—
217463 2005 UO_{385}	16.2	X	93.41075	249.98742	142.68199	5.96957	0.1441462	0.22065482	2.7122337	20	1 11.6	19.7
217464 2005 UR_{386}	15.7	X	146.24620	218.75481	138.01616	13.03252	0.3265082	0.22571574	2.6715388	20	2 13.9	20.2
217465 2005 UG_{477}	16.2	X	61.71039	152.12988	184.80517	2.04459	0.0850248	0.20061848	2.8899395	20	12 20.5	20.3
217466 2005 VV_{4}	16.2	X	161.30341	216.56071	117.03488	16.05714	0.1361053	0.22793499	2.6541699	20	1 15.4	20.1
217467 2005 VQ_{49}	16.3	X	105.06790	27.99540	307.66704	3.45853	0.0743207	0.21160593	2.7890148	20	—	—
217468 2005 VZ_{126}	17.2	X	280.95871	106.83779	161.65235	3.49712	0.1629035	0.23857631	2.5746478	20	2 16.8	20.9
217469 2005 WQ_{21}	15.5	X	14.59829	35.92056	257.18467	8.27274	0.0947144	0.18288155	3.0738980	20	8 17.7	19.6
217470 2005 WZ_{25}	15.9	X	292.12652	93.36905	345.56365	2.26997	0.0607753	0.19286907	2.9668413	20	10 27.9	19.9
217471 2005 WL_{97}	16.1	X	28.70823	64.09652	289.72432	0.89485	0.0735508	0.19662968	2.9288918	20	11 27.9	19.8
217472 2005 WV_{105}	15.9	X	62.80574	204.33748	143.53604	9.97798	0.1506196	0.20491462	2.8494044	20	—	—
217473 2005 WU_{111}	15.3	X	234.32276	209.99818	237.15741	8.69526	0.0452770	0.18304211	3.0721002	20	8 21.5	19.8
217474 2005 WP_{113}	16.0	X	110.05306	36.32032	305.26039	8.78004	0.2683425	0.21541992	2.7559975	20	—	—
217475 2005 WO_{157}	17.0	X	138.26837	200.21051	100.91548	7.20336	0.1243048	0.26932868	2.3747304	20	—	—
217476 2005 WS_{191}	16.6	X	86.93148	224.64166	157.56850	5.92253	0.1241219	0.21610860	2.7501393	20	—	—
217477 2005 XZ_{10}	15.1	X	3.23477	169.32689	99.13199	7.10086	0.1331543	0.17362238	3.1822350	20	7 1.6	18.6
217478 2005 XE_{36}	17.0	X	19.68653	53.17519	77.60291	4.13824	0.0658247	0.28270087	2.2992417	20	1 8.2	19.4
217479 2005 XV_{116}	16.8	X	154.67209	76.23186	172.05648	2.66335	0.1586518	0.25835174	2.4415285	20	12 20.2	20.6
217480 2005 YM_{49}	15.4	X	202.25113	228.54095	118.38308	17.87880	0.0581672	0.22021568	2.7158382	20	3 17.6	19.6
217481 2005 YW_{170}	14.8	X	224.33534	289.97045	148.58207	15.59917	0.1260985	0.17198651	3.2023819	20	7 23.5	19.8
217482 2005 YS_{249}	15.3	X	327.05178	15.17932	300.78332	4.48173	0.1951660	0.17342213	3.1846842	20	6 25.6	18.8
217483 2005 YG_{290}	17.4	X	204.16743	253.22247	0.31073	2.20438	0.1629816	0.26687072	2.3892895	20	—	—
217484 2006 BK_{231}	17.0	X	252.81688	203.81753	48.68929	2.87703	0.1690779	0.27385434	2.3484949	20	—	—
217485 2006 BT_{270}	15.8	X	105.71942	129.21672	327.43124	24.94549	0.1176104	0.21711141	2.7416644	20	3 31.3	20.2
217486 2006 DX_{122}	17.1	X	306.27080	228.40640	166.68507	22.51855	0.0923611	0.38168693	1.8821946	20	11 12.1	19.0
217487 2006 DD_{200}	15.5	X	133.19980	171.28794	316.76020	14.36728	0.0749572	0.22587253	2.6703023	20	6 24.6	19.5
217488 2006 EB_{45}	14.8	X	347.99119	23.01876	32.33530	10.94589	0.0945195	0.18461064	3.0546742	20	12 16.1	18.8
217489 2006 FP_{43}	15.2	X	229.30285	109.01800	23.35770	30.41099	0.0653113	0.24007651	2.5639110	20	10 19.9	18.5
217490 2006 GV_{12}	16.8	X	17.17337	258.98390	56.23461	5.20826	0.1471240	0.30100591	2.2050547	20	10 27.6	19.0
217491 2006 HB_{23}	16.3	X	147.07262	295.83212	86.11782	3.07681	0.0794091	0.20110033	2.8853213	20	2 27.5	20.5
217492 2006 HG_{127}	16.2	X	347.39008	273.16460	166.82161	0.70360	0.1614179	0.18029139	3.1032688	20	—	—
217493 2006 KK_{69}	16.2	X	43.37501	237.49978	98.67407	15.63027	0.1242462	0.23833827	2.5763618	20	12 13.2	19.7
217494 2006 RK_{2}	17.0	X	349.43539	243.80407	57.03415	6.79768	0.1422816	0.27709313	2.3301589	20	8 5.5	19.0
217495 2006 SU_{3}	15.6	X	11.38705	116.84403	1.74126	31.11831	0.2937407	0.23314590	2.6144732	20	—	—
217496 2006 SK_{6}	17.3	X	155.61978	189.21791	84.11374	0.90818	0.2048216	0.30692219	2.1766262	20	—	—
217497 2006 SJ_{55}	15.6	X	319.74349	258.62559	140.44919	9.69666	0.1595831	0.21183469	2.7870066	20	10 21.7	18.6
217498 2006 SS_{63}	17.5	X	113.15762	233.00204	67.11629	4.73347	0.1884122	0.30120638	2.2040762	20	—	—
217499 2006 SW_{63}	16.8	X	53.16701	212.64577	141.36933	4.33297	0.1573018	0.29556231	2.2320470	20	—	—
217500 2006 SA_{314}	17.4	X	135.96398	97.32689	141.52511	2.13088	0.0762563	0.28957873	2.2626894	20	11 28.7	20.3
217501 2006 SU_{351}	17.9	X	66.71221	237.91906	113.46543	2.47890	0.1443812	0.29896717	2.2150680	20	—	—
217502 2006 SA_{392}	17.4	X	73.04333	197.45442	53.20250	3.40730	0.2669804	0.28224652	2.3017085	20	10 22.2	20.9
217503 2006 SL_{406}	16.3	X	165.40425	324.29702	68.55775	7.27030	0.1842520	0.24308218	2.5427323	20	4 5.3	20.5
217504 2006 TK_{4}	16.9	X	284.71818	252.64645	180.84898	6.23590	0.0714673	0.27964229	2.3159765	20	10 30.4	19.3
217505 2006 TQ_{11}	15.5	X	28.75528	334.94682	58.32864	10.07699	0.1490354	0.22215398	2.7000180	20	—	—
217506 2006 TM_{55}	17.0	X	31.35923	269.35553	99.41261	6.77684	0.1936714	0.29262404	2.2469636	20	—	—
217507 2006 TS_{62}	15.3	X	339.74342	272.92418	337.59460	10.65065	0.0363685	0.18868899	3.0104980	20	4 28.7	19.6
217508 2006 TE_{103}	16.8	X	98.23897	295.19860	267.54755	1.63419	0.1070816	0.27041764	2.3683508	20	8 26.9	20.1
217509 2006 TG_{109}	15.8	X	35.43929	218.92924	73.16092	8.03720	0.0494276	0.20387944	2.8590413	20	9 22.2	19.7
217510 Dewaldroode	15.7	X	17.29652	51.36473	160.05681	12.67769	0.1523767	0.25717868	2.4489471	20	5 11.6	18.2
217511 2006 UP_{1}	17.1	X	61.48231	308.18696	25.67225	4.35640	0.1704449	0.29394074	2.2402485	20	—	—
217512 2006 UU_{4}	17.6	X	71.32514	218.90866	107.52418	1.21349	0.1363098	0.29500057	2.2348797	20	—	—
217513 2006 UC_{78}	17.6	X	51.49935	87.39676	281.30845	1.58995	0.0900950	0.29617679	2.2289587	20	—	—
217514 2006 UQ_{99}	17.5	X	52.88580	163.82745	140.13675	3.45931	0.1846161	0.28542227	2.2846034	20	11 30.8	20.6
217515 2006 UR_{99}	17.3	X	30.09451	210.72069	75.41186	5.30295	0.2216167	0.27771011	2.3267064	20	10 14.6	19.9
217516 2006 UR_{140}	17.0	X	44.56737	346.78067	311.17201	2.55641	0.2541194	0.28304860	2.2973582	20	11 20.7	20.1
217517 2006 UZ_{143}	17.1	X	90.67594	30.31580	304.84161	1.64668	0.2718566	0.29889531	2.2154229	20	—	—
217518 2006 UL_{187}	15.1	X	348.43665	322.99907	273.75203	13.01849	0.0355531	0.18648964	3.0341210	20	4 23.5	19.4
217519 2006 UB_{191}	16.6	X	37.57397	15.56359	300.03608	6.12914	0.1405409	0.28514797	2.2860683	20	11 19.4	19.4
217520 2006 UC_{191}	16.8	X	46.48486	47.77178	279.15794	6.56679	0.1643662	0.28935833	2.2638383	20	12 21.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217521 2006 UL_{225}	16.4	X	98.62164	313.78153	318.37827	6.33027	0.1139997	0.28885713	2.2664562	20	11 30.5	19.7
217522 2006 UN_{328}	16.9	X	125.67913	5.64969	112.17932	4.05322	0.1446050	0.25378913	2.4707039	20	6 8.2	20.6
217523 2006 VV_{50}	16.1	X	87.81809	312.18090	262.84443	6.97584	0.1187985	0.26355887	2.4092634	20	8 28.8	19.6
217524 2006 VA_{69}	16.9	X	339.80487	63.81926	234.66671	1.68191	0.1999688	0.26458617	2.4030232	20	7 2.4	18.4
217525 2006 VJ_{151}	16.6	X	66.17421	183.34018	121.31614	5.64012	0.1890676	0.28833129	2.2692109	20	12 16.1	20.0
217526 2006 VB_{169}	17.1	X	205.20467	247.57886	190.24660	2.44643	0.1689216	0.25740376	2.4475193	20	7 4.2	20.9
217527 2006 WS_{62}	16.3	X	191.69612	228.59315	44.59536	12.79441	0.2571418	0.23024738	2.6363694	20	—	—
217528 2006 WW_{68}	17.2	X	354.71417	226.55973	162.32271	3.20003	0.1707476	0.28478479	2.2880114	20	—	—
217529 2006 WA_{157}	16.8	X	54.44579	30.72167	288.48637	6.25278	0.1519702	0.28803550	2.2707642	20	12 18.3	19.8
217530 2006 WJ_{188}	16.8	X	312.79719	336.89485	306.18914	1.60395	0.1957667	0.25551695	2.4595533	20	4 10.4	19.7
217531 2006 WR_{190}	16.2	X	346.92406	128.76638	67.27175	6.18186	0.0996560	0.23717972	2.5847448	20	2 24.5	19.2
217532 2006 WU_{201}	16.4	X	142.89227	239.82082	134.17861	10.01471	0.0940208	0.22961471	2.6412099	20	2 10.4	20.2
217533 2006 XK_{61}	15.9	X	264.33229	20.93117	322.05362	5.31700	0.1300156	0.25388027	2.4701126	20	5 5.6	19.4
217534 2006 YW_{33}	16.4	X	291.62795	276.97977	84.81776	9.50187	0.2421498	0.26286661	2.4134914	20	6 23.3	18.9
217535 2006 YC_{42}	16.2	X	229.61673	269.65193	94.13261	3.19274	0.1714528	0.25181637	2.4835910	20	4 24.3	20.0
217536 2006 YB_{48}	15.3	X	103.27691	47.60374	132.23954	17.79266	0.0595937	0.17527854	3.1621579	20	7 20.4	19.8
217537 2006 YU_{48}	15.5	X	304.31547	242.57805	280.95084	13.36971	0.0345731	0.21956159	2.7212293	20	—	—
217538 2006 YB_{49}	16.4	X	321.85249	339.90739	310.04331	5.24623	0.1276151	0.25697084	2.4502674	20	5 16.7	19.1
217539 2007 AS_{13}	15.5	X	137.28486	0.38571	287.29054	7.54627	0.2026460	0.21063526	2.7975767	20	—	—
217540 2007 BS_{3}	15.9	X	102.73462	254.71329	123.19212	13.55793	0.1134106	0.22325213	2.6911566	20	1 1.1	19.5
217541 2007 BZ_{20}	15.7	X	296.96198	233.63154	150.92193	13.74872	0.2083622	0.26595146	2.3947920	20	8 13.8	17.9
217542 2007 BA_{21}	15.5	X	105.77540	236.56890	120.78113	25.88243	0.1272798	0.21882163	2.7273605	20	—	—
217543 2007 CC_{29}	15.7	X	109.51498	182.88995	129.72439	10.28839	0.1448717	0.20846230	2.8169839	20	—	—
217544 2007 CY_{38}	15.7	X	128.79972	178.09223	140.36681	14.20600	0.1910975	0.21176189	2.7876453	20	—	—
217545 2007 DM_{1}	15.3	X	4.45772	131.60518	159.02667	9.30743	0.1937456	0.17697861	3.1418747	20	8 6.6	18.7
217546 2007 DC_{65}	15.4	X	8.24941	136.89258	160.80612	12.85277	0.0731791	0.17766819	3.1337398	20	8 14.4	19.5
217547 2007 DB_{86}	15.0	X	331.20528	169.61148	154.23809	20.21051	0.2243163	0.17553924	3.1590263	20	7 11.7	18.6
217548 2007 EW_{209}	12.6	X	308.07997	177.62858	102.84675	23.66444	0.1589220	0.08215932	5.2404047	20	4 29.1	19.5
217549 2007 FP_{31}	15.8	X	129.56596	105.69181	16.05053	13.74466	0.0471799	0.23621944	2.5917452	20	6 4.7	19.6
217550 2007 GB_{24}	15.6	X	227.07165	268.78568	42.73074	12.88803	0.2154914	0.21094977	2.7947953	20	2 24.0	20.6
217551 2007 GC_{24}	17.7	X	200.90219	234.25125	28.44355	2.43773	0.1935603	0.27347523	2.3506649	20	—	—
217552 2007 GA_{25}	16.2	X	126.50753	20.22212	228.48482	11.88087	0.1297032	0.25667944	2.4521215	20	11 25.0	20.0
217553 2007 GA_{47}	15.5	X	23.27698	3.11296	213.29007	17.89153	0.1362486	0.22896605	2.6461959	20	5 27.4	18.5
217554 2007 HJ_{21}	14.8	X	305.38081	356.93840	34.36342	13.59014	0.1404943	0.17464999	3.1697403	20	9 11.6	18.9
217555 2007 HC_{28}	15.9	X	239.00129	247.93549	64.53369	3.21497	0.1622507	0.21440276	2.7647072	20	3 4.0	20.2
217556 2007 HB_{63}	17.4	X	316.65452	213.54030	49.98743	4.92875	0.1346230	0.29976011	2.2111599	20	3 28.6	19.7
217557 2007 JX_{4}	16.4	X	3.77652	96.98734	223.31450	6.08696	0.2202028	0.24034101	2.5620295	20	10 4.3	18.8
217558 2007 JB_{22}	15.4	X	111.37801	300.93504	199.31499	28.35570	0.0485024	0.23053566	2.6341711	20	6 8.2	19.6
217559 2007 MS_{14}	17.2	X	297.12166	206.20826	117.85417	7.40489	0.1732369	0.29689091	2.2253831	20	5 21.3	19.6
217560 2007 OG	16.2	X	101.40676	10.40281	255.43217	10.72346	0.1223273	0.24560537	2.5252874	20	11 18.4	20.0
217561 2007 OQ_{2}	16.8	X	240.56205	156.39507	112.75811	6.22989	0.1292901	0.27375446	2.3490661	20	1 6.4	20.3
217562 2007 PO_{5}	16.4	X	94.88688	25.90307	313.39758	1.37636	0.1983584	0.25448909	2.4661715	20	—	—
217563 2007 PJ_{17}	16.5	X	127.81760	222.93049	137.14668	6.40988	0.1675451	0.26529678	2.3987301	20	1 9.8	19.7
217564 2007 PC_{27}	16.5	X	329.94977	329.92954	18.81542	3.03420	0.1464121	0.22538948	2.6741163	20	8 29.8	19.0
217565 2007 RR_{32}	16.4	X	131.46630	221.30708	121.85166	5.71121	0.1233587	0.25899869	2.4374610	20	—	—
217566 2007 RU_{36}	15.5	X	118.06355	315.50228	40.48527	1.37014	0.1788771	0.17933330	3.1143118	20	1 9.7	20.1
217567 2007 TS_{81}	16.8	X	27.72886	260.32457	101.52124	3.04665	0.1648969	0.23543192	2.5975215	20	12 30.3	20.1
217568 2007 TC_{111}	16.5	X	351.53905	36.89552	352.09046	16.75890	0.1718097	0.23435803	2.6054505	20	12 10.1	19.7
217569 2007 TQ_{324}	16.9	X	280.35556	330.16956	308.52098	4.85856	0.2433589	0.27612270	2.3356153	20	2 15.4	20.4
217570 2007 TQ_{412}	16.2	X	20.70846	23.87237	333.11179	12.11665	0.1093206	0.23438179	2.6052744	20	12 4.1	19.8
217571 2007 UJ_{63}	16.3	X	36.57610	85.37816	35.39444	0.21019	0.1418113	0.18038108	3.1022400	20	2 13.3	19.8
217572 2007 VM_{91}	15.6	X	250.54550	309.91142	294.83838	30.97764	0.2409205	0.23455127	2.6040192	20	—	—
217573 2007 VE_{193}	16.4	X	341.13962	274.41754	112.74839	3.04852	0.0870369	0.21814206	2.7330219	20	11 10.2	19.5
217574 2007 VN_{279}	15.6	X	331.43093	132.73299	45.11529	1.69910	0.1290019	0.17365203	3.1818727	20	1 13.6	19.6
217575 2007 VK_{301}	16.1	X	49.74277	206.96423	187.81569	13.26538	0.1970970	0.24224306	2.5486009	20	—	—
217576 Klausbirkner	16.0	X	147.37119	91.29903	324.58280	5.56181	0.2404143	0.18813298	3.0164266	20	4 17.3	21.2
217577 2008 AC_{114}	17.3	X	351.13120	88.65186	154.62765	1.43475	0.1528426	0.25653792	2.4530233	20	5 1.4	19.3
217578 2008 AC_{128}	17.0	X	121.63641	342.05904	292.07472	6.30175	0.1081806	0.29654014	2.2271376	20	12 29.7	20.0
217579 2008 BC_{32}	16.9	X	334.38733	297.82221	327.06191	1.48965	0.1607132	0.25675944	2.4516122	20	4 28.2	19.3
217580 2008 CK_{8}	17.0	X	341.28384	7.09548	294.78897	0.77509	0.1828461	0.26595196	2.3947890	20	7 13.7	18.6
217581 2008 CY_{24}	16.4	X	293.85829	190.21030	121.64538	4.60601	0.2467110	0.25639020	2.4539654	20	4 17.9	19.6
217582 2008 CV_{25}	15.5	X	42.95657	33.48316	185.31493	4.67097	0.1255978	0.18027977	3.1034022	20	6 30.5	19.4
217583 2008 CL_{86}	17.0	X	324.26488	169.30618	125.61397	6.98097	0.1493906	0.26017733	2.4300940	20	5 29.3	19.5
217584 2008 CP_{86}	16.0	X	170.50012	161.91754	141.39633	14.05707	0.2685939	0.22513018	2.6761692	20	—	—
217585 2008 CR_{181}	15.8	X	106.98113	125.60977	152.77984	20.92445	0.1161492	0.21037476	2.7998856	20	12 6.8	20.6
217586 2008 CR_{193}	17.1	X	348.68138	117.00097	167.84639	1.31228	0.1789351	0.26408685	2.4060512	20	7 2.5	18.7
217587 2008 DL_{26}	16.9	X	208.54978	167.32247	320.98863	4.19780	0.0882400	0.28101457	2.3084306	20	9 22.2	19.9
217588 2008 DM_{28}	15.6	X	336.55922	89.29546	142.52413	26.03842	0.1756860	0.17213352	3.2005584	20	3 28.7	19.8
217589 2008 EC_{43}	16.0	X	217.01019	93.42750	144.36159	5.12750	0.0776838	0.21784913	2.7354713	20	—	—
217590 2008 EJ_{45}	16.8	X	164.67164	283.05267	333.39180	0.71299	0.0377615	0.21292483	2.7774857	20	—	—
217591 2008 EJ_{49}	16.4	X	210.59017	15.50146	215.27548	0.92607	0.1717342	0.21661998	2.7458093	20	—	—
217592 2008 EK_{89}	16.2	X	241.84632	132.36902	97.91424	10.48434	0.2277668	0.22015908	2.7163037	20	—	—
217593 2008 FK_{3}	17.0	X	340.20439	184.36043	123.17680	4.28082	0.1348177	0.26568648	2.3963840	20	7 22.3	18.9
217594 2008 FZ_{55}	16.2	X	177.70115	190.73338	121.16557	5.99661	0.1365299	0.22723071	2.6596513	20	1 5.3	20.3
217595 2008 FL_{61}	16.1	X	198.83999	149.05549	126.71115	4.96733	0.1193035	0.22258758	2.6965103	20	—	—
217596 2008 GA_{42}	16.2	X	81.07074	221.17763	126.93075	4.46732	0.1018052	0.20968475	2.8060247	20	—	—
217597 2008 GA_{127}	14.9	X	264.20669	227.80747	124.10988	12.36297	0.0657451	0.16842309	3.2473939	20	6 1.3	19.7
217598 2008 GF_{137}	15.7	X	190.73153	24.56356	217.11512	13.47079	0.1161659	0.21317888	2.7752786	20	—	—
217599 2008 HV_{7}	15.6	X	14.66805	141.92663	123.51688	12.49846	0.0579332	0.17543280	3.1603040	20	7 12.3	19.7
217600 2008 JD_{6}	15.8	X	267.74956	25.84423	220.90695	11.67263	0.2084905	0.22518184	2.6757599	20	1 4.3	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217601 2008 JZ_{14}	16.1	X	166.73185	214.17525	111.18807	6.16486	0.1161018	0.21915151	2.7246229	20	1 10.5	20.3
217602 2008 JH_{15}	16.4	X	263.88249	232.13027	169.17672	7.57377	0.1247970	0.26129439	2.4231632	20	7 27.8	19.6
217603 Grove Creek	14.9	X	20.67113	58.45551	231.78375	16.25002	0.1192629	0.17773848	3.1329135	20	8 22.0	19.2
217604 2008 KY_{24}	14.4	X	136.25513	190.98585	142.96435	14.90908	0.2508405	0.12634949	3.9332697	20	1 14.8	20.7
217605 2008 KM_{27}	16.3	X	70.20330	197.29339	136.18986	6.92292	0.0827397	0.20179656	2.8786810	20	12 25.9	20.6
217606 2008 RU_{89}	16.5	X	84.42077	119.36159	218.71900	5.91670	0.1402159	0.26736099	2.3863676	20	—	—
217607 2008 RP_{119}	15.2	X	68.36602	267.65109	134.95754	10.95262	0.1087803	0.18982939	2.9984289	20	—	—
217608 2008 SG_{184}	16.0	X	231.66980	345.02151	42.20321	6.62462	0.1096925	0.21927489	2.7236007	20	5 30.3	20.2
217609 2008 SW_{254}	15.9	X	234.58587	36.89889	321.19550	5.28692	0.0561482	0.21828264	2.7318484	20	4 29.7	20.0
217610 2008 TW_{19}	17.4	X	110.85477	320.69443	24.15445	1.83703	0.2042414	0.27225771	2.3576677	20	—	—
217611 2008 TN_{20}	16.2	X	182.45585	295.39682	34.83113	6.05670	0.0898449	0.19874808	2.9080425	20	2 4.3	20.7
217612 2008 TD_{126}	12.5	X	256.58635	253.91722	219.26853	14.17841	0.0219792	0.08132365	5.2762433	20	10 9.6	19.5
217613 2008 UU_{46}	16.2	X	263.44769	297.36448	16.63941	4.48221	0.0574885	0.21078252	2.7962735	20	4 10.1	20.2
217614 2008 UG_{185}	15.6	X	183.46548	54.65386	231.62598	4.70501	0.0683155	0.18400601	3.0613621	20	—	—
217615 2008 UW_{200}	15.2	X	80.26539	320.70855	40.65205	9.65530	0.1425449	0.18180558	3.0860141	20	—	—
217616 2008 UY_{273}	15.7	X	93.13872	45.99305	38.97969	9.59038	0.0288172	0.20055362	2.8905626	20	3 8.8	19.8
217617 2008 UA_{342}	15.7	X	194.03248	103.72087	185.61803	1.91735	0.0838207	0.19082310	2.9880103	20	—	—
217618 2008 VA_{19}	16.1	X	210.49035	125.69853	203.38894	6.15292	0.0622164	0.20381844	2.8596117	20	2 26.9	20.4
217619 2008 VX_{31}	16.3	X	236.71664	283.49745	89.47426	5.69057	0.1298814	0.21977173	2.7194944	20	5 17.4	20.4
217620 2009 BH_{10}	17.1	X	55.23291	231.84441	289.43918	17.35936	0.0812371	0.36746299	1.9304578	20	4 2.9	19.2
217621 2009 BG_{156}	17.3	X	2.01673	30.75846	158.33945	3.00649	0.1229463	0.26925350	2.3751724	20	2 29.7	19.6
217622 2009 GL_{5}	16.1	X	286.39213	184.85424	74.80554	9.51535	0.1464149	0.26107395	2.4245270	20	2 15.1	19.6
217623 2009 HY_{59}	17.6	X	311.79674	168.14844	122.29968	2.15475	0.1845216	0.26819363	2.3814259	20	4 22.6	20.0
217624 5003 $T–2$	16.2	X	211.60298	125.07801	259.24374	5.58961	0.2603285	0.24557187	2.5255170	20	4 27.6	20.7
217625 5408 $T–2$	16.1	X	271.35273	108.58138	227.61701	12.56086	0.1796608	0.22603197	2.6690465	20	4 30.9	20.1
217626 1027 $T–3$	15.8	X	0.29869	78.78492	241.20614	10.61061	0.3280969	0.18365234	3.0652912	20	9 21.6	18.6
217627 1064 $T–3$	17.1	X	323.07008	135.63929	239.57283	8.06958	0.2016854	0.27486532	2.3427328	20	10 1.1	18.8
217628 Lugh	16.5	X	131.91683	310.86876	182.43682	4.03911	0.7050298	0.24184020	2.5514304	20	7 26.9	22.4
217629 1992 SJ_{5}	15.8	X	351.31145	208.16305	354.33694	15.08777	0.1235665	0.23482591	2.6019885	20	3 7.8	18.6
217630 1993 BQ_{9}	17.0	X	13.69589	214.61579	82.13782	2.43120	0.1809928	0.27013856	2.3699817	20	9 22.3	19.1
217631 1993 TG_{15}	15.5	X	320.85355	169.04805	192.19559	13.79937	0.1328711	0.17913605	3.1165975	20	8 19.2	19.4
217632 1993 TA_{25}	15.6	X	296.78645	223.68564	165.60881	5.52367	0.1490505	0.17834488	3.1258079	20	8 17.7	19.6
217633 1995 VQ_{4}	17.1	X	346.27557	254.99502	112.23019	2.94113	0.2140046	0.27714055	2.3298931	20	11 22.4	18.9
217634 1995 VQ_{8}	17.4	X	217.76305	271.24908	214.14419	0.76484	0.1283294	0.27182044	2.3601955	20	9 24.6	20.6
217635 1996 GV_{7}	15.8	X	318.71257	274.85319	75.96034	2.68069	0.1034936	0.17389230	3.1789411	20	8 8.1	19.8
217636 1996 PH_{3}	17.0	X	133.54063	284.63118	323.63527	15.34753	0.0290295	0.38009115	1.8874591	20	—	—
217637 1996 VT_{10}	17.2	X	154.86132	292.57789	334.40007	7.10526	0.1131567	0.29752697	2.2222103	20	—	—
217638 1996 XS_{8}	16.1	X	60.61212	138.21589	274.53569	8.51841	0.1534993	0.21631190	2.7484158	20	—	—
217639 1996 XH_{20}	17.1	X	123.53586	106.57679	279.05398	0.71032	0.2965529	0.22213555	2.7001673	20	2 26.8	21.4
217640 1997 EQ_{26}	17.0	X	351.03777	282.14810	2.69763	2.66031	0.1626988	0.26374249	2.4081451	20	7 9.1	19.0
217641 1997 ND_{6}	15.6	X	63.15860	85.50745	157.96508	5.47053	0.1373736	0.17361437	3.1823329	20	8 31.8	19.9
217642 1997 UD_{22}	16.4	X	199.96474	259.91226	124.26646	8.58350	0.2092355	0.24139207	2.5545871	20	4 24.8	20.8
217643 1997 WN_{10}	16.5	X	175.07259	178.99954	235.61354	6.26014	0.2544918	0.24069713	2.5595018	20	5 8.5	21.0
217644 1998 DE_{31}	16.5	X	156.75782	328.66137	359.24063	5.99586	0.0691077	0.21727737	2.7402681	20	—	—
217645 1998 FJ_{14}	17.1	X	107.42328	99.10402	176.40989	21.13443	0.0946346	0.37899170	1.8911077	20	—	—
217646 1998 KQ_{26}	15.5	X	352.77509	172.44555	145.15756	14.91118	0.1140672	0.18543408	3.0456244	20	8 20.6	18.9
217647 1998 OR_{11}	16.3	X	326.35442	67.17634	315.37411	22.33790	0.2950594	0.27118752	2.3638663	20	10 8.1	18.3
217648 1998 QB_{20}	14.9	X	303.33468	96.63647	273.55436	6.26370	0.2269294	0.17583367	3.1554989	20	7 21.4	18.6
217649 1998 QH_{20}	15.3	X	329.42783	35.81226	302.46143	9.35639	0.2252651	0.17696625	3.1420210	20	7 28.9	18.6
217650 1998 QN_{29}	15.5	X	270.98839	101.57009	312.72983	14.95199	0.2242945	0.17601935	3.1532794	20	8 3.1	19.9
217651 1998 QF_{35}	15.2	X	306.29283	214.64297	150.81309	17.96057	0.2167241	0.17589348	3.1547835	20	7 21.7	19.1
217652 1998 QX_{41}	16.1	X	322.53855	15.27663	344.11993	10.62561	0.2800569	0.26857981	2.3791426	20	8 29.1	16.9
217653 1998 QA_{75}	15.7	X	307.30583	165.15769	205.57066	14.81214	0.2638642	0.17528291	3.1621053	20	7 20.1	19.7
217654 1998 RM_{1}	16.9	X	270.93616	76.70772	345.54724	28.79715	0.2473299	0.35882606	1.9613122	20	9 4.8	18.1
217655 1998 RW_{10}	16.5	X	45.79272	76.74809	170.28458	6.41676	0.0990960	0.26595373	2.3947784	20	8 16.0	19.3
217656 1998 RY_{43}	16.5	X	354.19318	280.09667	39.41165	3.11736	0.1984753	0.26884184	2.3775965	20	9 19.2	18.1
217657 1998 RF_{61}	14.8	X	359.94811	339.01034	357.38759	18.67162	0.2816588	0.17924331	3.1153540	20	10 7.1	17.9
217658 1998 RB_{81}	17.1	X	352.79737	42.58585	302.26070	4.77503	0.2731745	0.27165586	2.3611487	20	11 6.3	18.9
217659 1998 SP_{20}	17.6	X	232.94642	255.96168	180.97423	1.86021	0.2006504	0.26367932	2.4085297	20	7 28.7	21.2
217660 1998 SD_{32}	15.6	X	344.52274	207.12542	140.14839	0.72613	0.2055016	0.17927815	3.1149504	20	9 16.2	18.8
217661 1998 SK_{54}	14.9	X	337.20099	343.73083	346.65655	10.19853	0.2215300	0.17600522	3.1534481	20	8 7.8	18.1
217662 1998 SM_{68}	16.8	X	292.48693	120.10402	268.95079	5.50332	0.1528070	0.26751006	2.3854811	20	8 19.8	19.2
217663 1998 SD_{77}	15.0	X	8.55849	21.67992	265.30364	3.94571	0.1245148	0.17530896	3.1617921	20	8 3.9	18.8
217664 1998 SQ_{99}	15.3	X	269.89069	192.70764	199.99389	17.13360	0.1157686	0.17184605	3.2041266	20	7 16.9	20.2
217665 1998 SX_{109}	15.3	X	328.15077	124.08627	206.21050	26.40379	0.2187742	0.17375376	3.1806306	20	7 9.2	19.5
217666 1998 SJ_{116}	14.7	X	243.47318	241.10362	202.83505	26.74405	0.2270210	0.17270390	3.1935075	20	8 2.9	20.2
217667 1998 ST_{127}	16.5	X	341.91061	219.61736	135.48164	4.02538	0.2750288	0.26945511	2.3739875	20	10 30.1	17.8
217668 1998 UG_{1}	14.6	X	290.45914	97.81281	274.93411	24.62923	0.2437179	0.17161935	3.2069477	20	7 1.8	18.7
217669 1998 UH_{6}	17.2	X	285.02341	282.01470	113.58701	3.26214	0.2231928	0.26418120	2.4054783	20	8 6.6	19.7
217670 1998 UQ_{6}	13.1	X	270.60401	54.59090	15.33499	2.98735	0.0311240	0.08591858	5.0864096	20	9 8.8	19.7
217671 1998 UH_{24}	16.4	X	333.94916	223.05761	110.48675	5.99653	0.2308599	0.26586768	2.3952951	20	8 20.2	17.7
217672 1998 UD_{28}	14.6	X	349.80122	331.84126	35.32843	28.51506	0.1423135	0.17775386	3.1327329	20	10 23.5	18.2
217673 1998 UP_{30}	17.1	X	281.94187	243.21816	152.85942	5.18219	0.2410887	0.26321784	2.4113440	20	7 28.5	19.9
217674 1998 VU_{40}	16.3	X	304.05633	131.30115	215.50139	5.30295	0.1499688	0.26067514	2.4269992	20	7 8.0	18.9
217675 1998 WL_{42}	15.6	X	202.18049	235.89097	223.53677	2.45625	0.1080032	0.16747172	3.2596807	20	7 27.7	20.7
217676 1999 AM_{18}	15.0	X	32.11875	338.19342	52.94150	12.67363	0.1526810	0.18693137	3.0293393	20	—	—
217677 1999 BW_{30}	16.7	X	35.70949	35.99803	314.76625	4.48647	0.1110322	0.26605340	2.3941802	20	12 26.6	19.9
217678 1999 CY_{10}	15.7	X	110.90118	283.79803	162.91740	18.10552	0.2075887	0.24112292	2.5564878	20	4 23.6	19.7
217679 1999 CT_{80}	15.7	X	251.63979	277.43480	296.98792	8.86779	0.2729555	0.22302100	2.6930156	20	—	—
217680 1999 CC_{86}	15.3	X	108.70791	175.60474	321.83507	5.73305	0.1207133	0.24577306	2.5241386	20	6 11.7	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217681 1999 JS_{29}	15.9	X	159.66569	184.51879	90.53195	2.58336	0.1997082	0.21253558	2.7808760	20	—	—
217682 1999 RO_{26}	15.6	X	72.07970	266.79305	3.63989	23.14863	0.2626030	0.28697716	2.2763436	20	11 4.8	19.6
217683 1999 RP_{36}	18.7	X	73.34175	321.70957	57.89531	5.48354	0.4158711	0.29637506	2.2279646	20	—	—
217684 1999 RT_{61}	17.0	X	110.43136	146.35018	167.05725	7.30789	0.1740374	0.29752984	2.2221960	20	—	—
217685 1999 RG_{78}	16.7	X	30.98264	98.85676	289.59413	4.44395	0.1260371	0.29389532	2.2404793	20	—	—
217686 1999 RY_{90}	16.7	X	74.74970	352.81888	11.20984	6.51866	0.2751937	0.29594283	2.2301334	20	—	—
217687 1999 RT_{91}	16.5	X	39.02620	50.20567	350.92905	2.05287	0.2116496	0.29446397	2.2375939	20	—	—
217688 1999 RS_{164}	17.2	X	73.78342	86.39605	240.17250	3.14381	0.1910502	0.29320248	2.2440074	20	—	—
217689 1999 RH_{181}	15.9	X	249.17856	343.47212	185.98287	1.48465	0.0194513	0.19937511	2.9019422	20	12 30.6	19.8
217690 1999 RW_{207}	16.9	X	26.06116	112.46046	268.17093	4.67116	0.2448763	0.29040561	2.2583923	20	—	—
217691 1999 RD_{209}	16.8	X	48.81064	19.61557	308.03496	5.37512	0.1912851	0.28869668	2.2672958	20	12 27.9	19.9
217692 1999 RZ_{210}	15.1	X	307.95277	103.29317	305.39930	7.17284	0.2330936	0.18624528	3.0367744	20	9 19.3	18.4
217693 1999 RY_{217}	16.0	X	80.96068	154.83785	164.81051	16.98363	0.2572545	0.19979405	2.8978842	20	—	—
217694 1999 RP_{225}	15.8	X	339.94233	193.00329	177.03438	13.41683	0.1366615	0.18836490	3.0139501	20	10 11.2	19.2
217695 1999 RT_{242}	15.2	X	69.12130	255.29925	5.91509	24.51154	0.2207958	0.28607895	2.2811059	20	10 19.0	18.7
217696 1999 SO_{3}	15.4	X	6.10305	66.82797	295.31407	19.44799	0.3667881	0.18980439	2.9986921	20	12 19.5	18.8
217697 1999 SU_{15}	16.1	X	341.40474	120.80621	254.76457	6.22296	0.1335087	0.28434637	2.2903627	20	11 15.3	18.2
217698 1999 TG_{9}	16.6	X	66.99497	323.49346	22.12267	5.40028	0.2316356	0.29225484	2.2488556	20	—	—
217699 1999 TD_{50}	15.8	X	26.26624	146.96497	186.62400	15.31753	0.0770430	0.18978431	2.9989036	20	10 31.6	19.8
217700 1999 TA_{60}	16.3	X	109.67359	65.11180	235.03070	1.39680	0.0310348	0.19785946	2.9167430	20	12 24.1	20.5
217701 1999 TD_{82}	17.4	X	57.05715	300.05924	26.76380	3.31713	0.1937445	0.28982040	2.2614314	20	—	—
217702 1999 TO_{108}	15.6	X	359.69036	41.94539	293.08984	4.14901	0.2075414	0.18824989	3.0151776	20	10 1.2	18.7
217703 1999 TH_{130}	15.2	X	266.31671	113.49295	353.93975	9.98597	0.0786405	0.19109553	2.9851697	20	10 23.5	19.4
217704 1999 TN_{137}	17.8	X	36.35792	70.47500	293.40343	1.08633	0.2139498	0.29087267	2.2559741	20	—	—
217705 1999 TG_{184}	15.5	X	10.29399	58.09280	285.25052	12.16459	0.2259673	0.18926380	3.0043995	20	11 3.1	19.1
217706 1999 TK_{189}	15.1	X	344.17561	129.55598	255.86780	10.38542	0.1433966	0.18863080	3.0111171	20	11 5.2	18.7
217707 1999 TM_{192}	15.3	X	302.84501	124.50865	281.92271	7.78651	0.1307020	0.18473925	3.0532563	20	9 18.9	19.2
217708 1999 TA_{196}	16.5	X	68.67045	9.39927	4.20954	9.11852	0.1881244	0.29381298	2.2408978	20	—	—
217709 1999 TY_{213}	16.2	X	17.48521	169.70686	183.84006	4.84144	0.2214027	0.19077267	2.9885369	20	12 2.6	19.8
217710 1999 TJ_{233}	16.9	X	20.46769	129.41683	211.28139	21.26150	0.0682388	0.38133932	1.8833382	20	12 15.1	19.2
217711 1999 TA_{244}	15.8	X	24.25361	129.61344	262.62570	5.14439	0.2248649	0.19716194	2.9236182	20	—	—
217712 1999 TV_{255}	15.7	X	4.91985	203.96366	186.45501	1.86450	0.0819555	0.19501541	2.9450325	20	12 12.3	19.5
217713 1999 TX_{269}	17.3	X	74.01395	79.02784	256.32780	5.82287	0.2270731	0.29281169	2.2460036	20	—	—
217714 1999 UG_{52}	17.0	X	343.74928	244.16580	125.59759	6.43112	0.1853852	0.28215590	2.3022013	20	11 20.0	18.9
217715 1999 VF_{15}	15.6	X	331.45491	67.49516	1.37891	10.84909	0.0844454	0.19481100	2.9470922	20	12 10.5	19.5
217716 1999 VB_{80}	17.1	X	79.39888	106.72736	226.19053	4.78089	0.3270001	0.29317227	2.2441616	20	—	—
217717 1999 VC_{81}	15.1	X	31.57820	17.20145	321.11950	8.22793	0.1017314	0.18979439	2.9987974	20	11 12.1	19.2
217718 1999 VG_{97}	16.9	X	337.32050	282.93001	33.37384	2.40879	0.1702313	0.27559017	2.3386231	20	8 1.1	18.5
217719 1999 VC_{101}	15.4	X	210.57704	256.63350	228.15152	5.74295	0.0419816	0.18140518	3.0905534	20	9 11.2	19.9
217720 1999 VA_{105}	14.9	X	257.57308	207.81504	230.92972	18.33610	0.0145291	0.18147076	3.0898088	20	9 10.4	19.6
217721 1999 VV_{119}	15.8	X	57.31072	22.04867	246.48630	3.92860	0.1156492	0.18437840	3.0572387	20	9 21.3	20.0
217722 1999 VJ_{154}	16.3	X	20.33350	264.95860	45.46109	2.36658	0.2103020	0.18497491	3.0506625	20	10 8.9	19.7
217723 1999 VJ_{165}	17.4	X	312.25913	85.29002	337.71638	1.70727	0.1536770	0.28262263	2.2996660	20	11 30.4	19.1
217724 1999 VS_{170}	15.2	X	332.91640	343.26826	36.31126	4.73410	0.1869075	0.18360501	3.0658179	20	10 8.9	18.2
217725 1999 VL_{178}	17.1	X	37.61449	221.35189	157.77544	5.26632	0.1903464	0.29076556	2.2565281	20	—	—
217726 1999 WN	16.7	X	51.20887	265.86949	90.38056	4.12850	0.2636597	0.29058490	2.2574633	20	—	—
217727 1999 XR_{56}	17.2	X	11.66006	148.30284	232.98250	3.26163	0.1878355	0.28572241	2.2830032	20	—	—
217728 1999 XA_{64}	15.1	X	10.53024	196.42965	147.62160	7.26767	0.1149157	0.18286406	3.0740940	20	10 26.1	19.0
217729 1999 XA_{79}	15.1	X	327.84757	144.38704	247.90107	10.00298	0.1126474	0.18381638	3.0634673	20	10 14.0	19.0
217730 1999 XC_{114}	15.1	X	6.62080	16.41664	358.27459	14.43492	0.2609241	0.18939082	3.0030560	20	12 16.4	18.8
217731 1999 XM_{118}	14.5	X	94.04474	322.14492	245.46894	20.72595	0.0512649	0.17636159	3.1491985	20	8 3.8	19.4
217732 1999 XB_{148}	17.3	X	350.52391	160.12454	241.40024	4.65414	0.1573853	0.28520150	2.2857822	20	—	—
217733 1999 XP_{171}	14.8	X	286.37268	101.31141	293.95342	15.03666	0.1882641	0.17613071	3.1519500	20	8 2.0	19.0
217734 1999 XF_{187}	16.0	X	320.31186	61.69539	338.24473	6.51490	0.1193124	0.27777778	2.3263286	20	11 5.8	18.3
217735 2000 AG_{40}	14.8	X	287.10633	117.71107	303.88181	16.37369	0.1722244	0.17850504	3.1239379	20	9 4.1	19.1
217736 2000 AE_{197}	14.8	X	254.02900	194.70597	262.99278	8.47225	0.2395982	0.17774713	3.1328118	20	8 31.4	19.6
217737 2000 AF_{216}	15.2	X	232.25671	217.56355	250.34837	8.01504	0.0711006	0.18096727	3.0955371	20	9 10.6	19.8
217738 2000 BO_{1}	16.2	X	299.93827	344.25798	84.48997	1.09627	0.2396790	0.18199699	3.0838500	20	10 3.9	19.6
217739 2000 BY_{21}	16.4	X	308.61672	69.39489	319.13672	4.77592	0.1202259	0.27141632	2.3625377	20	9 24.8	18.7
217740 2000 BQ_{30}	14.9	X	312.56702	100.71868	305.80638	21.63183	0.1628125	0.17955363	3.1117636	20	9 21.6	19.0
217741 2000 CC_{9}	14.7	X	235.60558	296.90390	134.64959	16.55674	0.2450626	0.17187635	3.2037501	20	7 15.5	20.0
217742 2000 CU_{22}	16.7	X	291.42963	278.07998	166.09403	6.77871	0.2117168	0.27730794	2.3289555	20	11 13.3	18.4
217743 2000 CK_{26}	16.2	X	243.88669	100.66827	315.14484	5.55999	0.1012004	0.26541010	2.3980473	20	7 26.9	19.3
217744 2000 CK_{38}	16.6	X	276.75313	290.99953	128.56626	3.24444	0.0812752	0.27094552	2.3652737	20	9 23.8	19.2
217745 2000 CU_{55}	16.3	X	295.46197	108.80201	319.53253	5.59443	0.2412515	0.27607384	2.3358908	20	10 16.7	18.1
217746 2000 CU_{60}	15.1	X	281.37888	134.16226	311.93653	16.31466	0.2868139	0.17948632	3.1125414	20	9 9.8	19.3
217747 2000 DS_{41}	16.5	X	193.19310	351.49934	141.97921	5.07314	0.1056113	0.26700792	2.3884709	20	9 10.2	19.8
217748 2000 DQ_{88}	17.0	X	158.11905	22.62146	153.95953	23.78368	0.0429379	0.36356352	1.9442369	20	10 22.8	19.6
217749 2000 EK_{66}	16.4	X	55.79287	196.40542	15.27449	6.67928	0.1144295	0.25464533	2.4651626	20	7 15.1	19.4
217750 2000 EE_{138}	16.3	X	301.40908	332.16172	351.31128	8.24574	0.1448731	0.25615721	2.4554532	20	5 28.3	19.3
217751 2000 GN_{24}	16.9	X	71.81906	351.74103	206.32920	5.87143	0.0866052	0.25446496	2.4663274	20	7 11.7	20.0
217752 2000 GQ_{187}	15.6	X	190.17489	171.66451	120.87716	18.08883	0.2367648	0.23048147	2.6345839	20	—	—
217753 2000 HT_{37}	15.9	X	165.91149	129.48886	102.36607	16.06356	0.1182846	0.21957176	2.7211453	20	12 7.8	20.2
217754 2000 HA_{64}	16.1	X	337.93418	351.54125	216.53467	13.15106	0.1172571	0.24210971	2.5495366	20	2 15.1	19.4
217755 2000 OP_{34}	15.8	X	154.87116	179.75103	173.50107	8.58320	0.2546116	0.22337438	2.6901746	20	2 9.9	20.5
217756 2000 QW_{8}	17.6	X	240.22537	131.01012	174.46327	4.47148	0.2944102	0.32992835	2.0742270	20	2 7.4	21.2
217757 2000 QO_{14}	16.5	X	135.26841	216.45430	139.04372	9.32433	0.2383483	0.22067659	2.7120553	20	1 26.8	20.7
217758 2000 QP_{15}	15.8	X	87.33758	94.54014	321.15008	6.62133	0.3160305	0.21885208	2.7271075	20	2 27.7	19.3
217759 2000 QP_{37}	15.7	X	64.62461	216.72845	153.43091	10.50743	0.1456082	0.21298206	2.7769882	20	—	—
217760 2000 QY_{106}	15.8	X	139.28673	329.16935	304.43800	11.54140	0.2378851	0.21336850	2.7736342	20	12 28.8	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217761 2000 QW_{107}	16.2	X	138.26637	13.99227	316.23278	12.79682	0.1811337	0.21878729	2.7276459	20	—	—
217762 2000 QY_{119}	15.3	X	161.40813	28.43569	336.75274	13.03619	0.2016289	0.22336394	2.6902585	20	2 27.1	19.7
217763 2000 QL_{123}	15.1	X	98.05573	12.69208	350.48598	15.40309	0.2018236	0.21292480	2.7774861	20	—	—
217764 2000 QC_{162}	15.5	X	93.40976	94.06415	288.79007	8.35934	0.1985653	0.21780308	2.7358569	20	1 8.3	18.9
217765 2000 QK_{167}	16.3	X	42.24474	232.21099	178.22555	9.68496	0.2609901	0.21142728	2.7905858	20	—	—
217766 2000 QF_{172}	16.2	X	92.50771	207.80943	173.86465	9.52211	0.2984737	0.21662273	2.7457861	20	1 19.6	19.8
217767 2000 QU_{204}	16.3	X	134.06267	148.42344	181.08452	4.79468	0.1872843	0.21644894	2.7472557	20	—	—
217768 2000 QD_{223}	15.5	X	144.22981	301.79591	0.57420	12.88074	0.1653769	0.21643799	2.7473483	20	—	—
217769 2000 QN_{243}	16.0	X	135.70965	10.18882	314.01810	8.52060	0.1295707	0.21864726	2.7288104	20	—	—
217770 2000 RB_{8}	15.7	X	82.24316	308.39264	104.84450	10.39992	0.1544617	0.21752829	2.7381604	20	1 25.3	18.9
217771 2000 RJ_{30}	15.8	X	121.37002	191.94175	214.81885	10.68413	0.2480229	0.22096327	2.7097091	20	3 13.6	20.1
217772 2000 RJ_{48}	15.6	X	102.64678	139.38499	246.37969	9.04873	0.3437241	0.21478478	2.7614279	20	2 9.9	19.8
217773 2000 RO_{76}	15.1	X	163.31006	66.67585	345.61231	10.92278	0.2981492	0.22924286	2.6440653	20	4 24.3	20.0
217774 2000 RV_{76}	15.0	X	147.16050	269.10245	141.60828	13.23393	0.2692114	0.22773655	2.6557115	20	4 18.4	19.8
217775 2000 RK_{83}	15.5	X	75.55454	116.74748	287.59209	6.82566	0.1963577	0.21482659	2.7610697	20	1 9.1	18.6
217776 2000 RS_{107}	16.2	X	136.37427	160.53053	162.51865	6.55712	0.0693332	0.21469800	2.7621720	20	—	—
217777 2000 SY_{17}	15.9	X	52.29123	157.47211	256.94052	4.20881	0.2112199	0.21233538	2.7826236	20	—	—
217778 2000 SM_{18}	15.8	X	52.31243	132.15648	264.44137	7.01976	0.1595857	0.21057696	2.7980930	20	—	—
217779 2000 SS_{18}	15.9	X	83.37765	128.79302	277.01016	8.04959	0.0650504	0.21745613	2.7387661	20	1 4.2	19.3
217780 2000 SL_{53}	16.1	X	116.12151	335.89440	347.93729	7.61125	0.1929877	0.21296349	2.7771496	20	—	—
217781 2000 SR_{56}	15.6	X	163.88540	329.67448	357.86022	10.83668	0.1359344	0.21937026	2.7228113	20	1 14.4	19.9
217782 2000 ST_{58}	16.5	X	115.77214	163.95752	196.59475	3.53717	0.2210192	0.21612946	2.7499623	20	1 11.5	20.5
217783 2000 SE_{116}	16.2	X	124.57767	156.97008	184.13411	9.07371	0.3214567	0.21480292	2.7612725	20	1 8.8	20.7
217784 2000 SF_{165}	15.7	X	93.96295	109.45132	269.31492	9.07724	0.2184667	0.21472411	2.7619481	20	1 6.8	19.1
217785 2000 SZ_{196}	16.2	X	77.82602	220.14356	183.01616	4.86975	0.1384394	0.21580925	2.7526818	20	1 2.3	19.5
217786 2000 SS_{206}	15.8	X	136.14557	301.88519	21.20408	8.71063	0.1809169	0.21293126	2.7774299	20	—	—
217787 2000 SC_{262}	16.5	X	100.87097	330.66826	54.84731	2.37748	0.2298234	0.21682010	2.7441195	20	1 27.2	20.1
217788 2000 SV_{280}	15.0	X	68.68473	70.36309	356.65256	22.80030	0.2763584	0.21285544	2.7780893	20	2 19.3	18.3
217789 2000 SE_{281}	15.9	X	103.73178	160.42736	217.95089	9.42232	0.1516993	0.21809330	2.7334293	20	1 7.7	19.6
217790 2000 SD_{301}	15.8	X	43.05592	101.50670	358.14572	7.01938	0.1439113	0.21586895	2.7521743	20	1 22.3	18.8
217791 2000 SW_{311}	15.3	X	161.03076	340.84608	303.11024	18.64896	0.1765926	0.21337948	2.7735390	20	—	—
217792 2000 SO_{352}	15.5	X	95.60097	284.42734	126.05257	12.77311	0.2152876	0.21678831	2.7443878	20	2 19.8	19.2
217793 2000 TX_{37}	15.7	X	124.59270	341.65597	30.78176	9.27800	0.2976845	0.21934253	2.7230408	20	2 16.8	20.1
217794 2000 TU_{40}	15.5	X	111.48921	358.33102	20.02234	12.13646	0.2477283	0.21816572	2.7328243	20	2 6.2	19.6
217795 2000 TE_{46}	16.1	X	105.52981	9.65253	332.94274	3.06617	0.1022246	0.21221836	2.7836465	20	—	—
217796 2000 TO_{64}	17.0	X	113.98439	177.76594	223.68886	37.51618	0.6187648	0.21682118	2.7441104	20	4 2.8	22.7
217797 2000 UH_{48}	15.9	X	37.83783	339.41083	104.03046	3.54600	0.1848621	0.20989211	2.8041762	20	—	—
217798 2000 UB_{69}	15.6	X	91.36814	60.32971	309.53493	3.58405	0.2937801	0.21175656	2.7876921	20	1 5.1	18.9
217799 2000 UN_{71}	15.3	X	98.68601	142.15682	236.65444	12.51976	0.1299145	0.21242169	2.7818699	20	—	—
217800 2000 UV_{93}	15.8	X	74.40842	74.62565	307.15469	5.00137	0.2155576	0.20992881	2.8038494	20	—	—
217801 2000 UM_{95}	15.3	X	98.04719	98.47984	253.98844	5.74633	0.1109667	0.20909434	2.8113044	20	—	—
217802 2000 US_{96}	15.5	X	59.23872	334.58305	28.67874	13.05650	0.0925050	0.20450489	2.8532090	20	—	—
217803 2000 WU_{13}	15.2	X	115.68559	318.28361	55.54681	15.49575	0.2175037	0.21664750	2.7455768	20	2 1.2	19.5
217804 2000 WY_{119}	15.5	X	22.09579	144.83590	287.54598	10.88184	0.2906224	0.20434123	2.8547323	20	—	—
217805 2000 XX_{8}	15.3	X	93.91327	52.07181	343.29812	7.60942	0.2930104	0.21087853	2.7954247	20	2 10.7	19.1
217806 2000 XS_{43}	15.5	X	270.80953	46.73381	348.56627	14.58878	0.1258992	0.23420637	2.6065752	20	8 2.4	19.0
217807 2000 XK_{44}	18.1	X	243.84651	347.61097	48.12209	11.23703	0.3853859	0.43534365	1.7241746	20	5 27.8	20.7
217808 2000 YP_{58}	17.0	X	319.76605	200.32034	285.33069	6.86619	0.0779255	0.30098933	2.2051357	20	—	—
217809 2000 YY_{110}	15.4	X	12.50418	87.55005	298.45701	11.17049	0.1003976	0.19463304	2.9488884	20	12 19.9	19.2
217810 2000 YS_{127}	15.5	X	262.55592	133.38228	354.05033	6.38167	0.0940622	0.19090768	2.9871277	20	11 11.7	19.6
217811 2001 AB_{19}	14.8	X	197.01268	7.82152	125.64888	17.11387	0.0285079	0.18241733	3.0791108	20	9 14.3	19.4
217812 2001 AA_{32}	15.3	X	349.67072	90.52011	296.78281	10.08280	0.0971232	0.19289873	2.9665372	20	11 14.0	19.2
217813 2001 BD_{19}	16.8	X	45.96688	114.17639	324.34565	5.76460	0.0951292	0.30690998	2.1766839	20	—	—
217814 2001 BO_{46}	15.3	X	311.74109	229.32078	192.98345	8.78202	0.2470066	0.19167164	2.9791850	20	10 21.6	18.0
217815 2001 BS_{54}	14.9	X	243.29798	173.72282	260.67350	8.63370	0.0593528	0.17999468	3.1066782	20	8 14.5	19.5
217816 2001 DG_{14}	15.8	X	117.38115	306.68823	317.56115	23.37595	0.2250631	0.28586131	2.2822636	20	12 12.6	20.1
217817 2001 DQ_{41}	15.1	X	293.55374	71.13547	333.87771	8.54770	0.0602683	0.18179796	3.0861004	20	9 13.7	19.3
217818 2001 DC_{46}	15.4	X	277.67087	291.91360	149.54026	10.50872	0.0837303	0.18335702	3.0685817	20	10 10.6	19.6
217819 2001 DJ_{53}	15.3	X	264.84843	118.44176	333.68100	11.45550	0.1291055	0.18430571	3.0580426	20	9 23.4	19.6
217820 2001 DS_{68}	14.9	X	106.76318	238.33972	334.77683	14.67966	0.0523743	0.17586277	3.1551507	20	9 2.8	19.5
217821 2001 DK_{111}	16.7	X	143.88884	18.37911	165.98426	4.94094	0.0996981	0.27662376	2.3327940	20	9 24.6	20.0
217822 2001 FK_{47}	16.6	X	33.73254	204.44507	20.99055	5.46336	0.1899234	0.26475621	2.4019942	20	7 10.9	18.9
217823 2001 FB_{66}	16.9	X	129.35822	27.40111	162.17124	5.75667	0.1341043	0.27593546	2.3366717	20	9 16.8	20.4
217824 2001 FT_{76}	16.4	X	123.52011	37.17085	152.80384	5.90036	0.1741834	0.27400451	2.3476368	20	9 13.4	20.0
217825 2001 FU_{88}	17.2	X	155.13550	10.62318	164.64339	2.33032	0.1529273	0.27764524	2.3270688	20	9 23.8	20.7
217826 2001 FW_{119}	15.3	X	222.43849	283.33729	177.05263	10.56191	0.0837054	0.17696588	3.1420254	20	8 21.3	20.0
217827 2001 FQ_{176}	16.4	X	19.20308	169.09297	91.21761	9.94190	0.2610365	0.26666211	2.3905354	20	8 22.8	18.5
217828 2001 GT	15.7	X	15.02878	173.29002	79.44306	29.57239	0.2383418	0.26622423	2.3931559	20	7 21.7	18.1
217829 2001 HJ_{20}	16.7	X	44.49637	116.10994	187.59365	21.62750	0.0867312	0.37598714	1.9011690	20	11 28.6	19.2
217830 2001 HK_{47}	16.7	X	102.47799	259.14745	324.24966	5.40130	0.1997963	0.27486207	2.3427512	20	10 4.9	20.5
217831 2001 JJ_{9}	17.0	X	340.07019	132.32376	155.40994	1.51965	0.1792965	0.26127088	2.4233085	20	6 15.9	18.9
217832 2001 KN_{26}	16.6	X	132.95269	351.66154	254.88963	3.33822	0.1414776	0.27847743	2.3224305	20	12 1.9	20.1
217833 2001 KC_{33}	17.1	X	22.55915	59.37671	210.96097	2.07856	0.1678041	0.26682005	2.3895919	20	8 23.5	19.4
217834 2001 KB_{34}	17.0	X	313.85233	179.92999	121.64680	3.51754	0.1940796	0.25865872	2.4395963	20	5 12.0	19.4
217835 2001 KO_{40}	16.2	X	358.68623	172.46237	96.88292	15.99552	0.1652033	0.26242856	2.4161765	20	6 30.3	17.8
217836 2001 KS_{67}	16.6	X	68.83707	111.06507	188.48249	21.44108	0.0660908	0.37911667	1.8906920	20	12 20.8	19.3
217837 2001 LC	19.3	X	253.14795	2.47361	112.38259	16.97126	0.6775808	0.91008641	1.0545835	20	—	—
217838 2001 LX_{7}	15.3	X	145.00101	66.05426	263.67881	13.33480	0.2149180	0.23262354	2.6183856	20	—	—
217839 2001 OC_{12}	16.5	X	17.75426	306.69709	353.00062	21.71875	0.0999279	0.36473858	1.9400589	20	10 1.9	18.2
217840 2001 OP_{14}	15.9	X	247.00474	347.82531	314.40815	18.42083	0.2271128	0.24326810	2.5414366	20	2 16.8	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217841 2001 OX_{23}	16.3	X	290.46402	353.74896	312.11771	8.72142	0.2041486	0.25166236	2.4846042	20	4 4.9	19.8
217842 2001 OW_{31}	16.9	X	350.76199	108.86278	259.39681	17.16886	0.1052956	0.36877786	1.9258664	20	12 15.2	18.4
217843 2001 OV_{36}	16.6	X	262.58644	26.52340	328.32148	7.85002	0.2053714	0.25276194	2.4773931	20	5 8.7	20.4
217844 2001 OK_{77}	14.4	X	128.32323	252.10344	77.07231	12.74691	0.2477853	0.12451837	3.9717366	20	1 3.7	20.6
217845 2001 OK_{85}	16.5	X	229.17009	127.89131	185.02620	4.86086	0.1439262	0.24262166	2.5459488	20	2 20.3	20.6
217846 2001 OO_{110}	16.0	X	196.67013	132.67874	198.48299	8.18056	0.1761296	0.23942806	2.5685381	20	2 11.9	20.3
217847 2001 PR_{41}	16.0	X	283.59107	40.89475	243.95486	7.59268	0.1988187	0.24527133	2.5275797	20	3 2.7	19.7
217848 2001 PW_{53}	14.5	X	116.54723	296.79152	38.75830	3.62129	0.2263857	0.12303459	4.0036050	20	—	—
217849 2001 PC_{54}	15.0	X	137.37187	351.63080	321.92762	2.16685	0.2748080	0.12450464	3.9720284	20	—	—
217850 2001 PC_{60}	16.7	X	245.81605	238.22796	80.74537	4.26183	0.1856620	0.24603290	2.5223611	20	3 14.8	20.6
217851 2001 QA_{35}	17.2	X	335.10930	84.64749	311.99113	22.37785	0.0441789	0.37518781	1.9038683	20	12 30.8	19.2
217852 2001 QU_{49}	16.5	X	227.24728	7.20095	333.35245	8.41703	0.1911358	0.24433742	2.5340162	20	3 19.7	20.8
217853 2001 QT_{56}	14.0	X	127.61479	208.81722	117.18319	6.21527	0.2178912	0.12296606	4.0050923	20	—	—
217854 2001 QA_{80}	15.7	X	249.16480	344.08946	14.50454	7.72815	0.2371822	0.24415335	2.5352897	20	4 28.2	19.8
217855 2001 QO_{80}	16.4	X	206.64716	96.70515	268.26969	5.48289	0.3184012	0.24154782	2.5534889	20	3 29.6	21.3
217856 2001 QH_{87}	17.0	X	248.98938	153.17822	308.18472	17.45017	0.0909856	0.36662783	1.9333884	20	10 18.1	19.3
217857 2001 QW_{90}	16.9	X	135.46646	18.30539	223.77835	20.86017	0.0535506	0.37525331	1.9036468	20	12 20.8	19.3
217858 2001 QV_{91}	16.5	X	290.52060	31.06675	294.18328	6.53089	0.1742413	0.25303181	2.4756313	20	5 9.1	19.8
217859 2001 QC_{115}	16.5	X	253.14510	29.57535	305.29730	7.15541	0.2324201	0.24657200	2.5186832	20	3 31.3	20.8
217860 2001 QB_{119}	16.1	X	174.85369	225.60753	206.00841	7.48409	0.2205862	0.24484885	2.5304864	20	5 29.8	20.5
217861 2001 QY_{127}	16.2	X	237.88933	50.67271	271.54304	8.21733	0.1744659	0.24408996	2.5357286	20	3 5.8	20.4
217862 2001 QL_{128}	16.8	X	302.02053	61.23131	315.02321	17.90318	0.0876793	0.36471239	1.9401518	20	9 7.0	18.5
217863 2001 QF_{134}	16.8	X	134.99496	268.89768	321.62578	18.66196	0.0471971	0.37200299	1.9147192	20	12 3.3	19.4
217864 2001 QT_{136}	15.7	X	129.11443	214.95783	222.71104	13.36307	0.2562018	0.23536152	2.5980394	20	4 30.5	20.0
217865 2001 QF_{139}	15.5	X	208.52592	59.28219	333.79044	11.25348	0.3029218	0.24209783	2.5496200	20	5 1.5	20.3
217866 2001 QP_{141}	15.3	X	111.11341	125.64694	350.04675	11.17789	0.1026076	0.24504092	2.5291639	20	5 9.6	19.0
217867 2001 QD_{151}	16.4	X	354.08965	106.45961	258.74116	16.89034	0.1043019	0.36908724	1.9247900	20	12 15.9	18.0
217868 2001 QT_{153}	16.7	X	199.39013	260.16968	85.64436	5.41604	0.1073123	0.23880585	2.5729978	20	3 7.9	20.6
217869 2001 QW_{159}	16.5	X	254.88366	323.75801	337.04535	7.47633	0.1700526	0.24375709	2.5380366	20	2 28.9	20.5
217870 2001 QB_{191}	15.5	X	165.68398	102.18360	312.27775	28.48254	0.1840591	0.24070737	2.5594292	20	4 12.6	20.4
217871 2001 QG_{191}	15.7	X	144.00509	271.83368	171.95762	25.34842	0.1234568	0.24459201	2.5322575	20	5 15.9	20.0
217872 2001 QF_{195}	16.0	X	160.55829	86.67441	329.45874	13.38302	0.1094911	0.23911258	2.5707969	20	4 16.1	20.2
217873 2001 QN_{204}	17.3	X	211.52912	130.69111	234.21657	4.54065	0.1837987	0.24423829	2.5347019	20	4 6.3	21.5
217874 2001 QQ_{208}	16.1	X	14.12044	288.85318	83.83124	3.52424	0.0735557	0.21744455	2.7388634	20	12 7.6	19.4
217875 2001 QV_{219}	15.5	X	212.53079	75.76035	286.63990	11.62142	0.1891867	0.24000532	2.5644179	20	3 30.2	20.1
217876 2001 QE_{221}	16.2	X	257.29045	112.48547	163.65184	13.69398	0.1849672	0.24266669	2.5456338	20	1 29.8	20.4
217877 2001 QR_{225}	13.5	X	138.97354	57.44736	271.50043	9.34017	0.2452080	0.12301064	4.0041247	20	1 11.1	19.9
217878 2001 QV_{245}	16.9	X	183.91688	174.86420	170.34731	5.71396	0.2571940	0.23598244	2.5934801	20	2 22.2	21.4
217879 2001 QS_{248}	16.1	X	183.57382	326.96688	37.27476	5.69388	0.2535908	0.23691298	2.5866846	20	3 17.8	20.7
217880 2001 QX_{269}	17.1	X	172.01119	218.49955	316.76989	19.47265	0.0395037	0.37293363	1.9115325	20	10 23.7	19.8
217881 2001 QZ_{285}	16.1	X	257.82346	14.25884	278.51455	4.71627	0.1736823	0.24258868	2.5461796	20	2 20.1	20.2
217882 2001 QJ_{289}	16.5	X	196.69085	252.49247	125.28844	15.03413	0.1430207	0.24489913	2.5301400	20	4 17.5	20.8
217883 2001 QD_{295}	15.5	X	128.75661	241.98387	184.88661	29.98635	0.3307856	0.23375457	2.6099327	20	4 25.1	20.2
217884 2001 RK_{42}	16.6	X	200.96349	352.44420	15.07828	14.33899	0.2006954	0.24223365	2.5486669	20	4 2.0	20.7
217885 2001 RW_{73}	15.9	X	250.34674	312.71418	338.44368	8.75197	0.1506678	0.23856169	2.5747530	20	2 16.0	19.8
217886 2001 RM_{89}	16.6	X	160.55867	213.71255	162.24815	4.56658	0.2496489	0.23595953	2.5936480	20	3 12.5	20.8
217887 2001 RV_{92}	16.1	X	265.15579	331.20522	5.30232	15.07732	0.1044771	0.24603691	2.5223337	20	4 28.4	19.8
217888 2001 RA_{94}	16.6	X	315.99058	29.72010	351.54240	0.62303	0.2012729	0.25848342	2.4406992	20	9 21.9	18.3
217889 2001 RH_{95}	16.7	X	229.84851	31.55582	338.07727	3.02887	0.0862171	0.24775817	2.5106378	20	5 6.6	20.3
217890 2001 RG_{105}	16.2	X	243.07997	319.57203	346.80053	12.71080	0.0431665	0.24164700	2.5527901	20	3 6.0	19.6
217891 2001 RN_{118}	14.6	X	142.43099	179.85532	147.58680	3.43471	0.2223052	0.12341352	3.9954058	20	1 10.9	21.0
217892 2001 RR_{119}	16.7	X	201.31998	341.78477	35.66400	4.57122	0.2523914	0.24271286	2.5453110	20	4 13.7	21.1
217893 2001 RY_{121}	16.6	X	219.20600	278.97361	72.37120	2.61350	0.1438681	0.24274128	2.5451124	20	3 31.6	20.7
217894 2001 RE_{143}	16.7	X	221.47361	22.94800	297.32079	7.41668	0.1882559	0.23940900	2.5686745	20	2 19.9	21.1
217895 2001 RV_{151}	15.9	X	244.15016	182.05633	146.75715	16.04440	0.1454374	0.24334116	2.5409278	20	3 30.7	19.9
217896 2001 SB_{36}	16.7	X	235.08761	164.18111	142.93232	2.61430	0.2037157	0.23888215	2.5724498	20	2 17.4	21.0
217897 2001 SW_{36}	16.0	X	157.04070	58.08924	15.09461	13.92140	0.0953557	0.24145339	2.5541546	20	5 6.2	19.9
217898 2001 SH_{49}	16.8	X	219.14575	167.87563	177.51312	5.56801	0.1167489	0.23988686	2.5652621	20	3 24.4	20.6
217899 2001 SQ_{49}	16.9	X	214.22266	192.04592	151.49491	6.48909	0.3030328	0.24065850	2.5597757	20	3 13.4	21.5
217900 2001 SE_{65}	17.3	X	208.87154	158.82590	192.31960	12.37616	0.3168522	0.23978059	2.5660200	20	3 16.4	22.1
217901 2001 SJ_{70}	16.5	X	201.98645	267.50101	104.80679	6.28839	0.2926513	0.23919915	2.5701766	20	4 10.2	21.3
217902 2001 SC_{73}	16.8	X	109.50032	286.04880	334.53898	19.70240	0.0949982	0.37643010	1.8996773	20	12 16.6	19.7
217903 2001 SU_{82}	16.5	X	211.59608	111.51831	264.77122	1.70304	0.0387816	0.24625304	2.5208576	20	4 27.7	20.0
217904 2001 SD_{107}	16.0	X	248.41946	88.26800	223.56502	12.50568	0.1697596	0.24038894	2.5616889	20	3 3.2	20.2
217905 2001 SG_{109}	14.7	X	276.65497	105.84860	266.36612	10.43150	0.1714295	0.24738769	2.5131437	20	6 27.1	17.9
217906 2001 SB_{125}	14.0	X	182.56405	97.47280	188.13026	5.90614	0.1104419	0.12420286	3.9784598	20	—	—
217907 2001 SC_{141}	16.1	X	178.87985	15.72930	10.73210	5.89805	0.1347421	0.23929422	2.5694958	20	4 4.6	20.0
217908 2001 SR_{142}	17.3	X	248.16800	19.16580	289.41484	3.15369	0.2473057	0.24269325	2.5454481	20	2 25.9	21.6
217909 2001 SH_{148}	17.0	X	213.51003	7.05838	334.89394	6.85894	0.3031603	0.24089919	2.5580704	20	3 9.1	21.8
217910 2001 SX_{157}	16.2	X	171.82051	177.36137	238.38177	3.90602	0.1649516	0.24145390	2.5541510	20	5 5.4	20.3
217911 2001 SK_{175}	17.1	X	146.87505	25.82794	37.67627	5.13087	0.1423075	0.29170844	2.2516630	20	4 18.5	20.3
217912 2001 SA_{178}	16.5	X	216.51051	147.65326	192.53309	8.44131	0.1787969	0.23950697	2.5679739	20	3 11.8	20.9
217913 2001 SC_{197}	16.8	X	242.76198	119.59585	179.63934	5.40188	0.2741015	0.24138735	2.5546204	20	2 9.4	21.4
217914 2001 SR_{213}	17.0	X	237.99515	207.26703	133.86631	2.95878	0.1133644	0.24338913	2.5405940	20	4 8.8	20.8
217915 2001 SY_{228}	17.1	X	217.73808	174.16826	164.48451	4.85384	0.2983556	0.24073682	2.5592205	20	3 9.3	21.8
217916 2001 SD_{271}	16.5	X	209.89603	148.69594	202.17484	8.35623	0.1797589	0.23959328	2.5673572	20	3 18.9	20.8
217917 2001 SN_{313}	16.0	X	158.81843	225.76922	156.60713	13.38395	0.1053359	0.23588020	2.5942295	20	3 10.3	19.9
217918 2001 SY_{315}	15.8	X	162.40208	25.91163	354.52455	12.15471	0.1808854	0.23322230	2.6139022	20	3 15.4	19.9
217919 2001 SH_{316}	15.5	X	215.14640	82.92748	307.27984	10.47097	0.3036993	0.24208677	2.5496976	20	5 3.5	20.3
217920 2001 ST_{316}	15.8	X	194.38151	65.64536	312.67889	12.24056	0.1961255	0.23664036	2.5886709	20	4 3.1	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
217921 2001 SN_{324}	16.8	X	183.49027	102.91429	266.62076	5.31367	0.1629360	0.23980446	2.5658497	20	3 17.1	21.0
217922 2001 SG_{339}	17.4	X	297.78191	79.26259	314.36924	17.50327	0.1008618	0.36413396	1.9422058	20	9 24.8	19.3
217923 2001 SR_{345}	15.7	X	239.50665	43.05793	306.66895	10.96921	0.0787354	0.24481364	2.5307290	20	4 17.8	19.6
217924 2001 TK	17.1	X	158.88842	202.64254	187.37175	1.67092	0.1684048	0.23669619	2.5882638	20	3 22.9	21.0
217925 2001 TO_{3}	16.6	X	178.39806	22.30850	12.47816	2.40472	0.1310595	0.23911681	2.5707666	20	4 14.5	20.5
217926 2001 TW_{5}	16.7	X	246.05837	185.33182	138.12280	7.14399	0.2519034	0.24404505	2.5360397	20	3 15.6	20.9
217927 2001 TU_{13}	15.8	X	175.92613	284.14756	76.74982	13.45307	0.2302124	0.23439533	2.6051741	20	3 12.5	20.5
217928 2001 TL_{21}	16.5	X	221.21008	203.29002	110.79356	4.62949	0.2313123	0.23864175	2.5741772	20	2 14.6	20.9
217929 2001 TT_{22}	16.3	X	196.69288	107.94697	261.11777	1.68529	0.1866796	0.23886760	2.5725543	20	3 30.3	20.7
217930 2001 TG_{23}	16.6	X	167.06556	148.84561	238.20510	6.50868	0.1545052	0.23796912	2.5790256	20	3 23.6	20.7
217931 2001 TL_{40}	15.1	X	130.51625	174.88883	269.31595	11.21754	0.2511513	0.23272456	2.6176278	20	5 7.6	19.6
217932 2001 TP_{49}	16.8	X	173.28823	203.55229	187.36393	5.10338	0.2861933	0.23599063	2.5934201	20	4 10.1	21.5
217933 2001 TX_{69}	16.2	X	233.35002	342.65977	2.72987	3.83335	0.0341823	0.24086431	2.5583174	20	4 14.0	19.6
217934 2001 TG_{74}	16.5	X	127.34755	218.98755	218.73329	3.61907	0.2111368	0.23452054	2.6042467	20	4 25.0	20.5
217935 2001 TZ_{78}	16.9	X	320.01653	167.64508	213.12962	20.08665	0.0834637	0.36220689	1.9490886	20	11 2.9	18.0
217936 2001 TJ_{96}	16.2	X	148.99701	157.95945	245.17034	2.39161	0.1039652	0.23555545	2.5966133	20	3 23.6	19.9
217937 2001 TW_{106}	16.2	X	159.77156	135.13016	252.24402	3.78162	0.3105261	0.23308039	2.6149631	20	3 26.4	20.9
217938 2001 TS_{107}	15.7	X	207.61405	147.75513	253.47444	5.00983	0.2985757	0.24029324	2.5623691	20	5 15.1	20.3
217939 2001 TO_{123}	16.4	X	174.76514	201.04616	210.40022	26.23991	0.2396225	0.24065573	2.5597953	20	5 4.9	20.9
217940 2001 TO_{132}	15.8	X	172.39966	99.82860	332.10339	12.18360	0.2495600	0.24175139	2.5520552	20	5 25.1	20.5
217941 2001 TL_{141}	16.7	X	251.80118	162.12922	133.29161	5.03230	0.1348471	0.23903882	2.5713257	20	2 23.6	20.5
217942 2001 TF_{146}	16.3	X	243.41504	198.61045	114.47960	5.48772	0.1265170	0.23941434	2.5686362	20	3 10.1	20.2
217943 2001 TU_{191}	16.3	X	153.05699	101.49233	336.18040	3.23114	0.2701033	0.23713043	2.5851030	20	5 19.9	20.9
217944 2001 TX_{210}	15.9	X	239.95271	298.46454	329.82257	14.21719	0.0880877	0.23379687	2.6096179	20	1 15.4	19.9
217945 2001 TG_{212}	15.8	X	260.68734	55.63150	227.08992	16.33342	0.2063544	0.24018872	2.5631123	20	2 3.9	20.3
217946 2001 TS_{217}	16.9	X	248.41086	27.03135	273.63608	4.71764	0.2454174	0.24067700	2.5596446	20	2 16.4	21.3
217947 2001 TY_{226}	16.3	X	211.85187	314.45125	29.20895	12.84497	0.2951704	0.24206990	2.5498161	20	3 15.8	21.0
217948 2001 TT_{231}	16.0	X	197.74749	239.95879	132.99580	16.01858	0.1879094	0.24027330	2.5625108	20	4 11.8	20.5
217949 2001 UN_{5}	16.2	X	207.00170	252.78083	91.40941	6.50186	0.3286626	0.23683318	2.5872656	20	3 11.5	21.2
217950 2001 UM_{15}	16.5	X	160.65988	150.51631	238.91177	3.86794	0.1415304	0.23521278	2.5991346	20	3 20.7	20.6
217951 2001 UC_{26}	16.5	X	127.52446	351.09636	324.43831	5.87302	0.2665819	0.27671579	2.3322768	20	—	—
217952 2001 UK_{29}	16.5	X	214.18605	262.82190	94.78819	5.62274	0.2512219	0.24092516	2.5578865	20	4 1.9	21.0
217953 2001 UG_{37}	16.5	X	242.31872	173.70122	164.33792	10.89537	0.2028165	0.24282964	2.5444949	20	4 2.8	20.6
217954 2001 UP_{73}	16.9	X	183.50009	333.09583	47.78721	6.90278	0.1494279	0.23757958	2.5818439	20	4 4.9	21.0
217955 2001 UV_{108}	16.2	X	165.15907	305.44862	98.63469	4.43221	0.1402293	0.23566485	2.5958096	20	4 16.1	20.2
217956 2001 UJ_{109}	16.6	X	187.14670	305.59335	58.20303	5.77077	0.2497051	0.23531834	2.5983573	20	3 20.5	21.2
217957 2001 UF_{131}	16.5	X	214.33844	97.15895	213.75531	10.72229	0.2021650	0.23372919	2.6101216	20	2 2.1	21.1
217958 2001 UW_{140}	16.7	X	97.59339	353.11334	125.64515	0.56317	0.1020547	0.23719883	2.5846061	20	5 1.3	19.9
217959 2001 UM_{154}	16.0	X	170.66854	141.53931	243.87674	2.54699	0.0982607	0.23340589	2.6125313	20	3 24.1	19.8
217960 2001 UO_{157}	16.5	X	185.90741	216.22864	133.33030	3.42351	0.1952205	0.23337147	2.6127882	20	2 28.8	20.9
217961 2001 UO_{167}	16.0	X	180.45172	47.84068	322.16283	9.39719	0.1967440	0.23421569	2.6065059	20	3 15.7	20.4
217962 2001 UK_{193}	15.6	X	206.70845	9.46756	308.87700	10.90616	0.2347356	0.23577894	2.5949722	20	2 7.1	20.2
217963 2001 UC_{204}	16.7	X	174.92058	325.15546	12.56348	3.32025	0.1740010	0.23152214	2.6266832	20	2 5.2	20.9
217964 2001 UZ_{212}	16.7	X	211.09974	122.79919	206.93723	13.41561	0.2048628	0.23627725	2.5913224	20	2 20.9	21.4
217965 2001 UJ_{221}	16.1	X	169.58643	340.04705	48.28977	4.97598	0.0676412	0.23401156	2.6080215	20	3 28.1	19.8
217966 2001 VT_{10}	15.1	X	270.46197	81.92781	266.03048	13.79659	0.1732752	0.24590404	2.5232422	20	5 14.8	18.7
217967 2001 VQ_{20}	16.5	X	182.82104	124.59594	243.12295	3.63634	0.2497381	0.23579541	2.5948513	20	3 17.6	21.1
217968 2001 VW_{23}	16.5	X	185.26999	11.58686	7.51780	2.63568	0.1858816	0.23623963	2.5915975	20	4 2.6	20.6
217969 2001 VB_{24}	16.2	X	233.71145	25.33609	33.03254	1.82357	0.0900007	0.24694411	2.5161524	20	7 17.7	19.7
217970 2001 VK_{25}	16.6	X	125.00658	32.81288	37.70604	4.28318	0.1374824	0.23250528	2.6192734	20	4 6.8	20.4
217971 2001 VY_{25}	16.2	X	128.95374	167.61546	238.94372	3.63318	0.2546625	0.23075625	2.6324920	20	3 21.8	20.5
217972 2001 VD_{26}	15.6	X	169.79877	139.92992	235.96733	12.67967	0.1651607	0.23304593	2.6152209	20	3 10.7	20.1
217973 2001 VA_{31}	15.9	X	155.62621	275.99127	59.16613	7.51975	0.2303841	0.22580642	2.6708235	20	1 21.3	20.4
217974 2001 VJ_{35}	16.0	X	243.72240	85.12334	314.33282	1.93253	0.1593226	0.24536795	2.5269161	20	6 24.9	19.6
217975 2001 VY_{42}	15.3	X	157.78173	160.56212	247.61119	14.39293	0.1134743	0.23328177	2.6134579	20	4 5.8	19.5
217976 2001 VR_{44}	15.4	X	267.62831	232.35642	160.59398	1.02299	0.1516798	0.24741748	2.5129420	20	7 17.1	18.6
217977 2001 VK_{51}	16.6	X	169.68318	112.37326	284.57514	4.13929	0.3192052	0.23738231	2.5832741	20	4 13.2	21.4
217978 2001 VQ_{73}	16.2	X	168.26811	103.36256	246.93238	3.81769	0.1073261	0.22856264	2.6493086	20	2 7.9	20.3
217979 2001 VG_{78}	15.6	X	54.68992	285.10579	153.09593	8.85447	0.2645503	0.22200658	2.7012129	20	1 22.8	17.9
217980 2001 VJ_{85}	15.9	X	217.51686	36.29385	248.99741	13.89499	0.0975640	0.22801121	2.6535784	20	1 8.4	20.1
217981 2001 VN_{88}	16.4	X	168.90975	313.87161	69.35020	14.04763	0.1925943	0.23557462	2.5964724	20	4 1.4	20.9
217982 2001 VY_{94}	15.6	X	114.38749	325.59800	121.11092	14.15031	0.2518128	0.23143783	2.6273211	20	5 4.1	20.0
217983 2001 VT_{98}	15.6	X	221.30755	161.04114	199.74028	14.23609	0.3113314	0.23977275	2.5660759	20	4 5.9	20.3
217984 2001 VD_{108}	15.8	X	72.62643	175.76702	240.98015	13.75803	0.0749865	0.22320903	2.6915031	20	1 1.3	19.3
217985 2001 VB_{116}	15.6	X	85.24773	147.49771	255.96663	13.75712	0.1058821	0.22244078	2.6976966	20	1 6.4	19.0
217986 2001 VN_{124}	16.2	X	154.03447	307.78368	81.85803	3.94381	0.0915879	0.23078142	2.6323007	20	3 14.6	20.0
217987 2001 VG_{131}	15.8	X	124.98871	280.03304	101.87635	14.99600	0.0732583	0.22735104	2.6587128	20	1 28.8	19.5
217988 2001 WT_{19}	15.6	X	309.91931	304.71981	244.86249	7.57550	0.1121943	0.22449077	2.6812484	20	—	—
217989 2001 WU_{46}	15.7	X	229.34004	301.21710	40.72270	6.73630	0.0708579	0.23581780	2.5946871	20	4 4.6	19.4
217990 2001 WA_{55}	16.7	X	131.74319	128.65899	264.70319	0.85642	0.1123833	0.23031739	2.6358350	20	2 23.3	20.3
217991 2001 WN_{55}	14.4	X	75.71244	246.06221	231.94140	7.66840	0.1531570	0.12553917	3.9501769	20	4 13.7	19.8
217992 2001 WM_{64}	15.8	X	158.59409	66.23422	262.67606	4.48450	0.0667573	0.22230579	2.6987886	20	1 1.0	19.7
217993 2001 WE_{84}	16.4	X	137.46934	129.98924	230.83837	5.34903	0.0636924	0.22465645	2.6799300	20	1 14.3	20.1
217994 2001 WD_{100}	16.3	X	169.00775	58.60162	320.44315	2.95509	0.2483962	0.23288096	2.6164557	20	3 21.4	20.9
217995 2001 WE_{100}	15.5	X	156.29246	85.17484	281.36616	13.70216	0.1480286	0.22595218	2.6696748	20	2 14.9	19.8
217996 2001 XD_{14}	15.7	X	138.73577	305.39652	57.23608	14.09415	0.2795786	0.22584951	2.6704838	20	2 16.9	20.3
217997 2001 XY_{14}	15.5	X	206.41507	8.58209	25.11142	8.17026	0.1973979	0.23793742	2.5792546	20	5 7.2	19.8
217998 2001 XU_{16}	15.8	X	119.70963	54.34172	305.79516	6.85763	0.2327239	0.22269123	2.6956736	20	1 16.8	19.6
217999 2001 XH_{54}	15.7	X	107.33601	273.03343	97.98378	13.97539	0.1972858	0.22298773	2.6932835	20	1 10.7	19.3
218000 2001 XD_{71}	16.6	X	148.39540	209.39644	187.12317	6.11833	0.2548172	0.23289028	2.6163860	20	3 27.5	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218001 2001 XQ_{72}	16.3	X	176.01558	267.49105	108.56786	3.32517	0.2159004	0.23469300	2.6029708	20	3 24.8	20.6
218002 2001 XK_{75}	16.0	X	140.67076	29.30526	340.45081	2.94905	0.1041095	0.22574109	2.6713388	20	2 4.4	19.7
218003 2001 XL_{80}	15.9	X	142.94259	262.69385	164.17972	5.75486	0.2063842	0.23387644	2.6090260	20	4 27.4	20.1
218004 2001 XO_{86}	16.0	X	190.95838	127.97324	268.65818	4.00126	0.3435858	0.23680481	2.5874723	20	4 27.3	21.0
218005 2001 XN_{104}	16.6	X	327.81400	47.11297	265.14636	16.81265	0.0846176	0.35162348	1.9880050	20	7 11.5	18.1
218006 2001 XU_{113}	16.3	X	204.57531	253.34034	119.21111	6.59814	0.3446650	0.23744481	2.5828207	20	4 11.5	21.3
218007 2001 XZ_{127}	17.0	X	195.20495	156.52093	207.29801	1.87535	0.2481954	0.23624328	2.5915708	20	3 23.3	21.4
218008 2001 XQ_{157}	16.6	X	140.20486	222.92463	178.97620	2.64498	0.1721272	0.22965910	2.6408695	20	3 20.7	20.7
218009 2001 XU_{202}	16.5	X	170.17912	265.15581	137.90178	4.03953	0.1618863	0.23659694	2.5889876	20	4 20.0	20.7
218010 2001 XF_{217}	15.8	X	119.52979	312.78707	91.32017	4.26112	0.2495833	0.22674228	2.6634694	20	3 13.5	19.8
218011 2001 XS_{224}	15.9	X	22.92060	195.18156	287.90063	4.47759	0.0214020	0.22444399	2.6816210	20	1 15.9	19.3
218012 2001 XD_{227}	16.5	X	153.60024	49.75142	336.09170	1.92654	0.0909889	0.23045758	2.6347660	20	3 7.0	20.3
218013 2001 XL_{227}	16.0	X	213.05421	8.02049	263.34594	8.26171	0.0334297	0.22135155	2.7065393	20	—	—
218014 2001 XO_{228}	15.7	X	114.54090	279.97653	68.04998	14.71903	0.1027670	0.21932161	2.7232139	20	—	—
218015 2001 XR_{228}	15.7	X	151.80990	90.00384	269.49509	11.15987	0.2030396	0.22807546	2.6530800	20	2 7.9	20.1
218016 2001 XV_{238}	16.3	X	210.40261	312.05071	81.32026	2.44156	0.2689221	0.23966137	2.5668709	20	5 9.5	20.9
218017 2001 XV_{266}	19.6	X	335.18179	265.04638	214.10270	12.00279	0.1927552	0.75324968	1.1963091	20	—	—
218018 2001 YR_{7}	15.5	X	224.63720	65.80282	270.87806	13.29175	0.1375969	0.23534659	2.5981493	20	3 10.8	20.0
218019 2001 YX_{14}	17.1	X	272.69184	132.10642	270.31687	17.24439	0.0968887	0.35685675	1.9685212	20	8 19.9	19.3
218020 2001 YN_{32}	16.2	X	169.27565	13.65784	359.17192	1.52489	0.1087139	0.23084378	2.6318265	20	3 9.0	20.2
218021 2001 YY_{32}	15.8	X	174.20667	1.96168	292.01107	4.38835	0.0381216	0.21852962	2.7297896	20	—	—
218022 2001 YK_{42}	16.6	X	160.58040	84.40968	306.80730	3.50281	0.2586836	0.23299621	2.6155928	20	3 29.3	21.2
218023 2001 YL_{45}	15.5	X	195.38186	61.78814	267.59268	13.62468	0.1043429	0.22725147	2.6594893	20	2 5.9	19.8
218024 2001 YC_{56}	15.5	X	128.99908	131.42463	288.83796	7.21532	0.1760010	0.23059669	2.6337062	20	3 28.6	19.7
218025 2001 YC_{59}	16.2	X	311.20654	241.52284	304.91742	3.89327	0.0930393	0.21988051	2.7185974	20	—	—
218026 2001 YN_{89}	15.7	X	181.06137	63.83972	297.86552	11.71227	0.2913255	0.23001387	2.6381533	20	3 6.9	20.7
218027 2001 YA_{108}	15.7	X	139.74578	264.78021	127.75529	13.42330	0.2798772	0.22707041	2.6609029	20	3 22.4	20.4
218028 2001 YQ_{109}	15.6	X	230.61541	68.13345	317.40716	3.95587	0.2544921	0.24001803	2.5643274	20	5 14.8	19.9
218029 2001 YJ_{137}	15.5	X	27.80649	137.58412	303.56403	16.10624	0.0844060	0.21576759	2.7530361	20	—	—
218030 2001 YQ_{143}	15.9	X	119.10709	87.08720	328.82679	6.00897	0.0786819	0.22708644	2.6607776	20	3 3.3	19.4
218031 2002 AL_{2}	15.8	X	165.20517	240.75310	152.94064	29.44852	0.2711895	0.23371082	2.6102584	20	4 12.3	20.8
218032 2002 AU_{9}	16.0	X	52.94317	127.37241	304.55636	9.08051	0.2014161	0.21736570	2.7395256	20	1 5.6	18.6
218033 2002 AB_{15}	15.0	X	256.36153	308.78492	16.81721	13.72654	0.2205369	0.23583255	2.5945789	20	3 29.6	19.1
218034 2002 AJ_{36}	15.8	X	166.10267	252.25734	124.02423	13.19807	0.2504531	0.23165075	2.6257109	20	3 21.7	20.5
218035 2002 AA_{43}	15.9	X	239.35691	338.81890	225.60951	3.08457	0.0378141	0.21007906	2.8025124	20	—	—
218036 2002 AP_{104}	16.0	X	74.35331	117.87861	299.22356	7.24099	0.2167357	0.21977349	2.7194799	20	1 25.9	18.9
218037 2002 AU_{133}	15.3	X	193.83782	264.74298	108.60439	24.12611	0.2841117	0.23502703	2.6005039	20	4 14.6	20.5
218038 2002 AE_{137}	16.1	X	93.72954	147.87631	264.30888	2.75640	0.0880614	0.22083688	2.7107428	20	1 28.5	19.6
218039 2002 AS_{145}	16.1	X	111.04659	56.26679	269.08540	2.62101	0.0944516	0.21015725	2.8018172	20	—	—
218040 2002 AY_{206}	16.5	X	210.88152	200.16326	163.80594	13.70929	0.2155309	0.23937754	2.5688995	20	4 7.9	20.9
218041 2002 BC_{3}	15.2	X	134.39735	48.13565	353.34774	13.44916	0.3060234	0.22832145	2.6511741	20	3 24.4	19.7
218042 2002 BB_{25}	16.9	X	55.87340	95.77263	330.92804	6.23839	0.1050636	0.26898618	2.3767458	20	—	—
218043 2002 BX_{29}	15.1	X	172.35006	36.70130	1.87608	13.09951	0.1794561	0.23128856	2.6284514	20	4 12.3	19.4
218044 2002 CO_{44}	16.8	X	230.28758	120.64462	296.65617	16.06671	0.1024400	0.34731231	2.0044225	20	7 16.0	19.0
218045 2002 CM_{68}	16.4	X	95.37318	278.56292	129.31976	3.75298	0.2049680	0.22053600	2.7132078	20	2 12.8	19.7
218046 2002 CP_{120}	16.4	X	116.36407	93.23489	301.68854	2.52549	0.2165020	0.22249778	2.6972359	20	2 21.7	20.2
218047 2002 CS_{120}	15.9	X	114.32272	259.97645	134.31398	16.17424	0.1962035	0.22129962	2.7069627	20	2 17.9	19.8
218048 2002 CH_{176}	16.0	X	280.12114	174.35328	331.38342	5.00801	0.0138659	0.20626871	2.8369204	20	—	—
218049 2002 CO_{213}	16.4	X	220.73611	53.85553	147.40826	2.67638	0.0096543	0.20299057	2.8673814	20	—	—
218050 2002 CM_{226}	15.0	X	127.72417	33.09229	303.49967	19.92058	0.1114706	0.21047485	2.7989979	20	—	—
218051 2002 CZ_{303}	14.9	X	7.41758	303.34409	315.76868	20.03497	0.2150015	0.17630226	3.1499051	20	7 5.2	18.4
218052 2002 CT_{311}	16.2	X	214.88864	228.51067	322.89126	3.43648	0.0848639	0.19909993	2.9046154	20	12 6.7	20.5
218053 2002 DT_{1}	17.4	X	201.00401	30.36622	266.90133	1.93557	0.2452461	0.31881005	2.1221759	20	1 1.4	20.9
218054 2002 DG_{15}	15.5	X	289.75904	352.00211	165.37343	8.03960	0.0433834	0.20629540	2.8366757	20	—	—
218055 2002 EF_{4}	15.7	X	86.09397	125.57246	168.13368	11.08735	0.0693330	0.19309369	2.9645401	20	11 24.6	20.2
218056 2002 ET_{35}	16.0	X	14.73950	346.76913	318.48111	3.86606	0.1484098	0.18417737	3.0594630	20	9 11.9	19.6
218057 2002 ET_{41}	14.9	X	52.09584	281.53472	329.21850	15.00975	0.2286367	0.18026051	3.1036232	20	9 6.9	19.2
218058 2002 EA_{45}	15.4	X	72.87423	281.69290	326.25498	8.19195	0.0652469	0.18385733	3.0630123	20	9 7.7	19.8
218059 2002 EW_{46}	15.0	X	38.45539	86.61888	149.05364	17.64601	0.1550536	0.17465680	3.1696578	20	7 19.5	19.2
218060 2002 EJ_{54}	15.0	X	32.13067	304.96473	340.08906	12.39427	0.1178004	0.18202100	3.0835788	20	9 8.6	18.8
218061 2002 EG_{65}	15.8	X	21.52501	248.85715	170.25379	2.11364	0.0580860	0.20321782	2.8652434	20	—	—
218062 2002 EQ_{70}	15.7	X	144.96105	31.78935	178.66459	2.33707	0.1801740	0.18763450	3.0217666	20	10 17.8	20.8
218063 2002 EB_{101}	14.9	X	13.86401	114.46191	140.02266	25.72122	0.2218351	0.17466167	3.1695989	20	7 10.4	18.5
218064 2002 EL_{105}	15.4	X	55.43975	70.57930	158.16451	17.23388	0.0965134	0.17788572	3.1311845	20	7 26.5	19.8
218065 2002 EO_{106}	17.3	X	137.23618	139.19430	101.94967	5.40127	0.2100561	0.29840070	2.2178704	20	12 2.0	20.9
218066 2002 EF_{135}	15.5	X	51.20570	66.66708	196.06198	10.63988	0.0332157	0.18200945	3.0837093	20	8 23.6	19.9
218067 2002 EC_{148}	15.9	X	333.20646	303.54618	153.32792	2.48983	0.0334042	0.20099882	2.8862927	20	—	—
218068 2002 FX_{1}	15.7	X	186.93414	29.57792	179.16478	16.75198	0.0496898	0.19517329	2.9434441	20	12 1.6	20.3
218069 2002 FN_{19}	16.4	X	191.95161	227.38663	338.86375	1.30327	0.0378728	0.19714276	2.9238079	20	12 3.7	20.6
218070 2002 FL_{37}	12.7	X	286.07156	53.15752	6.45438	22.77990	0.0544963	0.08512507	5.1179698	20	9 15.9	19.5
218071 2002 GO_{44}	15.4	X	165.33851	221.66764	336.31584	8.73342	0.0244134	0.18932164	3.0037876	20	10 19.8	19.8
218072 2002 GO_{58}	15.2	X	115.93290	1.76675	199.84679	10.00361	0.0532184	0.18058259	3.0999318	20	8 29.1	19.8
218073 2002 GQ_{65}	15.1	X	316.06197	356.70701	25.38999	22.93004	0.0473638	0.18364628	3.0653587	20	9 27.3	19.4
218074 2002 GR_{70}	14.3	X	354.84079	294.90620	45.76048	15.16413	0.2864853	0.17694788	3.1422384	20	10 11.9	17.2
218075 2002 GY_{70}	15.0	X	343.40908	198.95265	99.79320	6.13794	0.1460655	0.17276343	3.1927740	20	7 6.9	18.7
218076 2002 GK_{77}	15.0	X	191.98105	35.83762	166.06015	9.65287	0.0551768	0.19331897	2.9622365	20	11 28.1	19.5
218077 2002 GY_{88}	15.0	X	47.27097	112.58415	162.60978	14.91164	0.1330103	0.17753841	3.1352667	20	9 21.4	19.2
218078 2002 GT_{89}	17.4	X	141.74119	108.27429	200.83730	4.67273	0.2058310	0.30541533	2.1837797	20	—	—
218079 2002 GQ_{91}	15.0	X	124.70601	60.08792	149.83064	9.34386	0.0649503	0.18360113	3.0658612	20	9 24.5	19.6
218080 2002 GY_{101}	15.3	X	196.91241	343.65122	140.05898	9.70782	0.0472969	0.18144707	3.0900777	20	8 27.7	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218081 2002 GS_{117}	15.1	X	79.20286	107.18106	158.45103	11.74689	0.0371414	0.18509070	3.0493901	20	10 8.4	19.5
218082 2002 GU_{118}	16.9	X	106.67526	211.84364	71.08790	4.07338	0.3171027	0.29599771	2.2298577	20	12 28.7	20.8
218083 2002 GQ_{134}	14.7	X	282.33429	342.44732	13.05533	15.97821	0.0882737	0.17425331	3.1745489	20	6 22.9	19.4
218084 2002 GO_{136}	15.6	X	11.59782	290.65862	340.69744	2.28884	0.1674659	0.17240857	3.1971534	20	7 23.7	19.1
218085 2002 GJ_{143}	15.2	X	328.94540	299.48011	7.76646	3.26171	0.0418958	0.17214049	3.2004720	20	7 1.3	19.4
218086 2002 GM_{148}	15.3	X	16.58542	288.57419	4.47130	5.13633	0.1245719	0.17820679	3.1274225	20	8 28.7	19.2
218087 2002 GZ_{184}	15.4	X	352.16718	263.38865	41.95024	5.82705	0.1898281	0.17274791	3.1929651	20	8 4.4	18.8
218088 2002 HT_{6}	15.0	X	100.70571	230.51717	1.60577	8.82011	0.1102587	0.18101882	3.0949495	20	9 26.9	19.7
218089 2002 HY_{13}	14.8	X	113.13426	37.51219	168.54158	28.10105	0.1183262	0.17879687	3.1205377	20	9 8.8	19.4
218090 2002 JS_{7}	14.9	X	82.52199	52.66560	191.98881	11.39144	0.0512972	0.17934898	3.1141302	20	9 12.9	19.4
218091 2002 JR_{10}	17.1	X	145.18753	105.55392	157.23948	6.70517	0.1548478	0.29992739	2.2103377	20	—	—
218092 2002 JQ_{19}	15.0	X	162.07512	335.44030	178.57385	10.15883	0.0316130	0.17763141	3.1341723	20	8 22.7	19.6
218093 2002 JV_{38}	17.1	X	243.72715	288.24194	269.15915	3.51981	0.0921317	0.30595170	2.1812267	20	—	—
218094 2002 JD_{79}	17.6	X	189.52906	261.73364	340.32982	1.68283	0.1493092	0.30438345	2.1887124	20	—	—
218095 2002 JC_{123}	15.3	X	34.43595	133.55403	145.10127	10.60214	0.0560187	0.17757958	3.1347822	20	8 27.6	19.5
218096 2002 KB_{14}	17.1	X	128.81577	113.17266	142.64973	8.46340	0.1565301	0.29461109	2.2368489	20	12 13.3	20.6
218097 Maoxianxin	15.2	X	126.67018	31.71949	158.12959	10.08513	0.0531778	0.17530033	3.1618958	20	8 28.8	19.9
218098 2002 MG	15.7	X	16.00839	130.38043	224.91666	23.79122	0.2767845	0.28276829	2.2988762	20	12 31.4	19.1
218099 2002 MH_{3}	16.1	X	27.73461	227.78206	109.40589	7.64045	0.2376966	0.28114933	2.3076929	20	12 20.9	19.0
218100 2002 NY_{3}	17.6	X	81.74854	106.86074	162.73792	3.10017	0.1597300	0.28577014	2.2827490	20	11 14.6	20.9
218101 2002 NH_{27}	17.0	X	44.34522	42.72247	269.57960	0.88740	0.2600897	0.28185575	2.3038354	20	12 9.9	20.2
218102 2002 NL_{35}	17.0	X	59.51189	136.48285	183.60630	6.05174	0.1788562	0.28650395	2.2788495	20	12 26.9	20.4
218103 2002 NJ_{49}	16.6	X	103.46845	299.74119	306.12720	23.21589	0.2611992	0.28442731	2.2899282	20	10 31.4	21.1
218104 2002 NO_{55}	16.7	X	50.00168	98.90257	218.56420	3.41085	0.2690240	0.28426086	2.2908220	20	12 23.2	20.2
218105 2002 NN_{62}	17.5	X	33.68614	336.95284	344.74604	1.03804	0.2285501	0.28350249	2.2949054	20	12 6.6	20.5
218106 2002 OO_{15}	16.3	X	245.49585	238.50872	263.49647	10.96772	0.0391071	0.28763467	2.2728733	20	12 11.4	18.8
218107 2002 OM_{16}	17.0	X	101.24247	31.06308	229.73833	6.06553	0.1426674	0.28687061	2.2769073	20	11 21.1	20.3
218108 2002 OC_{22}	17.6	X	39.72683	205.63592	131.31334	1.84219	0.2465883	0.28483952	2.2877183	20	—	—
218109 2002 OU_{22}	15.7	X	18.38858	46.86438	268.13081	23.70715	0.1885274	0.27680435	2.3317793	20	10 21.7	18.8
218110 2002 OP_{27}	16.8	X	312.66224	120.04088	268.51013	5.61375	0.1070080	0.27734715	2.3287359	20	10 3.9	19.2
218111 2002 PW_{16}	17.8	X	48.76611	158.33799	137.45194	2.38156	0.2479111	0.28286510	2.2983516	20	11 22.9	21.0
218112 2002 PQ_{21}	17.0	X	347.11721	204.06912	183.35746	1.93280	0.2249164	0.28231947	2.3013120	20	12 28.3	18.9
218113 2002 PS_{53}	16.3	X	20.48808	71.47264	346.54634	6.76157	0.1469304	0.29175626	2.2514169	20	—	—
218114 2002 PP_{59}	16.8	X	19.27089	120.24345	155.95947	9.09872	0.2667384	0.27403162	2.3474820	20	9 17.5	18.8
218115 2002 PL_{60}	17.2	X	25.30647	229.54911	107.73762	3.58599	0.2539951	0.28047019	2.3114167	20	12 20.2	20.0
218116 2002 PG_{68}	17.9	X	65.93978	107.65834	149.29871	4.41729	0.2935868	0.28134161	2.3066414	20	10 27.1	21.5
218117 2002 PT_{71}	17.2	X	75.45890	90.80472	196.67061	6.62786	0.1208791	0.28485316	2.2876453	20	11 27.2	20.4
218118 2002 PP_{79}	16.9	X	38.46917	239.73646	99.85520	6.61642	0.2043211	0.28442105	2.2899618	20	—	—
218119 2002 PV_{105}	17.2	X	20.13682	79.16749	256.22746	5.20441	0.1300775	0.28163724	2.3050269	20	11 21.1	19.7
218120 2002 PR_{110}	17.1	X	48.98907	233.87221	87.92387	5.96789	0.1433709	0.28459582	2.2890241	20	12 13.7	20.1
218121 2002 PB_{112}	16.2	X	260.53264	157.75066	314.32456	24.49823	0.1572167	0.28288352	2.2982518	20	10 16.9	19.6
218122 2002 PF_{113}	16.1	X	65.80346	325.40313	332.06172	24.11885	0.1396859	0.28457527	2.2891343	20	11 24.4	20.0
218123 2002 PR_{114}	16.6	X	358.29673	58.52962	313.36662	3.89399	0.1388144	0.28172492	2.3045486	20	12 10.4	18.9
218124 2002 PS_{120}	16.5	X	316.40685	137.52763	291.95975	4.58670	0.1378292	0.28307860	2.2971958	20	12 19.5	18.3
218125 2002 PZ_{125}	16.9	X	28.49075	355.93082	346.09875	5.27602	0.2054127	0.28338274	2.2955519	20	12 24.2	19.9
218126 2002 PY_{132}	17.4	X	32.61547	188.46909	165.56737	2.51121	0.1907574	0.28586167	2.2822617	20	—	—
218127 2002 PK_{139}	16.2	X	64.88218	330.53167	348.82853	24.98356	0.2294921	0.28463158	2.2888324	20	—	—
218128 2002 PQ_{178}	16.9	X	277.12693	141.45087	279.73971	8.81523	0.2378249	0.27324027	2.3520122	20	8 25.2	19.6
218129 2002 QU_{20}	17.2	X	26.09019	354.69715	343.67710	3.45546	0.2615747	0.28161631	2.3051411	20	12 23.9	20.2
218130 2002 QQ_{27}	17.6	X	5.15760	260.19989	84.18047	4.19839	0.2077142	0.27975683	2.3153443	20	11 23.7	19.8
218131 2002 QT_{45}	17.0	X	22.92941	44.81719	302.47035	1.76801	0.2034958	0.28214457	2.3022629	20	12 23.5	19.8
218132 2002 QU_{45}	16.7	X	335.17163	61.07875	324.78579	4.40501	0.1329767	0.27952019	2.3166509	20	11 16.3	18.9
218133 2002 QG_{89}	18.0	X	61.23524	118.08170	178.09387	2.51623	0.1783056	0.28283849	2.2984958	20	11 28.3	21.1
218134 2002 QU_{121}	16.1	X	1.30882	86.23351	320.32111	15.61069	0.2442940	0.17469356	3.1692132	20	—	—
218135 2002 QC_{126}	17.4	X	1.08014	177.42789	191.27277	4.03296	0.1594120	0.28138185	2.3064214	20	12 14.1	19.8
218136 2002 QA_{133}	17.4	X	20.58402	221.11184	134.51019	7.17327	0.1670186	0.28424045	2.2909316	20	12 26.6	20.3
218137 2002 RB_{21}	17.6	X	27.49687	315.43178	20.23868	2.91381	0.2378747	0.28122556	2.3072759	20	12 18.4	20.4
218138 2002 RT_{29}	16.8	X	331.20020	8.81318	298.57453	5.49929	0.1383517	0.26888437	2.3773457	20	7 2.9	18.8
218139 2002 RV_{29}	17.5	X	36.90505	76.02235	253.75183	4.61294	0.1858567	0.28218041	2.3020680	20	12 14.9	20.5
218140 2002 RP_{33}	14.8	X	100.03845	310.26623	330.77769	12.42426	0.1135354	0.17355657	3.1830393	20	11 19.3	19.9
218141 2002 RV_{44}	16.6	X	33.71650	195.12342	153.91712	8.47248	0.1425830	0.28352197	2.2948003	20	12 30.5	19.6
218142 2002 RY_{47}	15.7	X	9.79541	339.44495	3.93918	11.34452	0.1217540	0.22325719	2.6911159	20	10 27.8	19.1
218143 2002 RC_{60}	16.4	X	351.42159	164.98890	220.10905	4.64204	0.1801664	0.28053714	2.3110489	20	12 24.2	18.6
218144 2002 RL_{66}	15.0	X	349.18197	74.98354	23.94935	22.72444	0.3418709	0.28165993	2.3049031	20	—	—
218145 2002 RZ_{71}	15.7	X	36.83611	44.15128	338.20145	10.88880	0.1662002	0.17738361	3.1370906	20	—	—
218146 2002 RD_{72}	16.4	X	36.04412	196.81410	164.17565	6.84880	0.1361405	0.28569783	2.2831341	20	—	—
218147 2002 RU_{75}	16.5	X	24.29061	193.65301	177.21408	5.77593	0.1688006	0.28450843	2.2894928	20	—	—
218148 2002 RT_{85}	17.0	X	14.12497	340.60092	13.31008	3.00152	0.1870098	0.27996854	2.3141769	20	12 17.1	19.5
218149 2002 RA_{98}	16.5	X	322.03739	28.79025	356.71926	3.81954	0.2569736	0.27393546	2.3480313	20	10 19.2	17.4
218150 2002 RC_{106}	16.1	X	296.57388	353.92701	23.36968	11.14761	0.2727083	0.26743791	2.3859101	20	7 25.3	18.6
218151 2002 RF_{111}	16.6	X	305.29034	78.58530	301.57461	4.52159	0.2309257	0.27086539	2.3657402	20	8 21.5	18.3
218152 2002 RU_{116}	17.1	X	23.38422	31.14344	303.16994	5.28989	0.2712467	0.27918436	2.3185083	20	12 16.1	20.1
218153 2002 RS_{123}	16.3	X	282.12314	6.96850	33.61707	8.64876	0.1729270	0.27013024	2.3700304	20	8 23.6	18.9
218154 2002 RK_{133}	16.3	X	355.71305	258.84192	110.84227	9.57322	0.2310286	0.27816336	2.3241783	20	12 17.9	18.5
218155 2002 RT_{141}	17.3	X	352.62860	56.36387	279.16883	2.40738	0.1588994	0.27517112	2.3409968	20	10 5.5	19.4
218156 2002 RB_{148}	17.2	X	56.43170	108.43184	183.03958	1.94151	0.2106478	0.28026145	2.3125642	20	11 20.3	20.4
218157 2002 RS_{150}	16.8	X	324.52843	132.95992	255.15264	5.49316	0.1314050	0.27643561	2.3338524	20	10 28.2	18.8
218158 2002 RL_{164}	16.9	X	200.48402	8.82369	175.81289	7.18939	0.0558726	0.28375577	2.2935396	20	12 5.3	19.9
218159 2002 RK_{171}	16.7	X	350.31766	24.86491	23.27008	6.05351	0.1411454	0.28403903	2.2920146	20	—	—
218160 2002 RX_{175}	17.3	X	34.07113	85.58757	230.59012	4.88698	0.1828296	0.27981754	2.3150094	20	11 22.6	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218161 2002 RX_{179}	17.8	X	352.31769	155.96877	177.57170	3.56215	0.1272995	0.27368642	2.3494555	20	9 29.7	19.7
218162 2002 RO_{213}	16.5	X	3.75549	322.76937	10.21981	11.55924	0.2047381	0.27835623	2.3231045	20	10 29.9	18.7
218163 2002 RH_{225}	17.2	X	351.21944	155.16004	208.07900	5.85122	0.1412554	0.27821236	2.3239054	20	11 15.6	19.4
218164 2002 RA_{229}	17.2	X	315.96645	253.36216	96.96092	7.05950	0.1654964	0.27157596	2.3616118	20	8 9.1	19.2
218165 2002 RG_{245}	17.2	X	321.01975	26.20639	343.07589	2.92529	0.2368418	0.27517259	2.3409884	20	9 16.6	18.5
218166 2002 RG_{264}	17.3	X	59.62465	19.35094	273.59153	2.47835	0.2100051	0.28089703	2.3090745	20	11 24.8	20.7
218167 2002 SN_{5}	17.4	X	38.19186	184.97728	122.26099	0.45039	0.2344963	0.27857641	2.3218803	20	11 22.9	20.4
218168 2002 SF_{7}	17.2	X	10.25002	325.21357	9.59595	4.05934	0.1486542	0.27638307	2.3341482	20	11 5.7	19.7
218169 2002 SM_{16}	15.9	X	59.91141	115.47811	314.85507	14.52413	0.2811052	0.18189433	3.0850102	20	2 5.4	19.1
218170 2002 SN_{23}	15.3	X	34.52496	335.13575	75.99721	2.76059	0.0946944	0.17819183	3.1275975	20	—	—
218171 2002 ST_{38}	16.7	X	338.32883	188.59741	146.55421	4.19864	0.1132932	0.27140182	2.3626218	20	9 3.1	18.8
218172 2002 SN_{43}	16.8	X	320.36614	36.12876	327.69960	1.40371	0.2272704	0.27188038	2.3598486	20	9 4.3	18.2
218173 2002 SL_{45}	16.4	X	300.52155	38.62847	14.13638	7.27851	0.0942574	0.27423506	2.3463208	20	10 20.6	18.6
218174 2002 SO_{67}	17.0	X	272.47891	259.97558	121.39517	7.59840	0.1251178	0.26929836	2.3749086	20	7 13.3	19.7
218175 2002 SU_{71}	16.7	X	7.67732	114.53375	231.18394	4.13709	0.1563224	0.27752014	2.3277681	20	11 20.1	18.9
218176 2002 TN_{2}	17.1	X	343.49680	118.03393	237.60427	1.47609	0.2237526	0.27472769	2.3435151	20	10 27.2	18.7
218177 2002 TV_{6}	16.1	X	297.82265	63.38807	19.37524	7.92119	0.0537139	0.27916713	2.3186037	20	12 1.8	18.7
218178 2002 TJ_{14}	17.4	X	301.53280	264.02497	138.87273	1.58435	0.1862815	0.27296224	2.3536091	20	9 29.7	19.0
218179 2002 TK_{24}	16.3	X	300.64424	344.73076	17.76083	7.25148	0.1224243	0.26801456	2.3824865	20	8 4.6	18.8
218180 2002 TM_{29}	16.9	X	343.21069	242.83158	125.28606	2.99793	0.2286317	0.27502993	2.3417979	20	11 18.7	18.5
218181 2002 TX_{29}	16.8	X	340.94015	126.99306	212.24576	1.43650	0.2209285	0.27190757	2.3596912	20	9 19.8	18.0
218182 2002 TG_{35}	16.8	X	6.51603	122.35534	184.58962	6.24067	0.1135824	0.27098497	2.3650441	20	9 11.9	19.1
218183 2002 TQ_{40}	16.4	X	7.30360	14.38677	35.36032	4.01390	0.2370336	0.28082346	2.3094778	20	—	—
218184 2002 TA_{41}	16.2	X	342.20146	292.17199	51.05072	5.17136	0.1900600	0.27151391	2.3619715	20	10 1.1	17.9
218185 2002 TF_{47}	16.7	X	293.95641	188.83504	201.54666	6.53235	0.2125834	0.26879980	2.3778443	20	8 14.7	19.1
218186 2002 TQ_{52}	16.4	X	304.53673	195.96515	198.85195	4.88611	0.2348023	0.26986145	2.3716039	20	9 13.2	18.1
218187 2002 TD_{63}	16.6	X	348.92087	17.16834	324.77454	3.34819	0.1478826	0.27358062	2.3500611	20	10 6.1	18.7
218188 2002 TG_{67}	15.9	X	286.27489	138.42641	322.83517	24.30424	0.1622645	0.28059610	2.3107251	20	11 29.7	18.7
218189 2002 TC_{68}	16.1	X	340.75261	359.62917	342.31002	24.62052	0.2327273	0.27230749	2.3573804	20	9 17.5	17.7
218190 2002 TR_{78}	16.9	X	313.23874	263.78079	101.90839	3.86603	0.2500185	0.27034149	2.3687956	20	8 16.3	18.4
218191 2002 TW_{84}	16.7	X	9.60718	240.64444	130.41215	7.05959	0.1495165	0.27945602	2.3170055	20	12 28.1	19.3
218192 2002 TA_{88}	15.8	X	339.00964	71.61292	347.11269	3.85012	0.1497602	0.17068100	3.2186908	20	12 5.5	19.6
218193 2002 TQ_{91}	16.7	X	314.40345	95.00949	256.13817	4.38300	0.2093177	0.26885357	2.3775273	20	7 27.8	18.7
218194 2002 TT_{91}	16.3	X	348.99564	92.83497	249.49945	5.82502	0.1525031	0.27272193	2.3549915	20	10 5.9	18.5
218195 2002 TD_{99}	16.9	X	37.63370	289.03138	320.56932	4.37912	0.1498677	0.26790580	2.3831313	20	8 16.6	19.5
218196 2002 TH_{102}	17.1	X	9.79963	70.14607	231.58440	5.39646	0.1977765	0.27269079	2.3551708	20	9 21.4	19.2
218197 2002 TH_{111}	16.5	X	263.56673	116.10398	310.46984	4.65869	0.2009990	0.26909457	2.3761075	20	8 21.5	19.2
218198 2002 TZ_{130}	17.3	X	309.20471	32.13206	303.86028	2.99077	0.1718766	0.26777155	2.3839278	20	6 28.8	19.6
218199 2002 TW_{134}	16.2	X	347.77634	34.80340	333.13815	7.09475	0.1685470	0.27671487	2.3322819	20	11 15.9	18.5
218200 2002 TO_{146}	16.8	X	290.68945	182.69706	221.22067	3.60872	0.1570029	0.27186443	2.3599409	20	9 9.8	19.0
218201 2002 TM_{183}	16.4	X	296.24043	129.02293	268.56906	2.02974	0.1947418	0.21652626	2.7466015	20	8 26.5	19.5
218202 2002 TU_{184}	16.6	X	342.71669	355.67209	347.55766	5.94661	0.1349049	0.27354751	2.3502508	20	9 24.7	18.7
218203 2002 TS_{186}	16.6	X	0.75809	17.64325	306.88395	4.76713	0.1258016	0.27355996	2.3501795	20	9 28.5	18.9
218204 2002 TN_{213}	15.4	X	117.99544	318.83851	23.75372	9.79851	0.0649721	0.18117568	3.0931629	20	—	—
218205 2002 TR_{215}	17.1	X	330.36162	278.61362	106.45147	6.46366	0.2568728	0.27601375	2.3362298	20	11 19.4	18.4
218206 2002 TP_{217}	17.3	X	339.80126	269.29994	43.84786	3.11166	0.1970885	0.26817075	2.3815614	20	7 31.3	18.8
218207 2002 TA_{219}	16.8	X	352.53624	5.19292	313.85955	6.06712	0.2212667	0.27259459	2.3557248	20	9 13.4	18.4
218208 2002 TD_{253}	17.1	X	326.22282	137.68683	214.89017	0.48518	0.2003275	0.27032269	2.3689054	20	9 1.9	18.5
218209 2002 TL_{257}	16.9	X	331.35141	276.16300	88.59599	3.05787	0.2438022	0.27274627	2.3548513	20	10 12.9	18.0
218210 2002 TR_{266}	15.2	X	167.12506	138.53947	254.69878	2.85419	0.2077298	0.24563721	2.5250691	20	4 3.6	19.3
218211 2002 TH_{278}	16.8	X	345.05693	87.28853	293.29767	4.60348	0.2254371	0.27682825	2.3316451	20	12 11.5	18.6
218212 2002 TK_{278}	16.1	X	337.41247	159.12882	229.37406	11.97907	0.1776840	0.27636648	2.3342416	20	11 30.8	18.0
218213 2002 TC_{286}	16.9	X	339.93542	32.49491	318.81735	2.99589	0.2857791	0.27270289	2.3551011	20	10 15.3	18.0
218214 2002 TY_{298}	16.3	X	295.83144	149.90543	250.37972	4.29542	0.2065858	0.26973787	2.3723282	20	9 4.9	18.5
218215 2002 TZ_{332}	16.8	X	53.30118	107.43911	165.64841	6.28581	0.0925722	0.27385557	2.3484879	20	10 6.2	19.7
218216 2002 UJ_{31}	17.2	X	24.62998	5.00795	295.37585	5.64337	0.2205764	0.27400507	2.3476336	20	10 19.9	19.8
218217 2002 UB_{39}	17.6	X	281.57689	209.06797	207.31686	0.54632	0.1789649	0.26926189	2.3751231	20	9 9.4	19.7
218218 2002 VG_{7}	16.9	X	341.66376	220.71088	118.98018	2.93586	0.1772529	0.27017098	2.3697921	20	9 21.3	18.6
218219 2002 VO_{11}	16.8	X	18.85313	338.11362	5.29079	2.62465	0.2578826	0.27688646	2.3313183	20	12 19.8	19.5
218220 2002 VS_{16}	16.9	X	299.98834	125.45962	256.63197	6.09852	0.1513594	0.26859672	2.3790428	20	8 22.9	19.3
218221 2002 VZ_{29}	16.7	X	269.21544	312.92464	61.68753	2.83328	0.1711853	0.26181164	2.4199706	20	6 20.9	19.6
218222 2002 VF_{32}	16.4	X	1.60491	290.17063	55.95846	7.02314	0.1839542	0.27257071	2.3558624	20	11 13.5	18.6
218223 2002 VB_{34}	16.7	X	247.27672	325.84718	57.46173	3.20701	0.1846345	0.25860851	2.4399121	20	6 4.1	20.2
218224 2002 VY_{64}	16.3	X	324.98690	355.47358	6.45873	6.59260	0.1313374	0.26970760	2.3725057	20	9 18.5	18.2
218225 2002 VT_{65}	16.1	X	0.61368	357.45939	329.93739	12.15769	0.1824698	0.27188645	2.3598135	20	10 6.2	18.5
218226 2002 VN_{67}	16.8	X	292.66337	297.69119	76.16584	3.29269	0.1915090	0.26646943	2.3916876	20	7 24.1	19.1
218227 2002 VD_{76}	16.5	X	10.08793	174.01947	134.61396	3.90837	0.2036006	0.27067110	2.3668721	20	10 8.2	18.6
218228 2002 VU_{77}	16.8	X	333.37845	296.75085	106.70066	4.96919	0.2400493	0.27571737	2.3379038	20	12 23.9	18.4
218229 2002 VM_{78}	16.3	X	329.26052	239.29934	74.53336	8.75000	0.2185622	0.26379863	2.4078034	20	6 29.6	18.2
218230 2002 VS_{79}	15.9	X	347.96905	227.45182	94.61442	5.27891	0.2173602	0.26773063	2.3841707	20	9 11.4	17.5
218231 2002 VM_{89}	15.6	X	154.80635	254.35963	215.84322	13.22223	0.1924490	0.25238378	2.4798672	20	6 27.9	19.9
218232 2002 VB_{93}	16.5	X	305.03072	262.90399	65.16543	6.34795	0.1939375	0.26233453	2.4167538	20	6 3.9	18.9
218233 2002 VR_{112}	16.9	X	268.96611	142.52551	237.87433	2.50392	0.1355562	0.26241890	2.4162358	20	7 4.5	19.8
218234 2002 VY_{113}	17.0	X	279.11338	244.62852	132.26630	1.80146	0.1957291	0.26380461	2.4077670	20	7 4.3	19.8
218235 2002 VP_{128}	16.7	X	287.91735	281.70043	87.74622	4.96134	0.2256529	0.26410892	2.4059172	20	7 1.9	19.2
218236 2002 WV_{4}	16.8	X	327.05702	20.66935	359.17159	6.52506	0.1265881	0.27249777	2.3562828	20	10 18.7	18.8
218237 2002 WG_{25}	17.1	X	19.06696	95.10444	208.46038	0.99939	0.1301966	0.27104255	2.3647092	20	10 2.2	19.5
218238 2002 WT_{26}	17.5	X	328.85468	115.88012	209.16555	0.69731	0.1908034	0.26669894	2.3903153	20	7 21.8	19.1
218239 2002 XA_{4}	17.3	X	295.25460	80.78588	298.35356	0.44226	0.1972266	0.26705843	2.3881697	20	8 4.6	19.5
218240 2002 XN_{25}	16.3	X	284.00192	81.00314	264.60216	5.59227	0.1455784	0.25927665	2.4357186	20	6 4.5	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218241 2002 XF_{45}	14.7	X	132.65104	108.51429	225.26989	2.05481	0.2468781	0.12538180	3.9534814	20	1 11.7	21.0
218242 2002 XD_{59}	16.0	X	240.46334	326.19320	94.34311	10.02708	0.2333071	0.25801980	2.4436220	20	7 11.4	19.6
218243 2002 XM_{72}	16.5	X	288.34436	320.47290	47.91088	2.12103	0.1991446	0.26239095	2.4164073	20	7 5.9	19.2
218244 2002 XJ_{75}	16.9	X	228.31358	90.06217	305.99446	2.81369	0.2004788	0.25632619	2.4543739	20	5 30.7	20.9
218245 2002 XN_{79}	16.4	X	252.54057	8.52465	39.59830	3.03687	0.2011109	0.26011387	2.4304893	20	7 12.6	19.7
218246 2002 XU_{81}	16.4	X	146.30090	130.16860	315.00957	4.98687	0.1272127	0.24677706	2.5172877	20	5 14.8	20.2
218247 2002 XU_{96}	17.0	X	313.97091	236.84701	139.21407	1.79499	0.1985633	0.26866179	2.3786586	20	9 11.6	18.6
218248 2002 XF_{110}	15.9	X	49.18881	46.82304	39.90550	5.46865	0.1778919	0.17863010	3.1224797	20	1 27.2	19.5
218249 2002 XL_{111}	16.0	X	203.37291	51.17634	282.84624	4.37220	0.1112214	0.24365036	2.5387777	20	2 21.4	19.8
218250 2002 XV_{119}	16.5	X	5.85557	64.54360	240.49847	8.48633	0.2223566	0.26943665	2.3740959	20	9 19.7	18.6
218251 2003 AE_{1}	15.9	X	321.21102	285.74486	106.52011	22.82923	0.3529606	0.27371273	2.3493049	20	11 20.1	17.3
218252 2003 AW_{5}	16.0	X	229.55025	133.69476	308.80655	10.81195	0.2109235	0.25783416	2.4447948	20	7 31.6	19.5
218253 2003 AD_{26}	16.1	X	71.46274	14.43894	130.10289	5.28557	0.1443784	0.24242898	2.5472977	20	5 8.7	19.2
218254 2003 AN_{26}	16.8	X	268.07072	106.11371	282.09510	3.77868	0.1999801	0.25933474	2.4353549	20	7 4.1	19.8
218255 2003 AP_{36}	15.8	X	215.99323	247.75636	314.51721	7.11313	0.2251892	0.21337616	2.7735678	20	12 7.4	20.1
218256 2003 AR_{38}	15.8	X	303.99672	93.27771	279.92128	20.45560	0.2954973	0.26309383	2.4121016	20	7 20.5	17.9
218257 2003 AZ_{38}	15.7	X	358.31190	20.67147	133.39896	14.08215	0.0992301	0.23113328	2.6296285	20	1 14.3	18.8
218258 2003 AE_{55}	15.9	X	181.22560	65.39791	17.94765	4.60694	0.1961559	0.25162025	2.4848813	20	6 18.2	20.1
218259 2003 AJ_{61}	16.3	X	263.65433	237.63416	121.41859	15.28487	0.2444715	0.25514683	2.4619313	20	5 19.0	20.3
218260 2003 AU_{81}	16.4	X	118.28582	205.28668	352.55187	19.47927	0.0587252	0.37002110	1.9215501	20	9 21.5	18.4
218261 2003 BB_{6}	15.6	X	213.15928	285.52771	310.55510	7.18252	0.0859768	0.21900359	2.7258496	20	—	—
218262 2003 BT_{11}	16.7	X	100.49484	172.87373	325.08474	2.20382	0.1131681	0.24357767	2.5392828	20	6 1.0	20.0
218263 2003 BO_{29}	15.9	X	154.16549	278.84408	129.00869	28.06472	0.0420188	0.24051604	2.5607864	20	4 10.3	20.1
218264 2003 BO_{35}	16.0	X	267.53605	139.45997	255.82481	7.92344	0.2088469	0.25748950	2.4469760	20	7 10.7	19.1
218265 2003 BB_{76}	15.9	X	186.66932	210.41972	87.50437	11.97790	0.0320383	0.22533424	2.6745533	20	—	—
218266 2003 CQ_{6}	17.0	X	352.12882	181.05432	7.92405	4.61984	0.1323198	0.28963037	2.2624204	20	2 8.0	19.2
218267 2003 CX_{17}	15.9	X	206.04667	275.75241	302.27407	13.75591	0.2045800	0.21220522	2.7837614	20	12 19.8	20.3
218268 2003 DF	16.4	X	77.35996	147.46875	357.31509	12.86020	0.1884708	0.23917560	2.5703453	20	5 18.2	20.0
218269 2003 DT	16.5	X	249.88318	313.73730	248.69563	2.80733	0.1405972	0.21845692	2.7303952	20	—	—
218270 2003 EK	16.9	X	106.88027	299.57304	343.82249	19.18432	0.0491930	0.38041906	1.8863743	20	—	—
218271 2003 ED_{4}	15.7	X	259.99824	255.80263	163.41566	22.56235	0.3798509	0.25878629	2.4387945	20	7 11.4	19.9
218272 2003 EH_{23}	15.8	X	240.82355	52.73318	156.89907	12.64301	0.1007201	0.21451867	2.7637111	20	—	—
218273 2003 EW_{61}	15.6	X	143.24020	119.34813	104.09789	6.15821	0.0482013	0.20106399	2.8856690	20	11 2.7	19.9
218274 2003 FL_{7}	16.2	X	91.65089	97.82841	271.17299	4.34665	0.0747846	0.21516882	2.7581412	20	—	—
218275 2003 FW_{23}	16.6	X	39.53851	138.14734	11.52717	3.90759	0.1297841	0.23222488	2.6213814	20	3 20.1	19.4
218276 2003 FC_{24}	16.3	X	132.02327	158.33277	171.53223	5.68269	0.0560117	0.21655151	2.7463881	20	—	—
218277 2003 FK_{27}	16.4	X	290.55446	240.98762	319.19610	1.01566	0.0486429	0.22070360	2.7118340	20	—	—
218278 2003 FV_{59}	15.5	X	143.88781	78.08123	169.58779	15.12892	0.1127255	0.20394424	2.8584357	20	12 2.9	20.3
218279 2003 FV_{60}	15.8	X	204.64138	77.63040	141.51081	7.01427	0.0773015	0.20968613	2.8060123	20	—	—
218280 2003 FR_{62}	15.7	X	145.94426	274.70138	20.65968	9.26642	0.1494254	0.20969768	2.8059093	20	—	—
218281 2003 FX_{62}	16.9	X	123.85727	335.34266	150.98944	4.76060	0.2250090	0.24287020	2.5442116	20	6 23.9	21.0
218282 2003 FE_{65}	16.2	X	234.19172	64.62785	159.09111	9.62280	0.1400591	0.21368223	2.7709187	20	—	—
218283 2003 FZ_{90}	15.8	X	322.10571	217.87941	305.30386	9.18224	0.1457988	0.21989760	2.7184566	20	—	—
218284 2003 GS_{37}	15.7	X	119.48012	332.32074	42.99627	6.79263	0.0463667	0.21972200	2.7199047	20	1 10.9	19.5
218285 2003 HF_{42}	15.0	X	332.27984	103.31580	200.77699	24.44298	0.2993592	0.17611592	3.1521265	20	6 5.1	18.5
218286 2003 JP_{8}	15.5	X	69.26442	51.24399	194.46108	11.39666	0.1320422	0.18595913	3.0398889	20	9 9.8	19.8
218287 2003 MK_{1}	15.2	X	52.69915	48.72108	209.10773	23.54280	0.2633404	0.18257211	3.0773703	20	9 21.9	19.7
218288 2003 MD_{5}	14.1	X	350.65303	35.48874	281.53488	25.22012	0.3028090	0.17491921	3.1664870	20	8 6.3	17.2
218289 2003 OV_{4}	14.9	X	305.70495	52.27539	315.22769	14.58633	0.1906319	0.17182935	3.2043344	20	7 29.3	18.9
218290 2003 OJ_{6}	14.8	X	342.72855	60.60605	277.45670	13.64016	0.1802913	0.17590416	3.1546558	20	8 22.0	18.5
218291 2003 OA_{12}	15.1	X	356.78369	68.41997	237.34875	14.93740	0.0784144	0.17325021	3.1867907	20	8 2.4	19.5
218292 2003 OQ_{28}	14.7	X	251.66419	59.54509	352.52403	5.44357	0.1166656	0.16842877	3.2473208	20	7 23.8	19.4
218293 2003 PP_{11}	14.7	X	327.83431	61.09106	276.39921	19.65432	0.1589937	0.17179683	3.2047386	20	7 25.3	18.6
218294 2003 QD_{12}	14.9	X	308.61628	212.99575	142.32980	11.16256	0.1126800	0.17044553	3.2216546	20	7 26.3	19.1
218295 2003 QG_{12}	14.5	X	289.09308	81.53303	344.67349	24.37044	0.3045383	0.17363643	3.1820634	20	9 1.5	18.4
218296 2003 QN_{54}	14.1	X	291.10749	292.93231	124.46588	9.61383	0.3469360	0.17262963	3.1944234	20	8 15.4	18.1
218297 2003 QP_{60}	14.7	X	281.88943	36.69591	6.14770	26.22939	0.1503647	0.16934711	3.2355704	20	8 26.1	19.4
218298 2003 QQ_{65}	14.6	X	339.76259	317.55733	357.85745	15.83211	0.0163733	0.16842293	3.2473959	20	8 2.2	19.3
218299 2003 RK_{12}	14.8	X	327.09355	346.18616	9.25742	16.32885	0.0945202	0.17291533	3.1909038	20	9 2.5	18.9
218300 2003 SD_{123}	14.7	X	332.26435	18.83314	21.15540	17.80105	0.1900003	0.17703891	3.1411612	20	10 29.2	18.0
218301 2003 SG_{198}	14.3	X	173.44500	103.45430	303.93234	8.79460	0.0900026	0.15041840	3.5016177	20	4 24.1	19.8
218302 2003 SW_{238}	17.7	X	223.99984	54.43754	211.35845	3.02074	0.1485044	0.31926731	2.1201491	20	—	—
218303 2003 SC_{258}	16.7	X	283.82301	283.11668	182.17564	2.60417	0.1470006	0.23816110	2.5776394	20	11 22.3	19.4
218304 2003 SV_{293}	14.6	X	325.18346	30.97891	356.56297	24.61819	0.1625890	0.17619057	3.1512362	20	9 28.2	18.2
218305 2003 SU_{306}	15.5	X	338.47662	204.96655	234.23079	10.92088	0.0890915	0.18273622	3.0755275	20	12 30.6	19.5
218306 2003 SW_{407}	15.6	X	312.27059	328.63471	63.04163	22.90855	0.0191834	0.22883501	2.6472060	20	10 17.7	19.4
218307 2003 UZ_{9}	17.4	X	227.06967	167.00051	109.33940	4.57792	0.1473097	0.31885651	2.1219698	20	—	—
218308 2003 UR_{35}	14.9	X	36.68526	256.69725	143.90339	15.42114	0.1714503	0.18516462	3.0485785	20	—	—
218309 2003 UJ_{53}	17.1	X	21.30818	79.35193	317.70207	6.28624	0.1346504	0.30066886	2.2067023	20	—	—
218310 2003 UG_{262}	17.1	X	78.88506	282.24972	81.33909	3.31828	0.1248788	0.30404227	2.1903495	20	—	—
218311 2003 UN_{274}	17.1	X	266.28011	311.90233	30.88076	5.94414	0.2175944	0.27571872	2.3378961	20	4 27.3	20.4
218312 2003 WH_{16}	17.3	X	125.01893	76.59695	221.28323	3.56942	0.1698098	0.30299065	2.1954147	20	—	—
218313 2003 WL_{131}	16.4	X	339.11017	122.54524	304.70927	3.42508	0.1897690	0.23572240	2.5953872	20	—	—
218314 2003 XE_{14}	16.3	X	159.58390	202.55141	321.94659	24.26769	0.2266677	0.27644389	2.3338058	20	9 4.4	20.5
218315 2003 YM_{13}	16.9	X	45.99365	311.16453	83.60992	7.92629	0.1272474	0.29759723	2.2218605	20	—	—
218316 2003 YT_{18}	17.5	X	238.72681	117.34855	84.20678	3.40494	0.0722047	0.29897067	2.2150506	20	—	—
218317 2003 YO_{21}	17.0	X	285.89559	285.95832	92.70614	6.27413	0.0856366	0.27398216	2.3477644	20	8 8.7	19.7
218318 2003 YJ_{26}	16.9	X	40.76713	67.92518	319.89302	4.09953	0.1644115	0.29807750	2.2194733	20	—	—
218319 2003 YK_{31}	17.7	X	98.70430	333.98417	47.53509	0.15128	0.1627804	0.30824129	2.1704119	20	—	—
218320 2003 YL_{37}	16.7	X	49.71771	287.42307	91.85380	7.15733	0.1058412	0.29534165	2.2331587	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218321 2003 YD_{55}	17.1	X	18.38166	237.97731	192.06397	2.71036	0.1221710	0.30194316	2.2004893	20	—	—
218322 2003 YC_{65}	16.9	X	23.70700	115.27078	294.63114	5.28658	0.1582382	0.29618744	2.2289053	20	—	—
218323 2003 YM_{117}	17.0	X	134.80441	277.12818	95.45862	5.85862	0.2700813	0.31067001	2.1590855	20	2 11.8	20.0
218324 2003 YT_{130}	16.6	X	3.89442	103.01176	323.24006	5.57587	0.1263320	0.29669630	2.2263561	20	—	—
218325 2003 YN_{143}	16.7	X	54.52495	311.23332	48.84167	11.46712	0.1177329	0.29505196	2.2346202	20	—	—
218326 2003 YL_{144}	16.6	X	44.66801	25.33040	351.94617	6.55173	0.1867080	0.29643976	2.2276404	20	—	—
218327 2004 BF_{3}	16.8	X	328.94286	110.09998	310.23071	6.87409	0.1268815	0.28743846	2.2739075	20	12 31.4	18.8
218328 2004 BS_{7}	16.6	X	342.89110	339.22290	128.19097	13.52381	0.1442192	0.23614066	2.5923215	20	—	—
218329 2004 BJ_{10}	16.1	X	140.16635	219.85821	348.21136	6.32089	0.0776745	0.27499351	2.3420047	20	10 18.5	19.3
218330 2004 BL_{36}	16.6	X	52.93648	321.56126	320.17817	5.21483	0.1231279	0.27490701	2.3424959	20	10 18.4	19.6
218331 2004 BJ_{42}	16.3	X	218.29918	203.96007	284.10085	6.50313	0.0629736	0.27680372	2.3317829	20	10 5.1	19.5
218332 2004 BK_{49}	16.7	X	61.04171	232.51858	132.33489	5.72010	0.1570504	0.29482451	2.2357693	20	—	—
218333 2004 BX_{70}	16.6	X	324.92693	316.70140	118.24785	6.93733	0.1262096	0.28800445	2.2709274	20	—	—
218334 2004 BM_{73}	15.8	X	153.23041	231.07740	309.58942	8.34033	0.0945268	0.21370981	2.7706802	20	9 17.6	20.2
218335 2004 BW_{77}	16.6	X	7.52038	188.47030	83.94709	3.29769	0.1564126	0.26452545	2.4033909	20	7 26.5	18.6
218336 2004 BS_{84}	15.8	X	317.90964	346.33609	200.13202	13.03690	0.1596977	0.24128743	2.5553257	20	—	—
218337 2004 BX_{87}	16.4	X	16.99436	161.87719	242.23894	5.41818	0.1625444	0.29409995	2.2394399	20	—	—
218338 2004 BO_{99}	17.0	X	319.31557	345.41396	108.36966	4.71050	0.1430407	0.28658274	2.2784318	20	—	—
218339 2004 BF_{121}	17.2	X	350.44273	238.03644	157.76035	6.81305	0.0928566	0.28611786	2.2808991	20	12 26.6	19.8
218340 2004 BU_{129}	16.7	X	45.50282	40.66021	291.29097	7.78156	0.3103421	0.28767686	2.2726511	20	—	—
218341 2004 CQ_{3}	16.8	X	180.27699	219.77737	289.36344	5.61382	0.0743515	0.27456764	2.3444257	20	9 15.4	20.2
218342 2004 CA_{12}	17.1	X	332.14439	295.22824	149.29810	22.23939	0.2235109	0.29096456	2.2554991	20	—	—
218343 2004 DR_{8}	16.7	X	193.14189	315.32611	151.15776	8.40373	0.0342933	0.26687626	2.3892564	20	8 7.9	19.9
218344 2004 DE_{14}	15.9	X	211.98897	152.66931	97.17771	19.27374	0.2112514	0.22593111	2.6698408	20	—	—
218345 2004 EO_{10}	16.9	X	186.73514	311.66522	191.79200	1.42111	0.1100872	0.26987278	2.3715375	20	9 14.9	20.3
218346 2004 FN_{4}	16.7	X	7.59787	286.16525	340.75668	6.21408	0.1444177	0.25861816	2.4398514	20	7 16.6	19.0
218347 2004 FD_{8}	16.0	X	207.97407	2.21742	271.13020	13.35418	0.2265010	0.22687854	2.6624029	20	—	—
218348 2004 FY_{17}	16.2	X	210.06892	153.46031	113.06785	9.79242	0.2204543	0.22714982	2.6602827	20	—	—
218349 2004 FW_{50}	16.0	X	227.89797	232.25334	155.07016	7.75560	0.0995031	0.25493907	2.4632687	20	5 29.6	19.7
218350 2004 FK_{94}	16.3	X	305.40152	144.97930	183.51504	6.27001	0.1300671	0.25706713	2.4496555	20	6 16.6	19.1
218351 2004 FC_{107}	16.6	X	246.49335	290.17917	335.58863	3.61157	0.2317434	0.23262473	2.6183767	20	1 8.9	21.1
218352 2004 FB_{110}	16.2	X	249.17792	25.81248	215.95411	13.35005	0.1942622	0.22988862	2.6391115	20	—	—
218353 2004 FZ_{110}	16.5	X	237.79303	246.55559	16.62711	3.88753	0.2245532	0.23073884	2.6326245	20	—	—
218354 2004 FQ_{123}	15.7	X	273.56261	299.39070	267.60113	12.31273	0.2227841	0.23029769	2.6359854	20	—	—
218355 2004 FD_{134}	16.7	X	263.76739	250.41872	215.55259	9.42390	0.1581212	0.27801247	2.3250191	20	10 28.4	18.8
218356 2004 FP_{142}	15.8	X	167.97710	254.82535	26.32566	12.85070	0.1808923	0.22097282	2.7096309	20	—	—
218357 2004 GH	16.5	X	217.35983	94.34579	162.67242	7.53631	0.2356352	0.22603649	2.6690109	20	—	—
218358 2004 GB_{10}	16.4	X	238.26789	67.63094	210.67659	3.94424	0.2583127	0.23128838	2.6284527	20	1 14.9	21.0
218359 2004 GC_{15}	16.2	X	237.01375	259.71667	343.81122	13.57573	0.2378707	0.22723649	2.6596062	20	—	—
218360 2004 GS_{33}	16.6	X	249.21721	63.38480	209.87051	6.59975	0.1675026	0.23248467	2.6194282	20	1 21.2	21.0
218361 2004 GZ_{37}	14.8	X	298.40727	92.69942	224.38381	18.89622	0.3768152	0.18171674	3.0870198	20	4 10.8	19.5
218362 2004 GX_{77}	15.5	X	356.53055	33.60793	150.25787	18.03395	0.1168651	0.23713489	2.5850706	20	2 18.3	18.4
218363 2004 GW_{87}	15.7	X	223.16541	118.93247	134.08526	13.07411	0.1432284	0.22634622	2.6665755	20	—	—
218364 2004 HR_{38}	15.9	X	253.43581	174.36910	103.95986	16.33379	0.1032345	0.23653312	2.5894532	20	2 8.8	19.9
218365 2004 HB_{50}	15.6	X	214.06976	292.12019	38.50726	12.52759	0.3183957	0.23242430	2.6198818	20	3 3.6	20.6
218366 2004 HU_{62}	16.0	X	342.99235	148.36877	233.68541	4.79313	0.2860168	0.26634369	2.3924403	20	12 15.8	17.7
218367 2004 JE_{1}	16.2	X	211.27284	45.00948	233.95863	3.73817	0.2423079	0.22405971	2.6846862	20	—	—
218368 2004 JS_{1}	16.0	X	225.31514	318.94729	326.51562	11.00439	0.1819169	0.22954278	2.6417616	20	1 18.3	20.4
218369 2004 JS_{6}	15.6	X	158.09367	91.89226	226.25849	10.48990	0.1535327	0.22080980	2.7109645	20	—	—
218370 2004 JG_{11}	16.2	X	195.75388	129.88841	167.36603	14.66657	0.0855093	0.22662879	2.6643585	20	1 2.7	20.4
218371 2004 JN_{22}	16.6	X	215.65151	349.52756	327.36676	2.14501	0.1810992	0.23262836	2.6183495	20	2 14.1	20.8
218372 2004 JZ_{25}	15.5	X	152.43614	109.21491	241.11327	10.27464	0.2023051	0.22595287	2.6696693	20	1 29.3	20.0
218373 2004 JC_{29}	15.9	X	172.90403	248.28106	85.27275	5.56253	0.2830397	0.22543865	2.6737275	20	2 4.6	20.6
218374 2004 JT_{31}	16.0	X	159.95057	303.73113	7.27775	12.98715	0.3366814	0.22256802	2.6966684	20	1 4.6	21.0
218375 2004 JC_{34}	16.0	X	160.30485	64.29180	213.67214	11.13226	0.1946532	0.21594177	2.7515555	20	—	—
218376 2004 JA_{45}	16.0	X	241.11722	57.15720	194.13256	13.00487	0.0623224	0.22626495	2.6672140	20	—	—
218377 2004 KB_{15}	15.7	X	205.26416	198.12575	85.60274	15.33015	0.2331729	0.22574656	2.6712957	20	—	—
218378 2004 LS_{18}	16.7	X	133.14369	89.34175	207.04089	3.37470	0.1077290	0.21574272	2.7532477	20	—	—
218379 2004 LJ_{26}	15.6	X	199.59305	131.29235	191.95664	12.02292	0.1816379	0.22834797	2.6509688	20	2 5.7	20.2
218380 2004 NF_{11}	16.1	X	118.63534	44.60174	307.93494	11.32994	0.2859418	0.21199222	2.7856257	20	1 15.2	20.2
218381 2004 NT_{13}	15.7	X	40.63722	128.48261	236.02928	4.09489	0.1299060	0.20256499	2.8713962	20	—	—
218382 2004 NO_{16}	15.6	X	336.05951	185.61199	140.93275	11.91240	0.1383237	0.18360013	3.0658723	20	8 1.7	19.1
218383 2004 ND_{24}	14.7	X	303.20109	47.17919	301.98756	15.38869	0.0775047	0.17922979	3.1155108	20	7 16.7	18.8
218384 2004 OL_{8}	15.1	X	346.09732	256.45525	118.23449	14.98923	0.2000593	0.19249991	2.9706332	20	11 7.7	18.5
218385 2004 OQ_{8}	14.9	X	298.08034	216.48056	133.71048	14.04357	0.2108266	0.17802955	3.1294978	20	6 20.9	19.0
218386 2004 PC	15.9	X	117.07194	109.83537	167.10950	15.38232	0.2484569	0.20339893	2.8635423	20	12 15.6	21.2
218387 2004 PH_{13}	16.0	X	49.01942	40.70696	304.63053	1.40218	0.1349805	0.19809838	2.9143974	20	12 21.9	20.1
218388 2004 PD_{16}	15.4	X	295.34832	75.40877	315.84529	9.37516	0.1175787	0.18249849	3.0781979	20	8 22.4	19.3
218389 2004 PH_{21}	15.1	X	12.49680	131.91277	146.67581	11.26948	0.2273522	0.18242862	3.0789838	20	8 11.4	18.1
218390 2004 PH_{40}	15.2	X	300.35301	211.41073	154.22305	11.42376	0.2055258	0.17838495	3.1253398	20	7 13.9	19.2
218391 2004 PE_{46}	15.1	X	63.35042	49.31604	321.97431	18.09469	0.2586034	0.20467700	2.8516093	20	—	—
218392 2004 PB_{53}	15.1	X	316.48325	216.05289	128.73476	10.72552	0.1087237	0.18027047	3.1035088	20	7 26.4	19.0
218393 2004 PQ_{60}	15.6	X	16.03444	37.91873	317.57357	9.29375	0.1133193	0.19254796	2.9701390	20	11 14.1	19.6
218394 2004 PE_{64}	15.2	X	335.89009	346.60565	346.98172	17.98702	0.1461582	0.18007735	3.1057273	20	8 16.6	18.9
218395 2004 PB_{81}	15.9	X	83.62062	308.18998	0.08435	2.34265	0.1445093	0.19896535	2.9059251	20	12 15.6	20.4
218396 2004 PH_{95}	15.1	X	13.57697	339.72249	295.63613	6.96328	0.0829966	0.18055259	3.1002751	20	7 25.7	19.0
218397 2004 PT_{99}	15.2	X	354.57688	202.70936	138.30446	10.46241	0.0966700	0.18410477	3.0602672	20	9 26.4	19.1
218398 2004 QY	14.8	X	338.79555	68.68533	288.14310	8.70029	0.1127365	0.18272335	3.0756720	20	9 13.3	18.7
218399 2004 QF_{5}	15.0	X	24.51773	107.05075	124.74229	18.13242	0.2223947	0.17976206	3.1093577	20	6 30.5	18.4
218400 Marquardt	15.7	X	350.94306	355.33198	347.02864	11.77125	0.1366230	0.18300149	3.0725548	20	9 18.9	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218401 2004 QH_{7}	15.9	X	346.70848	22.34600	344.95706	10.35365	0.1215430	0.18569872	3.0427302	20	10 12.4	19.6
218402 2004 QU_{13}	17.2	X	57.12503	146.49041	278.90464	14.51713	0.1935790	0.39812553	1.8300208	20	—	—
218403 2004 QA_{18}	14.8	X	316.69004	117.69603	264.39416	14.90600	0.2151239	0.17911456	3.1168468	20	8 26.6	18.6
218404 2004 RC_{6}	15.0	X	293.08782	238.56694	127.80453	16.46444	0.0443865	0.17940461	3.1134865	20	7 28.4	19.3
218405 2004 RE_{11}	16.0	X	48.06569	245.93437	155.20930	2.37876	0.0548078	0.20635027	2.8361728	20	—	—
218406 2004 RO_{18}	16.2	X	30.70804	167.46055	168.95767	7.96513	0.1463443	0.19212831	2.9744623	20	11 20.2	20.2
218407 2004 RN_{46}	16.3	X	50.48254	4.71019	15.09689	1.96992	0.1164358	0.20115565	2.8847923	20	—	—
218408 2004 RO_{48}	15.6	X	297.53128	233.72613	158.51816	15.93399	0.0784818	0.18352755	3.0666806	20	9 2.8	19.5
218409 2004 RS_{59}	15.2	X	325.91980	68.73090	336.97052	7.96837	0.0874092	0.19058574	2.9904906	20	10 30.2	19.0
218410 2004 RJ_{67}	15.2	X	1.81299	261.08092	359.64569	9.33459	0.2559756	0.17660187	3.1463414	20	6 21.9	18.2
218411 2004 RZ_{72}	15.1	X	60.25671	301.80830	359.22305	9.96553	0.0871803	0.18977789	2.9989713	20	10 30.8	19.4
218412 2004 RO_{81}	16.0	X	348.97788	64.46271	336.86930	3.94871	0.0876029	0.19336324	2.9617844	20	12 2.2	19.7
218413 2004 RU_{87}	14.9	X	316.63475	105.76817	201.51165	7.87727	0.1471265	0.17386925	3.1792220	20	6 2.0	18.9
218414 2004 RD_{94}	15.5	X	40.87672	330.67270	312.17591	8.97944	0.0812198	0.18620520	3.0372101	20	9 11.2	19.6
218415 2004 RC_{97}	15.2	X	264.96377	148.46480	278.16084	7.82231	0.0772415	0.18277327	3.0751119	20	8 29.5	19.5
218416 2004 RE_{97}	15.1	X	281.88804	125.29856	264.20372	7.93228	0.1178416	0.17857297	3.1231457	20	7 30.3	19.3
218417 2004 RR_{106}	15.0	X	359.78128	342.15082	346.15264	8.11628	0.1738617	0.18188853	3.0850758	20	9 18.7	18.2
218418 2004 RZ_{113}	15.1	X	93.57437	69.48598	262.94439	14.03024	0.2947648	0.20199463	2.8767988	20	—	—
218419 2004 RD_{121}	16.9	X	67.52237	237.64254	130.74280	3.16809	0.0130781	0.20390065	2.8588430	20	—	—
218420 2004 RO_{137}	15.3	X	325.60601	140.39070	266.16478	12.15492	0.2436508	0.19091311	2.9870711	20	10 27.0	18.3
218421 2004 RF_{143}	15.3	X	345.53400	52.13532	303.69888	16.05818	0.1648396	0.18453098	3.0555532	20	9 20.3	19.0
218422 2004 RW_{148}	15.8	X	131.20754	357.17955	296.94962	1.05698	0.0382830	0.20163620	2.8802071	20	—	—
218423 2004 RZ_{153}	15.0	X	285.13258	146.36360	236.61986	8.80510	0.0325444	0.17946658	3.1127697	20	8 6.4	19.5
218424 2004 RM_{157}	15.2	X	262.35396	129.91421	296.68487	9.52542	0.0631043	0.18260084	3.0770475	20	8 28.3	19.7
218425 2004 RV_{159}	15.1	X	358.25714	169.99583	233.49294	10.86511	0.1431782	0.19326168	2.9628219	20	12 24.6	18.8
218426 2004 RN_{164}	15.6	X	261.39772	246.18003	161.36265	14.11368	0.2857468	0.17212426	3.2006731	20	7 5.8	20.8
218427 2004 RU_{170}	15.6	X	346.67282	354.83198	358.52459	7.63499	0.1937499	0.18350025	3.0669847	20	9 29.2	18.6
218428 2004 RB_{175}	15.4	X	127.01807	49.25878	222.88879	9.70088	0.0678141	0.19919811	2.9036610	20	12 11.6	19.8
218429 2004 RG_{175}	15.3	X	291.35777	241.84473	207.50174	10.92125	0.0677410	0.19345485	2.9608493	20	11 10.2	19.1
218430 2004 RJ_{178}	15.4	X	341.74328	95.84942	242.04704	9.30804	0.0440552	0.18202761	3.0835042	20	8 24.4	19.7
218431 2004 RY_{178}	15.0	X	333.66613	89.72830	253.20621	8.62811	0.0903562	0.18131480	3.0915805	20	8 18.1	19.1
218432 2004 RK_{179}	15.5	X	306.20315	126.11978	318.07315	9.75439	0.1127084	0.19288212	2.9667076	20	11 18.1	19.2
218433 2004 RM_{181}	15.1	X	15.24597	334.25731	328.94002	8.31719	0.0702712	0.18246587	3.0785647	20	9 1.7	19.0
218434 2004 RP_{182}	14.9	X	219.56152	260.61194	197.02860	11.44865	0.0831890	0.17921917	3.1156339	20	8 13.4	19.7
218435 2004 RM_{183}	14.9	X	343.64042	304.21110	352.87927	19.54495	0.2050315	0.17750818	3.1356227	20	7 7.3	18.6
218436 2004 RG_{184}	15.2	X	302.45562	229.51727	199.81883	14.82280	0.0527541	0.19145571	2.9814246	20	11 1.6	19.1
218437 2004 RD_{191}	15.2	X	8.82920	107.21317	208.19627	10.02980	0.0863326	0.18248715	3.0783253	20	9 7.5	19.3
218438 2004 RE_{191}	15.0	X	348.13141	30.54327	324.99225	10.11223	0.1732070	0.18382707	3.0633485	20	9 30.2	18.4
218439 2004 RM_{191}	14.7	X	315.52117	332.81038	334.20602	9.24594	0.0558934	0.17095049	3.2153072	20	6 9.8	19.2
218440 2004 RK_{192}	15.0	X	351.69709	38.86113	277.38923	9.25650	0.1757829	0.17909036	3.1171276	20	8 13.5	18.5
218441 2004 RW_{196}	15.5	X	343.10447	126.48017	242.77767	9.22676	0.1583429	0.18514143	3.0488330	20	10 10.9	19.0
218442 2004 RN_{197}	15.0	X	28.00035	21.25051	278.03507	9.09780	0.0756012	0.18110073	3.0940162	20	9 11.3	19.3
218443 2004 RD_{200}	16.9	X	123.04872	108.20166	290.69362	2.87410	0.2335115	0.27483548	2.3429023	20	3 1.1	20.3
218444 2004 RT_{200}	14.9	X	338.65989	39.24744	335.46550	11.73039	0.1797543	0.18311100	3.0713296	20	10 7.3	18.4
218445 2004 RS_{212}	14.8	X	215.96980	163.33747	298.58599	16.72121	0.1816552	0.17709823	3.1404598	20	8 6.6	20.0
218446 2004 RH_{215}	14.9	X	325.76253	50.42672	309.15619	14.48333	0.2384780	0.18120043	3.0928812	20	8 17.4	18.1
218447 2004 RZ_{216}	14.9	X	353.87187	347.93422	323.97687	13.06499	0.1094738	0.17842165	3.1249112	20	8 13.9	18.6
218448 2004 RN_{217}	15.1	X	353.92310	49.01623	306.38901	11.47413	0.1844027	0.18497482	3.0506635	20	10 10.5	18.7
218449 2004 RZ_{218}	15.0	X	39.18275	307.73638	352.89654	21.57329	0.2640808	0.18611098	3.0382351	20	10 22.5	19.4
218450 2004 RW_{220}	14.7	X	1.98207	23.58367	293.31471	16.24224	0.1941463	0.17880425	3.1204519	20	8 31.4	18.4
218451 2004 RZ_{220}	16.7	X	304.79259	154.87608	244.27112	19.47145	0.0509916	0.36868391	1.9261936	20	11 2.4	18.4
218452 2004 RH_{221}	14.7	X	271.76751	81.35167	339.83851	21.50821	0.2043801	0.17428580	3.1741543	20	8 19.5	19.1
218453 2004 RT_{227}	15.2	X	51.08459	63.96202	212.95631	12.06968	0.2064507	0.18354896	3.0664420	20	10 7.5	19.5
218454 2004 RZ_{228}	15.6	X	279.69689	168.34146	258.08385	2.21732	0.0482843	0.18223279	3.0811892	20	9 24.4	19.8
218455 2004 RX_{230}	15.5	X	276.64719	218.87614	195.85091	8.80892	0.0900922	0.17920858	3.1157566	20	8 28.9	19.9
218456 2004 RH_{246}	15.1	X	38.46472	46.68360	205.89123	9.09979	0.0420626	0.17405014	3.1770189	20	7 25.1	19.6
218457 2004 RQ_{250}	14.9	X	317.34918	145.44060	252.36243	16.93346	0.2733897	0.17941263	3.1133936	20	9 11.5	18.4
218458 2004 RK_{251}	15.6	X	22.26389	93.69443	202.24085	7.00670	0.2383188	0.18367294	3.0650620	20	9 25.0	19.1
218459 2004 RZ_{272}	16.3	X	310.97635	346.65599	139.15322	2.83017	0.0160482	0.20287673	2.8684540	20	—	—
218460 2004 RV_{289}	15.6	X	10.95414	168.39708	190.84533	10.16188	0.1067225	0.18835497	3.0140561	20	11 14.3	19.5
218461 2004 RC_{310}	16.7	X	230.85195	299.61013	211.81741	21.98533	0.0378658	0.37526639	1.9036025	20	12 26.7	19.1
218462 2004 RO_{310}	14.8	X	332.76881	348.80711	4.93970	10.55607	0.0698992	0.18077120	3.0977751	20	9 7.5	18.8
218463 2004 RS_{310}	15.9	X	347.21292	25.61073	7.62224	3.87754	0.1809831	0.18878508	3.0094764	20	11 24.6	19.2
218464 2004 RF_{319}	15.6	X	69.29552	27.47390	255.66238	9.80636	0.1158858	0.19238397	2.9718266	20	10 24.7	20.0
218465 2004 RO_{323}	15.2	X	332.19179	145.97674	210.61274	16.51179	0.0630988	0.18081808	3.0972397	20	9 3.2	19.5
218466 2004 RX_{325}	15.0	X	339.60532	12.48856	347.10202	10.92119	0.1545202	0.18025589	3.1036762	20	9 21.2	18.4
218467 2004 RL_{328}	15.6	X	284.19616	128.51811	283.61689	4.68621	0.1444990	0.18013751	3.1050358	20	8 28.5	19.8
218468 2004 RR_{329}	15.3	X	268.07402	142.60652	282.86015	2.39246	0.1094633	0.17920969	3.1157436	20	8 29.7	19.5
218469 2004 RP_{333}	15.9	X	327.53532	248.09012	136.19894	11.66168	0.1470206	0.18591934	3.0403226	20	10 10.3	19.5
218470 2004 RK_{342}	16.0	X	52.77604	89.64764	195.35087	8.62903	0.2245498	0.18923457	3.0047088	20	10 25.3	20.2
218471 2004 SG_{17}	15.2	X	328.32350	277.26832	124.47239	11.76532	0.1399879	0.18834165	3.0141982	20	11 5.4	18.9
218472 2004 SC_{30}	15.3	X	308.88798	51.15125	351.24163	5.83907	0.1076622	0.18451498	3.0557298	20	9 29.1	18.9
218473 2004 SJ_{34}	16.2	X	354.60698	43.28923	213.96620	8.15920	0.0317317	0.23478768	2.6022709	20	6 3.0	19.4
218474 2004 SZ_{42}	15.1	X	276.08113	224.38980	228.96083	10.41475	0.1341490	0.18973999	2.9993706	20	10 12.2	19.1
218475 2004 SK_{44}	15.5	X	341.63764	91.89786	262.04587	4.29294	0.1367734	0.18367062	3.0650878	20	9 17.0	19.2
218476 2004 SS_{45}	15.1	X	301.77805	166.63830	225.35245	15.03762	0.1863181	0.17931331	3.1145433	20	8 18.5	19.3
218477 2004 SP_{47}	15.2	X	342.47986	65.31338	289.59340	9.75596	0.0948705	0.18097646	3.0954324	20	9 15.8	19.3
218478 2004 ST_{49}	16.7	X	20.79063	100.31657	284.27134	19.39108	0.0953661	0.37998122	1.8878231	20	—	—
218479 2004 SE_{53}	15.2	X	27.44366	68.84523	277.16720	9.37177	0.1132674	0.19121863	2.9838885	20	11 19.7	19.2
218480 2004 SC_{58}	15.3	X	239.56920	242.36283	191.46103	11.92487	0.2384214	0.17177885	3.2049623	20	7 20.4	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218481 2004 SJ_{58}	15.8	X	282.61787	39.39638	12.39101	0.79466	0.1950484	0.17868338	3.1218589	20	8 20.1	19.7
218482 2004 TY_{7}	15.6	X	359.07094	128.72252	185.13532	17.74818	0.1788344	0.18065968	3.0990498	20	8 26.2	19.2
218483 2004 TY_{11}	16.0	X	33.74911	239.22408	82.58127	2.46093	0.2260372	0.18873216	3.0100389	20	11 15.7	20.0
218484 2004 TG_{12}	15.5	X	274.21699	263.48006	174.73960	11.67454	0.1021542	0.18264483	3.0765534	20	9 26.5	19.7
218485 2004 TN_{13}	17.1	X	163.45915	7.87372	207.01275	20.37512	0.0400676	0.37680363	1.8984216	20	12 21.8	19.6
218486 2004 TH_{17}	14.8	X	339.27997	109.35877	242.68465	11.83255	0.0090257	0.17800182	3.1298228	20	9 6.8	19.5
218487 2004 TX_{25}	15.9	X	211.29119	303.53490	226.43525	2.88126	0.1471800	0.18968180	2.9999840	20	10 29.9	20.4
218488 2004 TK_{39}	14.8	X	333.83550	30.01058	332.28456	14.81800	0.0766632	0.18054893	3.1003170	20	9 13.6	18.8
218489 2004 TK_{45}	15.1	X	316.62770	323.93059	20.64900	9.42548	0.0955044	0.17427561	3.1742781	20	7 30.9	19.3
218490 2004 TW_{48}	15.1	X	144.26666	336.81599	199.47980	9.79964	0.0214132	0.17676000	3.1444647	20	8 28.1	19.8
218491 2004 TP_{50}	15.3	X	309.78253	27.64035	349.19460	4.42828	0.0388101	0.17647212	3.1478835	20	9 3.6	19.5
218492 2004 TG_{54}	16.1	X	316.74005	193.16880	164.86077	1.24447	0.1862620	0.17593651	3.1542691	20	8 4.5	19.7
218493 2004 TZ_{55}	15.4	X	290.10818	264.85175	185.37539	3.33825	0.1987409	0.18413794	3.0598998	20	10 21.8	18.9
218494 2004 TJ_{56}	16.4	X	341.85231	135.39916	222.68386	4.15517	0.1458998	0.18348517	3.0671528	20	9 24.2	19.9
218495 2004 TZ_{59}	15.6	X	37.52400	218.70988	127.55405	2.44491	0.0851772	0.19124576	2.9836062	20	11 30.9	19.6
218496 2004 TT_{61}	15.3	X	354.07185	120.29120	179.10217	11.20092	0.1161657	0.17753751	3.1352774	20	7 25.5	19.3
218497 2004 TD_{66}	15.5	X	349.89383	201.47703	158.66696	8.22789	0.1916476	0.18439041	3.0571060	20	10 18.9	18.8
218498 2004 TB_{75}	15.9	X	351.83650	161.35591	189.01883	0.98042	0.1907771	0.18181971	3.0858543	20	10 5.9	19.2
218499 2004 TO_{75}	15.8	X	328.17021	222.78246	199.07444	6.45818	0.2353899	0.18728322	3.0255440	20	11 28.0	18.6
218500 2004 TT_{77}	15.0	X	324.86024	238.66097	103.92442	24.66856	0.1844242	0.17648363	3.1477467	20	7 30.9	18.7
218501 2004 TX_{83}	15.7	X	25.54968	13.60490	271.25390	1.24116	0.0215041	0.17808515	3.1288464	20	8 18.6	20.1
218502 2004 TQ_{84}	16.1	X	298.01392	99.59079	327.78446	1.15802	0.0523819	0.18682693	3.0304682	20	10 21.4	20.0
218503 2004 TG_{85}	15.9	X	18.79251	82.72794	203.61832	4.24970	0.1511100	0.17957907	3.1114697	20	8 23.5	19.6
218504 2004 TW_{98}	16.1	X	340.82938	340.49982	59.89858	3.21434	0.1011277	0.18834851	3.0141250	20	11 18.8	19.6
218505 2004 TD_{99}	15.0	X	215.44892	146.26477	315.04485	14.60289	0.1237980	0.17495023	3.1661127	20	8 11.9	19.8
218506 2004 TZ_{103}	15.2	X	127.38811	45.52260	177.42656	9.66345	0.0363220	0.18647757	3.0342520	20	10 11.3	19.5
218507 2004 TO_{104}	15.1	X	302.37044	356.57815	36.56071	16.75620	0.1539595	0.18065366	3.0991186	20	9 10.8	19.2
218508 2004 TL_{106}	15.4	X	358.98731	169.04232	173.37243	11.31191	0.0211338	0.18396898	3.0617730	20	9 28.1	19.5
218509 2004 TU_{106}	15.5	X	46.69000	102.29059	195.02263	1.53481	0.1595633	0.18662702	3.0326319	20	10 22.6	19.6
218510 2004 TY_{108}	15.5	X	345.85260	283.07185	129.25558	8.40019	0.2019059	0.19132527	2.9827796	20	12 21.9	18.7
218511 2004 TS_{109}	15.5	X	299.44622	341.51467	66.57257	7.18879	0.1196773	0.18145807	3.0899529	20	9 24.9	19.4
218512 2004 TL_{112}	15.0	X	220.76286	191.96996	295.56255	14.87074	0.0207975	0.18121498	3.0927156	20	9 23.1	19.7
218513 2004 TT_{123}	16.0	X	348.56028	177.86529	161.17473	9.95001	0.1851977	0.18163166	3.0879838	20	9 13.7	19.2
218514 2004 TP_{131}	15.1	X	352.46255	268.66149	70.67877	10.53785	0.1979584	0.18021301	3.1041685	20	9 28.3	18.6
218515 2004 TG_{136}	15.1	X	58.76405	320.34959	296.32088	8.07533	0.0386395	0.17800347	3.1298035	20	8 26.1	19.6
218516 2004 TN_{168}	15.4	X	319.56654	162.43112	144.78017	5.61571	0.1625932	0.17181837	3.2044707	20	6 4.9	19.3
218517 2004 TT_{195}	15.5	X	235.84033	155.83866	317.68967	1.65420	0.1619440	0.17992322	3.1075008	20	9 13.9	20.2
218518 2004 TT_{209}	15.8	X	288.51944	316.20466	163.06067	2.03718	0.2352597	0.19096718	2.9865072	20	11 22.9	19.1
218519 2004 TT_{237}	15.6	X	343.17417	296.42088	30.17034	3.69738	0.1887147	0.17827349	3.1266423	20	8 15.8	18.9
218520 2004 TF_{243}	15.1	X	339.37494	221.55166	114.86036	18.57323	0.2257929	0.17938911	3.1136658	20	8 22.5	18.3
218521 2004 TA_{255}	15.9	X	49.20737	128.28930	180.39199	8.49422	0.0600480	0.18704976	3.0280609	20	10 27.2	20.1
218522 2004 TN_{265}	15.6	X	106.67217	184.14273	29.40910	2.78019	0.0764187	0.17599982	3.1535125	20	9 8.0	20.1
218523 2004 TH_{274}	15.1	X	3.13445	85.37362	227.37052	16.16325	0.2687127	0.17899496	3.1182351	20	9 6.8	18.5
218524 2004 TT_{274}	15.4	X	267.08011	184.16045	231.15458	4.39982	0.1603012	0.17410759	3.1763200	20	8 6.8	20.0
218525 2004 TE_{301}	15.0	X	307.09034	82.67109	286.15963	9.40586	0.0599087	0.17583736	3.1554547	20	8 14.9	19.3
218526 2004 TM_{306}	15.0	X	46.28517	304.52047	331.61297	8.89230	0.0367958	0.18034749	3.1026252	20	9 5.3	19.3
218527 2004 TO_{307}	14.9	X	55.09478	303.93654	334.92066	8.43981	0.0385742	0.18136999	3.0909532	20	9 19.6	19.1
218528 2004 TS_{339}	16.3	X	39.95726	123.85879	195.02952	1.98820	0.1021027	0.18630372	3.0361394	20	11 1.5	20.3
218529 2004 TN_{351}	15.8	X	307.95600	236.78353	163.23453	3.42710	0.1438909	0.17981500	3.1087474	20	9 21.4	19.4
218530 2004 TQ_{355}	15.1	X	285.06442	280.24921	162.06058	16.52174	0.2021764	0.18377669	3.0639083	20	10 5.0	19.0
218531 2004 TA_{358}	14.6	X	255.77261	208.28102	223.52932	27.67668	0.2035043	0.17212025	3.2007229	20	7 31.0	19.9
218532 2004 TM_{358}	15.1	X	345.23809	3.89798	346.96200	8.86184	0.0870101	0.18193125	3.0845929	20	9 19.4	18.8
218533 2004 UZ_{6}	15.4	X	282.25202	111.87033	349.67853	7.98564	0.0551820	0.18849708	3.0125410	20	11 9.5	19.5
218534 2004 VW_{4}	16.1	X	304.08073	107.70425	258.10437	8.99739	0.2463549	0.17473009	3.1687714	20	7 12.9	19.9
218535 2004 VF_{12}	15.3	X	305.95827	318.23932	101.84975	5.04677	0.1669911	0.18268697	3.0760803	20	10 15.1	18.9
218536 2004 VB_{16}	15.4	X	296.78065	247.91321	153.51846	10.94105	0.1901097	0.17793102	3.1306530	20	8 28.7	19.3
218537 2004 VO_{18}	14.4	X	310.94046	232.82856	44.01072	14.08095	0.0685012	0.15963782	3.3654684	20	4 26.6	18.9
218538 2004 VV_{26}	14.3	X	230.92941	77.27916	18.71810	8.07836	0.1813400	0.17356557	3.1829293	20	8 19.5	19.3
218539 2004 VP_{57}	14.9	X	254.62822	76.10813	332.67317	4.75789	0.0984155	0.16902150	3.2397245	20	7 25.1	19.5
218540 2004 VW_{60}	15.5	X	284.92813	251.68459	155.45858	22.61677	0.2352675	0.17661427	3.1461941	20	8 9.4	19.7
218541 2004 VW_{74}	16.4	X	343.51999	277.43262	68.98991	24.60747	0.1071143	0.36588564	1.9360020	20	11 5.8	18.2
218542 2004 WQ_{8}	16.6	X	13.39678	116.52654	249.67302	21.84763	0.1024506	0.37409805	1.9075639	20	—	—
218543 2004 XF	16.6	X	5.35558	89.59714	295.00710	22.70658	0.0353398	0.37777741	1.8951579	20	—	—
218544 2004 XS_{5}	14.7	X	302.79292	2.08775	76.24207	19.41196	0.2929777	0.18260426	3.0770091	20	10 24.7	18.1
218545 2004 XG_{8}	14.8	X	47.48184	359.67645	26.10394	7.70792	0.1782272	0.19215621	2.9741744	20	—	—
218546 2004 XW_{44}	16.5	X	33.71896	270.22711	85.33109	24.43833	0.0997331	0.37611347	1.9007433	20	—	—
218547 2004 XO_{102}	16.6	X	338.56650	93.69311	289.00518	17.24219	0.1063099	0.36611470	1.9351944	20	12 17.6	18.1
218548 2004 YV_{5}	15.1	X	284.71249	279.34867	159.09432	25.37023	0.2959910	0.17788191	3.1312292	20	9 11.5	19.0
218549 2005 AZ_{32}	16.3	X	174.49629	201.17673	291.62848	17.78128	0.0531283	0.35703869	1.9678525	20	8 21.4	18.8
218550 2005 BQ_{26}	16.6	X	161.56283	165.04811	315.05698	16.71959	0.0728608	0.34973773	1.9951447	20	7 25.1	18.9
218551 2005 CA_{40}	17.3	X	156.59073	139.02051	135.37623	4.78053	0.2087860	0.30667411	2.1777999	20	—	—
218552 2005 EM_{28}	16.1	X	60.38500	93.63587	153.37106	10.23947	0.1218931	0.28029036	2.3124052	20	9 14.9	18.9
218553 2005 EK_{41}	15.1	X	240.64116	107.54852	71.70130	12.66024	0.1495664	0.17452346	3.1712721	20	12 7.9	19.5
218554 2005 EV_{84}	15.7	X	128.77047	199.00357	17.53967	27.55056	0.1972542	0.28685730	2.2769777	20	10 18.9	19.4
218555 2005 EW_{133}	17.2	X	143.09745	67.08321	150.83150	6.48058	0.1263969	0.29280140	2.2460562	20	11 10.5	20.5
218556 2005 EE_{147}	17.0	X	69.40903	337.32470	3.96126	5.61958	0.1757605	0.29603351	2.2296779	20	—	—
218557 2005 ET_{150}	17.2	X	84.55794	278.72527	36.26571	6.35481	0.1258416	0.29483661	2.2357081	20	—	—
218558 2005 EM_{198}	16.8	X	148.57341	277.98069	358.20072	6.95444	0.0996831	0.29942098	2.2128292	20	—	—
218559 2005 EW_{220}	17.7	X	108.29257	109.16088	196.93226	6.10966	0.1462348	0.29751840	2.2222530	20	—	—
218560 2005 EN_{227}	17.7	X	144.37390	157.89485	172.25691	3.35665	0.0963800	0.31118941	2.1566823	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218561 2005 EZ_{239}	17.6	X	109.19720	120.49012	156.67820	4.66120	0.1648497	0.29344216	2.2427853	20	12 21.0	21.1
218562 2005 EC_{266}	17.2	X	52.03926	41.21653	205.85287	2.87395	0.1584929	0.27645940	2.3337185	20	9 6.1	20.0
218563 2005 GV_{29}	17.0	X	175.94956	48.65103	171.04388	3.71145	0.1360305	0.29574878	2.2311087	20	12 14.7	20.2
218564 2005 GP_{69}	16.9	X	103.00272	69.69059	206.51167	4.57424	0.1479771	0.28968268	2.2621481	20	12 12.9	20.3
218565 2005 GO_{113}	17.5	X	136.60290	314.49331	322.61903	2.53117	0.2172043	0.29908622	2.2144801	20	—	—
218566 2005 GR_{113}	16.8	X	115.69462	236.49113	67.81771	3.70120	0.1884738	0.29637442	2.2279678	20	—	—
218567 2005 GV_{113}	16.5	X	58.34813	79.34764	161.41998	11.24900	0.2101741	0.27397021	2.3478327	20	9 15.6	19.5
218568 2005 GQ_{123}	17.2	X	37.76742	211.08419	63.00406	10.89570	0.2257821	0.27621656	2.3350861	20	10 11.9	20.1
218569 2005 GR_{180}	17.5	X	55.58736	101.71391	177.54847	4.80807	0.2340728	0.28026233	2.3125594	20	11 7.3	20.7
218570 2005 GO_{204}	17.8	X	353.98354	263.76631	31.27447	1.63399	0.2205394	0.27050502	2.3678408	20	8 8.1	19.2
218571 2005 JN_{34}	15.9	X	158.44928	167.35289	200.01729	11.50766	0.3064581	0.24274546	2.5450831	20	2 29.4	20.6
218572 2005 JX_{36}	15.8	X	63.91237	183.10364	77.94664	25.63979	0.2217577	0.27629604	2.3346383	20	11 1.5	19.7
218573 2005 JW_{46}	17.2	X	357.32927	274.91384	52.43719	7.92104	0.2738273	0.27424025	2.3462912	20	10 24.7	18.8
218574 2005 JX_{48}	15.4	X	211.61140	146.32854	105.85797	6.66515	0.1157427	0.17260763	3.1946949	20	—	—
218575 2005 JY_{51}	16.8	X	74.41863	131.20964	209.63542	7.12578	0.0311261	0.29579792	2.2308617	20	—	—
218576 2005 JN_{58}	16.6	X	281.01568	126.45728	171.25390	10.67044	0.2594059	0.25420337	2.4680191	20	3 11.9	20.4
218577 2005 JH_{82}	17.5	X	59.27185	126.04517	183.94231	1.90831	0.2282512	0.28718176	2.2752623	20	12 19.2	20.8
218578 2005 JT_{86}	16.9	X	42.97512	300.52090	321.80421	2.68872	0.2056219	0.27353873	2.3503011	20	9 22.3	19.6
218579 2005 JJ_{112}	16.7	X	307.18375	218.14059	91.03878	12.41824	0.2537871	0.26119061	2.4238050	20	5 4.9	19.6
218580 2005 JD_{121}	17.3	X	77.99788	168.10705	111.80561	4.07294	0.1736405	0.28215325	2.3022157	20	11 24.5	20.7
218581 2005 JA_{127}	16.5	X	7.80793	84.43380	182.92758	10.62682	0.2321879	0.26642525	2.3919520	20	7 24.3	18.4
218582 2005 JR_{181}	17.4	X	170.03054	228.84790	12.58236	6.00011	0.1659866	0.29547190	2.2325023	20	—	—
218583 2005 KD	17.0	X	11.04436	6.72533	280.65943	4.71587	0.2276990	0.27016386	2.3698337	20	9 5.2	19.0
218584 2005 KB_{5}	17.2	X	220.22044	290.39161	210.40173	3.56224	0.0827335	0.28653009	2.2787109	20	10 28.1	19.7
218585 2005 KE_{10}	16.8	X	338.09555	229.28519	67.93594	5.17632	0.1972394	0.26506449	2.4001314	20	6 25.9	18.5
218586 2005 KM_{10}	17.3	X	3.56544	39.48411	243.44185	0.80110	0.1761456	0.26771710	2.3842510	20	8 5.5	19.2
218587 2005 LV_{26}	17.0	X	310.18539	29.58411	266.96216	3.34522	0.2046725	0.25611578	2.4557180	20	4 23.7	19.7
218588 2005 LF_{30}	17.1	X	287.25358	240.05334	129.14485	1.89944	0.2061218	0.26132972	2.4229447	20	7 3.7	19.7
218589 2005 LO_{30}	17.0	X	0.39070	175.34441	101.26629	3.52363	0.1463048	0.26269014	2.4145722	20	7 15.9	19.0
218590 2005 LJ_{40}	16.8	X	303.01097	141.52432	179.55590	1.93293	0.1814669	0.25793499	2.4441576	20	5 23.8	19.4
218591 2005 LL_{42}	16.7	X	358.28780	222.25377	98.94846	3.30674	0.2155134	0.27120842	2.3637449	20	10 5.6	18.5
218592 2005 MF_{37}	16.8	X	281.73283	83.36976	290.24231	6.42880	0.1531471	0.26013222	2.4303750	20	7 10.9	19.4
218593 2005 MG_{39}	16.4	X	253.97615	262.11642	110.05014	3.78995	0.2843562	0.25339146	2.4732883	20	5 17.8	20.4
218594 2005 MH_{40}	16.7	X	260.55480	152.54966	222.19462	3.90304	0.1244226	0.25756894	2.4464728	20	6 16.8	19.9
218595 2005 MR_{40}	17.0	X	296.93733	51.76324	257.51463	6.10130	0.1211916	0.25486023	2.4637767	20	5 5.7	20.0
218596 2005 MY_{50}	15.8	X	220.48631	43.79601	245.10512	6.70202	0.1869573	0.23575866	2.5951210	20	1 14.5	20.1
218597 2005 MY_{52}	16.6	X	6.99587	144.85020	193.53781	5.90757	0.3059789	0.27014914	2.3699199	20	12 2.9	19.0
218598 2005 NQ_{2}	17.1	X	315.51853	193.95330	145.11564	2.94890	0.2234886	0.26133741	2.4228972	20	7 7.7	19.2
218599 2005 NG_{10}	17.2	X	337.29046	109.93803	159.70099	1.25189	0.1593667	0.25750207	2.4468963	20	5 13.1	19.2
218600 2005 NS_{53}	17.0	X	305.06176	129.63952	189.62665	1.63551	0.1760514	0.25761283	2.4461949	20	5 25.4	19.6
218601 2005 NR_{55}	16.2	X	203.42541	75.30082	198.39930	16.69331	0.2090907	0.23169224	2.6253975	20	—	—
218602 2005 NE_{69}	16.9	X	17.33711	14.83433	253.19261	1.13178	0.1235045	0.26371883	2.4082891	20	8 3.3	19.2
218603 2005 NN_{72}	16.6	X	339.60210	217.43133	72.32179	7.93341	0.2117310	0.26031227	2.4292541	20	6 14.7	18.2
218604 2005 NB_{80}	16.1	X	321.92869	338.24550	8.84932	6.95926	0.1845656	0.26445801	2.4037994	20	8 15.8	18.1
218605 2005 ND_{91}	16.8	X	27.08963	54.59046	168.97785	7.78719	0.1004683	0.25815150	2.4427909	20	6 11.3	19.5
218606 2005 NW_{99}	16.4	X	293.73652	298.01134	54.33943	3.09033	0.2124699	0.25808965	2.4431811	20	6 17.9	19.2
218607 2005 NG_{124}	17.0	X	294.09809	21.80396	334.00957	2.07369	0.1407897	0.25934833	2.4352698	20	7 6.9	19.7
218608 2005 OD_{1}	16.0	X	191.22821	299.30584	82.68324	12.81915	0.2345880	0.24269790	2.5454156	20	4 17.2	20.6
218609 2005 OZ_{3}	15.9	X	256.94064	272.98092	115.79909	12.00333	0.3609474	0.25358238	2.4720467	20	6 4.1	20.1
218610 2005 OK_{15}	16.5	X	284.55485	98.47639	217.79018	5.51616	0.1389001	0.25368293	2.4713934	20	4 26.0	19.6
218611 2005 PL	15.1	X	232.12487	329.97538	343.11705	29.02329	0.1610607	0.23690522	2.5867411	20	2 27.1	19.2
218612 2005 PY_{3}	15.6	X	329.01198	4.58618	3.46470	15.73180	0.2315812	0.26390070	2.4071825	20	10 3.3	17.0
218613 2005 PE_{9}	16.9	X	270.97759	183.64111	93.27898	6.05390	0.1226096	0.24290818	2.5439464	20	2 23.4	20.5
218614 2005 PO_{12}	15.3	X	290.13776	248.56519	342.79466	15.30524	0.1668720	0.17225921	3.1990012	20	1 25.4	20.1
218615 2005 QT_{7}	15.9	X	122.92879	183.91036	143.54426	4.98228	0.0566823	0.22001730	2.7174705	20	—	—
218616 2005 QM_{42}	16.7	X	322.55648	169.17227	142.56071	2.95028	0.1948092	0.25763449	2.4460578	20	6 13.3	18.8
218617 2005 QY_{42}	15.8	X	104.25366	234.52822	155.97236	14.35842	0.1235053	0.22591064	2.6700021	20	1 18.8	19.5
218618 2005 QF_{50}	15.9	X	149.77466	180.81436	122.63072	6.09132	0.1026728	0.22069926	2.7118696	20	—	—
218619 2005 QG_{85}	15.6	X	180.27665	330.67950	359.84686	12.17787	0.1568759	0.22815477	2.6524651	20	2 3.9	20.0
218620 2005 QK_{88}	16.1	X	282.43317	345.53551	7.68156	9.18367	0.2857507	0.25636232	2.4541433	20	5 18.8	19.6
218621 2005 QW_{91}	16.9	X	249.44601	124.55603	225.73216	3.77377	0.1679142	0.24794326	2.5093882	20	4 25.8	20.6
218622 2005 QU_{107}	17.7	X	217.84290	151.31839	176.67650	4.96001	0.2554034	0.23917998	2.5703139	20	2 26.2	22.2
218623 2005 QY_{108}	16.6	X	275.95931	80.72095	175.25393	14.95360	0.1203787	0.23742919	2.5829340	20	1 29.9	20.6
218624 2005 QQ_{138}	16.8	X	299.56982	104.97757	154.31728	6.67852	0.1891113	0.24280865	2.5446415	20	2 22.9	20.0
218625 2005 QE_{153}	16.2	X	193.21357	353.15482	353.25403	4.84694	0.2225236	0.23374019	2.6100397	20	3 2.2	20.5
218626 2005 QM_{172}	16.6	X	180.92848	116.15483	240.54663	2.38141	0.0817785	0.23385343	2.6091971	20	2 27.2	20.5
218627 2005 QP_{179}	15.5	X	9.83299	177.83984	302.40486	20.96561	0.0615962	0.22378372	2.6868931	20	—	—
218628 2005 QD_{182}	16.5	X	172.57874	238.33707	159.75679	13.23942	0.1825137	0.23732172	2.5837137	20	4 18.5	20.9
218629 2005 RN_{4}	16.1	X	100.48104	45.90707	351.85813	4.21426	0.1020699	0.22223823	2.6993355	20	1 22.7	19.5
218630 2005 RP_{19}	16.8	X	211.74033	153.76740	156.41942	4.59632	0.2234282	0.23490114	2.6014329	20	2 1.8	21.2
218631 2005 RG_{24}	15.4	X	138.24234	12.97553	7.75795	14.36537	0.2611458	0.22629485	2.6669791	20	3 5.3	19.8
218632 2005 RM_{24}	15.4	X	101.79456	14.10367	357.42144	12.92421	0.1977354	0.21908072	2.7252098	20	1 7.3	19.2
218633 2005 RX_{29}	17.1	X	177.79497	15.47571	336.80585	3.69468	0.1578025	0.23304444	2.6152320	20	2 23.3	21.1
218634 2005 RP_{31}	15.4	X	130.87302	51.87957	293.81347	12.20451	0.2303701	0.22272282	2.6954187	20	1 10.5	19.5
218635 2005 RT_{31}	16.0	X	202.28366	38.18830	261.86525	10.82239	0.1785327	0.22939796	2.6428733	20	1 12.9	20.4
218636 Calabria	16.4	X	155.59859	67.80810	232.72022	7.41756	0.1311065	0.21964748	2.7205198	20	—	—
218637 2005 SP_{15}	16.8	X	205.62821	52.36119	239.78708	2.02749	0.1521719	0.22863099	2.6487806	20	1 7.6	21.1
218638 2005 SS_{18}	17.1	X	270.81937	84.08309	196.91044	1.45516	0.2088968	0.24001120	2.5643760	20	2 16.5	21.1
218639 2005 SM_{19}	16.8	X	180.47345	309.77239	24.12200	11.70715	0.2132344	0.22921921	2.6442472	20	2 11.1	21.5
218640 2005 SR_{23}	15.6	X	90.10389	8.69620	19.68036	14.92153	0.1345635	0.22224376	2.6992907	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218641 2005 SF_{25}	16.2	X	107.73642	236.06432	168.66192	12.43445	0.3048122	0.22330273	2.6907501	20	3 6.9	20.2
218642 2005 SV_{26}	16.5	X	159.04267	235.00171	94.91320	2.71981	0.1145055	0.22556170	2.6727550	20	1 7.2	20.4
218643 2005 SZ_{39}	16.8	X	268.07596	265.15435	14.43416	3.30103	0.1430628	0.23715698	2.5849101	20	2 20.7	20.7
218644 2005 SJ_{47}	16.2	X	196.53641	102.05646	204.11005	10.90904	0.1833961	0.22876860	2.6477183	20	1 14.8	20.8
218645 2005 SF_{54}	16.3	X	316.52512	10.10972	197.89227	11.02208	0.1830418	0.22915355	2.6447522	20	1 10.6	20.1
218646 2005 SD_{65}	16.8	X	229.29832	357.20034	305.82649	2.74313	0.1022170	0.23472841	2.6027090	20	2 11.7	20.5
218647 2005 SW_{89}	16.2	X	182.33115	134.67078	200.69519	11.02661	0.1865437	0.22972285	2.6403809	20	2 5.4	20.8
218648 2005 SP_{93}	16.5	X	196.38833	271.21594	24.15474	2.13277	0.1832217	0.22538629	2.6741415	20	1 4.9	20.9
218649 2005 ST_{94}	15.9	X	198.59159	29.13539	286.87601	14.47586	0.1072043	0.23172367	2.6251601	20	1 26.4	20.0
218650 2005 SE_{95}	16.0	X	263.00130	44.66817	235.21758	17.67818	0.2017938	0.23875573	2.5733579	20	2 2.3	20.5
218651 2005 SD_{119}	16.4	X	140.63077	229.31513	154.37705	12.31002	0.2026765	0.22953811	2.6417974	20	3 2.1	20.4
218652 2005 SY_{125}	16.7	X	149.90793	216.33359	163.24774	8.06749	0.1979441	0.23059659	2.6337071	20	3 4.7	20.8
218653 2005 SB_{134}	16.0	X	226.21487	29.71559	279.68147	11.40416	0.1922754	0.23318033	2.6142158	20	2 9.8	20.6
218654 2005 SU_{144}	16.9	X	141.79834	301.81614	163.91537	5.62956	0.1857038	0.24183578	2.5514615	20	6 11.9	21.0
218655 2005 SS_{151}	16.1	X	142.93007	163.64150	185.02562	7.65183	0.0770931	0.22325821	2.6911078	20	1 7.6	20.0
218656 2005 SV_{152}	15.9	X	121.16240	240.88384	159.12308	10.04064	0.0918527	0.22443131	2.6817220	20	2 17.0	19.6
218657 2005 SO_{157}	16.2	X	43.77980	149.44290	175.45939	1.98226	0.0652160	0.20098809	2.8863954	20	11 11.9	20.1
218658 2005 SP_{158}	15.8	X	19.50064	125.64060	313.47356	13.40377	0.0349048	0.21776250	2.7361968	20	—	—
218659 2005 SY_{158}	16.4	X	189.21220	40.55345	302.58043	3.60034	0.1432986	0.23180380	2.6245550	20	2 21.3	20.4
218660 2005 SU_{163}	15.7	X	285.24378	99.79160	174.55818	10.75817	0.1098795	0.23686308	2.5870479	20	3 7.1	19.2
218661 2005 SW_{171}	17.4	X	179.80191	94.31120	277.29017	2.60688	0.1587372	0.23564398	2.5959629	20	3 17.9	21.6
218662 2005 SS_{205}	16.6	X	171.13373	213.59721	163.62150	9.31495	0.0760900	0.23556507	2.5965426	20	3 14.8	20.2
218663 2005 SH_{206}	16.1	X	181.23099	270.08856	39.59615	13.74820	0.2367722	0.22803899	2.6533629	20	1 12.7	20.9
218664 2005 SW_{208}	16.1	X	167.37873	83.44869	209.68290	2.80383	0.0707186	0.21882387	2.7273419	20	—	—
218665 2005 SE_{214}	16.1	X	220.72151	310.13074	1.00142	12.81134	0.2610939	0.23355234	2.6114391	20	2 13.9	20.8
218666 2005 SW_{214}	16.4	X	164.01175	90.96871	257.66553	6.34843	0.2077199	0.22833830	2.6510437	20	2 7.6	20.9
218667 2005 SN_{216}	16.4	X	94.26201	214.63600	189.21251	6.08764	0.1874964	0.22208900	2.7005446	20	2 1.2	19.8
218668 2005 SO_{220}	16.0	X	114.31749	89.54817	298.05686	11.52528	0.1908637	0.22338687	2.6900744	20	2 5.7	19.8
218669 2005 SX_{220}	15.7	X	229.37010	24.80036	290.81870	8.58854	0.2258973	0.23552953	2.5968038	20	2 19.2	20.3
218670 2005 SC_{221}	15.7	X	129.39264	11.02667	359.00998	13.64126	0.1887490	0.22236359	2.6983209	20	2 7.1	19.9
218671 2005 SM_{236}	16.4	X	187.35103	284.63327	338.83716	2.85193	0.0485927	0.21435266	2.7651379	20	—	—
218672 2005 SK_{242}	16.7	X	205.29486	39.31657	224.11410	10.27047	0.1673131	0.22193187	2.7018191	20	—	—
218673 2005 SB_{247}	16.6	X	46.79659	205.90693	211.82016	4.84402	0.0417756	0.21624256	2.7490033	20	—	—
218674 2005 SX_{255}	16.8	X	240.12970	137.94045	176.39994	2.68726	0.0161824	0.23807294	2.5782757	20	3 15.4	20.1
218675 2005 SK_{262}	16.9	X	265.29082	37.14410	305.29526	5.87928	0.1912644	0.25045920	2.4925548	20	4 27.6	20.7
218676 2005 SQ_{270}	16.4	X	249.38679	205.15003	89.00665	5.22051	0.2164650	0.23833456	2.5763886	20	2 14.9	20.6
218677 2005 SW_{278}	15.7	X	279.59841	274.22958	347.92202	13.07374	0.1404204	0.23518130	2.5993666	20	2 14.1	19.5
218678 2005 TE_{5}	16.3	X	189.89634	74.12255	275.03958	3.35904	0.0849461	0.23281473	2.6169519	20	2 27.2	20.3
218679 2005 TQ_{13}	16.1	X	137.28469	197.65765	149.90083	11.09245	0.1473197	0.22377248	2.6869831	20	1 8.8	20.2
218680 2005 TE_{17}	16.3	X	217.47295	114.94450	151.29953	4.06309	0.0556360	0.22332307	2.6905867	20	—	—
218681 2005 TV_{18}	16.6	X	176.67329	182.72734	149.40674	2.02973	0.1013763	0.22793607	2.6541615	20	1 26.3	20.5
218682 2005 TM_{24}	16.4	X	209.45267	70.37981	198.22643	2.22245	0.0641427	0.21886179	2.7270269	20	—	—
218683 2005 TT_{41}	16.8	X	198.32369	30.67177	299.03816	4.28990	0.2172222	0.23315422	2.6144110	20	2 14.2	21.2
218684 2005 TW_{44}	16.4	X	72.58400	223.80994	206.21253	8.35388	0.2772518	0.21875627	2.7279037	20	2 16.7	19.6
218685 2005 TG_{51}	15.3	X	200.12506	298.17297	193.74853	15.70469	0.0478880	0.18804946	3.0173196	20	9 7.9	19.9
218686 2005 TK_{54}	16.6	X	125.16517	270.05894	136.08410	5.97858	0.1546846	0.22813470	2.6526207	20	3 10.2	20.5
218687 2005 TA_{56}	15.8	X	151.87371	267.13586	46.62773	6.86874	0.0281306	0.21795626	2.7345749	20	—	—
218688 2005 TD_{62}	16.9	X	199.60200	280.39589	64.13120	3.26236	0.1359223	0.23306871	2.6150504	20	3 5.9	21.0
218689 2005 TR_{64}	16.3	X	38.10320	282.15716	191.34947	4.91458	0.0578403	0.22350144	2.6891550	20	1 24.0	19.6
218690 2005 TU_{74}	16.2	X	152.87118	68.83210	316.28451	7.53057	0.0989508	0.23175611	2.6249150	20	3 3.9	20.0
218691 2005 TF_{75}	15.9	X	105.56047	190.06697	227.42149	12.79387	0.2594385	0.22619354	2.6677753	20	3 10.1	20.0
218692 Leesnyder	15.9	X	68.21941	308.18955	139.12799	13.88962	0.1506197	0.22634416	2.6665917	20	2 15.3	18.8
218693 2005 TA_{78}	15.4	X	171.25631	131.83656	230.49364	13.60139	0.1273026	0.22831829	2.6511985	20	2 22.5	19.8
218694 2005 TD_{79}	16.3	X	141.21140	312.68708	25.89290	2.78145	0.1183850	0.22093631	2.7099294	20	—	—
218695 2005 TG_{79}	16.3	X	150.61214	210.53195	158.98256	14.29964	0.1723296	0.22789898	2.6544495	20	2 19.7	20.5
218696 2005 TK_{83}	15.3	X	164.84339	357.63651	15.59363	13.54462	0.2951175	0.22963807	2.6410308	20	3 17.6	20.0
218697 2005 TT_{99}	17.2	X	157.93487	106.04069	286.27686	1.62421	0.2206915	0.23256387	2.6188335	20	3 27.4	21.6
218698 2005 TS_{159}	16.6	X	139.22098	81.25070	261.36166	3.78296	0.0935780	0.22145756	2.7056755	20	—	—
218699 2005 TD_{162}	16.6	X	282.07631	321.32634	282.55134	1.56162	0.0630353	0.22894372	2.6463679	20	2 1.2	20.0
218700 2005 TO_{162}	16.4	X	249.38404	328.84532	327.45973	1.23688	0.1009451	0.23400868	2.6080430	20	2 24.8	20.1
218701 2005 TQ_{165}	16.0	X	190.17809	303.20133	346.75265	1.96940	0.0317149	0.21925805	2.7237402	20	—	—
218702 2005 TR_{167}	16.8	X	280.43554	8.67583	239.26866	0.72054	0.0502426	0.22844654	2.6502062	20	2 6.1	20.4
218703 2005 TH_{182}	16.0	X	125.34700	155.54777	271.76479	10.84257	0.1649880	0.23619082	2.5919545	20	3 30.6	20.1
218704 2005 TW_{186}	16.4	X	219.72710	312.29158	301.82594	2.66091	0.1689738	0.22230085	2.6988286	20	—	—
218705 2005 TL_{195}	16.8	X	321.53006	354.49743	141.18315	2.90498	0.0232707	0.21608998	2.7502972	20	—	—
218706 2005 UT_{2}	15.6	X	125.07561	45.48239	342.02866	28.43646	0.2222968	0.22434764	2.6823887	20	2 25.8	19.7
218707 2005 UD_{9}	16.3	X	42.02631	342.55088	85.61683	1.14655	0.0846980	0.21700065	2.7425972	20	—	—
218708 2005 UB_{17}	16.0	X	154.16386	18.11115	345.27420	5.61007	0.0674308	0.22508563	2.6765223	20	2 8.5	19.8
218709 2005 UN_{19}	16.5	X	83.16327	131.13532	270.71609	3.60585	0.2724204	0.21766044	2.7370520	20	1 28.7	19.7
218710 2005 UG_{20}	15.8	X	210.86217	113.63383	190.73837	10.52143	0.0693038	0.22547917	2.6734071	20	1 25.2	19.9
218711 2005 UL_{29}	16.4	X	174.51217	128.72965	222.09386	9.56646	0.3010322	0.23010616	2.6374479	20	2 20.9	21.4
218712 2005 UC_{33}	15.8	X	73.18051	18.77291	196.62676	0.91437	0.1317103	0.18114638	3.0934964	20	8 8.3	20.2
218713 2005 UY_{51}	16.1	X	125.37231	82.04131	292.66718	5.04850	0.0610061	0.22261170	2.6963156	20	1 17.9	19.8
218714 2005 UA_{53}	16.3	X	190.35326	147.27599	169.30373	4.02559	0.2632750	0.22838800	2.6506590	20	1 25.5	21.0
218715 2005 UF_{75}	15.5	X	228.11481	0.98491	321.13034	14.38210	0.1274404	0.23537152	2.5979659	20	2 29.6	19.7
218716 2005 UJ_{80}	16.5	X	156.67545	250.11620	143.06588	3.85102	0.2067524	0.23035607	2.6355400	20	3 28.9	20.8
218717 2005 UM_{82}	16.5	X	164.68393	63.21865	216.45851	3.46280	0.0681379	0.21315208	2.7755113	20	—	—
218718 2005 US_{118}	16.1	X	165.14570	51.25241	263.24998	1.50198	0.0824170	0.21943299	2.7222924	20	—	—
218719 2005 UQ_{119}	16.5	X	131.26326	42.56264	259.00838	1.19255	0.0705113	0.21097323	2.7945882	20	—	—
218720 2005 UC_{123}	16.4	X	173.77907	351.62339	15.76941	1.06474	0.1121861	0.23031742	2.6358349	20	3 7.2	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218721 2005 UW_{124}	16.3	X	320.45774	209.20097	328.56213	1.27697	0.0694173	0.21873579	2.7280741	20	—	—
218722 2005 UE_{132}	15.8	X	97.91128	183.24998	155.97400	12.28927	0.1713335	0.21075852	2.7964859	20	—	—
218723 2005 UY_{140}	16.0	X	86.04508	293.40467	167.15453	6.40319	0.1557267	0.22746822	2.6577996	20	4 1.3	19.3
218724 2005 UA_{160}	15.4	X	350.79718	116.53970	226.13850	8.45299	0.0337692	0.19196453	2.9761539	20	9 14.9	19.5
218725 2005 UN_{166}	16.6	X	200.33027	53.98107	242.24976	0.57367	0.0286725	0.22192182	2.7019007	20	1 5.9	20.3
218726 2005 UK_{203}	16.8	X	156.18646	143.51192	210.85687	4.36828	0.0324778	0.22390009	2.6859621	20	1 24.7	20.5
218727 2005 US_{211}	16.9	X	172.01905	246.87729	71.26690	3.43753	0.0983844	0.21995933	2.7179479	20	1 5.9	20.9
218728 2005 UA_{250}	16.0	X	74.51602	101.29743	267.50235	5.10864	0.0582903	0.21305711	2.7763360	20	—	—
218729 2005 UT_{250}	15.4	X	296.85648	176.53957	345.16206	8.76321	0.0968172	0.21326553	2.7745269	20	—	—
218730 2005 UH_{255}	16.6	X	319.92419	355.81315	183.58044	4.66234	0.0019896	0.22366769	2.6878223	20	1 7.4	20.3
218731 2005 UY_{256}	16.4	X	202.65692	109.44337	199.76065	4.86993	0.0411244	0.22455073	2.6807711	20	1 23.2	20.2
218732 2005 UK_{275}	16.2	X	65.73609	137.03535	287.33924	1.79638	0.0756033	0.21913036	2.7247982	20	1 4.1	19.4
218733 2005 UZ_{342}	15.9	X	156.75436	29.33060	323.77510	12.98137	0.2706183	0.22759077	2.6568454	20	2 13.3	20.3
218734 2005 UA_{362}	16.4	X	123.65610	142.68878	185.96047	2.59816	0.0721644	0.21438165	2.7648887	20	—	—
218735 2005 UZ_{364}	16.1	X	28.72869	230.76331	197.71332	6.04580	0.0418297	0.21204061	2.7852019	20	—	—
218736 2005 UY_{411}	16.6	X	54.34354	223.74618	127.39407	3.09012	0.0769014	0.20198319	2.8769075	20	12 28.3	20.5
218737 2005 UR_{436}	16.7	X	172.98857	76.45813	214.62958	10.35928	0.2545738	0.22203676	2.7009681	20	—	—
218738 2005 UY_{440}	15.7	X	140.33568	130.32706	249.24518	7.15724	0.2980537	0.22528788	2.6749202	20	3 1.2	20.4
218739 2005 UA_{444}	15.2	X	197.69803	245.63159	281.74392	7.17507	0.1216147	0.19217104	2.9740214	20	10 12.7	19.9
218740 2005 UC_{444}	16.0	X	215.39832	344.40423	9.67154	6.11181	0.2588027	0.23669925	2.5882415	20	3 26.9	20.5
218741 2005 UO_{457}	15.8	X	95.73297	302.51433	131.33210	12.44413	0.1679398	0.22598044	2.6694522	20	3 14.6	19.4
218742 2005 UH_{473}	16.1	X	83.96381	90.81986	286.49193	2.68038	0.1104130	0.21222874	2.7835557	20	—	—
218743 2005 UT_{480}	15.1	X	248.70194	306.08711	322.99612	30.41305	0.2474537	0.23308547	2.6149250	20	1 20.9	19.9
218744 2005 UX_{480}	15.8	X	166.29583	229.16705	117.75739	15.27630	0.1356360	0.22822678	2.6519072	20	2 6.3	19.9
218745 2005 UV_{482}	16.6	X	159.91743	243.63997	172.24348	13.04537	0.1678016	0.23660761	2.5889097	20	4 27.9	20.9
218746 2005 UX_{482}	16.3	X	2.23092	274.19729	176.64510	3.60616	0.0641457	0.21345334	2.7728992	20	—	—
218747 2005 UK_{486}	16.3	X	136.07598	64.74874	257.26190	3.88508	0.0658246	0.21636230	2.7479890	20	—	—
218748 2005 UT_{488}	16.2	X	105.47922	95.51589	246.40920	4.87861	0.0542713	0.21351032	2.7724058	20	—	—
218749 2005 UA_{499}	16.5	X	141.38405	194.59464	169.04454	14.67405	0.1388542	0.22391119	2.6858733	20	1 30.4	20.7
218750 2005 US_{512}	16.1	X	110.25909	237.35690	168.62616	6.13691	0.0375839	0.22345274	2.6895457	20	2 2.9	19.7
218751 2005 UH_{513}	16.4	X	92.96318	40.31098	350.63728	5.58578	0.1099307	0.21819176	2.7326068	20	1 5.5	19.9
218752 Tentlingen	15.7	X	164.83403	106.67922	302.68809	13.37650	0.2459654	0.23640144	2.5904148	20	4 18.1	20.5
218753 2005 VT_{23}	16.7	X	159.04185	322.54240	335.98086	1.33573	0.0667953	0.21332333	2.7740257	20	—	—
218754 2005 VV_{30}	14.6	X	26.25878	13.62241	238.18594	16.18090	0.1633838	0.17581182	3.1557602	20	7 17.9	18.7
218755 2005 VB_{51}	16.1	X	94.51479	250.98546	175.09430	8.30851	0.1137123	0.22512142	2.6762386	20	2 18.8	19.7
218756 2005 VH_{77}	16.3	X	243.37821	138.74187	158.22328	4.39297	0.2710574	0.23573444	2.5952987	20	2 8.5	20.9
218757 2005 VB_{91}	16.1	X	38.29484	96.83136	274.26513	8.03357	0.1131733	0.20224841	2.8743918	20	—	—
218758 2005 VZ_{96}	16.2	X	134.55467	26.46122	264.78059	0.99952	0.2287118	0.21004864	2.8027830	20	—	—
218759 2005 VR_{98}	15.1	X	173.24807	63.31006	329.51151	12.94152	0.1244157	0.23354112	2.6115227	20	4 1.3	19.3
218760 2005 VD_{110}	16.1	X	178.92619	250.92153	57.16643	6.43370	0.1622236	0.22168035	2.7038624	20	1 4.6	20.4
218761 2005 VG_{120}	15.4	X	285.05431	298.97474	110.30852	8.40681	0.1022506	0.17679815	3.1440123	20	9 5.9	19.6
218762 2005 VS_{120}	15.5	X	186.82840	70.06237	334.22845	14.65723	0.1547265	0.23727963	2.5840192	20	4 28.3	20.0
218763 2005 VW_{123}	15.4	X	199.71024	16.28562	332.90108	11.86610	0.1842460	0.23163857	2.6258029	20	3 8.0	19.8
218764 2005 WO_{1}	15.0	X	45.49806	93.84152	326.56900	23.61192	0.2062343	0.21045802	2.7991472	20	—	—
218765 2005 WO_{4}	15.3	X	203.08789	10.26627	327.80336	14.96180	0.1208806	0.23117791	2.6292900	20	2 27.0	19.4
218766 2005 WS_{16}	16.3	X	203.83500	251.44588	72.50872	5.10695	0.3485431	0.22973090	2.6403193	20	2 14.8	21.3
218767 2005 WX_{45}	15.1	X	269.60739	176.20133	252.16345	10.91031	0.0113576	0.18647507	3.0342791	20	9 15.0	19.6
218768 2005 WW_{62}	16.0	X	125.33834	164.92891	183.36250	8.59038	0.1344379	0.21563254	2.7541855	20	—	—
218769 2005 WV_{112}	16.6	X	123.98722	249.88978	66.70664	0.72564	0.0608882	0.21229048	2.7830160	20	—	—
218770 2005 WE_{114}	16.3	X	55.81450	34.22263	4.57555	3.84064	0.0999278	0.20908487	2.8113893	20	—	—
218771 2005 WF_{119}	15.3	X	170.75737	105.16798	268.34243	11.49031	0.2314316	0.22791595	2.6543177	20	3 10.9	20.2
218772 2005 WS_{120}	16.5	X	84.98117	299.63599	105.89017	2.58738	0.1452572	0.21571774	2.7534602	20	1 17.7	19.8
218773 2005 WL_{148}	16.1	X	145.17150	206.93315	167.58792	6.58161	0.0562985	0.22470767	2.6795228	20	2 8.6	19.9
218774 2005 WQ_{158}	14.9	X	35.75899	7.49225	276.80322	16.40373	0.0948683	0.18094374	3.0958055	20	9 1.3	19.3
218775 2005 WF_{161}	15.3	X	68.24245	299.44885	252.63904	5.95138	0.0992018	0.17169521	3.2060030	20	6 27.5	19.7
218776 2005 WA_{194}	15.7	X	358.11149	215.91711	148.05788	8.62122	0.0962684	0.19713348	2.9238996	20	11 3.7	19.4
218777 2005 XS_{10}	16.2	X	80.74558	271.12318	73.78327	4.93327	0.1066863	0.20891667	2.8128980	20	—	—
218778 2005 XL_{15}	16.2	X	83.42206	37.34300	239.03073	3.46562	0.1151171	0.19203877	2.9753868	20	11 3.1	20.6
218779 2005 XB_{27}	16.5	X	346.14712	68.72783	358.72333	1.42457	0.0775573	0.19747284	2.9205488	20	—	—
218780 2005 XD_{29}	14.7	X	142.19456	229.80649	295.85564	10.03093	0.0589488	0.17717666	3.1395329	20	8 14.5	19.4
218781 2005 XF_{32}	15.8	X	310.80525	231.16663	214.51522	1.25919	0.0796412	0.19645610	2.9306168	20	12 2.9	19.4
218782 2005 XW_{51}	15.8	X	53.50559	281.61475	30.05111	4.00648	0.0237932	0.18801231	3.0177171	20	10 29.4	19.8
218783 2005 XR_{82}	15.1	X	49.15921	310.17136	292.96990	6.09253	0.1223237	0.17548475	3.1596801	20	8 9.3	19.2
218784 2005 YQ_{1}	15.6	X	198.68605	355.91399	10.72176	14.33067	0.3195733	0.23088097	2.6315439	20	3 29.7	20.6
218785 2005 YY_{13}	15.7	X	245.68669	16.57479	108.92489	3.45398	0.1350614	0.18565149	3.0432462	20	10 16.1	20.1
218786 2005 YK_{29}	16.5	X	12.67861	41.86832	354.39487	1.40137	0.1176708	0.19605183	2.9346442	20	—	—
218787 2005 YX_{74}	14.8	X	316.18997	222.58187	94.59506	15.40771	0.1499110	0.17213007	3.2006011	20	6 14.2	18.7
218788 2005 YA_{165}	17.1	X	353.18345	196.28640	306.33874	7.70170	0.1434754	0.27733939	2.3287794	20	—	—
218789 2005 YK_{166}	15.1	X	209.38180	306.91127	133.87954	8.09398	0.0507635	0.17156364	3.2076420	20	7 16.9	19.9
218790 2005 YC_{181}	14.6	X	84.66703	254.06078	315.74125	20.13467	0.0358338	0.17046285	3.2214363	20	8 2.5	19.1
218791 2005 YE_{184}	14.7	X	308.10914	128.83407	139.69774	9.28754	0.0884720	0.15614830	3.4154234	20	4 12.5	19.4
218792 2005 YT_{189}	15.8	X	347.96016	142.72328	186.02509	2.70537	0.1013603	0.17798906	3.1299724	20	8 25.3	19.6
218793 2006 AJ_{5}	15.5	X	314.29987	336.56300	60.91403	15.58120	0.2456167	0.18529398	3.0471594	20	9 28.8	18.9
218794 2006 AS_{79}	16.2	X	200.54471	175.02878	70.45670	4.98975	0.1267782	0.26457551	2.4030877	20	—	—
218795 2006 AO_{83}	15.3	X	303.30312	276.12093	153.07885	9.39472	0.0532409	0.18614585	3.0378557	20	11 3.4	19.4
218796 2006 AO_{86}	15.5	X	252.96994	222.89518	237.38352	5.67444	0.1119624	0.18379560	3.0636981	20	9 22.4	19.9
218797 2006 AD_{91}	15.9	X	186.27708	251.02212	232.63302	1.28356	0.0747737	0.17206082	3.2014598	20	8 12.1	20.7
218798 2006 AX_{104}	15.4	X	284.54685	241.47398	147.86310	18.12793	0.2094275	0.17363946	3.1820263	20	7 20.9	19.8
218799 2006 BM_{11}	15.3	X	266.15045	300.26995	147.16760	9.62691	0.0893624	0.17964969	3.1106542	20	9 30.8	19.6
218800 2006 BN_{43}	14.9	X	230.28767	5.26006	109.04586	7.41311	0.1307463	0.17841839	3.1249492	20	9 16.0	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218801 2006 BC_{99}	15.6	X	277.81828	93.03981	316.37205	16.23567	0.1212788	0.17865212	3.1222231	20	8 19.2	19.7
218802 2006 BF_{140}	15.9	X	214.45788	291.36042	178.70200	1.01296	0.1026942	0.17397660	3.1779141	20	8 23.9	20.7
218803 2006 BS_{214}	14.9	X	6.02865	298.80851	13.69061	10.70377	0.0480283	0.17514314	3.1637874	20	9 2.7	19.2
218804 2006 BB_{252}	13.6	X	255.48168	172.38072	157.61930	4.05214	0.1084328	0.08294162	5.2074012	20	4 22.0	20.6
218805 2006 CU_{33}	15.6	X	302.31073	84.16241	290.70291	8.38131	0.1240708	0.17495812	3.1660175	20	8 9.1	19.6
218806 2006 DE_{1}	15.5	X	220.07296	186.69612	297.11891	9.33433	0.0461461	0.17540337	3.1606574	20	9 17.5	20.3
218807 2006 DM_{44}	15.5	X	243.17008	252.00355	172.10650	5.35911	0.1110702	0.16941961	3.2346472	20	7 27.4	20.4
218808 2006 DM_{56}	15.3	X	269.28240	49.34804	32.83733	5.31810	0.1321844	0.17793922	3.1305568	20	9 20.9	19.5
218809 2006 GH_{32}	15.5	X	27.76816	312.85916	149.60765	10.47609	0.2187350	0.21059676	2.7979176	20	—	—
218810 2006 GF_{38}	15.6	X	95.27867	29.32624	135.42802	12.56179	0.1083205	0.22139801	2.7061607	20	6 30.2	19.5
218811 2006 PD_{5}	17.7	X	230.11722	54.43493	324.05528	14.35394	0.0799587	0.34255475	2.0229387	20	5 13.5	20.5
218812 2006 RR_{94}	17.7	X	150.23390	65.76537	207.18519	5.72611	0.1755742	0.30158608	2.2022258	20	—	—
218813 2006 SO_{14}	17.4	X	142.32175	46.23833	248.72667	3.41357	0.2588113	0.30799784	2.1715555	20	—	—
218814 2006 SV_{14}	17.1	X	151.56674	357.21343	298.52316	3.56990	0.1792904	0.30831147	2.1700826	20	—	—
218815 2006 SE_{36}	15.3	X	161.37790	258.36849	124.63400	10.66718	0.0758346	0.18060713	3.0996510	20	3 18.9	20.1
218816 2006 SL_{115}	17.6	X	211.05443	339.92575	281.10267	2.80520	0.1274361	0.31417522	2.1429964	20	—	—
218817 2006 SS_{175}	16.1	X	174.08068	112.98951	347.03279	9.69145	0.0762116	0.19858034	2.9096800	20	7 3.5	20.6
218818 2006 SA_{263}	17.3	X	166.79537	119.97502	176.98708	2.82614	0.2341155	0.30911277	2.1663307	20	—	—
218819 2006 SZ_{265}	17.1	X	50.22609	147.61030	224.09071	5.68665	0.1189236	0.29679660	2.2258545	20	—	—
218820 2006 SN_{349}	16.6	X	69.92315	317.16737	359.67578	4.46316	0.1336423	0.29247165	2.2477441	20	12 31.4	19.8
218821 2006 TE_{4}	17.3	X	69.51477	229.16737	74.55179	5.34805	0.1784608	0.28892812	2.2660849	20	12 16.9	20.7
218822 2006 TF_{19}	17.8	X	140.26627	328.51763	357.56264	2.61510	0.1467294	0.30695848	2.1764547	20	—	—
218823 2006 TN_{22}	17.4	X	47.78314	191.58438	174.90053	2.46139	0.1575280	0.29482218	2.2357811	20	—	—
218824 2006 TD_{26}	17.5	X	74.62792	74.45331	216.64391	3.91375	0.1951422	0.28852674	2.2681860	20	12 7.6	20.8
218825 2006 TX_{34}	17.3	X	308.88264	200.62285	243.11502	2.83023	0.0981206	0.28740503	2.2740838	20	12 26.3	19.5
218826 2006 TJ_{45}	17.5	X	29.25179	103.38149	203.28420	4.39064	0.2289655	0.28152637	2.3056320	20	11 11.2	20.1
218827 2006 TJ_{68}	16.6	X	305.68170	193.62936	236.79755	5.73665	0.0801662	0.28708758	2.2757599	20	11 30.7	18.7
218828 2006 TG_{79}	16.7	X	41.67508	60.98083	197.68730	5.80813	0.0861003	0.26890658	2.3772148	20	8 24.1	19.5
218829 2006 TM_{79}	16.9	X	101.88626	104.89593	192.98160	5.63952	0.1372854	0.29363615	2.2417974	20	—	—
218830 2006 TD_{85}	17.0	X	129.81095	262.34757	4.98952	5.99756	0.0766353	0.29081734	2.2562602	20	12 29.2	20.1
218831 2006 TX_{101}	17.7	X	112.73487	41.72990	328.11323	0.50927	0.1939720	0.30914054	2.1662009	20	—	—
218832 2006 TV_{105}	17.0	X	43.35489	24.03932	299.25562	6.03394	0.2091776	0.28834987	2.2691134	20	12 18.3	20.0
218833 2006 UH_{6}	17.4	X	162.17892	114.34491	186.25036	4.13436	0.2115498	0.30809636	2.1710925	20	—	—
218834 2006 UN_{19}	16.3	X	21.19882	262.99687	316.60599	2.58401	0.1330240	0.26048909	2.4281547	20	5 26.4	18.6
218835 2006 UX_{40}	17.5	X	140.90016	46.20991	234.49900	1.66692	0.1347764	0.29655630	2.2270567	20	—	—
218836 2006 UY_{41}	16.1	X	33.57554	322.57632	45.78055	10.58031	0.1234224	0.21840983	2.7307877	20	—	—
218837 2006 UL_{55}	17.3	X	85.00519	91.81345	229.40825	3.83562	0.2026768	0.29528260	2.2334564	20	—	—
218838 2006 UW_{64}	17.2	X	103.70204	192.61857	145.76453	4.14074	0.1778452	0.30186095	2.2008888	20	—	—
218839 2006 UA_{71}	17.1	X	54.54955	234.48815	151.87643	5.48140	0.1715153	0.29849683	2.2173942	20	—	—
218840 2006 UG_{86}	17.0	X	109.93813	337.80133	323.61247	5.38491	0.1971682	0.29905140	2.2146520	20	—	—
218841 2006 US_{87}	16.7	X	81.81965	343.86882	277.49037	2.37457	0.1415406	0.27773232	2.3265824	20	10 30.1	19.9
218842 2006 UY_{179}	16.9	X	65.36680	259.80970	122.01680	5.69534	0.1736539	0.30079940	2.2060638	20	—	—
218843 2006 UZ_{202}	17.2	X	92.31962	148.93066	165.29588	7.06008	0.0403850	0.29468153	2.2364925	20	—	—
218844 2006 UQ_{204}	16.7	X	81.65949	91.09914	239.45504	4.45133	0.2075080	0.29619449	2.2288700	20	—	—
218845 2006 UY_{209}	17.3	X	57.88606	97.81157	255.10269	6.80881	0.1533801	0.29403184	2.2397858	20	—	—
218846 2006 UR_{228}	17.3	X	106.38898	255.35562	47.56266	7.39826	0.2276132	0.29809160	2.2194033	20	—	—
218847 2006 UP_{241}	15.3	X	263.51539	300.10465	276.38446	13.53788	0.0948901	0.22175263	2.7032748	20	—	—
218848 2006 UQ_{327}	16.7	X	326.27436	281.00268	56.42624	2.94033	0.2515498	0.26434699	2.4044725	20	7 31.6	18.0
218849 2006 UL_{338}	16.8	X	65.42347	202.27252	67.90308	3.30853	0.1387465	0.27474716	2.3434044	20	10 24.3	19.9
218850 2006 VW_{13}	17.0	X	115.13468	46.95209	274.10382	3.95286	0.1931150	0.30023552	2.2088252	20	—	—
218851 2006 VP_{34}	17.2	X	105.40583	349.12888	343.79727	2.01651	0.1847106	0.29936627	2.2130988	20	—	—
218852 2006 VV_{41}	16.7	X	103.59382	228.97020	135.28798	2.25661	0.1429660	0.30423782	2.1894108	20	—	—
218853 2006 VO_{51}	16.8	X	205.64014	186.81577	260.42964	3.50510	0.1591751	0.26235845	2.4166069	20	7 17.7	20.5
218854 2006 VK_{88}	17.2	X	29.52280	250.35451	340.84098	3.11814	0.1403624	0.26028519	2.4294227	20	7 2.6	19.5
218855 2006 VC_{94}	17.1	X	312.88514	157.46460	270.78189	1.48806	0.1381233	0.28198543	2.3031290	20	12 9.8	18.8
218856 2006 VN_{105}	17.7	X	91.34411	316.15644	347.63340	0.64791	0.2209554	0.29236140	2.2483092	20	—	—
218857 2006 WB_{80}	17.5	X	58.42230	298.74579	11.83659	1.89091	0.1836670	0.28458202	2.2890981	20	12 14.0	20.8
218858 2006 WO_{80}	17.1	X	60.51747	236.42108	21.97410	2.76431	0.1483942	0.27138609	2.3627131	20	10 2.5	20.1
218859 2006 WD_{82}	16.6	X	356.25228	216.93570	78.85826	13.30745	0.1935266	0.26742861	2.3859654	20	8 18.2	18.7
218860 2006 WR_{101}	17.3	X	35.03614	200.53492	153.94639	4.74615	0.1751977	0.29014711	2.2597335	20	—	—
218861 2006 WX_{112}	17.1	X	296.38746	71.63090	22.52991	4.03055	0.1632208	0.28101348	2.3084366	20	12 14.2	18.9
218862 2006 WK_{123}	16.7	X	294.74366	227.12488	138.87694	4.03170	0.2262252	0.26261550	2.4150297	20	7 7.9	19.3
218863 2006 WO_{127}	16.3	X	61.37270	314.15336	167.71539	10.99739	0.5504407	0.30336572	2.1936047	20	5 30.2	19.1
218864 2006 WF_{162}	16.9	X	288.17224	47.17453	209.22407	3.24945	0.1434108	0.24453594	2.5326446	20	2 10.5	20.6
218865 2006 WY_{204}	16.3	X	328.00488	69.85259	236.66465	0.71252	0.1369628	0.26132215	2.4229916	20	6 24.1	18.5
218866 Alexantioch	16.2	X	5.44128	117.80581	350.61423	7.56534	0.0695479	0.22053918	2.7131817	20	—	—
218867 2006 XB_{21}	17.0	X	228.31245	187.54743	272.26860	0.98853	0.1563456	0.26602434	2.3943546	20	8 28.9	20.5
218868 2006 XH_{31}	15.6	X	265.24944	300.90130	253.75118	11.50217	0.1427593	0.21369677	2.7707930	20	—	—
218869 2006 XO_{53}	17.1	X	319.76236	300.89753	101.77266	2.70700	0.1229589	0.27623787	2.3349661	20	11 12.6	19.1
218870 2006 XS_{53}	16.5	X	3.86754	34.54556	248.29179	3.78768	0.0674416	0.26728870	2.3867979	20	7 26.6	19.1
218871 2006 YL_{1}	16.1	X	168.65424	39.80663	12.91752	4.17700	0.1167605	0.24701533	2.5156687	20	4 26.2	19.9
218872 2006 YX_{14}	16.5	X	205.18438	41.20424	281.27014	4.20931	0.0981422	0.23335489	2.6129120	20	2 10.6	20.6
218873 2006 YS_{16}	15.6	X	236.98343	356.10478	299.53822	14.18981	0.1100681	0.23326732	2.6135659	20	2 7.9	19.7
218874 2006 YW_{37}	16.7	X	283.83898	33.14884	347.02567	4.45987	0.1578754	0.26178577	2.4201300	20	7 24.5	19.4
218875 2006 YU_{46}	16.5	X	335.07245	229.28165	233.42538	4.35204	0.0791507	0.21329122	2.7743041	20	—	—
218876 2007 AH_{8}	17.1	X	229.00977	222.41992	192.26857	1.71477	0.1837198	0.25823812	2.4422445	20	6 26.7	20.8
218877 2007 AC_{27}	16.7	X	2.82098	80.02124	259.76116	7.24342	0.1287540	0.27562812	2.3384084	20	10 26.7	19.2
218878 2007 BK_{4}	16.8	X	257.07354	35.52884	359.96109	4.15100	0.2135307	0.26052394	2.4279382	20	6 28.7	20.3
218879 2007 BH_{5}	16.2	X	198.45847	277.73227	147.11083	6.34846	0.1169227	0.25335523	2.4735240	20	6 13.7	19.9
218880 2007 BO_{22}	15.7	X	210.48171	195.55311	109.12618	13.96905	0.1443288	0.22837834	2.6507337	20	1 27.6	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218881 2007 BN_{55}	16.7	X	283.55529	11.94716	357.92380	3.58261	0.1900373	0.26026371	2.4295563	20	7 2.2	19.5
218882 2007 BT_{57}	16.1	X	131.30182	204.70463	151.91071	6.80520	0.0678933	0.22352201	2.6889900	20	1 3.2	19.8
218883 2007 BM_{77}	16.5	X	180.49901	152.45862	266.14251	2.69610	0.1178157	0.24680771	2.5170793	20	5 16.6	20.3
218884 2007 CO_{7}	15.8	X	136.52463	221.65203	115.09086	15.82680	0.1325241	0.22188359	2.7022110	20	—	—
218885 2007 CT_{10}	16.9	X	213.80906	112.93573	321.57762	1.51489	0.1491414	0.25598114	2.4565790	20	7 10.5	20.4
218886 2007 CR_{21}	16.6	X	116.91132	315.14342	166.69966	8.06619	0.0703646	0.24348286	2.5399419	20	5 27.2	20.2
218887 2007 CY_{22}	15.9	X	354.75997	164.59168	305.87564	5.36377	0.0555717	0.21610766	2.7501472	20	—	—
218888 2007 CV_{40}	16.1	X	78.35757	9.99831	322.71876	14.02401	0.0711108	0.20340279	2.8635061	20	—	—
218889 2007 CU_{41}	14.8	X	345.08350	325.21252	326.80438	19.33652	0.1546791	0.17225628	3.1990376	20	7 4.5	18.8
218890 2007 CT_{63}	15.4	X	85.77789	29.28025	160.68416	9.96626	0.1540259	0.17317711	3.1876874	20	7 23.8	20.1
218891 2007 DY_{11}	16.3	X	234.44822	25.90288	22.57718	6.43643	0.1134453	0.25486105	2.4637714	20	7 2.6	19.8
218892 2007 DZ_{24}	15.6	X	45.55219	139.38002	162.03261	3.79097	0.1709931	0.18480464	3.0525360	20	10 28.7	19.7
218893 2007 DX_{35}	15.7	X	5.36747	318.22073	344.31184	3.10076	0.1264882	0.17522679	3.1627804	20	8 21.3	19.3
218894 2007 DO_{60}	17.1	X	198.91731	225.07416	224.98084	1.38273	0.1739847	0.25356273	2.4721744	20	7 13.7	20.9
218895 2007 DM_{68}	15.2	X	344.47333	169.13975	135.37958	3.42122	0.0989575	0.17281660	3.1921190	20	7 17.9	19.2
218896 2007 DX_{70}	15.7	X	58.99959	80.95556	353.36631	12.85062	0.0485446	0.21727988	2.7402470	20	1 7.9	19.4
218897 2007 DT_{81}	16.2	X	293.81896	2.69713	172.32283	5.16943	0.0869968	0.21179075	2.7873921	20	—	—
218898 2007 DU_{102}	16.9	X	351.85764	147.71272	28.23980	20.72741	0.0706383	0.37301475	1.9112553	20	1 11.8	19.2
218899 2007 EO_{1}	16.1	X	46.64528	173.51692	160.38137	8.10208	0.1074591	0.19571306	2.9380296	20	12 2.3	20.3
218900 Gabybuchholz	16.4	X	27.75523	329.70541	169.56971	15.44305	0.0715647	0.22493035	2.6777540	20	2 10.8	19.9
218901 Gerdbuchholz	15.9	X	126.82643	272.80445	293.93106	2.11575	0.1102730	0.18295750	3.0730472	20	9 22.5	20.7
218902 2007 EW_{12}	15.0	X	68.53821	100.89736	167.50691	16.95460	0.0706481	0.18113826	3.0935888	20	10 2.2	19.4
218903 2007 EJ_{16}	14.7	X	88.45459	209.21596	4.81988	14.98379	0.1738850	0.17469952	3.1691411	20	9 2.9	19.5
218904 2007 EV_{36}	14.8	X	94.01432	42.29951	186.25870	9.98907	0.0441882	0.17842120	3.1249165	20	9 5.8	19.4
218905 2007 EV_{51}	16.3	X	32.72334	251.34429	218.99909	4.31354	0.0843744	0.21983921	2.7189378	20	1 13.3	19.5
218906 2007 ES_{122}	16.2	X	100.34729	287.44248	64.96168	2.56991	0.1038039	0.20904395	2.8117561	20	—	—
218907 2007 EW_{126}	17.1	X	292.70174	249.15458	159.94520	2.45717	0.2097347	0.26763649	2.3847297	20	9 14.7	19.1
218908 2007 ET_{161}	16.0	X	37.23279	129.25139	155.61987	11.86144	0.1266673	0.18408994	3.0604316	20	9 20.2	19.9
218909 2007 EJ_{218}	15.8	X	356.70030	227.15123	168.52470	9.65995	0.0420558	0.19793364	2.9160142	20	12 5.6	19.9
218910 2007 EV_{218}	16.4	X	333.26029	171.71137	190.80693	3.38650	0.0487566	0.18119171	3.0929803	20	9 17.2	20.6
218911 2007 FQ_{24}	15.8	X	334.43125	163.98477	170.00483	10.29144	0.1310773	0.17714360	3.1399235	20	8 7.4	19.7
218912 2007 GJ_{30}	17.5	X	11.86978	41.66082	205.83036	6.71339	0.1466792	0.30910755	2.1663551	20	6 24.9	19.1
218913 2007 HN_{53}	16.3	X	289.70306	148.53729	164.90782	5.69915	0.1222203	0.22628722	2.6670390	20	5 4.9	19.8
218914 2007 KG_{9}	15.4	X	17.17221	151.02974	102.36456	12.44696	0.0926440	0.23126465	2.6286326	20	7 5.8	18.3
218915 2007 PL_{27}	16.7	X	221.81960	29.10221	315.74217	8.59480	0.1881571	0.28326630	2.2961810	20	3 16.7	20.5
218916 2007 SD_{12}	16.6	X	286.93325	93.00243	348.41525	20.20598	0.1017492	0.37309675	1.9109753	20	12 10.7	18.6
218917 2007 TJ_{68}	15.6	X	267.60134	42.17111	17.39323	17.29188	0.2313524	0.21534309	2.7566529	20	8 16.4	19.7
218918 2007 TV_{138}	15.2	X	142.28438	43.59714	324.52964	16.51713	0.1201143	0.18470670	3.0536150	20	2 10.9	19.9
218919 2007 TB_{218}	16.1	X	314.59603	89.62051	38.01129	13.92971	0.1001405	0.23979385	2.5659254	20	—	—
218920 2007 TB_{240}	15.6	X	77.55873	358.21183	64.08387	3.26129	0.0715683	0.18021060	3.1041962	20	1 25.6	19.7
218921 2007 TR_{357}	15.6	X	116.18245	358.97024	293.78558	14.25371	0.1154607	0.24064406	2.5598781	20	—	—
218922 2007 TA_{361}	15.8	X	140.76225	286.15074	186.27080	9.88585	0.2207374	0.19508705	2.9443115	20	6 20.1	20.9
218923 2007 UE_{1}	15.5	X	355.31601	306.47780	202.11700	15.43205	0.2666826	0.17435148	3.1733572	20	—	—
218924 2007 UF_{104}	16.5	X	215.76474	0.36471	112.35376	3.14392	0.0330596	0.21421033	2.7663626	20	9 11.0	20.2
218925 2007 VV_{92}	15.6	X	74.83258	144.95397	309.95278	9.35623	0.0617339	0.18448687	3.0560403	20	2 25.7	19.8
218926 2007 VA_{242}	16.4	X	46.25438	205.02280	144.20116	8.49744	0.2257437	0.23663031	2.5887442	20	—	—
218927 2007 YL_{16}	16.0	X	355.36870	189.36341	75.85144	3.31767	0.0725093	0.19751360	2.9201470	20	6 13.8	19.5
218928 2008 AJ_{114}	16.9	X	123.93259	149.40016	143.85158	8.60505	0.1422883	0.29906155	2.2146019	20	—	—
218929 2008 BP_{15}	16.3	X	331.50074	70.29694	146.42644	6.33742	0.0844420	0.25080211	2.4902823	20	2 26.1	19.2
218930 2008 BW_{21}	17.5	X	184.79443	279.31903	337.19509	2.03188	0.0554435	0.30293409	2.1956879	20	—	—
218931 2008 BL_{41}	17.3	X	130.79778	252.41232	329.77505	2.19717	0.1070502	0.28546358	2.2843830	20	10 30.0	20.5
218932 2008 CW_{1}	15.9	X	331.08512	324.08661	305.79013	9.17919	0.2111985	0.25811754	2.4430051	20	4 16.4	18.5
218933 2008 CY_{16}	17.2	X	349.97427	137.54790	141.10750	1.88418	0.1551274	0.26166208	2.4208926	20	6 25.3	19.2
218934 2008 CL_{25}	17.4	X	164.63734	267.55625	355.20875	5.48799	0.1322185	0.29744356	2.2226257	20	—	—
218935 2008 CG_{66}	17.0	X	3.47553	230.71192	47.27328	1.75005	0.1659146	0.26655641	2.3911673	20	7 27.8	18.9
218936 2008 CK_{77}	16.4	X	9.62443	152.42848	86.59582	5.44525	0.1222545	0.26030203	2.4293179	20	6 3.0	18.5
218937 2008 CU_{119}	16.2	X	304.22171	352.51094	212.94701	8.93665	0.1144585	0.23834992	2.5762779	20	1 1.2	19.9
218938 2008 CN_{143}	16.6	X	141.03368	156.79012	176.21084	10.81014	0.0314663	0.22333063	2.6905260	20	—	—
218939 2008 CO_{143}	15.8	X	160.65993	255.38768	21.99571	7.67488	0.1929312	0.21086745	2.7955227	20	—	—
218940 2008 CH_{156}	17.0	X	345.56947	235.71290	51.79594	2.45679	0.2048205	0.26113438	2.4241529	20	6 28.1	18.7
218941 2008 CV_{164}	17.3	X	162.08289	281.88677	332.49241	4.04734	0.1210874	0.29641835	2.2277476	20	—	—
218942 2008 CK_{165}	16.4	X	21.08653	342.57730	279.60856	4.24331	0.1212306	0.26470517	2.4023029	20	7 31.5	18.7
218943 2008 DP_{13}	17.4	X	120.37105	133.51897	162.51435	5.00161	0.1501394	0.29768797	2.2214090	20	—	—
218944 2008 DG_{20}	16.8	X	347.08651	194.15604	100.00211	3.14335	0.2069917	0.26435250	2.4044390	20	7 14.9	18.3
218945 2008 DK_{23}	16.4	X	25.72768	275.87409	356.92603	5.95274	0.1587431	0.26910999	2.3760168	20	9 3.3	18.7
218946 2008 DD_{30}	16.8	X	56.24625	135.67769	133.07641	2.89754	0.1951894	0.27317066	2.3524118	20	10 19.2	19.8
218947 2008 DN_{33}	16.0	X	3.55411	292.10790	338.29862	22.76513	0.2065356	0.26329397	2.4108791	20	7 27.9	18.3
218948 2008 DY_{39}	16.4	X	250.61114	243.88744	333.38096	1.19086	0.1495240	0.22384894	2.6863712	20	—	—
218949 2008 DF_{40}	16.4	X	226.74893	70.31320	185.11371	2.14480	0.1514182	0.22359828	2.6883785	20	—	—
218950 2008 DW_{68}	16.4	X	117.02636	170.85415	116.34166	3.32542	0.1898718	0.20404500	2.8574946	20	12 24.5	21.2
218951 2008 DJ_{72}	16.6	X	345.91019	310.72340	331.28234	6.17043	0.1115691	0.26341038	2.4101688	20	6 23.7	19.0
218952 2008 DO_{79}	16.2	X	42.04752	145.38879	74.94551	12.57052	0.0824352	0.26407525	2.4061217	20	6 29.1	19.0
218953 2008 DN_{84}	16.5	X	359.86978	304.38348	2.05873	4.31957	0.1893921	0.26768040	2.3844689	20	9 8.5	18.2
218954 2008 EM_{11}	16.3	X	203.28387	197.69198	66.91061	5.76825	0.1222545	0.22383524	2.6864808	20	—	—
218955 2008 ES_{21}	16.3	X	185.43570	87.95941	174.36621	4.86097	0.1192874	0.21583671	2.7524483	20	—	—
218956 2008 EV_{22}	16.8	X	25.50873	308.26323	339.91102	1.01168	0.1775515	0.27084835	2.3658394	20	9 28.2	19.0
218957 2008 EE_{40}	17.7	X	261.07538	259.09645	314.76655	5.50082	0.0504172	0.30738005	2.1744642	20	—	—
218958 2008 EE_{43}	16.1	X	243.69626	53.14574	166.44985	5.15449	0.1001260	0.22023013	2.7157194	20	—	—
218959 2008 EQ_{68}	14.9	X	305.54690	205.71053	157.03707	28.93421	0.1818046	0.17399771	3.1776571	20	7 22.6	19.2
218960 2008 EQ_{83}	16.1	X	233.30884	333.78866	297.27322	8.15329	0.1613718	0.23317659	2.6142438	20	1 6.8	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
218961 2008 EM_{109}	16.6	X	353.63111	88.61529	168.47843	6.29870	0.0831841	0.25992127	2.4316898	20	6 1.0	19.2
218962 2008 ED_{146}	15.9	X	179.84817	120.35095	169.55224	14.72719	0.1229563	0.22062783	2.7124548	20	—	—
218963 2008 EQ_{146}	16.4	X	244.75664	223.31166	150.80443	7.00420	0.1177663	0.25580343	2.4577166	20	5 29.5	20.0
218964 2008 FP_{22}	16.9	X	295.63822	283.18757	161.62271	7.03373	0.0735051	0.28625129	2.2801902	20	12 5.6	19.4
218965 2008 FV_{22}	15.7	X	27.12340	243.11144	61.21131	7.04268	0.2688148	0.18501674	3.0502027	20	10 22.7	19.4
218966 2008 FV_{26}	16.5	X	41.33177	303.67464	207.35985	3.61988	0.0487690	0.24043789	2.5613412	20	3 16.1	19.6
218967 2008 FB_{28}	15.9	X	118.58233	104.32822	160.84733	9.05912	0.0550003	0.19825796	2.9128333	20	11 25.5	20.3
218968 2008 FS_{29}	16.9	X	346.90679	309.58670	346.07784	2.09694	0.1838266	0.26452879	2.4033707	20	7 17.7	18.7
218969 2008 FH_{33}	17.0	X	115.73501	160.47856	173.75780	6.61582	0.2234932	0.30199732	2.2002261	20	—	—
218970 2008 FM_{38}	15.7	X	91.88735	111.72976	173.91228	10.39931	0.1154488	0.19907178	2.9048893	20	11 26.4	20.3
218971 2008 FG_{42}	16.3	X	271.65033	2.92065	336.54499	1.90330	0.2186365	0.25616442	2.4554071	20	4 28.9	19.9
218972 2008 FH_{52}	15.7	X	19.65477	124.51840	185.61061	14.16617	0.3134303	0.18449165	3.0559875	20	10 25.2	19.2
218973 2008 FW_{57}	16.1	X	147.46949	138.24531	167.55307	4.27536	0.0851974	0.21410219	2.7672940	20	—	—
218974 2008 FF_{60}	16.5	X	68.31747	69.02138	170.42761	11.75019	0.1253963	0.26641737	2.3919992	20	9 11.9	19.5
218975 2008 FX_{85}	17.0	X	291.30008	181.88507	145.25176	3.15119	0.2032603	0.25669372	2.4520306	20	5 11.4	19.9
218976 2008 FT_{101}	16.2	X	138.67617	160.93874	146.28806	6.26824	0.0497785	0.21356286	2.7719511	20	—	—
218977 2008 FD_{117}	17.2	X	107.91034	149.50060	41.51739	1.96095	0.1220638	0.26446052	2.4037843	20	8 25.0	20.6
218978 2008 FQ_{117}	15.8	X	104.23785	64.28352	210.08881	1.35242	0.0468531	0.19901582	2.9054338	20	11 18.5	19.8
218979 2008 FT_{123}	16.8	X	193.86641	193.57364	153.47694	5.75589	0.1419491	0.23241863	2.6199244	20	3 2.5	20.8
218980 2008 FY_{124}	15.7	X	194.61210	188.84461	101.93427	15.43727	0.0757546	0.22356494	2.6886458	20	—	—
218981 2008 FW_{126}	15.9	X	60.53890	230.85169	108.68480	6.90821	0.1349838	0.19927328	2.9029307	20	12 28.1	20.0
218982 2008 GM_{60}	15.9	X	192.59577	194.35304	94.75318	6.39473	0.1346538	0.22106975	2.7088389	20	—	—
218983 2008 GV_{69}	15.5	X	19.95749	136.04692	169.25819	10.88274	0.0809608	0.18317694	3.0705925	20	9 13.7	19.4
218984 2008 GS_{72}	16.7	X	296.09940	160.77716	186.09014	6.27738	0.1346982	0.26172574	2.4205000	20	6 27.2	19.5
218985 2008 GU_{104}	16.5	X	183.78118	230.98672	98.85639	4.77913	0.1550418	0.22813045	2.6526536	20	2 2.9	20.7
218986 2008 GN_{112}	15.3	X	44.18211	101.75687	132.05489	12.35711	0.0400068	0.18114930	3.0934631	20	7 11.1	19.5
218987 Heidenhain	16.1	X	41.35528	115.42127	202.62204	4.27620	0.0643443	0.19554425	2.9397203	20	10 29.8	19.9
218988 2008 HH_{9}	15.2	X	347.64607	200.50964	121.95574	12.10933	0.0616352	0.18149692	3.0895119	20	8 18.9	19.3
218989 2008 HT_{11}	15.4	X	58.14265	29.01289	195.82762	8.98776	0.1226763	0.17870095	3.1216543	20	7 28.1	19.8
218990 2008 HL_{13}	16.6	X	279.89555	154.89169	198.99666	4.79684	0.1274038	0.25831437	2.4417639	20	6 13.8	19.6
218991 2008 HB_{17}	16.2	X	347.24275	42.81615	176.83513	11.73598	0.0670426	0.23908164	2.5710187	20	3 29.3	19.2
218992 2008 HJ_{17}	16.3	X	282.00720	359.28741	224.23036	2.65250	0.0659507	0.23005858	2.6378115	20	1 6.0	19.9
218993 2008 HO_{28}	16.8	X	286.14865	351.38268	245.47683	3.82957	0.1194500	0.23285789	2.6166286	20	1 19.8	20.6
218994 2008 HY_{29}	16.1	X	133.64957	224.99678	131.70680	8.21244	0.1304080	0.21944486	2.7221942	20	1 14.8	20.0
218995 2008 HW_{38}	16.9	X	129.42969	83.90147	209.77891	3.50015	0.1820538	0.21168864	2.7882884	20	—	—
218996 2008 HN_{44}	16.3	X	68.75371	152.75478	187.73970	5.49050	0.0673377	0.20269303	2.8701869	20	12 30.6	20.4
218997 2008 HC_{60}	15.0	X	21.16637	82.69503	178.01200	13.68454	0.1278757	0.17414007	3.1759251	20	7 19.9	19.2
218998 Navi	16.5	X	6.06674	23.51690	185.30363	8.83433	0.1218333	0.24198609	2.5504048	20	4 11.8	19.0
218999 2008 JQ_{9}	16.1	X	176.06742	44.57230	216.16000	5.79606	0.0607567	0.20967764	2.8060881	20	—	—
219000 2008 JW_{17}	15.5	X	332.53504	129.91689	168.57299	12.76726	0.0949246	0.17022476	3.2244395	20	6 21.2	19.8
219001 2008 JX_{20}	15.4	X	301.29705	112.71261	198.55269	6.85616	0.2337220	0.24203094	2.5500897	20	4 28.8	18.5
219002 2008 JE_{39}	16.0	X	33.93320	176.55952	149.25937	10.18987	0.0499116	0.18975817	2.9991791	20	10 29.9	20.2
219003 2008 KR_{11}	15.6	X	223.38705	184.45795	84.41841	11.73223	0.1002349	0.21852835	2.7298002	20	—	—
219004 2008 SR_{50}	15.7	X	329.20144	291.65805	188.10718	5.07980	0.0944516	0.18596413	3.0398344	20	—	—
219005 2008 TM_{81}	15.5	X	197.68744	180.03386	25.73954	4.61992	0.1277205	0.17668492	3.1453554	20	11 26.6	20.5
219006 2008 TD_{111}	16.1	X	254.93567	208.25869	210.21395	13.31792	0.1560266	0.23462620	2.6034648	20	7 29.6	20.1
219007 2008 YX	16.0	X	233.43546	292.35481	96.61708	13.02897	0.3678299	0.22397621	2.6853534	20	5 18.7	21.1
219008 2008 YY_{8}	15.4	X	342.41860	31.51042	87.21633	10.93096	0.1034624	0.17460199	3.1703211	20	—	—
219009 2009 HP_{72}	16.6	X	284.88820	188.87576	76.97917	7.52236	0.1253550	0.25849947	2.4405981	20	2 24.3	20.0
219010 2009 MJ_{8}	17.1	X	173.98574	166.52989	137.43796	2.50595	0.3580774	0.22487440	2.6781982	20	1 4.8	22.0
219011 2734 P–L	16.1	X	325.83942	260.17466	105.77486	2.14259	0.2063316	0.17961887	3.1110100	20	9 2.6	19.2
219012 4762 P–L	14.9	X	352.47864	178.71013	169.24235	9.89947	0.0891143	0.18075339	3.0979786	20	9 29.1	18.7
219013 6253 P–L	16.4	X	169.26467	118.30396	198.56705	4.82853	0.1092835	0.22069699	2.7118882	20	1 1.7	20.6
219014 6768 P–L	17.4	X	14.87281	310.82715	52.43689	2.78047	0.2286743	0.28155675	2.3054662	20	—	—
219015 1531 T–2	18.0	X	90.18188	117.60838	224.69189	1.22939	0.2003248	0.30006375	2.2096680	20	—	—
219016 3191 T–2	16.8	X	344.20285	191.61062	165.78193	9.63574	0.2401040	0.27343200	2.3509126	20	11 6.8	18.6
219017 3156 T–3	16.9	X	218.74716	286.95055	48.20457	4.37937	0.2292109	0.24345446	2.5401394	20	3 9.3	21.3
219018 4219 T–3	17.1	X	24.13440	207.64031	115.30419	3.13081	0.1867245	0.27641801	2.3339515	20	11 18.8	19.7
219019 1981 EP_{8}	15.9	X	262.31695	252.61524	332.59825	10.93496	0.2171793	0.22163720	2.7042133	20	—	—
219020 1981 EH_{32}	15.1	X	124.91730	10.84268	226.25300	10.90204	0.0790339	0.18825965	3.0150734	20	10 26.4	19.7
219021 1991 LH	16.9	X	228.16619	203.79035	281.05050	53.15628	0.7331180	0.62374773	1.3566362	20	7 25.4	20.3
219022 1993 FP_{75}	16.2	X	349.26493	280.09134	211.02047	6.99048	0.1725049	0.21211873	2.7845181	20	—	—
219023 1993 RP_{14}	15.8	X	349.19544	2.04124	3.86243	8.99117	0.2334748	0.18293816	3.0732638	20	10 22.9	18.8
219024 1993 TK_{20}	15.3	X	333.35715	338.17198	30.03798	13.65456	0.1798795	0.18089792	3.0963283	20	9 27.3	18.7
219025 1993 TV_{30}	15.6	X	295.05312	237.46690	191.25814	18.44181	0.2030461	0.18149876	3.0894910	20	9 29.3	19.1
219026 1994 GA_{2}	16.1	X	144.11752	196.24721	135.64700	3.64249	0.0712591	0.21775110	2.7362922	20	—	—
219027 1994 GD_{11}	16.5	X	108.04010	40.46268	18.36344	3.98648	0.0908014	0.22349998	2.6891667	20	2 26.8	20.1
219028 1994 KE	17.4	X	131.98983	344.64148	224.95997	4.15748	0.1732789	0.27754894	2.3276070	20	10 15.1	21.1
219029 1994 RT_{4}	17.1	X	292.94535	302.63765	93.72664	2.28659	0.1943000	0.26348881	2.4096905	20	8 28.6	19.5
219030 1994 TR_{14}	16.4	X	303.13596	89.23680	6.87727	12.11975	0.1600580	0.23176638	2.6248375	20	12 9.5	19.3
219031 1994 WZ_{6}	15.8	X	320.68581	294.60330	127.66173	7.02830	0.1906964	0.18926920	3.0043423	20	11 15.2	19.0
219032 1995 EM_{3}	17.8	X	219.42275	329.35654	290.55733	2.01065	0.1065034	0.30784082	2.1722939	20	—	—
219033 1995 FQ_{1}	15.2	X	328.15031	4.91867	26.92555	5.70805	0.1319886	0.17814301	3.1281689	20	10 15.6	18.9
219034 1995 FZ_{1}	16.0	X	172.30202	63.76025	126.11672	2.88757	0.1258767	0.17739687	3.1369342	20	10 17.6	21.1
219035 1995 FA_{14}	16.4	X	249.20867	277.78269	108.50829	0.83771	0.1777324	0.24479315	2.5308703	20	6 11.2	19.9
219036 1995 GM_{6}	16.0	X	227.51807	46.29732	62.57898	4.89548	0.1574310	0.17509999	3.1643071	20	9 2.5	20.9
219037 1995 OU_{8}	16.3	X	97.43624	250.57841	171.66835	9.36408	0.0393754	0.22089960	2.7102297	20	2 7.3	20.0
219038 1995 SK	16.0	X	63.39750	350.44254	350.58126	23.87165	0.1811821	0.28492875	2.2872407	20	—	—
219039 1995 ST_{19}	17.2	X	291.79472	71.96668	14.12226	3.99540	0.1551005	0.27832531	2.3232766	20	11 20.1	19.1
219040 1995 ST_{34}	16.7	X	42.31265	328.75757	121.38771	0.83595	0.0362215	0.21429189	2.7656607	20	1 2.4	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219041 1995 SZ_{40}	16.4	X	137.04183	281.27098	15.29409	12.82376	0.2219670	0.20947956	2.8078567	20	—	—
219042 1995 SZ_{50}	16.1	X	126.58836	130.53067	210.75331	2.64817	0.1169160	0.21066159	2.7973436	20	—	—
219043 1995 SW_{62}	18.1	X	13.97307	157.24435	148.60569	2.94034	0.2351956	0.27671642	2.3322732	20	10 17.8	20.3
219044 1995 SW_{79}	16.3	X	337.86358	140.48289	347.58505	4.48579	0.1048502	0.21220716	2.7837444	20	—	—
219045 1995 UG_{11}	16.0	X	142.49134	144.77809	205.14543	5.35772	0.0946918	0.21389525	2.7690786	20	1 12.3	20.0
219046 1995 UL_{57}	17.5	X	329.83853	36.28205	346.45843	1.29171	0.2333102	0.27731103	2.3289381	20	11 8.6	18.6
219047 1995 UO_{57}	18.1	X	48.33876	80.40990	198.54227	6.22485	0.1805112	0.27732226	2.3288753	20	10 20.8	20.9
219048 1995 VO_{4}	17.4	X	6.72664	226.32409	162.78726	3.05756	0.2181373	0.28098284	2.3086044	20	—	—
219049 1995 VX_{10}	17.4	X	332.04983	297.55173	84.60496	3.72762	0.2299247	0.27659369	2.3329631	20	11 14.7	18.8
219050 1995 WB_{20}	16.8	X	29.55767	98.44957	185.46823	5.38540	0.1817975	0.27144895	2.3623483	20	9 29.8	19.1
219051 1995 WG_{26}	16.8	X	191.83660	254.26904	287.27535	3.83102	0.0751765	0.27620609	2.3351452	20	11 14.0	20.0
219052 1995 XW_{4}	15.7	X	49.06482	176.33861	206.85206	6.30299	0.1037979	0.20268590	2.8702542	20	—	—
219053 1996 BE_{8}	16.8	X	88.33521	248.82589	286.99477	6.24252	0.0784059	0.25773362	2.4454306	20	7 3.4	19.8
219054 1996 BR_{10}	15.2	X	169.14220	288.87629	272.56677	9.10814	0.0507634	0.18823536	3.0153328	20	10 28.1	19.7
219055 1996 BJ_{12}	15.3	X	126.59976	114.96915	104.90583	6.89927	0.0168563	0.18496861	3.0507318	20	10 7.3	19.7
219056 1996 EM_{15}	17.1	X	226.69072	103.94563	341.79098	3.22832	0.1066607	0.26247321	2.4159024	20	8 14.8	20.3
219057 1996 RA_{30}	12.5	X	324.77353	7.42970	12.53974	12.32243	0.0795061	0.08301424	5.2043638	20	9 14.4	19.1
219058 1996 TJ_{20}	17.2	X	52.09216	47.43572	4.88788	5.14454	0.1233367	0.30053449	2.2073600	20	—	—
219059 1996 TD_{34}	16.5	X	171.13511	10.28010	356.77678	1.32970	0.1397612	0.22613446	2.6682399	20	3 5.8	20.6
219060 1996 TL_{35}	16.3	X	91.43683	349.12344	120.30992	4.18077	0.0969294	0.22824257	2.6517848	20	4 12.2	19.7
219061 1996 TL_{53}	15.8	X	161.78958	57.83891	6.80439	5.67245	0.2075410	0.23236089	2.6203584	20	5 7.9	20.3
219062 1996 VC_{13}	16.6	X	137.38532	60.11962	47.98848	4.23556	0.1215638	0.23086508	2.6316647	20	6 5.1	20.5
219063 1996 XU_{29}	16.5	X	137.96143	30.22675	63.93164	5.74939	0.1006280	0.22909036	2.6452385	20	5 17.4	20.4
219064 1997 CP_{25}	16.9	X	80.48039	271.87691	27.59053	3.05306	0.1898878	0.28143480	2.3061321	20	12 21.4	20.4
219065 1997 EC_{20}	16.2	X	43.64770	198.92364	178.92292	2.12495	0.0684047	0.20108327	2.8854846	20	—	—
219066 1997 EQ_{44}	16.9	X	176.66433	227.75043	326.66635	5.23482	0.1711480	0.27852904	2.3221436	20	11 4.7	20.6
219067 Bossuet	16.8	X	136.26006	103.71742	118.55721	2.38158	0.1857253	0.27169959	2.3608953	20	11 4.7	20.6
219068 1997 TG_{9}	16.4	X	215.27959	96.44515	211.13773	12.42510	0.1684304	0.23640898	2.5903597	20	1 29.8	20.9
219069 1997 TW_{13}	16.6	X	161.18051	97.06170	357.75955	9.77732	0.0970168	0.24744281	2.5127705	20	6 11.6	20.5
219070 1997 TL_{20}	13.2	X	203.34531	309.82896	209.07913	1.04284	0.0421342	0.08224392	5.2368105	20	10 2.9	20.3
219071 1997 US_{9}	17.1	X	157.47662	357.37845	212.21232	20.01755	0.2820184	0.91247667	1.0527410	20	—	—
219072 1997 YW_{9}	15.6	X	201.08506	213.27328	237.27095	8.55495	0.2406208	0.24438921	2.5336582	20	7 11.3	20.0
219073 1997 YR_{15}	16.4	X	148.03630	40.25451	328.41533	1.41457	0.0911672	0.22693489	2.6619621	20	2 9.3	20.3
219074 1998 BQ_{31}	16.6	X	152.46230	54.03890	316.84407	5.33410	0.1375408	0.22605269	2.6688833	20	2 20.3	20.8
219075 1998 BR_{34}	16.5	X	118.52743	109.73005	348.74253	2.34322	0.1241325	0.23292922	2.6160944	20	5 2.3	20.1
219076 1998 DG_{23}	16.2	X	131.56504	136.26494	328.26729	5.84956	0.2180340	0.23438470	2.6052528	20	6 1.6	20.5
219077 1998 FC_{88}	15.4	X	154.13531	286.71016	155.76372	12.41245	0.2691647	0.23378696	2.6096916	20	5 29.9	20.2
219078 1998 GX	16.2	X	124.38942	355.86702	50.17851	3.85759	0.0334686	0.22317123	2.6918070	20	2 23.3	19.8
219079 1998 HE_{14}	16.0	X	349.77277	343.53217	177.92612	9.37810	0.0914267	0.21671678	2.7449916	20	1 13.8	19.5
219080 1998 KF_{5}	17.7	X	285.43947	263.12480	287.24140	2.48358	0.1493621	0.30089258	2.2056083	20	—	—
219081 1998 OT_{9}	16.6	X	4.70196	34.61246	313.60302	3.40899	0.2788657	0.27378811	2.3488737	20	12 8.3	18.9
219082 1998 QO_{47}	15.6	X	338.88534	217.60593	165.36887	6.10711	0.3227730	0.17971445	3.1099069	20	10 30.7	17.9
219083 1998 QU_{57}	16.0	X	231.42396	302.77085	175.13122	9.96405	0.0627193	0.18037886	3.1022655	20	9 27.7	20.5
219084 1998 QK_{59}	16.6	X	342.85108	295.37665	19.78194	1.50975	0.1943724	0.26676160	2.3899410	20	8 11.4	18.0
219085 1998 QT_{77}	14.8	X	308.54906	14.81876	325.70856	16.66316	0.2748228	0.17354956	3.1831251	20	6 12.9	18.9
219086 1998 QZ_{83}	14.7	X	359.44037	148.14039	231.46662	16.27393	0.1967658	0.18403948	3.0609910	20	11 30.2	18.1
219087 1998 QT_{86}	15.2	X	337.47096	193.33495	201.40262	14.19395	0.2767767	0.18150232	3.0894506	20	11 11.5	17.9
219088 1998 QV_{103}	14.5	X	334.24110	328.14991	5.77360	22.46393	0.0683927	0.17543515	3.1602757	20	8 22.3	18.9
219089 1998 QF_{110}	16.9	X	14.40350	287.34235	16.64085	5.35341	0.2366226	0.27150522	2.3620220	20	10 13.1	19.0
219090 1998 RA	15.2	X	65.40035	60.76570	240.04788	5.86737	0.1669220	0.18534139	3.0466398	20	11 18.2	19.5
219091 1998 RF_{3}	16.6	X	1.50242	108.93537	244.60054	11.40516	0.2128771	0.27319390	2.3522784	20	11 29.1	18.7
219092 1998 RN_{21}	16.2	X	239.20113	106.71436	14.56384	1.09734	0.1387567	0.18134250	3.0912656	20	9 30.6	20.6
219093 1998 RK_{74}	16.1	X	18.62086	131.81449	200.32823	6.85014	0.3254349	0.27308923	2.3528794	20	12 14.2	19.1
219094 1998 RN_{79}	14.8	X	336.09440	291.77886	37.71538	10.16558	0.0982646	0.17418639	3.1753619	20	8 11.8	18.9
219095 1998 SB	15.1	X	309.35581	199.66040	202.78737	29.25341	0.2330636	0.17594490	3.1541688	20	9 10.7	19.0
219096 1998 SE_{2}	15.7	X	39.21092	87.40749	231.39032	23.02453	0.2689338	0.27453756	2.3445970	20	12 11.2	19.2
219097 1998 SZ_{3}	17.1	X	294.60399	327.30732	29.22364	2.89783	0.2064242	0.26270583	2.4144761	20	6 27.2	19.7
219098 1998 SK_{5}	15.0	X	196.34115	325.98724	175.36582	19.42509	0.1997090	0.17876968	3.1208541	20	9 6.3	20.3
219099 1998 SP_{8}	17.3	X	279.51568	353.36029	49.85567	0.16999	0.1263950	0.26582150	2.3955725	20	8 25.7	19.9
219100 1998 SZ_{8}	15.1	X	345.82084	34.81031	13.45921	16.42716	0.1181847	0.18389698	3.0625721	20	12 2.4	19.1
219101 1998 SH_{24}	17.0	X	344.69814	236.98336	127.63717	3.13506	0.2290049	0.27132571	2.3630636	20	11 15.2	18.7
219102 1998 SQ_{26}	16.3	X	288.87683	231.37679	189.56073	11.95911	0.2109990	0.26828893	2.3808620	20	9 24.4	18.4
219103 1998 SF_{41}	16.1	X	26.94440	46.14120	266.56385	0.64145	0.0609168	0.17982021	3.1086874	20	9 29.8	20.1
219104 1998 SN_{41}	15.3	X	311.37480	60.14712	359.83949	13.45433	0.0660221	0.18247403	3.0784729	20	10 24.7	19.5
219105 1998 SE_{42}	15.9	X	73.89527	106.65860	176.24594	1.07967	0.1328044	0.18481130	3.0524627	20	11 2.2	20.3
219106 1998 SN_{46}	15.8	X	34.55827	91.10769	210.88900	1.98238	0.0946080	0.17695426	3.1421629	20	9 30.5	19.9
219107 1998 SH_{47}	16.1	X	339.04041	43.02061	9.70736	2.62477	0.0476941	0.18582178	3.0413867	20	11 28.4	20.0
219108 1998 SY_{47}	16.7	X	222.00574	282.43218	207.49931	4.52449	0.1855545	0.26643696	2.3918819	20	9 27.1	20.2
219109 1998 SQ_{67}	16.0	X	0.12638	339.04555	27.30384	13.73804	0.2908821	0.27212138	2.3584550	20	12 28.8	18.8
219110 1998 SV_{70}	16.8	X	282.67836	17.47949	33.21234	5.05885	0.1446047	0.26618485	2.3933919	20	9 10.7	19.2
219111 1998 SP_{73}	14.8	X	33.36308	302.53702	27.08347	17.68562	0.2273339	0.18173044	3.0868647	20	11 18.7	19.0
219112 1998 SW_{77}	16.2	X	279.32612	257.77760	178.28112	8.34064	0.1678308	0.26809553	2.3820068	20	10 8.3	18.4
219113 1998 SF_{85}	15.3	X	309.40803	355.55471	17.05141	11.60492	0.1591001	0.17569163	3.1571994	20	8 20.5	19.2
219114 1998 SM_{86}	17.3	X	346.46446	7.39785	338.84411	1.87229	0.2252409	0.26968384	2.3726450	20	10 16.6	19.0
219115 1998 SU_{102}	15.5	X	312.88762	13.21328	23.22365	5.72571	0.1337919	0.17846327	3.1244254	20	9 26.5	19.3
219116 1998 SA_{105}	15.6	X	343.49722	304.48529	48.44472	5.52231	0.2363908	0.17811678	3.1284760	20	9 24.9	18.6
219117 1998 SB_{111}	14.9	X	329.48214	182.45227	199.70341	10.39226	0.1796770	0.17840884	3.1250607	20	10 2.5	18.2
219118 1998 SB_{112}	15.0	X	356.51763	3.07517	25.51185	10.85481	0.1269078	0.18321445	3.0701734	20	11 26.5	18.9
219119 1998 SO_{120}	15.6	X	321.49491	179.82509	196.63446	4.95987	0.1608859	0.17693184	3.1424283	20	9 9.6	19.1
219120 1998 SR_{120}	16.7	X	292.69661	351.90252	40.72729	3.83886	0.1915614	0.26608201	2.3940086	20	8 24.1	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219121 1998 SB_{155}	16.6	X	333.30429	353.68643	2.63204	7.66525	0.1746605	0.26809448	2.3820130	20	9 26.5	18.4
219122 1998 TR_{7}	15.6	X	334.09614	207.03149	195.77255	14.27754	0.1000626	0.18185298	3.0854779	20	11 11.2	19.5
219123 1998 TX_{15}	16.7	X	22.31731	323.63847	319.51691	1.93906	0.2168061	0.26562131	2.3967760	20	9 20.5	18.9
219124 1998 TS_{27}	15.6	X	301.65059	40.79808	14.28102	10.10141	0.0585695	0.18042262	3.1017638	20	10 9.3	19.5
219125 1998 US_{11}	12.9	X	323.44204	336.70355	64.65454	6.86318	0.0908077	0.08638210	5.0681976	20	10 6.6	19.3
219126 1998 UF_{16}	16.9	X	331.60153	339.11929	61.21177	2.22152	0.2284109	0.26972371	2.3724112	20	12 9.7	18.3
219127 1998 UQ_{19}	15.7	X	321.37015	35.41980	33.02182	18.95774	0.3325647	0.18128919	3.0918715	20	11 8.9	18.0
219128 1998 UW_{22}	15.4	X	275.45582	146.92000	232.65876	23.17505	0.2646645	0.26146279	2.4221226	20	6 18.7	18.9
219129 1998 UK_{31}	16.9	X	316.90505	157.73853	219.09228	2.55922	0.2319498	0.26767658	2.3844916	20	9 15.3	18.4
219130 1998 UH_{39}	15.0	X	303.51321	161.22332	211.24374	19.88186	0.1783696	0.17301579	3.1896685	20	7 26.9	19.5
219131 1998 UY_{41}	14.4	X	4.53699	302.23448	41.71088	16.75365	0.2928354	0.17919638	3.1158979	20	11 3.9	17.5
219132 1998 VP_{6}	16.6	X	298.59793	111.20510	293.00693	4.03813	0.2538589	0.26583918	2.3954663	20	9 9.0	18.4
219133 1998 VU_{25}	14.6	X	350.47442	167.65829	226.35644	16.03715	0.1201498	0.18069419	3.0986552	20	11 25.2	18.4
219134 1998 VG_{41}	15.6	X	238.23636	31.86374	82.58389	1.68101	0.1683648	0.17439929	3.1727772	20	9 17.5	20.4
219135 1998 VL_{42}	16.9	X	129.14081	159.44683	38.40505	3.11445	0.1183725	0.26435252	2.4044389	20	9 25.9	20.5
219136 1998 VC_{47}	17.0	X	149.14088	93.69241	53.52608	2.13322	0.1348327	0.25782044	2.4448815	20	8 10.9	20.6
219137 1998 WO_{8}	16.9	X	283.30279	314.51136	76.99261	3.28631	0.2063591	0.26051567	2.4279896	20	7 31.6	19.4
219138 1998 WW_{14}	14.5	X	11.24909	286.83617	64.40062	21.79697	0.2321704	0.17856731	3.1232116	20	11 18.8	18.0
219139 1998 WM_{24}	13.6	X	249.00613	79.65420	37.53618	3.64958	0.1467997	0.08407819	5.1603657	20	9 24.1	20.7
219140 1998 WO_{39}	13.3	X	282.95282	189.42276	229.37132	1.94664	0.0908336	0.08295693	5.2067607	20	8 31.9	20.0
219141 1998 XZ_{6}	12.7	X	275.92555	9.15146	71.20115	8.84148	0.0305128	0.08350581	5.1839197	20	9 29.8	19.6
219142 1998 XP_{14}	16.6	X	246.75844	340.53029	101.07134	4.77832	0.1754167	0.26182182	2.4199078	20	8 25.8	19.8
219143 1998 XC_{16}	16.1	X	333.68590	38.10536	77.83596	24.57248	0.2050120	0.27529410	2.3402995	20	—	—
219144 1998 XY_{19}	15.1	X	242.80731	344.95006	65.53918	6.55648	0.0379719	0.16680374	3.2683774	20	7 21.3	19.8
219145 1999 BY_{20}	15.2	X	1.48378	243.78229	299.19238	11.15314	0.1994583	0.23744063	2.5828510	20	2 14.6	17.6
219146 1999 FL_{33}	15.7	X	315.39580	33.45499	188.33019	11.02825	0.2056121	0.22958732	2.6414199	20	1 22.8	19.3
219147 1999 HD_{4}	16.1	X	177.30888	354.55018	36.68848	12.27268	0.0807965	0.23254149	2.6190015	20	4 10.5	20.0
219148 1999 JV_{23}	16.1	X	343.56236	174.56270	36.14637	9.85463	0.1833980	0.23090858	2.6313341	20	3 2.6	19.0
219149 1999 PZ_{2}	15.7	X	5.77817	163.56126	300.18975	6.69604	0.1383196	0.20976780	2.8052840	20	—	—
219150 1999 RX_{7}	16.5	X	86.43160	351.33716	7.97125	6.48801	0.1447325	0.29675401	2.2260675	20	—	—
219151 1999 RQ_{13}	15.8	X	59.56056	282.18341	103.25026	4.15474	0.2540353	0.20168633	2.8797298	20	—	—
219152 1999 RA_{41}	16.9	X	64.30578	44.52782	319.98239	26.24358	0.2277976	0.29624998	2.2285917	20	—	—
219153 1999 RK_{107}	16.9	X	84.86190	324.86612	15.03648	3.91663	0.1863681	0.29489386	2.2354188	20	—	—
219154 1999 RZ_{119}	16.6	X	115.35554	10.55637	336.85078	6.49334	0.1939705	0.30170294	2.2016571	20	—	—
219155 1999 RK_{144}	17.3	X	100.65882	138.32174	209.20545	6.34944	0.1612612	0.29883336	2.2157291	20	—	—
219156 1999 RO_{145}	16.8	X	107.35355	152.94138	198.00273	5.23888	0.2075742	0.30028417	2.2085865	20	—	—
219157 1999 RY_{188}	17.4	X	66.73608	345.95638	2.25164	4.78627	0.2306302	0.29397421	2.2400785	20	—	—
219158 1999 RK_{209}	14.8	X	358.91735	157.11313	239.05026	9.96597	0.0943076	0.19318090	2.9636478	20	12 11.6	18.5
219159 1999 RL_{220}	16.9	X	91.84400	15.52328	308.31961	6.50281	0.1422685	0.29495665	2.2351015	20	—	—
219160 1999 RA_{225}	16.7	X	115.44888	12.71095	321.22104	6.75046	0.1927911	0.29893416	2.2152310	20	—	—
219161 1999 RR_{226}	15.2	X	100.98946	106.09719	230.05522	7.38602	0.1664542	0.20247473	2.8722496	20	—	—
219162 1999 RZ_{232}	16.4	X	249.76835	195.99208	89.18545	2.92915	0.2000670	0.31368384	2.1452338	20	1 27.5	19.7
219163 1999 SF_{13}	16.9	X	68.24883	269.34094	85.58822	7.40110	0.2166937	0.29395630	2.2401694	20	—	—
219164 1999 TA_{14}	16.9	X	68.75068	118.24716	252.39495	4.48933	0.1687673	0.29413303	2.2392720	20	—	—
219165 1999 TV_{38}	16.0	X	326.72828	189.52635	227.49651	1.11029	0.2181512	0.19067178	2.9895910	20	11 18.3	18.6
219166 1999 TU_{42}	16.4	X	342.82822	191.25768	224.94922	1.33011	0.1072704	0.19489215	2.9462741	20	12 14.5	20.0
219167 1999 TH_{54}	16.9	X	48.69842	43.99163	5.43584	3.89185	0.1180449	0.29576789	2.2310127	20	—	—
219168 1999 TM_{58}	17.6	X	285.89447	6.27525	108.92538	2.19221	0.1049910	0.28533382	2.2850755	20	12 30.3	19.6
219169 1999 TJ_{59}	17.7	X	71.72074	18.13470	320.93465	2.38135	0.2046439	0.29385507	2.2406839	20	—	—
219170 1999 TA_{69}	16.1	X	54.90453	29.62885	320.58431	1.81876	0.0699602	0.19413816	2.9538977	20	12 25.1	20.3
219171 1999 TL_{76}	16.3	X	62.41696	109.80658	241.88324	0.88713	0.0825956	0.19418622	2.9534103	20	—	—
219172 1999 TU_{78}	17.6	X	350.76832	90.01584	29.37402	3.54634	0.0999491	0.29791506	2.2202800	20	—	—
219173 1999 TN_{120}	15.3	X	342.32720	179.60247	218.38991	7.69861	0.1104683	0.19097120	2.9864652	20	11 19.7	18.8
219174 1999 TJ_{129}	17.0	X	24.24617	69.74294	354.63621	6.81800	0.1467860	0.29566934	2.2315084	20	—	—
219175 1999 TP_{148}	17.0	X	46.67289	44.92557	353.14729	4.40745	0.1332120	0.29486474	2.2355660	20	—	—
219176 1999 TL_{165}	15.6	X	320.04651	143.48706	227.01723	8.32751	0.0781740	0.18526555	3.0474712	20	9 4.2	19.7
219177 1999 TO_{171}	17.1	X	50.06215	332.86192	25.23704	6.79842	0.2186136	0.29081574	2.2562685	20	—	—
219178 1999 TX_{175}	15.0	X	66.21160	104.31240	229.80272	8.89232	0.0788512	0.19285792	2.9669557	20	12 19.3	19.3
219179 1999 TL_{182}	16.6	X	332.19693	96.73139	330.95340	5.60302	0.0810104	0.28908211	2.2652801	20	—	—
219180 1999 TH_{187}	14.9	X	23.22859	134.01791	238.85569	10.79070	0.0403266	0.19270610	2.9685138	20	12 9.2	18.9
219181 1999 TM_{196}	16.9	X	67.72031	330.83439	20.16827	7.78122	0.1713585	0.29119999	2.2542832	20	—	—
219182 1999 TJ_{202}	15.3	X	50.80466	117.63483	238.14118	4.63740	0.1612807	0.19455137	2.9497136	20	—	—
219183 1999 TL_{207}	16.4	X	345.47424	82.35874	329.75728	21.68546	0.2314609	0.28762106	2.2729450	20	—	—
219184 1999 TX_{210}	14.9	X	290.19597	132.89956	337.44427	12.43481	0.2707669	0.18586973	3.0408635	20	10 31.6	18.5
219185 1999 TC_{212}	15.7	X	346.75136	83.76009	355.70509	4.55347	0.0983956	0.19507936	2.9443888	20	—	—
219186 1999 TH_{212}	17.2	X	71.64780	120.71820	228.32583	4.29572	0.1933816	0.29295538	2.2452691	20	—	—
219187 1999 TN_{218}	17.5	X	78.69081	159.51330	214.55121	2.06716	0.1689681	0.29605623	2.2295639	20	—	—
219188 1999 TM_{234}	15.6	X	287.21478	118.16151	237.73427	23.81907	0.2403747	0.27162282	2.3613401	20	6 7.1	18.5
219189 1999 TZ_{287}	17.1	X	60.02110	328.61038	54.96899	3.44351	0.1816405	0.29434557	2.2381939	20	—	—
219190 1999 TY_{300}	16.8	X	74.90752	332.53285	351.75799	5.49850	0.1631407	0.29092424	2.2557075	20	—	—
219191 1999 TL_{316}	16.7	X	62.86579	105.57834	220.56738	1.03502	0.2425736	0.19279892	2.9675610	20	12 25.4	21.4
219192 1999 UE_{7}	16.4	X	301.85630	56.81152	347.71969	22.94921	0.0546178	0.37444257	1.9063936	20	10 25.1	18.6
219193 1999 UO_{10}	15.9	X	324.51501	38.74122	13.57446	23.68115	0.1877417	0.28240881	2.3008266	20	12 5.9	18.4
219194 1999 UG_{27}	16.1	X	38.83858	340.53053	1.16137	11.93300	0.0764122	0.19377734	2.9575634	20	11 22.4	20.3
219195 1999 UT_{29}	17.4	X	49.29803	159.75418	196.23226	7.00596	0.1540897	0.29115165	2.2545327	20	—	—
219196 1999 UU_{34}	17.5	X	82.60525	282.32534	42.59933	3.97840	0.1715392	0.29124800	2.2540355	20	—	—
219197 1999 UM_{40}	16.0	X	330.15817	170.44946	262.35007	3.03784	0.2251813	0.19127115	2.9833422	20	12 18.7	18.6
219198 1999 UA_{44}	15.1	X	11.68298	126.67626	244.71231	8.18680	0.0665066	0.18992758	2.9973953	20	11 24.6	19.1
219199 1999 UE_{46}	17.3	X	72.59734	12.18613	5.59734	5.64049	0.1738170	0.29515362	2.2341070	20	—	—
219200 1999 VH_{3}	18.1	X	106.30727	142.79058	168.94379	1.95068	0.1813606	0.29137912	2.2533592	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219201 1999 VE_{6}	15.3	X	348.64696	337.28184	90.31855	5.78419	0.2601930	0.19124047	2.9836613	20	—	—
219202 1999 VZ_{10}	17.2	X	352.42295	297.48640	113.92231	3.43785	0.2176172	0.28671411	2.2777357	20	—	—
219203 1999 VA_{17}	16.2	X	347.71944	117.96519	287.63095	2.05944	0.0279286	0.19178129	2.9780494	20	12 1.9	20.2
219204 1999 VU_{30}	14.7	X	26.35714	291.38359	58.41302	11.47678	0.1745595	0.18805440	3.0172669	20	12 1.5	18.6
219205 1999 VO_{40}	16.5	X	171.06081	275.90856	27.81278	5.84120	0.1581374	0.29966913	2.2116074	20	—	—
219206 1999 VM_{42}	17.0	X	53.31463	306.68374	21.52630	6.76066	0.1399386	0.28750610	2.2735509	20	12 27.3	20.1
219207 1999 VO_{49}	15.0	X	19.02266	286.37418	29.75666	9.28281	0.1382772	0.18436733	3.0573612	20	10 5.4	18.8
219208 1999 VE_{51}	16.4	X	324.52062	60.22535	6.41117	8.97416	0.0857799	0.28516500	2.2859772	20	12 27.8	18.9
219209 1999 VT_{59}	15.6	X	323.67166	193.39379	219.51839	8.85441	0.0836264	0.18843840	3.0131664	20	11 8.3	19.2
219210 1999 VA_{63}	15.2	X	34.06866	148.49831	220.56359	9.72926	0.1023261	0.19234257	2.9722529	20	12 25.9	19.4
219211 1999 VS_{74}	15.5	X	172.92463	188.76908	33.76724	12.72377	0.0247092	0.19367098	2.9586460	20	11 29.7	19.8
219212 1999 VD_{76}	17.4	X	154.46490	7.45908	196.00643	2.29516	0.0916110	0.27971209	2.3155912	20	10 31.6	20.5
219213 1999 VY_{88}	15.8	X	3.70459	189.02916	46.64075	8.01969	0.0304564	0.21793727	2.7347337	20	5 16.5	19.3
219214 1999 VK_{91}	16.1	X	57.61048	204.89336	204.35806	5.49687	0.2420115	0.20086697	2.8875556	20	—	—
219215 1999 VJ_{101}	16.1	X	25.69706	312.67990	76.68274	2.23479	0.1183698	0.19300091	2.9654901	20	—	—
219216 1999 VZ_{103}	15.2	X	46.07682	236.05364	58.33317	6.88001	0.1592378	0.18431495	3.0579404	20	10 19.6	19.3
219217 1999 VE_{108}	15.1	X	348.56361	300.67136	60.72901	10.76679	0.1360585	0.18395833	3.0618912	20	10 16.5	18.8
219218 1999 VP_{108}	15.8	X	14.83805	112.23073	228.06187	3.57793	0.1895070	0.18555522	3.0442988	20	11 4.3	19.4
219219 1999 VB_{119}	15.9	X	20.60856	337.29537	14.42254	8.77305	0.0932135	0.18982200	2.9985066	20	11 13.4	19.9
219220 1999 VE_{123}	15.8	X	11.03701	304.52798	82.62143	3.01897	0.1019966	0.19055176	2.9908461	20	12 17.8	19.4
219221 1999 VF_{123}	16.3	X	297.89832	268.77986	195.18030	2.33495	0.3206284	0.18860921	3.0113468	20	11 6.5	19.3
219222 1999 VY_{133}	16.1	X	11.18010	85.56653	335.42436	1.02421	0.0916348	0.19519866	2.9431891	20	—	—
219223 1999 VS_{137}	15.9	X	344.43720	329.99346	40.46871	3.09410	0.0885618	0.18431173	3.0579759	20	10 15.9	19.7
219224 1999 VW_{137}	15.4	X	331.78492	344.39011	62.58520	9.97109	0.1460370	0.18630428	3.0361332	20	11 13.8	18.8
219225 1999 VT_{141}	16.0	X	322.78932	50.43921	16.39373	1.77578	0.0604778	0.18953424	3.0015409	20	11 24.7	19.9
219226 1999 VN_{143}	17.4	X	46.02478	292.23327	44.75732	5.53248	0.1681060	0.28590583	2.2820266	20	—	—
219227 1999 VH_{149}	17.4	X	66.11600	276.93298	89.23845	4.00651	0.1299003	0.29135090	2.2535048	20	—	—
219228 1999 VA_{157}	17.2	X	321.85083	169.22825	285.63509	0.74626	0.1861808	0.28556784	2.2838269	20	—	—
219229 1999 VC_{162}	15.7	X	29.05830	93.92448	269.96471	3.69324	0.1949808	0.19144662	2.9815190	20	12 27.0	19.4
219230 1999 VK_{162}	16.6	X	55.80473	285.29325	39.69352	12.64198	0.2604240	0.28795847	2.2711691	20	—	—
219231 1999 VN_{165}	16.7	X	48.05880	333.43619	31.33380	5.86322	0.1566084	0.28950565	2.2630701	20	—	—
219232 1999 VT_{166}	14.8	X	160.88201	307.64114	251.80151	10.38868	0.0341506	0.18455179	3.0553235	20	10 16.0	19.5
219233 1999 VN_{187}	15.2	X	326.96637	352.77186	60.35087	15.26176	0.1935054	0.18804374	3.0173809	20	11 13.9	18.3
219234 1999 VX_{191}	15.8	X	347.60899	265.18630	147.36195	2.43814	0.1336846	0.18997998	2.9968441	20	12 18.0	19.2
219235 1999 VN_{198}	17.1	X	302.47026	279.45819	163.31229	8.32893	0.2633336	0.28317761	2.2966604	20	12 10.6	18.3
219236 1999 VB_{207}	15.2	X	272.08643	208.45779	237.18378	10.13465	0.1116146	0.18539201	3.0460852	20	9 27.7	19.5
219237 1999 VR_{212}	17.8	X	80.77925	112.11460	225.99059	1.19514	0.1970682	0.29110862	2.2547549	20	—	—
219238 1999 WS_{17}	15.5	X	31.82882	177.96476	212.63498	10.81150	0.0921830	0.19650781	2.9301027	20	—	—
219239 1999 WB_{24}	17.6	X	111.47363	14.69010	223.95669	1.85909	0.1844492	0.27914304	2.3187371	20	11 3.3	21.3
219240 1999 XN	16.3	X	46.51793	167.32537	151.35484	1.38829	0.1689869	0.18726719	3.0257166	20	11 19.4	20.4
219241 1999 XW_{29}	15.3	X	340.48478	269.84274	98.30341	12.82994	0.2193966	0.18363160	3.0655220	20	10 16.1	18.6
219242 1999 XJ_{44}	16.7	X	297.09064	215.95633	259.52276	4.30592	0.1977238	0.28534616	2.2850096	20	—	—
219243 1999 XG_{53}	16.7	X	338.90977	322.80142	72.74748	8.15652	0.1167304	0.28245928	2.3005525	20	12 8.7	18.7
219244 1999 XV_{62}	15.1	X	17.52294	140.13893	250.56752	8.89926	0.0864184	0.19047729	2.9916256	20	12 28.4	19.0
219245 1999 XC_{70}	17.4	X	352.78548	195.72327	222.51548	1.49984	0.1971712	0.28624762	2.2802097	20	—	—
219246 1999 XL_{70}	17.3	X	354.75062	305.56184	97.38565	3.73030	0.1681797	0.28495020	2.2871259	20	—	—
219247 1999 XS_{116}	14.9	X	28.27866	83.29305	277.02786	4.03806	0.2437832	0.19110357	2.9850860	20	12 28.7	18.7
219248 1999 XT_{130}	15.3	X	359.13478	59.06154	315.68878	8.55613	0.2620213	0.18733862	3.0249474	20	12 1.8	18.6
219249 1999 XC_{139}	14.7	X	224.55682	351.45735	98.59013	14.53668	0.0797825	0.17316654	3.1878171	20	8 15.7	19.5
219250 1999 XQ_{161}	17.5	X	9.41545	359.89233	52.04726	3.24505	0.1956659	0.28813676	2.2702321	20	—	—
219251 1999 XS_{161}	17.0	X	256.94372	150.16019	326.52438	4.18301	0.1931760	0.27895745	2.3197654	20	10 24.9	19.6
219252 1999 XX_{183}	16.9	X	316.41486	136.13538	315.20518	5.31088	0.1777231	0.28446990	2.2896996	20	—	—
219253 1999 XU_{238}	17.0	X	95.23430	67.24568	290.31092	3.73289	0.2582668	0.29609686	2.2293599	20	—	—
219254 1999 XE_{259}	15.2	X	358.97974	52.08341	289.85591	9.42152	0.0870488	0.17722845	3.1389213	20	9 23.9	19.4
219255 1999 YC_{12}	17.1	X	123.78609	136.29898	208.49260	0.69377	0.0479516	0.24523764	2.5278112	20	—	—
219256 2000 AM_{4}	14.9	X	196.24771	351.23273	125.84324	7.18309	0.0268028	0.17034985	3.2228608	20	8 18.9	19.6
219257 2000 AN_{22}	15.0	X	20.69968	101.12394	295.55235	11.23999	0.2109726	0.19052114	2.9911666	20	—	—
219258 2000 AT_{42}	17.3	X	308.48733	147.12891	299.30873	17.50121	0.1121409	0.37690956	1.8980659	20	—	—
219259 2000 AS_{43}	16.0	X	294.61341	48.20290	2.26503	0.37002	0.0584151	0.17738379	3.1370885	20	9 23.5	20.2
219260 2000 AR_{88}	16.9	X	281.65189	176.14440	289.96065	2.42991	0.1155570	0.27840503	2.3228330	20	12 5.4	19.2
219261 2000 AW_{94}	16.8	X	28.42787	54.59653	340.44140	2.97434	0.1700020	0.28654758	2.2786182	20	—	—
219262 2000 AU_{122}	14.7	X	356.81036	242.30379	127.67147	11.98071	0.2570278	0.18217763	3.0818112	20	11 23.1	18.1
219263 2000 AH_{136}	14.9	X	7.28179	52.19297	297.22745	8.35767	0.0845295	0.18005577	3.1059755	20	10 17.4	19.1
219264 2000 AU_{155}	14.9	X	212.25690	155.62419	276.78495	17.09599	0.1473643	0.17068371	3.2186568	20	7 2.7	19.9
219265 2000 AK_{158}	15.7	X	332.88657	22.64466	58.55524	2.38461	0.2218890	0.18814065	3.0163446	20	—	—
219266 2000 AC_{164}	17.0	X	293.62124	193.68637	265.55842	2.82830	0.1817401	0.27958457	2.3162953	20	12 14.9	18.7
219267 2000 AR_{175}	15.2	X	271.68863	206.99955	241.05830	11.76413	0.2324731	0.18148618	3.0896339	20	9 9.6	19.6
219268 2000 AY_{195}	14.5	X	315.72277	144.89156	274.59171	14.35714	0.1600695	0.18130111	3.0917360	20	10 24.2	18.4
219269 2000 AH_{201}	15.1	X	276.45096	274.79288	179.61647	14.54428	0.2022703	0.18185773	3.0854241	20	10 5.6	19.1
219270 2000 AL_{207}	17.1	X	297.12659	150.70339	309.38751	2.33746	0.1261838	0.27922053	2.3183081	20	12 25.9	19.2
219271 2000 AO_{210}	16.0	X	214.64245	146.54449	341.28280	1.72848	0.1326589	0.17635565	3.1492693	20	9 12.4	20.8
219272 2000 AU_{235}	16.2	X	258.14235	344.02622	141.41751	1.01422	0.1808079	0.18140246	3.0905843	20	10 22.6	20.4
219273 2000 AS_{244}	16.2	X	184.20795	339.88444	205.14336	6.98113	0.2163194	0.27220856	2.3579515	20	10 29.4	19.8
219274 2000 BZ_{3}	15.6	X	267.45032	151.11523	333.99487	4.47768	0.2047415	0.18118547	3.0930514	20	10 28.4	19.7
219275 2000 BL_{11}	17.2	X	27.54934	79.47019	289.50563	5.64596	0.2781511	0.28479280	2.2879685	20	—	—
219276 2000 BL_{17}	17.0	X	244.91885	71.20660	65.63381	3.31790	0.1469387	0.27704259	2.3304423	20	11 13.9	19.7
219277 2000 BO_{39}	16.9	X	320.26388	107.42638	294.93418	1.85230	0.0357366	0.27471566	2.3435836	20	11 9.3	19.4
219278 2000 CD_{43}	16.8	X	271.24507	255.57869	202.72417	3.85899	0.1147810	0.27497670	2.3421001	20	11 5.4	19.3
219279 2000 CX_{58}	16.7	X	96.65963	330.00708	278.00627	19.01904	0.1172663	0.36688489	1.9324852	20	11 8.0	19.5
219280 2000 CY_{67}	17.3	X	206.54297	259.95640	230.61718	0.64437	0.1350956	0.27014368	2.3699518	20	9 17.5	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219281 2000 CO_{69}	15.9	X	297.61973	71.23572	316.89405	7.51425	0.2018871	0.17326778	3.1865752	20	8 9.7	19.6
219282 2000 CN_{79}	16.2	X	198.39622	297.32314	169.38936	0.63498	0.1184938	0.16837285	3.2480397	20	8 1.9	21.2
219283 2000 CD_{92}	16.1	X	175.16131	160.49374	343.94250	11.47027	0.1841592	0.26543615	2.3978904	20	9 1.3	19.8
219284 2000 CK_{96}	17.1	X	265.54879	46.55762	96.99513	0.54307	0.1482257	0.27996052	2.3142211	20	12 28.4	19.0
219285 2000 CL_{101}	16.2	X	247.03113	246.18549	200.97078	0.35875	0.1398718	0.17421609	3.1750011	20	8 27.2	20.9
219286 2000 CG_{110}	16.8	X	297.69080	45.65079	326.10431	5.33908	0.1384699	0.26634968	2.3924045	20	8 8.1	19.3
219287 2000 CG_{116}	15.5	X	193.02807	49.67193	107.11189	3.21885	0.1130852	0.17470789	3.1690399	20	9 28.7	20.4
219288 2000 CX_{117}	16.2	X	43.43757	231.47140	134.81582	8.13989	0.2682981	0.28438443	2.2901583	20	—	—
219289 2000 CG_{127}	15.6	X	206.86949	194.99378	307.05692	3.76111	0.0924980	0.17557163	3.1586377	20	9 23.5	20.4
219290 2000 CA_{137}	17.1	X	189.35927	25.15941	124.99618	4.16801	0.1534983	0.27079128	2.3661718	20	9 25.6	20.7
219291 2000 CL_{139}	17.3	X	356.07518	270.56798	129.98099	4.94431	0.0897794	0.28005459	2.3137029	20	—	—
219292 2000 DT	16.2	X	244.71339	133.90642	351.75096	23.69172	0.2701452	0.27407329	2.3472440	20	10 1.1	19.5
219293 2000 DR_{28}	16.8	X	188.61768	248.17217	277.84720	0.55185	0.1241917	0.27033316	2.3688442	20	10 15.7	20.3
219294 2000 DO_{30}	15.3	X	278.60110	252.30204	175.41352	5.23753	0.1552763	0.17499173	3.1656121	20	9 9.0	19.3
219295 2000 DP_{30}	16.5	X	319.09270	107.37209	322.71494	7.62225	0.2189735	0.27849343	2.3223415	20	—	—
219296 2000 DJ_{35}	16.7	X	112.79288	69.24678	130.78948	1.99659	0.1308972	0.26334532	2.4105657	20	9 11.7	20.1
219297 2000 DK_{36}	15.8	X	178.45681	22.35707	139.29677	2.40524	0.1486898	0.17142154	3.2094143	20	9 17.9	21.1
219298 2000 DT_{47}	16.7	X	47.34477	238.79900	340.97756	5.25365	0.1587304	0.25586181	2.4573427	20	7 20.8	19.4
219299 2000 DZ_{51}	17.0	X	130.35570	27.74869	147.51448	2.50489	0.1395811	0.26254809	2.4154431	20	8 28.4	20.7
219300 2000 DB_{61}	16.8	X	159.29820	26.25331	136.56933	2.90510	0.1461459	0.26510208	2.3999045	20	9 10.9	20.4
219301 2000 DP_{70}	16.9	X	64.86597	224.70547	352.24132	2.08532	0.1481220	0.25723151	2.4486118	20	8 9.9	19.8
219302 2000 DW_{79}	16.8	X	269.84859	116.21524	344.22741	6.31275	0.1776105	0.27563732	2.3383564	20	10 23.9	19.2
219303 2000 DG_{87}	15.0	X	283.18315	272.63351	134.52771	25.98492	0.2346608	0.17396654	3.1780366	20	8 7.9	19.3
219304 2000 DR_{95}	16.3	X	189.62874	137.42748	354.82588	6.98574	0.1524231	0.26690275	2.3890983	20	9 1.5	19.8
219305 2000 DM_{105}	16.2	X	151.91755	136.52645	39.82068	4.64575	0.0924914	0.26533767	2.3984837	20	9 22.5	19.6
219306 2000 DM_{107}	16.9	X	255.05789	4.09873	109.82830	4.61762	0.1911129	0.27339513	2.3511240	20	10 21.7	19.5
219307 2000 DN_{112}	17.3	X	137.35938	25.51810	148.71804	0.79332	0.2454452	0.26287365	2.4134484	20	9 6.2	21.5
219308 2000 EH_{2}	16.1	X	258.89665	288.32394	153.63060	1.23056	0.2388409	0.17491003	3.1665978	20	8 21.3	20.6
219309 2000 ED_{3}	17.3	X	186.69102	339.16383	151.21515	1.92513	0.1217042	0.26498054	2.4006383	20	8 27.5	20.9
219310 2000 EJ_{27}	16.6	X	62.97703	40.18093	187.87347	4.37113	0.1562203	0.25818961	2.4425504	20	8 22.5	19.7
219311 2000 EC_{53}	17.5	X	3.97309	301.07001	345.69247	0.86915	0.1657524	0.25774232	2.4453755	20	8 10.8	19.4
219312 2000 EF_{64}	16.6	X	205.39560	281.80145	172.91301	10.99016	0.1535990	0.26218394	2.4176791	20	7 26.4	20.5
219313 2000 EJ_{71}	15.4	X	276.79816	299.28823	147.37760	5.41991	0.1721865	0.17792724	3.1306974	20	9 30.7	19.4
219314 2000 EO_{115}	17.4	X	269.83969	131.17519	336.58231	1.74776	0.1337135	0.27382169	2.3486817	20	11 12.5	19.8
219315 2000 ET_{118}	15.3	X	311.38563	92.95527	355.27551	23.39541	0.2945210	0.28053162	2.3110792	20	—	—
219316 2000 EH_{194}	15.1	X	228.46422	299.03079	159.71174	5.61736	0.1028189	0.16906516	3.2391667	20	8 24.6	19.9
219317 2000 FZ_{7}	17.2	X	198.77559	315.28770	178.24515	1.89653	0.1674542	0.26542521	2.3979563	20	9 9.8	20.7
219318 2000 FB_{9}	17.6	X	181.41294	250.25532	261.89677	0.59485	0.1297427	0.26388186	2.4072971	20	9 18.6	21.0
219319 2000 FH_{10}	18.3	X	4.40146	354.97973	7.13319	9.84160	0.1138760	0.46310645	1.6545586	20	—	—
219320 2000 FT_{26}	16.8	X	88.67689	29.98281	179.65030	2.68229	0.1467022	0.25823119	2.4422883	20	8 28.7	20.3
219321 2000 FA_{28}	16.7	X	242.41748	250.90041	242.20601	1.51251	0.1500921	0.27139075	2.3626861	20	11 2.6	19.5
219322 2000 FF_{74}	17.4	X	254.68278	279.31335	166.02525	1.27271	0.1414255	0.26586678	2.3953004	20	9 14.9	20.3
219323 2000 GC	16.8	X	269.91371	285.22739	14.37595	16.97331	0.2361933	0.24302474	2.5431329	20	3 12.2	20.8
219324 2000 GT_{154}	16.8	X	286.74836	284.92930	322.14764	4.58185	0.2287227	0.23924965	2.5698149	20	1 20.7	20.8
219325 2000 HR_{8}	15.6	X	117.64662	130.67342	52.00957	5.70894	0.1780357	0.25784437	2.4447302	20	8 30.2	19.4
219326 2000 HP_{68}	16.4	X	190.62088	94.53861	50.78389	8.35152	0.1399848	0.26269174	2.4145624	20	9 23.0	20.1
219327 2000 HY_{78}	15.8	X	291.96442	145.28213	109.22393	13.31144	0.2144911	0.24023168	2.5628068	20	2 6.7	19.6
219328 2000 JR_{22}	16.5	X	95.84417	149.06850	44.06344	2.67996	0.1537788	0.25486647	2.4637365	20	8 17.0	20.1
219329 2000 JR_{25}	16.2	X	349.58467	307.77145	278.62612	7.20546	0.1620690	0.24477227	2.5310141	20	3 27.7	18.9
219330 2000 KO_{1}	15.8	X	209.35044	109.71472	192.86920	30.42820	0.3891764	0.22844492	2.6502187	20	1 19.4	21.6
219331 2000 KA_{44}	17.0	X	140.99201	129.63723	48.05879	2.90389	0.1308833	0.25995130	2.4315025	20	9 12.1	20.6
219332 2000 LA_{3}	15.7	X	192.38781	163.51107	138.10726	16.19007	0.3573827	0.22433991	2.6824503	20	1 12.8	20.9
219333 2000 NP_{29}	16.0	X	221.78645	139.38660	158.11255	13.49426	0.1515682	0.22760387	2.6567434	20	1 27.2	20.4
219334 2000 OT_{8}	15.3	X	200.68424	12.55110	313.20854	13.42373	0.2745589	0.22748891	2.6576385	20	2 11.8	20.0
219335 2000 OB_{40}	15.6	X	279.87027	342.94038	288.48405	11.98652	0.1642750	0.23253578	2.6190444	20	2 15.8	19.6
219336 2000 OL_{60}	15.9	X	206.74563	219.46760	145.13902	3.93267	0.2444955	0.23148136	2.6269917	20	4 3.8	20.4
219337 2000 PD_{26}	15.1	X	122.37964	130.65611	263.99187	20.81449	0.0849795	0.22234287	2.6984885	20	2 2.9	19.2
219338 2000 QZ_{14}	16.1	X	263.90861	289.24647	333.92182	12.55151	0.1810244	0.22951202	2.6419977	20	1 26.4	20.3
219339 2000 QP_{23}	16.1	X	109.23066	249.01547	139.65398	15.58163	0.2461464	0.21945986	2.7220702	20	2 11.2	19.7
219340 2000 QM_{34}	15.5	X	189.32519	8.39893	345.45425	28.83452	0.1079665	0.22834171	2.6510172	20	3 5.9	19.5
219341 2000 QY_{46}	15.9	X	199.77984	292.94388	337.24034	11.33268	0.2303957	0.22132161	2.7067834	20	—	—
219342 2000 QC_{61}	15.9	X	198.81939	295.75980	355.95822	15.95520	0.2028067	0.22340225	2.6899509	20	1 5.8	20.7
219343 2000 QR_{111}	16.0	X	147.66576	53.73106	347.62116	6.77072	0.1790600	0.22597107	2.6695260	20	3 26.5	20.2
219344 2000 QD_{139}	15.8	X	176.35405	335.63351	357.54523	14.56939	0.2063285	0.22197596	2.7014613	20	2 7.4	20.5
219345 2000 QZ_{153}	15.3	X	131.18747	148.68499	265.40413	9.58780	0.1920338	0.22681806	2.6628761	20	3 24.1	19.6
219346 2000 QW_{155}	15.9	X	120.43899	96.67293	293.60163	10.82649	0.1761050	0.22191710	2.7019389	20	2 13.0	19.8
219347 2000 QW_{163}	15.7	X	128.91408	139.15164	236.19548	7.18777	0.1279920	0.22283321	2.6945285	20	1 29.5	19.7
219348 2000 QU_{189}	15.3	X	142.05829	293.16844	9.84275	10.16462	0.2030053	0.21602363	2.7508603	20	—	—
219349 2000 QY_{194}	15.7	X	189.84490	30.09250	319.22722	14.00639	0.2158680	0.22853981	2.6494850	20	2 28.5	20.4
219350 2000 QL_{228}	15.9	X	184.03250	64.64855	287.96835	5.01238	0.0348401	0.22604159	2.6689708	20	2 23.7	19.6
219351 2000 QB_{229}	15.9	X	179.90508	121.32517	163.59390	12.76415	0.1995460	0.21858719	2.7293103	20	—	—
219352 2000 RK_{19}	15.3	X	193.12790	57.41571	252.88854	6.39716	0.2737990	0.22333535	2.6904880	20	1 20.3	20.3
219353 2000 RM_{29}	15.7	X	125.54732	53.12380	323.75250	12.82105	0.1199897	0.21929847	2.7234055	20	1 31.0	19.6
219354 2000 RJ_{35}	15.8	X	120.64242	26.83884	323.21216	12.59052	0.0868205	0.21546909	2.7555781	20	—	—
219355 2000 RW_{42}	15.8	X	105.10268	348.13339	335.51495	12.71281	0.2213659	0.21012046	2.8021443	20	—	—
219356 2000 RV_{44}	15.7	X	119.15365	32.61868	331.39789	7.31156	0.2236826	0.21607691	2.7504081	20	1 21.7	19.8
219357 2000 RW_{49}	15.8	X	143.29566	146.93773	206.32351	15.44704	0.3430801	0.21800437	2.7341725	20	2 4.9	20.9
219358 2000 RA_{79}	16.7	X	84.92975	31.15812	353.26345	5.81550	0.3997311	0.21313900	2.7756248	20	2 1.6	20.1
219359 2000 RG_{80}	15.7	X	179.72805	75.28594	311.69905	14.22618	0.0527476	0.22959164	2.6413868	20	3 27.7	19.8
219360 2000 RB_{83}	15.5	X	35.13855	173.02839	286.64840	6.39126	0.3001551	0.21452264	2.7636770	20	1 9.7	17.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219361 2000 RW_{89}	16.6	X	128.89118	109.59331	226.16161	2.89839	0.2178635	0.21633488	2.7482212	20	—	—
219362 2000 RM_{96}	16.1	X	183.21252	339.93596	313.60697	5.70756	0.0350225	0.21747209	2.7386321	20	—	—
219363 2000 RD_{99}	16.1	X	170.21438	105.05922	243.04137	10.37090	0.2045561	0.22315489	2.6919384	20	2 10.5	20.9
219364 2000 SG_{2}	15.9	X	252.16787	280.13258	49.22740	8.07996	0.2108560	0.23417764	2.6067883	20	4 1.9	20.0
219365 2000 SC_{10}	15.9	X	71.73276	12.86720	32.51832	8.77859	0.1775182	0.21462312	2.7628144	20	1 1.9	19.1
219366 2000 SU_{12}	15.9	X	107.59193	265.24218	71.47560	16.28306	0.3016991	0.21292910	2.7774486	20	—	—
219367 2000 SD_{15}	16.1	X	89.02565	77.57974	309.01210	11.28476	0.1501325	0.21543961	2.7558295	20	1 1.0	19.6
219368 2000 SO_{20}	15.5	X	65.41570	232.40119	223.65178	14.77973	0.2355433	0.21694741	2.7430458	20	3 1.4	18.9
219369 2000 SU_{21}	16.0	X	164.42735	175.43831	187.33354	19.84411	0.3206761	0.22327301	2.6909888	20	3 1.3	21.1
219370 2000 SS_{38}	15.8	X	84.23248	316.92408	30.18597	11.92832	0.2646721	0.21017311	2.8016763	20	—	—
219371 2000 SR_{40}	15.6	X	186.37243	348.32613	302.11215	7.88019	0.2683512	0.21821870	2.7323819	20	—	—
219372 2000 SB_{42}	15.9	X	151.12626	102.82048	247.24859	7.86756	0.1778302	0.21866460	2.7286661	20	1 27.6	20.3
219373 2000 SR_{45}	15.5	X	195.88716	117.78707	237.14399	11.13131	0.2958920	0.22878491	2.6475924	20	3 9.8	20.6
219374 2000 SR_{48}	15.6	X	142.44439	212.67371	186.76180	14.70022	0.1811948	0.22491301	2.6778916	20	3 20.3	19.9
219375 2000 SH_{49}	16.0	X	138.20605	61.87955	287.17646	5.36585	0.0736427	0.21855913	2.7295439	20	1 4.1	19.7
219376 2000 SB_{51}	15.8	X	105.03100	103.35278	310.26726	9.41905	0.0813025	0.22073460	2.7115801	20	2 12.6	19.3
219377 2000 SS_{61}	16.3	X	156.16977	166.30094	176.16863	9.48190	0.1653158	0.21979235	2.7193243	20	1 22.9	20.6
219378 2000 SX_{63}	15.8	X	102.50269	196.92636	191.39242	8.44736	0.0647211	0.21720368	2.7408878	20	1 6.7	19.6
219379 2000 SX_{76}	16.1	X	176.85348	119.25583	216.47956	3.43022	0.0858525	0.22205053	2.7008565	20	1 29.8	20.2
219380 2000 SB_{78}	15.8	X	189.00079	81.03139	193.71763	8.62854	0.1999478	0.21731836	2.7399235	20	—	—
219381 2000 SQ_{78}	15.8	X	135.91372	201.56111	164.81154	7.91702	0.0608929	0.21888476	2.7268361	20	1 19.9	19.7
219382 2000 SU_{89}	16.3	X	130.63814	340.85059	357.17193	4.93360	0.0398628	0.21517489	2.7580893	20	—	—
219383 2000 SB_{93}	15.8	X	117.01211	180.69158	203.92819	15.78506	0.2357909	0.21920270	2.7241987	20	2 8.7	20.2
219384 2000 SE_{100}	15.6	X	90.19796	56.97297	315.72205	10.50935	0.2459664	0.21244834	2.7816372	20	—	—
219385 2000 SW_{101}	15.9	X	37.92247	214.61439	201.21391	8.27266	0.1156468	0.21115938	2.7929455	20	—	—
219386 2000 SD_{113}	15.5	X	160.12837	274.11650	21.76413	9.15902	0.2923381	0.21559116	2.7545379	20	—	—
219387 2000 SC_{130}	16.1	X	138.14003	104.75539	292.37607	11.55710	0.2714466	0.22320413	2.6915424	20	3 15.6	20.8
219388 2000 SC_{134}	15.7	X	68.32068	125.68684	312.77097	8.49391	0.1298180	0.21814767	2.7329751	20	2 1.8	18.7
219389 2000 SL_{139}	16.0	X	163.95665	335.65603	324.50901	6.25768	0.2842112	0.21681127	2.7441941	20	—	—
219390 2000 SU_{141}	15.8	X	111.42083	181.47750	232.04804	13.84325	0.2587561	0.21878303	2.7276813	20	3 11.3	20.2
219391 2000 SV_{143}	15.5	X	77.61373	91.32064	13.76414	11.43373	0.0972083	0.22288027	2.6941491	20	3 18.9	18.9
219392 2000 SY_{151}	15.4	X	160.26194	316.15787	28.34913	13.82015	0.1626379	0.21884079	2.7272013	20	2 5.1	19.9
219393 2000 SZ_{155}	15.4	X	74.73158	41.14730	4.33686	8.99504	0.1680384	0.21358071	2.7717967	20	1 7.1	18.7
219394 2000 SA_{165}	15.5	X	51.59428	143.73038	274.72299	10.68570	0.1510566	0.21329894	2.7742372	20	—	—
219395 2000 SS_{167}	15.6	X	141.13478	109.97756	238.55938	6.09751	0.2393310	0.21766552	2.7370094	20	1 23.1	20.0
219396 2000 SP_{173}	15.2	X	203.93208	75.84110	248.76533	13.87731	0.1078660	0.22345502	2.6895274	20	2 8.3	19.7
219397 2000 SP_{175}	15.9	X	165.75121	15.73368	314.32058	7.66074	0.1971413	0.21806974	2.7336261	20	1 21.6	20.4
219398 2000 SD_{180}	15.4	X	157.73041	102.83807	249.98162	10.41654	0.1140042	0.21897592	2.7260792	20	1 30.7	19.7
219399 2000 SX_{182}	16.3	X	135.72247	149.28038	194.70256	12.25994	0.1954482	0.21879398	2.7275903	20	1 7.9	20.6
219400 2000 ST_{191}	15.9	X	276.35018	221.69059	357.19253	9.05559	0.0627688	0.21936249	2.7228756	20	—	—
219401 2000 SN_{197}	16.3	X	120.14536	328.44109	18.73543	4.61624	0.1672632	0.21572188	2.7534250	20	—	—
219402 2000 ST_{207}	16.9	X	141.68343	273.90885	38.27337	3.52813	0.3173227	0.21504825	2.7591720	20	—	—
219403 2000 SV_{208}	16.3	X	97.91527	238.21648	157.63549	10.38689	0.2876584	0.21639275	2.7477312	20	2 12.3	20.0
219404 2000 SC_{209}	15.8	X	103.55671	319.84240	40.66677	10.39639	0.2599516	0.21409709	2.7673380	20	1 4.1	19.6
219405 2000 SC_{214}	15.8	X	166.85291	87.26511	185.24707	11.94432	0.1962611	0.21451625	2.7637320	20	—	—
219406 2000 SO_{220}	16.2	X	133.90552	187.71184	161.27717	10.88575	0.2562184	0.21630049	2.7485125	20	1 19.4	20.7
219407 2000 SL_{230}	15.5	X	108.76001	312.90358	35.00087	12.37376	0.1024590	0.21111766	2.7933134	20	—	—
219408 2000 SF_{237}	15.4	X	182.28403	327.38921	11.71009	14.82155	0.0298930	0.22096989	2.7096549	20	2 13.5	19.4
219409 2000 SS_{243}	15.7	X	93.26092	4.67528	23.50015	9.26180	0.2161519	0.21631350	2.7484023	20	1 20.4	19.3
219410 2000 SC_{260}	15.6	X	93.83829	300.67015	48.28015	8.35189	0.2353366	0.20994302	2.8037229	20	—	—
219411 2000 SZ_{260}	15.8	X	100.56700	3.20778	46.83311	15.38699	0.1946132	0.21624358	2.7489947	20	2 29.2	19.9
219412 2000 SZ_{261}	15.9	X	92.43815	37.19969	14.74337	9.55797	0.1824885	0.21636099	2.7480001	20	2 14.8	19.5
219413 2000 SB_{272}	15.8	X	347.01559	37.99850	278.12984	12.72068	0.1793327	0.24382580	2.5375598	20	8 11.9	18.2
219414 2000 SK_{279}	15.6	X	133.78180	165.66482	221.02416	9.72478	0.3043726	0.21846504	2.7303276	20	3 5.4	20.3
219415 2000 SH_{296}	16.1	X	253.28040	137.08078	206.62139	13.04245	0.0317226	0.23244332	2.6197389	20	5 10.1	19.7
219416 2000 SG_{306}	16.2	X	92.12983	89.02726	326.29129	7.91608	0.2329901	0.21714251	2.7414025	20	2 21.8	19.6
219417 2000 SJ_{309}	15.2	X	62.41609	6.79349	36.59386	18.72771	0.1617184	0.20919523	2.8104004	20	—	—
219418 2000 SE_{314}	15.9	X	182.35063	45.66446	250.11687	13.43920	0.1833019	0.22024890	2.7155651	20	—	—
219419 2000 SC_{315}	15.7	X	139.18427	42.65707	322.93486	14.02134	0.1502457	0.21904432	2.7255117	20	2 4.3	19.7
219420 2000 SC_{319}	15.7	X	64.44836	127.52999	299.46729	11.18515	0.2048133	0.21270067	2.7794369	20	1 21.9	18.7
219421 2000 SE_{327}	15.8	X	177.49144	286.22425	52.97456	13.00899	0.2219894	0.22330829	2.6907054	20	2 16.5	20.6
219422 2000 SY_{335}	16.2	X	199.95316	0.76899	63.47507	5.65189	0.1593142	0.23282525	2.6168731	20	6 11.5	20.3
219423 2000 SO_{349}	16.0	X	149.90896	283.35241	32.29651	16.49286	0.2946721	0.21826016	2.7320359	20	—	—
219424 2000 SC_{351}	15.8	X	122.37267	254.72758	121.08898	14.03691	0.2030651	0.21831260	2.7315984	20	2 4.9	19.8
219425 2000 SN_{358}	16.4	X	84.17724	354.80623	61.26197	2.53034	0.2176570	0.21653678	2.7465126	20	2 11.1	19.6
219426 2000 SL_{368}	15.7	X	91.29342	85.54581	290.09304	11.60743	0.2266628	0.21247266	2.7814250	20	1 1.9	19.2
219427 2000 SD_{369}	15.8	X	134.64406	13.68825	315.25251	7.15700	0.2185864	0.21283202	2.7782932	20	—	—
219428 2000 TN_{23}	16.6	X	193.01590	326.21073	344.13366	2.05335	0.2140428	0.22090010	2.7102256	20	1 20.9	21.3
219429 2000 TH_{28}	16.3	X	104.72002	94.11750	328.33781	3.11194	0.1380257	0.22018811	2.7160649	20	3 3.5	19.8
219430 2000 TX_{44}	16.0	X	103.90285	300.47048	98.05632	7.85532	0.2902144	0.21766891	2.7369810	20	2 26.2	20.0
219431 2000 TZ_{58}	15.5	X	107.26946	248.95836	98.10605	10.48606	0.1872218	0.21221204	2.7837017	20	—	—
219432 2000 TH_{65}	16.4	X	74.14710	11.74876	11.80694	5.05715	0.0757952	0.21104444	2.7939595	20	—	—
219433 2000 UA_{18}	15.9	X	155.22824	263.39462	73.17500	9.82817	0.1686848	0.21680693	2.7442306	20	1 18.4	20.3
219434 2000 UG_{22}	15.9	X	112.16343	334.75245	65.05496	6.31345	0.1655700	0.21707540	2.7419675	20	2 20.6	19.8
219435 2000 UH_{41}	15.9	X	107.17035	165.27072	231.44100	7.47175	0.2286584	0.21569810	2.7536274	20	2 13.6	19.9
219436 2000 US_{51}	16.0	X	46.51774	25.88774	76.09378	5.19900	0.1738610	0.21363177	2.7713550	20	2 3.2	18.8
219437 2000 UC_{62}	15.9	X	91.39174	120.82516	263.54924	4.28098	0.0742987	0.21256265	2.7806399	20	—	—
219438 2000 UM_{64}	16.3	X	62.15206	75.72044	324.85595	5.18040	0.1237363	0.21105562	2.7938609	20	—	—
219439 2000 UZ_{67}	16.0	X	115.84333	9.68083	348.41460	3.92295	0.0805480	0.21247624	2.7813937	20	—	—
219440 2000 UV_{69}	16.6	X	85.52402	36.61119	2.91227	4.80631	0.1906477	0.21318956	2.7751860	20	1 19.3	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219441 2000 UH_{80}	15.9	X	177.23992	358.12409	49.09654	5.84464	0.2897977	0.22539934	2.6740383	20	5 2.4	20.6
219442 2000 UB_{94}	15.7	X	119.21210	131.81381	247.49019	7.45578	0.2011440	0.21610361	2.7501815	20	2 2.5	19.8
219443 2000 UG_{97}	15.6	X	59.12682	139.59667	282.76659	4.21207	0.2174442	0.21110169	2.7934543	20	1 7.5	18.3
219444 2000 UY_{104}	15.8	X	260.36122	72.72574	236.17699	7.81086	0.1285091	0.22774391	2.6556543	20	3 18.1	19.9
219445 2000 VQ_{23}	16.1	X	45.18188	47.43871	21.09652	2.58477	0.2294382	0.20968540	2.8060188	20	—	—
219446 2000 VM_{24}	15.4	X	197.49407	105.89388	223.70011	5.97204	0.1650219	0.22012025	2.7166231	20	2 12.5	19.9
219447 2000 VN_{25}	15.7	X	206.63412	64.72837	222.91378	7.66688	0.0940285	0.21518698	2.7579860	20	1 3.6	20.0
219448 2000 WN	16.0	X	38.98214	294.09089	147.48050	8.05697	0.2067121	0.21077511	2.7963391	20	—	—
219449 2000 WM_{17}	16.3	X	77.23618	285.23283	161.90482	3.38325	0.2502362	0.21513393	2.7584394	20	3 17.4	19.6
219450 2000 WU_{47}	16.0	X	57.38035	153.79294	224.66768	14.70551	0.1474415	0.20547378	2.8442326	20	—	—
219451 2000 WD_{53}	16.2	X	164.23544	75.28986	236.05403	0.91528	0.0850369	0.21050024	2.7987728	20	—	—
219452 2000 WA_{78}	16.1	X	219.91408	58.79501	315.97319	3.15185	0.1937653	0.22859096	2.6490898	20	4 25.9	20.5
219453 2000 WV_{150}	15.9	X	108.98850	87.67880	281.33070	16.93955	0.2951479	0.21229544	2.7829727	20	1 22.4	20.0
219454 2000 WP_{153}	15.4	X	20.32783	66.76154	18.37563	7.32093	0.3046044	0.20368679	2.8608438	20	—	—
219455 2000 WY_{153}	14.9	X	48.80217	194.83980	248.71880	24.95656	0.1200472	0.21367631	2.7709698	20	1 2.4	18.4
219456 2000 WF_{165}	16.0	X	349.96368	78.65011	53.73857	5.55437	0.0311902	0.21145354	2.7903546	20	—	—
219457 2000 WY_{165}	15.6	X	208.72606	112.97755	228.73916	13.58818	0.1350075	0.22294980	2.6935889	20	3 5.0	20.1
219458 2000 XU_{2}	15.1	X	167.24524	34.70463	316.41632	12.45650	0.1125816	0.21820468	2.7324990	20	2 10.3	19.4
219459 2000 XT_{20}	16.0	X	151.37083	358.36389	3.79877	8.41470	0.2948054	0.21821007	2.7324540	20	2 24.2	20.7
219460 2000 XN_{36}	16.1	X	71.97674	80.15188	335.99852	12.37612	0.2366994	0.21163714	2.7887406	20	1 28.8	19.2
219461 2000 XY_{41}	15.5	X	67.78212	37.44012	337.26267	17.94470	0.2770398	0.20577695	2.8414383	20	—	—
219462 2000 YP_{1}	15.5	X	54.51918	127.36301	302.80626	13.42073	0.1763766	0.21132523	2.7914840	20	1 6.1	18.4
219463 2000 YV_{24}	15.6	X	281.21868	32.69195	102.79422	3.43414	0.0591804	0.19566443	2.9385165	20	12 24.5	19.5
219464 2000 YS_{36}	16.3	X	97.38964	251.47690	186.58784	2.00918	0.2962530	0.21551571	2.7551807	20	4 6.4	20.3
219465 2000 YR_{66}	17.1	X	146.58475	122.66590	265.47948	4.22440	0.1222814	0.31704571	2.1300418	20	2 23.4	19.8
219466 2001 AQ_{10}	12.5	X	258.76183	175.42853	278.67185	12.97607	0.1125936	0.08454243	5.1414572	20	9 5.2	19.6
219467 2001 AN_{26}	15.5	X	94.70402	339.48824	50.72266	8.82037	0.2299456	0.21012891	2.8020691	20	1 28.1	19.3
219468 2001 AU_{38}	15.5	X	317.82200	86.19098	341.03769	6.87456	0.1182756	0.19053223	2.9910505	20	11 14.5	19.2
219469 2001 BS_{21}	15.3	X	19.43954	175.63315	270.62266	14.26273	0.1078690	0.20605308	2.8388992	20	—	—
219470 2001 BJ_{23}	15.6	X	232.09730	150.31166	331.83106	2.24749	0.0791579	0.18659673	3.0329601	20	10 1.1	19.9
219471 2001 BY_{59}	15.0	X	215.72140	357.16575	156.27072	14.92402	0.2663231	0.18485624	3.0519679	20	10 6.8	20.2
219472 2001 CC	15.2	X	219.78586	126.41405	323.63369	15.11298	0.0391083	0.17777754	3.1324546	20	8 12.5	19.6
219473 2001 CJ_{3}	16.3	X	342.43734	157.73906	345.21595	5.95424	0.1131900	0.30347192	2.1930930	20	—	—
219474 2001 CH_{24}	15.8	X	223.01001	341.15306	173.13414	3.94465	0.1401483	0.18805515	3.0172588	20	10 24.8	20.3
219475 2001 CS_{26}	15.0	X	133.49554	228.76808	325.87366	8.04870	0.0781475	0.17947433	3.1126801	20	9 11.5	19.7
219476 2001 CN_{36}	15.2	X	217.90261	153.52183	0.08609	12.03634	0.2300008	0.18505037	3.0498332	20	10 6.8	20.3
219477 2001 CW_{44}	15.0	X	133.63564	176.18695	35.86413	15.28610	0.2139073	0.17819314	3.1275822	20	10 12.9	20.3
219478 2001 CO_{47}	15.0	X	123.05697	199.58391	326.74543	16.13469	0.1490262	0.17542924	3.1603467	20	8 5.8	20.0
219479 2001 DB_{7}	15.1	X	347.22820	248.05023	137.97045	12.90264	0.0191194	0.18485037	3.0520326	20	11 10.0	19.5
219480 2001 DJ_{9}	15.4	X	239.64621	140.07521	302.92328	5.07036	0.1351954	0.17960223	3.1112022	20	8 14.1	20.0
219481 2001 DF_{15}	15.7	X	37.65528	240.16409	341.41093	22.50861	0.3225308	0.26424466	2.4050932	20	8 13.2	18.4
219482 2001 DF_{29}	16.7	X	46.13056	41.75906	42.96776	1.82491	0.0992835	0.30467003	2.1873397	20	—	—
219483 2001 DQ_{35}	14.8	X	132.36155	242.77147	316.53902	18.81179	0.1589919	0.17899827	3.1181966	20	9 13.7	20.1
219484 2001 DX_{43}	15.6	X	305.95143	171.33188	296.27726	1.26786	0.1080190	0.19174976	2.9783758	20	12 20.7	19.1
219485 2001 DM_{82}	15.7	X	130.54754	240.10219	355.99660	3.61757	0.0627805	0.18136649	3.0909929	20	10 28.9	20.2
219486 2001 DZ_{93}	17.3	X	210.16175	74.07828	142.95080	1.35872	0.1245396	0.29291315	2.2454849	20	—	—
219487 2001 DE_{107}	15.1	X	5.60275	87.72728	337.03988	8.87258	0.0764092	0.19260470	2.9695556	20	—	—
219488 2001 EU_{2}	17.1	X	270.87432	60.49032	101.18084	5.02492	0.0348350	0.29453579	2.2372302	20	—	—
219489 2001 EG_{5}	15.4	X	225.27036	134.94434	7.88823	11.78573	0.1936875	0.18409667	3.0603570	20	10 5.4	20.2
219490 2001 EL_{26}	15.3	X	214.63664	308.79528	172.45098	11.65027	0.1191069	0.17861746	3.1226270	20	9 5.3	20.1
219491 2001 FK_{1}	17.1	X	88.23298	76.98826	166.39987	6.12192	0.1866392	0.27740389	2.3284184	20	10 20.3	20.5
219492 2001 FR_{32}	16.4	X	49.08161	271.99083	332.01412	5.30457	0.2804556	0.26965433	2.3728181	20	9 16.1	19.5
219493 2001 FD_{52}	15.1	X	99.55356	4.48202	198.20048	8.38723	0.1037426	0.17016233	3.2252281	20	8 16.5	20.0
219494 2001 FJ_{58}	16.2	X	70.11361	207.81097	80.38286	5.13417	0.2431596	0.27856964	2.3219179	20	12 2.1	19.8
219495 2001 FU_{73}	15.5	X	203.00770	135.03122	44.46454	6.10320	0.1124039	0.18303719	3.0721552	20	11 4.4	20.2
219496 2001 FK_{87}	16.7	X	114.23609	201.04757	61.50681	5.20588	0.1396322	0.28133454	2.3066800	20	12 4.4	20.2
219497 2001 FC_{88}	15.9	X	23.26253	245.96925	38.63639	13.38231	0.2348302	0.26987037	2.3715516	20	10 4.7	18.4
219498 2001 FR_{105}	15.3	X	164.54564	188.18931	22.72618	7.60113	0.1366146	0.18313273	3.0710866	20	11 2.2	20.3
219499 2001 FX_{108}	14.9	X	231.72700	134.08752	351.61733	9.40063	0.0226532	0.17958859	3.1113597	20	10 9.6	19.3
219500 2001 FN_{124}	15.1	X	220.71650	56.59367	103.73456	4.63403	0.0916812	0.18196007	3.0842672	20	11 3.9	19.7
219501 2001 FL_{156}	17.1	X	136.82706	246.50628	8.87789	4.89513	0.1302973	0.28417711	2.2912720	20	12 17.8	20.5
219502 2001 FJ_{158}	15.1	X	272.08560	124.40230	346.53517	16.29651	0.1634791	0.18635039	3.0356324	20	10 18.8	19.3
219503 2001 FG_{164}	15.1	X	135.01548	141.65877	59.39190	6.16884	0.1168477	0.17905630	3.1175229	20	9 27.5	20.1
219504 2001 FL_{196}	17.3	X	252.32751	23.57542	167.54173	5.11062	0.1188382	0.29275713	2.2462826	20	—	—
219505 2001 HU_{42}	16.4	X	8.55512	215.09063	70.83626	5.91217	0.2123016	0.26774021	2.3841138	20	8 31.9	18.4
219506 2001 HQ_{47}	16.5	X	223.96681	202.01056	354.04487	7.00878	0.1490547	0.28816746	2.2700709	20	—	—
219507 2001 HT_{64}	16.4	X	11.45157	45.75203	244.31326	3.99099	0.2337611	0.26690578	2.3890802	20	9 11.3	18.4
219508 2001 KE_{6}	14.5	X	195.53850	264.24046	240.11478	15.57617	0.1983459	0.17419541	3.1752524	20	9 3.2	20.1
219509 2001 KC_{16}	17.0	X	114.73010	163.06116	88.88126	5.70841	0.1912603	0.27731153	2.3289354	20	11 23.4	20.8
219510 2001 MU_{16}	16.2	X	287.68902	357.23939	352.78863	7.31756	0.2298552	0.25569048	2.4584403	20	5 31.5	19.3
219511 2001 MU_{19}	16.6	X	326.23522	241.47242	50.50709	2.79389	0.1780260	0.25597824	2.4565975	20	5 22.4	18.7
219512 2001 NG_{5}	16.9	X	252.03442	12.94284	349.18670	4.85184	0.2555913	0.25144580	2.4860305	20	5 3.3	20.8
219513 2001 OZ_{29}	16.9	X	336.34176	290.57621	15.23014	5.12960	0.1262722	0.25882361	2.4385600	20	7 12.3	19.2
219514 2001 OQ_{31}	16.9	X	301.40464	274.06574	68.41756	4.01346	0.1939175	0.25628471	2.4546387	20	6 19.5	19.6
219515 2001 OY_{39}	15.1	X	127.11958	246.97956	114.98312	10.23610	0.1554331	0.17903927	3.1177205	20	1 23.4	19.6
219516 2001 OZ_{50}	16.3	X	287.57085	14.54480	350.88515	6.58253	0.2187515	0.25697384	2.4502484	20	6 26.8	19.3
219517 2001 OH_{89}	15.8	X	59.44086	240.02934	133.27136	10.49637	0.3255024	0.22214887	2.7000594	20	—	—
219518 2001 PK_{20}	15.8	X	210.62312	254.35047	88.06016	13.36943	0.2013446	0.24235124	2.5478424	20	3 16.9	20.3
219519 2001 QV_{44}	16.8	X	248.70567	297.12588	105.96379	1.01007	0.2752495	0.25322805	2.4743521	20	6 21.8	20.5
219520 2001 QG_{54}	16.1	X	293.31992	354.65990	22.34843	5.60977	0.1959334	0.25714767	2.4491440	20	7 30.0	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219521 2001 QH_{54}	16.7	X	296.85917	188.80127	128.54126	12.84324	0.2144803	0.25207597	2.4818856	20	5 8.2	20.0
219522 2001 QH_{83}	16.3	X	3.67854	59.52876	285.70132	4.73427	0.3306717	0.26235347	2.4166375	20	12 8.2	18.6
219523 2001 QS_{84}	14.9	X	92.85515	88.99035	21.66248	27.93289	0.3691958	0.23028789	2.6360602	20	5 10.9	19.4
219524 2001 QZ_{93}	16.6	X	211.75699	84.31523	277.76415	5.31145	0.2931589	0.24059932	2.5601954	20	3 30.0	21.4
219525 2001 QG_{97}	16.2	X	249.90361	16.95259	341.19794	9.90929	0.2074952	0.24689900	2.5164588	20	4 28.4	20.3
219526 2001 QE_{117}	16.0	X	217.79232	80.10931	298.89041	5.06484	0.2167086	0.24429385	2.5343175	20	4 27.0	20.3
219527 2001 QK_{142}	16.7	X	285.88620	319.57506	40.50279	5.78210	0.5377406	0.25196564	2.4826100	20	5 2.0	20.6
219528 2001 QL_{149}	17.5	X	288.41893	96.06791	331.84341	20.36291	0.0608382	0.37141549	1.9167378	20	11 12.4	19.8
219529 2001 QC_{169}	16.5	X	234.14478	170.06159	159.32357	17.41223	0.2315565	0.24110511	2.5566136	20	3 13.9	20.8
219530 2001 QE_{171}	16.4	X	139.34748	83.75774	352.96822	4.14361	0.2597805	0.23543815	2.5974757	20	5 7.0	20.8
219531 2001 QN_{173}	17.2	X	54.19731	70.06880	217.77481	6.06241	0.1709601	0.26528157	2.3988218	20	11 5.1	20.4
219532 2001 QF_{177}	16.9	X	142.76208	271.81272	164.46120	3.99998	0.2008221	0.24042351	2.5614434	20	5 7.9	21.0
219533 2001 QO_{184}	15.8	X	201.53209	174.33776	191.17047	14.29687	0.1687519	0.24392683	2.5368590	20	3 30.7	20.0
219534 2001 QH_{188}	15.7	X	256.46764	114.64553	314.41818	9.43504	0.2524409	0.25408970	2.4687551	20	8 6.8	19.1
219535 2001 QZ_{195}	16.6	X	357.30680	134.22590	227.61686	19.81099	0.0829995	0.36822137	1.9278063	20	12 10.9	18.5
219536 2001 QV_{199}	16.2	X	218.53801	136.31324	223.89122	8.00018	0.2217005	0.24056616	2.5604307	20	4 5.0	20.6
219537 2001 QR_{201}	16.1	X	283.21443	65.21367	335.71983	10.79291	0.1968191	0.25632954	2.4543526	20	8 16.5	18.8
219538 2001 QR_{229}	16.1	X	191.82886	170.74746	243.84678	5.04224	0.2065256	0.24514735	2.5284318	20	5 21.9	20.1
219539 2001 QL_{238}	17.1	X	276.44649	81.89274	349.64833	18.70831	0.1174399	0.36542324	1.9376349	20	10 17.5	18.9
219540 2001 QD_{248}	16.3	X	207.52718	205.44543	187.63615	6.45803	0.1322036	0.24296627	2.5435409	20	5 12.5	20.2
219541 2001 QZ_{249}	16.1	X	300.40768	234.80117	132.89464	14.21376	0.2308903	0.25632144	2.4544042	20	7 19.8	18.7
219542 2001 QH_{268}	16.9	X	89.94707	326.07987	267.88146	18.02720	0.0397524	0.36368347	1.9438094	20	9 25.5	19.6
219543 2001 QB_{293}	16.0	X	251.19102	41.88950	298.33173	7.71132	0.1098558	0.24444369	2.5332817	20	4 17.4	19.8
219544 2001 RA_{6}	16.6	X	42.74233	49.85634	258.18448	18.41776	0.0535541	0.36767093	1.9297299	20	11 23.1	18.6
219545 2001 RN_{27}	14.1	X	156.77868	311.80062	359.74919	6.40796	0.1850380	0.12416324	3.9793062	20	1 3.7	20.4
219546 2001 RK_{34}	16.4	X	230.96709	214.61627	205.26770	4.75530	0.0454037	0.25544965	2.4599853	20	7 20.9	19.6
219547 2001 RD_{44}	16.4	X	217.54448	287.24510	97.95571	5.60274	0.2239629	0.24341353	2.5404242	20	5 8.1	20.7
219548 2001 RA_{66}	16.2	X	201.69666	207.05250	206.62840	14.28251	0.1169437	0.24604249	2.5222955	20	6 2.3	20.2
219549 2001 RT_{73}	18.2	X	220.95045	159.58231	202.91262	6.90724	0.3255556	0.24350155	2.5398119	20	4 7.0	22.9
219550 2001 RQ_{78}	16.0	X	166.82308	16.28239	45.58060	14.81099	0.2396107	0.23806519	2.5783317	20	5 10.4	20.5
219551 2001 RZ_{83}	17.0	X	201.56638	340.14226	175.94407	22.40019	0.0555054	0.36919438	1.9244176	20	11 19.9	19.5
219552 2001 RY_{107}	17.1	X	245.17537	136.28405	157.51666	3.32139	0.1714078	0.24101290	2.5572657	20	2 11.4	21.0
219553 2001 RL_{115}	17.1	X	68.82607	259.32920	151.37456	5.77206	0.1554702	0.28016429	2.3130989	20	—	—
219554 2001 RM_{123}	16.7	X	124.03624	260.13938	165.22898	5.63693	0.0784268	0.23817879	2.5775118	20	3 22.1	20.1
219555 2001 RA_{125}	14.5	X	183.40754	161.31697	119.01732	3.05800	0.2034146	0.12449361	3.9722630	20	—	—
219556 2001 RM_{127}	16.4	X	25.70637	251.64591	59.49607	3.93802	0.1716601	0.26280607	2.4138621	20	10 29.9	19.0
219557 2001 RL_{132}	17.0	X	268.56907	291.10283	17.22404	7.42002	0.2331494	0.24576784	2.5241743	20	3 18.1	20.9
219558 2001 RE_{142}	16.0	X	212.74173	221.27733	188.95729	27.18406	0.2748580	0.24388484	2.5371502	20	6 1.0	20.9
219559 2001 RK_{154}	16.6	X	179.67577	70.96140	345.95657	16.76119	0.1833896	0.24221987	2.5487635	20	5 7.5	21.2
219560 2001 SX	16.2	X	221.24532	201.63514	198.44783	7.92184	0.1598025	0.24692256	2.5162988	20	6 2.3	20.1
219561 2001 SC_{26}	16.8	X	14.62756	123.40741	8.65976	6.67314	0.0572520	0.28355878	2.2946017	20	1 3.0	19.3
219562 2001 SO_{28}	17.3	X	216.48141	346.16109	53.67834	2.31601	0.2142428	0.24577999	2.5240912	20	5 24.1	21.4
219563 2001 SX_{31}	17.5	X	194.08445	214.03757	166.98291	5.12367	0.2530914	0.24075474	2.5590935	20	4 13.5	21.9
219564 2001 SU_{90}	16.6	X	170.22641	241.43302	180.55067	14.03204	0.1866031	0.24311986	2.5424695	20	5 15.1	21.0
219565 2001 SZ_{95}	17.0	X	195.40505	51.11148	352.00388	9.82070	0.1647799	0.24454922	2.5325529	20	5 7.7	21.3
219566 2001 SN_{101}	17.1	X	240.85500	87.90424	353.03306	1.73133	0.1849738	0.25481500	2.4640682	20	8 14.2	20.5
219567 2001 SB_{115}	16.4	X	188.43531	263.42341	167.58638	2.10375	0.1265318	0.24481585	2.5307138	20	6 10.5	20.2
219568 2001 SY_{117}	16.1	X	169.92247	217.77912	220.45620	6.14578	0.2497852	0.24375068	2.5380811	20	6 3.1	20.5
219569 2001 SR_{126}	16.9	X	262.73860	331.87407	341.83910	4.00664	0.1432761	0.24490547	2.5300964	20	3 26.1	20.5
219570 2001 ST_{129}	17.2	X	125.42199	97.81775	204.85292	4.53766	0.1907992	0.27600568	2.3362754	20	—	—
219571 2001 SU_{132}	16.9	X	203.60138	41.07837	351.89395	10.77112	0.2246931	0.24368653	2.5385265	20	4 30.3	21.5
219572 2001 SF_{142}	16.1	X	158.50898	202.61204	251.43953	3.58239	0.2029404	0.24440993	2.5335150	20	6 12.3	20.2
219573 2001 SP_{146}	17.0	X	185.25103	67.99566	1.02749	4.31062	0.2504865	0.24383861	2.5374709	20	6 2.4	21.4
219574 2001 SH_{159}	16.2	X	179.28782	231.64922	201.23159	14.29525	0.0618081	0.24557920	2.5254668	20	6 4.1	20.0
219575 2001 SC_{219}	17.3	X	185.83135	7.68257	35.15554	0.89611	0.1293227	0.24268190	2.5455275	20	5 2.1	21.0
219576 2001 SJ_{221}	16.2	X	114.67001	86.17474	9.09951	11.94197	0.0949917	0.23921212	2.5700837	20	4 17.6	19.8
219577 2001 ST_{221}	17.3	X	231.35608	200.12719	142.08798	2.80587	0.1750249	0.24265616	2.5457075	20	3 29.8	21.4
219578 2001 SQ_{234}	16.9	X	197.26474	318.61797	97.50181	0.94524	0.2167710	0.24356062	2.5394013	20	5 28.4	21.2
219579 2001 SK_{244}	16.6	X	255.25616	178.27252	163.44898	8.44624	0.1846131	0.24441021	2.5335131	20	4 21.9	20.4
219580 2001 SE_{252}	17.3	X	193.40614	239.34926	196.98790	12.09517	0.2521662	0.24397422	2.5365305	20	6 18.3	22.0
219581 2001 SN_{253}	17.4	X	155.45950	261.23730	45.19766	5.61660	0.2473668	0.27939969	2.3173170	20	—	—
219582 2001 SK_{304}	17.9	X	177.94837	236.86582	187.75165	4.49540	0.2610577	0.24212809	2.5494076	20	5 23.9	22.4
219583 2001 SM_{311}	17.1	X	280.55532	235.81561	186.95569	21.55340	0.0925097	0.36328291	1.9452380	20	10 27.7	18.6
219584 2001 SS_{317}	17.1	X	257.99925	28.81854	56.89630	3.14097	0.1716546	0.25707903	2.4495799	20	9 15.6	20.1
219585 2001 SB_{328}	16.5	X	191.81585	303.52577	112.53286	4.69654	0.1525109	0.24521061	2.5279970	20	5 25.7	20.5
219586 2001 SL_{337}	17.2	X	288.19254	120.52148	172.76738	9.88507	0.1372187	0.24614284	2.5216099	20	4 1.9	20.4
219587 2001 TH_{3}	17.1	X	190.79988	139.85962	239.49314	2.80484	0.1898930	0.23934831	2.5691086	20	4 6.7	21.4
219588 2001 TJ_{8}	16.4	X	192.51661	60.19536	345.84754	5.81504	0.2998802	0.24047239	2.5610963	20	5 8.9	21.2
219589 2001 TA_{18}	16.2	X	227.67610	311.07354	44.26530	8.63387	0.2272685	0.24088736	2.5581541	20	4 10.1	20.6
219590 2001 TQ_{18}	16.8	X	206.34265	278.81080	57.65305	5.86150	0.2531240	0.23776394	2.5805091	20	3 2.4	21.4
219591 2001 TB_{22}	15.7	X	186.99757	305.43714	121.92227	15.71416	0.2333654	0.24302209	2.5431514	20	6 5.6	20.3
219592 2001 TS_{31}	15.6	X	189.53841	347.15669	25.73914	16.50179	0.2212976	0.23695432	2.5863837	20	4 2.0	20.0
219593 2001 TN_{34}	15.1	X	34.54295	218.56081	237.15940	21.06435	0.0211371	0.22305510	2.6927411	20	—	—
219594 2001 TC_{35}	16.2	X	149.72403	27.12586	30.14561	13.09975	0.1691965	0.23459930	2.6036638	20	4 17.7	20.3
219595 2001 TR_{39}	15.4	X	256.52529	359.74853	16.87369	10.71470	0.1145108	0.24424574	2.5346503	20	6 14.1	19.0
219596 2001 TE_{40}	15.6	X	120.25414	2.12999	42.46504	15.88705	0.1930948	0.22754712	2.6571851	20	3 14.5	19.8
219597 2001 TJ_{44}	14.9	X	252.74330	26.41444	323.91940	8.60347	0.2026714	0.24025721	2.5626252	20	4 22.1	19.0
219598 2001 TF_{49}	16.1	X	123.70439	171.05027	262.34599	4.99614	0.2642639	0.23381870	2.6094555	20	4 19.6	20.4
219599 2001 TL_{55}	16.8	X	170.30148	230.26886	188.27990	6.03484	0.1244299	0.24096384	2.5576128	20	5 7.9	20.7
219600 2001 TO_{57}	15.8	X	48.97246	330.17793	202.81211	9.61799	0.0999356	0.24048801	2.5609853	20	5 5.5	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219601 2001 TK_{64}	16.8	X	200.05421	230.94209	213.59799	11.13039	0.2744078	0.24510987	2.5286896	20	7 1.7	21.4
219602 2001 TU_{81}	16.9	X	241.80400	37.54614	294.42964	3.61006	0.2050570	0.24328343	2.5413298	20	3 21.8	21.2
219603 2001 TO_{84}	16.8	X	171.57087	56.99254	17.91025	1.20409	0.1547280	0.24254199	2.5465063	20	5 29.4	20.9
219604 2001 TB_{85}	16.8	X	180.31551	199.20517	210.73146	4.29940	0.1915726	0.24051298	2.5608081	20	5 6.8	21.0
219605 2001 TD_{85}	17.2	X	189.65737	158.36469	201.40374	1.79540	0.1227751	0.23649524	2.5897297	20	3 12.6	21.0
219606 2001 TN_{91}	16.8	X	179.80731	65.53838	321.13250	1.88178	0.0506656	0.23891952	2.5721816	20	4 2.8	20.3
219607 2001 TT_{91}	16.8	X	224.34289	182.00401	209.68004	11.98090	0.2138479	0.24558672	2.5254152	20	5 21.8	20.9
219608 2001 TO_{94}	16.5	X	175.63563	111.67406	305.14028	2.80929	0.2233558	0.24044658	2.5612796	20	5 10.5	21.0
219609 2001 TD_{95}	16.8	X	172.30782	214.48179	227.48406	6.04133	0.2443121	0.24202385	2.5501395	20	6 9.4	21.3
219610 2001 TN_{96}	16.3	X	264.76019	75.77618	224.15226	10.74905	0.2723395	0.24196454	2.5505562	20	2 24.3	20.7
219611 2001 TF_{101}	16.6	X	184.93888	6.54159	17.39314	4.93914	0.2885995	0.23698893	2.5861319	20	4 9.3	21.4
219612 2001 TX_{107}	15.0	X	231.50358	142.88832	257.86432	9.62704	0.2340629	0.24270349	2.5453765	20	6 6.4	19.1
219613 2001 TC_{108}	15.0	X	154.66328	351.71825	71.92622	15.35992	0.2748678	0.23354597	2.6114865	20	5 8.6	19.7
219614 2001 TO_{113}	16.8	X	219.74742	35.00331	7.19902	7.39182	0.2752279	0.24434366	2.5339731	20	5 24.9	21.3
219615 2001 TH_{119}	15.9	X	109.31014	136.34414	307.05066	12.07630	0.1484247	0.23446996	2.6046212	20	3 29.8	19.8
219616 2001 TM_{119}	15.8	X	135.73065	146.05742	292.28002	12.26442	0.1343494	0.23790223	2.5795089	20	4 21.7	19.9
219617 2001 TP_{119}	15.7	X	213.63311	137.36388	254.41573	14.22662	0.1182596	0.24405705	2.5359566	20	5 15.8	19.6
219618 2001 TY_{120}	16.2	X	222.31392	350.64056	347.03797	13.21317	0.2467325	0.23972463	2.5664193	20	3 11.9	20.8
219619 2001 TY_{123}	16.0	X	212.40504	181.11476	215.98065	17.73136	0.2197246	0.24477244	2.5310130	20	5 17.7	20.3
219620 2001 TM_{131}	15.7	X	284.66583	353.70808	51.95129	8.88301	0.2002723	0.25736079	2.4477917	20	8 29.5	18.4
219621 2001 TJ_{172}	16.8	X	240.10920	170.94734	201.50665	13.08959	0.1464303	0.24559226	2.5253772	20	5 18.6	20.7
219622 2001 TP_{191}	16.9	X	173.17413	149.99209	266.02294	2.48697	0.1836431	0.23865690	2.5740682	20	5 7.2	21.1
219623 2001 TY_{193}	16.6	X	111.50478	236.08265	242.63524	2.66895	0.1143940	0.23947701	2.5681881	20	5 20.2	20.2
219624 2001 TS_{201}	16.6	X	268.00501	232.35741	100.31601	7.34506	0.1178282	0.24556115	2.5255905	20	5 3.4	20.1
219625 2001 TY_{205}	15.9	X	226.78951	288.21406	119.85382	12.46558	0.1906573	0.24619965	2.5212220	20	6 16.2	20.0
219626 2001 TW_{206}	16.6	X	338.98394	52.63886	224.61949	1.93931	0.0342852	0.24739190	2.5131152	20	6 7.4	19.6
219627 2001 TU_{210}	16.2	X	276.20039	40.57527	266.60950	6.92055	0.0807838	0.24302482	2.5431324	20	4 8.9	19.8
219628 2001 TB_{211}	15.8	X	245.39249	157.58837	270.83798	8.55208	0.1673540	0.25379208	2.4706848	20	8 1.9	19.3
219629 2001 TC_{224}	16.4	X	244.72442	42.25217	280.80572	3.51370	0.1109263	0.23892509	2.5721416	20	3 21.2	20.3
219630 2001 TZ_{235}	16.3	X	177.69885	304.17807	134.95936	8.71229	0.1218992	0.24307196	2.5428035	20	6 11.0	20.3
219631 2001 TX_{240}	16.2	X	254.18580	38.51104	277.10715	5.84929	0.2922269	0.24038214	2.5617373	20	3 5.4	20.7
219632 2001 UC_{11}	16.4	X	129.69970	240.63662	191.10521	4.86918	0.2231707	0.23235354	2.6204136	20	4 21.7	20.4
219633 2001 UN_{17}	17.2	X	35.27506	332.56412	358.38042	20.09087	0.0783435	0.36879651	1.9258015	20	12 21.5	19.9
219634 2001 UK_{33}	16.1	X	166.71488	306.11774	123.90558	5.79297	0.2427383	0.23958440	2.5674207	20	5 22.5	20.6
219635 2001 UV_{33}	16.3	X	203.47107	316.19444	63.40829	12.76165	0.1476086	0.24029879	2.5623296	20	4 23.6	20.4
219636 2001 UD_{57}	16.6	X	134.92352	239.60776	230.00548	2.36441	0.0542550	0.24323344	2.5416780	20	5 29.8	20.1
219637 2001 UP_{63}	16.2	X	258.29167	125.98515	220.90969	5.78383	0.0981691	0.24382432	2.5375700	20	5 10.5	19.8
219638 2001 UB_{65}	16.3	X	229.30361	5.52853	29.75513	11.74792	0.2195558	0.24485516	2.5304429	20	5 27.2	20.5
219639 2001 UF_{66}	16.6	X	194.41298	346.78225	37.17801	7.64089	0.3489217	0.23888907	2.5724002	20	4 16.4	21.5
219640 2001 UR_{70}	17.1	X	98.60464	226.62571	223.11028	2.41344	0.0427506	0.23353844	2.6115427	20	3 14.8	20.4
219641 2001 UQ_{76}	16.4	X	213.72887	267.73400	45.95934	12.00231	0.2145679	0.23480820	2.6021193	20	2 13.1	21.1
219642 2001 UW_{76}	16.6	X	247.40777	259.03120	46.70298	13.80778	0.2165721	0.23856103	2.5747578	20	3 3.5	21.1
219643 2001 UX_{76}	16.3	X	106.32346	42.75860	70.45431	4.77950	0.1269911	0.23675481	2.5878365	20	5 9.1	19.9
219644 2001 UW_{81}	16.7	X	210.43789	311.69458	44.50125	2.82009	0.2557697	0.23939552	2.5687709	20	3 26.6	21.2
219645 2001 UA_{82}	16.1	X	103.72829	274.40959	214.56628	8.74139	0.2537216	0.23601085	2.5932720	20	6 10.9	20.1
219646 2001 UF_{101}	17.1	X	115.14527	247.11685	188.46525	2.22232	0.2107133	0.23427089	2.6060965	20	4 10.4	21.0
219647 2001 UE_{114}	16.5	X	227.56368	312.66943	53.96456	4.65690	0.1836281	0.24252925	2.5465955	20	4 24.9	20.5
219648 2001 UH_{119}	16.3	X	205.34884	310.25030	67.72190	4.93780	0.1302953	0.23903814	2.5713306	20	4 21.5	20.2
219649 2001 US_{127}	15.3	X	198.99078	187.80004	216.77827	13.06316	0.1702939	0.23968455	2.5667054	20	5 17.2	19.5
219650 2001 US_{134}	16.5	X	8.67660	303.07034	223.35455	4.67734	0.0175908	0.23166839	2.6255776	20	2 18.8	20.0
219651 2001 UD_{160}	16.6	X	206.94716	307.61419	55.99859	14.23223	0.2119735	0.23797875	2.5789560	20	4 7.7	21.1
219652 2001 UB_{162}	15.1	X	219.80393	125.31247	234.74172	21.22256	0.0784991	0.23679155	2.5875688	20	4 11.3	19.1
219653 2001 UC_{172}	16.8	X	175.50242	66.56774	35.60350	1.49007	0.1161406	0.24690087	2.5164461	20	7 8.3	20.7
219654 2001 UR_{173}	16.8	X	201.10109	187.39468	196.75743	3.99499	0.0538918	0.23962337	2.5671423	20	4 26.1	20.4
219655 2001 UY_{213}	15.9	X	196.35294	242.28854	122.94127	15.72849	0.1769866	0.23849348	2.5752440	20	4 1.6	20.4
219656 2001 UU_{217}	17.0	X	137.96306	272.64629	164.59812	8.30147	0.2051904	0.23706584	2.5855726	20	5 6.3	21.2
219657 2001 VA_{2}	15.4	X	184.37409	304.62063	86.95488	12.95885	0.2552483	0.23519192	2.5992883	20	4 23.5	20.2
219658 2001 VD_{3}	17.1	X	115.45686	94.10535	304.10109	1.52056	0.1221221	0.22874522	2.6478987	20	2 11.9	20.5
219659 2001 VK_{6}	16.9	X	142.35425	218.00829	232.76303	3.49008	0.1199676	0.23879503	2.5730755	20	5 19.1	20.8
219660 2001 VC_{11}	15.7	X	143.23422	44.68223	23.82607	13.82530	0.1649995	0.23565393	2.5958898	20	4 23.3	19.7
219661 2001 VA_{12}	15.2	X	241.71823	63.46481	278.18720	13.16411	0.1027147	0.23891548	2.5722106	20	4 6.9	19.3
219662 2001 VM_{12}	15.6	X	254.61973	69.61229	316.97353	7.75902	0.1817499	0.24670653	2.5177675	20	6 17.4	19.3
219663 2001 VZ_{13}	15.5	X	267.33618	302.55076	38.74470	16.06693	0.1536224	0.24340880	2.5404571	20	5 5.1	19.0
219664 2001 VM_{17}	16.8	X	124.79817	223.99147	226.75751	3.39259	0.2383447	0.23353570	2.6115631	20	5 11.7	20.8
219665 2001 VG_{19}	16.9	X	228.20742	323.42245	40.57919	3.76781	0.1984161	0.24188677	2.5511029	20	4 20.9	21.1
219666 2001 VG_{25}	16.9	X	202.10694	138.60318	271.55065	1.19920	0.2330868	0.24169468	2.5524544	20	5 24.2	21.2
219667 2001 VZ_{33}	16.3	X	230.01576	325.44138	65.51004	7.76825	0.2158068	0.24324224	2.5416167	20	5 25.1	20.3
219668 2001 VQ_{37}	15.7	X	206.15576	187.95762	222.35735	4.81467	0.1830068	0.24114695	2.5563179	20	5 30.2	19.9
219669 2001 VJ_{39}	16.2	X	239.88329	299.21408	100.43224	0.97615	0.1529429	0.24561957	2.5251901	20	6 21.4	19.7
219670 2001 VW_{49}	16.1	X	127.85652	118.63992	323.82472	6.74192	0.1807191	0.23560108	2.5962780	20	4 25.6	20.2
219671 2001 VS_{50}	16.1	X	157.49956	87.06766	312.65070	5.58960	0.1831540	0.23529108	2.5985580	20	3 31.9	20.5
219672 2001 VB_{80}	15.7	X	138.83559	146.38602	267.45270	3.17430	0.2461220	0.23081821	2.6320209	20	4 7.6	20.1
219673 2001 VH_{88}	15.7	X	187.44920	210.89407	227.04225	11.95138	0.2634269	0.23914035	2.5705978	20	6 15.3	20.4
219674 2001 VV_{91}	16.1	X	119.01237	247.29390	187.97411	12.77052	0.1705360	0.23232278	2.6206449	20	4 10.2	20.0
219675 2001 VK_{92}	16.0	X	217.81474	248.16672	99.51565	16.23827	0.1788572	0.23747706	2.5825869	20	3 31.9	20.5
219676 2001 VY_{104}	17.0	X	226.98585	124.84621	250.22384	4.27815	0.2550779	0.24270902	2.5453379	20	4 29.1	21.4
219677 2001 VR_{105}	15.8	X	89.24235	154.63982	253.72965	10.27702	0.0690877	0.22440724	2.6819138	20	1 12.9	19.3
219678 2001 VB_{117}	16.8	X	147.32873	33.82100	35.57355	5.02021	0.2427019	0.23472965	2.6026998	20	5 4.5	21.1
219679 2001 VA_{121}	16.1	X	123.67569	23.45253	54.46138	5.83102	0.2763270	0.23053076	2.6342084	20	4 28.9	20.4
219680 2001 WS_{14}	16.9	X	91.86343	188.66120	284.14067	1.42478	0.0869453	0.23237925	2.6202203	20	4 12.5	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219681 2001 WH_{18}	16.7	X	223.13624	111.77976	228.39579	3.62711	0.1571886	0.23856962	2.5746960	20	3 18.5	20.9
219682 2001 WA_{26}	15.9	X	233.25095	138.98154	224.73549	9.96772	0.1459893	0.24216034	2.5491812	20	4 28.4	19.8
219683 2001 WM_{32}	16.2	X	229.12676	258.39474	84.41446	5.98381	0.2248930	0.23935753	2.5690426	20	3 28.2	20.6
219684 2001 WO_{34}	15.9	X	204.28195	254.77591	130.15435	4.39225	0.1451202	0.23907045	2.5710989	20	4 29.1	20.0
219685 2001 WR_{36}	16.4	X	213.53178	313.50648	56.86191	12.81869	0.2031795	0.24050128	2.5608912	20	4 19.3	20.8
219686 2001 WE_{37}	17.0	X	196.96872	305.21413	72.83692	5.53998	0.2670231	0.23906174	2.5711613	20	4 12.9	21.6
219687 2001 WV_{37}	16.3	X	205.81885	229.18774	83.37251	4.05194	0.1433868	0.23057876	2.6338428	20	2 1.8	20.4
219688 2001 WW_{37}	16.2	X	229.86527	232.58128	71.15749	8.45086	0.2086804	0.23371706	2.6102119	20	2 12.3	20.7
219689 2001 WY_{38}	16.8	X	148.74889	272.32387	132.65351	4.45009	0.2194408	0.23252159	2.6191509	20	4 6.7	21.1
219690 2001 WD_{52}	15.6	X	276.75537	341.59844	229.00203	12.19624	0.1151979	0.22464666	2.6800079	20	—	—
219691 2001 WG_{61}	16.9	X	184.45897	343.64845	31.81831	3.17491	0.1409138	0.23558942	2.5963637	20	3 28.6	21.0
219692 2001 WT_{92}	16.9	X	185.87704	191.68326	236.91718	3.11761	0.1717254	0.24190438	2.5509790	20	6 4.0	21.0
219693 2001 XX_{1}	15.8	X	112.36467	121.11011	349.00006	24.22432	0.3107275	0.23488563	2.6015474	20	5 24.0	20.6
219694 2001 XM_{11}	15.7	X	22.29166	170.93443	323.53042	11.52496	0.0989755	0.22552846	2.6730176	20	1 29.9	18.8
219695 2001 XO_{16}	15.6	X	123.18185	183.95806	258.66781	12.15646	0.1024022	0.23079756	2.6321779	20	4 10.9	19.7
219696 2001 XW_{18}	15.9	X	139.15500	3.67526	74.09937	14.74842	0.2323589	0.23317690	2.6142415	20	5 10.9	20.3
219697 2001 XP_{20}	15.6	X	133.09630	338.32182	69.40136	14.03106	0.2792276	0.22952600	2.6418904	20	4 6.5	20.2
219698 2001 XF_{21}	15.5	X	170.68314	117.73258	346.77270	5.47950	0.1534564	0.23962139	2.5671564	20	7 6.7	19.6
219699 2001 XS_{21}	15.9	X	47.50240	125.55730	319.46737	6.87777	0.1728283	0.21947340	2.7219582	20	1 10.2	18.7
219700 2001 XS_{26}	15.8	X	172.01683	76.68455	6.95498	3.66488	0.2790627	0.23648638	2.5897944	20	6 10.9	20.4
219701 2001 XA_{30}	15.8	X	232.70544	240.90397	157.32391	4.29897	0.2405923	0.24242955	2.5472937	20	6 4.4	20.0
219702 2001 XL_{33}	16.0	X	262.57860	36.72133	234.21877	16.77445	0.2096074	0.23302601	2.6153699	20	1 23.6	20.5
219703 2001 XB_{35}	15.7	X	230.84389	56.50304	280.15934	11.98508	0.1848321	0.23856888	2.5747013	20	3 14.6	20.1
219704 2001 XJ_{36}	15.9	X	137.18268	163.48849	289.59317	12.07740	0.0308800	0.23700080	2.5860456	20	5 3.8	19.6
219705 2001 XJ_{37}	15.8	X	99.33933	121.26430	33.13012	13.80983	0.1984728	0.23774438	2.5806506	20	7 4.0	19.9
219706 2001 XN_{43}	16.1	X	233.52021	356.53927	10.33992	8.03570	0.2184279	0.24030567	2.5622807	20	4 25.8	20.3
219707 2001 XV_{44}	15.5	X	145.93850	320.49787	72.39560	14.79028	0.1021450	0.22681475	2.6629020	20	3 17.5	19.7
219708 2001 XJ_{47}	16.6	X	178.26634	349.67970	308.13282	22.13865	0.0743357	0.37567030	1.9022378	20	—	—
219709 2001 XX_{49}	16.0	X	200.77323	158.05856	231.73663	1.90540	0.0910645	0.23858494	2.5745858	20	5 1.4	19.6
219710 2001 XW_{50}	16.9	X	240.15724	209.27115	204.38137	0.57618	0.0981963	0.24679857	2.5171415	20	7 17.6	20.4
219711 2001 XY_{50}	16.5	X	112.67407	228.62943	245.13584	5.10700	0.1462330	0.23514773	2.5996139	20	5 18.9	20.3
219712 2001 XQ_{57}	15.8	X	179.87708	307.69604	96.04177	7.01814	0.1138553	0.23609135	2.5926825	20	4 30.1	19.9
219713 2001 XG_{72}	16.4	X	228.10839	190.35631	170.83779	1.43532	0.1317151	0.23978687	2.5659752	20	4 21.9	20.1
219714 2001 XO_{74}	16.4	X	125.33061	337.44900	103.82425	3.78136	0.1999668	0.23310320	2.6147924	20	4 28.2	20.4
219715 2001 XE_{83}	16.3	X	208.20319	240.64859	136.59141	3.69590	0.1137253	0.23718868	2.5846798	20	4 24.1	20.2
219716 2001 XW_{83}	16.3	X	128.17147	223.06323	233.04691	4.11816	0.1996835	0.23370675	2.6102887	20	5 18.3	20.4
219717 2001 XH_{95}	16.5	X	162.29026	358.88058	71.75770	5.20291	0.1889094	0.23732154	2.5837150	20	5 17.1	20.7
219718 2001 XL_{97}	16.6	X	229.16749	318.28669	73.62722	8.73075	0.2806438	0.24340391	2.5404912	20	5 21.7	20.8
219719 2001 XR_{105}	16.0	X	19.20173	40.07053	115.71724	6.29299	0.0414242	0.22526168	2.6751276	20	2 23.6	19.3
219720 2001 XV_{109}	16.3	X	223.56280	284.82943	86.39176	9.93707	0.1340713	0.24105123	2.5569946	20	5 2.9	20.3
219721 2001 XH_{113}	17.0	X	168.33030	191.37628	198.44762	6.64074	0.2769636	0.23414970	2.6069957	20	4 4.5	21.6
219722 2001 XU_{114}	15.6	X	130.05814	322.35651	70.92452	10.94536	0.0860525	0.22523418	2.6753453	20	2 24.0	19.6
219723 2001 XK_{122}	17.1	X	205.79117	282.03469	96.45687	1.09833	0.2142740	0.23951884	2.5678891	20	4 19.3	21.5
219724 2001 XB_{126}	16.4	X	112.93521	238.28616	223.08477	6.04564	0.0289241	0.23501075	2.6006240	20	4 16.2	19.8
219725 2001 XE_{126}	16.7	X	202.95409	147.89648	229.59900	3.12172	0.1927958	0.23847325	2.5753896	20	4 15.1	20.9
219726 2001 XD_{127}	16.2	X	260.87704	68.81455	218.92260	4.23526	0.0435462	0.23184147	2.6242707	20	3 2.7	19.8
219727 2001 XK_{128}	16.9	X	204.12782	295.88562	97.43511	3.62557	0.2183933	0.24015829	2.5633288	20	5 6.7	21.2
219728 2001 XA_{132}	15.9	X	232.81046	62.14763	252.54511	7.81662	0.0637822	0.23152601	2.6266540	20	2 28.8	19.9
219729 2001 XU_{138}	16.2	X	161.03135	237.60442	164.66097	2.59545	0.0809011	0.23283824	2.6167757	20	4 4.9	19.9
219730 2001 XE_{140}	15.8	X	286.79016	244.11481	87.34724	3.75236	0.1919684	0.24317563	2.5420808	20	5 12.9	18.9
219731 2001 XU_{145}	15.9	X	172.23318	244.79929	82.02927	9.68123	0.1895330	0.22505585	2.6767585	20	1 22.7	20.3
219732 2001 XN_{152}	15.5	X	138.54756	198.46896	252.70690	9.82331	0.1309198	0.23495356	2.6010460	20	5 15.8	19.4
219733 2001 XR_{153}	16.6	X	132.20323	354.15639	96.26881	4.11461	0.1280704	0.23390276	2.6088302	20	5 9.6	20.5
219734 2001 XH_{163}	16.7	X	189.91525	250.18975	123.87615	2.56010	0.2264529	0.23491101	2.6013601	20	4 2.1	21.1
219735 2001 XX_{170}	16.3	X	88.18295	195.10451	244.16214	3.68019	0.0813049	0.22602195	2.6691254	20	2 21.9	19.7
219736 2001 XK_{171}	16.5	X	169.45625	164.18303	196.20737	1.80857	0.3237657	0.23139255	2.6276638	20	3 3.4	21.2
219737 2001 XM_{174}	15.9	X	56.30145	207.62997	242.28354	4.64559	0.0303591	0.22080418	2.7110105	20	1 18.4	19.5
219738 2001 XY_{189}	15.7	X	151.88408	285.50241	118.57470	10.30996	0.2013690	0.22996692	2.6385124	20	4 10.2	20.2
219739 2001 XY_{190}	16.0	X	109.23567	307.97803	113.35634	3.41207	0.1329929	0.22474110	2.6792571	20	3 8.3	19.7
219740 2001 XE_{212}	16.3	X	37.58370	253.40841	204.42339	4.35630	0.1253325	0.22112399	2.7083958	20	1 5.2	19.2
219741 2001 XF_{224}	16.5	X	222.29270	337.52172	17.78635	0.52203	0.1878921	0.23858818	2.5745625	20	4 5.3	20.6
219742 2001 XQ_{224}	16.2	X	198.14603	277.13210	58.07072	15.89635	0.2663239	0.23323764	2.6137875	20	2 29.5	21.2
219743 2001 XZ_{233}	15.7	X	229.16904	85.06029	267.64891	6.15293	0.2162439	0.23856546	2.5747259	20	4 3.7	20.1
219744 2001 XW_{238}	16.1	X	223.50468	85.69958	311.90796	1.02943	0.2057892	0.24114072	2.5563620	20	5 28.0	20.3
219745 2001 XA_{239}	15.7	X	40.42780	161.76160	269.80342	11.99652	0.1765638	0.21844879	2.7304629	20	—	—
219746 2001 XQ_{239}	16.3	X	213.26711	4.59028	16.00689	2.76621	0.3028399	0.23911169	2.5708033	20	4 24.1	20.9
219747 2001 XT_{247}	16.1	X	123.80719	193.54268	276.36799	2.95479	0.2174212	0.23426898	2.6061107	20	6 1.9	20.1
219748 2001 XZ_{247}	16.0	X	108.63092	273.01413	175.35662	16.83298	0.2785317	0.23105281	2.6302390	20	4 30.8	20.3
219749 2001 XN_{256}	16.5	X	226.08205	173.92050	199.62052	11.08798	0.2617392	0.24234069	2.5479163	20	4 28.0	20.9
219750 2001 YE	15.8	X	141.12591	257.12598	108.27681	14.94646	0.1089129	0.22069515	2.7119032	20	2 1.5	19.8
219751 2001 YL_{8}	15.7	X	203.26251	246.31709	106.52181	13.40294	0.1201817	0.23182179	2.6244192	20	3 24.5	20.0
219752 2001 YK_{13}	17.2	X	164.63205	184.58705	216.74885	0.27251	0.2158943	0.23465854	2.6032256	20	4 13.4	21.5
219753 2001 YN_{22}	15.7	X	191.04124	313.88474	82.27633	16.15457	0.2000632	0.23740882	2.5830818	20	5 4.2	20.2
219754 2001 YD_{26}	16.4	X	205.88016	280.57151	69.44717	13.93551	0.2480996	0.23571137	2.5954681	20	3 22.8	21.2
219755 2001 YR_{26}	17.0	X	205.07392	316.84418	40.61728	2.87294	0.2502820	0.23659525	2.5889999	20	3 24.3	21.4
219756 2001 YK_{28}	16.3	X	122.00239	114.33136	262.67907	5.02234	0.0471968	0.22443290	2.6817093	20	1 13.9	19.8
219757 2001 YQ_{32}	16.2	X	127.56837	317.46128	65.85886	7.17216	0.0840214	0.22562357	2.6722663	20	2 5.6	20.0
219758 2001 YW_{33}	16.5	X	113.71374	121.13657	350.06360	1.95964	0.1035777	0.23448949	2.6044766	20	5 10.9	20.2
219759 2001 YP_{60}	15.8	X	243.18818	76.43584	300.03921	3.07650	0.2706516	0.24301146	2.5432256	20	5 13.2	19.9
219760 2001 YQ_{60}	15.8	X	155.94167	318.75660	68.96661	5.32047	0.1441358	0.22963510	2.6410535	20	3 19.1	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219761 2001 YR_{76}	16.0	X	67.34246	174.29935	310.75216	4.56950	0.1170688	0.22726205	2.6594068	20	3 28.3	19.3
219762 2001 YJ_{79}	16.1	X	120.39921	292.43876	80.94574	6.96090	0.0973929	0.21976584	2.7195430	20	1 16.6	19.8
219763 2001 YH_{86}	16.5	X	95.18271	124.87924	313.52786	2.06462	0.1037476	0.22445552	2.6815291	20	3 6.0	19.9
219764 2001 YK_{87}	15.9	X	99.87491	176.04777	270.61688	13.13254	0.2202612	0.22555143	2.6728361	20	4 2.9	20.0
219765 2001 YO_{91}	15.5	X	153.52486	319.32657	107.54710	14.53098	0.2193935	0.23243672	2.6197885	20	5 11.1	20.1
219766 2001 YS_{93}	17.0	X	196.31270	139.82409	219.74313	2.00714	0.2482333	0.23643416	2.5901758	20	3 18.8	21.6
219767 2001 YY_{96}	15.6	X	203.32679	233.55324	75.23077	16.18463	0.2072993	0.22888497	2.6468208	20	1 28.4	20.3
219768 2001 YZ_{108}	15.6	X	187.14762	331.52022	50.95033	4.22621	0.1822022	0.23472513	2.6027332	20	4 9.7	20.0
219769 2001 YY_{125}	15.8	X	76.89675	80.77509	349.15979	5.92988	0.1180004	0.22304832	2.6927957	20	2 2.8	19.0
219770 2001 YZ_{130}	16.2	X	134.02530	2.57885	65.22911	8.55516	0.2855784	0.23081071	2.6320779	20	4 27.2	20.7
219771 2001 YZ_{135}	15.7	X	169.41558	69.98947	343.05180	11.88778	0.1786117	0.23779460	2.5802873	20	4 25.4	20.1
219772 2001 YX_{137}	15.8	X	88.65936	71.11235	21.47462	11.67732	0.1624923	0.22585279	2.6704580	20	3 27.5	19.2
219773 2001 YD_{138}	14.7	X	293.09644	306.80760	21.30143	13.85738	0.2084113	0.24226223	2.5484664	20	5 9.8	18.1
219774 2001 YY_{145}	15.9	X	238.28329	18.67990	315.59739	9.60298	0.1325543	0.23785503	2.5798502	20	3 24.2	19.9
219775 2002 AU_{2}	17.2	X	201.42882	148.96224	331.31241	17.56376	0.0817167	0.35270354	1.9839444	20	9 9.4	19.4
219776 2002 AX_{4}	16.3	X	355.17150	126.99553	2.77488	3.76690	0.1086667	0.21450276	2.7638478	20	—	—
219777 2002 AY_{5}	15.5	X	330.71109	220.60032	284.16216	14.45354	0.0914217	0.21568947	2.7537008	20	—	—
219778 2002 AQ_{8}	15.9	X	157.42430	118.13926	328.70736	27.33254	0.3825289	0.23382305	2.6094231	20	6 6.2	21.5
219779 2002 AS_{13}	15.5	X	124.13146	332.23501	124.99400	13.62897	0.2516224	0.22955175	2.6416928	20	5 24.2	20.0
219780 2002 AF_{15}	15.8	X	163.79417	334.43595	37.92207	13.66075	0.2988813	0.22950966	2.6420158	20	3 18.8	20.7
219781 2002 AA_{25}	16.3	X	211.73001	207.20590	194.27234	4.16987	0.2724330	0.23871821	2.5736275	20	5 20.5	20.9
219782 2002 AB_{28}	16.1	X	319.82056	189.62014	328.84985	7.72488	0.2378440	0.21260730	2.7802506	20	—	—
219783 2002 AL_{28}	15.5	X	77.25825	117.98249	353.01913	11.52345	0.1121280	0.22479234	2.6788499	20	3 24.3	18.8
219784 2002 AK_{30}	16.2	X	4.78767	252.07346	261.84653	2.04779	0.1314139	0.22048508	2.7136255	20	1 23.9	19.1
219785 2002 AK_{65}	16.2	X	127.08776	206.26361	206.57734	0.91357	0.3355935	0.22636135	2.6664566	20	4 5.5	20.7
219786 2002 AY_{76}	16.6	X	223.12778	352.92485	55.62906	3.47207	0.2366776	0.24163045	2.5529067	20	6 8.5	20.9
219787 2002 AB_{83}	16.6	X	135.74054	292.98332	173.60278	5.15401	0.1859656	0.23496173	2.6009857	20	6 7.3	20.8
219788 2002 AN_{85}	16.1	X	211.50870	178.80183	202.99088	4.59998	0.2984904	0.23744288	2.5828347	20	4 25.2	20.7
219789 2002 AS_{85}	16.1	X	70.35361	230.52651	190.62096	4.54695	0.1049123	0.21842290	2.7306787	20	1 9.3	19.5
219790 2002 AD_{87}	16.3	X	186.41494	273.26894	148.83936	5.84033	0.2633132	0.23732582	2.5836840	20	5 27.7	21.0
219791 2002 AE_{95}	16.6	X	174.73446	47.63284	332.94874	2.18288	0.2806484	0.23176231	2.6248682	20	3 28.8	21.4
219792 2002 AZ_{100}	16.5	X	256.69503	1.26186	60.06918	3.34296	0.1481121	0.24550586	2.5259697	20	8 12.9	19.8
219793 2002 AM_{101}	16.3	X	101.70361	97.00757	308.80967	3.73049	0.1563553	0.22214758	2.7000698	20	2 10.1	19.9
219794 2002 AD_{104}	16.0	X	137.31922	279.91806	111.55668	7.93379	0.1493243	0.22506902	2.6766540	20	3 5.9	20.0
219795 2002 AK_{121}	15.9	X	149.00370	285.34849	120.68233	13.55883	0.2524172	0.22868076	2.6483962	20	4 14.6	20.6
219796 2002 AZ_{132}	16.5	X	58.09542	133.69918	300.17544	6.19140	0.1633262	0.21921780	2.7240736	20	1 13.3	19.2
219797 2002 AD_{133}	16.4	X	52.13910	353.07270	90.83347	2.99204	0.1002572	0.21905530	2.7254206	20	1 11.1	19.6
219798 2002 AW_{135}	16.7	X	116.79386	304.63269	137.63817	3.15899	0.1298452	0.22920861	2.6443286	20	4 12.3	20.4
219799 2002 AA_{142}	16.2	X	121.92735	121.99468	276.19440	5.05898	0.0543333	0.22277287	2.6950150	20	2 9.7	20.0
219800 2002 AD_{146}	16.1	X	182.98067	213.78256	137.17755	3.44958	0.1165678	0.22512920	2.6761770	20	2 26.1	20.2
219801 2002 AY_{146}	16.8	X	133.84008	136.93203	265.05826	0.56199	0.2124470	0.22663251	2.6643294	20	3 18.3	21.0
219802 2002 AC_{150}	16.8	X	213.01527	2.21097	51.14536	3.05770	0.2338389	0.23998213	2.5645831	20	6 6.1	21.1
219803 2002 AX_{151}	15.8	X	211.52872	81.99678	317.46647	3.42784	0.2817642	0.23681419	2.5874040	20	5 15.8	20.4
219804 2002 AF_{155}	15.8	X	178.44273	68.16094	357.08509	5.38950	0.2970572	0.23454878	2.6040377	20	5 23.2	20.6
219805 2002 AN_{157}	16.3	X	60.01424	156.65430	304.06415	4.08892	0.0737116	0.22014827	2.7163926	20	2 10.9	19.8
219806 2002 AZ_{163}	16.4	X	130.07490	155.50703	257.93468	2.23806	0.2018720	0.22524437	2.6752646	20	3 26.9	20.5
219807 2002 AO_{173}	16.7	X	100.08818	101.44514	319.82788	4.27780	0.1366114	0.22239523	2.6980650	20	2 24.5	20.2
219808 2002 AT_{180}	15.3	X	190.42705	62.86946	331.67853	14.27816	0.1124669	0.23544482	2.5974266	20	4 19.3	19.6
219809 2002 AQ_{186}	16.0	X	102.38418	96.59384	328.61605	11.52181	0.1636928	0.22426468	2.6830502	20	3 5.5	19.6
219810 2002 AC_{187}	15.9	X	85.82126	355.90247	64.39104	9.48383	0.2072384	0.22035469	2.7146959	20	2 20.2	19.4
219811 2002 AF_{189}	15.7	X	171.83095	223.30670	199.00738	12.88527	0.2457790	0.23435660	2.6054611	20	5 17.0	20.3
219812 2002 AM_{193}	16.3	X	134.75435	260.07271	107.90312	6.14117	0.1332789	0.21933466	2.7231060	20	1 31.1	20.3
219813 2002 AQ_{197}	15.5	X	187.71203	332.00403	75.34351	14.25035	0.1464761	0.23458068	2.6038016	20	5 12.8	19.7
219814 2002 BA_{3}	16.2	X	70.72980	118.70197	0.67104	12.84898	0.2092011	0.22552532	2.6730424	20	4 8.7	19.5
219815 2002 BX_{4}	15.2	X	79.16728	114.55431	342.83566	16.32246	0.2602126	0.22494471	2.6776401	20	3 28.1	18.7
219816 2002 BD_{23}	15.6	X	138.68196	77.56484	2.09729	10.01640	0.2235099	0.23300830	2.6155024	20	5 5.7	20.0
219817 2002 BK_{23}	15.9	X	202.48237	6.39177	47.33946	12.37397	0.2019295	0.23872407	2.5735854	20	5 28.6	20.3
219818 2002 BN_{23}	15.6	X	123.59978	18.20986	28.44332	11.85384	0.1330067	0.22528211	2.6749659	20	3 10.2	19.6
219819 2002 BE_{24}	15.9	X	45.89416	133.68638	348.18152	14.24833	0.1852133	0.22279728	2.6948182	20	2 29.4	18.6
219820 2002 BD_{26}	15.8	X	170.97861	42.48585	4.04737	32.85686	0.3125513	0.23390325	2.6088266	20	4 14.3	21.0
219821 2002 BW_{26}	16.1	X	185.80260	353.11346	21.86646	4.05064	0.2212991	0.23142931	2.6273855	20	3 30.4	20.7
219822 2002 CB_{4}	16.3	X	207.69414	57.39126	53.46578	4.52134	0.1818200	0.24282335	2.5445388	20	8 19.4	20.3
219823 2002 CE_{17}	15.5	X	286.50631	206.08323	317.68419	12.14188	0.0794611	0.20953484	2.8073629	20	—	—
219824 2002 CH_{17}	15.6	X	162.22394	41.55511	322.08180	11.01721	0.0709091	0.22233462	2.6985553	20	2 16.7	19.5
219825 2002 CG_{20}	15.8	X	280.75149	140.91329	65.40386	4.11543	0.0198364	0.21257471	2.7805347	20	—	—
219826 2002 CA_{28}	16.0	X	90.63373	340.12853	94.37589	8.73831	0.1793445	0.22308029	2.6925385	20	3 11.6	19.6
219827 2002 CQ_{35}	16.2	X	44.47078	192.33410	284.48176	3.94954	0.1161089	0.22061904	2.7125269	20	2 11.0	19.1
219828 2002 CW_{36}	15.8	X	127.75168	255.37694	119.16862	10.15313	0.1337942	0.21824556	2.7321577	20	1 31.5	19.8
219829 2002 CR_{39}	15.9	X	100.50514	102.10523	332.22531	10.84589	0.1750546	0.22329502	2.6908120	20	3 15.8	19.6
219830 2002 CB_{49}	16.6	X	79.53810	124.80429	316.27951	4.16547	0.1435648	0.22117134	2.7080093	20	2 23.1	19.8
219831 2002 CF_{56}	15.7	X	14.09595	134.66283	331.67713	7.99011	0.1276195	0.21164138	2.7887034	20	—	—
219832 2002 CB_{63}	15.6	X	353.51768	132.27166	26.66506	9.50845	0.0680273	0.21667662	2.7453308	20	1 22.8	19.2
219833 2002 CB_{80}	16.3	X	48.24790	336.36909	83.58776	1.81509	0.0640366	0.21076691	2.7964116	20	—	—
219834 2002 CK_{80}	12.7	X	193.05462	161.29172	345.55723	10.38223	0.0374411	0.08312262	5.1998390	20	9 9.2	19.6
219835 2002 CH_{82}	13.2	X	250.44349	121.50402	337.57757	6.50831	0.0962950	0.08487435	5.1280441	20	9 9.6	20.1
219836 2002 CW_{88}	16.0	X	42.23095	306.85642	112.66577	5.55051	0.0918625	0.21074273	2.7966255	20	—	—
219837 2002 CH_{109}	12.6	X	278.06180	92.35391	346.81065	7.07020	0.0640947	0.08448395	5.1438297	20	9 21.7	19.3
219838 2002 CG_{120}	16.5	X	115.15290	261.43472	174.58616	4.30207	0.2593677	0.22764168	2.6564493	20	4 17.5	20.6
219839 2002 CX_{120}	15.9	X	69.07862	99.64806	301.56207	8.63432	0.0746443	0.21347197	2.7727378	20	—	—
219840 2002 CJ_{130}	16.2	X	122.70834	253.95369	173.94051	4.44454	0.2614126	0.22589153	2.6701526	20	4 14.7	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219841 2002 CJ_{136}	16.0	X	178.50659	249.43571	152.79142	13.91826	0.2862896	0.23435394	2.6054808	20	4 30.9	20.9
219842 2002 CY_{145}	16.1	X	165.59875	167.79713	255.10517	1.33621	0.3096692	0.23184555	2.6242399	20	5 12.9	20.8
219843 2002 CV_{147}	16.0	X	64.73040	319.99482	98.43594	4.92994	0.0455492	0.21460567	2.7629642	20	—	—
219844 2002 CQ_{148}	13.4	X	313.80813	169.89343	233.59316	2.37005	0.0792271	0.08718537	5.0370197	20	9 23.7	19.8
219845 2002 CZ_{178}	17.2	X	87.30897	39.57990	39.52825	2.14040	0.1793539	0.22288634	2.6941002	20	3 9.6	20.6
219846 2002 CL_{179}	16.4	X	14.19537	10.07603	94.01956	2.45010	0.0567627	0.21365853	2.7711235	20	—	—
219847 2002 CX_{198}	16.0	X	118.57676	336.48410	341.09185	5.29309	0.0651750	0.20496039	2.8489801	20	—	—
219848 2002 CO_{199}	16.0	X	279.13088	223.79051	336.89816	5.08494	0.0196136	0.21134260	2.7913311	20	—	—
219849 2002 CS_{204}	16.2	X	204.53159	143.11507	101.22098	3.31325	0.0117674	0.20642616	2.8354776	20	—	—
219850 2002 CA_{205}	16.2	X	331.11373	354.84733	117.68859	3.77955	0.1228478	0.20710445	2.8292832	20	—	—
219851 2002 CP_{210}	16.1	X	43.93902	103.23364	0.52526	4.04910	0.0988101	0.21608869	2.7503081	20	1 25.8	19.3
219852 2002 CL_{212}	17.1	X	118.24570	71.68283	9.48863	1.52692	0.1916385	0.22667677	2.6639826	20	4 18.4	21.1
219853 2002 CU_{212}	16.0	X	123.09440	326.18252	331.81562	8.57878	0.0569388	0.20207177	2.8760667	20	—	—
219854 2002 CS_{219}	15.0	X	141.17478	237.81970	354.38721	17.67537	0.1497310	0.19093190	2.9868750	20	11 1.4	20.1
219855 2002 CE_{220}	16.0	X	357.67486	300.61042	144.87409	2.96971	0.0381490	0.20535041	2.8453717	20	—	—
219856 2002 CN_{225}	15.8	X	167.75437	265.82459	164.93061	14.24778	0.3122534	0.23559910	2.5962925	20	5 26.7	20.8
219857 2002 CB_{230}	14.0	X	293.08557	255.76255	161.00631	3.06879	0.0772926	0.08458212	5.1398487	20	9 13.8	20.6
219858 2002 CD_{232}	16.2	X	150.85448	29.59844	26.37111	6.14747	0.2666478	0.23140047	2.6276038	20	4 22.3	20.6
219859 2002 CX_{245}	15.6	X	206.33540	236.48580	172.88139	12.64864	0.2763736	0.23764619	2.5813614	20	5 27.3	20.4
219860 2002 CN_{246}	15.9	X	120.59212	204.10955	138.00405	16.31613	0.2158096	0.21060480	2.7978465	20	—	—
219861 2002 CP_{250}	16.4	X	33.35832	283.03702	117.07832	3.06842	0.0736741	0.20483484	2.8501442	20	—	—
219862 2002 CM_{251}	16.1	X	2.88934	98.19433	24.49942	5.00386	0.0882211	0.21550674	2.7552572	20	—	—
219863 2002 CV_{252}	15.4	X	172.72354	33.50205	9.82274	15.01826	0.2717588	0.23070857	2.6328547	20	4 20.3	20.3
219864 2002 CK_{254}	16.1	X	353.56578	171.76368	298.27855	3.07026	0.0625142	0.21084251	2.7957431	20	—	—
219865 2002 CN_{254}	15.5	X	60.91379	326.70154	321.81817	11.72862	0.1015513	0.19199656	2.9758229	20	10 15.9	19.9
219866 2002 CS_{266}	13.7	X	239.34017	56.94058	55.56504	1.61392	0.0212880	0.08533397	5.1096138	20	9 22.8	20.5
219867 2002 CM_{270}	16.8	X	3.98162	119.19977	345.94354	2.92738	0.0553341	0.21027895	2.8007360	20	—	—
219868 2002 CV_{273}	16.2	X	98.01314	242.01652	150.27483	3.33393	0.0814767	0.21401087	2.7680812	20	1 9.6	19.9
219869 2002 CX_{277}	16.3	X	73.41674	267.71421	146.05096	4.43359	0.0938015	0.21429376	2.7656445	20	1 4.3	19.6
219870 2002 CB_{283}	15.8	X	97.40687	273.77105	322.95368	10.74619	0.1000492	0.18846684	3.0128632	20	9 24.7	20.4
219871 2002 CC_{286}	15.6	X	86.72194	84.52525	297.71510	5.10459	0.0428285	0.21073211	2.7967195	20	—	—
219872 2002 CY_{301}	16.4	X	341.65988	73.22308	50.20868	4.01730	0.1358126	0.21075694	2.7964998	20	—	—
219873 2002 CG_{307}	15.9	X	35.06261	80.55149	3.73981	6.20994	0.0441141	0.21325077	2.7746550	20	—	—
219874 2002 CU_{314}	16.7	X	354.73805	289.94656	188.30120	4.14166	0.0188399	0.21001615	2.8030720	20	—	—
219875 2002 DX_{5}	15.8	X	175.67067	207.78198	195.03297	6.08470	0.2841354	0.23333107	2.6130898	20	4 26.3	20.5
219876 2002 DK_{7}	15.3	X	151.09097	355.04984	54.10307	14.39811	0.1638172	0.22840821	2.6505027	20	4 13.5	19.6
219877 2002 DD_{15}	16.0	X	175.50026	96.73939	197.68493	3.96687	0.0355703	0.20942063	2.8083835	20	—	—
219878 2002 EH_{2}	16.2	X	45.88618	173.43000	217.52765	1.23329	0.0626472	0.20298976	2.8673891	20	—	—
219879 2002 ET_{4}	16.5	X	116.19469	330.47592	358.30813	1.55067	0.0128678	0.20356165	2.8620161	20	—	—
219880 2002 EO_{8}	15.9	X	134.05708	69.14108	166.19473	10.69722	0.0581308	0.19172302	2.9786528	20	11 6.1	20.5
219881 2002 ES_{32}	12.7	X	260.24016	57.00761	26.42316	9.88867	0.0258060	0.08394603	5.1657803	20	9 15.4	19.6
219882 2002 EY_{36}	16.2	X	339.42253	280.20952	154.90590	9.80636	0.0396435	0.19967101	2.8990745	20	12 30.3	20.1
219883 2002 EB_{38}	16.0	X	118.88696	99.52833	203.79969	1.28816	0.0467430	0.19900733	2.9055164	20	—	—
219884 2002 EH_{49}	15.2	X	18.09845	298.86785	344.46941	22.70929	0.2149134	0.18037038	3.1023627	20	8 30.9	18.6
219885 2002 EP_{58}	15.7	X	200.27584	305.93403	298.15282	3.75493	0.0980145	0.20295437	2.8677224	20	—	—
219886 2002 ER_{58}	15.4	X	109.91685	271.94234	316.83746	5.27851	0.1153743	0.18754360	3.0227430	20	10 1.7	20.1
219887 2002 EZ_{61}	15.7	X	34.28338	234.60499	197.00749	6.14355	0.1299118	0.20927365	2.8096983	20	—	—
219888 2002 EU_{64}	15.7	X	230.17395	253.82855	336.47920	5.05492	0.0700981	0.20430956	2.8550272	20	—	—
219889 2002 EJ_{66}	15.4	X	121.62518	238.35510	351.69484	10.42945	0.0433595	0.18842662	3.0132919	20	10 9.9	19.8
219890 2002 EO_{80}	12.9	X	265.33491	72.43512	9.59217	8.50183	0.1298748	0.08214444	5.2410375	20	9 4.8	19.9
219891 2002 EK_{83}	14.7	X	346.85514	311.41868	2.00062	22.18395	0.1156262	0.17784657	3.1316441	20	8 14.3	18.8
219892 2002 EF_{95}	13.3	X	261.25846	291.60219	165.23985	6.08632	0.0454943	0.08310206	5.2006967	20	9 26.3	20.2
219893 2002 EQ_{96}	15.3	X	40.99442	102.08206	178.11661	13.86702	0.2243919	0.18014708	3.1049259	20	10 2.9	19.3
219894 2002 EK_{108}	15.7	X	51.45266	300.05038	344.18883	8.26070	0.0951702	0.18751027	3.0231011	20	9 30.8	19.8
219895 2002 EJ_{109}	16.3	X	337.23282	243.47923	158.49523	10.21437	0.0680533	0.19492555	2.9459375	20	11 18.6	20.2
219896 2002 EW_{111}	13.2	X	358.88683	327.81693	27.02465	2.02069	0.0356270	0.08366980	5.1771438	20	9 27.7	19.9
219897 2002 ET_{114}	13.2	X	263.57612	319.17786	121.34396	3.70992	0.1126772	0.08162240	5.2633606	20	9 2.1	20.1
219898 2002 ER_{118}	15.8	X	68.48513	95.31492	284.14032	0.96501	0.0791388	0.20386344	2.8591909	20	—	—
219899 2002 EH_{119}	15.6	X	107.65547	328.69049	293.57595	3.67365	0.1486296	0.18963586	3.0004685	20	11 12.4	20.4
219900 2002 ET_{125}	15.9	X	91.91184	298.31847	94.35129	3.79537	0.0192312	0.21141856	2.7906624	20	—	—
219901 2002 EC_{132}	15.8	X	139.01030	68.69780	170.03757	10.26517	0.0569293	0.19180546	2.9777991	20	11 15.1	20.4
219902 2002 EG_{134}	12.9	X	297.25316	191.83949	224.52874	4.63859	0.0828858	0.08277003	5.2145955	20	9 15.6	19.7
219903 2002 ES_{135}	15.6	X	222.80538	108.13711	116.80459	3.26566	0.0295899	0.20214673	2.8753557	20	—	—
219904 2002 EL_{136}	15.7	X	27.46281	261.90078	150.36840	2.56843	0.0622461	0.20351861	2.8624196	20	—	—
219905 2002 ET_{140}	13.3	X	275.36435	60.69876	24.74538	5.87502	0.0329102	0.08427453	5.1523476	20	10 1.4	20.0
219906 2002 ES_{148}	16.1	X	38.29235	72.69286	14.62237	1.91983	0.1267563	0.21090909	2.7951547	20	—	—
219907 2002 EL_{160}	13.4	X	276.33213	284.97394	155.24340	6.75489	0.0820951	0.08211999	5.2420778	20	9 20.2	20.2
219908 2002 ES_{161}	13.3	X	268.00574	242.48179	208.57630	8.62421	0.0718469	0.08623285	5.0740440	20	9 22.0	20.1
219909 2002 FF_{8}	15.1	X	48.00456	41.94562	191.89228	17.28271	0.1764499	0.17665845	3.1456696	20	8 1.0	19.5
219910 2002 FX_{23}	16.2	X	11.62373	228.45217	176.86418	6.32752	0.0903698	0.19891776	2.9063885	20	—	—
219911 2002 FD_{25}	14.7	X	27.38743	240.21820	17.13156	27.15208	0.2140306	0.17786434	3.1314354	20	8 25.7	18.9
219912 2002 FR_{41}	15.6	X	15.53259	308.25234	356.99576	4.38886	0.1754025	0.17775244	3.1327495	20	9 16.8	19.3
219913 2002 GE_{1}	15.5	X	117.20210	8.75005	191.81952	11.14304	0.0726856	0.18149503	3.0895333	20	8 31.6	20.1
219914 2002 GX_{7}	17.2	X	155.55065	237.20006	49.10084	7.52135	0.2926068	0.30266231	2.1970022	20	—	—
219915 2002 GB_{9}	15.9	X	126.77769	126.62000	120.49750	3.25150	0.1937699	0.18655622	3.0333991	20	11 15.0	21.0
219916 2002 GZ_{13}	15.0	X	12.46838	304.81019	26.85774	16.06301	0.1018376	0.18263548	3.0766584	20	10 10.9	18.8
219917 2002 GP_{26}	14.8	X	283.86209	331.80909	30.64419	9.67407	0.0956538	0.17471246	3.1689846	20	7 3.9	19.3
219918 2002 GZ_{37}	16.0	X	85.41590	25.48769	245.35590	0.62913	0.1497447	0.18351300	3.0668427	20	11 1.2	20.6
219919 2002 GA_{57}	15.0	X	4.34060	314.47881	3.04153	14.77005	0.0562214	0.18296094	3.0730088	20	9 8.0	19.0
219920 2002 GV_{61}	15.2	X	356.23258	144.00922	208.32839	9.64203	0.1078282	0.18295755	3.0730467	20	10 10.2	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
219921 2002 GX_{65}	15.5	X	279.77563	266.99555	191.65322	9.94015	0.0679701	0.19098407	2.9863310	20	11 5.9	19.5
219922 2002 GH_{66}	15.0	X	17.14497	115.95039	189.87250	9.72158	0.2276459	0.17701334	3.1414638	20	9 26.9	18.6
219923 2002 GK_{71}	16.1	X	26.03103	341.99096	136.15857	5.09692	0.1596133	0.21247391	2.7814141	20	1 14.4	18.9
219924 2002 GY_{71}	15.7	X	21.89101	317.44447	170.64198	6.50470	0.1368930	0.21294616	2.7773003	20	1 19.8	18.9
219925 2002 GB_{75}	15.2	X	69.98725	285.18683	32.79735	11.94679	0.1020824	0.18989129	2.9977772	20	12 4.8	19.7
219926 2002 GZ_{76}	15.0	X	219.92772	354.46999	162.84067	11.83212	0.0238937	0.19029227	2.9935645	20	11 10.6	19.4
219927 2002 GK_{85}	15.5	X	76.71136	66.45747	170.92469	10.29290	0.0985629	0.17980115	3.1089071	20	9 4.4	20.0
219928 2002 GC_{87}	14.9	X	44.42140	224.62062	61.55647	10.54875	0.1315085	0.18068384	3.0987736	20	10 5.5	19.2
219929 2002 GZ_{90}	15.8	X	90.86244	168.35281	91.34008	2.78136	0.1317862	0.18258729	3.0771997	20	10 23.7	20.4
219930 2002 GO_{94}	15.5	X	333.97195	76.90954	6.46301	16.06382	0.1000794	0.19809810	2.9144001	20	—	—
219931 2002 GW_{94}	15.0	X	342.17351	290.30114	17.87321	9.52821	0.0872193	0.17469538	3.1691911	20	7 22.7	19.1
219932 2002 GS_{96}	15.0	X	33.16000	109.19809	214.92174	9.53591	0.1162370	0.18560452	3.0437597	20	10 31.7	18.9
219933 2002 GF_{100}	15.8	X	97.10951	4.00564	198.14595	7.69423	0.1525531	0.17928540	3.1148664	20	8 19.7	20.6
219934 2002 GD_{109}	15.7	X	58.24801	59.47015	151.00926	6.50932	0.1428616	0.17321471	3.1872261	20	7 14.0	20.0
219935 2002 GH_{128}	16.0	X	35.18330	45.30057	202.21902	5.40067	0.1423095	0.17468689	3.1692939	20	7 27.5	20.1
219936 2002 GS_{131}	15.3	X	319.98890	213.04941	219.93731	9.26966	0.0346478	0.19239526	2.9717103	20	11 30.3	19.2
219937 2002 GQ_{132}	18.0	X	220.26864	235.99027	8.08203	5.30060	0.1774153	0.30924968	2.1656913	20	—	—
219938 2002 GY_{138}	15.2	X	76.00805	158.07499	145.33112	7.96798	0.0520872	0.19092990	2.9868959	20	11 22.3	19.6
219939 2002 GN_{139}	15.5	X	139.37193	111.43416	103.24158	3.80477	0.0767698	0.18672358	3.0315863	20	10 16.7	20.1
219940 2002 GD_{144}	15.1	X	76.06569	121.54510	155.95860	9.78023	0.0585173	0.18571781	3.0425216	20	10 22.5	19.5
219941 2002 GT_{145}	14.6	X	358.19235	300.56406	358.05491	17.26769	0.1933544	0.17438691	3.1729273	20	8 13.2	18.2
219942 2002 GU_{145}	15.2	X	171.90441	206.33476	358.52955	11.00177	0.0457320	0.19003536	2.9962619	20	11 3.9	19.8
219943 2002 GS_{148}	15.7	X	218.00373	234.31690	288.24142	1.67347	0.0368396	0.19128966	2.9831497	20	11 9.6	19.8
219944 2002 GZ_{148}	15.1	X	31.29098	224.14190	55.19330	5.99614	0.1452808	0.17830159	3.1263139	20	9 7.4	19.1
219945 2002 GN_{150}	15.9	X	77.00146	6.80422	276.33177	1.10779	0.0780792	0.18627434	3.0364586	20	10 29.7	20.1
219946 2002 GP_{158}	14.7	X	26.82022	276.13372	67.02277	10.88156	0.1299781	0.18501456	3.0502266	20	11 18.3	18.6
219947 2002 GC_{160}	15.2	X	43.05102	73.07615	194.23517	18.14257	0.1593061	0.17474950	3.1685368	20	9 4.4	19.6
219948 2002 GX_{164}	15.4	X	239.41255	306.36964	187.13828	8.60674	0.0618829	0.18868098	3.0105832	20	10 28.7	19.6
219949 2002 GR_{167}	15.2	X	42.07432	273.81240	15.32759	10.43034	0.1172280	0.17964373	3.1107230	20	9 29.7	19.2
219950 2002 GA_{168}	14.8	X	6.38992	304.42759	18.59906	22.45320	0.1471230	0.17942202	3.1132850	20	9 27.5	18.6
219951 2002 GF_{173}	15.7	X	146.88558	127.40131	155.85373	3.41811	0.0436139	0.19679253	2.9272758	20	—	—
219952 2002 GA_{174}	15.0	X	23.21335	164.31115	152.50236	10.56231	0.1276331	0.17967289	3.1103864	20	10 11.6	19.0
219953 2002 GB_{180}	15.4	X	58.80188	139.38816	196.42131	10.39131	0.0876575	0.18980572	2.9986781	20	12 13.9	19.8
219954 2002 GL_{184}	13.0	X	271.76678	249.17266	204.20486	15.53521	0.1164624	0.08352355	5.1831854	20	9 22.3	19.9
219955 2002 HB_{1}	14.9	X	87.71691	247.57090	20.15303	11.96789	0.1641866	0.18803935	3.0174278	20	10 30.9	19.6
219956 2002 HM_{17}	15.0	X	34.75002	231.68914	41.60063	10.63601	0.1254131	0.17663439	3.1459553	20	9 4.1	19.2
219957 2002 JZ_{4}	15.5	X	126.28630	9.84779	220.42798	5.69247	0.2270174	0.18499910	3.0503965	20	10 26.1	20.8
219958 2002 JG_{16}	12.8	X	134.13851	183.26639	38.37655	16.32788	0.0521435	0.08580475	5.0909070	20	10 7.4	19.9
219959 2002 JC_{20}	14.9	X	3.96491	230.25249	103.64643	12.44913	0.1020882	0.18018681	3.1044694	20	10 4.9	19.0
219960 2002 JD_{54}	14.9	X	124.34279	329.92157	228.29771	16.68406	0.0715722	0.17967809	3.1103264	20	9 1.1	19.9
219961 2002 JP_{60}	14.7	X	52.64730	356.88896	2.83434	10.45981	0.1012942	0.19117870	2.9843039	20	—	—
219962 2002 JM_{72}	14.8	X	38.89414	91.41406	208.06343	16.01624	0.1353516	0.17701676	3.1414233	20	10 8.3	18.9
219963 2002 JO_{84}	17.5	X	143.47291	25.73606	236.16371	3.92242	0.1762234	0.29860777	2.2168449	20	—	—
219964 2002 JE_{85}	15.0	X	31.85368	205.75194	48.18237	5.72081	0.1450237	0.17210629	3.2008959	20	8 3.6	19.0
219965 2002 JG_{85}	15.9	X	86.10803	188.27787	50.91275	3.15614	0.1386800	0.17882183	3.1202474	20	9 24.4	20.5
219966 2002 JP_{86}	14.9	X	5.39190	81.50333	225.73967	8.67886	0.0816703	0.17511138	3.1641700	20	8 20.3	19.1
219967 2002 JX_{93}	14.6	X	11.66010	59.81275	243.44326	9.18563	0.1234002	0.17382695	3.1797378	20	8 27.2	18.7
219968 2002 JC_{95}	15.0	X	25.80924	27.13462	250.73272	8.62345	0.0681972	0.17310397	3.1885853	20	8 10.9	19.3
219969 2002 JB_{108}	14.7	X	94.72809	40.06337	131.37318	17.18890	0.1419499	0.17392335	3.1785627	20	7 10.5	19.4
219970 2002 JR_{116}	14.9	X	87.09311	142.40415	113.01418	18.14229	0.0870129	0.18457353	3.0550837	20	10 17.3	19.7
219971 2002 JC_{119}	15.4	X	84.35164	65.65646	160.42091	17.08593	0.1886241	0.17708894	3.1405696	20	9 11.7	20.1
219972 2002 JL_{119}	15.3	X	208.13787	279.46992	213.92468	9.14983	0.0209727	0.18334376	3.0687297	20	9 21.5	19.7
219973 2002 JU_{128}	17.7	X	165.75182	95.17144	179.33277	5.19779	0.1996424	0.30261326	2.1972396	20	—	—
219974 2002 JM_{137}	16.3	X	53.46844	16.69604	254.47056	0.73421	0.1522134	0.17686664	3.1432006	20	9 25.4	20.6
219975 2002 KA_{11}	15.0	X	64.56111	92.61491	165.22764	7.70461	0.1024175	0.17777825	3.1324463	20	9 16.6	19.4
219976 2002 LD	15.0	X	8.56331	154.48611	127.40177	8.64151	0.0330468	0.17058840	3.2198556	20	7 23.3	19.3
219977 2002 LM_{2}	17.1	X	132.44755	179.64233	121.21232	6.53637	0.2371373	0.29913957	2.2142168	20	—	—
219978 2002 LC_{22}	16.6	X	168.46516	103.27366	251.30581	2.26285	0.1822620	0.31233647	2.1513988	20	2 10.2	19.8
219979 2002 LT_{23}	16.7	X	96.36122	201.04827	98.63265	8.14264	0.2220741	0.29058654	2.2574547	20	—	—
219980 2002 LH_{37}	16.6	X	54.01027	66.80127	271.25322	22.40150	0.2336744	0.28765733	2.2727539	20	—	—
219981 2002 LL_{49}	14.8	X	10.02852	108.44894	210.80098	16.67938	0.1574374	0.17571594	3.1569081	20	9 19.7	18.7
219982 2002 LE_{50}	16.9	X	121.44859	333.36473	314.14745	4.97266	0.2567053	0.29318937	2.2440743	20	—	—
219983 2002 LU_{61}	17.9	X	161.49777	85.65510	190.65741	7.36849	0.2335578	0.30092026	2.2054731	20	—	—
219984 2002 NJ_{23}	17.2	X	108.02042	61.06669	216.86333	4.09189	0.1671484	0.28967104	2.2622087	20	12 20.1	20.7
219985 2002 NO_{34}	16.9	X	110.95470	97.24213	240.30045	6.16811	0.1428136	0.29707925	2.2244424	20	—	—
219986 2002 NY_{42}	17.5	X	164.32938	220.84006	44.66582	5.24155	0.1768043	0.29702211	2.2247277	20	—	—
219987 2002 NE_{44}	15.3	X	49.80808	45.20613	291.97972	15.03324	0.2364589	0.17613017	3.1519565	20	12 22.1	20.0
219988 2002 NA_{46}	17.3	X	100.51423	24.39015	272.62616	4.38565	0.1688665	0.29125715	2.2539883	20	—	—
219989 2002 NK_{52}	17.5	X	159.85509	314.38421	318.41357	5.37282	0.2131498	0.29730275	2.2233275	20	—	—
219990 2002 NN_{64}	17.1	X	141.48116	189.27133	93.17383	7.44484	0.1152684	0.29595666	2.2300639	20	—	—
219991 2002 NC_{65}	17.4	X	100.73260	215.96754	163.29584	6.16986	0.0410112	0.30265668	2.1970294	20	—	—
219992 2002 OO_{4}	17.6	X	20.10215	168.65551	150.04884	3.12254	0.1854829	0.28034955	2.3120798	20	11 7.9	20.0
219993 2002 OL_{13}	16.7	X	129.52615	74.43667	220.00670	6.64847	0.1195273	0.29462653	2.2367708	20	—	—
219994 2002 OJ_{18}	17.4	X	53.04522	153.83789	181.12038	5.81930	0.2224310	0.28657810	2.2784564	20	—	—
219995 2002 PP_{12}	17.1	X	358.39339	221.60405	205.70658	3.89086	0.1215898	0.29211500	2.2495733	20	—	—
219996 2002 PV_{13}	17.1	X	108.69667	19.97151	288.02371	3.55350	0.1568367	0.29354745	2.2422490	20	—	—
219997 2002 PL_{16}	17.5	X	64.05991	28.61891	297.25011	2.53338	0.1803713	0.28827701	2.2694958	20	—	—
219998 2002 PG_{23}	17.0	X	18.65779	193.50763	166.88133	6.62226	0.1421893	0.28452710	2.2893927	20	12 26.5	19.9
219999 2002 PP_{26}	17.8	X	101.28392	122.66286	158.11810	5.30627	0.1704174	0.28828839	2.2694360	20	12 17.7	21.3
220000 2002 PQ_{30}	17.8	X	43.50640	109.65501	224.68662	2.55043	0.2355424	0.28485064	2.2876588	20	—	—