Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236001 2005 GB_{23}	15.5	X	52.61674	297.83417	156.26004	10.98921	0.0861866	0.18822398	3.0154542	20	1 28.7	19.4
236002 2005 GW_{23}	15.7	X	350.90703	90.17932	330.13352	22.23714	0.1646512	0.18063702	3.0993090	20	—	—
236003 2005 GA_{24}	15.7	X	18.77627	12.22647	10.33599	4.65493	0.1527299	0.17075054	3.2178169	20	12 24.2	19.9
236004 2005 GE_{27}	15.3	X	301.98630	287.86291	331.93592	9.79343	0.0564571	0.19521718	2.9430029	20	3 19.3	19.4
236005 2005 GG_{29}	15.7	X	294.26128	235.61231	321.99776	3.50518	0.0991061	0.18237354	3.0796036	20	—	—
236006 2005 GQ_{31}	15.3	X	312.96793	352.01859	155.61376	12.64542	0.0248960	0.17794327	3.1305094	20	—	—
236007 2005 GA_{41}	15.0	X	22.42149	78.23622	29.53045	24.28965	0.1172291	0.18410103	3.0603087	20	1 3.2	19.2
236008 2005 GE_{45}	16.0	X	78.32621	15.82222	224.59062	8.37851	0.1069268	0.21516101	2.7582079	20	9 13.1	20.0
236009 2005 GC_{48}	16.0	X	185.50279	268.83481	77.47276	1.93137	0.0392346	0.18920395	3.0050331	20	2 24.7	20.3
236010 2005 GA_{71}	15.6	X	282.86411	346.05764	210.71333	9.73719	0.0601160	0.18023620	3.1039023	20	—	—
236011 2005 GN_{72}	15.2	X	307.30035	114.82146	50.84173	10.04317	0.0399560	0.18069557	3.0986394	20	—	—
236012 2005 GA_{78}	15.2	X	225.08935	193.57614	72.99443	14.33210	0.1533228	0.17990236	3.1077410	20	—	—
236013 2005 GU_{80}	16.5	X	248.60695	230.31801	55.47401	3.17506	0.0718819	0.18829743	3.0146701	20	2 20.2	21.0
236014 2005 GC_{82}	16.2	X	186.11288	0.82844	22.11273	2.18177	0.0540421	0.20309419	2.8664061	20	4 8.6	20.4
236015 2005 GM_{89}	16.2	X	225.63423	224.15830	54.17242	1.70770	0.1291412	0.18185349	3.0854721	20	1 15.9	21.1
236016 2005 GJ_{94}	15.8	X	12.97808	61.92822	30.46945	26.82041	0.1977711	0.18113904	3.0935800	20	—	—
236017 2005 GD_{95}	15.9	X	354.33214	308.00703	163.07660	3.45386	0.1837256	0.18055709	3.1002236	20	—	—
236018 2005 GV_{96}	15.6	X	337.04865	30.90573	48.46636	5.46659	0.1400481	0.17104241	3.2141552	20	12 28.7	19.4
236019 2005 GT_{98}	15.4	X	121.69057	306.72441	34.56853	11.49744	0.0711934	0.17332080	3.1859253	20	—	—
236020 2005 GH_{105}	15.5	X	284.65436	97.82079	64.35977	6.12559	0.0708635	0.17445825	3.1720623	20	—	—
236021 2005 GR_{112}	15.6	X	306.85261	222.18036	2.03233	7.97348	0.0689239	0.18837061	3.0138892	20	2 14.9	19.7
236022 2005 GL_{121}	16.0	X	203.69832	170.76104	105.69917	2.64608	0.1433223	0.17523327	3.1627025	20	—	—
236023 2005 GK_{122}	16.6	X	4.13203	93.24194	192.41594	4.65181	0.1376666	0.21215138	2.7842323	20	7 29.9	19.8
236024 2005 GQ_{128}	16.6	X	119.17430	59.58763	22.77544	19.23585	0.1060641	0.39086878	1.8526017	20	4 2.4	18.2
236025 2005 GN_{133}	15.9	X	232.25537	221.37708	51.52303	7.25810	0.1457796	0.18134791	3.0912040	20	1 15.8	20.9
236026 2005 GG_{139}	15.2	X	332.42322	270.48174	214.79254	15.15469	0.2092583	0.17923712	3.1154258	20	—	—
236027 2005 GM_{141}	15.6	X	312.59458	153.41725	53.54309	6.34246	0.0780021	0.18639005	3.0352017	20	1 30.6	19.8
236028 2005 GZ_{147}	15.7	X	290.24481	184.91091	358.48838	5.16031	0.1054933	0.17914532	3.1164900	20	—	—
236029 2005 GA_{152}	15.8	X	152.35700	353.51645	7.05445	4.35310	0.1212458	0.18444030	3.0565547	20	2 12.9	20.4
236030 2005 GL_{154}	16.3	X	149.89851	357.50728	179.90779	8.66502	0.1244268	0.21931869	2.7232381	20	9 14.3	20.6
236031 2005 GV_{160}	15.4	X	307.89443	359.70304	210.88988	11.58114	0.1407103	0.18447412	3.0561811	20	1 16.0	19.9
236032 2005 GY_{166}	15.0	X	296.21616	329.04009	225.48328	15.58634	0.1563823	0.17945353	3.1129207	20	—	—
236033 2005 GQ_{170}	16.0	X	336.30707	167.37922	27.25165	18.69530	0.1950718	0.18953279	3.0015562	20	2 6.8	20.0
236034 2005 GS_{170}	14.8	X	185.83161	229.79263	69.57478	22.75736	0.2614710	0.17320633	3.1873289	20	1 8.5	20.6
236035 2005 GA_{171}	15.9	X	179.99850	58.41587	220.61114	7.34420	0.0330381	0.17446278	3.1720074	20	—	—
236036 2005 GW_{171}	15.2	X	310.61091	2.14245	184.58083	8.17697	0.0183531	0.18180757	3.0859916	20	1 9.5	19.7
236037 2005 GD_{179}	15.5	X	261.57203	33.85487	175.63220	17.29091	0.1587136	0.17620353	3.1510816	20	—	—
236038 2005 GW_{179}	15.3	X	295.25552	45.83629	115.22360	28.17764	0.1873780	0.17553034	3.1591331	20	—	—
236039 2005 GJ_{181}	15.9	X	264.79526	68.57718	180.04138	10.12506	0.0921565	0.18504494	3.0498928	20	1 19.8	20.6
236040 2005 GP_{182}	15.6	X	149.74897	319.58494	38.85222	9.96549	0.0929826	0.18493702	3.0510792	20	2 7.9	20.3
236041 2005 GN_{210}	15.2	X	214.70880	197.70219	82.67185	17.64898	0.0497649	0.18175780	3.0865550	20	1 9.4	19.9
236042 2005 GA_{220}	15.9	X	51.86847	279.48126	159.97874	2.76800	0.0967178	0.18705623	3.0279911	20	1 11.1	19.8
236043 2005 GU_{221}	15.7	X	218.13883	166.18090	106.54571	5.73888	0.1152180	0.17848953	3.1241189	20	1 3.2	20.5
236044 2005 GG_{222}	15.5	X	185.17931	324.30494	18.90332	8.76377	0.1510064	0.18725387	3.0258601	20	2 26.0	20.5
236045 2005 HU_{1}	15.5	X	312.20012	356.38265	169.84976	11.80238	0.1046620	0.17942422	3.1132596	20	—	—
236046 2005 HC_{2}	15.5	X	275.06299	75.09731	205.16491	10.65249	0.1063747	0.18899785	3.0072173	20	3 5.6	20.0
236047 2005 HL_{7}	15.8	X	261.01993	35.06876	184.65678	5.31070	0.0952249	0.18116115	3.0933282	20	—	—
236048 2005 JV_{2}	16.3	X	283.31946	197.87655	64.49602	2.26098	0.0819947	0.18819478	3.0157662	20	2 29.5	20.6
236049 2005 JO_{4}	15.2	X	272.69753	22.28495	192.57511	19.60698	0.1427229	0.17711836	3.1402219	20	—	—
236050 2005 JL_{5}	17.3	X	295.17583	73.90372	167.40176	23.08558	0.0328151	0.38342707	1.8764955	20	1 23.2	19.6
236051 2005 JV_{13}	16.0	X	51.48147	293.13330	324.56762	8.84441	0.1833736	0.21257210	2.7805575	20	9 13.2	19.7
236052 2005 JQ_{19}	16.0	X	273.21765	139.75900	162.34116	6.58172	0.1974330	0.19097846	2.9863896	20	3 22.4	20.4
236053 2005 JJ_{20}	15.6	X	232.05323	65.01715	174.02111	13.90129	0.2414211	0.17339279	3.1850435	20	—	—
236054 2005 JJ_{22}	15.5	X	280.51662	35.87501	162.69247	10.96446	0.1612523	0.17696107	3.1420823	20	—	—
236055 2005 JD_{23}	16.1	X	240.25495	271.59827	9.03893	1.53231	0.0667723	0.18776615	3.0203540	20	2 4.6	20.5
236056 2005 JK_{23}	15.9	X	228.20820	246.65994	39.56816	3.25955	0.1103458	0.18673025	3.0315141	20	1 28.2	20.6
236057 2005 JN_{26}	14.8	X	295.57436	328.94908	215.20335	15.73328	0.1531374	0.17767533	3.1336558	20	—	—
236058 2005 JE_{29}	15.4	X	214.14376	59.22994	203.64491	15.91714	0.0917908	0.17324714	3.1868283	20	—	—
236059 2005 JH_{38}	15.5	X	229.36766	112.20834	196.00831	21.49662	0.1412296	0.18182835	3.0857565	20	2 17.6	20.8
236060 2005 JY_{46}	16.2	X	270.80772	143.14800	79.60725	2.23721	0.1167172	0.17958039	3.1114544	20	—	—
236061 2005 JF_{64}	15.7	X	246.45092	126.15279	120.51329	11.21945	0.1560857	0.17708852	3.1405746	20	—	—
236062 2005 JV_{64}	15.8	X	248.79901	111.51212	81.28261	6.62630	0.1206250	0.17133476	3.2104979	20	—	—
236063 2005 JB_{67}	15.6	X	293.47712	54.33458	155.12150	10.49099	0.1293086	0.18129206	3.0918389	20	1 2.3	20.2
236064 2005 JA_{71}	15.7	X	269.82771	119.71915	99.69589	9.30896	0.1324389	0.17840885	3.1250607	20	—	—
236065 2005 JZ_{76}	14.7	X	229.88346	95.73292	115.30392	21.24235	0.0258983	0.16921827	3.2372125	20	—	—
236066 2005 JU_{80}	15.8	X	253.44138	86.90290	183.62489	25.39843	0.2424792	0.18105053	3.0945881	20	1 21.2	21.5
236067 2005 JQ_{84}	15.3	X	227.72161	131.24989	185.43053	12.05699	0.0719466	0.18998084	2.9968351	20	3 2.5	19.8
236068 2005 JV_{88}	17.5	X	267.18772	68.28284	183.32922	22.75183	0.0797076	0.37925907	1.8902187	20	—	—
236069 2005 JZ_{98}	15.8	X	306.59625	173.96434	25.36935	9.33040	0.0354947	0.18650517	3.0339526	20	1 20.3	20.2
236070 2005 JT_{100}	15.6	X	226.35101	212.92315	48.59252	7.44343	0.1169850	0.17697815	3.1418801	20	—	—
236071 2005 JU_{102}	15.3	X	307.39588	40.14566	128.40450	10.29397	0.0417736	0.17500183	3.1654904	20	—	—
236072 2005 JK_{121}	15.4	X	150.23275	139.76770	162.98141	5.15324	0.0860315	0.16875724	3.2431058	20	—	—
236073 2005 JK_{122}	15.4	X	45.64113	175.62867	311.89677	12.92760	0.0992023	0.19239458	2.9717173	20	2 27.3	19.2
236074 2005 JW_{126}	15.7	X	333.23838	217.79792	41.84688	5.72876	0.1595975	0.19537551	2.9414127	20	4 23.8	18.9
236075 2005 JH_{136}	15.6	X	310.52437	5.86055	145.84535	11.36242	0.1705151	0.17704001	3.1411482	20	—	—
236076 2005 JR_{137}	15.5	X	102.48708	26.07782	77.28564	11.37311	0.0648753	0.19311133	2.9643596	20	4 18.9	19.8
236077 2005 JM_{148}	15.4	X	306.93701	22.42448	196.33129	13.90962	0.2338449	0.18529915	3.0471027	20	1 11.9	20.1
236078 2005 JF_{150}	16.1	X	209.89468	119.95581	160.13685	5.19654	0.1140832	0.17564962	3.1577027	20	1 4.1	21.1
236079 2005 JK_{158}	16.0	X	345.59643	286.16473	268.37146	2.88361	0.1759488	0.19075175	2.9887553	20	2 14.6	19.4
236080 2005 JZ_{158}	15.5	X	51.25333	41.56483	59.10149	9.14120	0.0340973	0.18712166	3.0272852	20	2 4.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236081 2005 JY_{160}	15.9	X	175.16642	106.04906	191.97948	9.52549	0.0534241	0.17372081	3.1810328	20	—	—
236082 2005 JE_{176}	15.4	X	261.71603	68.08928	161.01909	15.91383	0.1295656	0.17868133	3.1218828	20	—	—
236083 2005 JA_{185}	14.6	X	303.47958	261.56475	272.43486	14.82179	0.1916163	0.17954295	3.1118870	20	—	—
236084 2005 KJ	15.2	X	13.76333	252.22706	208.95270	9.37843	0.0704873	0.17770691	3.1332846	20	—	—
236085 2005 KO_{3}	15.6	X	10.22892	293.78921	130.91274	2.89631	0.0591927	0.16969096	3.2311980	20	—	—
236086 2005 KW_{11}	16.1	X	261.29957	206.47145	72.61060	1.94797	0.2421571	0.18284715	3.0742835	20	2 9.5	21.2
236087 2005 LH_{2}	15.6	X	223.64670	105.91836	173.51775	8.44818	0.2099449	0.17563741	3.1578491	20	1 12.4	21.0
236088 2005 LZ_{10}	15.7	X	216.03329	86.51143	183.05509	8.57122	0.2040080	0.17295247	3.1904470	20	—	—
236089 2005 LB_{41}	16.3	X	266.84212	115.17081	157.61601	3.43961	0.1986609	0.18330511	3.0691610	20	2 9.9	21.2
236090 2005 LM_{45}	16.1	X	19.35643	36.55784	187.33580	8.50257	0.1459428	0.19722122	2.9230324	20	6 1.4	19.5
236091 2005 LO_{51}	15.6	X	212.15111	118.41230	170.41796	9.93776	0.1993254	0.17510881	3.1642009	20	1 14.3	21.1
236092 2005 MN_{10}	16.0	X	278.05404	53.48561	189.59260	5.13584	0.1189038	0.18157450	3.0886318	20	1 25.3	20.6
236093 2005 MQ_{10}	15.9	X	204.00342	181.21883	132.50286	5.35061	0.1232816	0.17901694	3.1179798	20	2 6.2	20.8
236094 2005 MV_{34}	16.8	X	23.23967	55.00176	306.29917	8.29486	0.2130984	0.27567869	2.3381225	20	—	—
236095 2005 NB	15.6	X	59.10318	110.24748	234.56653	21.25942	0.3296209	0.28038646	2.3118768	20	—	—
236096 2005 NM_{36}	15.3	X	223.49894	117.95797	184.06174	12.73548	0.1028832	0.18037365	3.1023252	20	2 8.5	20.3
236097 2005 NS_{88}	17.3	X	84.26152	117.75843	262.52622	1.73389	0.1552808	0.29186946	2.2508348	20	—	—
236098 2005 OD_{8}	14.6	X	232.29635	38.36460	249.10577	26.71162	0.1540225	0.17113830	3.2129544	20	1 22.5	20.2
236099 2005 OV_{28}	15.5	X	231.29782	275.98479	47.39587	10.18863	0.2441796	0.17764866	3.1339694	20	3 11.6	21.0
236100 2005 PY_{14}	13.9	X	295.35053	229.03031	124.92920	10.55336	0.1914980	0.12289519	4.0066321	20	6 22.4	19.3
236101 2005 QK_{2}	15.5	X	240.46755	150.41456	170.23479	10.55238	0.2164818	0.17823694	3.1270698	20	3 12.5	20.5
236102 2005 QQ_{51}	16.3	X	247.07377	84.12392	213.59915	6.01640	0.1288509	0.17725722	3.1385817	20	2 25.2	21.2
236103 2005 QQ_{53}	14.9	X	332.52934	165.66032	145.09340	3.60244	0.2045240	0.12451532	3.9718013	20	6 25.4	19.5
236104 2005 QJ_{71}	17.3	X	126.55046	239.44001	168.99663	23.45560	0.2737232	0.29701054	2.2247855	20	3 22.5	20.6
236105 2005 QJ_{75}	17.9	X	189.72638	37.00437	347.93601	3.91457	0.1012934	0.30874071	2.1680707	20	4 8.3	20.9
236106 2005 QU_{84}	16.8	X	156.35823	35.76467	325.64696	9.12395	0.1718143	0.29832851	2.2182282	20	2 9.0	20.0
236107 2005 QE_{94}	15.1	X	187.63984	196.96398	148.70919	10.80050	0.0744357	0.17160914	3.2070749	20	2 28.6	20.0
236108 2005 QB_{96}	15.1	X	251.25377	131.68158	183.80642	13.52710	0.1728587	0.17778708	3.1323426	20	3 18.8	20.1
236109 2005 QG_{113}	17.5	X	129.90383	289.50873	128.18416	3.41516	0.1244440	0.30117763	2.2042165	20	3 20.3	20.3
236110 2005 QO_{190}	17.3	X	49.65087	244.60393	96.10886	5.68823	0.2549107	0.27726851	2.3291762	20	—	—
236111 Wolfgangbüttner	17.5	X	221.55169	7.85290	356.86523	5.77568	0.1721444	0.30781867	2.1723981	20	4 12.5	20.7
236112 2005 SP_{7}	17.4	X	68.64549	302.46957	211.23377	3.54320	0.1044626	0.30558856	2.1829544	20	5 6.6	19.5
236113 2005 SC_{21}	16.8	X	41.88823	289.42613	37.67812	6.89611	0.2646488	0.27033373	2.3688409	20	12 24.2	20.3
236114 2005 SL_{61}	14.6	X	7.19608	276.26715	28.29981	3.13043	0.1901814	0.12503587	3.9607700	20	8 25.3	19.2
236115 2005 SZ_{103}	17.0	X	84.82721	46.89232	333.25232	6.33601	0.2002635	0.28421122	2.2910887	20	—	—
236116 2005 SX_{104}	14.4	X	145.92720	109.60688	226.75449	12.80152	0.2084222	0.15537193	3.4267915	20	1 16.3	20.1
236117 2005 SA_{112}	17.2	X	217.68257	10.87356	310.40861	7.06687	0.1433939	0.30279883	2.1963418	20	2 14.1	20.4
236118 2005 SJ_{116}	14.5	X	0.21040	334.78371	338.96254	4.59297	0.1760091	0.12597146	3.9411346	20	8 22.5	19.0
236119 2005 SE_{124}	14.6	X	1.51975	117.52243	181.02273	9.18357	0.2055040	0.12518802	3.9575603	20	8 4.1	19.2
236120 2005 SS_{137}	17.4	X	165.30674	194.78614	181.45106	2.29249	0.1295153	0.29890733	2.2153636	20	3 4.0	20.3
236121 2005 SZ_{143}	17.9	X	103.82410	297.87336	149.39917	4.25449	0.1206777	0.30008157	2.2095805	20	3 26.9	20.3
236122 2005 SQ_{151}	17.2	X	289.97123	266.82073	168.54321	3.31526	0.1221685	0.26439342	2.4041909	20	11 1.4	19.5
236123 2005 SQ_{157}	18.3	X	123.60440	62.03077	58.31026	1.52916	0.0462137	0.31032329	2.1606934	20	5 28.6	20.8
236124 2005 SZ_{190}	17.1	X	128.68224	222.79893	187.12333	8.75718	0.2119444	0.29572009	2.2312531	20	3 17.7	20.2
236125 2005 SA_{215}	16.6	X	139.42209	145.11509	240.77325	6.95248	0.1544093	0.29593195	2.2301880	20	2 17.1	19.7
236126 2005 SB_{272}	14.4	X	326.84188	206.70826	120.57457	9.83006	0.2245275	0.12337339	3.9962722	20	7 3.8	19.0
236127 2005 SH_{291}	18.1	X	205.83997	259.46726	147.39031	2.33131	0.0778856	0.31249879	2.1506537	20	5 30.6	20.9
236128 2005 TK_{14}	16.7	X	74.07516	128.53728	286.87696	7.72806	0.1804788	0.28542989	2.2845627	20	—	—
236129 2005 TJ_{17}	17.6	X	124.94092	19.80077	24.54798	2.91071	0.1857414	0.29787277	2.2204901	20	3 4.3	20.3
236130 2005 TW_{24}	17.4	X	267.79756	88.47913	33.03355	5.04845	0.1682831	0.26539928	2.3981125	20	11 21.1	19.8
236131 2005 TM_{29}	16.8	X	213.68209	205.28186	164.71279	4.41989	0.1402265	0.30597207	2.1811299	20	4 16.1	19.9
236132 2005 TB_{40}	17.3	X	81.05669	89.35934	58.03419	6.16885	0.0847846	0.30509363	2.1853145	20	5 13.5	19.4
236133 2005 TC_{45}	17.7	X	50.82186	58.72757	22.03656	7.27327	0.2430724	0.28561972	2.2835503	20	—	—
236134 2005 TX_{57}	17.1	X	107.95455	57.25474	30.14752	7.29663	0.1170516	0.29912744	2.2142767	20	4 1.6	19.6
236135 2005 TE_{112}	17.3	X	303.31179	200.18719	327.01618	2.39915	0.0972236	0.28589249	2.2820976	20	—	—
236136 2005 TH_{168}	18.1	X	55.68293	138.10192	6.02371	3.24986	0.0732921	0.30005784	2.2096970	20	3 25.7	20.1
236137 2005 TN_{180}	17.1	X	86.92560	100.21794	27.50160	6.47058	0.0258083	0.30596706	2.1811537	20	4 12.7	19.3
236138 2005 UJ_{4}	16.1	X	349.16962	295.65445	215.83866	22.58985	0.1726086	0.28393819	2.2925572	20	—	—
236139 2005 UE_{17}	17.5	X	135.60065	48.70640	356.80142	3.93103	0.1617744	0.29655138	2.2270813	20	3 14.2	20.3
236140 2005 US_{18}	17.1	X	47.97325	23.35287	78.00424	3.66658	0.1167255	0.28747065	2.2737377	20	1 12.8	18.9
236141 2005 UG_{52}	17.7	X	171.67239	49.90928	330.82926	3.61313	0.1650204	0.30021718	2.2089151	20	3 17.9	21.0
236142 2005 UC_{64}	16.8	X	99.71983	312.36079	111.35831	5.92495	0.0847493	0.29145160	2.2529856	20	2 11.2	19.2
236143 2005 UM_{96}	17.3	X	291.99122	82.17409	179.67402	3.62583	0.0667548	0.29944255	2.2127230	20	2 27.1	19.9
236144 2005 UU_{103}	17.5	X	2.52799	23.30213	137.21567	1.89834	0.0832692	0.28996377	2.2606859	20	1 19.2	19.8
236145 2005 UK_{105}	17.5	X	110.21008	17.49999	69.30349	6.39908	0.0912236	0.29708567	2.2244104	20	4 1.8	20.2
236146 2005 UA_{109}	17.1	X	202.08354	238.62765	127.34392	5.91517	0.1680696	0.30497596	2.1858766	20	3 31.1	20.5
236147 2005 UG_{151}	16.7	X	173.31361	151.23809	40.69780	5.62303	0.0539727	0.26157535	2.4214277	20	11 5.5	20.0
236148 2005 UT_{152}	17.1	X	339.45790	68.88542	46.12227	7.34596	0.0795153	0.27745271	2.3281452	20	—	—
236149 2005 UD_{171}	17.6	X	64.95627	273.82038	244.73459	3.61683	0.1002202	0.30146315	2.2028245	20	5 6.5	19.8
236150 2005 UN_{177}	18.0	X	176.93802	1.37676	19.81846	2.59382	0.1448098	0.29997296	2.2101138	20	3 24.2	21.1
236151 2005 UU_{199}	17.8	X	188.43709	347.35398	54.04784	4.78673	0.1255001	0.30541572	2.1837778	20	5 1.6	20.7
236152 2005 UF_{222}	18.0	X	27.82199	229.49833	288.80613	1.92412	0.0865211	0.29630807	2.2283003	20	2 27.1	20.1
236153 2005 UC_{233}	17.6	X	66.24888	318.15641	126.64941	2.41451	0.1719217	0.28821316	2.2698310	20	1 28.4	19.3
236154 2005 UM_{245}	17.2	X	48.75516	121.28982	354.11475	4.63479	0.0780566	0.28939650	2.2636392	20	2 3.3	19.3
236155 2005 UL_{251}	17.0	X	57.62058	88.35902	359.12751	4.05022	0.1262083	0.28695503	2.2764607	20	1 11.5	19.1
236156 2005 UL_{291}	17.6	X	272.41743	325.99408	10.95326	5.41348	0.0154078	0.30890883	2.1672841	20	5 26.3	20.1
236157 2005 UB_{344}	17.4	X	82.77963	119.28274	5.93246	5.23546	0.1303446	0.29922751	2.2137830	20	4 19.2	19.8
236158 2005 UY_{353}	16.8	X	66.75129	229.02961	261.55844	5.75305	0.1101254	0.29680458	2.2258146	20	3 26.1	19.1
236159 2005 UR_{355}	18.0	X	339.75756	161.99787	95.73685	3.36250	0.0919247	0.30512374	2.1851708	20	5 5.3	19.9
236160 2005 UM_{371}	17.2	X	216.96069	117.32726	248.63875	1.64458	0.0238832	0.30279133	2.1963780	20	4 18.4	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236161 2005 UQ_{409}	17.5	X	98.95052	41.07138	72.84109	3.49516	0.0916418	0.30085535	2.2057903	20	4 22.7	19.9
236162 2005 UE_{427}	17.8	X	43.68669	278.11972	267.36402	4.65429	0.0935478	0.30225513	2.1989749	20	5 9.6	19.9
236163 2005 UW_{432}	18.1	X	97.60733	266.63275	209.61731	2.44955	0.0954628	0.29905885	2.2146152	20	4 23.7	20.4
236164 2005 UU_{445}	16.9	X	322.02078	163.34818	69.40511	10.04306	0.0515446	0.29645528	2.2275626	20	3 9.8	19.6
236165 2005 UR_{453}	17.0	X	242.69700	306.13579	261.78844	6.09092	0.0647476	0.26789614	2.3831886	20	—	—
236166 2005 UN_{454}	16.6	X	9.87364	355.59029	85.48071	7.34366	0.1651273	0.27606043	2.3359665	20	—	—
236167 2005 US_{459}	17.3	X	14.96316	210.23098	241.54712	4.36829	0.1303457	0.27849574	2.3223286	20	—	—
236168 2005 UF_{461}	17.2	X	3.18806	319.35392	250.40366	4.97128	0.1258194	0.29762518	2.2217214	20	3 27.9	19.1
236169 2005 UD_{473}	17.3	X	334.13420	144.09799	19.27558	3.02028	0.1364953	0.28238591	2.3009510	20	—	—
236170 Cholnoky	17.2	X	351.08306	153.70027	32.85348	4.75161	0.1307774	0.28864471	2.2675680	20	2 3.2	19.4
236171 2005 VK_{14}	17.8	X	89.93947	290.64423	136.65283	1.98593	0.1859245	0.29039206	2.2584626	20	2 17.1	20.0
236172 2005 VY_{29}	16.6	X	245.61468	45.32562	69.34018	8.72040	0.0725858	0.25856483	2.4401868	20	10 25.9	19.7
236173 2005 VU_{32}	17.8	X	319.70835	67.56532	119.79875	1.46305	0.0955101	0.28516007	2.2860036	20	—	—
236174 2005 VV_{32}	16.8	X	338.88963	274.31123	234.33447	10.32234	0.1690001	0.27973536	2.3154628	20	—	—
236175 2005 VD_{37}	17.5	X	90.64091	253.14895	145.42724	5.74773	0.1562928	0.28696496	2.2764082	20	1 2.4	19.6
236176 2005 VP_{38}	16.9	X	263.33751	185.79601	121.28779	4.00515	0.1794168	0.30372062	2.1918956	20	3 12.2	19.9
236177 2005 VS_{56}	16.7	X	179.21324	270.30895	84.85534	7.52305	0.1459942	0.29597351	2.2299792	20	2 25.0	20.0
236178 2005 VS_{60}	17.6	X	255.31975	70.22363	247.34058	2.81412	0.1610725	0.30512883	2.1851464	20	3 16.2	20.7
236179 2005 VN_{78}	17.7	X	123.27461	254.34783	158.60313	6.25190	0.1188133	0.29579120	2.2308954	20	3 3.9	20.2
236180 2005 VT_{80}	16.8	X	94.52654	319.31109	137.32511	5.20353	0.0603102	0.29687213	2.2254769	20	3 17.5	19.2
236181 2005 VP_{81}	17.9	X	346.14109	227.18358	198.23633	0.68516	0.1654693	0.26889716	2.3772703	20	—	—
236182 2005 VB_{116}	17.6	X	359.61222	107.82652	358.01825	2.79760	0.1849756	0.27799143	2.3251364	20	—	—
236183 2005 VC_{119}	17.7	X	170.60604	203.81120	178.07757	5.08091	0.0778629	0.29859101	2.2169279	20	3 13.9	20.4
236184 2005 WX_{3}	16.3	X	228.83253	290.98980	36.51284	23.74194	0.2533297	0.30178096	2.2012777	20	3 14.6	20.5
236185 2005 WV_{4}	17.4	X	12.75785	358.13841	86.24113	9.22489	0.2526287	0.27839227	2.3229040	20	—	—
236186 2005 WN_{15}	16.8	X	316.34350	111.22482	62.32718	5.94165	0.1026237	0.28135075	2.3065914	20	—	—
236187 2005 WG_{18}	17.2	X	17.21905	321.18144	249.93363	3.48025	0.0595436	0.30046869	2.2076823	20	4 29.4	19.4
236188 2005 WD_{33}	17.9	X	357.35476	119.35361	337.78791	2.00002	0.1578607	0.27587004	2.3370411	20	—	—
236189 2005 WK_{36}	17.4	X	336.73146	128.13868	95.74082	3.87109	0.0848622	0.29465762	2.2366135	20	3 11.1	19.7
236190 2005 WT_{38}	17.3	X	106.91818	211.00362	203.20173	1.96788	0.1449773	0.28857865	2.2679140	20	2 16.5	19.9
236191 2005 WM_{40}	17.6	X	32.04600	155.93925	250.80862	1.76286	0.1918262	0.27446091	2.3450335	20	—	—
236192 2005 WD_{43}	17.8	X	63.50459	49.11530	49.35681	1.66658	0.1834201	0.28730205	2.2746272	20	2 16.0	19.5
236193 2005 WC_{47}	17.6	X	111.76825	114.34571	264.38255	1.40116	0.1825739	0.28597336	2.2816674	20	1 12.4	19.9
236194 2005 WD_{57}	17.2	X	165.90237	186.79541	233.52109	2.13598	0.1091674	0.30341275	2.1933781	20	5 1.7	20.0
236195 2005 WX_{58}	16.7	X	239.15843	263.45312	90.94971	4.70185	0.1534801	0.30521733	2.1847241	20	4 21.8	19.7
236196 2005 WY_{58}	16.8	X	107.23287	201.89968	141.79241	2.38407	0.2763828	0.28160946	2.3051785	20	—	—
236197 2005 WM_{71}	16.8	X	40.63197	352.34565	57.68234	6.91812	0.1497287	0.27612595	2.3355970	20	—	—
236198 2005 WY_{78}	16.6	X	10.42395	11.92695	65.97441	7.03938	0.0983746	0.27376748	2.3489917	20	—	—
236199 2005 WJ_{79}	17.6	X	105.71601	355.49366	59.74373	2.88434	0.0881215	0.28861773	2.2677093	20	2 9.1	20.2
236200 2005 WA_{80}	16.7	X	8.93637	98.98687	75.24775	7.40359	0.0370930	0.29002876	2.2603481	20	2 26.7	19.3
236201 2005 WF_{81}	17.5	X	264.30113	104.30561	32.33696	1.23507	0.1487931	0.26279472	2.4139316	20	12 9.6	19.8
236202 2005 WK_{91}	17.1	X	337.32807	219.23580	291.04980	1.65708	0.1065274	0.28080361	2.3095866	20	—	—
236203 2005 WU_{101}	17.4	X	47.59707	327.75694	91.77714	0.87920	0.1893286	0.27911352	2.3189006	20	—	—
236204 2005 WL_{104}	17.3	X	351.38195	357.03426	117.33342	3.92804	0.1555163	0.27666961	2.3325363	20	—	—
236205 2005 WJ_{106}	18.3	X	326.55813	190.96573	125.08608	1.55417	0.1389791	0.31727537	2.1290138	20	7 11.1	19.4
236206 2005 WB_{118}	16.8	X	202.52732	38.55618	327.06433	5.62453	0.1800970	0.30266496	2.1969894	20	3 26.2	20.2
236207 2005 WJ_{119}	16.9	X	16.42293	61.11843	56.57016	2.32538	0.1786695	0.28021183	2.3128372	20	—	—
236208 2005 WS_{121}	16.5	X	271.87507	355.94079	91.96142	10.91171	0.1893145	0.25657814	2.4527669	20	10 12.1	19.4
236209 2005 WT_{122}	14.5	X	358.88990	118.02299	191.59871	8.38372	0.1344328	0.12591882	3.9422330	20	8 10.7	19.4
236210 2005 WC_{144}	17.4	X	20.22822	333.96162	79.62021	2.36078	0.1764788	0.27306709	2.3530066	20	—	—
236211 2005 WZ_{150}	17.1	X	68.71221	28.84611	32.39258	2.81822	0.1455455	0.28280120	2.2986978	20	—	—
236212 2005 WW_{156}	17.2	X	303.07614	30.63858	72.60845	3.09196	0.1741695	0.26455110	2.4032355	20	—	—
236213 2005 WW_{157}	17.1	X	332.36192	23.61185	96.55424	5.19606	0.1369096	0.27036956	2.3686316	20	—	—
236214 2005 WZ_{157}	16.4	X	189.31148	30.12979	67.42105	27.28300	0.2390162	0.23956601	2.5675520	20	7 11.1	21.2
236215 2005 WQ_{166}	18.3	X	111.02374	311.63050	139.38892	0.58460	0.0464568	0.29713419	2.2241682	20	3 29.5	20.9
236216 2005 WQ_{171}	17.4	X	181.82051	170.36201	199.56919	1.37418	0.1832316	0.29724832	2.2235989	20	3 15.3	20.7
236217 2005 WB_{176}	17.5	X	325.02434	179.49670	329.01400	1.92402	0.1794808	0.27370671	2.3493393	20	—	—
236218 2005 WT_{176}	17.5	X	264.25150	88.75676	54.57321	3.23529	0.1570337	0.26165783	2.4209188	20	12 17.5	19.8
236219 2005 WX_{183}	17.3	X	27.98838	159.84631	295.32552	4.61916	0.1576078	0.27991058	2.3144964	20	—	—
236220 2005 WJ_{184}	15.5	X	90.83248	124.94802	37.35833	13.99250	0.3125641	0.22440532	2.6819291	20	7 20.2	20.1
236221 2005 WP_{188}	15.4	X	19.97005	76.75850	339.27052	8.92837	0.0989683	0.19202150	2.9755652	20	—	—
236222 2005 WT_{193}	17.2	X	78.50336	27.30223	47.27004	3.58273	0.1398711	0.28548474	2.2842701	20	2 2.8	19.3
236223 2005 WA_{202}	17.1	X	12.65338	29.89246	60.12516	2.94182	0.1576488	0.27572699	2.3378494	20	—	—
236224 2005 XE_{2}	17.6	X	327.56415	202.42006	73.13115	4.30267	0.0605615	0.30553932	2.1831889	20	5 14.7	19.6
236225 2005 XE_{29}	17.2	X	70.92020	37.38278	356.43465	3.85249	0.1634455	0.27980808	2.3150616	20	—	—
236226 2005 XL_{55}	17.5	X	22.16460	289.35726	176.26914	9.42528	0.2272788	0.28065878	2.3103811	20	—	—
236227 2005 XP_{61}	17.7	X	328.51284	238.51160	345.06185	0.36288	0.0962595	0.29039042	2.2584710	20	2 22.9	19.9
236228 2005 XK_{67}	17.2	X	17.40833	226.89560	266.72834	2.97042	0.1050946	0.28708777	2.2757589	20	1 3.8	19.1
236229 2005 XC_{69}	17.8	X	355.08628	229.14462	333.53724	1.72099	0.1468547	0.29309932	2.2445339	20	3 1.1	19.8
236230 2005 XM_{75}	17.3	X	11.47261	157.88914	352.34614	2.70279	0.0966122	0.28418586	2.2912250	20	1 20.2	19.6
236231 2005 XX_{79}	16.9	X	212.52114	102.95553	1.42427	3.76860	0.0815869	0.23754197	2.5821164	20	8 23.8	20.5
236232 2005 XD_{112}	17.7	X	302.00554	127.62581	322.83055	0.63147	0.1471574	0.25835951	2.4414795	20	12 11.9	19.8
236233 2005 YT_{4}	17.5	X	222.80426	55.12881	302.25445	3.63666	0.1998150	0.30318777	2.1944630	20	4 2.7	20.9
236234 2005 YJ_{18}	17.4	X	31.78640	77.05820	74.18014	7.10912	0.0614602	0.29201247	2.2500998	20	2 29.1	19.8
236235 2005 YT_{28}	16.1	X	271.03817	247.25712	105.27897	11.70824	0.1506191	0.23717444	2.5847832	20	5 29.1	19.8
236236 2005 YB_{37}	17.3	X	21.06425	223.55388	268.64238	2.02690	0.1402987	0.28261514	2.2997066	20	1 6.7	19.2
236237 2005 YJ_{42}	16.8	X	321.64934	252.88723	279.00878	5.73045	0.0433108	0.28152380	2.3056460	20	—	—
236238 2005 YU_{47}	17.2	X	330.76697	127.58888	359.93094	3.60636	0.1457821	0.27066589	2.3669025	20	—	—
236239 2005 YF_{49}	17.9	X	298.59975	4.24635	156.02343	1.14681	0.1158162	0.26885550	2.3775159	20	—	—
236240 2005 YX_{51}	17.4	X	317.38941	25.66582	142.12514	2.42611	0.1186247	0.27546078	2.3393554	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236241 2005 YA_{52}	16.2	X	353.37847	168.84312	103.60673	6.46479	0.1408245	0.23125271	2.6287230	20	6 21.5	18.6
236242 2005 YH_{66}	17.3	X	62.73133	16.75247	74.52156	3.75310	0.1419777	0.28306499	2.2972695	20	1 30.1	19.3
236243 2005 YQ_{76}	17.2	X	256.76258	91.25721	62.69700	3.22387	0.1381177	0.26132216	2.4229915	20	12 22.7	19.8
236244 2005 YL_{89}	17.0	X	249.08586	271.32556	256.00220	0.50154	0.1216910	0.26111826	2.4242527	20	12 31.5	19.6
236245 2005 YD_{90}	17.1	X	283.57641	25.80615	123.43518	5.55145	0.1661858	0.26366187	2.4086360	20	—	—
236246 2005 YE_{91}	16.3	X	185.33818	96.01241	270.45182	4.18723	0.0744583	0.22088031	2.7103874	20	3 14.9	20.3
236247 2005 YH_{91}	17.2	X	93.65740	266.60771	137.38044	4.47694	0.0723765	0.27919861	2.3184294	20	1 4.4	19.7
236248 2005 YT_{92}	17.3	X	273.86520	114.99620	140.25299	2.79103	0.1772395	0.28195297	2.3033058	20	1 17.1	20.7
236249 2005 YS_{97}	16.8	X	286.76696	132.68372	64.51569	3.35088	0.1590941	0.27377172	2.3489674	20	—	—
236250 2005 YB_{113}	17.7	X	287.02023	45.65936	110.96657	3.27845	0.1233354	0.26774960	2.3840580	20	—	—
236251 2005 YM_{113}	16.8	X	215.34573	234.25450	32.45350	3.92832	0.1557448	0.27437255	2.3455369	20	—	—
236252 2005 YR_{119}	16.9	X	337.75976	255.80505	254.08518	3.73972	0.1760110	0.27521647	2.3407396	20	—	—
236253 2005 YQ_{125}	16.7	X	347.31154	158.55006	315.57604	5.21255	0.0864313	0.27247303	2.3564255	20	—	—
236254 2005 YS_{135}	16.7	X	253.64691	105.17929	85.48804	7.61658	0.0662456	0.26783565	2.3835474	20	—	—
236255 2005 YO_{141}	16.9	X	189.11399	316.12882	309.18496	6.01127	0.0944639	0.26934316	2.3746453	20	—	—
236256 2005 YX_{141}	17.2	X	258.45136	261.34223	328.28334	2.94066	0.1076922	0.27487044	2.3427037	20	—	—
236257 2005 YK_{143}	17.6	X	264.15067	204.48878	345.73735	1.80156	0.1207952	0.26603629	2.3942829	20	—	—
236258 2005 YX_{143}	16.8	X	32.81473	262.06933	105.83076	3.26753	0.1996227	0.26237163	2.4165260	20	—	—
236259 2005 YF_{144}	17.3	X	213.52439	258.91841	331.29012	1.43045	0.1213131	0.26395577	2.4068477	20	—	—
236260 2005 YC_{150}	17.1	X	301.57465	153.04148	352.42699	2.96815	0.1363520	0.26755429	2.3852182	20	—	—
236261 2005 YD_{153}	16.7	X	259.00008	78.82039	80.50284	3.75482	0.1380818	0.25993982	2.4315741	20	—	—
236262 2005 YQ_{153}	17.6	X	61.45664	41.84692	53.34280	1.99352	0.1682846	0.28411672	2.2915967	20	2 5.2	19.3
236263 2005 YV_{153}	16.6	X	253.98553	105.36968	72.48715	2.94100	0.1520693	0.26174669	2.4203709	20	—	—
236264 2005 YX_{163}	16.9	X	9.22623	166.17303	295.32970	4.60204	0.1681414	0.27551178	2.3390667	20	—	—
236265 2005 YR_{164}	17.2	X	136.80059	150.01513	134.96759	4.19852	0.1333065	0.26480040	2.4017269	20	—	—
236266 2005 YS_{181}	16.1	X	278.15173	93.11267	42.10200	13.65950	0.1145758	0.25992705	2.4316537	20	—	—
236267 2005 YC_{182}	17.4	X	338.60173	83.93554	59.48483	3.95397	0.1408650	0.27585670	2.3371165	20	—	—
236268 2005 YJ_{184}	17.1	X	165.01048	126.83962	147.94382	7.30524	0.0852686	0.26717197	2.3874930	20	—	—
236269 2005 YN_{191}	16.6	X	90.10703	334.34159	320.79151	4.00379	0.1899354	0.25454777	2.4657924	20	12 19.9	20.5
236270 2005 YZ_{192}	17.4	X	325.35178	358.62494	107.71915	4.11831	0.1040327	0.26509379	2.3999545	20	—	—
236271 2005 YK_{193}	17.5	X	356.45364	338.64159	114.61692	3.25960	0.1722821	0.26996438	2.3710010	20	—	—
236272 2005 YL_{196}	17.4	X	37.83203	109.62711	341.32971	2.08576	0.1714720	0.27941628	2.3172252	20	—	—
236273 2005 YB_{204}	17.0	X	258.88108	246.02940	316.15060	1.34766	0.1655998	0.26629098	2.3927560	20	—	—
236274 2005 YB_{225}	17.1	X	347.76969	58.27998	81.73072	3.55014	0.1093265	0.27807417	2.3246752	20	—	—
236275 2005 YG_{241}	17.7	X	255.41177	122.64969	75.23234	2.38461	0.1240138	0.26664914	2.3906129	20	—	—
236276 2005 YU_{243}	17.1	X	99.24332	15.26033	330.60546	5.04862	0.2203758	0.27357270	2.3501065	20	—	—
236277 2005 YS_{247}	17.0	X	191.22891	204.79190	103.12343	3.98456	0.1733341	0.27672058	2.3322499	20	1 8.5	20.6
236278 2005 YE_{251}	17.2	X	131.34468	59.54526	238.16155	2.25232	0.0938778	0.26434104	2.4045085	20	—	—
236279 2005 YM_{268}	16.3	X	226.37040	93.14956	126.65968	6.82444	0.0645544	0.26566936	2.3964870	20	—	—
236280 2005 YH_{291}	16.8	X	142.89549	134.50311	138.72367	5.13611	0.1657662	0.26061879	2.4273491	20	—	—
236281 2006 AH_{1}	16.8	X	39.76719	288.87121	128.89779	7.70696	0.0912591	0.27285880	2.3542039	20	—	—
236282 2006 AF_{11}	17.6	X	250.31467	109.28338	127.01332	1.92843	0.1468460	0.27300916	2.3533394	20	—	—
236283 2006 AL_{11}	16.6	X	273.32712	78.37499	128.23141	7.03401	0.0458874	0.27104120	2.3647170	20	—	—
236284 2006 AV_{12}	17.0	X	238.37001	140.75704	42.76653	2.44337	0.1166375	0.26198051	2.4189305	20	—	—
236285 2006 AF_{14}	16.8	X	40.35785	274.24269	137.33759	1.93924	0.0582447	0.26895883	2.3769069	20	—	—
236286 2006 AY_{37}	16.5	X	155.33661	227.10454	351.03575	3.80735	0.2420076	0.23984724	2.5655446	20	11 8.2	20.9
236287 2006 AD_{38}	17.2	X	208.18339	91.22576	152.77237	1.57601	0.1556313	0.26619779	2.3933144	20	—	—
236288 2006 AQ_{43}	17.8	X	267.83451	137.00172	29.49810	2.88753	0.1498928	0.26494052	2.4008800	20	—	—
236289 2006 AW_{52}	17.1	X	353.68281	122.97068	148.09414	4.30096	0.1610847	0.30025144	2.2087471	20	6 23.4	18.5
236290 2006 AP_{55}	17.2	X	264.64917	33.35809	183.03178	3.28117	0.2069608	0.26998956	2.3708536	20	—	—
236291 2006 AC_{56}	17.1	X	185.27611	240.41475	137.66733	4.86152	0.2306547	0.22684969	2.6626286	20	4 4.4	21.7
236292 2006 AD_{57}	16.5	X	277.09024	136.46482	353.63047	10.58899	0.1958562	0.26033599	2.4291066	20	12 15.8	19.0
236293 2006 AF_{57}	17.6	X	256.10842	122.14475	90.14728	2.18219	0.1385408	0.26959252	2.3731808	20	—	—
236294 2006 AS_{63}	17.1	X	271.35530	352.90850	187.24759	1.00169	0.1254621	0.26480611	2.4016924	20	—	—
236295 2006 AE_{66}	16.5	X	201.36804	305.95621	172.67574	4.67930	0.1302195	0.23780302	2.5802264	20	8 23.8	20.4
236296 2006 AU_{71}	17.3	X	208.48793	19.17068	254.95534	2.67375	0.0823725	0.27265470	2.3553786	20	—	—
236297 2006 AR_{73}	16.2	X	259.49195	167.41566	126.44005	23.90745	0.1649901	0.28694229	2.2765281	20	2 24.0	19.7
236298 2006 AK_{74}	17.1	X	271.41609	77.31582	90.03975	3.37839	0.1826840	0.26265462	2.4147899	20	—	—
236299 2006 AC_{78}	17.1	X	266.72841	297.32187	226.16662	1.74939	0.1570058	0.26229210	2.4170144	20	—	—
236300 2006 AH_{91}	17.6	X	310.02530	325.74424	163.43219	2.52749	0.1724729	0.26665336	2.3905877	20	—	—
236301 2006 AA_{96}	17.6	X	214.60820	346.61575	280.06398	1.80912	0.1127667	0.27141743	2.3625312	20	—	—
236302 2006 AA_{98}	15.9	X	242.18932	150.56131	123.21034	13.93315	0.1329264	0.20933463	2.8091526	20	1 21.9	20.4
236303 2006 AT_{100}	17.1	X	185.22446	219.98920	123.87387	4.59742	0.2387461	0.28602601	2.2813874	20	2 18.7	20.9
236304 2006 AJ_{106}	17.3	X	249.73324	162.50325	34.42277	2.44854	0.1218699	0.26617812	2.3934323	20	—	—
236305 Adamriess	17.2	X	79.80693	286.28075	112.71027	7.84127	0.1183034	0.27501032	2.3419092	20	—	—
236306 2006 BM_{1}	17.6	X	262.84030	153.58417	327.79201	2.12188	0.1698059	0.25528778	2.4610250	20	11 9.3	20.2
236307 2006 BF_{9}	17.1	X	284.92876	216.62994	7.14952	2.21576	0.1640392	0.27500156	2.3419589	20	—	—
236308 2006 BH_{9}	17.2	X	278.73919	286.62772	189.86187	4.13617	0.1541744	0.25877906	2.4388400	20	12 4.9	19.6
236309 2006 BL_{9}	17.2	X	334.89840	320.59705	186.08569	5.45767	0.1560121	0.27308657	2.3528947	20	—	—
236310 2006 BU_{20}	17.8	X	293.14081	190.30899	268.80423	0.55483	0.1441678	0.25759124	2.4463316	20	12 7.0	19.7
236311 2006 BX_{21}	17.7	X	332.36636	329.53057	178.63027	1.28579	0.1270918	0.27213891	2.3583538	20	—	—
236312 2006 BV_{22}	16.8	X	195.84743	282.71525	332.48012	2.27165	0.1415154	0.26434825	2.4044648	20	—	—
236313 2006 BA_{24}	16.6	X	289.24985	192.35372	288.35148	7.43189	0.0829377	0.25967081	2.4332532	20	—	—
236314 2006 BA_{32}	16.6	X	237.49247	135.22756	106.53004	3.01972	0.0877045	0.26934241	2.3746497	20	—	—
236315 2006 BJ_{34}	16.6	X	176.10256	116.96005	141.98124	2.96793	0.1667483	0.25670945	2.4519304	20	—	—
236316 2006 BO_{38}	17.1	X	106.71134	97.36184	151.38385	1.54448	0.1089438	0.24277167	2.5448999	20	11 2.4	20.8
236317 2006 BR_{45}	17.3	X	198.24010	280.20140	318.47158	4.20592	0.0969311	0.25906137	2.4370678	20	—	—
236318 2006 BF_{47}	16.4	X	275.81099	40.97306	141.61368	1.76225	0.1202767	0.26500635	2.4004824	20	—	—
236319 2006 BL_{54}	16.8	X	159.36779	315.45149	341.60326	1.90505	0.1632615	0.26186443	2.4196453	20	—	—
236320 2006 BO_{56}	16.1	X	347.52439	251.09265	21.81644	11.54366	0.1148450	0.23059836	2.6336935	20	6 9.0	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236321 2006 BR_{61}	15.9	X	131.98504	358.16276	348.48971	25.78917	0.2205161	0.27674171	2.3321311	20	1 10.8	19.7
236322 2006 BS_{71}	16.8	X	71.17130	268.22518	96.29021	7.92676	0.0893310	0.26457679	2.4030799	20	—	—
236323 2006 BF_{81}	16.8	X	220.57676	104.45815	344.26452	13.25659	0.1501273	0.23881524	2.5729303	20	8 7.9	20.8
236324 2006 BK_{81}	16.6	X	117.52655	232.72084	71.03310	3.49987	0.1724370	0.25478299	2.4642746	20	—	—
236325 2006 BK_{82}	17.7	X	148.60269	63.64239	153.90091	1.69608	0.1334229	0.24537932	2.5268380	20	11 6.2	21.7
236326 2006 BR_{82}	17.5	X	338.34829	15.90847	152.11851	1.97146	0.1474418	0.27970691	2.3156198	20	—	—
236327 2006 BG_{84}	17.6	X	283.66061	189.45096	12.71852	1.47692	0.1270723	0.27157063	2.3616426	20	—	—
236328 2006 BW_{87}	16.8	X	264.38775	208.13229	2.95960	2.16816	0.1367828	0.26798663	2.3826521	20	—	—
236329 2006 BD_{90}	16.6	X	105.52096	96.49674	339.26433	3.75943	0.0592285	0.21559017	2.7545463	20	3 10.6	20.4
236330 2006 BA_{92}	16.9	X	275.04166	70.40425	106.47278	3.40793	0.1259468	0.26633508	2.3924918	20	—	—
236331 2006 BF_{93}	17.0	X	123.14079	247.71798	334.49159	11.36761	0.1717661	0.24022379	2.5628629	20	10 13.8	21.3
236332 2006 BT_{93}	17.1	X	27.26754	167.52434	204.62350	1.05736	0.0251589	0.25409277	2.4687352	20	12 27.2	20.0
236333 2006 BF_{95}	16.7	X	203.22621	349.54178	304.08236	1.74126	0.2061365	0.26864075	2.3787828	20	1 3.7	20.5
236334 2006 BE_{102}	17.2	X	335.10693	65.68808	286.66946	2.22427	0.0413291	0.24209748	2.5496224	20	9 15.3	20.3
236335 2006 BZ_{111}	17.1	X	153.52135	10.16345	66.77799	1.84148	0.2113812	0.22806623	2.6531515	20	5 17.9	21.5
236336 2006 BA_{117}	16.8	X	96.07045	271.44464	162.04287	4.70791	0.0468337	0.21135634	2.7912101	20	2 23.4	20.4
236337 2006 BF_{117}	16.9	X	169.89848	138.96620	166.32522	2.85174	0.0700236	0.26818113	2.3814999	20	—	—
236338 2006 BF_{119}	17.0	X	186.09505	3.77538	256.67665	2.60286	0.1651878	0.26019605	2.4299775	20	—	—
236339 2006 BV_{125}	17.4	X	5.20269	55.37758	345.01344	6.52140	0.0880633	0.25662741	2.4524530	20	—	—
236340 2006 BW_{125}	17.6	X	297.18877	131.69659	357.37681	1.82230	0.1583788	0.26229043	2.4170247	20	—	—
236341 2006 BG_{126}	17.5	X	28.33269	253.53173	150.01894	2.77735	0.1929794	0.26424481	2.4050922	20	—	—
236342 2006 BQ_{127}	17.2	X	110.27518	302.40043	287.69560	1.76894	0.1748071	0.23937140	2.5689434	20	10 16.0	21.4
236343 2006 BV_{131}	16.7	X	109.61108	267.95963	335.05499	7.31377	0.1526623	0.24063063	2.5599734	20	10 27.9	20.9
236344 2006 BM_{132}	17.2	X	91.17083	275.65014	297.91548	2.44613	0.0204643	0.23420968	2.6065506	20	8 17.7	20.7
236345 2006 BR_{135}	16.1	X	354.30215	245.57710	334.88273	8.53769	0.1353887	0.21591562	2.7517776	20	4 3.5	19.2
236346 2006 BT_{138}	16.9	X	177.45709	95.83733	173.29504	1.22592	0.1742909	0.25970400	2.4330458	20	—	—
236347 2006 BX_{140}	16.1	X	200.39927	268.67026	337.69691	12.31617	0.1870791	0.25962978	2.4335095	20	—	—
236348 2006 BA_{154}	16.4	X	269.81406	15.95692	168.83301	7.77100	0.1025940	0.26378791	2.4078686	20	—	—
236349 2006 BC_{156}	16.1	X	131.88418	269.20816	140.65188	5.07428	0.0725121	0.21416664	2.7667389	20	3 13.6	19.9
236350 2006 BP_{156}	16.8	X	254.68576	61.28854	344.53045	10.79771	0.1297021	0.23671377	2.5881356	20	7 23.5	20.4
236351 2006 BB_{157}	17.3	X	93.74943	155.54493	99.06699	2.82357	0.1259348	0.24055144	2.5605352	20	10 28.8	21.0
236352 2006 BE_{157}	15.9	X	9.94691	64.04405	118.57528	4.27310	0.1063449	0.21241610	2.7819186	20	3 17.1	19.0
236353 2006 BB_{162}	16.4	X	186.18144	252.59205	356.31065	7.92457	0.2023570	0.25817498	2.4426427	20	—	—
236354 2006 BJ_{166}	16.4	X	330.38646	336.83586	355.24913	0.51649	0.1345705	0.23616336	2.5921554	20	8 6.5	19.0
236355 2006 BY_{166}	16.7	X	157.15169	148.94565	138.91993	5.77409	0.0994840	0.26203955	2.4185672	20	—	—
236356 2006 BE_{179}	17.1	X	320.61351	263.58092	329.38258	2.26617	0.1308871	0.28297647	2.2977485	20	2 19.7	19.8
236357 2006 BH_{184}	16.9	X	235.80772	219.73015	337.50048	4.36815	0.1012546	0.26190740	2.4193807	20	—	—
236358 2006 BV_{189}	17.4	X	227.52471	171.32860	45.00624	3.16148	0.1508554	0.25918602	2.4362864	20	—	—
236359 2006 BE_{194}	16.9	X	198.94858	83.13958	192.19615	2.47011	0.2152629	0.26636346	2.3923219	20	—	—
236360 2006 BM_{197}	17.4	X	10.76892	55.28690	166.96533	4.62104	0.0481681	0.29083645	2.2561614	20	5 8.4	19.8
236361 2006 BR_{197}	16.7	X	99.97865	190.26214	167.08812	7.85093	0.0721485	0.26683774	2.3894863	20	—	—
236362 2006 BG_{209}	17.4	X	303.04510	311.29685	161.39165	1.44074	0.1468413	0.26163149	2.4210813	20	—	—
236363 2006 BK_{219}	16.7	X	147.63036	109.89165	164.62855	2.24289	0.1538282	0.25633528	2.4543159	20	—	—
236364 2006 BK_{220}	16.3	X	178.53054	61.82520	327.29559	6.64099	0.0473078	0.22137525	2.7063461	20	4 3.4	20.2
236365 2006 BM_{237}	17.3	X	196.74500	243.49824	33.97712	2.62162	0.1835481	0.26852442	2.3794697	20	—	—
236366 2006 BL_{250}	17.1	X	184.29536	341.72857	322.56674	0.99309	0.1849794	0.26955634	2.3733931	20	—	—
236367 2006 BM_{255}	17.3	X	223.94133	269.52044	296.80727	1.90109	0.1190503	0.25888519	2.4381733	20	—	—
236368 2006 BY_{256}	16.6	X	84.12198	260.55156	15.44517	2.59268	0.0785460	0.24538175	2.5268214	20	11 8.7	20.0
236369 2006 BT_{267}	16.9	X	284.29996	59.37425	79.23359	6.51349	0.1243392	0.26036916	2.4289003	20	—	—
236370 2006 BE_{275}	16.0	X	219.44373	120.34088	347.02797	21.46432	0.1505068	0.23938661	2.5688346	20	8 30.8	19.8
236371 2006 BD_{277}	17.6	X	340.84136	210.24280	209.82001	0.76199	0.1249565	0.25868649	2.4394217	20	—	—
236372 2006 BW_{278}	16.2	X	281.29520	38.93836	180.54482	3.77467	0.0530339	0.20382807	2.8595216	20	1 6.2	20.2
236373 2006 BY_{280}	16.6	X	55.01648	228.58834	123.19895	7.13223	0.1161830	0.25518201	2.4617050	20	—	—
236374 2006 CO_{1}	16.8	X	178.55902	205.70478	79.40892	3.17262	0.1151089	0.26687236	2.3892797	20	—	—
236375 2006 CT_{6}	16.7	X	261.56881	60.74274	158.85925	4.98108	0.1101951	0.26938868	2.3743778	20	—	—
236376 2006 CB_{16}	17.6	X	318.97311	109.30030	27.87761	2.95137	0.1262203	0.26712580	2.3877682	20	—	—
236377 2006 CR_{18}	16.6	X	190.71620	352.25429	302.22837	5.42662	0.1234690	0.27183433	2.3601151	20	—	—
236378 2006 CD_{23}	16.1	X	64.70560	235.55268	31.71931	11.81423	0.2691894	0.22761885	2.6566269	20	10 26.8	20.2
236379 2006 CL_{29}	16.7	X	95.80689	329.72173	296.77395	3.05394	0.2622976	0.24344647	2.5401950	20	11 22.4	21.1
236380 2006 CJ_{62}	14.8	X	320.09150	30.66743	112.76971	13.36443	0.0413903	0.19347691	2.9606242	20	—	—
236381 2006 CR_{65}	16.8	X	16.17974	225.99372	158.48791	5.92447	0.1146747	0.25444642	2.4664472	20	—	—
236382 2006 CZ_{65}	15.9	X	28.84711	253.08104	34.21304	12.98840	0.1979361	0.22504022	2.6768824	20	10 1.7	19.1
236383 2006 DH_{5}	16.6	X	241.46060	229.66083	6.64412	5.66257	0.1685648	0.26672402	2.3901655	20	—	—
236384 2006 DH_{14}	16.2	X	56.56415	34.53443	118.12053	8.94464	0.1296117	0.21504126	2.7592318	20	4 27.8	19.7
236385 2006 DO_{14}	16.1	X	141.02041	294.45893	94.21248	5.49581	0.0850426	0.21002062	2.8030323	20	2 29.6	20.2
236386 2006 DF_{16}	16.8	X	165.01033	202.39947	87.02092	3.01928	0.0777057	0.26401516	2.4064868	20	—	—
236387 2006 DV_{20}	16.4	X	48.69520	310.71181	329.34097	13.15701	0.1586031	0.23804479	2.5784790	20	10 5.5	20.0
236388 2006 DK_{27}	17.5	X	203.07438	110.56667	357.86597	6.48725	0.1241566	0.23685785	2.5870860	20	8 15.4	21.4
236389 2006 DZ_{29}	16.5	X	119.23639	155.86946	353.82549	5.81627	0.0782064	0.22649374	2.6654175	20	7 6.5	20.4
236390 2006 DA_{32}	16.5	X	203.77304	147.69851	342.33790	9.51764	0.0975930	0.24054165	2.5606046	20	9 13.2	20.2
236391 2006 DK_{35}	17.2	X	247.65593	350.47880	188.53785	1.17682	0.1208614	0.25602481	2.4562997	20	—	—
236392 2006 DP_{36}	15.9	X	46.10430	108.79892	358.10800	14.67337	0.1029179	0.20469064	2.8514826	20	2 9.2	19.5
236393 2006 DH_{37}	15.8	X	28.08776	322.85875	355.85046	12.10959	0.3906947	0.23312529	2.6146273	20	12 6.1	19.7
236394 2006 DE_{38}	16.8	X	272.87138	114.21094	12.59427	3.71806	0.0859457	0.25568402	2.4584818	20	12 15.7	19.7
236395 2006 DE_{39}	16.1	X	275.76360	354.77646	4.21064	13.85959	0.0165696	0.22595825	2.6696270	20	7 3.7	19.9
236396 2006 DV_{43}	15.8	X	337.26510	198.36838	158.25068	34.31815	0.2136136	0.24232677	2.5480139	20	10 5.3	18.3
236397 2006 DD_{52}	16.6	X	128.58869	267.86314	234.25886	10.79383	0.2478223	0.23093571	2.6311280	20	7 16.5	21.2
236398 2006 DZ_{58}	17.2	X	236.78657	90.50686	356.22553	4.82800	0.1973325	0.23921450	2.5700667	20	8 15.4	21.0
236399 2006 DM_{59}	16.7	X	197.15246	243.76260	184.66233	3.65417	0.0947373	0.22658111	2.6647323	20	6 17.0	20.7
236400 2006 DH_{60}	16.9	X	204.64660	215.51583	198.13634	2.25559	0.0803639	0.22323596	2.6912866	20	6 6.8	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236401 2006 DW_{61}	16.9	X	9.23963	92.65204	115.89853	8.85893	0.0524738	0.28632884	2.2797785	20	4 18.6	19.5
236402 2006 DY_{61}	15.7	X	97.60010	150.21477	101.65731	11.51939	0.1943651	0.24004043	2.5641678	20	11 6.8	20.0
236403 2006 DS_{64}	15.4	X	53.78521	51.67715	348.36787	11.53107	0.0659657	0.19685225	2.9266837	20	—	—
236404 2006 DU_{64}	17.2	X	240.72513	184.90782	352.26783	8.23950	0.1094062	0.25679207	2.4514045	20	—	—
236405 2006 DF_{68}	16.6	X	338.46199	142.29774	347.91569	6.78979	0.0806040	0.26798189	2.3826802	20	—	—
236406 2006 DH_{73}	15.8	X	123.63276	240.69773	11.85753	10.32218	0.0490755	0.24240364	2.5474752	20	11 19.2	19.5
236407 2006 DC_{74}	16.9	X	252.30140	256.62949	165.15705	11.88202	0.1770270	0.23928930	2.5695310	20	7 30.7	20.5
236408 2006 DH_{74}	15.4	X	37.10635	105.83087	28.44009	17.47919	0.0747866	0.20864565	2.8153334	20	3 3.5	19.2
236409 2006 DC_{80}	16.7	X	260.28111	209.63563	181.87887	3.37990	0.0464340	0.23193440	2.6235697	20	7 20.0	20.1
236410 2006 DG_{80}	16.6	X	12.85110	87.86709	230.80885	0.41366	0.0753048	0.23830076	2.5766322	20	9 29.5	19.5
236411 2006 DU_{80}	16.6	X	2.35067	157.33229	172.46415	1.94839	0.2277151	0.23728117	2.5840081	20	10 18.4	18.8
236412 2006 DN_{84}	16.3	X	240.22478	269.61155	173.55166	13.13628	0.1546539	0.24066605	2.5597221	20	8 16.7	20.1
236413 2006 DC_{85}	16.7	X	352.95157	324.47542	320.40566	3.15192	0.0679111	0.22689743	2.6622551	20	7 9.3	19.9
236414 2006 DG_{90}	17.2	X	172.07724	129.23960	160.19127	2.67364	0.1918626	0.25847599	2.4407459	20	—	—
236415 2006 DP_{91}	17.3	X	50.46879	152.27519	146.83233	3.13731	0.1877950	0.23682613	2.5873170	20	11 13.0	20.9
236416 2006 DO_{92}	16.8	X	229.45876	85.41791	24.64275	1.19524	0.0272413	0.23909008	2.5709582	20	9 28.4	19.9
236417 2006 DA_{93}	16.7	X	182.51898	3.64097	23.50281	1.36148	0.0834113	0.21442884	2.7644830	20	4 9.6	20.9
236418 2006 DR_{93}	16.9	X	177.95497	254.99117	187.56648	2.15293	0.1203256	0.22525847	2.6751530	20	6 14.5	21.0
236419 2006 DH_{94}	17.1	X	199.43409	16.07584	154.38091	1.44666	0.0655679	0.24421343	2.5348739	20	11 5.1	20.6
236420 2006 DM_{96}	16.9	X	146.04501	317.50416	185.34150	2.81596	0.1178519	0.22942188	2.6426896	20	7 28.9	21.0
236421 2006 DU_{96}	17.0	X	79.15545	228.91298	354.77095	3.98314	0.1310425	0.22886588	2.6469679	20	9 1.1	20.6
236422 2006 DC_{97}	16.7	X	27.81299	138.25019	127.17154	4.33325	0.1260159	0.22733733	2.6588196	20	8 14.9	19.7
236423 2006 DW_{101}	16.6	X	116.41280	192.76718	31.82631	2.60843	0.1053809	0.23923542	2.5699168	20	10 12.2	20.3
236424 2006 DO_{102}	17.0	X	117.76856	158.25659	130.83402	2.63826	0.0712037	0.25237600	2.4799182	20	—	—
236425 2006 DF_{103}	16.7	X	176.41940	160.66034	137.54433	2.00068	0.1769354	0.26325135	2.4111393	20	—	—
236426 2006 DS_{114}	16.4	X	243.98121	9.21535	105.49384	3.81349	0.1120914	0.24474856	2.5311776	20	10 13.8	19.7
236427 2006 DX_{115}	17.3	X	200.02659	17.16818	121.64852	2.37563	0.1358891	0.24004684	2.5641222	20	9 18.9	21.0
236428 2006 DZ_{115}	16.8	X	96.54355	129.75516	59.34695	3.11038	0.0228926	0.22731156	2.6590206	20	7 23.5	20.3
236429 2006 DJ_{119}	16.8	X	302.50751	64.12509	33.92522	7.53156	0.0809133	0.25689815	2.4507296	20	12 24.8	19.6
236430 2006 DB_{122}	16.1	X	238.65502	326.46868	145.14021	4.58405	0.1075832	0.24352804	2.5396278	20	10 2.7	19.4
236431 2006 DM_{126}	16.6	X	34.76617	89.44762	226.65368	2.60673	0.0991901	0.24436141	2.5338504	20	11 2.1	19.7
236432 2006 DF_{132}	16.3	X	103.90322	101.61420	100.23704	4.03393	0.0304571	0.23421105	2.6065404	20	8 22.0	19.7
236433 2006 DG_{135}	17.6	X	244.12272	348.63133	62.93884	0.99179	0.0828763	0.23523716	2.5989550	20	7 21.6	21.0
236434 2006 DX_{140}	16.9	X	201.97040	220.40055	40.76507	3.96444	0.1980045	0.25994978	2.4315119	20	—	—
236435 2006 DH_{155}	16.1	X	333.22736	125.17090	239.23699	2.97435	0.1958270	0.23869207	2.5738154	20	9 29.9	18.1
236436 2006 DQ_{155}	15.9	X	199.69091	47.81299	342.85061	10.41224	0.1443451	0.21950075	2.7217321	20	4 26.4	20.4
236437 2006 DJ_{166}	16.2	X	289.88550	163.66678	140.61630	7.07083	0.1523414	0.21699900	2.7426111	20	4 19.9	20.0
236438 2006 DC_{174}	17.1	X	131.31729	9.09719	140.52859	3.23535	0.0495262	0.22873058	2.6480117	20	7 17.3	20.8
236439 2006 DW_{174}	16.7	X	355.39020	349.52171	33.22472	2.93046	0.0619720	0.24804728	2.5086866	20	11 30.3	19.6
236440 2006 DL_{188}	17.5	X	209.61616	29.93634	104.47001	1.53960	0.0583109	0.24074840	2.5591384	20	10 2.0	20.9
236441 2006 DB_{197}	15.8	X	147.10317	280.35293	303.76838	12.28005	0.1306530	0.24389594	2.5370732	20	11 8.0	20.0
236442 2006 DD_{199}	15.9	X	214.20464	153.96827	155.61273	22.98118	0.1234985	0.27984041	2.3148833	20	1 29.3	19.6
236443 2006 DO_{200}	16.2	X	107.93813	197.88501	63.79121	13.45150	0.2106254	0.24096959	2.5575721	20	11 24.1	20.5
236444 2006 DA_{204}	15.6	X	143.58172	246.70907	313.34828	11.89092	0.1278142	0.23973263	2.5663622	20	10 3.0	19.8
236445 2006 DC_{207}	16.5	X	348.39325	130.74913	182.63001	14.53518	0.1345985	0.22849664	2.6498187	20	8 9.5	19.5
236446 2006 DZ_{207}	16.7	X	147.91041	144.95473	320.28965	2.91286	0.0196889	0.22142948	2.7059042	20	6 5.8	20.4
236447 2006 DC_{208}	16.1	X	358.81469	43.04500	318.72167	3.52735	0.1445413	0.24143858	2.5542590	20	11 14.3	18.9
236448 2006 DY_{211}	15.7	X	178.76001	180.39196	157.27906	14.26836	0.1766214	0.19162261	2.9796932	20	2 10.4	20.8
236449 2006 DV_{215}	16.0	X	226.48271	59.08444	339.31589	11.63021	0.1941314	0.22722503	2.6596956	20	5 30.6	20.6
236450 2006 EH_{6}	16.2	X	290.53445	207.15310	154.43112	7.57538	0.1125471	0.23295334	2.6159138	20	7 11.5	19.4
236451 2006 EX_{10}	16.9	X	256.38239	288.06202	144.07032	4.80914	0.1662999	0.24087801	2.5582203	20	8 22.7	20.2
236452 2006 EA_{19}	16.5	X	8.66793	240.59116	16.12807	4.56208	0.0479053	0.22188338	2.7022127	20	6 23.2	19.8
236453 2006 EW_{21}	16.6	X	82.38188	131.75463	153.97498	11.16600	0.1223069	0.24524670	2.5277489	20	11 26.6	20.5
236454 2006 ED_{22}	16.3	X	2.13949	189.77671	135.59528	3.92159	0.2334253	0.23819707	2.5773799	20	10 13.9	18.6
236455 2006 ES_{32}	16.2	X	297.63966	57.31625	275.44347	2.50873	0.0675707	0.22616000	2.6680391	20	6 18.9	19.6
236456 2006 EC_{52}	16.3	X	164.48156	288.07922	2.74287	14.39028	0.1503409	0.25951527	2.4342253	20	—	—
236457 2006 EZ_{56}	16.2	X	156.90581	177.99346	329.19242	8.69305	0.0289083	0.23403683	2.6078338	20	8 15.4	19.8
236458 2006 EM_{57}	15.8	X	335.57356	9.69879	331.50446	13.39426	0.1156465	0.23636927	2.5906498	20	8 29.9	18.3
236459 2006 EF_{58}	17.0	X	188.60269	359.23529	258.44101	2.19187	0.1503630	0.25715623	2.4490896	20	—	—
236460 2006 EY_{64}	17.2	X	94.87871	53.99491	205.19974	3.79868	0.2252831	0.23654602	2.5893591	20	11 10.9	21.4
236461 2006 EP_{66}	16.8	X	36.83767	323.34540	326.34973	2.77414	0.1235387	0.23270933	2.6177421	20	9 30.9	20.0
236462 2006 ER_{72}	17.1	X	112.04618	92.10635	186.13379	10.11317	0.1688852	0.24486002	2.5304094	20	12 16.4	21.4
236463 Bretecher	17.0	X	131.39028	199.64397	14.55042	2.47393	0.0776525	0.24323020	2.5417005	20	10 13.9	20.7
236464 2006 FQ	16.8	X	134.00107	138.26054	21.67294	13.40764	0.2035823	0.23090075	2.6313936	20	8 18.9	21.4
236465 2006 FO_{1}	17.4	X	242.47430	77.86431	19.92930	0.53956	0.1018873	0.24135859	2.5548234	20	9 18.1	20.5
236466 2006 FQ_{1}	15.8	X	68.49072	95.75204	181.26306	27.56761	0.2732083	0.22834211	2.6510141	20	11 14.5	20.4
236467 2006 FB_{7}	16.7	X	148.62166	134.68560	60.23044	2.36882	0.1204330	0.23617802	2.5920482	20	10 8.3	20.6
236468 2006 FY_{7}	16.5	X	50.77560	250.59365	34.89123	6.05468	0.1806344	0.23100982	2.6305653	20	10 24.0	20.0
236469 2006 FF_{8}	16.9	X	132.71523	357.68678	194.27202	2.79325	0.0354696	0.23296198	2.6158491	20	9 12.7	20.5
236470 2006 FE_{11}	15.8	X	292.44243	336.09393	17.84841	15.02967	0.0414532	0.22756478	2.6570477	20	7 19.2	19.6
236471 2006 FF_{11}	16.4	X	264.31335	280.47823	116.63895	3.86303	0.0742741	0.23139361	2.6276558	20	7 29.9	19.9
236472 2006 FS_{14}	16.8	X	156.20330	3.22274	168.24250	4.17649	0.0212828	0.23418929	2.6067019	20	9 15.6	20.4
236473 2006 FO_{18}	16.4	X	232.66578	248.57107	171.56218	2.10056	0.1955664	0.22836065	2.6508706	20	7 5.3	20.5
236474 2006 FK_{19}	15.6	X	276.09784	20.09917	23.98897	13.39246	0.1133589	0.23176103	2.6248779	20	8 26.2	19.1
236475 2006 FT_{20}	17.1	X	238.65015	9.47286	29.78924	3.11778	0.0748907	0.22788926	2.6545249	20	6 28.6	20.9
236476 2006 FX_{22}	16.0	X	357.60475	83.44875	191.94079	13.91742	0.0586563	0.22148894	2.7054199	20	7 1.0	19.6
236477 2006 FO_{23}	16.9	X	13.66909	130.63926	170.99334	3.75310	0.1457271	0.22773048	2.6557587	20	9 13.9	19.8
236478 2006 FL_{26}	15.9	X	109.11162	24.60238	192.06888	16.34063	0.0689279	0.23291547	2.6161973	20	9 18.2	19.6
236479 2006 FU_{32}	17.3	X	234.34294	98.68508	177.66258	4.25036	0.2158294	0.26342670	2.4100693	20	1 7.9	21.4
236480 2006 FC_{33}	16.1	X	23.06469	217.07639	24.66917	9.53991	0.1173785	0.21817719	2.7327285	20	7 1.5	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236481 2006 FM_{34}	16.5	X	132.26273	216.47627	8.92673	9.62575	0.1520895	0.23748338	2.5825410	20	10 27.7	20.8
236482 2006 FO_{34}	16.2	X	168.82865	209.85447	3.30411	12.00538	0.2241022	0.24191614	2.5508964	20	11 10.9	20.7
236483 2006 FW_{34}	15.6	X	105.18035	171.87719	15.78044	12.55171	0.0998254	0.22480087	2.6787821	20	8 16.2	19.7
236484 Luchijen	16.5	X	109.84377	11.74996	205.09317	5.23320	0.1616503	0.22963372	2.6410641	20	9 27.2	20.7
236485 2006 FK_{36}	16.5	X	52.62168	38.48445	208.19411	2.22367	0.1057865	0.22711701	2.6605389	20	8 22.4	19.8
236486 2006 FS_{36}	15.7	X	138.46132	326.28720	182.39499	13.43940	0.2022443	0.22922556	2.6441983	20	7 30.7	20.3
236487 2006 FR_{40}	17.3	X	237.69397	45.91188	152.36310	1.99425	0.1302764	0.25809854	2.4431250	20	—	—
236488 2006 FY_{40}	16.4	X	133.06289	89.67449	50.81188	9.59316	0.1100432	0.22365281	2.6879415	20	7 13.2	20.6
236489 2006 FO_{44}	16.1	X	145.20215	140.38179	37.90859	7.99880	0.1421117	0.23296350	2.6158377	20	9 16.6	20.3
236490 2006 FP_{54}	16.5	X	237.53142	13.45178	45.02963	6.51991	0.0313518	0.22625955	2.6672564	20	7 31.2	20.2
236491 2006 GE_{2}	15.8	X	118.47401	303.30871	258.27693	12.63438	0.1457779	0.23266321	2.6180880	20	9 9.9	20.1
236492 2006 GG_{3}	15.8	X	17.27668	208.11670	87.01901	15.48432	0.1807449	0.22442239	2.6817931	20	9 25.3	19.1
236493 2006 GF_{12}	16.4	X	319.36207	316.58194	69.44475	4.67241	0.1561312	0.23738038	2.5832880	20	10 7.0	18.9
236494 2006 GJ_{12}	16.7	X	112.41523	191.72699	57.33913	5.28290	0.1351422	0.23826631	2.5768806	20	11 9.2	20.5
236495 2006 GJ_{14}	16.5	X	9.64812	112.08721	142.42055	4.18738	0.1233774	0.21862893	2.7289629	20	6 25.4	19.5
236496 2006 GB_{19}	16.4	X	208.99180	48.88935	57.14289	4.60150	0.1425194	0.23327915	2.6134775	20	8 16.9	20.4
236497 2006 GU_{20}	16.9	X	211.40070	341.24456	129.78386	3.50093	0.1134285	0.23393829	2.6085660	20	8 27.3	20.8
236498 2006 GX_{20}	16.5	X	253.90909	345.66001	138.13213	3.46337	0.1374171	0.24529460	2.5274198	20	11 4.2	19.6
236499 2006 GP_{21}	17.4	X	180.79440	280.52949	199.91309	3.38947	0.0778313	0.23223687	2.6212912	20	8 5.9	21.3
236500 2006 GA_{23}	16.9	X	102.06778	68.42347	65.66647	4.30263	0.1404098	0.21737221	2.7394710	20	6 1.8	20.7
236501 2006 GT_{26}	16.9	X	338.28099	159.48365	174.50526	3.73258	0.0476033	0.22768867	2.6560838	20	8 23.8	20.1
236502 2006 GR_{28}	16.0	X	251.97793	241.97441	197.93763	7.31835	0.1673020	0.23490499	2.6014045	20	8 24.2	19.7
236503 2006 GO_{30}	16.6	X	244.27114	177.39467	172.73409	6.31790	0.0660767	0.21344576	2.7729648	20	5 4.1	20.5
236504 2006 GC_{31}	16.6	X	36.23365	83.61476	165.12363	2.34168	0.1147293	0.22090639	2.7101742	20	8 1.6	19.7
236505 2006 GQ_{34}	14.8	X	90.42652	259.47697	37.40568	20.06675	0.1155248	0.17382013	3.1798210	20	11 27.7	19.8
236506 2006 GS_{36}	15.9	X	280.42207	129.37028	180.13650	5.60491	0.1953905	0.21153224	2.7896625	20	4 6.9	19.9
236507 2006 GU_{36}	16.6	X	60.38691	136.32305	163.95656	3.49390	0.1056774	0.23856651	2.5747183	20	11 15.4	20.2
236508 2006 GO_{38}	15.7	X	38.39130	220.00171	66.32513	19.03499	0.1906330	0.22879505	2.6475142	20	10 19.2	19.4
236509 2006 GK_{41}	15.5	X	270.92159	337.16166	200.90285	10.42278	0.1186789	0.18763133	3.0218006	20	—	—
236510 2006 GA_{43}	15.8	X	92.12908	106.04524	163.90153	13.55385	0.1248945	0.23450911	2.6043314	20	11 16.2	19.9
236511 2006 GL_{45}	15.7	X	108.59769	209.95294	39.89125	11.34256	0.1472475	0.23617222	2.5920906	20	11 6.0	19.8
236512 2006 GL_{46}	17.1	X	120.28728	51.15581	147.95364	2.56650	0.1316778	0.22961859	2.6411801	20	9 14.6	21.1
236513 2006 GE_{47}	17.1	X	129.38556	110.42473	30.45219	3.45561	0.1442760	0.22443106	2.6817240	20	7 11.8	21.2
236514 2006 GB_{48}	16.9	X	110.88568	151.47181	78.29787	0.57506	0.1437319	0.23408346	2.6074875	20	10 14.7	20.9
236515 2006 GF_{48}	16.3	X	284.04964	295.38507	18.63493	3.86781	0.0459298	0.21431213	2.7654865	20	5 7.6	20.0
236516 2006 GR_{48}	16.9	X	128.48221	40.29090	211.37875	1.83228	0.1222609	0.24002432	2.5642826	20	11 27.5	20.7
236517 2006 GH_{49}	14.8	X	96.84384	191.06842	72.48991	21.63808	0.0554036	0.16908563	3.2389052	20	10 31.7	19.8
236518 2006 GL_{50}	15.2	X	90.43269	171.72048	67.58018	13.90313	0.1019445	0.22994592	2.6386730	20	10 7.9	19.2
236519 2006 GV_{52}	15.8	X	78.36509	129.52934	135.74415	28.34193	0.2309321	0.23154954	2.6264760	20	11 12.8	20.6
236520 2006 HA_{3}	17.2	X	124.35745	69.08384	158.94290	3.51894	0.1561490	0.23612654	2.5924249	20	10 27.1	21.4
236521 2006 HG_{3}	16.6	X	232.06150	189.56878	175.05854	6.48502	0.0639559	0.21381420	2.7697784	20	5 8.5	20.6
236522 2006 HQ_{4}	16.7	X	44.47774	129.92955	149.72941	2.90700	0.1512999	0.22857838	2.6491870	20	10 4.1	20.0
236523 2006 HA_{5}	16.5	X	106.44263	178.15224	36.53818	5.15974	0.1729371	0.23129319	2.6284163	20	9 24.9	20.6
236524 2006 HT_{5}	16.4	X	75.75732	95.40236	162.63298	12.95835	0.2402753	0.22712007	2.6605150	20	10 26.5	20.7
236525 2006 HS_{9}	15.2	X	223.36008	26.17928	175.22415	12.14672	0.0721115	0.18155496	3.0888534	20	12 26.1	19.9
236526 2006 HE_{11}	16.5	X	170.06996	82.91065	56.78900	14.60139	0.1104807	0.23068295	2.6330496	20	8 27.0	20.8
236527 2006 HP_{11}	15.8	X	233.70245	225.60040	136.18014	6.88578	0.0236027	0.21358341	2.7717733	20	5 11.8	19.7
236528 2006 HV_{12}	16.5	X	318.74158	161.46183	159.74974	6.57701	0.0213961	0.22206339	2.7007522	20	7 8.7	20.2
236529 2006 HL_{13}	16.5	X	259.53052	352.91810	258.65983	4.61602	0.1974318	0.26785544	2.3834300	20	—	—
236530 2006 HF_{16}	16.3	X	116.31600	53.53807	182.30611	4.19240	0.1608224	0.23405333	2.6077113	20	10 28.9	20.3
236531 2006 HK_{19}	16.8	X	78.72439	189.76857	119.28865	4.40560	0.2326411	0.23827342	2.5768293	20	12 26.7	21.1
236532 2006 HV_{25}	16.2	X	53.14262	18.15966	202.89041	5.08185	0.1821303	0.21903523	2.7255871	20	7 29.5	19.8
236533 2006 HB_{26}	16.2	X	200.55669	340.20600	65.45924	5.65699	0.0743659	0.21347340	2.7727255	20	5 23.0	20.2
236534 2006 HD_{29}	15.5	X	235.37774	164.99976	52.13812	13.98532	0.1299595	0.18451129	3.0557706	20	—	—
236535 2006 HM_{30}	16.5	X	90.95418	187.06629	49.47807	6.49947	0.1753849	0.23219664	2.6215939	20	10 7.8	20.6
236536 2006 HR_{34}	16.4	X	185.38312	81.87427	71.85684	4.51581	0.2308810	0.23782423	2.5800729	20	9 19.1	20.7
236537 2006 HH_{35}	16.6	X	70.25519	207.32076	46.18054	4.51990	0.1952247	0.22722728	2.6596781	20	10 8.3	20.4
236538 2006 HB_{38}	16.1	X	98.01869	132.74187	102.06343	5.58278	0.0466195	0.23241011	2.6199884	20	9 30.9	19.7
236539 2006 HU_{38}	16.1	X	330.45583	165.12533	102.01995	5.16249	0.0580258	0.21196927	2.7858268	20	5 11.2	19.6
236540 2006 HW_{38}	16.4	X	19.94906	105.03067	171.82487	5.69089	0.1212717	0.22220659	2.6995918	20	8 14.9	19.5
236541 2006 HN_{42}	16.7	X	141.20120	126.21136	98.13339	4.96589	0.2102424	0.23789971	2.5795272	20	11 7.5	21.0
236542 2006 HM_{43}	16.4	X	68.49840	135.46296	33.05401	4.90828	0.0262742	0.21255277	2.7807261	20	5 16.9	20.1
236543 2006 HK_{45}	16.6	X	64.19588	100.78416	191.78295	6.10333	0.1244667	0.23763523	2.5814408	20	11 12.4	20.2
236544 2006 HH_{46}	15.5	X	54.77512	207.73671	66.11804	14.30753	0.1675178	0.22912443	2.6449763	20	10 17.9	19.3
236545 2006 HD_{47}	17.2	X	351.96500	140.61771	156.11084	3.19995	0.1949871	0.22040497	2.7142830	20	7 25.5	19.6
236546 2006 HG_{47}	16.0	X	67.16513	138.91446	110.15406	14.09026	0.1275898	0.22643843	2.6658516	20	9 24.9	19.9
236547 2006 HH_{47}	16.3	X	172.59562	149.82005	14.16942	5.47361	0.1847530	0.23616368	2.5921531	20	9 21.1	20.5
236548 2006 HW_{48}	15.9	X	52.56120	107.76836	180.42976	14.79772	0.2231857	0.22850571	2.6497486	20	11 6.4	19.8
236549 2006 HD_{51}	16.1	X	47.74756	267.03409	353.02284	8.27126	0.2226772	0.22507696	2.6765911	20	9 21.4	19.5
236550 2006 HP_{51}	15.8	X	36.53978	306.95033	312.70526	10.71815	0.1651296	0.22321397	2.6914633	20	8 23.8	19.0
236551 2006 HT_{52}	15.7	X	64.03278	205.53044	50.43512	16.49271	0.1182026	0.22925552	2.6439680	20	10 1.2	19.6
236552 2006 HA_{55}	15.8	X	75.30506	89.03116	168.45794	11.27957	0.1673252	0.22882720	2.6472662	20	10 16.7	19.7
236553 2006 HU_{58}	16.2	X	69.31524	7.22735	220.21363	11.01257	0.1367457	0.22492420	2.6778028	20	8 19.9	20.1
236554 2006 HX_{58}	15.7	X	55.45810	325.02699	301.45713	10.90652	0.1621817	0.23102492	2.6304507	20	9 25.9	19.5
236555 2006 HK_{59}	15.8	X	343.07280	301.51895	352.99474	11.47859	0.0866696	0.22021027	2.7158827	20	7 7.9	19.2
236556 2006 HV_{59}	16.2	X	164.87556	353.92306	144.41535	6.52529	0.1918940	0.22968500	2.6406710	20	8 11.8	20.5
236557 2006 HB_{64}	16.5	X	169.98168	6.97086	69.61054	5.22514	0.0488997	0.21486783	2.7607163	20	5 28.1	20.5
236558 2006 HH_{66}	16.1	X	122.67220	242.43241	89.70042	1.84470	0.1824678	0.18059332	3.0998089	20	—	—
236559 2006 HZ_{68}	16.5	X	276.94769	277.98078	57.17148	6.36672	0.0384400	0.21387432	2.7692593	20	5 27.9	20.2
236560 2006 HO_{69}	16.3	X	45.62889	55.34193	166.44958	8.58462	0.1207801	0.21879062	2.7276182	20	7 9.7	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236561 2006 HZ_{74}	15.4	X	5.17427	225.91406	72.88067	13.88499	0.1543656	0.22398370	2.6852936	20	9 2.3	18.6
236562 2006 HD_{75}	16.1	X	160.08157	0.81338	177.72965	12.87508	0.0919742	0.23297917	2.6157204	20	9 28.9	19.9
236563 2006 HL_{78}	16.4	X	342.92444	183.24630	194.54165	3.54920	0.0783450	0.24085208	2.5584039	20	11 5.1	19.3
236564 2006 HB_{80}	16.7	X	154.97670	14.15848	76.14021	1.65095	0.0318374	0.21383190	2.7696256	20	5 27.1	20.6
236565 2006 HB_{81}	16.7	X	195.82932	262.54351	254.82627	1.14224	0.0303485	0.23560373	2.5962585	20	10 16.0	20.3
236566 2006 HZ_{83}	16.0	X	84.96633	321.07342	206.87336	11.30126	0.1827745	0.21706629	2.7420442	20	6 30.5	20.1
236567 2006 HB_{86}	16.1	X	273.50763	343.54448	189.58894	10.39259	0.0220741	0.18488090	3.0516966	20	—	—
236568 2006 HQ_{86}	16.5	X	85.24665	120.35991	146.99409	3.49896	0.1043250	0.23451513	2.6042867	20	11 1.7	20.2
236569 2006 HS_{88}	16.6	X	128.70550	335.79724	154.93435	5.28207	0.1677945	0.21843134	2.7306083	20	6 28.9	21.0
236570 2006 HJ_{89}	16.4	X	75.32556	120.08753	130.44580	9.56239	0.0889553	0.23177871	2.6247444	20	9 29.6	20.1
236571 2006 HV_{91}	16.4	X	19.46923	113.63607	132.25289	5.89882	0.0637932	0.21660825	2.7459084	20	6 25.7	19.8
236572 2006 HK_{92}	16.6	X	265.61861	211.87662	183.11932	8.00098	0.1647552	0.22211622	2.7003239	20	7 12.4	20.4
236573 2006 HS_{92}	16.4	X	293.65796	252.53523	131.77794	4.76201	0.0980751	0.22656694	2.6648434	20	8 20.7	19.4
236574 2006 HG_{93}	16.4	X	251.22639	128.39696	178.13075	5.55153	0.0528239	0.20334661	2.8640335	20	3 18.3	20.5
236575 2006 HS_{95}	16.3	X	108.88935	341.90639	221.44551	8.00426	0.0720304	0.22756453	2.6570496	20	8 29.4	20.2
236576 2006 HL_{96}	17.0	X	283.89861	291.83848	50.14486	6.83921	0.0413565	0.21665354	2.7455257	20	6 15.1	20.7
236577 2006 HV_{99}	16.8	X	282.51461	104.87158	215.15289	3.46014	0.1018301	0.21034852	2.8001185	20	5 6.1	20.5
236578 2006 HW_{99}	16.7	X	72.26272	355.92307	226.01951	8.03229	0.0392664	0.22266746	2.6958655	20	8 2.7	20.5
236579 2006 HE_{101}	16.2	X	212.90454	250.40133	136.56246	4.04377	0.0459984	0.21124047	2.7922307	20	5 15.9	20.2
236580 2006 HR_{101}	17.0	X	144.46503	344.44848	123.05037	4.59294	0.0488921	0.21454227	2.7635085	20	6 7.6	21.0
236581 2006 HL_{104}	15.7	X	207.53777	336.24694	175.53369	14.50327	0.1088409	0.23722835	2.5843916	20	10 17.3	19.5
236582 2006 HT_{104}	16.2	X	118.90475	29.73822	164.63288	8.17363	0.1452943	0.23062706	2.6334750	20	9 7.7	20.4
236583 2006 HX_{105}	16.1	X	128.89308	220.31278	334.82868	13.43834	0.1159291	0.23188575	2.6239367	20	9 14.2	20.2
236584 2006 HB_{106}	16.2	X	284.05416	202.01577	139.07287	5.53965	0.1371451	0.21627631	2.7487173	20	5 31.7	19.8
236585 2006 HR_{111}	16.6	X	97.67256	217.78257	352.62234	6.41757	0.1905994	0.22678931	2.6631011	20	9 10.6	20.6
236586 2006 HQ_{117}	16.6	X	282.83497	217.54679	108.44779	5.24074	0.1046940	0.21159065	2.7891491	20	5 15.4	20.3
236587 2006 HT_{119}	16.8	X	229.81970	235.51436	171.13703	5.30707	0.0277348	0.22106500	2.7088776	20	7 2.4	20.5
236588 2006 HV_{120}	16.7	X	358.59540	98.32079	143.85584	4.58234	0.0490584	0.21154095	2.7895860	20	5 19.9	20.3
236589 2006 HO_{121}	16.2	X	69.73400	9.69586	150.36630	12.35749	0.0926296	0.21144792	2.7904041	20	5 21.5	20.1
236590 2006 HV_{121}	16.4	X	135.87820	88.44443	211.08372	10.46675	0.2921585	0.24294684	2.5436765	20	—	—
236591 2006 HW_{121}	14.9	X	163.97425	161.67221	159.55512	12.87205	0.1506761	0.18399249	3.0615121	20	1 9.6	20.0
236592 2006 HB_{128}	16.2	X	137.94374	234.88769	340.40811	4.17258	0.1767849	0.23546149	2.5973040	20	10 21.3	20.5
236593 2006 HD_{151}	16.8	X	160.90098	352.89565	195.14474	4.29035	0.1172721	0.23649579	2.5897257	20	10 11.1	20.7
236594 2006 JS_{4}	17.1	X	85.33201	76.14554	189.53781	4.21190	0.1999794	0.23274751	2.6174558	20	11 8.1	21.1
236595 2006 JX_{4}	16.1	X	82.13261	306.88269	209.17809	9.47314	0.0586510	0.21269056	2.7795249	20	5 25.4	19.9
236596 2006 JN_{5}	16.6	X	218.93026	36.92970	303.30599	1.05670	0.0732219	0.20379425	2.8598380	20	3 21.7	21.0
236597 2006 JB_{6}	16.0	X	243.81532	198.73456	199.55794	6.19667	0.0148663	0.22010145	2.7167778	20	7 10.7	19.7
236598 2006 JT_{7}	16.3	X	86.87318	302.41108	215.42340	6.96295	0.1549036	0.21630047	2.7485126	20	6 16.7	20.2
236599 2006 JZ_{12}	16.4	X	267.89750	192.04180	166.15644	6.04711	0.0736854	0.21526847	2.7572899	20	6 11.3	20.2
236600 2006 JF_{16}	16.5	X	244.37408	31.01971	38.25251	2.20072	0.0681272	0.22842314	2.6503871	20	8 17.4	20.1
236601 2006 JZ_{16}	16.0	X	114.19459	200.20262	213.67552	10.65313	0.0911579	0.19813679	2.9140207	20	2 25.9	20.3
236602 2006 JM_{17}	15.8	X	274.36940	113.04974	201.69733	3.16821	0.0869845	0.20978521	2.8051288	20	4 21.0	19.5
236603 2006 JM_{18}	16.2	X	165.00082	251.14068	213.54320	11.09832	0.1300657	0.21972721	2.7198617	20	6 28.5	20.7
236604 2006 JT_{18}	15.9	X	67.13223	287.05156	102.75774	5.05152	0.1075070	0.18314885	3.0709064	20	—	—
236605 2006 JM_{28}	16.4	X	235.85722	321.17532	164.53753	3.57155	0.1251564	0.24040566	2.5615702	20	10 14.1	19.8
236606 2006 JA_{29}	16.9	X	185.55315	1.45308	103.16424	3.53789	0.0384491	0.22378230	2.6869044	20	7 23.9	20.6
236607 2006 JP_{35}	15.8	X	113.88127	228.04466	142.53009	5.15406	0.1301424	0.18652191	3.0337712	20	1 14.3	20.0
236608 2006 JH_{39}	16.3	X	235.01903	204.17526	150.28661	2.44328	0.0778376	0.20673489	2.8326540	20	4 27.1	20.4
236609 2006 JK_{40}	16.3	X	300.86060	250.18482	58.31079	7.19459	0.0372875	0.21751088	2.7383065	20	5 25.1	19.8
236610 2006 JL_{42}	16.3	X	163.78603	260.39500	154.32337	3.20026	0.0675725	0.20877956	2.8141294	20	4 24.8	20.4
236611 2006 JQ_{42}	17.0	X	346.91599	133.27858	153.41201	4.02698	0.0705625	0.21730763	2.7400137	20	6 30.8	20.2
236612 2006 JL_{44}	15.3	X	181.04526	138.05518	63.19961	14.33496	0.1163396	0.17105511	3.2139961	20	11 8.4	20.3
236613 2006 JW_{44}	16.2	X	11.43826	232.14323	128.80552	3.41646	0.0184665	0.23966345	2.5668561	20	11 18.1	19.4
236614 2006 JA_{46}	16.2	X	104.71177	163.52728	44.92409	7.32540	0.1415993	0.22695006	2.6618435	20	9 14.0	20.3
236615 2006 JB_{48}	16.5	X	137.21063	7.87936	201.31870	3.74179	0.1208102	0.23427750	2.6060475	20	10 13.6	20.5
236616 Gray	16.6	X	250.63286	28.97493	34.05802	1.96118	0.0437534	0.22944480	2.6425136	20	8 21.0	20.0
236617 2006 JL_{63}	16.9	X	147.74261	72.08561	214.61309	0.66064	0.1726082	0.25635470	2.4541919	20	—	—
236618 2006 JX_{79}	16.0	X	72.96236	343.84518	126.70918	6.60237	0.0208496	0.19937967	2.9018979	20	3 11.7	20.0
236619 2006 KD	15.4	X	7.17415	210.34630	38.72400	13.93483	0.1515215	0.21357432	2.7718519	20	6 11.5	18.5
236620 2006 KZ	15.8	X	188.05118	63.58097	139.24600	4.81602	0.2107530	0.24175627	2.5520208	20	11 20.5	19.9
236621 2006 KX_{1}	16.1	X	146.19949	318.76151	252.00274	2.87571	0.1276691	0.23663728	2.5886934	20	10 23.9	20.2
236622 2006 KA_{2}	16.1	X	51.43982	31.84758	240.49145	10.37553	0.1520706	0.22585276	2.6704582	20	9 28.3	19.8
236623 2006 KF_{2}	16.1	X	355.90364	232.20150	33.91568	6.37812	0.2465999	0.21324459	2.7747085	20	6 15.2	18.3
236624 2006 KR_{6}	16.6	X	161.90548	337.31592	54.68341	2.77848	0.0756796	0.20194224	2.8772964	20	3 26.2	20.8
236625 2006 KT_{9}	15.9	X	78.44290	153.02613	80.90553	14.38226	0.1235080	0.22523584	2.6753322	20	9 19.9	20.0
236626 2006 KD_{11}	16.5	X	81.28311	325.75218	217.76487	2.88461	0.1007827	0.21709398	2.7418110	20	7 5.6	20.2
236627 2006 KU_{11}	16.1	X	305.53776	190.90911	131.23208	5.82758	0.0262543	0.21528381	2.7571589	20	6 21.2	19.7
236628 2006 KF_{15}	15.7	X	222.64625	303.24395	82.68311	12.31154	0.0124200	0.21320571	2.7750459	20	5 29.3	19.6
236629 2006 KB_{19}	16.1	X	191.00985	295.92620	126.06987	14.38124	0.0611379	0.21692631	2.7432237	20	6 5.5	20.3
236630 2006 KY_{19}	16.2	X	60.60845	270.88388	17.19261	5.14813	0.1949543	0.23134997	2.6279862	20	11 8.3	19.9
236631 2006 KY_{20}	16.4	X	50.60920	78.73435	161.57067	8.29504	0.1531809	0.22048191	2.7136515	20	8 17.6	19.9
236632 2006 KG_{21}	15.0	X	93.23222	259.98246	104.76931	16.61278	0.1512580	0.18182034	3.0858471	20	—	—
236633 2006 KS_{23}	16.8	X	136.36223	44.75008	171.91353	15.69206	0.1168314	0.23623238	2.5916505	20	10 25.4	20.9
236634 2006 KM_{32}	16.0	X	188.86437	330.98274	67.00021	7.36008	0.0512189	0.20877709	2.8141516	20	5 1.9	20.0
236635 2006 KS_{33}	16.5	X	45.06198	107.86326	198.86248	2.84502	0.1978901	0.22925617	2.6439630	20	11 15.6	20.1
236636 2006 KC_{35}	17.2	X	96.24087	56.34043	218.74537	1.96293	0.1627739	0.23474177	2.6026103	20	11 26.4	21.4
236637 2006 KK_{38}	16.0	X	340.41320	195.22126	93.90908	13.01873	0.1486096	0.21543747	2.7558477	20	6 19.6	19.0
236638 2006 KQ_{38}	15.9	X	99.96237	118.63914	101.61425	13.60970	0.1489187	0.22661584	2.6644600	20	9 28.0	20.3
236639 2006 KJ_{39}	16.0	X	96.89389	255.05389	6.41532	12.69986	0.1677733	0.23375386	2.6099380	20	11 6.5	20.3
236640 2006 KL_{39}	16.2	X	107.17316	307.17304	271.30383	10.50460	0.1445023	0.23213629	2.6220483	20	9 20.7	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236641 2006 KQ_{40}	15.9	X	198.78696	14.19333	29.20623	7.01406	0.0347182	0.21879834	2.7275541	20	5 18.1	19.8
236642 2006 KQ_{42}	16.2	X	178.88383	204.65074	184.28362	1.84864	0.0847503	0.20457168	2.8525880	20	4 8.8	20.6
236643 2006 KC_{46}	16.8	X	139.44451	292.56597	189.20490	3.45896	0.0192190	0.21565994	2.7539522	20	6 17.3	20.6
236644 2006 KM_{50}	16.4	X	188.62009	338.99143	84.08753	4.38028	0.0882144	0.21444605	2.7643351	20	6 1.0	20.4
236645 2006 KG_{51}	16.4	X	163.45345	232.36169	129.25463	3.36311	0.1657809	0.19281732	2.9673722	20	2 25.9	21.2
236646 2006 KW_{61}	16.3	X	112.58250	352.83511	137.26630	5.81338	0.0130763	0.21113160	2.7931905	20	5 24.9	20.1
236647 2006 KX_{61}	16.0	X	231.70914	208.09139	179.99404	6.47840	0.0690280	0.21318319	2.7752412	20	6 6.2	20.1
236648 2006 KE_{71}	16.1	X	249.59531	217.16073	156.07598	6.77278	0.0500097	0.21419189	2.7665214	20	6 11.2	20.0
236649 2006 KJ_{73}	15.2	X	10.65490	299.13075	134.73990	11.00519	0.0291190	0.17984290	3.1084259	20	—	—
236650 2006 KM_{76}	16.9	X	29.58058	69.36807	192.95108	4.65951	0.0525852	0.22285729	2.6943343	20	8 1.1	20.3
236651 2006 KK_{81}	16.6	X	185.58092	57.70026	118.15464	4.76036	0.1269688	0.23645818	2.5900004	20	10 22.4	20.5
236652 2006 KH_{85}	16.5	X	64.53515	98.95904	123.40180	7.17381	0.0929852	0.22061537	2.7125570	20	8 4.4	20.0
236653 2006 KN_{99}	16.5	X	177.80583	150.74976	157.93597	8.24433	0.2416671	0.25403907	2.4690831	20	1 3.9	20.7
236654 2006 KV_{99}	16.4	X	20.56765	60.38381	217.22512	8.24017	0.1440046	0.21929347	2.7234469	20	8 17.2	19.7
236655 2006 KL_{104}	16.7	X	119.33168	74.07453	46.67249	8.43965	0.1383222	0.21431115	2.7654949	20	6 2.9	20.8
236656 2006 KH_{113}	16.0	X	77.90769	115.91990	80.27544	12.54216	0.0955490	0.21825500	2.7320790	20	7 18.9	19.8
236657 2006 KU_{114}	15.8	X	34.15590	290.48432	331.31445	16.31439	0.3111116	0.21560732	2.7544003	20	9 13.1	19.1
236658 2006 KH_{116}	16.3	X	270.75174	157.94693	194.72652	3.27209	0.1099280	0.21423543	2.7661465	20	6 1.9	20.0
236659 2006 KZ_{116}	16.9	X	116.55248	335.66352	158.31224	4.09526	0.0431481	0.21347107	2.7727457	20	6 7.3	20.8
236660 2006 KQ_{117}	16.2	X	303.03773	257.52480	23.90661	4.61821	0.0255129	0.20949587	2.8077110	20	4 23.6	19.9
236661 2006 KW_{123}	15.5	X	289.52037	328.55148	200.60929	16.55206	0.1407757	0.18659652	3.0329624	20	—	—
236662 2006 LJ	15.5	X	180.73670	145.59836	54.37882	30.42465	0.0105019	0.23821895	2.5772221	20	11 21.9	19.0
236663 2006 LN_{2}	16.4	X	335.66076	121.06206	183.27350	10.54303	0.2654746	0.21225885	2.7832925	20	6 20.8	18.9
236664 2006 LB_{6}	15.4	X	158.57524	215.40803	106.01622	12.30687	0.1272605	0.17687418	3.1431112	20	1 4.8	20.2
236665 2006 MJ_{1}	16.1	X	356.95594	87.71921	161.57599	8.89129	0.1523093	0.21149727	2.7899700	20	5 26.3	19.2
236666 2006 MJ_{7}	15.9	X	217.52446	184.11999	124.52601	8.99632	0.1110939	0.18695216	3.0291148	20	2 12.9	20.6
236667 2006 OG_{16}	15.7	X	323.00896	228.98214	71.79056	7.58183	0.0872725	0.20467128	2.8516624	20	6 10.1	19.0
236668 2006 PJ	16.0	X	179.09300	124.36508	174.16551	9.51477	0.0526080	0.17479954	3.1679320	20	—	—
236669 2006 PD_{1}	15.3	X	142.70169	334.86225	9.02554	10.51670	0.2197899	0.17412949	3.1760536	20	1 27.0	20.6
236670 2006 PA_{23}	14.6	X	172.32550	323.26031	1.46170	16.58540	0.2171596	0.17641804	3.1485267	20	1 31.2	20.2
236671 2006 PQ_{32}	14.7	X	144.34678	329.74374	2.95993	28.10114	0.1891378	0.17239487	3.1973228	20	1 19.5	20.3
236672 2006 PK_{35}	15.3	X	196.05892	223.95447	118.39482	14.57840	0.1099267	0.18661622	3.0327489	20	3 6.1	20.2
236673 2006 QC_{3}	14.8	X	254.32733	85.39681	286.61163	1.65041	0.2599458	0.12424764	3.9775039	20	5 20.4	21.1
236674 2006 QA_{5}	15.9	X	193.68853	314.44467	355.91074	0.90977	0.1728841	0.17853767	3.1235572	20	1 24.9	21.0
236675 2006 QN_{26}	15.6	X	217.97247	297.07270	341.11133	11.35033	0.2258446	0.17807483	3.1289673	20	1 9.2	21.1
236676 2006 QN_{29}	15.1	X	145.54791	220.05991	110.70584	8.05737	0.1546850	0.17269829	3.1935768	20	1 6.0	20.0
236677 2006 QB_{33}	14.5	X	244.33628	192.04595	187.09163	8.96058	0.2095470	0.12360114	3.9913616	20	5 26.0	20.7
236678 2006 QY_{44}	14.7	X	344.97378	244.24027	131.22894	10.90931	0.1070582	0.14804640	3.5389205	20	10 19.9	19.3
236679 2006 QB_{60}	15.6	X	214.21670	299.33253	358.08197	15.81202	0.2709792	0.18152893	3.0891487	20	1 29.9	21.3
236680 2006 QH_{64}	15.6	X	18.47127	157.35197	187.42621	16.03034	0.3122637	0.21677867	2.7444691	20	12 14.1	19.3
236681 2006 QA_{100}	16.0	X	227.31105	104.49163	191.09932	6.49231	0.1235868	0.18314729	3.0709238	20	2 4.3	20.9
236682 2006 QU_{104}	14.6	X	254.68176	319.31700	52.50361	5.57257	0.3030757	0.12540909	3.9529079	20	5 16.7	20.9
236683 Hujingyao	16.2	X	18.15322	275.70951	46.10023	8.05586	0.2565435	0.21503154	2.7593150	20	11 3.8	19.3
236684 2006 QZ_{134}	16.1	X	193.22359	119.49496	183.55390	9.76078	0.1983381	0.17594465	3.1541717	20	1 15.3	21.6
236685 2006 RX_{30}	15.8	X	10.90865	94.42462	223.26569	6.78658	0.2292842	0.21278368	2.7787139	20	10 9.2	18.6
236686 2006 RG_{91}	16.0	X	252.88688	76.86650	197.55362	5.09100	0.2185489	0.17980275	3.1088886	20	1 28.4	21.2
236687 2006 SK_{42}	15.1	X	156.53244	252.98444	141.20156	13.32486	0.1244068	0.17730177	3.1380558	20	3 30.8	20.1
236688 2006 SF_{65}	15.9	X	249.18051	144.11905	115.06626	0.87367	0.1216560	0.17584140	3.1554064	20	1 16.6	20.8
236689 2006 ST_{79}	14.9	X	194.91636	75.07959	278.76227	15.09769	0.1333312	0.18025128	3.1037291	20	3 7.1	20.2
236690 2006 SC_{186}	16.0	X	265.72589	273.98244	25.30302	1.93024	0.2828153	0.18635851	3.0355443	20	3 3.5	20.9
236691 2006 SK_{240}	15.9	X	271.77893	208.36068	54.63200	2.13342	0.1090224	0.17964020	3.1107638	20	2 14.5	20.4
236692 2006 SS_{291}	14.7	X	145.17224	263.81785	117.89845	22.44676	0.1574731	0.17520554	3.1630361	20	3 9.7	20.0
236693 2006 UM_{22}	16.0	X	222.03815	90.85242	171.50544	5.49755	0.1244934	0.17278200	3.1925452	20	—	—
236694 2006 UB_{65}	15.7	X	201.52912	243.65128	53.33735	2.22524	0.1653022	0.17198771	3.2023670	20	1 17.1	21.0
236695 2006 WY_{178}	15.2	X	192.63383	249.28367	128.53421	27.02696	0.2544927	0.18010718	3.1053843	20	4 19.3	21.1
236696 2007 DE_{53}	17.1	X	256.59775	317.77869	331.48413	7.23397	0.0969641	0.29858878	2.2169389	20	2 17.3	20.0
236697 2007 DH_{56}	18.3	X	354.82233	101.15773	157.03407	2.53364	0.0578285	0.31623613	2.1336756	20	6 4.9	20.2
236698 2007 DF_{72}	18.3	X	213.80430	261.94206	156.27772	4.33596	0.1182215	0.32153247	2.1101799	20	6 22.6	21.0
236699 2007 EN_{9}	16.7	X	249.21938	217.96299	352.41020	22.95714	0.1788441	0.28010383	2.3134317	20	—	—
236700 2007 EO_{28}	17.0	X	322.76331	293.59750	335.20192	7.23281	0.1127226	0.30889212	2.1673622	20	4 12.9	19.1
236701 2007 EH_{38}	16.5	X	97.98405	73.79876	183.54455	6.18395	0.0949317	0.25788218	2.4444913	20	11 6.2	20.0
236702 2007 EG_{48}	17.4	X	319.98062	237.17065	21.54963	8.26400	0.1399074	0.30137327	2.2032624	20	3 25.3	19.5
236703 2007 EL_{48}	17.5	X	298.13081	154.69930	169.06035	6.38015	0.2069148	0.30848193	2.1692831	20	5 15.5	19.7
236704 2007 EM_{118}	18.1	X	22.41556	124.33828	118.96657	2.68015	0.1206506	0.31124335	2.1564331	20	7 8.5	19.8
236705 2007 ES_{124}	16.5	X	158.24995	14.71221	224.36948	3.95600	0.1791111	0.26479862	2.4017377	20	12 12.5	20.3
236706 2007 EL_{169}	17.9	X	340.75877	30.95122	138.09641	2.08460	0.1054825	0.29038502	2.2584990	20	—	—
236707 2007 EK_{181}	17.6	X	241.77047	319.12575	206.19229	4.56887	0.1801241	0.26959664	2.3731566	20	12 11.2	20.3
236708 2007 EA_{198}	17.5	X	259.50064	269.45334	343.76818	2.64564	0.1713897	0.28725071	2.2748983	20	—	—
236709 2007 EG_{198}	17.5	X	12.49723	182.75602	43.52126	7.28265	0.1083847	0.30544564	2.1836352	20	5 16.6	19.2
236710 2007 EC_{213}	14.9	X	250.65451	172.24065	234.78096	12.98423	0.1522873	0.24487990	2.5302724	20	7 11.2	18.6
236711 2007 FS	17.3	X	233.29232	209.91193	8.94232	4.95129	0.1781097	0.27638339	2.3341464	20	—	—
236712 2007 FO_{7}	17.3	X	270.68028	312.29261	343.98248	4.82300	0.1137221	0.30327397	2.1940472	20	3 11.4	20.2
236713 2007 FE_{15}	17.5	X	353.99932	187.39912	345.26035	4.92325	0.0807202	0.29520853	2.2338300	20	1 23.6	19.7
236714 2007 FJ_{22}	18.3	X	345.31230	240.19944	46.07890	1.80585	0.1480361	0.31287995	2.1489067	20	7 1.4	19.4
236715 2007 FL_{31}	18.2	X	151.22772	353.28756	101.17955	1.10999	0.1088149	0.31179078	2.1539082	20	6 1.9	20.9
236716 2007 FV_{42}	17.9	X	8.93724	181.65099	100.97853	9.83660	0.4732167	0.30724449	2.1751038	20	10 31.1	20.2
236717 2007 GL_{8}	18.3	X	107.85823	250.67882	200.30472	1.03983	0.1189000	0.30207517	2.1998481	20	4 4.9	20.8
236718 2007 GO_{8}	16.9	X	230.19397	166.50330	197.65311	2.83016	0.1902868	0.30495953	2.1859551	20	4 21.1	19.9
236719 2007 GP_{19}	17.9	X	329.85641	40.60071	231.72172	3.37755	0.1172412	0.30360616	2.1924465	20	5 5.3	19.7
236720 2007 GO_{20}	17.1	X	194.30452	80.82254	197.46573	1.52026	0.2173293	0.27460901	2.3441903	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236721 2007 GC_{22}	17.8	X	330.30318	36.79617	198.54327	2.74595	0.1112418	0.29710678	2.2243050	20	3 9.9	20.1
236722 2007 GE_{27}	16.9	X	52.59227	202.19137	182.56499	5.84707	0.0949091	0.26853500	2.3794073	20	—	—
236723 2007 GW_{45}	18.1	X	18.33277	57.54221	167.38186	2.85598	0.1113457	0.30526961	2.1844746	20	5 28.6	19.9
236724 2007 GL_{48}	17.5	X	242.92745	82.07686	175.04247	3.48207	0.0539121	0.28239454	2.3009041	20	—	—
236725 2007 GA_{65}	17.6	X	228.27654	311.21695	1.58052	2.81220	0.0560882	0.29165621	2.2519318	20	2 19.6	20.6
236726 2007 GP_{72}	17.5	X	182.17287	295.83723	13.14804	1.46692	0.2438277	0.28373472	2.2936531	20	1 5.0	21.2
236727 2007 HN_{3}	16.1	X	90.44684	171.45811	31.19600	8.89215	0.0591262	0.24216683	2.5491357	20	8 12.9	19.6
236728 Leandri	15.5	X	46.07809	138.88424	183.87236	10.14355	0.2095369	0.17699282	3.1417066	20	11 28.3	20.0
236729 2007 HZ_{18}	17.6	X	326.03069	144.65185	99.72057	4.76657	0.1479336	0.29849215	2.2174173	20	3 13.7	19.8
236730 2007 HQ_{27}	18.0	X	333.14901	155.72358	95.95739	1.42215	0.1278108	0.29993788	2.2102862	20	4 7.9	20.0
236731 2007 HZ_{32}	17.6	X	239.26528	316.73516	0.76507	2.70134	0.0535094	0.29592068	2.2302447	20	3 9.7	20.5
236732 2007 HK_{51}	17.5	X	219.43019	129.87987	184.43476	4.72872	0.1962414	0.28636934	2.2795635	20	2 7.7	21.3
236733 2007 HY_{76}	17.6	X	331.52346	153.17387	117.22309	4.30319	0.1549479	0.30336346	2.1936157	20	5 2.2	19.3
236734 2007 HZ_{88}	18.1	X	26.80558	42.59537	195.75437	4.22329	0.1763046	0.30875076	2.1680237	20	7 17.1	19.8
236735 2007 HB_{89}	16.5	X	140.30058	199.55543	197.37826	4.00383	0.0815254	0.21485551	2.7608218	20	3 5.8	20.5
236736 2007 JO_{9}	16.9	X	255.18617	190.90340	101.54324	7.73362	0.1379670	0.29106706	2.2549695	20	2 19.3	20.2
236737 2007 JC_{18}	16.3	X	327.26165	201.22613	169.92872	13.76633	0.1553379	0.24358499	2.5392319	20	10 1.9	18.6
236738 2007 JD_{23}	17.5	X	337.84055	150.04908	73.80303	1.43849	0.1630637	0.29792155	2.2202477	20	2 27.6	19.5
236739 2007 JZ_{24}	17.8	X	255.74957	256.03517	59.43262	4.50779	0.1388178	0.29491059	2.2353343	20	3 20.7	21.0
236740 2007 JL_{27}	17.3	X	70.55491	91.15425	117.51906	3.70646	0.0670628	0.31183585	2.1537007	20	7 27.9	19.7
236741 2007 JF_{29}	15.9	X	186.65340	298.41677	81.43658	14.94993	0.0502702	0.21961326	2.7208024	20	4 12.2	20.1
236742 2007 JF_{32}	17.1	X	213.38784	173.64563	106.82334	3.54248	0.1970625	0.27804858	2.3248178	20	—	—
236743 Zhejiangdaxue	17.7	X	349.93871	194.95878	46.25895	2.98694	0.1552314	0.30084915	2.2058206	20	4 21.4	19.0
236744 2007 JZ_{41}	15.9	X	359.77115	257.00513	4.39227	12.20332	0.2073878	0.23229710	2.6208381	20	6 18.3	18.4
236745 2007 KS_{8}	16.0	X	299.03904	58.50321	213.26876	13.32259	0.1450988	0.21861501	2.7290787	20	3 15.1	19.8
236746 Chareslindos	17.2	X	261.30160	351.03006	191.92630	6.86795	0.1084257	0.27014851	2.3699235	20	—	—
236747 2007 LR_{3}	17.5	X	322.29060	117.90797	129.68953	3.59259	0.1448421	0.29562762	2.2317183	20	3 11.8	19.9
236748 2007 LF_{4}	17.3	X	335.49836	126.11463	129.56166	4.12486	0.1206028	0.29947667	2.2125549	20	4 21.5	19.2
236749 2007 LF_{26}	15.9	X	294.92924	265.49657	134.63002	14.17359	0.0526401	0.23595487	2.5936821	20	9 25.1	19.3
236750 2007 LJ_{26}	17.4	X	229.82802	9.60569	211.61159	4.44861	0.1344564	0.26496613	2.4007253	20	—	—
236751 2007 LU_{32}	15.8	X	181.85426	278.92591	265.64096	14.12000	0.0692607	0.24511735	2.5286381	20	10 29.4	19.6
236752 2007 LL_{36}	15.2	X	34.78966	213.97934	127.06976	11.46284	0.1641424	0.17544997	3.1600977	20	11 30.7	19.6
236753 2007 MJ	16.1	X	185.33621	4.02193	89.14770	14.82593	0.0322770	0.22571107	2.6715756	20	7 8.3	19.9
236754 2007 MP_{1}	14.7	X	77.93009	26.41864	277.73058	15.18989	0.1442182	0.17065955	3.2189606	20	11 29.5	19.6
236755 2007 MY_{9}	17.1	X	281.97391	77.73863	152.78561	7.61662	0.1267841	0.28427710	2.2907347	20	—	—
236756 2007 MF_{21}	16.0	X	31.66227	96.65861	287.01917	4.04660	0.1641128	0.17372169	3.1810221	20	—	—
236757 2007 MB_{23}	16.6	X	108.69292	194.19182	127.69139	4.73480	0.1837498	0.25587100	2.4572839	20	—	—
236758 2007 NC_{3}	15.5	X	26.79768	292.43755	130.74546	22.17722	0.1263895	0.17836623	3.1255584	20	—	—
236759 2007 NE_{4}	16.0	X	48.31568	268.08746	18.86468	10.65336	0.1283173	0.23932948	2.5692434	20	10 15.8	19.4
236760 2007 NF_{4}	15.5	X	354.56052	265.84212	49.13544	15.32493	0.1728469	0.23190861	2.6237642	20	9 10.5	18.4
236761 2007 NN_{4}	15.1	X	43.74632	37.98840	207.41935	15.42746	0.2061224	0.23484975	2.6018124	20	8 20.5	18.5
236762 2007 NT_{5}	15.8	X	38.03711	256.47780	47.10782	14.57310	0.1479974	0.23982371	2.5657124	20	10 29.6	19.0
236763 2007 OD_{1}	15.7	X	304.04321	179.18745	128.67374	16.18397	0.1839368	0.21664261	2.7456181	20	5 13.2	19.5
236764 2007 OJ_{1}	15.1	X	66.02868	205.31529	178.47049	18.52472	0.2727431	0.17398972	3.1777544	20	—	—
236765 2007 OA_{2}	16.1	X	279.25484	154.38231	165.02175	10.18861	0.1773403	0.21402362	2.7679713	20	4 22.6	20.1
236766 2007 OB_{3}	16.0	X	67.22244	77.81225	233.18185	3.04225	0.1608138	0.24578206	2.5240770	20	12 13.6	19.7
236767 2007 OP_{5}	16.5	X	160.31001	240.24652	87.30197	5.61129	0.2430431	0.26571674	2.3962021	20	1 11.5	20.4
236768 2007 OJ_{6}	17.0	X	32.88153	341.28762	357.31576	3.20580	0.2081101	0.24230173	2.5481894	20	12 14.9	20.4
236769 2007 OR_{6}	16.5	X	44.42772	194.28181	123.23424	5.17762	0.1466173	0.24164721	2.5527886	20	11 24.7	20.0
236770 2007 ON_{7}	16.9	X	209.11777	128.16099	159.77641	7.03711	0.2219342	0.27074977	2.3664136	20	1 1.3	21.0
236771 2007 PU	16.3	X	126.43238	209.13144	106.35121	2.68329	0.1838558	0.25822949	2.4422990	20	—	—
236772 2007 PP_{2}	15.8	X	198.23548	188.31060	317.23822	8.18352	0.0172665	0.23693347	2.5865355	20	10 1.5	19.4
236773 2007 PD_{5}	17.3	X	221.56138	314.44346	323.93115	3.82110	0.2358370	0.27296597	2.3535876	20	—	—
236774 2007 PE_{5}	16.5	X	148.25749	183.88515	128.83635	2.01800	0.1993894	0.26156339	2.4215015	20	—	—
236775 2007 PG_{5}	14.7	X	121.37641	185.32897	141.18296	27.84956	0.0804813	0.18074681	3.0980538	20	—	—
236776 2007 PH_{10}	17.1	X	182.36103	168.88748	151.48108	1.63410	0.1893550	0.26941909	2.3741991	20	1 17.3	20.8
236777 2007 PL_{10}	16.1	X	269.64919	29.31598	325.09150	6.84547	0.1639586	0.21615782	2.7497218	20	5 23.9	20.1
236778 2007 PP_{10}	16.0	X	273.84321	339.80026	333.92640	5.06487	0.0449414	0.21049568	2.7988132	20	4 22.6	19.8
236779 2007 PX_{11}	16.5	X	74.10398	215.88549	64.87583	4.52250	0.1926448	0.23984916	2.5655309	20	11 15.8	20.4
236780 2007 PY_{11}	16.0	X	10.98077	331.09391	335.97269	9.19862	0.1226729	0.22931002	2.6435490	20	9 12.6	18.9
236781 2007 PG_{15}	16.6	X	148.41761	253.66566	38.41143	2.65229	0.1708022	0.25712121	2.4493120	20	—	—
236782 2007 PD_{16}	15.9	X	327.09666	189.31050	132.44822	10.23161	0.1375010	0.22187362	2.7022920	20	7 12.9	18.8
236783 2007 PD_{20}	16.9	X	158.12257	313.00545	350.75019	1.85253	0.2097195	0.26162087	2.4211468	20	—	—
236784 Livorno	16.3	X	73.58954	25.82240	267.37275	4.27671	0.1048757	0.24310387	2.5425810	20	11 21.0	19.8
236785 Hilendarski	17.1	X	179.49531	185.86793	128.98773	7.73178	0.1496233	0.26819723	2.3814046	20	1 5.7	20.7
236786 2007 PN_{32}	15.6	X	116.97058	0.19680	345.68320	12.19233	0.1310209	0.18192880	3.0846205	20	—	—
236787 2007 PG_{33}	15.6	X	85.12340	71.86472	275.69100	3.07632	0.1688494	0.17452041	3.1713091	20	—	—
236788 2007 PM_{35}	17.6	X	257.18080	144.69876	144.23415	3.27389	0.1709611	0.28130016	2.3068679	20	2 12.9	20.9
236789 2007 PY_{35}	15.2	X	123.21576	358.24538	341.34607	8.57616	0.0624947	0.17891698	3.1191410	20	—	—
236790 2007 PW_{38}	16.8	X	210.60384	136.95371	154.09401	1.48610	0.1816597	0.26919360	2.3755248	20	1 5.9	20.6
236791 2007 PU_{39}	16.9	X	202.77952	34.94906	242.04679	1.67000	0.2040289	0.26838968	2.3802661	20	—	—
236792 2007 PS_{40}	15.0	X	37.97269	56.78168	321.37394	10.47115	0.2350450	0.16979965	3.2298190	20	—	—
236793 2007 PW_{41}	17.0	X	90.45539	149.63452	123.12827	3.59763	0.1821629	0.24348056	2.5399579	20	11 21.8	21.0
236794 2007 PZ_{41}	17.5	X	266.98442	98.27957	168.59195	1.82150	0.1812901	0.28019085	2.3129527	20	1 24.6	20.9
236795 2007 PQ_{42}	16.0	X	163.73148	313.45483	139.22881	5.07340	0.0228488	0.21407550	2.7675241	20	6 10.4	19.8
236796 2007 PC_{44}	14.9	X	55.84726	214.47469	176.48468	15.95957	0.0921067	0.17435737	3.1732857	20	—	—
236797 2007 PE_{50}	15.5	X	6.34369	320.97515	138.94606	9.98906	0.0334040	0.18181300	3.0859302	20	—	—
236798 2007 PG_{50}	16.0	X	258.15514	174.24826	178.38174	13.64973	0.1157177	0.21373009	2.7705050	20	5 18.5	20.2
236799 2007 PO_{50}	15.3	X	321.13512	157.98210	349.07047	9.54296	0.0574522	0.17977990	3.1091520	20	—	—
236800 Broder	16.0	X	237.40099	212.88626	192.24853	13.59968	0.0554462	0.21810003	2.7333730	20	7 5.1	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236801 2007 QC_4	17.1	X	157.23599	101.51873	207.24616	2.14861	0.2095576	0.26209543	2.4182234	20	—	—
236802 2007 QT_7	15.5	X	119.34292	357.41030	344.21287	10.04439	0.0963835	0.17966236	3.1105080	20	—	—
236803 2007 QZ_7	15.5	X	108.87253	335.35191	350.72594	4.98338	0.1282441	0.17443186	3.1723822	20	—	—
236804 2007 QY_8	16.0	X	117.28188	205.14990	154.99657	2.09098	0.2571703	0.18283149	3.0744590	20	1 22.0	20.5
236805 2007 QP_{10}	16.3	X	203.53207	128.95916	243.54149	1.08180	0.0833989	0.20350440	2.8625529	20	4 13.8	20.5
236806 2007 RC_2	15.5	X	229.78672	249.20224	10.79104	9.10857	0.0348298	0.18107993	3.0942531	20	1 3.5	20.1
236807 2007 RH_9	17.1	X	155.93101	37.82630	97.81588	3.63401	0.0173214	0.22376159	2.6870702	20	7 28.2	20.8
236808 2007 RX_{12}	16.7	X	327.73645	327.79499	336.53514	4.00749	0.0784530	0.21714883	2.7413494	20	6 24.4	20.0
236809 2007 RW_{13}	15.7	X	53.62773	293.82173	289.97501	11.71032	0.1089579	0.21918819	2.7243189	20	7 22.9	19.1
236810 Rutten	15.5	X	137.75643	97.77872	223.15463	9.58338	0.0326391	0.18035040	3.1025918	20	—	—
236811 Natascharenate	15.7	X	147.73401	3.47613	281.89256	7.80652	0.0489046	0.17539723	3.1607312	20	—	—
236812 2007 RS_{19}	16.3	X	191.87968	205.25775	216.76735	3.73998	0.0538271	0.21229585	2.7829691	20	6 4.2	20.3
236813 2007 RX_{20}	15.3	X	66.56012	216.49758	155.02393	11.79764	0.1930548	0.17424815	3.1746116	20	—	—
236814 2007 RL_{21}	16.1	X	107.76362	157.08356	187.27791	1.16507	0.1659746	0.17917604	3.1161337	20	—	—
236815 2007 RY_{21}	16.9	X	134.73835	280.64287	56.91890	3.15218	0.2097099	0.25966290	2.4333026	20	—	—
236816 2007 RV_{25}	16.9	X	298.22435	337.84537	295.10808	1.22581	0.0024613	0.20629325	2.8366954	20	4 9.5	20.9
236817 2007 RC_{28}	14.9	X	70.50884	30.90254	2.86732	17.29562	0.2183273	0.17778052	3.1324196	20	1 1.4	19.0
236818 2007 RA_{33}	16.5	X	224.06927	205.68704	64.35424	6.41148	0.2078181	0.26816606	2.3815891	20	—	—
236819 2007 RC_{33}	14.6	X	208.92213	49.24004	329.97184	10.85850	0.2346102	0.12550312	3.9509334	20	4 20.3	21.3
236820 2007 RK_{33}	15.1	X	219.54019	169.52277	78.53591	8.17570	0.0482564	0.17862155	3.1225794	20	—	—
236821 2007 RU_{38}	15.1	X	177.00669	286.26904	349.48946	10.88233	0.0507389	0.17647611	3.1478361	20	—	—
236822 2007 RW_{38}	14.9	X	204.43765	224.60215	181.59846	2.07783	0.2634234	0.12725556	3.9145772	20	5 21.6	21.4
236823 2007 RV_{42}	15.3	X	246.82133	272.44932	317.80575	6.90359	0.0706424	0.18149685	3.0895127	20	—	—
236824 2007 RQ_{47}	15.8	X	51.59764	23.76252	186.49048	9.65867	0.1500984	0.21063338	2.7975933	20	7 6.7	19.5
236825 2007 RS_{52}	17.2	X	89.67985	45.91898	207.73188	11.11450	0.1553747	0.23185938	2.6241356	20	10 23.8	21.1
236826 2007 RS_{53}	15.8	X	345.85158	324.83794	343.79010	12.17956	0.1915204	0.22104642	2.7090294	20	8 3.6	18.4
236827 2007 RN_{59}	15.9	X	281.74916	307.62939	341.77016	8.88892	0.1326692	0.20523636	2.8464257	20	3 20.5	20.1
236828 2007 RO_{61}	16.2	X	243.14623	216.88482	157.84563	5.09958	0.0830522	0.21320513	2.7750508	20	6 1.0	20.2
236829 2007 RM_{63}	16.3	X	185.13635	40.38261	350.48546	5.90645	0.0823838	0.20361856	2.8614829	20	4 15.7	20.7
236830 2007 RL_{67}	15.8	X	31.50037	126.20522	331.27869	3.39914	0.0628847	0.18538076	3.0462084	20	1 3.5	19.6
236831 2007 RE_{68}	17.0	X	2.14328	272.73623	20.21503	3.69029	0.0928901	0.22239328	2.6980807	20	8 7.2	20.1
236832 2007 RA_{78}	16.0	X	199.28489	99.45406	237.19080	1.07417	0.0971925	0.19685551	2.9266515	20	2 26.2	20.5
236833 2007 RB_{78}	16.6	X	122.62044	230.27033	333.90598	5.20283	0.1557400	0.23161861	2.6259538	20	9 22.9	20.8
236834 2007 RH_{78}	16.4	X	224.14799	38.73120	307.12821	1.04718	0.0768578	0.20382859	2.8595168	20	4 2.9	20.5
236835 2007 RA_{79}	16.5	X	86.99326	236.75116	333.48831	3.81075	0.0073294	0.22197654	2.7014566	20	8 5.5	20.1
236836 2007 RE_{79}	15.6	X	319.59439	160.34496	336.07219	3.92785	0.0775553	0.17789382	3.1310894	20	—	—
236837 2007 RG_{79}	16.0	X	240.10856	198.44546	169.07570	12.41339	0.1104431	0.21053547	2.7984606	20	5 17.9	20.4
236838 2007 RG_{80}	16.2	X	140.12439	185.94094	169.40114	7.66611	0.0762058	0.18702223	3.0283581	20	1 17.9	20.7
236839 2007 RN_{91}	16.7	X	1.25465	229.87522	311.52703	0.61106	0.1164917	0.19326694	2.9627681	20	2 29.9	20.3
236840 2007 RX_{95}	16.6	X	11.97191	247.28444	46.15503	5.22198	0.1230200	0.22132023	2.7067946	20	8 29.1	19.7
236841 2007 RO_{96}	15.7	X	327.42303	332.86546	171.11419	9.36429	0.0497440	0.17495973	3.1659981	20	—	—
236842 2007 RF_{99}	16.1	X	95.75406	261.24736	335.65163	8.65886	0.1427699	0.23373702	2.6100634	20	10 4.7	20.1
236843 2007 RB_{112}	15.7	X	46.57114	78.46620	350.16632	3.13790	0.1378126	0.17605003	3.1529130	20	—	—
236844 2007 RD_{116}	15.7	X	113.81179	141.69042	211.59287	4.80595	0.1418511	0.17818269	3.1277045	20	—	—
236845 2007 RZ_{118}	15.8	X	18.05066	320.58280	336.18194	10.42084	0.1999067	0.22675056	2.6634046	20	9 19.7	18.6
236846 2007 RW_{129}	16.8	X	153.04102	253.61680	37.28384	2.84392	0.1930215	0.25383824	2.4703852	20	—	—
236847 2007 RJ_{136}	15.6	X	66.36676	231.86777	167.25891	16.15871	0.1094036	0.17793164	3.1306458	20	—	—
236848 2007 RV_{137}	16.6	X	23.79516	333.20545	332.89285	9.75293	0.1865599	0.23073129	2.6326819	20	10 9.7	19.7
236849 2007 RK_{138}	15.7	X	37.41238	14.32522	4.97978	5.32482	0.1340433	0.16788983	3.2542665	20	—	—
236850 2007 RV_{138}	15.6	X	203.82998	310.36316	338.91304	4.24079	0.1372073	0.18753745	3.0228090	20	1 8.6	20.5
236851 Chenchikwan	16.4	X	42.88262	345.88864	290.27874	1.07369	0.1727448	0.22875021	2.6478602	20	9 28.9	19.6
236852 2007 RV_{140}	14.9	X	180.21708	225.96860	188.28995	2.69549	0.2507956	0.12406806	3.9813411	20	5 14.2	21.5
236853 2007 RJ_{142}	15.3	X	357.18520	315.10635	27.59110	14.62530	0.1573418	0.22503293	2.6769402	20	10 14.9	18.1
236854 2007 RZ_{142}	15.3	X	74.62377	259.07018	170.52840	16.67773	0.0613294	0.18612943	3.0380344	20	1 25.6	19.6
236855 2007 RQ_{143}	15.7	X	76.24763	107.40357	266.30798	3.33747	0.1276607	0.17532066	3.1616514	20	—	—
236856 2007 RB_{157}	15.3	X	187.87341	250.02110	144.46218	3.66819	0.2523798	0.12454879	3.9710899	20	4 28.1	22.0
236857 2007 RM_{158}	16.7	X	277.29345	315.21862	30.39143	4.59633	0.0873391	0.21378646	2.7700180	20	6 3.6	20.4
236858 2007 RM_{180}	16.3	X	48.41920	308.70616	350.63087	4.55651	0.1587044	0.23242631	2.6198667	20	11 3.2	19.9
236859 2007 RD_{182}	16.4	X	343.93407	160.69700	148.63031	6.96864	0.0454599	0.22225580	2.6991933	20	7 28.3	19.8
236860 2007 RE_{187}	16.5	X	150.78353	37.94317	197.10799	8.55130	0.1178558	0.23840026	2.5759152	20	11 29.2	20.5
236861 2007 RC_{188}	14.8	X	173.73993	76.38023	344.51887	2.76521	0.1622273	0.12323879	3.9991812	20	5 14.8	21.1
236862 2007 RG_{189}	16.2	X	185.48777	222.94079	144.41272	2.31999	0.0148018	0.19608867	2.9342765	20	3 19.9	20.4
236863 2007 RD_{206}	16.1	X	125.82113	181.91704	149.98379	1.17244	0.1658908	0.17952752	3.1120652	20	—	—
236864 2007 RK_{209}	15.7	X	152.22576	249.59204	69.86001	3.08449	0.1498498	0.18097646	3.0954323	20	—	—
236865 2007 RA_{211}	16.5	X	236.76381	37.23900	290.05730	1.71426	0.0251468	0.20290290	2.8682074	20	3 29.1	20.6
236866 2007 RR_{216}	15.1	X	229.12359	284.94276	341.91556	9.24950	0.0497029	0.18461151	3.0546646	20	1 10.2	19.7
236867 2007 RK_{223}	15.3	X	119.46606	303.04755	28.63526	6.19684	0.1504211	0.17675016	3.1445813	20	—	—
236868 2007 RG_{226}	17.0	X	86.49638	194.66239	99.46699	1.98099	0.1150599	0.23929883	2.5694628	20	12 7.1	20.6
236869 2007 RQ_{227}	15.3	X	184.53264	331.86587	32.60668	9.98281	0.1196074	0.18978134	2.9989349	20	3 20.7	20.1
236870 2007 RB_{242}	16.4	X	19.59769	91.64890	185.27278	12.44713	0.1812724	0.22368638	2.6876726	20	8 21.1	19.4
236871 2007 RP_{242}	16.6	X	237.46498	206.69817	71.96117	2.93728	0.1989319	0.27227998	2.3575392	20	1 13.5	20.3
236872 2007 RR_{253}	16.0	X	94.27921	9.95068	161.91375	9.27675	0.0646074	0.21883990	2.7272087	20	7 1.6	19.9
236873 2007 RA_{262}	15.2	X	40.46275	74.54751	26.89333	16.06507	0.0355070	0.18330677	3.0691424	20	1 24.8	19.7
236874 2007 RT_{263}	17.0	X	210.27504	235.50580	68.00224	2.10751	0.1879579	0.27174137	2.3606533	20	1 21.0	20.9
236875 2007 RQ_{277}	14.8	X	6.38359	214.17086	127.16407	17.54083	0.1293417	0.15411696	3.4453692	20	10 16.1	19.4
236876 2007 RD_{280}	15.8	X	42.94948	229.24033	77.00833	14.26554	0.1340020	0.23610242	2.5926014	20	11 8.1	19.3
236877 2007 RH_{281}	14.6	X	91.16734	353.74071	298.63120	15.33038	0.0582536	0.15841753	3.3827292	20	11 15.4	19.8
236878 2007 RJ_{283}	12.6	X	311.20957	172.05155	257.52788	12.36619	0.0680908	0.08242456	5.2291562	20	10 17.3	19.4
236879 2007 RU_{285}	15.8	X	101.70409	168.22047	117.50390	16.09860	0.2707138	0.24339799	2.5405323	20	12 21.2	20.4
236880 2007 RQ_{286}	16.5	X	135.36404	68.36899	337.46809	5.27336	0.0806866	0.19891679	2.9063980	20	3 12.8	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236881 2007 RL_{288}	15.7	X	155.75935	180.73163	54.62365	15.67934	0.1417815	0.23928783	2.5695415	20	12 1.3	19.8
236882 2007 RN_{291}	16.4	X	53.90991	38.12346	194.88281	3.63469	0.0937650	0.21815103	2.7329470	20	8 2.3	19.9
236883 2007 RS_{301}	16.1	X	241.98847	223.25536	35.39440	2.34488	0.1558089	0.18785177	3.0194361	20	1 5.9	20.9
236884 2007 SD_{2}	14.7	X	159.21710	118.22585	305.64569	7.42571	0.1396146	0.12465584	3.9688159	20	5 3.3	20.9
236885 2007 SZ_{2}	16.1	X	57.49921	110.94679	180.04124	14.42118	0.1133837	0.23413401	2.6071122	20	11 1.8	19.8
236886 2007 SR_{3}	15.2	X	81.02445	52.56403	15.00845	14.96893	0.1014725	0.18214680	3.0821588	20	2 14.9	19.5
236887 2007 SP_{5}	16.4	X	282.35516	172.30668	192.19737	6.18298	0.1226207	0.21595654	2.7514300	20	6 30.9	20.0
236888 2007 SQ_{5}	15.3	X	86.73957	43.42929	8.45621	15.92017	0.0462199	0.18300988	3.0724609	20	1 25.7	19.8
236889 2007 SU_{5}	15.6	X	42.72811	35.08586	7.54770	4.79292	0.1503658	0.17143021	3.2093061	20	—	—
236890 2007 SY_{11}	15.5	X	148.94295	178.88004	132.89951	7.78593	0.2913448	0.17909747	3.1170451	20	—	—
236891 2007 SO_{12}	15.2	X	310.38482	262.97797	280.51229	8.89668	0.0509625	0.18149148	3.0895737	20	1 2.1	19.2
236892 2007 TJ_{7}	15.8	X	322.77644	227.62626	335.75672	5.62953	0.1455026	0.18786978	3.0192432	20	1 28.9	19.8
236893 2007 TT_{9}	15.7	X	49.32446	249.74831	177.43260	3.51945	0.1627786	0.17504802	3.1649335	20	—	—
236894 2007 TN_{14}	15.1	X	165.22365	5.24366	74.82223	3.89079	0.1557490	0.12537187	3.9536902	20	5 30.4	21.4
236895 2007 TZ_{16}	15.8	X	133.42121	160.53537	207.10193	15.98651	0.1159051	0.18196698	3.0841891	20	1 27.3	20.7
236896 2007 TH_{17}	15.9	X	119.17668	132.01914	222.18167	8.17933	0.0802010	0.17392011	3.1786022	20	—	—
236897 2007 TU_{17}	15.1	X	92.03882	36.50110	13.40265	11.07392	0.0826967	0.17965837	3.1105540	20	2 3.1	19.5
236898 2007 TF_{21}	15.5	X	168.72508	76.60630	283.82202	7.85445	0.0523400	0.18956468	3.0012196	20	2 19.8	20.1
236899 2007 TF_{30}	15.3	X	47.80578	312.05660	210.30547	15.54307	0.1400536	0.19163837	2.9795298	20	4 25.8	18.8
236900 2007 TB_{31}	16.2	X	276.05645	43.26957	213.24070	1.63499	0.1146545	0.18665806	3.0322957	20	2 8.5	20.7
236901 2007 TX_{31}	15.6	X	74.59961	195.77353	99.60199	14.27443	0.2653352	0.24026204	2.5625909	20	12 11.2	19.8
236902 2007 TK_{32}	17.3	X	228.86534	80.34144	184.62461	2.27199	0.2273017	0.26858281	2.3791249	20	—	—
236903 2007 TR_{54}	15.7	X	228.58427	161.42296	134.15983	1.65334	0.2097717	0.18959656	3.0008831	20	2 2.9	20.7
236904 2007 TF_{55}	15.4	X	324.11548	312.70446	28.62760	18.03771	0.1449375	0.21712362	2.7415616	20	8 14.8	18.8
236905 2007 TK_{65}	16.3	X	271.10246	225.26091	40.59806	6.25424	0.1250861	0.18825986	3.0150712	20	2 16.2	20.8
236906 2007 TN_{65}	15.8	X	213.88633	61.77115	213.24510	4.17050	0.0613741	0.17663240	3.1459789	20	1 2.5	20.5
236907 2007 TR_{67}	15.6	X	162.95580	223.12726	188.49754	13.80958	0.0843420	0.19677843	2.9274156	20	4 21.8	20.0
236908 2007 TO_{92}	16.3	X	225.26688	238.09662	142.47663	5.13564	0.0878347	0.21038480	2.7997966	20	5 18.9	20.5
236909 2007 TX_{95}	16.2	X	77.93644	206.38694	202.08456	1.35501	0.0786803	0.17978204	3.1091274	20	1 9.2	20.4
236910 2007 TP_{97}	15.6	X	84.35477	281.73696	101.07827	2.75691	0.1323735	0.17474119	3.1686372	20	—	—
236911 2007 TX_{99}	15.8	X	241.39992	145.95296	115.69306	2.97239	0.1591380	0.18005907	3.1059375	20	1 9.3	20.9
236912 2007 TE_{108}	16.0	X	53.16484	122.12200	358.50029	8.13744	0.0404970	0.19349892	2.9603997	20	2 29.6	20.0
236913 2007 TJ_{111}	15.0	X	223.40541	16.88354	258.48543	8.08768	0.0983181	0.18482250	3.0523394	20	1 9.8	19.8
236914 2007 TJ_{120}	16.0	X	150.00394	258.96160	107.80254	3.11686	0.0867411	0.18527727	3.0473426	20	2 14.2	20.5
236915 2007 TL_{124}	16.2	X	331.37618	113.94573	177.66606	4.38856	0.0833170	0.20847121	2.8169036	20	6 11.9	19.6
236916 2007 TT_{124}	16.2	X	333.29009	252.02571	62.90680	4.30783	0.0893851	0.21389875	2.7690484	20	7 18.4	19.5
236917 2007 TT_{137}	15.7	X	343.67362	315.23521	8.25316	13.01325	0.1507410	0.21768176	2.7368733	20	8 23.2	18.7
236918 2007 TM_{142}	16.0	X	185.03452	2.72208	329.73803	0.69994	0.1694702	0.18897066	3.0075057	20	2 10.6	21.1
236919 2007 TT_{144}	15.9	X	138.44698	210.03533	126.00807	1.78457	0.1652381	0.17938575	3.1137047	20	1 5.4	20.6
236920 2007 TO_{145}	16.7	X	357.24490	126.16847	186.98030	4.42793	0.2461120	0.22306765	2.6926402	20	9 7.4	19.0
236921 2007 TE_{146}	15.5	X	137.92886	339.86257	25.09063	9.41357	0.0810183	0.18198191	3.0840204	20	2 1.7	20.2
236922 2007 TA_{154}	15.1	X	220.04515	299.57482	348.13819	8.88613	0.0584562	0.18488014	3.0517050	20	1 25.3	19.7
236923 2007 TJ_{155}	15.4	X	152.04642	354.29071	359.10412	12.08929	0.0705480	0.18318555	3.0704963	20	2 2.6	20.1
236924 2007 TS_{160}	15.5	X	352.44987	315.90506	24.54496	11.89503	0.2237168	0.22229764	2.6988545	20	10 8.7	17.7
236925 2007 TH_{165}	14.8	X	219.22537	217.47029	177.26338	2.87023	0.2663040	0.12511105	3.9591832	20	5 19.2	21.4
236926 2007 TP_{189}	16.6	X	130.38554	220.39731	352.67826	11.69830	0.1384859	0.23390049	2.6088471	20	10 9.1	20.7
236927 2007 TC_{194}	15.5	X	133.62457	347.52686	2.18605	13.86303	0.0349455	0.17925252	3.1152473	20	1 3.2	20.2
236928 2007 TW_{194}	16.3	X	353.28148	71.81767	179.22952	1.88980	0.1107864	0.20366151	2.8610805	20	5 21.4	19.4
236929 2007 TN_{205}	16.3	X	41.62592	272.32319	317.32423	3.89707	0.1160238	0.21973956	2.7197598	20	7 15.2	19.5
236930 2007 TS_{207}	16.4	X	28.59104	219.04655	7.83940	4.83873	0.1009413	0.21204101	2.7851984	20	6 16.7	19.8
236931 2007 TF_{209}	16.7	X	29.06127	130.85667	186.85595	4.44908	0.1533730	0.23039279	2.6352600	20	11 2.7	19.9
236932 2007 TM_{210}	14.7	X	38.51297	84.99983	36.98745	18.65106	0.0445506	0.18067968	3.0988211	20	2 21.9	19.2
236933 2007 TF_{219}	15.6	X	143.46797	348.48311	337.16622	10.20573	0.0610821	0.18207613	3.0829564	20	—	—
236934 2007 TE_{233}	15.5	X	341.69331	72.42287	53.52521	9.20912	0.0435947	0.16845553	3.2469769	20	—	—
236935 2007 TE_{254}	15.5	X	138.95587	194.49189	203.03723	12.62889	0.0634498	0.18648368	3.0341857	20	3 3.8	20.0
236936 2007 TK_{263}	16.1	X	229.14685	156.50474	201.71930	1.21823	0.0763406	0.19798589	2.9155012	20	4 24.9	20.3
236937 2007 TF_{275}	15.6	X	41.83264	16.92874	83.99462	3.78314	0.0648931	0.18186791	3.0853090	20	1 23.2	19.5
236938 2007 TC_{281}	16.2	X	61.55964	268.17762	6.88981	14.47817	0.1549114	0.23087453	2.6315929	20	10 16.7	20.0
236939 2007 TQ_{287}	14.8	X	110.83417	270.65063	48.38442	15.93432	0.0934637	0.17058352	3.2199170	20	—	—
236940 2007 TK_{291}	15.9	X	307.09559	151.02941	202.27908	5.89128	0.0388996	0.21934085	2.7230547	20	8 1.9	19.5
236941 2007 TM_{297}	16.0	X	39.59229	262.98576	342.51466	10.82392	0.1605436	0.22334018	2.6904493	20	8 12.9	19.2
236942 2007 TD_{322}	15.5	X	159.86259	250.51174	58.88094	6.58497	0.1022597	0.17594212	3.1542020	20	—	—
236943 2007 TB_{332}	15.5	X	191.77118	268.84084	14.09782	5.09974	0.1175434	0.17388399	3.1790423	20	—	—
236944 2007 TA_{353}	16.0	X	187.41436	163.54268	144.43809	1.39970	0.1480895	0.18733557	3.0249803	20	1 15.1	20.8
236945 2007 TE_{353}	15.3	X	100.11497	204.77330	196.77598	15.42328	0.0411905	0.18174936	3.0866504	20	1 20.6	20.0
236946 2007 TL_{365}	16.6	X	74.31065	260.00028	22.94638	7.66212	0.1936152	0.23625870	2.5914580	20	11 16.2	20.7
236947 2007 TO_{374}	16.5	X	359.45166	292.34159	356.80052	4.70952	0.1404361	0.21847545	2.7302409	20	7 29.9	19.4
236948 2007 TP_{385}	16.0	X	263.17368	290.18708	17.31623	13.51604	0.1053374	0.19914062	2.9042197	20	3 29.1	20.3
236949 2007 TZ_{399}	16.2	X	13.46247	19.55449	254.74502	5.26930	0.1641836	0.21288483	2.7778337	20	8 2.4	19.2
236950 2007 TF_{411}	16.0	X	351.69743	359.97650	318.76893	2.92986	0.0765756	0.22130335	2.7069323	20	8 23.7	19.1
236951 2007 TD_{419}	15.9	X	27.80177	257.20614	121.29525	10.35800	0.1376819	0.23653974	2.5894049	20	—	—
236952 2007 UW_{9}	15.3	X	170.10691	158.08424	165.26093	12.35015	0.1225594	0.18303216	3.0722115	20	1 15.5	20.3
236953 2007 UF_{14}	15.1	X	193.61146	264.06454	37.86539	16.87554	0.0638593	0.17883654	3.1200763	20	1 15.8	20.1
236954 2007 UP_{21}	15.9	X	144.89151	172.59856	200.30118	4.77268	0.0585855	0.18369783	3.0647851	20	2 11.2	20.3
236955 2007 UG_{23}	15.3	X	80.37554	45.75897	53.17166	10.15183	0.0487045	0.18540720	3.0459187	20	3 14.9	19.6
236956 2007 UN_{26}	16.0	X	231.01655	237.41047	93.59658	3.39598	0.0744435	0.20060544	2.8900648	20	3 25.8	20.2
236957 2007 UF_{34}	15.5	X	91.76407	292.33885	72.49211	6.15628	0.1686341	0.17466745	3.1695290	20	—	—
236958 2007 UT_{38}	16.1	X	346.21040	227.66776	47.34518	2.19470	0.1854120	0.21100542	2.7943039	20	6 7.5	18.8
236959 2007 US_{59}	15.8	X	301.05652	175.22087	46.93656	3.65866	0.0600256	0.18152815	3.0891576	20	2 6.3	20.1
236960 2007 UX_{74}	16.0	X	274.82329	34.65701	219.17043	5.82598	0.0719642	0.18607166	3.0386631	20	2 7.7	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
236961 2007 UU_{98}	16.0	X	215.64045	272.03567	54.93893	1.82919	0.1598413	0.18872480	3.0101171	20	3 1.8	21.0
236962 2007 UD_{99}	15.8	X	146.94759	308.21909	22.92893	0.48357	0.0987638	0.17259208	3.1948868	20	1 2.6	20.4
236963 2007 UF_{105}	16.1	X	61.89484	69.03269	191.80672	4.99060	0.0809590	0.21416550	2.7667487	20	9 17.7	19.9
236964 2007 UX_{118}	15.4	X	332.89239	178.72431	38.90645	11.54962	0.1194982	0.18575733	3.0420901	20	3 9.9	19.4
236965 2007 VZ_{73}	16.1	X	235.50570	99.64392	176.06753	2.74693	0.0844967	0.18592999	3.0402065	20	1 22.9	20.6
236966 2007 VO_{89}	15.3	X	24.70606	43.39026	55.49845	19.58664	0.1553218	0.17115242	3.2127778	20	—	—
236967 2007 VG_{114}	16.0	X	229.36247	165.31852	232.50164	11.23619	0.0236859	0.20121054	2.8842676	20	6 19.7	20.2
236968 2007 VD_{180}	16.0	X	299.15203	102.56524	98.18656	3.17409	0.0690307	0.17697528	3.1419142	20	1 7.6	20.4
236969 2007 VU_{234}	15.8	X	174.50690	222.22493	75.62469	6.45507	0.1529317	0.17051591	3.2207680	20	—	—
236970 2007 XB_{3}	14.9	X	89.73803	342.00278	66.32860	10.30174	0.0864753	0.17537631	3.1609826	20	1 28.7	19.3
236971 2007 XC_{18}	16.2	X	3.93950	137.77513	168.32006	4.45963	0.0554087	0.21067651	2.7972115	20	8 22.6	19.6
236972 2008 AV_{3}	15.3	X	19.02696	66.67078	69.99390	14.95257	0.0374414	0.17083143	3.2168010	20	2 10.4	19.9
236973 2008 CK_{157}	14.5	X	172.01994	348.32733	187.69981	10.61836	0.0761472	0.12421809	3.9781347	20	9 24.1	20.5
236974 2008 EK_{137}	13.4	X	239.10501	148.33597	180.33255	19.25061	0.0841532	0.08293130	5.2078334	20	4 6.8	20.5
236975 2008 HG_{22}	16.4	X	246.74344	195.75830	157.48304	13.18209	0.2894479	0.23955377	2.5676395	20	4 20.6	20.9
236976 2008 JA_{15}	17.1	X	30.40362	13.90689	65.99533	27.41118	0.1017951	0.38443052	1.8732287	20	—	—
236977 2008 ND_{5}	15.0	X	2.77443	260.72268	118.69216	19.39434	0.1891747	0.17576401	3.1563325	20	12 6.3	19.0
236978 2008 OG_{3}	16.7	X	12.03594	221.97385	146.18475	5.30064	0.3166487	0.25907908	2.4369568	20	—	—
236979 2008 OQ_{7}	16.3	X	168.23596	48.07877	203.32257	6.98384	0.0572789	0.25961268	2.4336163	20	—	—
236980 2008 OT_{9}	16.6	X	215.55184	42.48373	141.75303	24.23290	0.0499232	0.35348351	1.9810250	20	—	—
236981 2008 OG_{12}	17.3	X	115.54295	209.77292	142.45455	6.85286	0.2213924	0.28375956	2.2935192	20	—	—
236982 2008 OY_{12}	16.0	X	211.75306	162.86111	145.68637	7.91586	0.0748397	0.21544985	2.7557422	20	2 3.4	20.0
236983 2008 OJ_{25}	16.4	X	140.91226	92.73049	348.43462	8.47765	0.2402753	0.21670593	2.7450832	20	5 11.3	21.1
236984 Astier	17.3	X	258.35388	353.39694	315.50932	3.75467	0.1281081	0.30280817	2.1962966	20	3 11.5	20.4
236985 2008 PA_{22}	15.7	X	185.50069	286.66404	94.33997	6.53258	0.0869552	0.21976842	2.7195217	20	4 8.2	19.9
236986 2008 QU_{9}	15.4	X	30.27393	341.69667	344.50703	19.49238	0.1350474	0.17149290	3.2085239	20	10 20.4	19.9
236987 Deustua	17.2	X	36.24600	193.70757	172.85583	1.34935	0.2056353	0.26371862	2.4082904	20	—	—
236988 Robberto	17.5	X	2.75044	53.98401	335.61161	1.96531	0.1988050	0.26045314	2.4283782	20	—	—
236989 2008 QW_{44}	17.1	X	81.70667	61.95853	347.39247	6.76198	0.1298137	0.28340006	2.2954584	20	—	—
236990 2008 QH_{46}	17.0	X	29.73045	224.42405	163.62575	7.02155	0.1425225	0.26798352	2.3826705	20	—	—
236991 2008 RM_{4}	17.3	X	219.96677	202.68611	237.92188	1.52872	0.1873037	0.23364634	2.6107386	20	7 19.9	21.5
236992 2008 RF_{9}	15.6	X	106.13226	217.08305	353.07785	15.29744	0.1638233	0.24259809	2.5461137	20	9 17.3	19.6
236993 2008 RC_{10}	16.1	X	297.87410	61.50606	47.73519	1.67328	0.1505834	0.17656661	3.1467603	20	12 1.5	19.8
236994 2008 RT_{10}	17.5	X	343.11570	26.71122	46.44880	1.91833	0.1612438	0.26264090	2.4148740	20	—	—
236995 2008 RW_{15}	15.6	X	70.01451	114.04643	195.28805	9.40757	0.2218440	0.17697242	3.1419480	20	12 8.2	20.6
236996 2008 RB_{23}	16.2	X	187.47273	60.20817	324.75974	8.38532	0.1783184	0.21545773	2.7556750	20	4 8.8	21.0
236997 2008 RE_{24}	15.5	X	283.32048	340.28292	313.88335	11.06558	0.1822275	0.22232599	2.6986251	20	3 17.0	19.6
236998 2008 RG_{35}	17.6	X	359.03833	62.92874	335.29143	2.19946	0.1821002	0.25889621	2.4381042	20	—	—
236999 2008 RQ_{39}	17.8	X	27.41416	142.04949	349.27706	4.77466	0.1042607	0.28722008	2.2750600	20	1 20.2	20.0
237000 2008 RM_{41}	17.5	X	325.94223	244.08920	109.97308	0.63127	0.1901810	0.24338405	2.5406293	20	8 29.5	19.3
237001 2008 RK_{46}	15.5	X	13.11759	34.08381	13.28775	10.83052	0.0480782	0.18093437	3.0959124	20	—	—
237002 2008 RY_{75}	17.2	X	260.44155	267.09611	161.14260	5.51018	0.2245841	0.24111014	2.5565781	20	8 12.8	20.6
237003 2008 RW_{80}	15.6	X	140.16218	91.06233	253.97791	8.80587	0.0044409	0.18365382	3.0652748	20	—	—
237004 2008 RT_{94}	16.0	X	198.56875	170.87075	174.52762	6.64042	0.0967408	0.21551341	2.7552003	20	3 5.3	20.2
237005 2008 RQ_{97}	16.7	X	199.95123	13.05532	49.10265	5.26576	0.1069152	0.21880687	2.7274832	20	6 10.7	20.8
237006 2008 RJ_{102}	16.8	X	148.36106	306.47143	149.28436	3.45252	0.1562907	0.21897179	2.7261135	20	6 3.6	21.1
237007 2008 RB_{104}	16.2	X	286.17484	274.82807	260.81249	4.56557	0.1191789	0.19059521	2.9903916	20	—	—
237008 2008 RL_{104}	15.4	X	8.82790	188.70419	176.43186	22.91522	0.1070799	0.17415903	3.1756944	20	11 16.9	19.8
237009 2008 RR_{107}	16.9	X	119.22014	359.18145	343.53747	6.80766	0.2085845	0.27660368	2.3329069	20	—	—
237010 2008 RK_{114}	17.2	X	225.18158	98.54917	11.65090	8.28050	0.1438632	0.23979641	2.5659071	20	9 9.7	20.8
237011 2008 RW_{118}	16.0	X	136.31311	115.35287	6.00165	14.90271	0.1426390	0.22246353	2.6975127	20	6 23.0	20.5
237012 2008 RT_{125}	17.0	X	286.54726	312.41649	184.23338	3.11575	0.0800165	0.26573845	2.3960716	20	—	—
237013 2008 RX_{140}	16.1	X	155.25720	282.41800	210.93395	4.78967	0.1347911	0.22153541	2.7050416	20	7 25.4	20.4
237014 2008 RU_{144}	17.1	X	304.60548	46.26516	132.08029	3.94935	0.0536379	0.28023071	2.3127333	20	—	—
237015 2008 SL_{2}	15.5	X	234.42746	212.10882	184.19089	14.19738	0.1841209	0.22748374	2.6576787	20	6 8.7	19.9
237016 2008 SX_{5}	15.7	X	226.68419	348.42133	37.36708	11.50975	0.1432832	0.22440496	2.6819319	20	5 19.2	20.0
237017 2008 SX_{8}	16.7	X	344.98367	71.48352	325.78004	5.64790	0.1238995	0.25768299	2.4457509	20	12 14.1	19.3
237018 2008 SA_{23}	17.4	X	208.75243	88.65484	338.05214	3.09882	0.1544320	0.23096689	2.6308912	20	6 23.8	21.5
237019 2008 SP_{25}	17.2	X	338.21353	32.34002	2.08408	2.34773	0.1934319	0.25420907	2.4679822	20	12 4.1	19.3
237020 2008 SK_{26}	16.3	X	192.42127	239.09149	168.65811	8.84548	0.2471941	0.22003559	2.7173198	20	5 15.8	21.2
237021 2008 SK_{27}	17.7	X	49.90519	41.07523	0.16887	2.06848	0.0791379	0.27192406	2.3595958	20	—	—
237022 2008 SA_{36}	16.9	X	224.52201	11.72359	32.63552	2.38985	0.0943221	0.22666255	2.6640939	20	6 15.9	20.8
237023 2008 SV_{38}	16.2	X	355.05111	56.18822	44.78625	3.59001	0.1298809	0.18433717	3.0576945	20	—	—
237024 2008 ST_{39}	16.5	X	207.65924	38.09667	38.88156	4.83855	0.0802352	0.22971352	2.6404524	20	7 11.9	20.3
237025 2008 SY_{39}	13.2	X	242.27727	26.31054	96.41959	3.01883	0.0446791	0.07920681	5.3698361	20	10 4.6	20.3
237026 2008 SY_{42}	16.4	X	214.08931	79.62751	12.45366	7.46345	0.1941496	0.23123586	2.6288507	20	7 31.2	20.7
237027 2008 SH_{62}	17.8	X	17.29452	91.89209	331.74022	3.79367	0.1923375	0.26993773	2.3711570	20	—	—
237028 2008 SP_{65}	16.4	X	183.77190	95.73056	338.87790	0.93494	0.0595850	0.22144026	2.7058165	20	6 10.7	20.1
237029 2008 SL_{67}	17.1	X	7.40016	294.51236	8.93226	1.73077	0.0314880	0.23638051	2.5905677	20	8 26.9	20.3
237030 2008 SB_{68}	15.5	X	130.26574	276.58516	178.29736	12.24750	0.1907403	0.21305975	2.7763131	20	5 20.3	20.1
237031 2008 ST_{71}	16.9	X	209.94057	149.89328	313.82189	3.30868	0.2120029	0.23449763	2.6044163	20	8 7.4	21.2
237032 2008 SZ_{72}	15.7	X	301.29805	178.73445	206.54153	7.48797	0.2046731	0.23698746	2.5861426	20	8 17.4	18.6
237033 2008 SO_{80}	16.3	X	257.16565	56.09241	359.31977	7.48829	0.1871948	0.23341799	2.6124411	20	7 30.4	19.9
237034 2008 SQ_{85}	17.4	X	64.32859	148.37215	319.83436	5.36378	0.0959769	0.29460619	2.2368737	20	2 18.2	19.5
237035 2008 SL_{91}	13.2	X	343.40059	172.73431	217.04253	6.75340	0.0685001	0.08175569	5.2576387	20	10 16.4	19.9
237036 2008 SY_{93}	17.2	X	256.07377	271.69768	320.84777	2.93332	0.1057639	0.28062243	2.3105807	20	—	—
237037 2008 SK_{104}	16.1	X	356.42113	249.17664	207.27049	0.45608	0.1983382	0.17939534	3.1135937	20	—	—
237038 2008 SN_{104}	16.6	X	282.45662	317.22646	28.25292	3.21300	0.1855263	0.22868046	2.6483986	20	5 26.2	20.1
237039 2008 SM_{106}	16.4	X	196.67579	299.89662	79.00452	1.67167	0.0865619	0.21355847	2.7719890	20	4 15.0	20.5
237040 2008 SK_{110}	16.8	X	1.91637	9.91537	100.71875	2.28879	0.2349416	0.18519995	3.0481907	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237041 2008 SO_{116}	17.3	X	24.11322	207.33278	351.84018	2.05753	0.1365491	0.30076426	2.2062356	20	4 27.2	18.9
237042 2008 SK_{117}	16.8	X	172.84428	171.64312	281.23024	0.89829	0.1202445	0.22280112	2.6947872	20	6 22.4	20.9
237043 2008 SM_{117}	17.6	X	34.07045	328.58047	206.11126	5.14423	0.0204394	0.29730936	2.2232945	20	3 31.5	20.2
237044 2008 SW_{120}	17.0	X	247.06134	351.73333	8.40371	5.86623	0.1052692	0.30765447	2.1731710	20	5 10.2	19.9
237045 2008 SE_{125}	16.8	X	160.92094	99.10883	280.43072	0.94608	0.1042152	0.20589530	2.8403494	20	3 9.9	21.2
237046 2008 SV_{125}	17.2	X	309.48577	39.56180	335.08744	1.29966	0.0789169	0.23945664	2.5683338	20	9 5.2	20.2
237047 2008 SA_{126}	16.4	X	55.78934	156.24253	281.69109	0.96842	0.0846703	0.19239277	2.9717359	20	1 13.2	20.0
237048 2008 SF_{126}	16.6	X	114.72536	309.75994	211.61040	12.45460	0.2000486	0.22242039	2.6978615	20	7 23.8	21.1
237049 2008 SU_{128}	17.2	X	211.95439	270.34500	354.72271	3.90106	0.0353138	0.27524284	2.3405901	20	—	—
237050 2008 SC_{130}	16.1	X	166.55438	183.64841	233.13908	5.25940	0.0836550	0.21346123	2.7728308	20	4 29.4	20.3
237051 2008 SE_{131}	16.2	X	181.44872	272.60733	218.04315	8.54970	0.1507163	0.23155307	2.6264493	20	8 14.9	20.6
237052 2008 SN_{135}	17.3	X	134.64020	260.58024	148.99878	6.61213	0.0755642	0.29662632	2.2267062	20	3 8.5	20.0
237053 2008 SD_{149}	14.5	X	83.21873	17.36117	84.38558	10.76104	0.0490524	0.12506301	3.9601971	20	3 27.7	20.2
237054 2008 SE_{150}	15.6	X	214.03596	251.13065	205.22013	12.98455	0.1094636	0.23285862	2.6166231	20	8 6.5	19.8
237055 2008 SN_{157}	17.3	X	63.73913	44.60340	354.00744	5.61361	0.1474910	0.27467340	2.3438239	20	—	—
237056 2008 SB_{158}	16.2	X	177.37087	80.73642	353.56862	7.03680	0.1236705	0.22408036	2.6845213	20	6 1.9	20.5
237057 2008 SW_{159}	17.8	X	154.24194	160.79287	214.22026	1.87063	0.1715612	0.29030365	2.2589211	20	2 23.8	21.0
237058 2008 SR_{162}	17.1	X	69.97677	295.29030	158.64532	1.65992	0.1209927	0.28632865	2.2797795	20	2 11.8	19.0
237059 2008 SK_{167}	15.8	X	158.63175	17.91894	36.63848	9.83136	0.1529031	0.21193843	2.7860970	20	4 22.7	20.1
237060 2008 ST_{181}	16.7	X	204.50554	53.10257	61.80262	4.29803	0.0746386	0.23473857	2.6026339	20	8 29.9	20.4
237061 2008 SU_{194}	16.1	X	99.69974	293.71097	205.93499	7.52802	0.2200927	0.21195238	2.7859748	20	6 16.3	20.4
237062 2008 SA_{195}	16.6	X	219.92938	257.07494	158.16049	0.62163	0.1622347	0.22482562	2.6785856	20	6 19.4	20.9
237063 2008 SX_{197}	16.6	X	246.85033	211.58733	181.91812	5.00263	0.1284896	0.22707796	2.6608439	20	6 23.7	20.4
237064 2008 SA_{202}	16.4	X	180.64457	106.29120	21.21706	13.21277	0.1109577	0.23133614	2.6280909	20	8 21.1	20.6
237065 2008 SW_{203}	16.4	X	240.08787	244.49337	143.28894	3.78140	0.1029685	0.22461399	2.6802677	20	6 11.7	20.2
237066 2008 SW_{204}	16.5	X	199.63025	255.52023	156.29536	5.27049	0.1443744	0.21906365	2.7253514	20	5 28.3	20.9
237067 2008 SR_{208}	16.7	X	249.45733	307.84705	92.54618	3.76873	0.0974414	0.22538925	2.6741181	20	7 10.6	20.2
237068 2008 SP_{210}	17.1	X	355.84213	54.74549	54.96919	7.72527	0.0606099	0.27144019	2.3623992	20	—	—
237069 2008 SA_{225}	16.4	X	146.21223	239.96884	210.36531	7.02772	0.1953482	0.21452169	2.7636852	20	5 28.0	21.0
237070 2008 SM_{246}	16.9	X	208.55077	158.73346	310.33872	2.57161	0.1714281	0.23693895	2.5864956	20	8 15.9	21.0
237071 2008 SP_{246}	17.5	X	280.20128	75.71257	353.69151	10.18460	0.1700252	0.24525875	2.5276661	20	9 22.6	20.2
237072 2008 SR_{251}	16.1	X	132.50818	134.01545	325.12934	1.56732	0.0138706	0.21777628	2.7360813	20	5 7.8	19.9
237073 2008 SE_{258}	17.7	X	177.64473	23.41955	337.74854	3.13619	0.1765549	0.29146030	2.2529408	20	2 29.7	21.2
237074 2008 SU_{259}	16.4	X	207.92733	206.55392	229.99178	9.16095	0.1137503	0.22816511	2.6523850	20	7 6.7	20.6
237075 2008 SM_{261}	16.5	X	153.51647	247.49728	175.31755	6.84993	0.0463059	0.21258228	2.7804687	20	4 22.2	20.4
237076 2008 SE_{264}	16.5	X	85.09705	345.89030	188.54111	4.81383	0.0581107	0.21968755	2.7201890	20	6 22.2	20.2
237077 2008 SG_{270}	16.3	X	14.66154	257.41832	197.34016	6.49562	0.1981691	0.18413754	3.0599042	20	—	—
237078 2008 SE_{281}	16.1	X	138.11218	248.01057	99.66010	2.94349	0.0937589	0.18836672	3.0139308	20	1 9.7	20.6
237079 2008 SH_{284}	15.8	X	233.25899	87.68525	355.84405	21.80014	0.0806489	0.23351773	2.6116971	20	8 27.5	19.6
237080 2008 SL_{287}	16.0	X	204.84662	252.32959	179.12434	13.54604	0.0847623	0.22651814	2.6652261	20	6 29.3	20.3
237081 2008 SM_{290}	16.5	X	208.52565	323.25421	151.42419	3.92484	0.1977527	0.23515008	2.5995966	20	8 21.1	20.5
237082 2008 SB_{298}	17.5	X	95.76073	189.26630	201.28677	1.32985	0.0455535	0.28248998	2.3003858	20	—	—
237083 2008 SN_{299}	16.8	X	211.02233	281.00847	162.09657	4.14929	0.1201027	0.22988007	2.6391769	20	7 19.1	20.9
237084 2008 SQ_{300}	15.5	X	1.99715	131.59745	321.23981	14.97445	0.1661714	0.18221796	3.0813564	20	—	—
237085 2008 SK_{301}	16.3	X	235.32735	242.90043	131.32671	4.33195	0.1662408	0.22427505	2.6829675	20	5 14.5	20.4
237086 2008 SJ_{309}	16.9	X	266.64287	307.87898	138.95591	0.11311	0.0367551	0.24092047	2.5579197	20	10 16.3	20.2
237087 2008 TJ_{1}	17.2	X	347.02544	161.13128	22.81487	6.40204	0.0508854	0.29101925	2.2552165	20	2 4.1	19.7
237088 2008 TW_{2}	16.2	X	106.69333	302.18622	39.72783	10.43828	0.2962398	0.27312273	2.3526870	20	—	—
237089 2008 TB_{6}	17.7	X	227.09850	329.28909	13.67146	5.23550	0.1463057	0.30083816	2.2058743	20	3 24.1	20.7
237090 2008 TR_{17}	16.6	X	208.78060	184.91300	226.46017	4.21451	0.1110106	0.22120246	2.7077553	20	6 6.6	20.7
237091 2008 TO_{18}	16.2	X	177.48990	180.53925	34.35953	6.56347	0.1591651	0.25199794	2.4823979	20	11 28.6	20.0
237092 2008 TQ_{21}	16.5	X	112.15504	36.73585	29.24682	6.53384	0.0642957	0.20219027	2.8749429	20	3 11.5	20.6
237093 2008 TL_{24}	16.8	X	234.44806	103.24138	303.92204	2.14844	0.1619325	0.22920158	2.6443827	20	6 24.1	20.7
237094 2008 TA_{26}	17.3	X	200.19103	246.49288	96.93097	4.35874	0.1339077	0.29399404	2.2399777	20	2 29.0	20.6
237095 2008 TF_{26}	15.7	X	261.52581	234.88282	171.70849	13.12514	0.2471828	0.23042353	2.6350256	20	7 11.4	19.7
237096 2008 TJ_{44}	16.6	X	208.51687	94.75081	12.14988	1.21956	0.0550512	0.23329987	2.6133228	20	8 24.1	20.2
237097 2008 TE_{45}	16.0	X	170.01625	199.22512	221.34334	4.87829	0.0552128	0.21448412	2.7640079	20	5 7.6	20.0
237098 2008 TK_{46}	15.2	X	22.41991	224.51100	202.54590	16.85388	0.1495354	0.18027961	3.1034040	20	—	—
237099 2008 TM_{56}	16.4	X	127.16824	76.91911	28.41975	3.38189	0.0463256	0.21728549	2.7401998	20	5 13.1	20.1
237100 2008 TE_{73}	15.8	X	142.59673	106.07889	27.63976	13.62722	0.1439712	0.22179935	2.7028952	20	7 18.4	20.3
237101 2008 TN_{81}	17.4	X	311.67284	118.93859	43.85145	1.26591	0.1345059	0.27509207	2.3414452	20	—	—
237102 2008 TH_{85}	16.2	X	17.30880	4.83292	195.31691	7.84689	0.1501800	0.21784177	2.7355329	20	4 23.2	18.9
237103 2008 TJ_{92}	17.2	X	237.05102	240.24199	161.36255	2.21518	0.1066076	0.23023492	2.6364645	20	6 25.7	21.0
237104 2008 TX_{98}	16.9	X	169.53509	315.53130	154.28719	0.81740	0.0554060	0.22863255	2.6487685	20	7 10.8	20.5
237105 2008 TL_{101}	17.5	X	175.13916	213.68507	208.58475	1.47196	0.1807407	0.21713739	2.7414457	20	5 17.7	22.1
237106 2008 TX_{102}	17.6	X	275.83515	241.06041	182.79112	1.63974	0.0733995	0.24286810	2.5442263	20	9 23.1	20.6
237107 2008 TU_{103}	18.1	X	342.48232	211.22499	34.10396	4.54662	0.1346989	0.30469029	2.1872427	20	4 14.2	19.7
237108 2008 TY_{103}	17.2	X	275.98773	155.72316	38.51302	5.39414	0.1563627	0.27334970	2.3513845	20	—	—
237109 2008 TX_{120}	15.9	X	154.04583	346.53245	110.52399	6.31030	0.1312148	0.22010479	2.7167503	20	6 9.6	20.2
237110 2008 TR_{123}	16.0	X	134.70512	63.52813	13.24998	8.22000	0.1963249	0.21532744	2.7567865	20	4 28.4	20.5
237111 2008 TO_{127}	17.4	X	99.84312	41.28988	345.95693	6.49723	0.1276730	0.27914343	2.3187350	20	—	—
237112 2008 TB_{133}	15.9	X	29.60065	93.99770	322.29875	4.49422	0.1743927	0.18140265	3.0905822	20	—	—
237113 2008 TM_{154}	16.7	X	281.55259	167.20798	353.27550	12.73093	0.0854355	0.26557706	2.3970422	20	—	—
237114 2008 TY_{157}	15.5	X	94.89596	181.31351	344.58090	13.91299	0.0448560	0.22219055	2.6997217	20	6 22.7	19.4
237115 2008 TB_{164}	16.2	X	215.99402	275.74611	110.21656	11.67354	0.1799523	0.21996528	2.7178989	20	5 12.6	20.8
237116 2008 TR_{164}	16.3	X	37.49604	344.85360	112.00859	4.56984	0.1992794	0.18793517	3.0185428	20	1 16.0	19.3
237117 2008 TV_{170}	16.6	X	14.94242	154.01744	76.00197	3.73766	0.0838738	0.21478521	2.7614242	20	5 28.3	19.9
237118 2008 TE_{172}	15.5	X	266.74022	241.54209	145.44200	15.23994	0.1725399	0.22976154	2.6400845	20	7 3.7	19.3
237119 2008 TN_{177}	15.6	X	32.66572	292.75781	116.56427	16.34201	0.1562167	0.18059387	3.0998026	20	—	—
237120 2008 TC_{178}	15.7	X	208.96308	278.95544	164.07515	22.04572	0.0526656	0.22792241	2.6542675	20	7 21.5	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237121 2008 TH_{186}	16.5	X	155.54534	334.59958	144.35901	5.39745	0.1189950	0.22024190	2.7156227	20	7 7.8	20.8
237122 2008 TJ_{186}	16.1	X	190.65772	304.22037	154.07405	5.57380	0.0848932	0.22497066	2.6774341	20	7 18.6	20.2
237123 2008 TG_{189}	16.8	X	266.87670	180.36829	355.06251	6.19813	0.0532044	0.26474985	2.4020326	20	—	—
237124 2008 TC_{190}	15.9	X	117.62965	139.22469	116.46371	14.73914	0.1100958	0.22873627	2.6479678	20	11 23.5	20.2
237125 2008 UA_{2}	15.6	X	267.30876	338.06803	48.84606	15.08250	0.1510022	0.22801484	2.6535502	20	7 8.3	19.5
237126 2008 UE_{4}	16.5	X	259.21784	237.43894	146.14978	7.95535	0.2636686	0.22810837	2.6528248	20	6 8.9	20.7
237127 2008 UH_{4}	15.5	X	250.57075	259.83539	132.36943	11.14337	0.1641939	0.22673688	2.6635117	20	6 22.5	19.5
237128 2008 UG_{5}	15.0	X	64.67474	268.08004	50.02046	19.10516	0.1341347	0.17215613	3.2002781	20	11 29.0	19.7
237129 2008 UD_{6}	16.3	X	25.58835	336.90353	82.41915	0.85727	0.2125280	0.17913911	3.1165620	20	—	—
237130 2008 UZ_{8}	17.7	X	319.69881	299.03119	272.23470	0.54578	0.0988264	0.29255322	2.2473262	20	1 22.6	20.0
237131 2008 UY_{15}	17.5	X	16.47441	204.62204	350.43830	1.58533	0.1393311	0.29916567	2.2140880	20	4 3.3	18.9
237132 2008 UQ_{26}	16.8	X	109.41720	244.31006	188.41678	1.78224	0.0468767	0.20293213	2.8679319	20	3 11.3	20.9
237133 2008 UG_{27}	17.5	X	197.33260	146.06090	206.92289	4.88473	0.1171890	0.29287822	2.2456634	20	3 5.9	20.7
237134 2008 US_{27}	16.8	X	354.40974	231.05452	58.44386	3.02547	0.0522894	0.22826207	2.6516338	20	7 18.5	20.1
237135 2008 UP_{28}	16.3	X	186.63743	276.81376	167.57739	2.17691	0.0617709	0.22258929	2.6964966	20	6 26.9	20.2
237136 2008 UD_{30}	16.3	X	334.39926	45.21183	90.61909	3.17779	0.0966355	0.18274644	3.0754129	20	—	—
237137 2008 UX_{30}	16.2	X	109.00555	22.47925	72.23379	4.18860	0.1056154	0.20622981	2.8372771	20	4 17.4	20.2
237138 2008 UT_{41}	16.7	X	284.36730	318.68503	234.24938	3.08626	0.0960252	0.26966737	2.3727416	20	—	—
237139 2008 UM_{56}	17.4	X	297.96790	343.87082	200.89117	4.61497	0.0851867	0.27499610	2.3419900	20	—	—
237140 2008 UY_{60}	16.9	X	135.87488	327.64043	18.09728	7.00081	0.1344044	0.27665178	2.3326365	20	—	—
237141 2008 UV_{61}	16.3	X	84.30488	55.49287	347.16215	2.89663	0.2281378	0.18996305	2.9970222	20	1 30.8	20.2
237142 2008 UU_{62}	16.3	X	230.08802	351.97967	339.18877	2.26605	0.0803586	0.20930808	2.8093902	20	3 21.7	20.6
237143 2008 UU_{66}	16.5	X	268.44588	172.68273	290.33325	2.93330	0.0350353	0.24612894	2.5217049	20	11 9.8	19.6
237144 2008 UN_{67}	16.4	X	253.17201	102.66989	310.22854	2.49414	0.1296808	0.23040727	2.6351495	20	7 27.8	20.0
237145 2008 UF_{72}	15.6	X	25.55463	26.97645	39.31016	10.68915	0.0922516	0.17716673	3.1396502	20	—	—
237146 2008 US_{72}	16.5	X	169.60899	124.11325	305.92884	4.79610	0.0586755	0.21276285	2.7788953	20	5 18.1	20.7
237147 2008 UT_{73}	16.7	X	255.30785	222.57425	6.01782	6.17924	0.1905833	0.27083215	2.3659337	20	—	—
237148 2008 UX_{73}	16.0	X	344.75220	340.00559	273.74860	7.04548	0.0178882	0.21361367	2.7715115	20	5 13.8	19.7
237149 2008 UH_{77}	15.2	X	305.10314	285.83787	242.68922	10.17434	0.0836500	0.17990756	3.1076811	20	—	—
237150 2008 UB_{86}	16.1	X	71.42886	286.71278	131.27045	4.52443	0.1586066	0.19275654	2.9679959	20	1 19.6	19.7
237151 2008 UE_{91}	17.1	X	151.35906	101.37101	39.13121	4.60414	0.0919190	0.22666381	2.6640840	20	8 1.8	21.1
237152 2008 UQ_{93}	16.6	X	279.95066	274.74049	127.95263	5.58013	0.2342312	0.23570122	2.5955426	20	8 3.3	19.6
237153 2008 UV_{95}	16.0	X	163.95262	298.50896	116.41817	6.36179	0.0947137	0.21442781	2.7644918	20	4 27.9	20.2
237154 2008 UR_{96}	15.8	X	242.10422	255.01676	167.56443	12.71939	0.1511850	0.22920760	2.6443364	20	7 22.4	19.8
237155 2008 UG_{98}	15.8	X	252.60610	293.05707	75.40185	7.35288	0.0554675	0.22110164	2.7085783	20	6 7.2	19.5
237156 2008 UD_{99}	15.8	X	55.39560	185.30752	85.00048	14.61535	0.0494918	0.23752558	2.5822351	20	9 29.9	19.5
237157 2008 UJ_{103}	15.0	X	104.54634	61.01544	217.38008	24.82958	0.2309376	0.17527834	3.1621603	20	12 1.6	20.5
237158 2008 UO_{105}	16.2	X	47.42708	313.16419	51.77969	1.05639	0.1401962	0.17152921	3.2080711	20	—	—
237159 2008 UO_{112}	17.1	X	317.75264	57.45771	10.47861	6.45456	0.0870515	0.25095824	2.4892494	20	12 4.9	20.0
237160 2008 UP_{114}	16.8	X	342.16918	323.14175	4.64116	4.16047	0.0640083	0.23474744	2.6025683	20	8 24.2	19.8
237161 2008 UD_{119}	15.5	X	71.54637	23.52285	25.56590	10.28589	0.0970949	0.18758661	3.0222808	20	1 2.9	19.5
237162 2008 US_{125}	16.2	X	275.51940	15.71035	29.85262	10.00115	0.2056124	0.23333315	2.6130743	20	8 9.9	19.6
237163 2008 US_{126}	16.2	X	245.63528	14.62272	18.60765	5.58788	0.0854093	0.22257918	2.6965782	20	6 27.8	20.1
237164 Keelung	16.9	X	336.68246	112.81742	107.86055	4.05059	0.0778923	0.29180323	2.2511753	20	3 7.4	19.2
237165 2008 UK_{129}	16.7	X	10.28902	165.50560	307.11909	1.39462	0.1454140	0.18652162	3.0337743	20	—	—
237166 2008 UH_{137}	17.2	X	15.32411	31.71741	219.92808	1.80051	0.0350491	0.22296653	2.6934542	20	6 25.5	20.6
237167 2008 UK_{138}	15.9	X	161.12630	269.50750	217.89680	5.55907	0.0716694	0.22537069	2.6742649	20	7 22.8	19.9
237168 2008 UV_{140}	16.1	X	30.18913	218.71374	202.76534	0.63498	0.1716773	0.17978701	3.1090701	20	—	—
237169 2008 UZ_{146}	16.5	X	172.90399	353.39416	1.06050	1.53414	0.0959166	0.19977872	2.8980324	20	2 21.8	20.8
237170 2008 UP_{148}	15.4	X	343.87110	56.26359	47.02543	6.00719	0.1171189	0.17560403	3.1582493	20	—	—
237171 2008 UW_{148}	16.5	X	192.72338	125.26286	300.65737	0.87012	0.0824921	0.21794895	2.7346360	20	6 9.0	20.7
237172 2008 UN_{150}	17.1	X	118.93309	293.91230	176.30522	3.51660	0.0474378	0.21483282	2.7610163	20	5 10.9	21.0
237173 2008 UT_{152}	17.5	X	283.96840	142.68551	53.96141	3.33571	0.0851068	0.27475303	2.3433710	20	—	—
237174 2008 UB_{155}	16.5	X	84.46722	285.66042	196.20310	3.25835	0.0451601	0.20927821	2.8096575	20	4 10.6	20.4
237175 2008 UZ_{155}	16.0	X	19.42338	104.12190	225.89261	3.61443	0.0934394	0.24266878	2.5456192	20	10 28.4	18.8
237176 2008 UX_{160}	15.7	X	218.47884	86.01904	345.20642	20.82776	0.1053783	0.22906204	2.6454565	20	7 20.7	19.9
237177 2008 UZ_{160}	16.5	X	79.59959	19.65072	48.51695	2.43949	0.0696666	0.19435337	2.9517167	20	2 1.9	20.3
237178 2008 UJ_{174}	15.5	X	345.27348	61.93071	45.58666	13.58668	0.0854014	0.17826411	3.1267521	20	—	—
237179 2008 UB_{180}	16.3	X	350.45547	30.71074	300.07376	2.38305	0.2067701	0.23935541	2.5690578	20	9 18.7	18.3
237180 2008 UT_{184}	16.9	X	166.41547	160.64873	281.26951	0.73797	0.0591773	0.21486719	2.7607218	20	5 31.0	20.7
237181 2008 UX_{184}	17.0	X	74.23991	20.65419	265.39378	1.03152	0.1277397	0.24480376	2.5307971	20	11 15.9	20.7
237182 2008 UZ_{194}	16.2	X	74.69663	15.91961	36.37680	1.71220	0.1035950	0.18721336	3.0262966	20	1 11.7	20.2
237183 2008 UG_{195}	16.6	X	255.06899	286.74152	119.69544	2.66793	0.1003196	0.22748347	2.6576808	20	7 25.6	20.2
237184 2008 UM_{198}	16.5	X	223.30924	258.01661	167.92569	3.23461	0.0657009	0.22823984	2.6518060	20	7 15.9	20.2
237185 2008 UZ_{200}	16.9	X	253.45777	285.55185	64.64252	7.46553	0.2135612	0.30551472	2.1833061	20	4 25.4	20.0
237186 2008 UE_{209}	16.8	X	31.33753	107.33645	237.35134	4.81108	0.1290132	0.25202925	2.4821922	20	12 11.9	19.9
237187 Zhonglihe	16.1	X	235.33320	256.34895	114.56264	4.55276	0.1036327	0.21904646	2.7254940	20	5 16.1	20.1
237188 2008 UE_{220}	16.6	X	181.57683	269.58494	253.75853	2.95253	0.1417468	0.23753237	2.5821860	20	9 28.2	20.5
237189 2008 UY_{220}	15.7	X	82.66585	307.21030	252.75306	11.15940	0.0910816	0.22415668	2.6839119	20	7 25.5	19.5
237190 2008 UU_{223}	16.0	X	143.96254	306.70301	96.45580	3.30390	0.0718906	0.20344552	2.8631051	20	3 20.4	20.2
237191 2008 UP_{241}	16.0	X	136.11564	284.30697	163.58547	13.62530	0.2113975	0.21241095	2.7819637	20	5 19.5	20.8
237192 2008 UA_{242}	16.6	X	292.01219	221.04403	166.85816	13.91888	0.2129759	0.23814828	2.5777320	20	8 3.5	19.6
237193 2008 UX_{247}	16.6	X	284.71316	14.94648	62.46258	1.48756	0.0883901	0.24087116	2.5582689	20	10 23.6	19.5
237194 2008 UM_{250}	16.5	X	146.81497	13.17694	358.94418	1.58970	0.1075331	0.19907975	2.9048117	20	2 17.3	20.9
237195 2008 UK_{252}	17.6	X	351.75461	32.13311	223.64848	3.04665	0.1581676	0.30614291	2.1803184	20	5 21.2	18.7
237196 2008 UR_{253}	16.7	X	352.51508	266.13457	198.26601	1.49389	0.1158880	0.17966495	3.1104780	20	—	—
237197 2008 UV_{256}	15.9	X	67.62195	104.71808	64.97742	7.43732	0.0264072	0.21406333	2.7676289	20	5 18.5	19.6
237198 2008 UH_{258}	16.4	X	130.82063	160.25995	265.16897	1.01530	0.0508525	0.20373495	2.8603929	20	3 28.4	20.5
237199 2008 UG_{263}	16.3	X	185.87946	60.51641	20.52387	2.53321	0.0638260	0.21759399	2.7376092	20	6 21.6	20.2
237200 2008 US_{265}	17.0	X	107.52858	169.34249	318.62967	3.68073	0.1151884	0.21325328	2.7746331	20	5 27.3	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237201 2008 UP_{269}	17.5	X	225.69320	78.35629	124.46630	2.29483	0.1306353	0.25984472	2.4321673	20	—	—
237202 2008 UP_{275}	16.0	X	95.23239	40.34763	33.04423	6.20884	0.0642290	0.20008889	2.8950366	20	2 29.2	20.0
237203 2008 UA_{277}	16.0	X	3.41376	72.67345	37.09313	5.95145	0.1244184	0.18467567	3.0539570	20	—	—
237204 2008 UT_{277}	16.8	X	136.53221	126.85285	35.25685	6.51647	0.1857070	0.22710849	2.6606054	20	8 19.6	21.2
237205 2008 UC_{280}	17.7	X	325.40037	2.22743	181.20516	3.96261	0.1583336	0.27765661	2.3270053	20	—	—
237206 2008 UM_{281}	15.3	X	257.39027	332.17610	237.30420	10.12043	0.0468251	0.18115502	3.0933980	20	—	—
237207 2008 UP_{282}	16.8	X	116.23654	332.19120	228.33649	3.89992	0.0622963	0.23032119	2.6358060	20	9 4.4	20.6
237208 2008 UK_{290}	16.7	X	177.27050	334.33342	104.51636	4.74904	0.0149707	0.21589901	2.7519188	20	6 8.9	20.6
237209 2008 UX_{298}	16.6	X	176.59815	293.16667	306.38745	3.72452	0.1102914	0.25691117	2.4506468	20	—	—
237210 2008 UJ_{309}	16.1	X	258.62994	69.06042	356.08544	8.45830	0.1306747	0.23512513	2.5997805	20	8 23.3	19.5
237211 2008 UV_{315}	16.6	X	261.70146	12.81748	63.00312	1.77781	0.0985392	0.23506202	2.6002458	20	9 14.9	19.9
237212 2008 US_{324}	16.4	X	226.80594	8.82661	36.86129	4.31811	0.1028582	0.22048102	2.7136588	20	6 19.3	20.5
237213 2008 UR_{329}	17.2	X	164.04637	259.94920	11.35057	1.47573	0.1193539	0.26613356	2.3936995	20	—	—
237214 2008 UF_{337}	17.3	X	131.41899	117.94452	176.94050	1.05511	0.1790585	0.26229659	2.4169869	20	—	—
237215 2008 UJ_{337}	16.6	X	98.31976	210.16834	307.48812	4.16680	0.1216791	0.21400853	2.7681014	20	6 26.1	20.5
237216 2008 UG_{340}	16.2	X	13.46902	21.41160	316.90260	1.73245	0.1639245	0.24299408	2.5433468	20	11 9.9	19.0
237217 2008 UC_{348}	16.5	X	343.46982	333.33414	149.57469	1.21984	0.1535977	0.17905178	3.1175753	20	—	—
237218 2008 UD_{353}	16.1	X	337.44067	123.52493	45.37441	4.17703	0.0957860	0.18876672	3.0096715	20	1 12.7	19.9
237219 2008 UN_{353}	16.2	X	245.33645	133.93806	116.65732	3.24099	0.0300246	0.18669734	3.0318704	20	1 8.1	20.6
237220 2008 UR_{356}	16.1	X	136.82356	182.96999	184.80345	2.61262	0.1298306	0.19384362	2.9568891	20	2 3.6	20.5
237221 2008 VS_{2}	16.0	X	232.25055	69.18123	38.01825	10.61233	0.1064741	0.23430864	2.6058166	20	9 20.8	19.7
237222 2008 VK_{15}	17.2	X	202.94039	50.59320	202.64610	0.97197	0.1569693	0.27088786	2.3656093	20	—	—
237223 2008 VO_{23}	16.4	X	39.62342	309.19952	151.84859	2.86995	0.0725928	0.18720826	3.0263515	20	1 18.7	20.3
237224 2008 VY_{37}	16.1	X	68.60809	262.61919	177.67267	5.34446	0.1762373	0.19147691	2.9812045	20	2 14.5	19.7
237225 2008 VD_{39}	16.7	X	175.00822	40.05806	351.11265	1.47503	0.0830031	0.20643050	2.8354379	20	4 6.7	21.0
237226 2008 VM_{51}	15.7	X	67.13957	213.50855	62.21549	8.53521	0.1920398	0.23907037	2.5710995	20	11 3.5	19.5
237227 2008 VE_{53}	16.2	X	125.57604	240.26598	233.37575	4.14062	0.1137589	0.21614087	2.7498655	20	5 30.2	20.3
237228 2008 VU_{59}	16.4	X	235.06351	278.99617	174.50210	2.27999	0.1044886	0.23486617	2.6016912	20	9 1.2	19.9
237229 2008 VR_{64}	15.9	X	26.43121	99.30372	346.95389	4.32780	0.1474183	0.18008042	3.1056920	20	—	—
237230 2008 VS_{64}	15.8	X	234.90998	252.97289	139.28051	13.38077	0.2719689	0.22296735	2.6934476	20	5 29.8	20.6
237231 2008 VN_{66}	15.4	X	67.01659	222.82775	163.87660	12.79820	0.1181465	0.17975705	3.1094155	20	—	—
237232 2008 VQ_{68}	16.0	X	293.03139	334.27733	274.12179	2.21196	0.1185316	0.18498591	3.0505416	20	2 17.5	20.4
237233 2008 VX_{71}	16.0	X	200.18422	271.27892	136.55652	6.83517	0.0147181	0.21268287	2.7795919	20	5 29.5	20.0
237234 2008 VG_{73}	15.9	X	115.83912	333.22690	103.50824	13.36055	0.1259157	0.20190518	2.8776484	20	4 10.9	20.3
237235 2008 VP_{76}	15.8	X	327.26957	45.85268	84.33901	8.82448	0.1727780	0.17577784	3.1561669	20	—	—
237236 2008 WV_{5}	16.1	X	137.89171	288.28331	106.30071	3.18838	0.0800672	0.20178766	2.8787656	20	3 3.6	20.2
237237 2008 WE_{12}	16.0	X	230.91651	111.91953	173.89270	1.99536	0.0503629	0.19535205	2.9416482	20	1 30.9	20.4
237238 2008 WY_{21}	16.0	X	108.21594	34.22810	15.11378	1.74349	0.1328639	0.19563316	2.9388296	20	2 23.5	20.0
237239 2008 WN_{32}	16.5	X	309.80422	299.93631	92.48175	2.27737	0.0753217	0.23878911	2.5731180	20	10 2.7	19.4
237240 2008 WM_{35}	16.3	X	262.67885	282.45007	51.78866	3.43819	0.0778620	0.21522806	2.7576351	20	5 2.8	20.0
237241 2008 WP_{35}	16.7	X	161.10621	180.76177	238.99456	3.03417	0.0947466	0.20930890	2.8093828	20	4 27.9	21.0
237242 2008 WM_{36}	17.1	X	153.11136	218.68106	236.18817	2.44771	0.0519260	0.21455417	2.7634063	20	6 1.1	20.9
237243 2008 WN_{36}	16.5	X	178.65571	92.93077	249.42332	1.17037	0.0968562	0.19737996	2.9214649	20	2 12.6	20.9
237244 2008 WX_{44}	16.5	X	162.51662	95.96021	58.18101	4.26754	0.0289321	0.22982848	2.6395718	20	9 2.1	20.1
237245 2008 WF_{48}	16.3	X	29.80630	341.03990	83.12272	2.02999	0.1975117	0.17718608	3.1394216	20	—	—
237246 2008 WX_{54}	16.2	X	140.75245	317.60287	195.98409	8.39595	0.1354127	0.22320096	2.6915679	20	8 4.9	20.6
237247 2008 WP_{62}	16.5	X	144.01140	81.67803	188.81520	4.38216	0.1320734	0.25763564	2.4460505	20	—	—
237248 2008 WK_{66}	16.5	X	32.59718	357.36323	75.03137	2.78656	0.1632045	0.18035805	3.1025040	20	—	—
237249 2008 WD_{69}	16.3	X	197.61551	184.90078	167.12226	2.20971	0.0913716	0.20181457	2.8785098	20	3 14.1	20.6
237250 2008 WG_{69}	17.1	X	317.76060	322.07097	23.17504	4.37098	0.0906365	0.31576654	2.1357904	20	8 19.2	18.8
237251 2008 WY_{69}	15.7	X	58.52225	333.76892	45.13663	1.35696	0.0655918	0.17279906	3.1923351	20	—	—
237252 2008 WB_{70}	15.8	X	333.43781	35.49769	79.89238	2.77625	0.1329640	0.17252193	3.1957528	20	—	—
237253 2008 WA_{72}	15.3	X	152.95114	107.78223	321.96129	5.22204	0.2458454	0.12333436	3.9971151	20	5 10.0	22.0
237254 2008 WU_{75}	16.8	X	286.28239	262.35542	122.06244	2.67686	0.1059225	0.23135964	2.6279130	20	8 8.3	20.1
237255 2008 WA_{77}	15.3	X	178.91018	288.85768	112.16725	4.06058	0.2187809	0.12466507	3.9686201	20	4 29.2	21.9
237256 2008 WZ_{78}	16.9	X	132.96697	290.92259	171.58569	4.48652	0.0078760	0.21148965	2.7900371	20	5 14.2	20.7
237257 2008 WW_{79}	16.3	X	144.16328	308.77767	148.69438	4.29391	0.0902472	0.21135282	2.7912411	20	5 28.6	20.5
237258 2008 WU_{80}	16.5	X	52.30928	67.96247	160.29889	3.93775	0.0228143	0.22091988	2.7100638	20	7 14.7	20.1
237259 2008 WA_{83}	16.1	X	292.26340	160.03660	136.75294	5.10230	0.0857565	0.21048923	2.7988704	20	4 23.0	19.8
237260 2008 WE_{92}	16.2	X	111.29206	73.76013	280.90966	0.52647	0.0597617	0.18318446	3.0705085	20	—	—
237261 2008 WN_{94}	16.7	X	247.17888	217.37031	118.03610	4.14721	0.1089401	0.21313012	2.7757019	20	4 14.3	20.8
237262 2008 WP_{95}	16.3	X	257.69030	252.95612	130.30422	5.43197	0.1419063	0.22453701	2.6808803	20	6 21.6	20.0
237263 2008 WY_{95}	16.0	X	153.28591	331.48963	127.22753	4.70187	0.0576840	0.21368191	2.7709215	20	6 7.2	20.1
237264 2008 WP_{96}	16.1	X	324.38090	194.71826	121.56015	5.35930	0.0947869	0.22787234	2.6546564	20	7 4.7	19.1
237265 Golobokov	16.0	X	317.95571	185.62906	204.37147	14.76930	0.1334558	0.23928593	2.5695551	20	10 8.1	18.4
237266 2008 WX_{96}	16.3	X	247.35574	274.07004	99.72848	4.18530	0.1427780	0.21958648	2.7210237	20	5 28.3	20.4
237267 2008 WQ_{101}	16.6	X	306.71312	227.50962	175.60349	3.03721	0.1315444	0.24053592	2.5606453	20	10 7.9	19.3
237268 2008 WM_{102}	15.9	X	323.94630	258.74380	144.46593	13.56473	0.0132723	0.24438146	2.5337118	20	11 13.8	19.4
237269 2008 WR_{105}	16.8	X	100.58181	284.33412	324.64937	1.69249	0.0124567	0.23797895	2.5789545	20	10 16.1	20.3
237270 2008 WP_{109}	16.3	X	101.81256	37.40810	55.02607	3.10126	0.0717317	0.20050497	2.8910301	20	3 31.9	20.4
237271 2008 WM_{115}	16.4	X	136.45747	88.77709	73.25866	5.98925	0.0802317	0.22229725	2.6988578	20	8 13.1	20.4
237272 2008 WA_{129}	15.9	X	26.96326	138.14724	105.13269	8.97029	0.1686776	0.21391530	2.7689056	20	7 16.5	18.9
237273 2008 WV_{130}	16.6	X	250.67656	84.71301	259.59654	2.44196	0.1056791	0.21510161	2.7587156	20	4 27.1	20.6
237274 2008 WY_{134}	14.9	X	292.11463	136.79498	68.07276	16.18714	0.0871065	0.17644675	3.1481852	20	1 1.5	19.6
237275 2008 WG_{135}	16.1	X	97.32474	212.69152	79.75440	8.99725	0.1595423	0.25256275	2.4786955	20	12 20.9	19.9
237276 Nakama	15.7	X	88.26121	177.48736	93.97482	14.07947	0.1973962	0.24153463	2.5535818	20	11 21.4	19.9
237277 Nevaruth	16.1	X	8.33328	238.85912	253.67537	1.66651	0.1703332	0.18567894	3.0429462	20	1 7.3	19.4
237278 2008 XG_{5}	14.8	X	185.73392	80.13720	309.68938	7.41000	0.2313983	0.12439920	3.9742726	20	4 16.9	21.5
237279 2008 XB_{7}	16.3	X	279.94261	235.19772	179.26538	2.96016	0.1725089	0.23620747	2.5918327	20	8 30.0	19.1
237280 2008 XK_{10}	15.3	X	358.84910	63.23457	80.41454	21.48091	0.1246338	0.18436577	3.0573783	20	1 9.4	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237281 2008 XF_{13}	15.8	X	316.06567	306.20649	101.87174	10.22140	0.1161353	0.24344325	2.5402174	20	11 7.2	18.6
237282 2008 XW_{15}	15.5	X	234.51319	43.07818	91.67793	2.24370	0.0303023	0.15548116	3.4251863	20	10 22.4	20.3
237283 2008 XK_{16}	16.4	X	38.94341	320.33297	164.39933	1.79644	0.0521464	0.19124185	2.9836469	20	2 14.7	20.2
237284 2008 XR_{16}	16.4	X	53.17502	272.13628	207.30836	2.40081	0.1482477	0.19171739	2.9787110	20	3 8.3	19.9
237285 2008 XT_{17}	16.3	X	318.01045	98.30484	161.25877	2.41804	0.0043039	0.20511357	2.8475615	20	4 19.1	20.2
237286 2008 XB_{21}	15.3	X	181.00163	231.13509	103.86209	11.17672	0.0490624	0.18691801	3.0294837	20	2 7.7	19.8
237287 2008 XK_{34}	16.5	X	335.70144	307.22221	30.62531	4.09136	0.0494870	0.23023352	2.6364751	20	8 28.3	19.8
237288 2008 XT_{36}	16.7	X	164.14234	224.07856	294.80432	2.52318	0.0872512	0.22893924	2.6464025	20	9 6.0	20.7
237289 2008 XN_{37}	16.6	X	73.26907	204.77624	349.20061	2.30051	0.0232632	0.21690768	2.7433808	20	6 27.4	20.3
237290 2008 XG_{39}	16.5	X	12.58032	221.85296	52.01629	3.51567	0.0469776	0.22166141	2.7040164	20	7 24.3	19.8
237291 2008 XS_{47}	16.8	X	28.57529	50.69687	298.98510	2.90843	0.1293800	0.24131395	2.5551384	20	12 11.8	20.0
237292 2008 XX_{47}	15.0	X	124.14588	206.03953	112.55350	7.70079	0.1236843	0.16903587	3.2395409	20	—	—
237293 2008 XA_{48}	16.6	X	68.07875	24.68056	247.07179	1.17673	0.0736447	0.22816850	2.6523587	20	10 11.2	20.1
237294 2008 YE_{5}	15.4	X	17.39707	356.71380	65.76400	7.03112	0.1695406	0.17230679	3.1984123	20	—	—
237295 2008 YN_{7}	16.6	X	28.56992	3.53340	81.72662	4.29759	0.0971265	0.26484212	2.4014747	20	—	—
237296 2008 YW_{18}	15.5	X	126.82679	17.57766	322.37189	4.02082	0.1458723	0.17180200	3.2046743	20	—	—
237297 2008 YW_{27}	16.0	X	339.07082	86.30436	18.58094	0.63983	0.1582042	0.17237000	3.1976304	20	—	—
237298 2008 YM_{29}	15.4	X	24.25051	358.62208	121.29316	3.36587	0.0592456	0.17940556	3.1134755	20	1 21.8	19.6
237299 2008 YR_{33}	15.4	X	255.12723	173.66110	81.83530	10.91894	0.0225184	0.18850618	3.0124441	20	1 27.3	19.8
237300 2008 YA_{34}	15.5	X	8.91888	319.02315	284.41352	4.51714	0.1254978	0.19801614	2.9152042	20	6 7.3	18.8
237301 2008 YZ_{43}	15.7	X	309.00728	22.26010	138.06682	1.70162	0.0982780	0.17708207	3.1406508	20	—	—
237302 2008 YA_{59}	15.7	X	143.46568	255.31298	96.85404	11.03752	0.0498016	0.18069721	3.0986207	20	1 17.5	20.2
237303 2008 YV_{59}	15.2	X	167.18360	353.19660	302.43865	6.34604	0.0288884	0.17125171	3.2115358	20	—	—
237304 2008 YP_{77}	16.0	X	128.94803	209.06537	153.09551	5.03518	0.1444430	0.18111630	3.0938388	20	1 23.2	20.5
237305 2008 YT_{88}	16.4	X	234.33627	49.03892	304.20064	0.97647	0.0799983	0.20434203	2.8547248	20	4 23.3	20.5
237306 2008 YH_{89}	15.6	X	275.68199	154.51421	90.54525	3.21020	0.1262505	0.18290947	3.0735852	20	1 25.8	20.1
237307 2008 YQ_{90}	15.8	X	316.43897	305.97143	271.71509	3.62965	0.1165687	0.18586458	3.0409198	20	2 9.2	20.0
237308 2008 YZ_{90}	16.4	X	198.72149	200.82045	130.43326	2.52793	0.0960446	0.18994293	2.9972339	20	2 20.8	21.1
237309 2008 YT_{99}	16.5	X	259.03413	8.29901	290.74636	2.08695	0.0593420	0.19276996	2.9678582	20	3 17.3	20.8
237310 2008 YJ_{110}	14.2	X	107.12547	248.34811	350.92163	9.06181	0.1186825	0.12429899	3.9764085	20	10 3.9	20.2
237311 2008 YV_{121}	16.3	X	183.44043	159.51731	183.18028	2.07620	0.0426341	0.18747339	3.0234976	20	2 17.0	20.7
237312 2008 YT_{133}	16.1	X	5.80011	160.38734	16.35905	1.90283	0.0651426	0.19600305	2.9351310	20	3 4.7	19.7
237313 2008 YE_{161}	16.7	X	298.76042	8.36214	354.16565	2.10849	0.0916645	0.21876320	2.7278462	20	7 29.1	20.1
237314 2008 YP_{162}	15.7	X	155.11689	171.94787	124.37090	4.17638	0.0528909	0.16810718	3.2514609	20	—	—
237315 2009 AZ_{14}	16.3	X	101.35443	292.42929	121.65295	1.94047	0.1090838	0.18304055	3.0721176	20	2 19.1	20.6
237316 2009 AK_{30}	15.7	X	177.05161	229.07090	125.26477	8.85506	0.0390547	0.18995071	2.9971520	20	2 25.7	20.0
237317 2009 AH_{34}	16.7	X	129.93652	333.25271	351.06250	1.24668	0.2016133	0.26169887	2.4206657	20	—	—
237318 2009 AZ_{42}	16.3	X	88.79471	42.42320	141.29057	6.67972	0.0510770	0.20570105	2.8421373	20	7 7.7	20.3
237319 2009 BT_{17}	16.7	X	205.30242	190.59228	72.57032	7.36318	0.0877925	0.26994085	2.3711388	20	—	—
237320 2009 BX_{36}	15.7	X	282.77293	126.67214	124.39993	2.33871	0.1688619	0.18244646	3.0787831	20	2 4.0	20.2
237321 2009 BM_{54}	14.0	X	330.43662	223.65637	91.66337	4.91169	0.1103819	0.12172420	4.0322870	20	7 5.9	19.1
237322 2009 BV_{85}	16.6	X	59.94797	312.03775	289.06236	2.97482	0.1320207	0.21120845	2.7925129	20	8 27.0	20.4
237323 2009 BP_{88}	14.1	X	33.02134	126.12784	137.96772	6.46361	0.0993200	0.12402578	3.9822458	20	8 5.8	19.3
237324 2009 BM_{97}	15.1	X	201.63040	329.65929	9.27600	10.06241	0.0291226	0.18755546	3.0226155	20	3 6.8	19.5
237325 2009 BO_{115}	15.9	X	200.71820	293.80612	10.44470	1.86148	0.0829596	0.17930664	3.1146205	20	1 23.5	20.6
237326 2009 BF_{161}	16.0	X	207.40440	56.75480	229.34796	3.83297	0.0931134	0.17268005	3.1938016	20	1 8.9	21.0
237327 2009 BE_{172}	16.0	X	164.54761	16.61602	155.07830	7.33512	0.0272481	0.22218771	2.6997447	20	9 26.1	19.8
237328 2009 CA_{1}	15.5	X	245.62790	3.04125	76.72118	9.64314	0.1135753	0.22464267	2.6800396	20	8 29.8	19.4
237329 2009 CA_{4}	15.2	X	39.36394	40.94191	72.50766	14.57729	0.0556464	0.17892442	3.1190545	20	2 7.9	19.5
237330 2009 CT_{48}	15.7	X	234.22452	295.40085	337.38432	0.07501	0.1135058	0.17686599	3.1432083	20	1 18.4	20.6
237331 2009 FB_{24}	15.2	X	60.33597	300.59306	178.01700	26.91514	0.1784463	0.17826124	3.1267855	20	3 25.9	19.0
237332 2009 UN_{87}	12.9	X	265.95939	43.51548	70.75287	13.62597	0.0987503	0.08087921	5.2955547	20	10 18.4	20.0
237333 2009 UN_{130}	15.6	X	283.22091	121.85372	196.53424	8.24457	0.1746638	0.23953904	2.5677447	20	4 23.4	18.9
237334 2009 UG_{153}	15.7	X	68.06568	241.62198	307.01332	10.06623	0.0942045	0.21904076	2.7255413	20	6 24.7	19.3
237335 2009 VZ_{7}	16.8	X	180.89178	50.92002	6.16829	2.03327	0.2033956	0.23458456	2.6037728	20	5 15.5	21.2
237336 2009 WC_{25}	15.5	X	280.92628	330.94885	151.22808	24.83836	0.2328019	0.17464906	3.1697515	20	11 15.9	20.0
237337 2009 WK_{60}	16.8	X	177.19590	181.94277	227.77422	4.79278	0.0733649	0.22890835	2.6466405	20	5 1.5	20.5
237338 2009 WS_{60}	12.9	X	307.07366	347.43769	76.42571	14.63499	0.0514242	0.08095234	5.2923649	20	10 17.2	19.8
237339 2009 WN_{162}	16.4	X	173.12253	63.16928	270.33147	3.35030	0.0758734	0.21046555	2.7990804	20	1 24.6	20.5
237340 2009 WK_{258}	17.1	X	109.80119	314.62894	109.31652	0.65343	0.0571459	0.21487878	2.7606225	20	3 1.4	20.9
237341 2009 WD_{263}	15.2	X	297.08169	59.91869	70.07494	11.15392	0.0617291	0.18304131	3.0721091	20	—	—
237342 2009 XM_{23}	16.9	X	149.58659	128.51617	288.88809	4.43358	0.2455653	0.22436495	2.6822507	20	4 20.6	21.6
237343 2009 YJ_{15}	15.8	X	227.41707	283.46527	148.31738	22.37927	0.0354322	0.23338085	2.6127182	20	8 1.9	19.4
237344 2010 AY_{23}	17.1	X	66.06889	139.53168	318.45999	5.44815	0.1053033	0.29691527	2.2252614	20	2 7.1	19.1
237345 2010 AM_{37}	16.2	X	165.12154	95.51521	331.75741	5.38283	0.0363104	0.21795026	2.7346251	20	5 7.4	20.2
237346 2010 AV_{38}	17.0	X	87.73585	107.94929	319.68052	6.17888	0.1605078	0.29524364	2.2336529	20	2 8.5	19.1
237347 2010 AK_{76}	15.6	X	160.92816	285.22126	153.94748	14.82918	0.1373734	0.21950658	2.7216839	20	5 27.7	20.2
237348 2010 AV_{79}	16.5	X	294.90302	285.52407	148.67028	9.13878	0.1071940	0.25631273	2.4544599	20	11 10.0	19.2
237349 2010 CM_{12}	16.7	X	1.56294	299.39382	185.29002	4.12866	0.2710265	0.18771763	3.0208744	20	—	—
237350 2010 CZ_{146}	16.9	X	348.00131	91.41540	327.12054	5.62129	0.0907932	0.25795812	2.4440115	20	—	—
237351 2235 *P–L*	16.7	X	50.70787	83.14970	359.69751	3.85164	0.2050556	0.28555000	2.2839220	20	—	—
237352 4307 *P–L*	16.8	X	220.35420	53.63682	351.50744	12.41050	0.2004421	0.22598872	2.6693870	20	6 1.8	21.4
237353 1207 *T–2*	16.6	X	224.00060	314.07804	9.28708	5.71792	0.2937304	0.28645285	2.2791205	20	2 23.5	20.6
237354 1711 *T–2*	16.6	X	116.91829	328.11430	358.14988	6.72080	0.1144961	0.25842762	2.4410505	20	—	—
237355 2296 *T–2*	16.5	X	87.39902	4.70831	328.86608	1.75808	0.2219660	0.25733043	2.4479843	20	—	—
237356 3103 *T–2*	15.0	X	192.54962	309.29496	8.45783	12.89067	0.1553623	0.17834710	3.1257820	20	2 5.5	20.3
237357 2059 *T–3*	16.2	X	96.88510	104.96395	239.53620	3.70233	0.2107221	0.25903816	2.4372134	20	—	—
237358 3206 *T–3*	17.3	X	121.38905	359.67633	26.63015	4.94717	0.1699471	0.28554461	2.2839508	20	2 4.9	20.1
237359 3774 *T–3*	16.2	X	118.68276	321.02318	51.24752	0.05066	0.1525129	0.19231823	2.9725037	20	1 24.2	20.4
237360 4539 *T–3*	16.5	X	104.71141	216.23327	86.50981	6.36124	0.2356013	0.23462298	2.6034886	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237361 1981 EE_{48}	15.9	X	28.50816	19.00010	185.70448	11.80086	0.1668515	0.20416571	2.8563681	20	5 25.0	19.2
237362 1993 FY_{31}	16.0	X	113.37523	233.17314	37.63919	7.86422	0.2192914	0.23504999	2.6003345	20	12 7.5	20.4
237363 1993 HV_{4}	15.6	X	356.39422	87.65779	51.83539	9.57289	0.0420948	0.17552886	3.1591509	20	1 10.5	20.0
237364 1993 TW_{22}	15.9	X	318.58145	171.16933	191.17644	14.78832	0.2043187	0.21640688	2.7476116	20	8 14.4	18.9
237365 1994 EA_{5}	15.5	X	108.46468	205.31551	167.27309	13.84254	0.0684702	0.18352156	3.0667472	20	1 2.2	20.0
237366 1994 PJ_{14}	16.8	X	338.86562	99.76525	167.24447	3.74793	0.1329383	0.29794144	2.2201489	20	5 14.6	18.5
237367 1994 PY_{35}	15.8	X	193.61775	176.53712	158.54809	8.70629	0.2263683	0.21223894	2.7834665	20	2 18.9	20.7
237368 1994 UA_{7}	17.0	X	156.39728	71.35719	356.63866	3.31717	0.0935009	0.21253835	2.7808518	20	5 2.6	21.1
237369 1994 WG_{7}	16.3	X	262.99894	236.86494	189.83718	9.67527	0.0338068	0.22297596	2.6933783	20	9 10.0	19.8
237370 1994 WN_{8}	16.4	X	336.01919	223.95164	127.82579	7.40069	0.0320960	0.22219717	2.6996681	20	9 16.6	19.9
237371 1995 DG_{8}	17.2	X	246.99201	87.95453	143.34507	1.64146	0.1416833	0.26650902	2.3914508	20	—	—
237372 1995 OV_{11}	16.3	X	242.38699	338.31112	137.01479	5.51249	0.0888543	0.24092242	2.5579059	20	10 15.8	19.7
237373 1995 QE_{8}	16.6	X	205.56853	271.94224	205.79028	12.06198	0.2301447	0.23463902	2.6033700	20	8 16.1	21.2
237374 1995 SV_{7}	16.6	X	349.93082	148.72030	194.30336	0.95025	0.1137800	0.23752239	2.5822583	20	9 29.6	19.1
237375 1995 SM_{16}	16.3	X	198.72709	327.01396	177.11053	7.63267	0.1363904	0.23738909	2.5832248	20	9 23.2	20.2
237376 1995 SW_{50}	16.2	X	169.64370	196.31062	8.57400	8.77387	0.1063488	0.23972916	2.5663870	20	11 8.3	20.1
237377 1995 SZ_{63}	15.7	X	173.25617	269.88255	72.21505	1.98822	0.2035313	0.17805074	3.1292495	20	2 14.8	20.9
237378 1995 SA_{82}	15.5	X	79.13026	15.21964	24.32937	6.00795	0.1569878	0.17082084	3.2169340	20	1 13.4	19.7
237379 1995 US_{67}	15.9	X	204.66190	117.09061	200.47003	5.07839	0.1257042	0.17815416	3.1280383	20	2 9.6	21.0
237380 1995 VB_{5}	15.7	X	199.63386	264.85682	59.43659	10.30924	0.2643975	0.17868532	3.1218364	20	2 18.3	21.4
237381 1995 VF_{9}	15.1	X	184.22829	276.44988	57.75329	12.03662	0.0938758	0.17335521	3.1855037	20	2 16.4	20.2
237382 1995 VV_{18}	16.8	X	64.00076	136.92548	38.51683	6.30913	0.0095253	0.30086372	2.2057494	20	5 15.9	19.2
237383 1996 AF_{10}	17.2	X	195.99853	247.98963	190.54682	2.19434	0.0350331	0.21932402	2.7231940	20	7 1.4	20.9
237384 1996 CX	17.2	X	323.37383	29.55734	54.05677	22.75082	0.0936565	0.35724613	1.9670906	20	—	—
237385 1996 EV_{15}	16.0	X	199.70519	191.32673	252.75399	5.74463	0.0286218	0.21738754	2.7393422	20	7 13.1	19.8
237386 1996 HW_{5}	16.5	X	337.04168	209.24630	74.65250	5.44853	0.0337154	0.20918914	2.8104549	20	6 13.0	20.0
237387 1996 PM_{1}	15.7	X	92.61293	226.31668	92.91335	5.09211	0.1519564	0.17701837	3.1414042	20	—	—
237388 1996 TL	15.3	X	55.86618	221.37258	177.74377	23.12463	0.1868465	0.17673617	3.1447473	20	—	—
237389 1996 VE_{20}	15.2	X	232.93179	235.87094	97.94506	12.39073	0.0956722	0.18664832	3.0324012	20	4 4.3	20.0
237390 1996 XP_{20}	16.0	X	30.76623	42.02451	45.44929	2.17421	0.0793703	0.17427124	3.1743312	20	—	—
237391 1997 AX_{10}	17.4	X	319.92377	102.71990	115.34092	24.73099	0.1607414	0.38367616	1.8756833	20	1 5.9	19.3
237392 1997 JH_{4}	17.2	X	327.50469	212.10323	53.29819	5.30927	0.1340955	0.29925161	2.2136641	20	4 18.9	19.2
237393 1997 LG	17.1	X	216.31511	190.22917	152.93963	7.17890	0.1629832	0.29257127	2.2472339	20	3 14.5	20.4
237394 1997 SZ_{13}	16.3	X	246.43300	303.77240	346.64991	6.75225	0.1018814	0.19445718	2.9506660	20	2 19.7	20.8
237395 1997 SD_{22}	17.6	X	21.99730	186.13742	260.08441	3.18762	0.1614211	0.27014058	2.3699699	20	—	—
237396 1997 SW_{23}	16.4	X	49.03807	134.49738	301.02135	0.46620	0.1392801	0.18475915	3.0530371	20	1 5.8	19.9
237397 1998 AQ_{9}	17.0	X	219.27109	98.77119	115.39926	5.29418	0.1441783	0.25525179	2.4612563	20	—	—
237398 1998 BZ_{42}	14.9	X	331.54802	17.11577	128.83589	29.42669	0.1839530	0.17406023	3.1768962	20	—	—
237399 1998 HR_{118}	15.9	X	95.31092	79.59596	120.14670	12.34404	0.2080807	0.23364085	2.6107795	20	8 30.6	20.0
237400 1998 MT_{1}	16.5	X	170.69794	90.07906	99.28050	7.27123	0.0656651	0.23966134	2.5668711	20	10 28.8	20.2
237401 1998 QL_{25}	17.1	X	253.38539	22.92361	348.68479	5.30179	0.1676063	0.30723412	2.1751527	20	5 26.9	20.0
237402 1998 QV_{28}	16.6	X	22.15572	109.55709	231.32238	3.95687	0.2797236	0.22975336	2.6401472	20	12 12.1	19.9
237403 1998 QS_{73}	15.1	X	234.78086	191.40420	191.77003	15.27448	0.2102028	0.21439308	2.7647903	20	5 21.9	19.8
237404 1998 RS_{29}	16.0	X	242.82187	13.84843	0.57129	9.00453	0.2689236	0.21429734	2.7656138	20	5 8.9	20.8
237405 1998 RE_{66}	16.1	X	90.18830	7.96173	357.23340	13.99465	0.1905074	0.23855698	2.5747870	20	—	—
237406 1998 SV_{30}	17.3	X	12.97359	255.16411	154.29214	3.18395	0.1880749	0.27793555	2.3254481	20	—	—
237407 1998 SS_{34}	16.3	X	73.82138	19.44740	14.14106	13.33006	0.2775650	0.23871896	2.5736221	20	—	—
237408 1998 SA_{72}	16.4	X	35.18538	198.64235	124.09188	2.80347	0.1549532	0.22655456	2.6649405	20	11 17.0	19.7
237409 1998 SA_{114}	15.4	X	21.99961	294.05844	24.22940	13.41255	0.2577318	0.22639726	2.6661747	20	11 5.2	18.6
237410 1998 SN_{140}	15.9	X	309.03831	157.71745	209.17067	13.25115	0.1797454	0.21953373	2.7214595	20	8 4.4	19.2
237411 1998 SN_{155}	16.9	X	48.74222	198.99775	117.14976	4.02897	0.2596992	0.22978031	2.6399407	20	12 9.4	20.7
237412 1998 SC_{160}	16.9	X	48.12186	282.01916	100.32345	4.06043	0.1733958	0.28004164	2.3137742	20	—	—
237413 1998 TP_{27}	15.7	X	211.55768	35.28876	12.89763	14.10848	0.1560442	0.21275677	2.7789483	20	5 30.2	20.4
237414 1998 UL_{2}	15.1	X	144.88147	111.13378	223.05399	11.24145	0.0609118	0.19404499	2.9548431	20	—	—
237415 1998 UR_{7}	15.4	X	51.61342	180.93161	207.23886	10.13935	0.2261383	0.18846794	3.0128515	20	—	—
237416 1998 UT_{19}	16.4	X	121.72310	303.97672	38.54692	13.42775	0.3461906	0.24045532	2.5612175	20	1 9.9	20.5
237417 1998 UV_{23}	16.1	X	9.34199	292.60417	44.84001	14.75075	0.2381132	0.22545361	2.6736092	20	11 9.3	18.8
237418 1998 UQ_{47}	16.3	X	62.61223	318.98487	37.02143	14.80830	0.1538987	0.23240672	2.6200139	20	—	—
237419 1998 WY_{34}	16.3	X	271.53144	319.25496	31.76400	3.81884	0.1054967	0.21216562	2.7841078	20	5 31.5	20.0
237420 1998 XW_{6}	16.4	X	93.76493	109.93461	232.55535	6.69467	0.2014629	0.23391535	2.6087366	20	—	—
237421 1998 XS_{61}	16.9	X	87.54593	356.60924	73.87155	6.33604	0.1366057	0.28718322	2.2752546	20	2 12.6	19.3
237422 1999 AF_{35}	17.3	X	64.60261	308.12423	133.18463	5.08588	0.2195733	0.28102779	2.3083582	20	1 27.7	18.9
237423 1999 BD_{27}	15.7	X	183.27687	329.55892	307.19499	2.88760	0.1166270	0.18065414	3.0991132	20	—	—
237424 1999 CS_{92}	15.5	X	350.97030	142.81093	346.81687	12.76643	0.2003107	0.18309307	3.0715302	20	—	—
237425 1999 FY_{10}	17.2	X	321.61115	346.53551	183.16075	1.22709	0.1215437	0.27147212	2.3622139	20	—	—
237426 1999 FG_{74}	16.2	X	214.88708	104.26421	140.67400	1.67760	0.0357988	0.17435928	3.1732625	20	—	—
237427 1999 FF_{87}	15.9	X	331.49634	348.86842	184.56871	6.22316	0.2805196	0.18174063	3.0867493	20	—	—
237428 1999 FZ_{95}	15.1	X	249.46041	97.11976	162.16163	16.44710	0.2057819	0.17577074	3.1562519	20	1 10.4	20.6
237429 1999 GH_{58}	16.2	X	267.50302	93.74962	193.18830	18.79632	0.2201900	0.27613302	2.3355571	20	2 12.6	20.1
237430 1999 JL_{4}	16.0	X	238.93405	229.87754	46.44628	20.92902	0.2203656	0.26944048	2.3740735	20	1 13.1	20.4
237431 1999 JK_{85}	15.5	X	274.63078	114.11500	121.11798	6.09181	0.1775612	0.17583304	3.1555064	20	1 8.2	20.4
237432 1999 JH_{96}	16.0	X	190.07635	160.17062	114.44785	11.83821	0.1790658	0.26283458	2.4136875	20	—	—
237433 1999 NA_{43}	15.2	X	232.83020	96.51376	214.99909	22.92224	0.3699110	0.17409407	3.1764845	20	2 12.3	21.5
237434 1999 PH_{3}	16.0	X	180.88625	66.21327	286.14531	6.02150	0.2914527	0.21539999	2.7561674	20	2 28.7	21.1
237435 1999 RH_{9}	16.0	X	177.84796	133.08593	155.86089	2.28049	0.1567864	0.16030836	3.3560771	20	—	—
237436 1999 RC_{29}	16.2	X	7.50640	336.85952	354.01483	14.72866	0.1927690	0.23720300	2.5845758	20	10 17.9	19.1
237437 1999 RO_{40}	16.9	X	148.54938	129.91826	172.36254	11.42485	0.2756275	0.25386204	2.4702308	20	—	—
237438 1999 RR_{77}	17.0	X	132.79484	178.01031	157.71716	2.64000	0.2290750	0.25468697	2.4648939	20	—	—
237439 1999 RM_{138}	16.7	X	12.15211	215.53085	125.92275	5.31900	0.2537944	0.23921180	2.5700860	20	11 27.8	19.5
237440 1999 RQ_{148}	16.4	X	357.59052	11.64438	314.39781	2.69260	0.2658556	0.23649258	2.5897492	20	10 5.4	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237441 1999 RP_{195}	16.0	X	155.39629	180.57778	213.01502	11.93564	0.2393419	0.26292005	2.4131644	20	3 24.9	20.0
237442 1999 TA_{10}	18.1	X	115.98350	84.76682	214.66959	20.84251	0.2416172	0.53344105	1.5057230	20	—	—
237443 1999 TE_{54}	16.2	X	295.89302	34.71014	10.22814	5.61683	0.1303524	0.23247873	2.6194728	20	9 19.7	18.9
237444 1999 TZ_{66}	16.0	X	183.42638	312.96374	212.08889	12.80269	0.0868128	0.23310745	2.6147607	20	10 4.8	20.0
237445 1999 TF_{73}	16.4	X	276.74865	78.78151	343.69756	5.45713	0.0889806	0.23494942	2.6010765	20	9 18.2	19.4
237446 1999 TL_{75}	16.2	X	60.36873	93.40217	217.48758	11.30615	0.0271958	0.23636611	2.5906729	20	11 17.2	19.6
237447 1999 TD_{87}	17.3	X	63.48345	130.66167	182.29132	3.29638	0.1793307	0.23818558	2.5774628	20	12 12.8	21.1
237448 1999 TJ_{141}	16.4	X	312.06597	7.50694	27.93827	13.10299	0.2720982	0.23246896	2.6195462	20	9 25.2	18.5
237449 1999 TJ_{152}	16.7	X	321.13540	341.49037	41.48482	1.92051	0.1628398	0.23372471	2.6101550	20	10 2.9	19.1
237450 1999 TB_{182}	16.5	X	339.24406	193.71888	199.08535	16.03428	0.1480703	0.23822735	2.5771615	20	11 25.2	19.3
237451 1999 TR_{211}	16.3	X	44.51947	329.57314	19.04269	30.74071	0.2035728	0.24136901	2.5547498	20	—	—
237452 1999 TK_{214}	15.9	X	200.37707	24.58531	26.36650	10.00275	0.0734737	0.22109852	2.7086039	20	5 27.5	20.0
237453 1999 TV_{264}	14.2	X	248.71913	26.22418	280.07048	22.56458	0.2337211	0.17378118	3.1802961	20	2 19.9	19.9
237454 1999 VM_{82}	15.8	X	281.89817	218.54783	205.12186	14.43828	0.1623869	0.23280449	2.6170287	20	9 13.6	19.1
237455 1999 VM_{94}	16.4	X	205.59048	26.23463	33.65118	5.28579	0.2315468	0.22135112	2.7065428	20	6 7.7	21.1
237456 1999 VS_{119}	16.5	X	296.05330	293.81633	10.42539	5.36188	0.0604867	0.22010291	2.7167657	20	5 7.9	20.1
237457 1999 VK_{128}	17.0	X	172.84836	344.53850	42.59971	4.99451	0.0821205	0.21287576	2.7779125	20	3 31.9	21.2
237458 1999 VG_{131}	16.3	X	329.88035	306.21273	42.20673	7.01499	0.1812778	0.23010468	2.6374592	20	8 31.5	18.8
237459 1999 VL_{134}	16.6	X	142.07714	181.94429	237.60718	3.05818	0.0923236	0.21239547	2.7820988	20	4 6.3	20.7
237460 1999 VK_{158}	15.3	X	6.33528	296.22912	42.89529	28.87687	0.0529654	0.23237625	2.6202429	20	10 22.2	18.7
237461 1999 VC_{191}	15.9	X	157.43049	333.09346	222.54671	11.04324	0.0481180	0.23303690	2.6152884	20	10 16.7	19.7
237462 1999 VY_{206}	16.3	X	356.95795	308.26067	36.48947	9.29901	0.0405488	0.23194550	2.6234860	20	10 9.2	19.5
237463 1999 XQ_{171}	15.6	X	91.54615	201.30010	291.95394	13.23642	0.2864111	0.20754119	2.8253127	20	6 7.6	20.0
237464 1999 XR_{218}	16.4	X	304.89487	253.57976	112.02404	7.52137	0.0283491	0.22025592	2.7155074	20	8 20.7	19.9
237465 1999 YG_{19}	18.4	X	37.07650	160.41754	116.21660	2.20752	0.2337179	0.31495700	2.1394487	20	10 18.8	20.7
237466 2000 AZ_{135}	17.3	X	145.02032	135.69613	324.05701	3.16750	0.1488698	0.30807892	2.1711745	20	6 4.4	20.4
237467 2000 BA_{39}	16.0	X	4.59157	127.53426	132.76552	5.18864	0.0150403	0.21229274	2.7829963	20	6 20.9	19.6
237468 2000 BB_{42}	17.7	X	354.52954	308.28761	321.47664	4.20962	0.1797407	0.30577139	2.1820841	20	6 23.9	18.8
237469 2000 BR_{47}	15.5	X	14.29409	131.14099	128.34249	11.61643	0.1255737	0.21193958	2.7860870	20	7 10.9	18.6
237470 2000 CT_{135}	16.5	X	293.28844	209.80010	138.95903	5.35916	0.1218500	0.21351563	2.7723599	20	6 25.9	20.0
237471 2000 DR_{20}	15.7	X	67.06000	70.43763	155.90831	12.72141	0.1258905	0.21244617	2.7816562	20	8 16.4	19.5
237472 2000 DF_{51}	17.3	X	291.27293	196.75335	357.68921	2.96032	0.1028709	0.28656758	2.2785121	20	—	—
237473 2000 EY_{9}	16.0	X	329.12501	353.94574	169.88057	4.55121	0.1239718	0.19022679	2.9942514	20	—	—
237474 2000 EW_{46}	16.6	X	103.27074	131.34234	1.55190	5.99440	0.0785687	0.30045945	2.2077275	20	5 21.7	19.2
237475 2000 FZ_{6}	18.0	X	280.14700	345.57522	203.37266	4.52631	0.1133558	0.28182939	2.3039791	20	—	—
237476 2000 FE_{18}	15.1	X	242.04899	76.01262	137.90311	13.85079	0.1703826	0.18181836	3.0858695	20	—	—
237477 2000 FU_{59}	16.7	X	13.69243	81.10618	24.89937	23.61962	0.2345833	0.28757187	2.2732042	20	—	—
237478 2000 GD_{37}	17.3	X	294.34600	77.53307	198.18193	5.40799	0.1631025	0.29289367	2.2455845	20	3 5.8	20.1
237479 2000 GL_{70}	17.1	X	341.41444	24.23114	211.09096	8.43267	0.1390843	0.29388067	2.2405537	20	3 24.8	19.1
237480 2000 GS_{82}	17.3	X	94.57948	27.41842	20.30970	22.89165	0.0669718	0.38466587	1.8724646	20	—	—
237481 2000 GJ_{122}	16.5	X	301.11964	95.12110	187.73625	8.17570	0.2079964	0.19662584	2.9289300	20	3 27.9	20.4
237482 2000 HZ_{18}	17.2	X	336.79319	193.41529	52.55084	6.73654	0.1616616	0.29447228	2.2375518	20	4 3.5	19.1
237483 2000 HY_{27}	15.8	X	263.86662	245.35505	57.82891	22.19697	0.2489844	0.28965012	2.2623176	20	3 14.6	19.9
237484 2000 HJ_{47}	16.8	X	350.35964	36.24343	210.90629	1.94494	0.1430837	0.29577567	2.2309735	20	5 3.9	18.3
237485 2000 HL_{63}	17.1	X	286.84988	264.94285	42.50304	6.08766	0.1910546	0.29439078	2.2379648	20	4 8.1	19.9
237486 2000 KM_{2}	16.1	X	290.95823	148.56318	164.86347	25.66454	0.2996592	0.29146246	2.2529296	20	4 7.9	19.4
237487 2000 KU_{12}	17.0	X	252.61073	260.95881	58.03807	7.03067	0.1486589	0.28965452	2.2622947	20	3 22.7	20.3
237488 2000 KP_{34}	17.2	X	320.10840	164.34878	98.96038	6.53251	0.1207990	0.29227471	2.2487537	20	4 7.9	19.6
237489 2000 LG_{7}	17.0	X	76.87608	35.20678	120.77908	7.24962	0.0469284	0.29536426	2.2330447	20	5 16.2	19.6
237490 2000 LM_{15}	17.4	X	344.50084	66.35064	113.55036	5.87825	0.0896077	0.28594683	2.2818085	20	1 18.3	19.8
237491 2000 OS_{33}	17.0	X	157.33166	130.26595	219.19473	4.40638	0.2195531	0.27359492	2.3499793	20	1 30.9	20.8
237492 2000 OY_{39}	16.5	X	193.03154	124.21780	207.18868	6.55887	0.1332869	0.27660636	2.3328918	20	2 4.4	20.1
237493 2000 QD_{32}	17.3	X	171.68125	266.91335	54.11939	3.79350	0.2622120	0.27206058	2.3588064	20	1 13.9	21.2
237494 2000 QV_{33}	16.8	X	129.22311	35.87906	322.28622	4.19837	0.1450578	0.26954374	2.3734671	20	1 5.9	19.8
237495 2000 QF_{56}	16.8	X	301.63790	92.17733	145.35102	10.52173	0.2761045	0.28273123	2.2990771	20	1 11.4	20.4
237496 2000 QF_{76}	17.2	X	233.54625	121.07648	187.05524	4.14059	0.1615907	0.27860742	2.3217080	20	2 14.3	20.8
237497 2000 QR_{81}	17.0	X	203.52096	135.41907	176.10321	6.06599	0.1171747	0.27442764	2.3452230	20	1 21.7	20.7
237498 2000 QC_{85}	16.6	X	146.96100	114.13819	233.12704	4.56834	0.1357502	0.27107891	2.3644977	20	1 10.1	19.9
237499 2000 QT_{97}	14.9	X	207.49778	171.99658	149.16639	8.72138	0.2164990	0.17685224	3.1433713	20	2 16.5	20.3
237500 2000 QU_{134}	17.2	X	254.29517	308.31938	5.65372	4.50138	0.2384189	0.28336845	2.2956291	20	3 8.1	20.8
237501 2000 QK_{160}	16.6	X	86.81108	164.58771	187.24961	10.61254	0.2000268	0.26261947	2.4150054	20	—	—
237502 2000 QZ_{175}	16.0	X	235.95683	231.32494	173.43132	13.20210	0.1252393	0.23959959	2.5673121	20	6 26.6	20.0
237503 2000 QP_{186}	16.7	X	190.07345	274.45483	38.10333	4.27867	0.1816844	0.27381246	2.3487344	20	1 14.7	20.4
237504 2000 QF_{188}	16.6	X	89.07448	315.02740	68.00700	5.30569	0.2005734	0.26628060	2.3928182	20	—	—
237505 2000 QH_{192}	15.2	X	172.74023	321.18382	7.70442	14.62409	0.2789925	0.17423142	3.1748148	20	2 7.2	21.0
237506 2000 RO_{29}	16.4	X	70.22777	176.14402	211.82524	10.18892	0.2684937	0.26214282	2.4179320	20	—	—
237507 2000 RA_{34}	16.3	X	187.88257	147.07242	201.71985	6.90577	0.2242462	0.27415212	2.3467941	20	2 24.4	20.3
237508 2000 RE_{51}	15.7	X	122.66607	136.04489	206.61603	7.27670	0.2218926	0.26342373	2.4100874	20	—	—
237509 2000 RG_{60}	16.5	X	115.25789	166.05766	186.36724	2.89901	0.2276702	0.26548467	2.3975983	20	—	—
237510 2000 RM_{69}	16.7	X	158.52493	334.26351	17.51838	5.79026	0.1997310	0.27134000	2.3629807	20	2 6.1	20.3
237511 2000 RZ_{90}	15.1	X	176.53650	125.44857	201.09503	25.83267	0.2168309	0.17112339	3.2131411	20	1 26.1	21.0
237512 2000 RP_{97}	14.7	X	219.11550	106.66256	207.51654	25.13762	0.2678267	0.17838766	3.1253082	20	2 10.1	20.7
237513 2000 RK_{100}	15.7	X	269.58986	143.40848	233.01270	17.05538	0.2171302	0.23855431	2.5748062	20	6 15.4	19.4
237514 2000 SO_{2}	16.0	X	256.98081	298.44045	80.02185	13.66707	0.2510458	0.23735047	2.5835051	20	6 1.2	19.8
237515 2000 SS_{6}	16.9	X	273.58835	112.68725	197.78780	5.06151	0.2505001	0.28585595	2.2822921	20	3 18.5	20.3
237516 2000 SO_{19}	16.3	X	217.97164	164.17181	229.59924	11.24538	0.1854499	0.23313466	2.6145573	20	5 19.9	20.6
237517 2000 SP_{31}	16.7	X	106.88919	153.52563	195.87832	6.07452	0.1314912	0.26419035	2.4054227	20	—	—
237518 2000 SN_{45}	15.6	X	294.20010	121.27875	238.91071	11.60330	0.2810970	0.24255301	2.5464292	20	6 17.0	18.7
237519 2000 SO_{47}	15.0	X	196.63134	93.98759	184.24230	25.11162	0.2683284	0.17173458	3.2055131	20	—	—
237520 2000 SP_{49}	15.5	X	208.74191	124.23575	193.36939	11.29684	0.1934751	0.17633823	3.1494767	20	2 11.3	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237521 2000 SF_{105}	16.6	X	118.81034	264.19390	93.39556	2.33543	0.2022702	0.26524731	2.3990284	20	—	—
237522 2000 ST_{145}	15.8	X	270.63972	106.07179	216.55067	2.05463	0.3574426	0.18540279	3.0459670	20	3 26.5	20.9
237523 2000 SB_{160}	16.6	X	226.06141	69.45443	330.85482	23.58490	0.2362838	0.23532409	2.5983149	20	5 27.5	21.5
237524 2000 SK_{251}	16.7	X	244.94417	41.13793	240.32658	1.92465	0.1539067	0.27520668	2.3407951	20	1 24.2	20.2
237525 2000 SB_{257}	16.5	X	223.99465	26.99970	34.28331	4.04832	0.1175230	0.23709340	2.5853722	20	7 6.4	20.3
237526 2000 SY_{264}	16.4	X	194.17836	246.42294	38.17780	7.28619	0.1118993	0.26732727	2.3865683	20	—	—
237527 2000 SK_{269}	16.4	X	221.18182	229.79891	134.72085	5.30260	0.2800025	0.22993035	2.6387921	20	4 14.2	21.1
237528 2000 SR_{271}	16.5	X	152.05652	200.58804	162.41142	6.78898	0.1432341	0.26905803	2.3763227	20	2 5.7	19.9
237529 2000 SM_{282}	15.3	X	245.88812	172.56171	205.04817	9.28136	0.1449393	0.18598012	3.0396601	20	5 31.5	19.9
237530 2000 SQ_{282}	16.4	X	311.55568	22.83353	331.63179	5.78828	0.1141935	0.24267989	2.5455415	20	8 7.9	19.2
237531 2000 SY_{291}	16.5	X	299.17843	40.03177	353.31097	12.44899	0.1699884	0.24468284	2.5316308	20	9 6.3	19.1
237532 2000 SK_{301}	14.8	X	193.20416	126.44762	206.75954	16.41465	0.1660812	0.17321266	3.1872512	20	2 15.1	20.3
237533 2000 SJ_{317}	15.6	X	195.33092	215.12280	244.04991	16.71077	0.2561658	0.23791132	2.5794433	20	7 14.1	20.3
237534 2000 SJ_{321}	17.2	X	34.39694	82.32649	292.04814	1.46262	0.2006324	0.25673917	2.4517412	20	—	—
237535 2000 SR_{376}	16.2	X	287.51617	335.68158	31.63636	13.99900	0.2364959	0.24137456	2.5547106	20	6 24.6	19.6
237536 2000 TW_{12}	17.2	X	188.19151	86.83905	242.46651	3.54713	0.2466618	0.27176333	2.3605261	20	2 2.9	21.2
237537 2000 TP_{13}	17.1	X	127.48336	0.12993	330.58445	0.32384	0.2022633	0.26388474	2.4072796	20	—	—
237538 2000 TP_{18}	17.0	X	155.39314	336.09451	11.16299	3.29198	0.2348961	0.26904275	2.3764127	20	1 30.8	20.8
237539 2000 TT_{24}	15.6	X	252.22111	309.50298	56.51798	6.29798	0.1976835	0.18342459	3.0678280	20	5 17.2	20.4
237540 2000 UN	17.2	X	212.18736	26.78681	210.44722	20.35980	0.0545428	0.36027459	1.9560516	20	—	—
237541 2000 UB_{16}	16.3	X	176.85566	252.43523	207.10983	25.78538	0.3052224	0.23089337	2.6314497	20	6 29.9	21.7
237542 2000 UK_{29}	16.7	X	68.37153	317.76991	48.36505	22.18732	0.1121060	0.35718504	1.9673149	20	—	—
237543 2000 UX_{29}	16.3	X	237.06525	88.72266	14.16363	10.89739	0.2542021	0.24073662	2.5592219	20	9 1.9	20.2
237544 2000 UU_{36}	17.0	X	63.40496	163.26238	203.53673	3.05236	0.1844593	0.25725223	2.4484803	20	—	—
237545 2000 UR_{37}	16.8	X	129.59302	282.68867	62.51007	3.20358	0.1986202	0.26404684	2.4062943	20	—	—
237546 2000 UZ_{75}	16.9	X	240.01767	326.48841	228.28127	19.15471	0.0396580	0.35780000	1.9650600	20	—	—
237547 2000 UP_{78}	16.3	X	120.69073	290.78311	70.20522	7.41341	0.1410536	0.26448925	2.4036102	20	—	—
237548 2000 UZ_{83}	15.5	X	131.42931	230.78721	209.29273	17.16920	0.2264375	0.17324747	3.1868243	20	5 5.6	20.7
237549 2000 UW_{84}	16.6	X	70.01941	254.69522	126.74804	3.44025	0.1796565	0.25993996	2.4315732	20	—	—
237550 2000 UG_{113}	16.2	X	321.07913	95.21892	258.12765	7.12593	0.1352423	0.24265570	2.5457107	20	8 17.4	19.0
237551 2000 WQ_{19}	18.3	X	307.57562	270.71409	38.80372	34.27529	0.3470144	0.59107890	1.4061740	20	4 9.3	19.7
237552 2000 WH_{66}	15.7	X	230.77259	298.15027	57.45943	24.07542	0.2837647	0.22897191	2.6461508	20	4 17.9	20.6
237553 2000 WG_{83}	16.1	X	4.73233	257.98509	126.98151	6.93783	0.1005920	0.24766061	2.5112971	20	12 22.7	19.1
237554 2000 WT_{86}	15.0	X	196.28293	129.62909	261.30045	9.62830	0.1787182	0.17515107	3.1636919	20	4 26.3	20.4
237555 2000 WB_{136}	16.2	X	93.78993	278.65831	78.50866	3.96518	0.2245248	0.25987665	2.4319681	20	—	—
237556 2000 WN_{154}	16.1	X	225.04559	128.06992	306.15569	5.16250	0.2958047	0.23442780	2.6049335	20	7 8.6	20.6
237557 2000 WF_{182}	16.1	X	225.83817	330.45509	135.19485	12.69647	0.2293691	0.23811440	2.5779764	20	8 24.8	20.1
237558 2000 XC_{47}	15.9	X	291.15093	39.10964	9.36797	28.61669	0.2350445	0.23997061	2.5646652	20	9 13.0	18.8
237559 2000 YS_{6}	16.2	X	237.96399	122.80512	0.89861	2.38736	0.1570653	0.23930888	2.5693908	20	10 7.9	19.8
237560 2000 YD_{14}	16.0	X	283.69039	332.99947	106.85471	14.46117	0.1117061	0.24055832	2.5604863	20	10 29.6	19.3
237561 2000 YY_{25}	16.4	X	231.91284	29.93578	77.42914	10.67131	0.1607726	0.23806148	2.5783584	20	9 15.1	20.3
237562 2000 YP_{80}	16.5	X	312.18754	150.52842	258.74474	2.88467	0.2485787	0.24334818	2.5408790	20	10 18.5	18.1
237563 2000 YX_{108}	16.1	X	265.94476	355.28489	80.85220	4.60713	0.1014535	0.23732575	2.5836845	20	9 23.1	19.3
237564 2000 YZ_{126}	15.8	X	130.38780	231.53714	326.41186	11.43022	0.2314414	0.22890720	2.6466494	20	9 22.1	20.5
237565 2001 AV_{11}	16.3	X	297.82739	271.99137	148.00872	5.08480	0.2427380	0.24048814	2.5609845	20	10 2.7	18.5
237566 2001 BW_{1}	15.1	X	161.07979	257.00924	294.12767	26.53755	0.3811875	0.22956185	2.6416153	20	9 24.5	20.8
237567 2001 BD_{4}	16.2	X	257.57058	23.49093	80.82700	10.73120	0.1612386	0.23800820	2.5787432	20	10 13.3	19.6
237568 2001 BG_{7}	16.4	X	135.78689	91.77547	321.48781	8.12344	0.2172797	0.21649434	2.7468716	20	3 31.4	21.0
237569 2001 BS_{9}	16.2	X	242.27290	282.94878	184.66757	7.18340	0.1170352	0.23481218	2.6020900	20	9 27.6	19.8
237570 2001 BT_{57}	16.3	X	212.84704	264.11046	266.74271	10.25097	0.2424186	0.23664388	2.5886452	20	10 27.3	20.6
237571 2001 CE_{19}	16.1	X	278.24366	351.31443	169.54464	3.49504	0.1172991	0.24644008	2.5195820	20	—	—
237572 2001 DA_{2}	16.9	X	273.31956	33.90722	23.76755	0.86104	0.1431186	0.23273533	2.6175471	20	8 29.6	19.9
237573 2001 DM_{25}	16.3	X	236.65814	334.81583	134.28281	8.13728	0.1204159	0.23363897	2.6107935	20	9 24.8	19.9
237574 2001 DY_{47}	16.3	X	301.06568	242.32423	131.86083	5.27857	0.1346408	0.22969988	2.6405569	20	8 13.5	19.2
237575 2001 DW_{49}	15.7	X	185.27629	94.99958	21.55136	11.37816	0.1285478	0.22755111	2.6571541	20	8 9.4	20.0
237576 2001 DN_{52}	16.5	X	194.65441	118.54447	354.68812	5.33780	0.2305302	0.23037851	2.6353688	20	8 6.3	21.0
237577 2001 DF_{59}	16.2	X	95.26155	190.31344	334.79565	13.26084	0.1216214	0.21959909	2.7209195	20	7 4.6	20.3
237578 2001 DX_{61}	16.1	X	106.73777	284.84165	323.67280	3.82106	0.2304006	0.23073474	2.6326556	20	11 5.6	20.7
237579 2001 DR_{63}	15.6	X	285.67000	245.51206	158.45094	12.67096	0.2871259	0.23457472	2.6038457	20	8 3.1	18.7
237580 2001 DS_{105}	15.8	X	71.65711	189.75027	301.65928	10.52046	0.1501156	0.21384969	2.7694719	20	4 15.3	19.5
237581 2001 DZ_{108}	16.0	X	197.16783	327.89536	129.49351	12.74781	0.1475694	0.22590708	2.6700301	20	7 21.6	20.1
237582 2001 EP_{14}	15.6	X	155.57482	40.06058	118.10925	12.73601	0.1293498	0.22517457	2.6758175	20	8 30.9	19.9
237583 2001 FO_{4}	16.2	X	219.80583	59.67049	2.84958	12.69420	0.2580392	0.22513171	2.6761571	20	6 21.8	21.0
237584 2001 FL_{15}	15.7	X	82.42514	252.41573	7.12586	12.48227	0.2425297	0.22463703	2.6800844	20	10 27.5	20.2
237585 2001 FC_{18}	15.9	X	117.08557	13.45560	190.30894	13.34720	0.1076857	0.22402277	2.6849813	20	9 12.6	20.0
237586 2001 FF_{19}	15.8	X	70.11170	85.40165	202.92074	12.44190	0.2566277	0.22606303	2.6688020	20	11 25.9	20.2
237587 2001 FP_{34}	15.7	X	129.64255	184.81803	349.32171	14.81247	0.0911433	0.22382571	2.6865571	20	8 23.3	19.7
237588 2001 FO_{39}	15.8	X	153.00924	8.94924	188.46576	9.32301	0.1157546	0.22997636	2.6384401	20	10 14.8	19.9
237589 2001 FU_{101}	16.0	X	70.78483	39.82233	209.31342	13.08734	0.2539157	0.22277264	2.6950169	20	10 7.1	20.2
237590 2001 FX_{113}	16.4	X	110.43923	69.76624	179.27287	13.70675	0.1249921	0.22915114	2.6447707	20	11 7.4	20.6
237591 2001 FN_{131}	16.1	X	95.14280	238.52810	292.46674	8.12107	0.1919728	0.21726399	2.7403806	20	7 18.5	20.2
237592 2001 FK_{164}	16.5	X	135.53220	348.81051	176.92267	11.82024	0.1181104	0.22239766	2.6980453	20	8 14.6	20.8
237593 2001 FB_{175}	15.8	X	56.63455	217.40797	58.77983	9.95432	0.2398702	0.22392299	2.6857789	20	10 28.0	19.7
237594 2001 FT_{179}	15.6	X	66.54455	204.55320	39.16991	13.87792	0.1112644	0.22218586	2.6997597	20	9 14.9	19.5
237595 2001 GQ_{4}	15.6	X	136.73143	87.93705	81.55933	13.64560	0.2062718	0.22347615	2.6893579	20	9 1.6	20.4
237596 2001 KH_{33}	15.6	X	178.08951	275.22346	109.61672	12.04017	0.0853974	0.19985952	2.8972512	20	4 8.9	20.2
237597 2001 KZ_{49}	15.7	X	59.43548	13.29490	254.35957	11.67868	0.3244890	0.21803310	2.7339323	20	10 24.7	20.1
237598 2001 KO_{67}	16.4	X	17.93567	69.41237	171.30048	2.27616	0.1567420	0.21004035	2.8028567	20	6 23.2	19.3
237599 2001 OH_{4}	16.9	X	270.40403	319.00764	66.39341	3.64869	0.1175900	0.31080198	2.1584742	20	7 21.7	19.0
237600 2001 OC_{6}	15.9	X	263.98892	159.58681	187.42113	9.65375	0.2208990	0.19799593	2.9154026	20	5 4.5	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237601 2001 OY_{88}	15.7	X	211.61898	197.33896	148.99257	2.34276	0.2434251	0.19125166	2.9835448	20	3 18.2	20.9
237602 2001 PT_{11}	16.1	X	332.23208	292.47990	83.36234	8.90891	0.2412105	0.20961890	2.8066123	20	10 13.8	18.6
237603 2001 PY_{11}	15.0	X	126.29450	5.03884	9.37960	15.90290	0.2430766	0.18066588	3.0989789	20	2 20.9	20.1
237604 2001 PN_{25}	15.9	X	311.80942	258.50870	30.83345	6.83640	0.3552326	0.20100350	2.8862480	20	3 29.1	19.6
237605 2001 PJ_{44}	15.1	X	47.72537	242.48551	159.46795	16.85304	0.1082494	0.17407218	3.1767507	20	—	—
237606 2001 QH_{57}	17.1	X	222.01552	323.25480	49.41818	4.02643	0.1811176	0.29924450	2.2136992	20	4 25.5	20.4
237607 2001 QQ_{71}	16.4	X	34.86780	160.70329	176.25907	8.41639	0.2107056	0.21647033	2.7470747	20	12 10.5	20.2
237608 2001 QQ_{78}	14.4	X	155.67861	158.69971	208.60720	16.63241	0.2164476	0.17783291	3.1318044	20	2 25.0	19.9
237609 2001 QZ_{108}	14.9	X	118.93652	6.72718	9.83574	17.69580	0.2087564	0.17850399	3.1239502	20	2 14.3	19.9
237610 2001 QB_{142}	16.9	X	43.95053	19.53573	27.04559	6.14061	0.3115471	0.27236262	2.3570622	20	—	—
237611 2001 QN_{172}	15.5	X	106.45360	191.29838	187.23372	12.24955	0.1543856	0.17842908	3.1248245	20	1 17.9	20.1
237612 2001 QZ_{230}	15.3	X	86.35304	213.35967	176.74277	19.14268	0.1360188	0.17655498	3.1468986	20	1 5.4	19.9
237613 2001 QD_{249}	16.8	X	246.02421	299.78290	33.91169	6.44334	0.2235282	0.29535456	2.2330936	20	3 27.0	20.2
237614 2001 QY_{262}	16.1	X	7.98105	323.02127	30.03245	9.18009	0.2398681	0.26286922	2.4134755	20	12 9.2	18.8
237615 2001 QH_{280}	16.1	X	338.33463	65.21950	3.49970	26.22600	0.2717203	0.26804957	2.3822791	20	—	—
237616 2001 RN_{4}	17.5	X	330.98924	128.11513	205.28520	3.07037	0.2358464	0.31072154	2.1588467	20	8 17.6	18.3
237617 2001 RT_{30}	15.9	X	241.90403	112.74629	176.18527	5.11663	0.1460324	0.18790235	3.0188943	20	2 8.9	20.8
237618 2001 RZ_{31}	16.7	X	333.59769	173.75308	214.59279	4.43362	0.2252599	0.26446232	2.4037734	20	11 22.8	18.3
237619 2001 RF_{52}	17.7	X	291.34964	105.00269	194.33276	2.38647	0.1986998	0.30093890	2.2053820	20	3 30.1	20.5
237620 2001 RM_{55}	15.7	X	83.12169	216.94461	158.03343	6.11230	0.1765686	0.17375908	3.1805657	20	—	—
237621 2001 RM_{56}	15.9	X	171.07457	323.50901	5.61189	6.98555	0.1489785	0.18103925	3.0947166	20	1 27.9	20.9
237622 2001 RU_{71}	15.0	X	112.61414	214.08893	197.13795	27.09191	0.1395660	0.17879421	3.1205687	20	2 29.1	19.9
237623 2001 RY_{98}	15.5	X	222.80583	90.31992	171.34481	9.45256	0.0486768	0.17855210	3.1233890	20	—	—
237624 2001 RO_{100}	17.1	X	99.83422	31.89435	3.71787	7.05059	0.2660842	0.28244383	2.3006364	20	2 4.8	19.7
237625 2001 RA_{101}	15.5	X	197.81612	186.69643	103.49678	2.70199	0.1564216	0.18080363	3.0974046	20	1 4.9	20.5
237626 2001 RX_{103}	17.2	X	182.13046	344.03055	31.58788	5.57498	0.1779483	0.29284434	2.2458366	20	3 24.9	20.6
237627 2001 RG_{108}	15.7	X	117.37798	221.71276	149.11426	4.48973	0.0804449	0.17877963	3.1207384	20	1 13.2	20.1
237628 2001 RL_{114}	17.2	X	247.33629	310.93149	31.94644	2.46419	0.2153571	0.29901038	2.2148545	20	4 7.9	20.6
237629 2001 RZ_{128}	15.4	X	93.43448	15.42156	13.65040	9.37593	0.1060905	0.17611122	3.1521826	20	1 12.3	19.8
237630 2001 RJ_{147}	15.3	X	101.73797	2.46078	38.91079	11.49252	0.2221952	0.17744234	3.1363983	20	2 25.4	20.0
237631 2001 RR_{149}	17.6	X	189.46254	272.90743	5.67536	2.22537	0.1484286	0.28294001	2.2979459	20	—	—
237632 2001 SM_{15}	16.0	X	272.02773	291.41495	3.45302	13.84897	0.2633941	0.19279452	2.9676061	20	3 7.2	20.7
237633 2001 SS_{26}	17.4	X	189.57899	171.41566	182.82981	6.42350	0.1803340	0.29047563	2.2580294	20	3 2.1	20.8
237634 2001 SX_{34}	15.2	X	182.84349	159.13262	185.34785	17.07214	0.1631945	0.18260447	3.0770068	20	2 20.3	20.5
237635 2001 SX_{46}	16.1	X	243.58981	305.88568	22.75642	9.78972	0.2800773	0.19149978	2.9809672	20	3 21.5	21.3
237636 2001 SA_{53}	16.7	X	202.97819	199.01336	175.53887	6.78263	0.1396021	0.29358823	2.2420413	20	4 11.8	19.9
237637 2001 SV_{57}	16.9	X	179.28561	161.58487	215.61945	6.37296	0.1515680	0.29113131	2.2546378	20	3 19.9	20.4
237638 2001 SD_{68}	17.2	X	147.67003	258.36099	104.12177	2.32598	0.2320235	0.28338360	2.2955473	20	2 9.2	20.7
237639 2001 SA_{89}	15.0	X	36.45167	268.30651	180.32370	13.10112	0.2340789	0.17399107	3.1777379	20	1 7.2	18.5
237640 2001 SU_{91}	16.9	X	287.36591	77.98009	190.09103	7.27577	0.1075224	0.29484205	2.2356807	20	2 22.9	19.7
237641 2001 SE_{93}	17.5	X	131.34745	213.76036	185.96089	5.40975	0.1231075	0.28810251	2.2704121	20	2 25.0	20.4
237642 2001 SV_{94}	15.4	X	315.53533	205.48847	339.97591	8.56417	0.0540645	0.17936622	3.1139307	20	1 12.4	19.7
237643 2001 SP_{98}	16.0	X	267.39549	111.61887	187.23369	10.88818	0.0600661	0.18966790	3.0001306	20	3 28.1	20.3
237644 2001 SC_{103}	16.2	X	250.93533	330.33425	332.01844	3.80667	0.1318517	0.18831246	3.0145097	20	3 5.9	20.8
237645 2001 SR_{130}	15.3	X	132.47381	334.90141	357.52857	10.02778	0.0353322	0.17370543	3.1812206	20	—	—
237646 2001 SR_{140}	15.1	X	99.10304	184.65679	191.01066	15.28957	0.1321677	0.17388538	3.1790254	20	1 3.9	19.8
237647 2001 SK_{145}	17.0	X	173.65632	187.56333	193.07711	6.36684	0.1986998	0.29118009	2.2543859	20	3 22.3	20.4
237648 2001 SZ_{148}	17.4	X	130.16320	185.71704	228.64708	4.92140	0.1571739	0.28827721	2.2694947	20	3 17.9	20.5
237649 2001 SQ_{157}	15.7	X	170.94640	131.71303	215.43969	8.36356	0.0993411	0.18130040	3.0917442	20	2 10.0	20.7
237650 2001 SS_{157}	16.8	X	46.03099	128.81762	273.76912	2.85462	0.2062724	0.27348321	2.3506191	20	—	—
237651 2001 SY_{163}	15.0	X	154.43394	177.04846	201.61489	9.32308	0.0914181	0.18103373	3.0947795	20	3 1.6	19.9
237652 2001 SE_{164}	14.9	X	178.42768	143.56123	204.55153	17.03935	0.2240686	0.18149292	3.0895573	20	2 20.9	20.5
237653 2001 SS_{167}	16.7	X	114.32250	154.93197	251.34440	3.37372	0.2539188	0.28458209	2.2890978	20	3 2.2	19.7
237654 2001 SE_{169}	16.9	X	35.54897	55.06843	24.17073	2.60878	0.2121476	0.27409206	2.3471369	20	—	—
237655 2001 SC_{172}	17.6	X	305.69908	122.19480	188.87107	5.15180	0.1402069	0.30297403	2.1954950	20	5 20.3	19.8
237656 2001 SV_{185}	15.0	X	314.85052	219.33303	351.27531	13.83222	0.1007417	0.18570751	3.0426342	20	2 6.2	19.2
237657 2001 SS_{193}	16.0	X	141.53393	167.51773	169.43098	2.01606	0.1520334	0.17741800	3.1366852	20	1 8.2	20.8
237658 2001 SM_{196}	17.5	X	75.89649	279.08779	169.27430	2.32149	0.1307119	0.28607416	2.2811313	20	2 15.2	19.6
237659 2001 SB_{203}	17.8	X	271.61205	128.95605	168.44701	4.91102	0.1807459	0.29705653	2.2245558	20	3 6.9	20.8
237660 2001 SH_{203}	17.3	X	21.27247	56.95771	17.77925	2.84470	0.1682957	0.27531513	2.3401804	20	—	—
237661 2001 SJ_{215}	16.4	X	331.94414	310.42520	80.61785	4.63187	0.1379193	0.26243503	2.4161368	20	11 15.2	18.7
237662 2001 SA_{218}	15.4	X	67.99436	237.81101	176.77099	15.99967	0.0493989	0.17556976	3.1586602	20	—	—
237663 2001 SH_{223}	18.0	X	91.08826	214.82322	180.50935	2.26182	0.1695376	0.28008368	2.3135427	20	1 2.4	20.1
237664 2001 SM_{227}	17.0	X	95.55179	66.83697	26.88451	4.88905	0.0950358	0.28833086	2.2692132	20	3 21.1	19.6
237665 2001 SV_{230}	14.5	X	194.95445	211.71873	22.46088	25.32418	0.1431524	0.16730898	3.2617941	20	12 22.3	20.0
237666 2001 SV_{241}	15.6	X	82.36819	204.84748	179.45969	4.92432	0.1602084	0.17155584	3.2077391	20	—	—
237667 2001 SU_{252}	15.0	X	223.24511	266.82943	34.01291	15.80737	0.0989119	0.18010211	3.1054427	20	2 16.9	20.1
237668 2001 SH_{260}	15.6	X	147.93593	160.16930	194.69792	10.22537	0.1142737	0.17842470	3.1248756	20	1 29.2	20.6
237669 2001 SJ_{279}	15.0	X	160.18612	164.73546	214.82558	12.13272	0.1593057	0.18138749	3.0907544	20	3 11.6	20.2
237670 2001 SP_{282}	15.8	X	95.18198	199.84170	154.51422	7.54763	0.1744125	0.17217575	3.2000350	20	—	—
237671 2001 SS_{285}	17.8	X	24.09461	177.36345	246.78539	0.59910	0.1616585	0.27237838	2.3569713	20	—	—
237672 2001 SB_{327}	15.8	X	46.00417	67.72931	9.64124	10.67164	0.0832781	0.17476246	3.1683802	20	1 3.2	20.0
237673 2001 SY_{348}	15.2	X	197.83099	327.30278	355.04921	9.50552	0.0698823	0.18036315	3.1024456	20	2 12.6	19.9
237674 2001 SV_{349}	17.3	X	323.57332	258.75529	14.02598	3.05048	0.0722464	0.29862206	2.2167742	20	4 30.7	19.7
237675 2001 TH_{1}	17.1	X	18.19014	264.25097	178.84957	2.44549	0.2450107	0.27197168	2.3593204	20	—	—
237676 2001 TJ_{10}	16.9	X	312.33650	256.00463	73.90705	5.86955	0.2054985	0.30465375	2.1874176	20	6 20.8	18.3
237677 2001 TD_{57}	15.4	X	142.26210	340.37076	11.29969	9.33748	0.1741862	0.17748332	3.1359155	20	1 31.1	20.5
237678 2001 TV_{61}	15.3	X	199.95551	146.83816	214.67558	9.83095	0.1104724	0.18513252	3.0489308	20	3 26.8	20.2
237679 2001 TV_{75}	15.3	X	91.17381	182.29436	210.70382	6.61717	0.1910365	0.17210519	3.2009096	20	1 23.1	19.7
237680 2001 TK_{97}	17.0	X	236.27103	89.22570	255.29834	3.97893	0.1549592	0.29440821	2.2378764	20	4 1.9	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237681 2001 TS_{108}	17.6	X	247.00525	318.28537	354.05538	5.30922	0.1806010	0.29349481	2.2425171	20	3 2.6	20.8
237682 2001 TE_{110}	16.3	X	95.76908	303.51167	5.02661	6.20756	0.1222052	0.26850634	2.3795766	20	—	—
237683 2001 TY_{122}	16.0	X	7.90368	55.60313	31.05172	11.04653	0.2032357	0.26928161	2.3750072	20	—	—
237684 2001 TT_{134}	16.7	X	294.00886	161.51609	323.08229	9.85049	0.0543799	0.27050875	2.3678190	20	—	—
237685 2001 TE_{157}	16.0	X	224.56505	227.96403	196.97324	11.65404	0.0343927	0.19687323	2.9264758	20	7 15.9	20.4
237686 2001 TD_{159}	15.5	X	231.41884	131.82321	194.66523	11.98500	0.0585802	0.18620101	3.0372557	20	3 20.1	20.1
237687 2001 TX_{163}	17.5	X	115.06223	237.71688	185.70752	6.14224	0.0775330	0.28711643	2.2756075	20	2 29.6	20.3
237688 2001 TQ_{174}	15.3	X	168.42124	339.28792	37.63711	12.88518	0.2599838	0.18563406	3.0434367	20	3 26.8	20.7
237689 2001 TR_{175}	15.9	X	200.45660	158.71272	210.60810	8.03923	0.1046339	0.18823136	3.0153754	20	4 6.7	20.6
237690 2001 TW_{195}	15.5	X	174.39775	210.90575	179.24678	18.43546	0.1748279	0.18380642	3.0635779	20	4 10.9	20.7
237691 2001 TG_{202}	16.9	X	178.99863	309.04821	85.26515	6.09686	0.2424646	0.29222029	2.2490329	20	4 17.7	20.7
237692 2001 TY_{248}	15.4	X	261.68710	226.90867	23.26571	11.82480	0.0502361	0.18012176	3.1052169	20	1 29.1	20.1
237693 2001 TB_{253}	16.1	X	208.37230	149.08061	149.76984	6.12939	0.1290099	0.17992503	3.1074799	20	1 23.2	21.0
237694 2001 TB_{255}	16.1	X	266.25236	181.15429	44.31946	17.71611	0.1483605	0.17594222	3.1542008	20	—	—
237695 2001 UJ_{32}	15.4	X	169.93609	274.89714	31.36403	9.30086	0.1317187	0.17529687	3.1619375	20	—	—
237696 2001 UM_{37}	15.2	X	99.05460	327.46943	28.24656	10.84549	0.0650798	0.17009582	3.2260688	20	—	—
237697 2001 UQ_{47}	17.4	X	240.68546	266.93686	72.21780	4.82775	0.2047856	0.29441637	2.2378351	20	3 31.1	20.9
237698 2001 UL_{60}	15.4	X	217.66954	120.51627	207.97330	13.44147	0.0354495	0.18454821	3.0553631	20	3 6.5	20.0
237699 2001 UX_{62}	15.4	X	289.46200	252.29163	26.95935	8.87596	0.2072274	0.18882982	3.0090010	20	3 13.4	19.7
237700 2001 UG_{67}	15.1	X	269.82537	170.92643	31.11844	23.12212	0.0777258	0.17079758	3.2172261	20	—	—
237701 2001 UM_{74}	15.5	X	309.70445	298.40642	47.85217	12.13080	0.1433471	0.19836137	2.9118208	20	7 16.8	19.2
237702 2001 UJ_{80}	17.5	X	34.20462	235.55973	198.79483	1.78113	0.1856563	0.27390267	2.3482187	20	—	—
237703 2001 UJ_{82}	16.9	X	257.70020	294.35800	56.00605	6.82209	0.1187114	0.29707396	2.2244688	20	5 10.5	19.8
237704 2001 UC_{85}	15.9	X	239.31122	49.48914	192.63168	9.46580	0.0594917	0.17458126	3.1705721	20	—	—
237705 2001 UF_{97}	15.6	X	158.57512	319.39236	42.72298	6.23990	0.1497522	0.17893810	3.1188955	20	2 24.6	20.6
237706 2001 UF_{111}	15.5	X	315.12360	160.65131	31.66819	14.90811	0.0254968	0.17626095	3.1503971	20	1 27.6	20.2
237707 2001 UT_{136}	17.1	X	223.46658	332.78977	331.83164	4.44052	0.1496512	0.28851721	2.2682360	20	2 1.6	20.4
237708 2001 UB_{153}	14.8	X	126.78824	293.04531	58.43432	16.25233	0.0699411	0.16895597	3.2405621	20	1 1.5	19.7
237709 2001 UN_{161}	16.9	X	290.97563	105.47414	225.32566	3.70907	0.2533002	0.29990120	2.2104664	20	5 5.2	19.4
237710 2001 UW_{184}	12.6	X	281.12039	239.81402	53.65823	17.46037	0.0732222	0.08167576	5.2610680	20	4 17.1	19.6
237711 2001 UB_{196}	15.7	X	181.18022	292.92592	32.93241	9.47890	0.0641227	0.17666582	3.1455821	20	1 31.6	20.6
237712 2001 UT_{200}	15.5	X	284.08644	333.43623	240.42298	5.17572	0.0773490	0.17527306	3.1622238	20	1 4.3	20.0
237713 2001 UB_{203}	15.0	X	167.87577	294.98441	71.18511	20.92836	0.1958889	0.18157408	3.0886367	20	3 19.0	20.5
237714 2001 UG_{212}	17.4	X	303.84012	283.20421	22.87328	3.59187	0.2061054	0.29968723	2.2115184	20	4 25.6	19.6
237715 2001 UW_{213}	15.4	X	264.25540	219.41478	47.38714	6.49944	0.1222932	0.18140050	3.0906067	20	2 11.2	20.1
237716 2001 UX_{228}	17.0	X	10.40216	20.02240	138.59160	6.32974	0.0899882	0.28565206	2.2833780	20	1 29.9	19.3
237717 2001 VB_{59}	16.1	X	230.32900	99.80987	27.06023	8.82341	0.2312969	0.25478797	2.4642425	20	9 28.3	19.6
237718 2001 VH_{82}	16.8	X	12.13728	39.46518	73.56535	6.58802	0.1796235	0.27477577	2.3432418	20	—	—
237719 2001 VX_{129}	15.6	X	157.04830	240.60505	115.07818	10.28723	0.0893084	0.17691808	3.1425913	20	2 10.1	20.4
237720 2001 VH_{133}	17.1	X	11.11874	53.42556	148.22652	7.44751	0.0497938	0.29164372	2.2519961	20	4 8.9	19.5
237721 2001 WL_{3}	16.0	X	214.22328	96.87803	214.63366	4.32492	0.1776498	0.18113515	3.0936242	20	2 9.8	21.3
237722 2001 WF_{7}	17.3	X	16.37969	324.56303	107.24206	2.53811	0.1602378	0.27027728	2.3691707	20	—	—
237723 2001 WF_{9}	14.7	X	189.50058	242.87227	75.62980	19.27420	0.1404696	0.17509328	3.1643880	20	2 2.8	20.1
237724 2001 WH_{19}	15.0	X	219.67394	73.65128	228.68194	11.21623	0.1160690	0.17890480	3.1192826	20	2 3.5	20.1
237725 2001 WH_{26}	17.6	X	4.01385	10.57172	71.16890	2.53643	0.1576613	0.27006850	2.3703916	20	—	—
237726 2001 WT_{26}	15.3	X	165.73413	262.96825	67.49105	9.25768	0.1479844	0.17448737	3.1717094	20	1 25.1	20.4
237727 2001 WO_{56}	17.5	X	323.48898	246.41748	30.03986	2.99522	0.1521648	0.29576566	2.2310239	20	4 24.5	19.4
237728 2001 WJ_{64}	15.3	X	249.73553	259.80240	61.91566	6.86061	0.2046601	0.18518205	3.0483872	20	3 25.2	20.2
237729 2001 WB_{71}	17.6	X	347.63014	40.86627	57.27592	2.18509	0.1592151	0.26928925	2.3749622	20	—	—
237730 2001 WP_{71}	15.9	X	191.25027	117.33687	220.88709	8.42777	0.1789996	0.18030973	3.1030584	20	2 20.0	21.3
237731 2001 WW_{80}	18.1	X	3.57317	350.69096	85.94747	1.48445	0.1742290	0.26823154	2.3812015	20	—	—
237732 2001 WC_{93}	16.3	X	139.18345	349.36902	26.16256	5.05520	0.2399473	0.28192474	2.3034595	20	2 20.1	19.8
237733 2001 WP_{103}	16.9	X	327.35293	358.34756	203.63397	6.73206	0.0511815	0.28119334	2.3074521	20	1 28.1	19.8
237734 2001 XV_{25}	16.1	X	290.51646	85.92440	45.94378	5.27548	0.1762512	0.26035226	2.4290054	20	—	—
237735 2001 XJ_{31}	16.9	X	328.65087	55.88681	88.62720	10.84620	0.1480050	0.27012589	2.3700558	20	—	—
237736 2001 XA_{34}	17.6	X	42.30594	223.64151	172.57172	0.78203	0.2148732	0.26895225	2.3769457	20	—	—
237737 2001 XB_{53}	16.9	X	34.60038	36.40527	84.64161	3.85163	0.1093782	0.27747087	2.3280436	20	1 19.7	19.1
237738 2001 XN_{74}	14.8	X	236.85163	253.10596	62.26099	11.00026	0.0790188	0.18323521	3.0699415	20	3 18.2	19.6
237739 2001 XE_{75}	17.6	X	8.28976	299.87570	146.04944	2.14902	0.1975341	0.26946496	2.3739297	20	—	—
237740 2001 XS_{112}	14.8	X	64.91937	232.91646	256.35035	26.40067	0.1922279	0.17407684	3.1766940	20	4 10.3	19.4
237741 2001 XU_{121}	15.6	X	182.77757	249.68163	77.80342	7.65678	0.1567512	0.17646531	3.1479645	20	2 5.9	20.8
237742 2001 XH_{122}	17.3	X	242.51614	353.68530	110.35192	1.12302	0.1565427	0.25383719	2.4703921	20	9 20.7	20.4
237743 2001 XV_{125}	17.4	X	327.21677	322.18570	136.69699	3.14182	0.1538189	0.26539104	2.3981621	20	—	—
237744 2001 XM_{128}	17.3	X	7.00175	14.01237	85.37385	6.43501	0.2041628	0.27062169	2.3671602	20	—	—
237745 2001 XD_{151}	16.6	X	347.55890	10.24795	99.02488	4.84996	0.1717128	0.26783676	2.3835408	20	—	—
237746 2001 XC_{158}	16.5	X	335.41898	21.68589	106.03131	7.53688	0.0474580	0.26857625	2.3791636	20	—	—
237747 2001 XO_{179}	17.2	X	323.33001	359.68196	108.26113	3.44690	0.1561331	0.26266440	2.4147300	20	—	—
237748 2001 XT_{234}	17.4	X	43.90813	89.77761	332.47864	1.92682	0.1897807	0.27183457	2.3601137	20	—	—
237749 2001 XU_{245}	17.0	X	334.93388	295.87900	135.49834	7.08044	0.2321505	0.26368571	2.4084908	20	—	—
237750 2001 XP_{246}	15.3	X	208.94156	256.95301	60.46644	5.70109	0.1398526	0.17620190	3.1511011	20	2 17.1	20.4
237751 2001 XR_{248}	15.0	X	276.39648	166.76078	108.36143	20.81699	0.0893712	0.17249413	3.1960961	20	3 14.9	20.0
237752 2001 XB_{249}	16.2	X	146.93562	246.83537	103.95161	7.59742	0.1672393	0.27479852	2.3431124	20	1 18.8	19.5
237753 2001 XL_{251}	17.1	X	346.65436	9.04520	95.79143	3.62023	0.1425090	0.26699925	2.3885226	20	—	—
237754 2001 YE_{19}	14.7	X	280.95498	11.04945	282.58857	14.20077	0.0735125	0.17758663	3.1346991	20	3 29.5	19.5
237755 2001 YN_{61}	17.0	X	44.59704	5.62038	43.87935	2.17515	0.1782090	0.26942407	2.3741699	20	—	—
237756 2001 YH_{84}	15.9	X	214.73113	18.58504	90.08339	4.84911	0.1622823	0.24609991	2.5219032	20	8 25.6	19.7
237757 2001 YV_{127}	16.7	X	114.81447	325.22055	58.29041	6.11565	0.1999622	0.27650577	2.3334576	20	1 29.6	19.6
237758 2001 YH_{130}	16.9	X	337.58545	34.44122	49.11418	6.29766	0.1551799	0.26239593	2.4163768	20	—	—
237759 2001 YF_{132}	16.2	X	277.41374	328.63226	344.82376	6.60541	0.2453523	0.29334543	2.2432783	20	3 25.7	19.3
237760 2001 YU_{136}	17.2	X	312.68525	103.86503	337.08894	5.44545	0.2389567	0.26063176	2.4272685	20	12 23.8	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237761 2001 YN_{148}	16.8	X	254.61621	251.53042	76.08586	7.70699	0.1421386	0.28991263	2.2609517	20	4 6.5	20.0
237762 2002 AP_{2}	15.6	X	41.27820	216.32979	203.27164	23.49615	0.2631379	0.27020527	2.3695916	20	—	—
237763 2002 AL_{13}	17.2	X	332.57297	59.32113	51.16003	2.17534	0.1423557	0.26372455	2.4082543	20	—	—
237764 2002 AZ_{20}	17.3	X	61.74897	294.20386	147.78544	22.69515	0.1021364	0.38284431	1.8783993	20	—	—
237765 2002 AV_{27}	16.6	X	45.66060	10.76946	51.59954	5.45827	0.1318592	0.26845298	2.3798919	20	—	—
237766 2002 AT_{32}	16.1	X	236.07068	257.52052	147.72582	7.85527	0.2614862	0.24150087	2.5538198	20	6 14.6	20.4
237767 2002 AZ_{47}	17.0	X	330.31805	193.59407	266.90548	1.40122	0.2103475	0.26248621	2.4158227	20	—	—
237768 2002 AE_{59}	16.7	X	311.41825	6.65381	135.26250	5.29690	0.1381758	0.26255932	2.4153742	20	—	—
237769 2002 AJ_{74}	17.3	X	261.58656	87.33094	74.72569	4.32350	0.1753660	0.25930184	2.4355609	20	—	—
237770 2002 AV_{75}	16.9	X	265.56414	116.19759	81.66188	3.47288	0.1280760	0.26495122	2.4008154	20	—	—
237771 2002 AT_{77}	17.3	X	304.26585	106.22585	37.52396	1.76875	0.1277680	0.26361916	2.4088961	20	—	—
237772 2002 AM_{85}	16.4	X	301.40756	299.07462	209.94351	5.61512	0.0633118	0.26390664	2.4071464	20	—	—
237773 2002 AW_{93}	17.2	X	266.43760	104.91650	88.67051	5.11606	0.1118424	0.26436894	2.4043394	20	—	—
237774 2002 AD_{97}	16.5	X	210.93842	19.11407	82.16550	1.92865	0.1259594	0.24421641	2.5348533	20	8 13.8	20.2
237775 2002 AO_{100}	17.0	X	250.85672	111.81858	42.63690	2.49779	0.1492007	0.25571813	2.4582631	20	12 10.5	19.7
237776 2002 AQ_{103}	17.6	X	315.29001	60.36941	79.20307	3.51440	0.1573400	0.26366275	2.4086306	20	—	—
237777 2002 AH_{114}	16.8	X	265.86421	102.90955	311.08550	2.32196	0.1590856	0.24639448	2.5198928	20	8 11.9	19.8
237778 2002 AJ_{114}	17.1	X	348.74920	327.59223	115.88360	4.78192	0.1545945	0.26244806	2.4160568	20	—	—
237779 2002 AX_{115}	15.9	X	84.53522	307.63688	295.38931	13.64147	0.0913478	0.24491705	2.5300166	20	9 21.2	19.7
237780 2002 AX_{121}	16.6	X	287.51453	43.81711	115.34665	8.98126	0.1440075	0.26071037	2.4267806	20	—	—
237781 2002 AB_{128}	16.5	X	207.19991	285.78515	138.53251	10.02659	0.1934187	0.23754880	2.5820669	20	6 17.9	20.9
237782 2002 AR_{134}	16.8	X	301.62932	91.26394	111.69836	7.52381	0.1008467	0.27295601	2.3536449	20	—	—
237783 2002 AN_{152}	15.5	X	73.22310	215.71902	316.06034	12.58801	0.1242255	0.22975142	2.6401621	20	6 13.1	19.1
237784 2002 AP_{172}	17.3	X	280.58459	34.53953	85.84689	3.48353	0.1314401	0.25658143	2.4527460	20	12 15.3	19.8
237785 2002 AX_{176}	16.5	X	239.12212	203.61308	340.67552	4.19244	0.1334080	0.25667717	2.4521360	20	—	—
237786 2002 AV_{182}	17.2	X	56.92234	13.59277	28.39749	3.47028	0.2414107	0.27001924	2.3706799	20	—	—
237787 2002 AN_{184}	16.6	X	328.49375	67.95304	18.26337	5.66955	0.0827431	0.25967614	2.4332198	20	—	—
237788 2002 AX_{201}	17.2	X	271.98457	96.13790	49.67299	8.42876	0.2221940	0.25644420	2.4536209	20	12 23.8	19.5
237789 2002 BL_{1}	16.4	X	20.89595	9.82652	55.02453	4.17373	0.1740671	0.26430115	2.4047505	20	—	—
237790 2002 BO_{11}	16.1	X	115.62008	81.46061	143.66778	2.69507	0.0629982	0.24524869	2.5277353	20	10 10.9	19.5
237791 2002 BO_{12}	17.6	X	260.75440	51.71661	122.58137	5.66377	0.1279494	0.25946569	2.4345354	20	—	—
237792 2002 BV_{12}	16.8	X	191.08390	186.87223	127.03697	7.96363	0.1336995	0.27042643	2.3682995	20	1 14.5	20.3
237793 2002 BL_{13}	16.1	X	8.19545	66.50894	60.97803	8.34202	0.0559989	0.26907052	2.3762491	20	—	—
237794 2002 BT_{13}	16.3	X	255.08423	66.91676	153.32728	9.90644	0.2004575	0.26207220	2.4183663	20	—	—
237795 2002 BV_{17}	17.2	X	305.43774	336.57990	182.44034	0.82633	0.1143814	0.26433979	2.4045161	20	—	—
237796 2002 BU_{20}	16.9	X	311.92745	277.65253	281.77667	3.70292	0.1781766	0.26773791	2.3841275	20	—	—
237797 2002 BT_{21}	17.0	X	22.04594	345.37418	86.79358	24.20397	0.0764070	0.37030322	1.9205740	20	—	—
237798 2002 BJ_{27}	15.8	X	136.72426	31.17011	118.88444	12.41936	0.1213168	0.23516434	2.5994915	20	7 30.1	19.6
237799 2002 CA_{3}	16.6	X	215.46427	352.54301	74.30768	5.19458	0.2574756	0.24050109	2.5608925	20	6 23.9	20.9
237800 2002 CS_{9}	17.3	X	182.78236	222.92261	124.91964	23.92560	0.0379898	0.38159168	1.8825078	20	1 26.5	18.9
237801 2002 CX_{9}	16.4	X	315.90570	80.76510	106.79634	23.13237	0.0859406	0.37296468	1.9114264	20	—	—
237802 2002 CZ_{10}	16.7	X	223.98228	208.47735	80.67735	23.69406	0.0557547	0.37357673	1.9093381	20	—	—
237803 2002 CB_{20}	16.0	X	232.00903	18.14276	11.23288	5.16735	0.3219148	0.23870534	2.5737199	20	5 16.2	20.6
237804 2002 CP_{24}	16.5	X	252.57327	350.12241	182.51372	7.64867	0.2712739	0.25522659	2.4614184	20	12 18.2	19.3
237805 2002 CF_{26}	17.4	X	115.89341	33.60231	342.08553	35.30652	0.3409447	0.48525315	1.6038256	20	—	—
237806 2002 CM_{44}	17.5	X	249.38183	150.61244	130.14923	24.76517	0.0456991	0.37997554	1.8878419	20	1 18.9	19.6
237807 2002 CK_{54}	15.8	X	231.06771	76.82827	327.95482	12.93725	0.0376756	0.23472914	2.6027036	20	7 3.4	19.5
237808 2002 CM_{69}	16.9	X	359.23000	340.56400	135.81322	7.78610	0.0905586	0.26662468	2.3907591	20	—	—
237809 2002 CG_{72}	17.9	X	248.19526	140.96454	49.58566	0.96085	0.1567135	0.25815004	2.4428001	20	—	—
237810 2002 CT_{77}	17.0	X	296.69460	355.13378	110.87165	2.40123	0.1399507	0.25560845	2.4589663	20	12 23.7	19.3
237811 2002 CM_{78}	17.2	X	217.71501	117.92443	90.38697	2.21384	0.1284985	0.25561358	2.4589334	20	—	—
237812 2002 CT_{80}	17.0	X	284.71350	30.01902	138.24699	7.89906	0.1064855	0.26053402	2.4278756	20	—	—
237813 2002 CP_{84}	16.4	X	215.27855	86.66454	145.67403	10.30744	0.1899075	0.25652469	2.4531076	20	—	—
237814 2002 CL_{97}	16.5	X	185.91860	316.87506	130.62454	5.72196	0.2353367	0.23655774	2.5892736	20	6 26.8	21.0
237815 2002 CG_{111}	16.6	X	256.89755	31.49490	147.19990	7.25241	0.0699906	0.25589103	2.4571557	20	—	—
237816 2002 CE_{124}	16.8	X	143.26646	355.44432	197.87245	3.89200	0.0966096	0.24319377	2.5419544	20	9 30.2	20.5
237817 2002 CO_{127}	16.6	X	105.64413	266.67780	134.95219	6.58154	0.1193002	0.27332672	2.3515163	20	1 27.2	19.3
237818 2002 CT_{139}	16.2	X	207.10963	269.60440	162.03294	11.72809	0.2573449	0.23942699	2.5685458	20	6 23.4	20.8
237819 2002 CV_{156}	17.4	X	258.72120	107.26867	37.62594	2.09396	0.1291833	0.25568044	2.4585047	20	12 12.7	20.1
237820 2002 CY_{156}	17.4	X	310.39240	85.92239	19.65094	1.42737	0.1280862	0.25837827	2.4413613	20	—	—
237821 2002 CU_{160}	16.7	X	186.84650	94.02960	35.74293	5.60100	0.1737789	0.24354139	2.5395350	20	8 24.9	20.8
237822 2002 CQ_{181}	15.0	X	16.03072	275.95192	128.75465	10.93043	0.0926594	0.15227532	3.4730927	20	—	—
237823 2002 CU_{181}	17.5	X	249.65452	231.79044	318.41747	2.25144	0.1424311	0.25892601	2.4379171	20	—	—
237824 2002 CC_{183}	16.9	X	179.72294	115.68677	37.55459	2.42005	0.0753069	0.24446226	2.5331535	20	9 20.3	20.4
237825 2002 CA_{185}	17.3	X	236.45773	133.88083	56.66102	1.60960	0.1515206	0.25652643	2.4530965	20	—	—
237826 2002 CX_{203}	17.4	X	282.54568	69.78985	40.70562	2.54518	0.1595558	0.25405436	2.4689840	20	11 30.2	19.7
237827 2002 CW_{204}	16.7	X	85.12597	220.82978	18.30253	2.59628	0.1012200	0.24007393	2.5639293	20	9 25.9	20.3
237828 2002 CC_{208}	16.9	X	248.82692	171.49798	17.02600	1.53769	0.1287864	0.25709602	2.4494720	20	—	—
237829 2002 CW_{232}	17.0	X	290.69291	79.63076	79.71662	7.38689	0.0782393	0.26084189	2.4259648	20	—	—
237830 2002 CZ_{258}	16.5	X	245.92213	357.29224	208.82535	9.89378	0.2357983	0.25800606	2.4437088	20	—	—
237831 2002 CG_{292}	16.9	X	236.37410	102.19649	135.16384	6.94743	0.0999696	0.26526347	2.3989310	20	—	—
237832 2002 CN_{307}	16.8	X	235.97989	94.32360	76.38341	4.07642	0.1588250	0.25327570	2.4740418	20	12 9.0	19.7
237833 2002 CZ_{314}	16.3	X	188.64207	358.95922	273.68879	4.93687	0.1501887	0.26101815	2.4248725	20	—	—
237834 2002 DT_{3}	15.7	X	97.87305	73.45755	133.11295	29.60323	0.2995444	0.23292160	2.6161514	20	9 20.9	20.6
237835 2002 DA_{20}	15.7	X	180.29373	50.00744	39.83246	22.65118	0.1016546	0.23334434	2.6129907	20	6 24.3	20.1
237836 2002 ED_{6}	16.1	X	155.60888	285.55761	32.50216	7.11113	0.1280103	0.26061073	2.4273991	20	—	—
237837 2002 EM_{69}	15.6	X	280.79612	294.60141	351.71694	7.22264	0.2814195	0.21530575	2.7569717	20	2 28.5	20.0
237838 2002 EV_{71}	14.9	X	51.35443	132.11898	353.95720	10.95362	0.3132576	0.11160180	4.2725642	20	4 12.2	20.1
237839 2002 EA_{100}	16.5	X	184.74239	252.74966	215.94969	7.91663	0.1223187	0.23869916	2.5737644	20	7 23.4	20.6
237840 2002 EG_{127}	17.4	X	203.55538	313.81671	150.49425	5.06033	0.2290648	0.24148429	2.5539367	20	8 1.3	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237841 2002 EU_{139}	16.4	X	164.94515	239.69403	33.58060	3.32727	0.0429304	0.25711531	2.4493495	20	—	—
237842 2002 EG_{151}	16.2	X	193.45395	246.17929	163.37831	9.60307	0.0152884	0.22609425	2.6685563	20	5 23.7	20.0
237843 2002 EF_{163}	16.3	X	19.48679	282.79901	320.19196	10.54612	0.1547015	0.22866278	2.6485351	20	7 2.2	19.1
237844 2002 FB_{5}	17.5	X	158.47195	142.40280	186.90938	22.92247	0.0513961	0.37103065	1.9180630	20	—	—
237845 Neris	16.7	X	126.57731	120.04085	138.02671	5.22098	0.1822253	0.24405612	2.5359630	20	12 5.5	21.0
237846 2002 FR_{25}	15.9	X	54.03268	156.84559	100.06238	15.10931	0.1542582	0.23451003	2.6043245	20	9 25.0	19.6
237847 2002 FE_{32}	16.6	X	229.64893	74.36832	105.17785	5.11180	0.0896627	0.25182906	2.4835076	20	12 22.4	19.7
237848 2002 GW_{9}	17.3	X	296.27465	320.12106	213.10930	20.74356	0.0514676	0.36607726	1.9353264	20	—	—
237849 2002 GS_{41}	14.1	X	76.42458	248.48837	344.31654	10.07948	0.1457051	0.12486210	3.9644439	20	8 31.1	19.6
237850 2002 GC_{61}	16.7	X	49.76399	27.61052	93.78933	3.94897	0.0873924	0.26910675	2.3760358	20	2 18.3	19.2
237851 2002 GQ_{71}	15.8	X	268.88261	265.83394	47.60565	5.81382	0.0453096	0.22141422	2.7060286	20	4 18.6	19.5
237852 2002 GH_{73}	15.8	X	87.60740	266.57443	43.48605	14.42800	0.0664210	0.24626095	2.5208036	20	12 24.5	19.6
237853 2002 GG_{78}	16.8	X	346.36720	296.77793	224.30490	4.69516	0.1852907	0.26571683	2.3962015	20	—	—
237854 2002 GV_{105}	16.6	X	249.70721	59.41883	51.14996	14.12291	0.1220048	0.24448584	2.5329906	20	10 17.2	20.0
237855 2002 GQ_{116}	16.9	X	158.55196	76.57720	139.69311	5.53143	0.1550018	0.24275754	2.5449987	20	11 14.2	21.0
237856 2002 GV_{116}	16.8	X	174.72674	101.65750	97.63765	3.51629	0.0860065	0.24321930	2.5417765	20	11 12.0	20.5
237857 2002 GJ_{126}	17.5	X	138.82379	46.35674	203.53999	5.40287	0.1692908	0.24276731	2.5449304	20	12 5.6	21.7
237858 2002 GB_{129}	14.4	X	56.12214	233.81385	14.02893	11.60747	0.0930559	0.12396219	3.9836077	20	8 21.1	19.9
237859 2002 GA_{130}	16.4	X	334.91985	173.44256	232.89851	3.64719	0.0555568	0.24530984	2.5273152	20	11 30.9	19.3
237860 2002 GR_{131}	16.8	X	155.64462	334.27846	220.39626	6.83769	0.1088002	0.24005740	2.5640470	20	10 13.7	20.7
237861 2002 GF_{133}	15.0	X	88.60888	25.39063	206.61606	2.14527	0.1143732	0.12566620	3.9475143	20	9 7.4	20.8
237862 2002 GB_{137}	16.4	X	278.04063	85.21555	12.18858	2.91056	0.0776050	0.24461846	2.5320750	20	11 10.8	19.3
237863 2002 GO_{151}	16.1	X	126.28156	13.76569	140.56219	3.40199	0.1168639	0.22974948	2.6401769	20	7 23.3	20.0
237864 2002 HF_{4}	15.9	X	120.45918	190.71575	82.00993	14.83581	0.1358381	0.24226648	2.5484366	20	12 15.7	20.0
237865 2002 HQ_{4}	17.2	X	315.49985	72.88285	49.37906	22.65684	0.0722124	0.36096300	1.9535638	20	—	—
237866 2002 JC_{6}	15.3	X	240.57699	6.11645	158.65274	11.64426	0.0504851	0.24614807	2.5215742	20	12 22.4	18.7
237867 2002 JT_{9}	16.9	X	297.47635	157.23183	65.76383	24.69896	0.0748942	0.37302432	1.9112227	20	—	—
237868 2002 JC_{13}	16.3	X	161.30340	34.25492	213.10802	10.36552	0.1202416	0.24501966	2.5293102	20	12 24.0	20.3
237869 2002 JK_{44}	16.4	X	16.30690	235.15108	226.32045	20.83054	0.0667706	0.36813978	1.9280911	20	—	—
237870 2002 JO_{60}	16.5	X	142.67435	236.04463	34.53181	11.82039	0.1778131	0.24728102	2.5138664	20	—	—
237871 2002 JU_{94}	16.4	X	105.74877	234.20861	53.22627	12.09171	0.1284063	0.24081219	2.5586864	20	12 18.2	20.4
237872 2002 JE_{103}	16.1	X	198.00370	325.19890	217.30883	6.22319	0.1355216	0.24189589	2.5510387	20	11 10.7	19.8
237873 2002 JC_{106}	15.8	X	78.03629	243.72647	65.97863	16.10427	0.2761184	0.23620675	2.5918380	20	12 28.9	20.3
237874 2002 JM_{106}	15.5	X	303.26338	274.27002	7.22137	11.45863	0.1915868	0.21654424	2.7464495	20	3 29.6	19.1
237875 2002 JK_{116}	16.1	X	210.66263	266.51815	253.23073	5.90533	0.1314886	0.24267746	2.5455586	20	10 25.3	19.9
237876 2002 JE_{120}	16.2	X	201.50286	52.37735	98.62709	14.60613	0.0880790	0.24046279	2.5611645	20	10 17.7	20.2
237877 2002 JZ_{134}	16.3	X	46.45315	64.70849	242.95920	6.64588	0.1958792	0.23500342	2.6006781	20	11 18.7	19.7
237878 2002 JC_{145}	16.2	X	21.33140	117.06551	166.20816	12.44672	0.2295499	0.22652085	2.6652048	20	9 14.5	18.9
237879 2002 KF_{9}	16.3	X	124.01830	104.76877	173.57451	5.90398	0.1492331	0.24194085	2.5507227	20	12 25.7	20.5
237880 2002 KS_{9}	17.2	X	332.37543	9.89657	119.55896	24.48118	0.0801885	0.36269185	1.9473508	20	—	—
237881 2002 LN_{3}	15.9	X	109.59328	122.03654	187.77807	15.45551	0.3590939	0.23947178	2.5682255	20	—	—
237882 2002 LZ_{9}	16.6	X	77.17329	187.11054	118.05905	5.25867	0.2628950	0.23641640	2.5903054	20	12 22.8	20.9
237883 2002 LQ_{12}	16.7	X	115.38326	108.81954	196.93167	4.88256	0.2629394	0.24138182	2.5546594	20	—	—
237884 2002 LY_{21}	17.1	X	265.40025	284.38977	252.23262	18.24649	0.0810490	0.35932826	1.9594844	20	—	—
237885 2002 LE_{24}	15.4	X	17.89600	205.18021	121.69803	15.59125	0.3089023	0.22529467	2.6748664	20	11 26.0	18.8
237886 2002 LJ_{29}	16.0	X	97.73578	198.89228	113.73860	14.38939	0.2547323	0.23736424	2.5834052	20	—	—
237887 2002 LE_{45}	16.4	X	117.05714	239.73197	61.76353	12.43607	0.1312986	0.24380816	2.5376821	20	—	—
237888 2002 LY_{46}	17.3	X	234.06753	97.84510	109.05975	24.07179	0.0596674	0.35913517	1.9601866	20	—	—
237889 2002 LK_{53}	15.9	X	149.17975	131.43256	102.65144	28.58283	0.1975776	0.23749145	2.5824825	20	12 1.4	20.6
237890 2002 LJ_{60}	16.3	X	135.90838	74.47190	174.23393	11.92232	0.1512679	0.23952539	2.5678423	20	12 2.3	20.6
237891 2002 LN_{62}	16.3	X	54.88200	180.11889	98.64732	13.13396	0.1349747	0.22694248	2.6619027	20	10 19.8	20.2
237892 2002 NG_{10}	16.6	X	39.17353	324.75638	262.64248	4.73328	0.3312215	0.22089184	2.7102931	20	8 11.3	19.7
237893 2002 NL_{32}	15.9	X	30.84194	105.59117	217.60561	13.39513	0.2231561	0.22541572	2.6739088	20	11 21.8	19.3
237894 2002 NP_{39}	15.3	X	65.42623	111.73259	192.13630	12.42064	0.2735161	0.22765127	2.6563747	20	12 11.5	19.8
237895 2002 NP_{45}	16.7	X	65.17808	155.55262	137.00380	6.00843	0.2409747	0.23070349	2.6328934	20	11 26.0	20.9
237896 2002 NR_{48}	16.5	X	102.52600	52.48496	207.24523	3.44691	0.1569335	0.23151692	2.6267227	20	11 13.0	20.6
237897 2002 NJ_{57}	16.4	X	97.71728	147.72383	113.06460	14.12807	0.1517758	0.23187669	2.6240049	20	11 14.1	20.7
237898 2002 NW_{64}	16.5	X	42.90184	290.61257	6.47325	2.07162	0.1086828	0.22799028	2.6537408	20	10 16.9	20.0
237899 2002 NL_{67}	16.4	X	330.13833	165.79300	172.63618	4.89972	0.0637164	0.22064306	2.7123300	20	8 15.6	19.7
237900 2002 NT_{68}	15.3	X	119.36803	20.64125	288.68369	10.45335	0.1392677	0.18259619	3.0770998	20	—	—
237901 2002 OU_{5}	16.0	X	113.75174	120.70716	161.37899	13.31254	0.1780991	0.23596464	2.5936106	20	12 21.5	20.5
237902 2002 OY_{11}	16.4	X	78.26521	106.57305	179.20050	13.37000	0.2150374	0.23145158	2.6272171	20	11 28.0	20.8
237903 2002 OG_{16}	14.9	X	51.95838	212.95304	140.91926	18.89968	0.1656420	0.17953668	3.1119595	20	—	—
237904 2002 PU_{17}	16.1	X	22.62299	225.71453	132.77288	13.04110	0.1141645	0.23085405	2.6317485	20	12 12.2	19.6
237905 2002 PA_{38}	16.4	X	37.95274	24.67654	231.26303	5.46818	0.1032053	0.21899033	2.7259596	20	8 10.5	19.8
237906 2002 PL_{43}	16.8	X	270.32399	331.68345	279.92901	20.41246	0.0365168	0.36467593	1.9402811	20	1 7.1	18.7
237907 2002 PO_{52}	16.5	X	108.21074	121.23602	127.07306	13.71639	0.2329974	0.23111536	2.6297644	20	11 12.9	21.2
237908 2002 PO_{54}	15.3	X	326.92321	308.84739	33.39586	8.96039	0.2535410	0.21487567	2.7606492	20	8 5.2	17.8
237909 2002 PC_{58}	15.5	X	338.96810	203.14178	163.99734	17.94585	0.2624036	0.22045549	2.7138683	20	10 22.7	17.8
237910 2002 PM_{61}	16.0	X	39.83643	133.65981	173.80452	13.31028	0.2665475	0.22548608	2.6733525	20	11 21.3	19.9
237911 2002 PT_{69}	15.5	X	349.25602	84.58750	243.45196	8.50320	0.1778357	0.21882886	2.7273004	20	8 31.9	18.3
237912 2002 PU_{77}	16.4	X	93.56958	198.39345	73.59748	6.04606	0.2311533	0.23058138	2.6338229	20	11 24.4	20.8
237913 2002 PC_{89}	16.0	X	61.20351	103.17795	197.68607	15.20572	0.0800000	0.22803343	2.6534060	20	11 12.1	19.7
237914 2002 PR_{104}	16.0	X	28.06847	129.55971	178.90930	13.60374	0.1767587	0.22406761	2.6846232	20	10 23.6	19.3
237915 2002 PH_{106}	16.6	X	339.57246	118.38782	210.58241	7.03503	0.1414579	0.21881158	2.7274441	20	8 14.2	19.6
237916 2002 PU_{115}	16.1	X	71.28231	71.05536	211.84051	12.60678	0.2736320	0.22744250	2.6580000	20	11 22.0	20.4
237917 2002 PO_{120}	15.6	X	114.10170	2.57752	309.02704	9.47009	0.1455483	0.18120383	3.0928424	20	—	—
237918 2002 PK_{124}	16.1	X	351.51498	146.08219	174.32921	5.02763	0.1169150	0.21951752	2.7215935	20	8 26.5	19.1
237919 2002 PP_{166}	15.9	X	328.29369	206.39471	98.18259	4.36881	0.0549611	0.21418063	2.7666184	20	6 27.3	19.4
237920 2002 PU_{171}	16.2	X	95.04030	70.56995	151.66529	9.18536	0.0926752	0.22269003	2.6956833	20	9 13.1	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
237921 2002 PF_{173}	15.9	X	231.65034	175.75654	212.30763	3.74268	0.0798139	0.21026679	2.8008440	20	6 4.5	19.9
237922 2002 PS_{174}	16.0	X	124.00286	71.96277	61.50598	5.40207	0.0107760	0.21169787	2.7882073	20	6 11.4	19.7
237923 2002 PA_{175}	17.0	X	292.36532	296.26300	56.55428	5.09292	0.0822259	0.21524599	2.7574819	20	7 6.8	20.6
237924 2002 PO_{178}	16.2	X	116.32391	354.41509	234.13572	4.60181	0.2113657	0.22905278	2.6455278	20	10 20.1	20.6
237925 2002 PY_{179}	16.7	X	274.54318	152.64622	186.78812	0.14623	0.0786023	0.21099777	2.7943715	20	5 24.7	20.4
237926 2002 PH_{183}	16.7	X	67.59674	193.93191	359.83261	3.17722	0.0306521	0.21372381	2.7705593	20	6 20.2	20.3
237927 2002 PG_{187}	16.3	X	244.25675	358.25922	71.84847	5.98858	0.0187227	0.21976106	2.7195824	20	8 26.9	20.0
237928 2002 PG_{189}	16.5	X	277.86662	192.05706	159.14521	3.66172	0.1049742	0.21413339	2.7670252	20	6 10.2	20.1
237929 2002 QX_{12}	16.7	X	103.84657	31.21877	300.77476	7.95213	0.1710098	0.23794782	2.5791794	20	—	—
237930 2002 QY_{13}	15.8	X	138.97829	226.56538	196.90108	11.05836	0.1815022	0.19945576	2.9011599	20	4 17.9	20.4
237931 2002 QD_{27}	16.7	X	267.48778	268.83765	98.05820	2.83966	0.0667439	0.21246190	2.7815188	20	6 22.9	20.3
237932 2002 QO_{50}	16.4	X	354.34447	82.34504	207.22507	4.10052	0.0931906	0.21486854	2.7607102	20	7 16.4	19.7
237933 2002 QN_{55}	16.4	X	229.33846	292.11638	63.45107	3.03434	0.0835756	0.20482708	2.8502162	20	4 21.6	20.5
237934 2002 QC_{64}	16.2	X	293.52461	298.63998	34.61835	3.96173	0.1017399	0.21207932	2.7848630	20	6 7.6	19.9
237935 2002 QJ_{77}	16.2	X	85.45219	251.06039	316.68869	2.88653	0.1217175	0.21827386	2.7319216	20	8 15.6	20.1
237936 2002 QF_{84}	16.4	X	293.32391	309.24465	341.44055	1.31096	0.0340215	0.20560146	2.8430549	20	4 21.7	20.1
237937 2002 QC_{85}	16.3	X	351.16981	347.22116	282.36684	3.22221	0.0162732	0.21152296	2.7897441	20	6 14.5	19.9
237938 2002 QM_{92}	16.3	X	23.73521	274.15395	351.17922	8.69292	0.1321431	0.21658112	2.7461377	20	8 9.6	19.5
237939 2002 QG_{93}	16.4	X	225.80381	347.62602	358.16985	10.58602	0.0952935	0.20280360	2.8691435	20	4 2.2	20.7
237940 2002 QR_{99}	16.3	X	263.80036	232.84949	128.49053	7.25112	0.0694601	0.21054418	2.7983834	20	6 10.9	20.2
237941 2002 QN_{102}	17.3	X	144.83621	281.12762	354.61812	4.91545	0.2203279	0.23728107	2.5840088	20	—	—
237942 2002 QB_{116}	16.6	X	68.22862	22.28908	188.23681	6.19042	0.0227326	0.21415725	2.7668197	20	7 11.5	20.4
237943 2002 QM_{127}	16.4	X	243.31659	22.01297	5.76530	4.94464	0.0345933	0.21187607	2.7866437	20	6 23.9	20.3
237944 2002 RM_{11}	16.0	X	331.58017	139.33673	146.95573	6.35664	0.0294304	0.21019643	2.8014690	20	6 9.6	19.8
237945 2002 RR_{18}	16.1	X	54.07415	294.46516	358.12318	12.78614	0.2651926	0.22538431	2.6741571	20	11 11.1	20.3
237946 2002 RM_{29}	16.0	X	320.60127	108.58960	195.34632	7.76615	0.0775888	0.21077477	2.7963421	20	6 12.5	19.6
237947 2002 RQ_{31}	15.5	X	11.44286	145.56595	185.89806	8.49226	0.1472599	0.22224426	2.6992867	20	10 22.6	18.5
237948 2002 RU_{33}	15.5	X	128.44636	359.64462	331.29259	10.27892	0.1012906	0.18445565	3.0563851	20	—	—
237949 2002 RU_{36}	16.2	X	6.68345	171.63316	178.38432	12.16066	0.1981191	0.22401870	2.6850139	20	11 18.1	19.3
237950 2002 RO_{45}	15.9	X	281.40507	239.54773	96.29928	4.27238	0.1052055	0.20877744	2.8141484	20	5 25.6	19.6
237951 2002 RD_{46}	16.2	X	100.09906	213.29297	108.99567	4.11770	0.1455333	0.23499039	2.6007742	20	—	—
237952 2002 RQ_{60}	16.2	X	357.75891	114.23639	224.13492	5.24312	0.2258176	0.22114302	2.7082405	20	10 14.8	18.7
237953 2002 RS_{69}	16.1	X	333.39584	321.32746	354.72453	8.82892	0.3036904	0.21612518	2.7499986	20	6 30.3	18.3
237954 2002 RJ_{76}	16.2	X	330.79424	127.01668	158.44473	5.10732	0.0808309	0.20968612	2.8060125	20	6 3.1	19.6
237955 2002 RW_{80}	16.0	X	304.60028	342.31316	356.53880	9.53302	0.1625573	0.21226243	2.7832612	20	6 23.9	19.5
237956 2002 RF_{82}	15.0	X	90.47547	336.72762	347.28676	8.75340	0.0724645	0.17623004	3.1507656	20	12 30.6	19.8
237957 2002 RQ_{89}	15.7	X	122.72302	208.97291	159.45412	9.43479	0.0912466	0.18852876	3.0122035	20	1 15.8	20.1
237958 2002 RO_{109}	15.0	X	125.17153	339.39416	328.61258	13.67859	0.0589324	0.17957186	3.1115529	20	—	—
237959 2002 RA_{111}	15.7	X	17.22563	296.12569	4.58266	9.95086	0.2715111	0.21945109	2.7221427	20	10 6.1	18.5
237960 2002 RF_{124}	15.2	X	317.91703	280.76900	93.38097	10.41757	0.1740963	0.21911580	2.7249189	20	9 13.9	18.1
237961 2002 RM_{140}	15.8	X	4.18592	289.21540	28.78213	12.76628	0.1989827	0.21997138	2.7178486	20	9 29.4	18.5
237962 2002 RN_{148}	15.7	X	18.03651	81.97324	352.75005	11.08533	0.1210163	0.18012337	3.1051983	20	—	—
237963 2002 RC_{158}	15.1	X	273.98178	335.82861	187.81420	11.93990	0.1533770	0.17893503	3.1189313	20	—	—
237964 2002 RT_{161}	15.6	X	50.85970	236.52786	3.06062	8.26723	0.1445544	0.21597211	2.7512978	20	8 18.9	19.2
237965 2002 RV_{163}	15.9	X	122.00999	252.76618	170.82495	5.26865	0.1018320	0.19567428	2.9384178	20	3 23.7	20.0
237966 2002 RC_{165}	16.5	X	306.30095	129.83062	176.08249	5.29451	0.1110158	0.20873120	2.8145641	20	5 20.4	20.2
237967 2002 RB_{174}	15.9	X	1.39945	36.52253	250.51979	3.53073	0.0843429	0.21444669	2.7643296	20	7 24.7	19.2
237968 2002 RF_{176}	16.3	X	235.97378	124.08354	245.71936	4.86735	0.0881005	0.20591491	2.8401690	20	5 15.6	20.4
237969 2002 RA_{197}	15.4	X	263.07799	310.25272	24.95446	13.42939	0.1036786	0.20564879	2.8426187	20	4 29.1	19.6
237970 2002 RW_{207}	16.7	X	30.54984	185.49350	93.80457	3.13583	0.1955481	0.21988357	2.7185721	20	9 19.3	19.8
237971 2002 RY_{207}	15.8	X	122.61083	18.49614	16.74212	5.55201	0.2016122	0.19133720	2.9826556	20	3 3.1	20.3
237972 2002 RN_{218}	15.6	X	181.47459	286.63000	125.22565	6.59445	0.0583079	0.20409382	2.8570389	20	5 12.1	19.9
237973 2002 RN_{219}	16.1	X	252.61337	220.36156	128.14267	2.97308	0.0890190	0.20721487	2.8282780	20	5 8.8	20.2
237974 2002 RD_{225}	16.3	X	33.86737	32.18395	241.70868	3.98552	0.2488396	0.22030896	2.7150715	20	9 22.2	19.5
237975 2002 RM_{227}	16.3	X	148.67220	18.79887	345.11092	5.68396	0.1813319	0.19168161	2.9790817	20	2 16.9	21.1
237976 2002 RX_{227}	15.8	X	57.06950	182.69527	92.48227	10.28426	0.1474798	0.22324788	2.6911908	20	10 17.5	19.7
237977 2002 RE_{237}	16.2	X	289.83575	309.94471	19.64449	5.57404	0.0245717	0.20938802	2.8086751	20	6 8.7	20.1
237978 2002 RG_{244}	16.3	X	166.46145	207.57389	161.09455	2.28436	0.1203182	0.19683801	2.9268249	20	3 4.6	20.8
237979 2002 RP_{250}	15.9	X	261.87294	332.59647	3.86128	13.68880	0.1057076	0.20703086	2.8299537	20	4 26.4	20.1
237980 2002 RV_{257}	16.5	X	61.20532	265.41782	165.32945	0.70341	0.1472904	0.18774397	3.0205919	20	1 19.5	20.1
237981 2002 RG_{266}	16.3	X	222.54435	287.77514	118.91826	5.46374	0.0261089	0.21106123	2.7938113	20	6 23.4	20.1
237982 2002 RG_{271}	16.5	X	148.61035	202.78101	190.61379	1.67875	0.1041195	0.19708703	2.9243590	20	3 14.9	20.8
237983 2002 SH_{2}	15.6	X	336.76317	325.53759	92.40830	3.12311	0.1437044	0.17064944	3.2190877	20	12 1.3	19.3
237984 2002 SN_{16}	14.5	X	177.91459	270.10523	337.27852	20.84176	0.1029830	0.17618487	3.1513040	20	12 31.5	19.7
237985 2002 SC_{21}	15.9	X	28.84822	79.56769	14.71697	16.26574	0.2173532	0.18183008	3.0857369	20	—	—
237986 2002 SZ_{25}	15.4	X	11.69989	268.18761	44.57757	7.95247	0.2557155	0.21948295	2.7218792	20	10 13.6	18.1
237987 2002 SY_{27}	15.8	X	0.51359	68.72359	12.41202	13.11035	0.2916489	0.17459381	3.1704202	20	—	—
237988 2002 SM_{34}	16.2	X	24.16882	157.46331	142.78887	5.98629	0.2000236	0.22041961	2.7141628	20	10 9.4	19.3
237989 2002 SN_{46}	15.2	X	28.46520	224.24363	203.59156	17.61654	0.2028708	0.17709670	3.1404779	20	—	—
237990 2002 SR_{46}	15.8	X	18.62368	272.96012	53.70517	5.82977	0.2610927	0.22005655	2.7171473	20	11 12.9	18.9
237991 2002 SV_{51}	15.2	X	104.32298	290.86651	131.34956	11.06566	0.1150790	0.19138131	2.9821972	20	3 5.5	19.4
237992 2002 SB_{52}	15.5	X	190.29311	5.03140	41.01131	13.59564	0.0892260	0.20246214	2.8723686	20	5 10.8	20.0
237993 2002 SB_{55}	15.7	X	262.17384	165.70298	205.63858	8.40052	0.1609720	0.20958368	2.8069268	20	6 8.6	19.9
237994 2002 SU_{65}	16.0	X	25.69010	180.24772	83.26439	5.81387	0.0741716	0.21550870	2.7552405	20	8 1.5	19.4
237995 2002 SX_{65}	16.3	X	300.58275	241.61173	89.87310	5.45708	0.0747716	0.21191724	2.7862828	20	6 20.1	19.6
237996 2002 SR_{73}	15.6	X	90.68670	251.23821	164.76922	10.35516	0.1926054	0.18978335	2.9989138	20	2 17.9	19.7
237997 2002 TY_{18}	15.5	X	100.19234	138.51877	196.75185	10.50033	0.1948485	0.17928874	3.1148278	20	—	—
237998 2002 TZ_{31}	14.9	X	329.38325	87.96452	30.64923	26.34065	0.2606792	0.17221168	3.1995898	20	—	—
237999 2002 TF_{46}	16.1	X	319.09559	300.04768	21.12691	6.09601	0.1550711	0.21236964	2.7823244	20	6 24.8	19.3
238000 2002 TD_{61}	15.3	X	120.49847	37.51803	273.80370	8.30904	0.1240492	0.17871935	3.1214401	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238001 2002 TC_{105}	16.2	X	189.44996	137.03591	243.88380	2.81672	0.1382819	0.19788295	2.9165122	20	4 9.2	21.0
238002 2002 TT_{111}	16.1	X	333.10955	278.06066	60.47521	4.18691	0.2039173	0.21733845	2.7397547	20	8 17.7	18.6
238003 2002 TP_{124}	16.1	X	36.20881	220.36474	82.54737	4.13692	0.1942141	0.22348183	2.6893123	20	10 29.6	19.4
238004 2002 TE_{140}	15.9	X	293.95176	300.69549	358.02128	1.35122	0.0706830	0.20299720	2.8673190	20	4 27.8	19.8
238005 2002 TT_{140}	15.9	X	243.11760	309.16852	8.02598	2.59779	0.0990109	0.19762741	2.9190258	20	3 18.6	20.3
238006 2002 TU_{153}	15.6	X	223.22858	208.79518	206.40808	14.25875	0.0400966	0.21199179	2.7856295	20	7 1.9	19.8
238007 2002 TH_{165}	15.7	X	347.55748	247.24332	87.00373	8.50497	0.2549703	0.21774663	2.7363297	20	9 22.2	18.0
238008 2002 TD_{212}	15.0	X	73.75547	179.48831	133.46153	20.75221	0.1226982	0.17088330	3.2161500	20	12 7.7	20.1
238009 2002 TX_{212}	15.7	X	8.07830	268.92329	62.67019	13.54930	0.1623985	0.22078720	2.7111495	20	10 22.7	18.8
238010 2002 TQ_{251}	17.4	X	101.63094	265.85658	124.82459	3.40541	0.1325347	0.29599671	2.2298627	20	1 3.4	19.5
238011 2002 TE_{262}	16.0	X	70.88593	44.60577	22.53378	12.60084	0.2035768	0.18348023	3.0672078	20	2 13.5	20.0
238012 2002 TV_{304}	16.0	X	20.07801	209.93089	52.18702	8.67226	0.1823628	0.21163220	2.7887840	20	8 5.0	19.1
238013 2002 TF_{314}	15.2	X	228.66763	163.83712	149.34597	12.21961	0.0985808	0.19300049	2.9654944	20	2 28.8	19.8
238014 2002 TA_{320}	16.4	X	197.22180	126.11178	270.99872	0.95927	0.0746269	0.20315875	2.8657988	20	5 8.2	20.7
238015 2002 TK_{355}	16.9	X	7.60085	100.34645	200.67462	8.27415	0.1485330	0.21751119	2.7383039	20	8 28.5	20.1
238016 2002 TJ_{381}	16.1	X	54.87959	227.38309	202.95558	3.95650	0.1088046	0.18409192	3.0604096	20	1 5.6	19.9
238017 2002 UC_{18}	15.8	X	57.78929	245.31627	184.44237	5.78199	0.1811840	0.18155083	3.0889003	20	1 16.9	19.4
238018 2002 UL_{29}	15.1	X	229.12436	316.57112	74.28073	17.31559	0.2490248	0.20232874	2.8736310	20	5 23.6	19.9
238019 2002 UV_{29}	16.4	X	29.12812	51.16744	204.86440	1.59207	0.1684175	0.21047639	2.7989843	20	8 6.7	19.6
238020 2002 UY_{58}	15.9	X	323.81413	133.86891	79.26845	12.13081	0.1109052	0.19072510	2.9890337	20	2 19.6	20.0
238021 2002 UF_{72}	15.8	X	74.96767	95.83019	33.82424	11.88243	0.0595474	0.19319434	2.9635103	20	4 12.7	19.7
238022 2002 VE_{5}	16.1	X	345.47915	69.53786	65.45238	2.28533	0.1252058	0.17763964	3.1340755	20	—	—
238023 2002 VT_{9}	17.1	X	28.15017	272.62714	154.58233	6.56857	0.2614035	0.28618505	2.2805421	20	—	—
238024 2002 VE_{22}	17.7	X	41.62363	47.65105	15.61528	1.48154	0.1936344	0.28899592	2.2657305	20	—	—
238025 2002 VR_{23}	15.7	X	26.55899	21.03165	47.82930	1.92132	0.1926310	0.17426688	3.1743841	20	—	—
238026 2002 VA_{38}	14.9	X	73.86433	4.10362	58.55228	21.70631	0.1112075	0.18350959	3.0668806	20	1 29.7	19.3
238027 2002 VS_{49}	15.1	X	159.87797	274.54475	85.02934	13.41812	0.1964474	0.18739484	3.0243424	20	2 27.3	20.3
238028 2002 VH_{93}	15.7	X	79.92626	288.41227	93.88817	4.78069	0.1781772	0.17816696	3.1278885	20	—	—
238029 2002 VO_{104}	14.7	X	137.53548	301.96832	50.10580	23.32748	0.0476756	0.18022888	3.1039863	20	1 11.1	19.6
238030 2002 VH_{126}	16.9	X	19.77557	60.24944	33.66015	8.34369	0.0927650	0.28850802	2.2682841	20	—	—
238031 2002 WF_{4}	15.7	X	115.42680	179.09311	227.41874	8.30522	0.2033804	0.18505512	3.0497809	20	3 5.1	20.4
238032 2002 WZ_{8}	17.3	X	162.81847	99.42590	7.43475	5.49226	0.0941688	0.31367977	2.1452523	20	7 3.6	20.2
238033 2002 WA_{27}	16.3	X	47.95438	31.60518	16.99898	0.81722	0.1631995	0.17529949	3.1619060	20	—	—
238034 2002 WB_{30}	16.1	X	271.01128	316.85127	359.20537	4.42267	0.0935424	0.19809272	2.9144529	20	4 16.9	20.3
238035 2002 XS_{44}	15.7	X	350.76481	171.40971	225.04203	11.56266	0.1076132	0.22140891	2.7060718	20	12 9.4	18.9
238036 2002 XO_{48}	17.3	X	87.55308	275.86668	97.53092	3.54111	0.1879924	0.28928923	2.2641987	20	—	—
238037 2002 XO_{70}	15.0	X	346.26573	46.24873	76.85296	17.79127	0.1226069	0.17195481	3.2027754	20	—	—
238038 2002 XX_{76}	16.0	X	134.87305	355.00691	29.19845	4.93893	0.2836079	0.18641426	3.0349390	20	3 8.9	21.1
238039 2002 XG_{78}	16.2	X	304.47603	346.26659	72.72511	5.35288	0.1989205	0.21394192	2.7686759	20	10 14.9	19.0
238040 2002 XG_{119}	15.3	X	122.55905	228.20057	116.18203	7.26341	0.1035888	0.17685004	3.1433973	20	—	—
238041 2002 YS_{33}	17.0	X	94.58468	162.94945	306.18347	5.47342	0.0837076	0.29770448	2.2213268	20	4 3.4	19.5
238042 2003 AF_{5}	15.7	X	62.81849	350.47219	101.35660	19.41508	0.1124209	0.17822351	3.1272269	20	2 19.6	20.0
238043 2003 AO_{28}	17.2	X	167.62611	322.77353	131.05982	4.70958	0.0997147	0.30697652	2.1763694	20	6 19.9	20.3
238044 2003 AF_{33}	17.9	X	96.97985	62.95712	48.34677	1.37590	0.1374314	0.29835144	2.2181145	20	4 22.7	20.2
238045 2003 AE_{50}	15.4	X	103.99234	326.76296	100.19751	16.10959	0.1038146	0.18062116	3.0994904	20	3 15.1	20.1
238046 2003 BR_{19}	16.8	X	20.53944	126.88540	80.96985	7.56967	0.0270944	0.29836815	2.2180317	20	5 2.7	19.2
238047 2003 BN_{20}	17.0	X	70.14896	139.88533	352.78634	5.61552	0.1029305	0.29545966	2.2325640	20	4 5.1	19.2
238048 2003 BH_{37}	17.1	X	67.47957	346.11944	151.68098	6.74943	0.0903311	0.29263028	2.2469317	20	4 10.9	19.5
238049 2003 BP_{40}	16.7	X	92.45868	61.55632	318.52266	6.36264	0.1760013	0.28497931	2.2869702	20	—	—
238050 2003 BA_{41}	17.2	X	9.54748	112.13786	144.11754	4.50298	0.0864797	0.30513270	2.1851280	20	6 29.9	19.2
238051 2003 BT_{51}	16.9	X	343.66458	146.66736	284.30122	4.31209	0.2009368	0.27527452	2.3404105	20	—	—
238052 2003 BZ_{52}	17.1	X	14.66052	157.03128	297.68544	2.93448	0.1228051	0.28208402	2.3025923	20	—	—
238053 2003 BQ_{56}	16.9	X	349.65130	101.32297	138.62094	5.34817	0.1368328	0.29571972	2.2312549	20	4 23.5	18.7
238054 2003 BK_{71}	17.1	X	290.62906	13.76599	153.67048	5.26506	0.1606208	0.27588849	2.3369370	20	—	—
238055 2003 BY_{72}	17.2	X	335.47372	318.27723	168.23008	7.79547	0.1499011	0.27966686	2.3158408	20	—	—
238056 2003 BD_{74}	15.3	X	40.80925	166.44369	355.69014	14.17905	0.0540847	0.18146164	3.0899124	20	4 2.6	19.4
238057 2003 BD_{77}	17.4	X	319.79736	99.34659	24.47111	2.80038	0.1726354	0.27787256	2.3257995	20	—	—
238058 2003 CC_{2}	16.6	X	55.65260	337.55344	114.01666	7.27855	0.0733528	0.28687165	2.2769018	20	1 9.9	18.9
238059 2003 CT_{3}	16.9	X	319.66079	303.98076	159.95763	9.80347	0.1764275	0.27417334	2.3466730	20	—	—
238060 2003 CG_{7}	17.5	X	39.98423	63.35918	55.24347	3.55387	0.1814575	0.28794465	2.2712418	20	1 25.3	18.9
238061 2003 CG_{17}	16.7	X	209.74677	117.64672	92.33155	5.14255	0.1791743	0.26747328	2.3856997	20	12 27.9	19.7
238062 2003 DP_{17}	17.0	X	242.48331	234.01830	334.39866	2.31701	0.1947360	0.27167336	2.3610473	20	—	—
238063 2003 EG	16.4	X	129.93719	326.90513	359.04823	31.78013	0.7137260	0.43006666	1.7382499	20	1 29.4	19.8
238064 2003 EA_{16}	16.8	X	106.42408	12.88421	81.25174	5.75478	0.0922938	0.29410449	2.2394168	20	4 7.2	19.5
238065 2003 ES_{22}	17.1	X	359.20151	52.34893	102.91249	3.02362	0.1410939	0.28407902	2.2917994	20	—	—
238066 2003 EX_{32}	16.9	X	295.60185	229.75682	355.33913	5.28372	0.1092383	0.28284811	2.2984437	20	1 11.1	20.0
238067 2003 EH_{33}	16.8	X	269.91069	117.00057	160.90448	4.98123	0.1720695	0.28523920	2.2855808	20	2 10.4	20.2
238068 2003 EK_{39}	16.2	X	162.73940	122.37249	118.13534	15.59724	0.1365983	0.26383409	2.4075877	20	12 21.6	19.9
238069 2003 EQ_{40}	16.2	X	271.05272	132.70588	103.75901	24.29721	0.1853744	0.27657974	2.3330416	20	—	—
238070 2003 EF_{57}	16.4	X	7.31906	53.82498	154.85744	23.47084	0.1966676	0.28972898	2.2619071	20	4 12.1	18.5
238071 2003 FM_{1}	16.2	X	33.32251	112.15716	14.60352	22.20712	0.2408548	0.28642302	2.2792787	20	2 4.4	18.2
238072 2003 FW_{7}	16.3	X	257.45545	247.82945	42.56872	8.74189	0.2939338	0.28234920	2.3011504	20	2 10.1	20.4
238073 2003 FU_{18}	16.8	X	196.74819	58.25119	189.69462	2.46735	0.2001196	0.26777917	2.3838826	20	—	—
238074 2003 FG_{32}	17.3	X	334.86068	29.18394	169.72736	5.53557	0.1081468	0.28457574	2.2891318	20	1 26.5	19.8
238075 2003 FL_{57}	16.8	X	196.66744	99.37685	146.41069	2.89905	0.1897806	0.26833033	2.3806171	20	—	—
238076 2003 FA_{61}	17.1	X	322.02752	84.44739	106.85559	3.10140	0.1042002	0.28164892	2.3049631	20	—	—
238077 2003 FC_{69}	16.9	X	5.12070	101.91012	59.88242	6.57797	0.0499833	0.28408434	2.2917708	20	2 1.4	19.5
238078 2003 FZ_{81}	17.1	X	314.89841	64.38259	135.68819	3.63953	0.1536218	0.28015183	2.3131674	20	—	—
238079 2003 FE_{90}	15.1	X	290.70605	270.66650	338.03369	14.23030	0.0500842	0.16970711	3.2309930	20	2 27.2	19.7
238080 2003 FE_{94}	17.2	X	295.83473	152.04441	54.02558	8.33631	0.1592437	0.27740370	2.3284194	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238081 2003 FC_{95}	17.9	X	289.92571	202.73118	357.64295	6.79788	0.1613519	0.27705432	2.3303765	20	—	—
238082 2003 FS_{98}	16.3	X	205.89726	167.15284	19.23230	15.27790	0.0304653	0.26258003	2.4152472	20	12 9.1	19.7
238083 2003 FT_{98}	16.6	X	269.93834	193.36158	72.90483	5.63711	0.1431131	0.28177596	2.3042703	20	2 1.1	19.9
238084 2003 FE_{99}	17.1	X	249.18846	56.27214	145.69008	2.96682	0.1562543	0.27109487	2.3644049	20	—	—
238085 2003 FU_{111}	16.6	X	243.68888	96.93799	204.54733	6.43065	0.1681395	0.28342782	2.2953085	20	2 13.5	20.2
238086 2003 FE_{115}	16.4	X	14.49570	74.67374	34.93707	23.15082	0.1971021	0.27874209	2.3209601	20	—	—
238087 2003 FF_{123}	17.6	X	329.74515	67.16857	130.35738	1.88877	0.1129358	0.28465574	2.2887029	20	1 17.2	20.1
238088 2003 GY_{26}	16.7	X	314.13881	213.11742	24.88186	7.73965	0.1506089	0.28748004	2.2736882	20	2 17.2	19.4
238089 2003 GA_{35}	17.0	X	284.12971	129.90661	136.51042	6.04914	0.1506625	0.28358195	2.2944768	20	2 14.6	20.0
238090 2003 GX_{44}	16.6	X	264.00011	273.70057	351.92815	7.06375	0.0993482	0.28142513	2.3061850	20	1 29.5	19.8
238091 2003 GP_{49}	17.2	X	354.78064	11.83220	149.63185	5.78419	0.0711980	0.28079572	2.3096299	20	1 11.3	19.9
238092 2003 GT_{49}	17.6	X	311.60014	112.81701	88.87432	3.46334	0.1542463	0.27955510	2.3164580	20	—	—
238093 2003 HK_{14}	16.5	X	248.31462	41.21240	174.96112	13.11262	0.1530577	0.27024468	2.3693612	20	—	—
238094 2003 HH_{17}	16.9	X	338.76517	91.08248	93.32523	6.06970	0.1037970	0.28185190	2.3038564	20	1 14.8	19.3
238095 2003 HH_{21}	17.0	X	305.45951	136.11833	70.73590	3.09450	0.1411629	0.27846917	2.3224764	20	—	—
238096 2003 HJ_{25}	18.0	X	344.26851	103.54290	56.42634	3.38790	0.1358702	0.27954622	2.3165071	20	—	—
238097 2003 HZ_{26}	17.6	X	308.92747	7.89109	158.23067	3.52815	0.1719891	0.27405488	2.3473491	20	—	—
238098 2003 HN_{29}	16.8	X	300.46081	175.77317	26.79911	2.70861	0.1327743	0.27647904	2.3336080	20	—	—
238099 2003 HZ_{29}	17.0	X	336.29145	297.05035	237.73404	4.26731	0.2182721	0.27942564	2.3171735	20	—	—
238100 2003 HU_{35}	16.5	X	249.64977	168.89129	136.32378	5.87650	0.1354050	0.28336605	2.2956420	20	2 29.7	19.9
238101 2003 HD_{36}	17.3	X	352.76387	65.99735	90.35980	3.72409	0.1542924	0.28022399	2.3127703	20	—	—
238102 2003 HL_{37}	16.4	X	326.50491	0.78808	220.69186	7.16509	0.0709084	0.28225952	2.3016378	20	2 18.8	19.3
238103 2003 HH_{40}	16.0	X	194.71138	247.23531	51.82500	23.12824	0.2840874	0.26863081	2.3788415	20	1 5.5	20.6
238104 2003 HT_{50}	16.7	X	256.87345	128.80827	151.48208	7.70266	0.2669685	0.27635011	2.3343338	20	1 26.4	20.7
238105 2003 HX_{50}	16.5	X	273.07685	66.32670	134.73787	6.37959	0.1987383	0.27082051	2.3660015	20	—	—
238106 2003 HZ_{57}	17.2	X	283.03790	150.55673	61.92480	4.19317	0.0850286	0.27572856	2.3378405	20	—	—
238107 2003 JU_{3}	16.5	X	165.10167	104.02494	161.98805	8.44954	0.2108738	0.26062926	2.4272841	20	—	—
238108 2003 JN_{7}	17.0	X	313.13073	69.53410	140.15910	4.59041	0.1879206	0.28013779	2.3132447	20	—	—
238109 2003 JZ_{13}	15.7	X	126.76821	346.34435	213.12522	14.86670	0.0527450	0.24516014	2.5283439	20	9 14.6	19.5
238110 2003 KA_{18}	17.3	X	273.12903	73.54344	189.59761	5.42284	0.1932644	0.27745356	2.3281405	20	1 24.2	20.8
238111 2003 KJ_{28}	16.7	X	273.11530	54.74088	168.68126	8.24936	0.0784793	0.27411710	2.3469939	20	—	—
238112 2003 KL_{36}	16.7	X	225.47759	186.20664	91.00429	6.46421	0.1861296	0.27183801	2.3600938	20	1 1.7	20.6
238113 2003 KE_{37}	17.2	X	290.44424	86.40935	147.03631	5.64913	0.1304712	0.27747044	2.3280460	20	1 12.4	20.3
238114 2003 MX	14.5	X	75.84855	99.72881	140.58940	11.89291	0.1642865	0.12587112	3.9432288	20	9 12.3	20.2
238115 2003 MM_{1}	15.9	X	9.99850	176.80151	165.22135	20.28287	0.1681409	0.24364632	2.5388057	20	11 15.8	19.2
238116 2003 OE	16.7	X	282.32475	356.17637	57.95302	3.45804	0.1395850	0.23737942	2.5832950	20	9 10.6	19.6
238117 2003 OR_{4}	16.5	X	9.10992	154.06397	199.59534	3.85204	0.2597777	0.24053265	2.5606685	20	12 10.1	19.3
238118 2003 OF_{18}	17.2	X	183.38747	132.14795	198.04658	4.54279	0.2374971	0.26575821	2.3959528	20	1 31.4	21.4
238119 2003 OK_{19}	15.2	X	227.82919	205.35363	153.85117	26.12155	0.1482310	0.21867537	2.7285765	20	4 24.7	19.9
238120 2003 OV_{20}	16.3	X	130.05905	271.58852	79.60920	7.39816	0.1366304	0.26086760	2.4258054	20	—	—
238121 2003 OO_{23}	16.0	X	232.48567	73.95694	270.17116	3.75435	0.0873148	0.21707617	2.7419611	20	4 7.1	20.1
238122 2003 OO_{27}	17.2	X	152.44718	68.15877	252.77246	1.16406	0.2143608	0.25940368	2.4349233	20	—	—
238123 2003 OU_{28}	16.1	X	75.78651	339.17498	342.86682	5.53668	0.0592898	0.24629804	2.5205506	20	12 26.5	19.7
238124 2003 OY_{32}	15.8	X	226.29996	255.34046	160.46593	22.15758	0.0477991	0.22597543	2.6694917	20	7 8.3	20.0
238125 2003 PQ_{2}	16.1	X	48.34681	210.06262	128.06435	6.10952	0.2119860	0.24528268	2.5275017	20	—	—
238126 2003 QW	16.2	X	34.68116	331.44195	289.11489	4.22480	0.1231056	0.23150959	2.6267781	20	8 17.5	19.4
238127 2003 QB_{5}	17.3	X	138.89117	66.11995	235.64833	1.65902	0.1788101	0.25420011	2.4680402	20	—	—
238128 2003 QH_{13}	15.9	X	201.94070	15.71180	0.77501	9.25977	0.3052466	0.21238153	2.7822206	20	4 10.9	21.2
238129 Bernardwolfe	16.6	X	119.44405	107.00525	217.63407	5.27950	0.1251631	0.25384162	2.4703633	20	—	—
238130 2003 QQ_{33}	16.5	X	135.84747	174.27109	154.32264	8.31558	0.1323453	0.25780971	2.4449494	20	—	—
238131 2003 QE_{55}	16.7	X	203.93581	173.42073	110.89218	3.48385	0.2170737	0.26245027	2.4160432	20	—	—
238132 2003 QW_{58}	17.3	X	160.80823	254.87049	47.07403	3.91710	0.1996079	0.25731558	2.4480785	20	—	—
238133 2003 QA_{60}	16.0	X	52.69888	152.61802	152.06651	13.81063	0.1810124	0.23876583	2.5732853	20	11 24.5	19.9
238134 2003 QG_{66}	15.8	X	343.54637	291.90194	336.15519	10.80790	0.1647654	0.22451880	2.6810252	20	5 19.8	18.8
238135 2003 QL_{71}	17.5	X	129.13970	203.34339	201.21879	19.93622	0.0881569	0.38346047	1.8763866	20	2 4.8	19.8
238136 2003 QQ_{72}	15.6	X	245.03309	272.15309	175.37544	21.84039	0.0880467	0.23250447	2.6192795	20	9 7.3	19.3
238137 2003 QO_{103}	17.0	X	133.28790	195.90071	129.53902	7.01693	0.2014339	0.25463535	2.4652270	20	—	—
238138 2003 QP_{111}	15.4	X	29.71729	342.06509	36.81144	13.42174	0.3167568	0.18414851	3.0597826	20	—	—
238139 2003 RX	17.2	X	177.91714	127.41689	152.83324	22.85610	0.0921466	0.37176545	1.9155347	20	—	—
238140 2003 RT_{7}	16.3	X	173.14619	253.84937	59.28466	10.37953	0.2551677	0.26102666	2.4248198	20	1 6.4	20.4
238141 2003 RN_{13}	16.2	X	260.70886	179.00681	204.32245	5.16890	0.0484559	0.22431935	2.6826142	20	7 8.5	19.9
238142 2003 RB_{24}	15.6	X	272.85622	21.23170	286.31878	6.63063	0.0707376	0.21543733	2.7558490	20	4 8.1	19.6
238143 2003 SP_{18}	16.6	X	82.37050	291.65902	191.68867	3.62187	0.0150293	0.21204378	2.7851741	20	4 5.2	20.3
238144 2003 SB_{20}	15.5	X	134.15179	74.80158	348.37963	7.42112	0.0354432	0.21033895	2.8002034	20	3 26.2	19.4
238145 2003 SB_{31}	16.3	X	202.96373	184.15740	207.10987	3.48528	0.0826527	0.21233171	2.7826557	20	5 7.2	20.5
238146 2003 SQ_{36}	16.1	X	276.27238	209.52754	195.83984	6.66361	0.2370141	0.22596543	2.6695704	20	7 29.2	19.8
238147 2003 SS_{38}	15.9	X	130.97726	321.45525	275.82003	5.15209	0.0529696	0.23698837	2.5861360	20	11 8.9	19.6
238148 2003 SQ_{39}	16.7	X	187.67962	94.77753	220.63421	6.39027	0.2474382	0.26185014	2.4197333	20	1 17.8	21.0
238149 2003 SC_{41}	15.8	X	327.42574	229.04359	189.68447	21.37756	0.0675411	0.23772171	2.5808147	20	12 5.5	19.3
238150 2003 SD_{41}	16.2	X	191.93487	219.87064	191.18167	8.49717	0.2867257	0.21259732	2.7803375	20	5 18.3	21.3
238151 2003 SJ_{41}	16.3	X	68.39219	307.09693	8.09151	14.18698	0.1963101	0.24096167	2.5576282	20	12 22.1	20.5
238152 2003 SG_{42}	16.7	X	354.96211	146.69292	284.76500	17.28082	0.0939502	0.36225706	1.9489086	20	—	—
238153 2003 SY_{46}	15.7	X	286.84024	352.60339	354.77958	12.54366	0.2560966	0.22303900	2.6928708	20	5 19.9	19.7
238154 2003 ST_{50}	13.9	X	16.78506	180.40754	208.55796	8.54411	0.1866995	0.12539420	3.9532209	20	12 19.8	18.9
238155 2003 SW_{54}	15.3	X	48.33555	198.81376	218.99003	8.92414	0.1317835	0.19310253	2.9644496	20	—	—
238156 2003 SA_{56}	16.9	X	139.80233	96.13916	217.72411	4.31030	0.2003750	0.25424613	2.4677423	20	—	—
238157 2003 SC_{60}	17.0	X	71.41602	191.70726	129.36362	6.11803	0.2211178	0.24477968	2.5309631	20	—	—
238158 2003 SV_{72}	17.0	X	46.96007	264.84631	352.81422	6.05407	0.1517779	0.22890760	2.6466463	20	9 7.4	20.4
238159 2003 SN_{73}	15.8	X	227.51718	256.45140	178.65311	12.72734	0.0923893	0.22488397	2.6781222	20	7 28.1	19.9
238160 2003 SQ_{73}	16.0	X	268.54340	245.08063	189.99190	11.54304	0.0938292	0.23133746	2.6280810	20	9 21.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238161 2003 SD_{81}	16.8	X	53.00595	124.20060	170.12771	4.18113	0.0486503	0.23226637	2.6210692	20	10 19.9	20.1
238162 2003 SB_{86}	16.3	X	318.07182	338.19114	5.35729	13.84981	0.1695809	0.22547036	2.6734767	20	7 31.4	19.3
238163 2003 SG_{91}	16.1	X	215.80110	268.92536	127.37149	6.02590	0.1718519	0.21608756	2.7503178	20	5 23.3	20.6
238164 2003 SX_{121}	16.5	X	309.56842	166.27035	212.69459	3.49586	0.0946188	0.23208531	2.6224323	20	9 7.5	19.6
238165 2003 SY_{130}	17.2	X	69.87531	228.19383	211.53177	20.85352	0.0700911	0.37750149	1.8960812	20	—	—
238166 2003 SC_{134}	15.8	X	209.39601	192.63718	124.51316	6.73069	0.0690357	0.20521370	2.8466352	20	2 13.8	20.0
238167 2003 SX_{136}	17.7	X	166.33869	90.53258	188.72947	10.91978	0.1636760	0.25451624	2.4659961	20	—	—
238168 2003 SJ_{141}	15.5	X	236.21898	217.06206	232.98267	21.24066	0.0373107	0.22711930	2.6605210	20	8 28.7	19.7
238169 2003 SN_{148}	16.2	X	338.36793	340.16780	47.09311	14.44897	0.1789856	0.23601604	2.5932340	20	11 14.8	18.6
238170 2003 SK_{149}	15.5	X	50.54771	8.06851	24.00294	7.45763	0.1773399	0.18796064	3.0182701	20	—	—
238171 2003 SD_{150}	16.0	X	88.98956	146.30678	144.30214	15.36276	0.2059104	0.24309007	2.5426773	20	12 14.5	20.4
238172 2003 SH_{168}	17.0	X	175.22456	65.72141	228.32029	1.74553	0.2426688	0.25889131	2.4381349	20	—	—
238173 2003 SD_{175}	17.3	X	142.45358	99.91595	167.27323	2.35844	0.1450293	0.24726844	2.5139516	20	12 30.1	21.2
238174 2003 SF_{176}	16.6	X	59.49552	299.87659	8.89037	2.21183	0.0592353	0.23902318	2.5714378	20	11 17.3	19.9
238175 2003 SG_{203}	16.6	X	307.42233	55.48027	319.42696	1.32999	0.1486375	0.22980943	2.6397177	20	8 23.7	19.3
238176 2003 SS_{211}	16.5	X	128.49352	198.46113	117.69382	7.09368	0.1981274	0.25333534	2.4736535	20	—	—
238177 2003 SR_{215}	15.0	X	216.27092	123.34441	318.86737	24.48094	0.1070926	0.22293738	2.6936890	20	7 29.1	19.1
238178 2003 SP_{217}	16.7	X	186.34097	338.21739	122.18085	1.02305	0.1180724	0.21806658	2.7336525	20	7 15.7	20.9
238179 2003 SR_{219}	16.3	X	3.54343	142.04569	199.80204	11.28120	0.2086430	0.23222311	2.6213948	20	11 3.8	18.9
238180 2003 SW_{221}	16.2	X	268.32911	232.40413	160.81837	9.06925	0.1509129	0.22453859	2.6808678	20	7 16.2	19.9
238181 2003 SO_{237}	16.1	X	291.76694	214.38071	180.23361	4.36772	0.1232496	0.22725216	2.6594839	20	8 27.2	19.3
238182 2003 SW_{249}	15.7	X	270.71189	182.40381	208.25270	14.02931	0.0640998	0.22238889	2.6981162	20	7 26.3	19.6
238183 2003 SW_{253}	17.2	X	50.18543	284.59875	205.47631	20.58966	0.0663373	0.38061543	1.8857254	20	1 31.1	19.4
238184 2003 ST_{257}	15.9	X	333.50383	160.69630	172.25761	5.94881	0.1571338	0.22745568	2.6578973	20	8 10.2	18.4
238185 2003 SJ_{258}	16.2	X	237.77692	195.67181	200.51409	4.38963	0.1241766	0.21860559	2.7291571	20	6 17.2	20.3
238186 2003 SW_{267}	16.9	X	5.30863	140.85217	191.45091	3.51019	0.0629604	0.23242063	2.6199093	20	10 4.4	20.1
238187 2003 SC_{270}	15.6	X	285.51657	321.79345	54.05051	15.40143	0.1119608	0.22404408	2.6848111	20	7 28.3	19.3
238188 2003 SU_{279}	16.1	X	282.84679	79.41494	213.25637	3.79868	0.1026723	0.21347139	2.7727428	20	3 30.7	20.0
238189 2003 SH_{287}	16.8	X	109.20705	52.54757	189.83375	12.01587	0.0869329	0.23560289	2.5962647	20	10 26.3	20.6
238190 2003 SU_{293}	15.6	X	333.20470	330.33612	30.16317	18.15769	0.2014800	0.22812901	2.6526648	20	9 29.9	18.1
238191 2003 SM_{294}	16.0	X	282.11102	347.99383	54.59009	12.82400	0.2466987	0.22402492	2.6849642	20	8 8.2	19.6
238192 2003 SO_{319}	16.6	X	143.98170	219.44840	356.22187	11.87361	0.1227414	0.23787124	2.5797330	20	10 24.7	20.8
238193 2003 SB_{321}	16.5	X	63.97828	257.43995	72.95423	6.46307	0.1052862	0.24086720	2.5582969	20	12 26.8	20.2
238194 2003 SZ_{321}	16.7	X	99.67147	201.46130	46.65403	14.71522	0.1158009	0.23320394	2.6140394	20	10 26.1	20.6
238195 2003 SG_{327}	16.7	X	282.54911	354.54393	9.63133	6.29992	0.0317938	0.22370438	2.6875284	20	7 17.6	20.3
238196 2003 SD_{328}	17.5	X	92.81647	223.51674	194.51489	22.44852	0.0438640	0.37992884	1.8879966	20	—	—
238197 2003 ST_{361}	17.3	X	95.31429	265.93002	8.65577	1.52547	0.1315696	0.23767684	2.5811395	20	11 22.6	21.2
238198 2003 SZ_{396}	16.1	X	127.44773	52.36811	70.49213	12.03184	0.0979954	0.21308393	2.7761030	20	6 10.9	20.1
238199 2003 SH_{423}	17.0	X	41.48908	202.02377	112.02925	1.94448	0.1559748	0.23547973	2.5971699	20	11 15.9	20.5
238200 2003 TD_{8}	15.4	X	359.48867	236.00084	244.14021	12.67319	0.0840791	0.19210035	2.9747509	20	—	—
238201 2003 TE_{17}	15.8	X	165.45778	94.98487	17.68256	21.87715	0.0542135	0.21920316	2.7241949	20	7 14.5	20.2
238202 2003 TB_{56}	16.8	X	187.89875	279.91039	108.27451	5.42378	0.0841808	0.21013665	2.8020003	20	4 19.4	21.1
238203 2003 TY_{56}	16.2	X	281.35817	247.54478	121.97163	7.28002	0.0515116	0.22227366	2.6990487	20	7 18.4	19.8
238204 2003 TS_{58}	17.1	X	346.96895	309.09201	39.99048	5.12146	0.1050255	0.22905260	2.6455292	20	10 2.5	20.0
238205 2003 UJ_{13}	17.0	X	14.70121	23.00572	66.87697	23.10586	0.0868537	0.36763276	1.9298634	20	—	—
238206 2003 UK_{29}	16.3	X	203.81906	300.04555	85.86997	0.81313	0.1489143	0.21005825	2.8026975	20	4 29.1	20.9
238207 2003 UR_{31}	16.7	X	61.54898	120.11540	197.89311	9.89610	0.1390078	0.23919648	2.5701957	20	12 12.7	20.5
238208 2003 UB_{43}	16.2	X	71.40602	299.26525	280.72859	8.05695	0.0717763	0.22156201	2.7048251	20	8 4.9	19.9
238209 2003 UG_{48}	16.1	X	256.13460	213.05349	183.13675	7.51297	0.2081731	0.21986396	2.7187338	20	6 27.2	20.3
238210 2003 UO_{55}	15.7	X	76.49071	207.26010	260.86980	7.14690	0.1983524	0.19782673	2.9170647	20	4 2.4	19.6
238211 2003 UT_{67}	16.5	X	251.81721	13.03475	11.73820	3.08423	0.1031773	0.21932412	2.7231932	20	6 21.4	20.3
238212 2003 UC_{72}	15.8	X	150.07679	77.75810	48.94079	16.57411	0.0916653	0.21753030	2.7381435	20	7 12.8	20.2
238213 2003 UD_{76}	16.3	X	220.94624	18.91910	349.21640	3.98046	0.0854109	0.21255935	2.7806687	20	4 25.5	20.5
238214 2003 UZ_{81}	14.7	X	332.30916	245.29058	194.69772	26.57205	0.2319469	0.17888216	3.1195458	20	12 25.5	18.5
238215 2003 UP_{86}	16.2	X	12.25115	158.14926	194.94703	12.78982	0.1171901	0.23337118	2.6127904	20	11 20.9	19.4
238216 2003 UV_{86}	16.1	X	35.02858	172.70371	194.56319	11.76827	0.1235137	0.23873113	2.5735346	20	—	—
238217 2003 UW_{102}	16.4	X	160.00114	247.94310	188.79931	8.48052	0.2069402	0.20991924	2.8039346	20	5 24.3	21.2
238218 2003 UO_{103}	16.3	X	352.57640	159.63823	191.76369	13.19918	0.1678303	0.23108168	2.6300199	20	10 21.6	18.8
238219 2003 UQ_{110}	16.2	X	124.96138	88.40787	53.57963	8.17257	0.1709986	0.21167624	2.7883972	20	7 10.5	20.7
238220 2003 UE_{112}	16.1	X	30.83703	212.73660	157.63631	8.67651	0.2738644	0.18114130	3.0935542	20	—	—
238221 2003 UV_{118}	15.7	X	34.17266	257.31547	160.57698	17.59188	0.3062673	0.18568506	3.0428794	20	—	—
238222 2003 UJ_{137}	16.3	X	211.64133	18.22071	0.43517	3.78567	0.1141070	0.21245975	2.7815377	20	4 27.6	20.6
238223 2003 UX_{144}	16.3	X	48.79921	341.50004	343.77462	7.60064	0.2002224	0.23631395	2.5910541	20	12 13.8	20.1
238224 2003 UF_{148}	16.5	X	315.64007	290.64556	66.11286	4.29719	0.0936758	0.22513256	2.6761503	20	8 19.6	19.6
238225 2003 UA_{157}	15.8	X	223.79976	60.11956	51.53345	22.57971	0.0543981	0.22679746	2.6630374	20	9 30.8	19.9
238226 2003 UP_{161}	15.6	X	166.27325	45.06396	36.75783	9.53309	0.1316839	0.21124640	2.7921785	20	5 31.3	20.0
238227 2003 UB_{174}	16.7	X	0.25032	53.46522	288.94056	1.38835	0.2578805	0.23239993	2.6200649	20	11 4.1	19.1
238228 2003 UZ_{175}	16.2	X	23.20600	333.15359	69.00641	2.87888	0.2092164	0.18491592	3.0513113	20	—	—
238229 2003 UU_{178}	16.8	X	79.59105	84.53289	221.70648	3.94045	0.0835831	0.23893317	2.5720837	20	12 11.6	20.4
238230 2003 UL_{179}	15.9	X	3.47430	289.97814	124.71096	3.62324	0.1748069	0.18184737	3.0855413	20	—	—
238231 2003 UA_{188}	15.6	X	49.36783	264.19679	35.09733	27.09851	0.1466770	0.23175296	2.6249388	20	11 1.9	19.1
238232 2003 UC_{198}	15.8	X	348.84500	357.74880	81.31624	2.67397	0.1629788	0.18276688	3.0751836	20	—	—
238233 2003 UZ_{203}	15.9	X	8.64293	262.56066	36.11282	11.86674	0.0747204	0.22390029	2.6859605	20	8 30.3	19.4
238234 2003 UW_{204}	16.8	X	116.36235	279.08456	359.96600	3.37565	0.2096336	0.24221160	2.5488215	20	12 21.3	21.1
238235 2003 UT_{207}	16.3	X	37.37344	300.74202	71.68277	4.90580	0.1934899	0.23940479	2.5687046	20	—	—
238236 2003 US_{218}	15.9	X	271.82738	298.77722	76.81141	7.05136	0.0464645	0.21907479	2.7252590	20	7 14.7	19.5
238237 2003 UV_{220}	15.8	X	167.63835	127.55528	1.99404	13.14292	0.1111131	0.22175234	2.7032772	20	8 8.2	20.2
238238 2003 UA_{223}	17.1	X	155.80301	293.72154	43.20077	21.69337	0.1143804	0.37191496	1.9150213	20	—	—
238239 2003 UQ_{226}	16.3	X	227.01761	38.76533	30.12066	14.41154	0.1243691	0.21882424	2.7273388	20	7 21.6	20.6
238240 2003 UN_{229}	16.3	X	71.46160	301.67519	27.74494	14.61078	0.2073969	0.24113454	2.5564056	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238241 2003 UN_{246}	16.3	X	29.27715	135.00966	193.39983	3.85536	0.3167978	0.23462442	2.6034780	20	12 11.9	19.8
238242 2003 UD_{251}	15.6	X	15.37835	19.10811	35.95989	16.18550	0.0903687	0.18200026	3.0838131	20	—	—
238243 2003 UW_{254}	15.7	X	272.82302	169.89883	181.40042	9.36978	0.1458131	0.21883933	2.7272135	20	5 29.5	19.6
238244 2003 UE_{255}	17.0	X	99.80093	106.34679	190.41149	2.00569	0.1171773	0.24081074	2.5586967	20	12 24.0	20.9
238245 2003 UA_{261}	16.6	X	300.86320	154.09156	212.74316	3.53935	0.1134718	0.22479743	2.6788094	20	8 3.2	19.8
238246 2003 UE_{264}	16.7	X	45.38265	272.12427	75.34938	7.00730	0.2790799	0.23982914	2.5656737	20	—	—
238247 2003 UQ_{275}	16.2	X	286.91983	333.26575	17.86687	4.86463	0.1249906	0.21934296	2.7230373	20	6 19.2	19.8
238248 2003 UY_{276}	15.8	X	182.94567	218.66424	256.20088	6.37347	0.0265067	0.21991438	2.7183183	20	8 1.1	19.6
238249 2003 UD_{279}	16.3	X	262.38841	320.23489	74.64991	6.02276	0.1802281	0.21950088	2.7217310	20	7 7.4	20.2
238250 2003 UH_{294}	16.7	X	120.06273	286.40618	347.92293	6.86062	0.1510923	0.24330084	2.5412085	20	12 17.6	20.8
238251 2003 UN_{294}	16.3	X	178.68759	64.11418	6.56885	8.47206	0.0928758	0.21384795	2.7694869	20	5 28.9	20.7
238252 2003 UH_{309}	15.9	X	202.30717	242.36714	201.35467	8.99012	0.0873520	0.21692942	2.7431975	20	7 11.0	20.1
238253 2003 UU_{354}	16.8	X	120.22859	99.34631	155.94392	3.30501	0.1481757	0.23988556	2.5652713	20	11 25.2	20.9
238254 2003 UF_{362}	16.3	X	73.86536	102.26092	131.77046	7.36220	0.0922934	0.22552813	2.6730202	20	9 3.3	19.9
238255 2003 VU_{3}	16.1	X	46.34886	279.02068	69.10362	3.91419	0.2265359	0.23738118	2.5832822	20	—	—
238256 2003 VK_{5}	15.3	X	309.58926	257.59297	243.49031	11.92698	0.0938610	0.18305025	3.0720091	20	—	—
238257 2003 WO	16.3	X	267.30662	54.97030	69.32616	12.40096	0.1357196	0.23220474	2.6215330	20	11 21.4	19.3
238258 2003 WG_{2}	16.2	X	115.98826	220.84309	35.92937	5.33603	0.1592555	0.23350084	2.6118230	20	11 21.1	20.4
238259 2003 WG_{3}	15.7	X	75.22986	216.40469	57.10958	9.82580	0.1955735	0.23190841	2.6237657	20	11 7.7	19.6
238260 2003 WR_{4}	15.3	X	21.92727	6.18493	25.02342	14.20054	0.1308262	0.18009259	3.1055521	20	—	—
238261 2003 WP_{9}	16.0	X	40.81300	110.18006	322.83777	7.96661	0.0747491	0.18822406	3.0154534	20	—	—
238262 2003 WC_{22}	15.2	X	15.14554	180.24709	267.59740	16.11554	0.0746150	0.18507655	3.0495455	20	—	—
238263 2003 WA_{23}	16.1	X	36.51573	252.03839	64.67341	10.80280	0.0828586	0.22966153	2.6408509	20	11 2.5	19.5
238264 2003 WF_{32}	16.2	X	68.90636	273.86874	45.94814	11.18169	0.1404978	0.23656253	2.5892386	20	12 21.3	20.1
238265 2003 WK_{45}	16.0	X	325.88730	317.97044	51.70439	10.54740	0.2524093	0.22738940	2.6584138	20	9 23.1	18.2
238266 2003 WV_{46}	16.3	X	300.23862	313.84402	62.86070	7.25655	0.0433646	0.22411338	2.6842576	20	8 30.2	19.8
238267 2003 WW_{48}	16.7	X	99.80151	34.74610	219.67976	6.19419	0.2100989	0.23279633	2.6170899	20	11 7.6	20.8
238268 2003 WY_{58}	16.4	X	290.68290	125.55447	232.03477	5.59526	0.0640888	0.21787255	2.7352753	20	7 12.2	19.9
238269 2003 WO_{61}	16.2	X	2.67498	60.21039	64.45661	8.16024	0.1512609	0.18748871	3.0233329	20	—	—
238270 2003 WP_{63}	15.9	X	21.43702	292.54107	60.70780	5.46289	0.1605214	0.23343299	2.6123292	20	12 9.3	19.0
238271 2003 WY_{67}	16.2	X	308.54226	313.57740	62.33492	9.62530	0.0790909	0.22297762	2.6933650	20	9 8.8	19.6
238272 2003 WJ_{68}	15.2	X	52.77188	243.41272	65.44514	17.99518	0.2257274	0.23221825	2.6214313	20	11 30.3	18.9
238273 2003 WY_{71}	15.8	X	249.06238	359.41893	6.55622	13.95832	0.2037880	0.21459072	2.7630925	20	5 8.2	20.4
238274 2003 WU_{79}	15.6	X	46.10824	281.11312	42.66935	12.54289	0.1947457	0.23384724	2.6092431	20	12 6.5	19.4
238275 2003 WG_{82}	15.5	X	173.60968	216.24258	115.28473	10.97746	0.0973716	0.19655377	2.9296459	20	1 26.8	19.9
238276 2003 WF_{89}	16.2	X	282.22932	84.77037	242.79335	2.85624	0.1010801	0.21327876	2.7744122	20	5 15.5	19.9
238277 2003 WP_{94}	16.2	X	177.81956	52.13886	20.87948	4.26096	0.0277975	0.21182783	2.7870667	20	5 31.9	20.1
238278 2003 WH_{96}	16.1	X	253.47348	7.73017	46.73517	6.44088	0.0306098	0.22121821	2.7076268	20	8 16.6	19.8
238279 2003 WS_{99}	15.5	X	349.13261	86.30531	332.83570	11.36559	0.2238410	0.17843703	3.1247316	20	—	—
238280 2003 WO_{106}	14.8	X	333.83805	77.44530	56.97345	26.07567	0.2458645	0.17827324	3.1266453	20	—	—
238281 2003 WX_{113}	16.1	X	255.82866	356.47601	349.49595	3.53367	0.1100711	0.21146591	2.7902459	20	5 4.2	20.1
238282 2003 WP_{116}	16.0	X	340.81140	29.94021	28.98272	2.96588	0.1373434	0.17553105	3.1591245	20	12 10.1	19.7
238283 2003 WF_{127}	14.9	X	51.03382	88.87525	280.08891	24.41635	0.2477498	0.17894910	3.1187678	20	—	—
238284 2003 WK_{127}	16.5	X	322.36104	73.24448	74.32134	22.49848	0.0515246	0.36116707	1.9528278	20	—	—
238285 2003 WF_{129}	16.4	X	252.30177	332.15648	32.67779	3.25300	0.1058026	0.21462751	2.7627768	20	5 25.8	20.3
238286 2003 WE_{140}	15.8	X	258.91300	339.06326	70.88238	10.40952	0.1057904	0.21951634	2.7216033	20	8 6.1	19.6
238287 2003 WF_{144}	16.1	X	301.62660	317.95804	50.40082	11.89396	0.0997565	0.22244255	2.6976823	20	8 15.5	19.6
238288 2003 WS_{145}	15.7	X	72.81875	137.93768	60.01157	6.31843	0.2001857	0.21109844	2.7934830	20	7 30.7	19.6
238289 2003 WB_{148}	16.0	X	152.77678	290.44996	188.22213	8.08156	0.1051119	0.21108616	2.7935914	20	7 3.3	20.4
238290 2003 WC_{150}	16.0	X	283.35081	259.35658	112.47793	5.80298	0.0690157	0.21820080	2.7325314	20	7 21.8	19.4
238291 2003 WO_{150}	16.1	X	206.29417	251.97376	162.51069	5.02900	0.0714302	0.21206426	2.7849949	20	6 10.5	20.2
238292 2003 WK_{154}	15.8	X	201.55515	31.39714	86.37663	13.44436	0.0472379	0.22149590	2.7053633	20	9 4.3	19.9
238293 2003 WO_{155}	15.6	X	78.44667	233.49958	111.86474	10.67782	0.1331839	0.18193267	3.0845767	20	—	—
238294 2003 WG_{158}	16.2	X	98.53444	165.93783	21.87530	5.29122	0.0465685	0.21932687	2.7231704	20	7 28.2	20.0
238295 2003 WA_{160}	16.4	X	151.53300	334.95296	73.33196	2.91058	0.0530081	0.20195713	2.8771550	20	4 2.4	20.5
238296 2003 WM_{161}	16.2	X	84.96726	116.89623	79.08496	4.49489	0.1423394	0.21194061	2.7860779	20	8 3.1	20.1
238297 2003 WY_{165}	15.8	X	315.03717	156.72771	354.68387	8.53803	0.2051611	0.17421188	3.1750522	20	—	—
238298 2003 WZ_{175}	16.9	X	337.23370	242.46910	106.80568	2.94023	0.1034626	0.22505685	2.6767505	20	9 14.5	19.8
238299 2003 XE_{8}	15.0	X	16.57382	325.24317	80.68215	12.04863	0.1841476	0.17928457	3.1148761	20	—	—
238300 2003 XT_{14}	15.5	X	355.30653	303.27395	165.93494	20.31032	0.3314313	0.18001131	3.1064869	20	—	—
238301 2003 XQ_{15}	15.4	X	18.09763	128.95576	316.70514	16.59144	0.2705407	0.18188863	3.0850747	20	—	—
238302 2003 XD_{20}	15.6	X	25.80087	150.65358	313.02397	8.56419	0.1333632	0.18465543	3.0541802	20	1 3.4	19.1
238303 2003 XY_{22}	15.9	X	87.79331	2.59374	14.41918	7.40413	0.0677089	0.18790487	3.0188673	20	—	—
238304 2003 XZ_{24}	16.1	X	18.73117	269.36085	149.51065	3.41491	0.2245900	0.18253882	3.0777445	20	—	—
238305 2003 XW_{27}	16.3	X	80.08733	34.58333	313.77094	1.88616	0.1208629	0.18191751	3.0847481	20	—	—
238306 2003 XH_{30}	16.6	X	27.28949	8.24248	243.53769	2.84364	0.0525040	0.21441815	2.7645749	20	7 14.2	20.1
238307 2003 YQ_{3}	16.9	X	214.57397	110.05097	89.86929	24.46646	0.0795127	0.35158768	1.9881400	20	—	—
238308 2003 YQ_{14}	15.8	X	332.07212	116.93789	49.76899	10.89598	0.2266422	0.18298050	3.0727898	20	—	—
238309 2003 YJ_{21}	15.0	X	42.79079	62.31733	293.58443	25.58113	0.2276977	0.17179876	3.2047147	20	—	—
238310 2003 YH_{23}	16.0	X	319.56260	281.57074	91.90854	11.82032	0.1734113	0.22509730	2.6764298	20	9 19.0	18.9
238311 2003 YV_{38}	15.8	X	53.40809	215.59893	139.21965	3.23851	0.2000824	0.18011396	3.1053065	20	—	—
238312 2003 YB_{40}	16.3	X	29.69392	65.52910	79.41896	2.95532	0.0793539	0.18973073	2.9994682	20	3 1.2	20.1
238313 2003 YG_{53}	17.1	X	266.98005	175.70093	274.39306	2.58040	0.1784196	0.22619130	2.6677929	20	9 25.2	20.5
238314 2003 YO_{59}	15.6	X	59.14520	73.07433	82.47335	9.95759	0.0810847	0.20094495	2.8868085	20	4 29.1	19.4
238315 2003 YZ_{69}	15.2	X	59.57536	309.84676	78.54353	12.25307	0.0661987	0.18357545	3.0661471	20	—	—
238316 2003 YB_{82}	15.7	X	10.35123	91.71409	77.20751	5.88744	0.1805508	0.18907136	3.0064378	20	3 1.9	19.0
238317 2003 YT_{99}	15.4	X	73.14655	194.05599	255.00856	6.21584	0.1433031	0.19107753	2.9853572	20	2 25.7	19.3
238318 2003 YW_{126}	14.8	X	275.85251	198.91863	305.42521	17.40506	0.1017188	0.17232370	3.1982031	20	12 17.9	19.2
238319 2003 YH_{131}	16.0	X	36.32378	286.06005	81.71576	14.12989	0.2935559	0.23561348	2.5961869	20	—	—
238320 2003 YX_{131}	15.7	X	41.44728	72.05784	346.68515	10.30036	0.0835572	0.18081667	3.0972557	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238321 2003 YP_{140}	15.3	X	56.05326	285.77457	43.50663	13.65451	0.2104582	0.23298119	2.6157053	20	12 26.8	19.5
238322 2003 YU_{151}	15.4	X	17.02074	176.64064	359.89224	11.97114	0.0600501	0.19290375	2.9664858	20	3 20.6	19.3
238323 2003 YU_{153}	15.5	X	42.26721	93.90555	15.75984	11.27180	0.1167233	0.18643504	3.0347134	20	2 10.3	19.3
238324 2003 YH_{164}	16.2	X	189.69597	349.22572	58.89519	3.07824	0.0740422	0.20702825	2.8299774	20	5 14.2	20.3
238325 2003 YN_{173}	17.0	X	9.28021	143.43929	353.61921	1.27762	0.1630754	0.18885400	3.0087441	20	1 15.1	20.2
238326 2004 AG_{5}	15.2	X	357.02295	58.16613	108.85148	8.18111	0.2122561	0.18453625	3.0554951	20	1 28.9	18.5
238327 2004 AV_{16}	16.8	X	8.62441	345.95428	108.88625	3.79950	0.1517103	0.17933826	3.1142544	20	—	—
238328 2004 AB_{17}	16.2	X	327.92976	324.85994	205.00793	1.68779	0.0496610	0.18338543	3.0682648	20	1 7.2	20.4
238329 2004 BS_{4}	15.6	X	329.54795	46.59147	106.91155	4.51623	0.1911552	0.17811119	3.1285415	20	—	—
238330 2004 BA_{5}	15.5	X	343.79213	147.84639	11.02996	2.81085	0.0991194	0.18217059	3.0818905	20	1 9.9	19.5
238331 2004 BW_{16}	15.9	X	335.87264	42.82748	81.32653	11.26778	0.1856348	0.17702276	3.1413523	20	—	—
238332 2004 BO_{17}	15.8	X	169.37489	22.48225	62.83910	13.22746	0.0288107	0.20310547	2.8663000	20	6 6.4	19.9
238333 2004 BB_{21}	16.4	X	35.88855	305.35163	160.13979	1.93271	0.1570029	0.18465134	3.0542253	20	1 22.7	19.6
238334 2004 BE_{37}	16.6	X	30.57359	354.47300	102.64066	2.52522	0.1455441	0.18202717	3.0835091	20	1 3.0	19.9
238335 2004 BF_{46}	15.5	X	37.26693	2.75768	139.34157	11.52445	0.0824956	0.18961399	3.0006992	20	3 9.9	19.3
238336 2004 BA_{57}	15.3	X	292.89334	81.10753	138.53878	9.98919	0.1418158	0.18066183	3.0990252	20	1 12.0	19.8
238337 2004 BG_{58}	14.9	X	17.40094	305.18711	140.48184	25.10901	0.1645528	0.17874910	3.1210936	20	—	—
238338 2004 BP_{59}	15.3	X	27.97514	347.79868	139.30268	10.04774	0.0923205	0.18522498	3.0479161	20	2 4.3	19.0
238339 2004 BK_{70}	15.5	X	357.76615	84.48274	121.30984	10.91358	0.0207190	0.19303388	2.9651524	20	4 6.0	19.7
238340 2004 BC_{79}	16.3	X	26.65832	26.66685	100.68395	2.30366	0.1318890	0.18487685	3.0517411	20	2 3.9	19.7
238341 2004 BA_{81}	15.6	X	0.25083	217.73261	281.18644	6.06264	0.0392153	0.18273364	3.0755565	20	1 12.5	19.6
238342 2004 BZ_{86}	15.3	X	358.64180	12.24907	109.14750	2.32694	0.1383471	0.17745673	3.1362287	20	—	—
238343 2004 BJ_{87}	15.1	X	330.42391	232.20659	274.05786	14.96389	0.1791163	0.17769015	3.1334816	20	—	—
238344 2004 BL_{103}	15.5	X	337.38935	67.16194	68.12290	26.97813	0.2896281	0.17439907	3.1727799	20	—	—
238345 2004 BS_{106}	15.6	X	332.20093	23.69562	125.12235	11.42365	0.1667184	0.17765247	3.1339246	20	—	—
238346 2004 BW_{108}	15.2	X	263.67849	140.00269	91.23451	11.39541	0.1707301	0.17610126	3.1523015	20	—	—
238347 2004 BM_{109}	15.5	X	7.16765	81.12906	44.15811	8.53471	0.1989220	0.18011721	3.1052691	20	—	—
238348 2004 BP_{109}	15.4	X	336.73945	113.79990	32.96514	10.67052	0.1876507	0.17732713	3.1377567	20	—	—
238349 2004 BG_{111}	14.6	X	8.18332	316.33697	134.86378	29.51098	0.3589634	0.17776745	3.1325731	20	—	—
238350 2004 BQ_{113}	15.2	X	293.16374	186.85615	351.06645	15.08878	0.1289777	0.17405085	3.1770102	20	—	—
238351 2004 BP_{116}	14.9	X	13.91608	168.25246	328.17897	17.43931	0.1435375	0.18571718	3.0425285	20	1 27.7	18.5
238352 2004 BH_{118}	14.9	X	328.18851	6.18192	150.74085	28.53205	0.1147447	0.17780702	3.1321084	20	—	—
238353 2004 BF_{122}	15.3	X	13.93000	48.00114	71.69677	18.45833	0.1360170	0.18001165	3.1064829	20	1 3.5	19.1
238354 2004 BF_{132}	15.3	X	303.13123	10.36239	141.30728	19.26226	0.0900860	0.17450239	3.1715274	20	—	—
238355 2004 BF_{162}	14.9	X	288.66952	146.36983	83.16433	17.99081	0.1418309	0.18020484	3.1042624	20	1 20.6	19.6
238356 2004 CC_{4}	15.4	X	4.72608	191.12949	335.08138	9.12230	0.0403460	0.18675817	3.0312120	20	2 20.8	19.5
238357 2004 CK_{5}	15.4	X	3.75503	77.23535	115.04419	11.45752	0.0566640	0.18954853	3.0013900	20	3 27.5	19.5
238358 2004 CP_{7}	15.4	X	46.88016	19.94141	99.73521	2.53493	0.1959223	0.18649450	3.0340684	20	3 6.3	18.7
238359 2004 CJ_{9}	16.7	X	357.57262	113.18366	40.06753	2.57020	0.0962794	0.18364869	3.0653319	20	1 23.2	20.4
238360 2004 CO_{24}	15.9	X	316.21373	99.67535	151.00546	11.51497	0.0790270	0.19039695	2.9924671	20	3 30.1	19.9
238361 2004 CV_{39}	15.1	X	276.36026	313.68924	282.19830	13.31763	0.1937524	0.17825451	3.1268643	20	1 8.4	20.0
238362 2004 CF_{43}	16.0	X	35.49632	46.31541	77.42232	5.69043	0.1961648	0.18438099	3.0572101	20	2 20.7	19.3
238363 2004 CG_{43}	14.9	X	308.95180	116.42636	121.51469	15.09095	0.1265212	0.18499925	3.0503949	20	2 27.3	19.1
238364 2004 CP_{46}	16.1	X	110.07332	346.48470	89.41908	4.26849	0.0786076	0.18995826	2.9970726	20	3 24.2	20.3
238365 2004 CE_{52}	15.0	X	232.74554	165.55206	107.60659	30.27985	0.2284813	0.17205558	3.2015249	20	1 12.7	20.4
238366 2004 CT_{57}	15.1	X	323.13256	90.80927	67.06772	12.01097	0.1181546	0.17649430	3.1476197	20	—	—
238367 2004 CK_{58}	15.6	X	352.27095	57.50398	81.81821	5.65006	0.1164391	0.18065654	3.0990857	20	—	—
238368 2004 CP_{59}	15.0	X	286.10671	95.25947	126.71514	26.41436	0.2065010	0.17829928	3.1263409	20	1 2.4	20.0
238369 2004 CR_{59}	15.6	X	3.98801	103.52395	54.03695	6.52512	0.1354200	0.18412732	3.0600174	20	2 6.7	19.2
238370 2004 CO_{60}	15.8	X	341.62615	37.26479	93.26380	8.55617	0.2071683	0.17713434	3.1400330	20	—	—
238371 2004 CH_{63}	15.7	X	5.86742	95.10162	16.40229	9.68193	0.1965651	0.17850563	3.1239311	20	—	—
238372 2004 CP_{65}	15.6	X	357.26984	73.59288	55.60194	8.74637	0.2097956	0.17846073	3.1244550	20	—	—
238373 2004 CL_{67}	15.4	X	282.45385	82.77090	131.44771	6.08984	0.0638916	0.17921481	3.1156844	20	1 4.3	19.8
238374 2004 CR_{67}	15.6	X	309.25384	71.66631	126.56437	8.14471	0.0895353	0.18041458	3.1018560	20	1 13.1	19.8
238375 2004 CP_{70}	15.6	X	16.35319	15.66912	125.55364	5.90150	0.0887251	0.18418286	3.0594022	20	2 5.1	19.3
238376 2004 CN_{86}	15.5	X	305.63605	49.36528	140.89421	6.54837	0.0738634	0.17762058	3.1342998	20	1 1.9	20.0
238377 2004 CL_{93}	16.1	X	76.97048	278.78229	182.92638	8.65903	0.0930329	0.19018682	2.9946709	20	3 13.6	20.0
238378 2004 CN_{98}	15.8	X	340.56581	0.85621	173.13689	1.63406	0.1455045	0.18115423	3.0934070	20	1 17.8	19.7
238379 2004 CV_{100}	15.0	X	279.17109	236.35852	357.06518	16.16057	0.1800306	0.17663324	3.1459689	20	1 14.2	20.1
238380 2004 CA_{103}	15.4	X	303.90398	349.65377	221.45475	4.97795	0.1067183	0.17998563	3.1067824	20	1 18.7	19.8
238381 2004 CG_{106}	15.5	X	352.64573	325.07851	210.92605	9.91440	0.0863900	0.18305250	3.0719839	20	2 10.1	19.7
238382 2004 CZ_{108}	15.1	X	309.58931	50.89743	170.05670	27.00491	0.1934753	0.18076877	3.0978029	20	1 24.7	19.8
238383 2004 CO_{114}	14.9	X	332.04938	109.43237	20.64613	26.71112	0.2195305	0.17472985	3.1687744	20	—	—
238384 2004 CR_{125}	15.8	X	189.72828	192.37951	165.44954	9.30725	0.0952132	0.18915490	3.0055525	20	3 14.6	20.3
238385 2004 DK_{13}	15.2	X	20.88500	269.02001	183.51150	15.76366	0.2498569	0.17627807	3.1501932	20	—	—
238386 2004 DS_{35}	15.3	X	313.78393	330.62605	211.42584	6.15722	0.0926704	0.17738041	3.1371282	20	—	—
238387 2004 DF_{50}	15.6	X	77.58279	273.53788	159.01411	10.20019	0.1146394	0.18363002	3.0655396	20	2 10.6	19.7
238388 2004 DZ_{51}	15.6	X	270.05543	85.25441	164.73597	21.18339	0.3313852	0.17279818	3.1923459	20	1 7.6	21.4
238389 2004 DA_{55}	16.6	X	3.74136	155.99801	329.75656	0.30640	0.1309034	0.17893550	3.1189258	20	—	—
238390 2004 DW_{78}	15.6	X	30.84849	271.99583	213.87395	15.09902	0.2703684	0.18355423	3.0663833	20	2 10.1	18.8
238391 2004 DO_{79}	15.5	X	306.02441	92.79002	85.03427	14.16042	0.1274733	0.17708885	3.1405707	20	—	—
238392 2004 DU_{79}	15.5	X	294.87409	18.30840	163.33459	9.72830	0.0356423	0.17517639	3.1633870	20	—	—
238393 2004 ET_{2}	15.5	X	56.77172	108.34001	32.20030	9.14545	0.0428497	0.19100332	2.9861305	20	3 31.7	19.6
238394 2004 ET_{3}	15.4	X	341.65167	111.67510	42.04947	18.19453	0.1316968	0.17674276	3.1446692	20	—	—
238395 2004 EP_{5}	15.6	X	336.06764	17.75383	157.72295	10.34923	0.0425738	0.17826106	3.1267877	20	1 25.1	19.9
238396 2004 EG_{9}	15.0	X	330.43379	108.31424	38.33632	26.93029	0.1967473	0.17862777	3.1225069	20	—	—
238397 2004 EJ_{9}	15.5	X	315.33825	134.85029	45.32564	27.80830	0.1430057	0.17495292	3.1660802	20	—	—
238398 2004 EL_{9}	14.9	X	249.62764	136.68982	96.12569	20.63454	0.1277620	0.17000719	3.2271900	20	—	—
238399 2004 EJ_{12}	15.6	X	18.44454	37.63864	71.12715	2.32313	0.1609895	0.17793604	3.1305941	20	—	—
238400 2004 EJ_{15}	15.1	X	265.62141	219.77707	35.29612	15.76540	0.1428554	0.17674021	3.1446994	20	1 31.0	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238401 2004 EG_{18}	15.3	X	319.33778	55.11856	137.67532	17.61925	0.1774459	0.17538480	3.1608805	20	1 8.1	19.7
238402 2004 EO_{26}	15.8	X	354.58686	317.41452	173.88615	9.51677	0.0499179	0.17523348	3.1627000	20	—	—
238403 2004 EW_{39}	15.6	X	349.42930	304.30747	184.10395	16.94035	0.2067037	0.17676623	3.1443908	20	—	—
238404 2004 EC_{47}	15.6	X	186.62250	305.72813	14.08108	4.50098	0.1652726	0.17595832	3.1540084	20	1 31.1	20.9
238405 2004 EA_{52}	16.1	X	263.27617	220.68625	344.50099	3.68006	0.1105087	0.17071529	3.2182599	20	—	—
238406 2004 ED_{59}	15.6	X	305.28405	142.30403	94.20952	7.04856	0.0769574	0.18240426	3.0792579	20	2 27.9	19.9
238407 2004 EE_{65}	14.9	X	265.56699	158.99341	120.47339	18.47364	0.1752166	0.18142003	3.0903848	20	2 21.8	19.8
238408 2004 EJ_{65}	14.6	X	55.86582	63.74957	39.67983	22.26752	0.0588746	0.18103696	3.0947427	20	2 26.2	19.2
238409 2004 EN_{65}	15.1	X	301.75974	65.40816	104.48416	17.53948	0.1136043	0.17100374	3.2146397	20	—	—
238410 2004 EO_{65}	14.9	X	336.71480	84.83501	95.19543	18.20689	0.1085709	0.17817391	3.1278071	20	1 26.4	19.1
238411 2004 ET_{74}	14.8	X	165.37533	297.35315	23.33319	15.11626	0.0906490	0.16989347	3.2286298	20	1 11.3	20.0
238412 2004 EY_{93}	15.1	X	270.84502	116.77087	119.71144	3.90684	0.0257386	0.17661167	3.1462251	20	1 22.7	19.4
238413 2004 EM_{112}	15.2	X	259.78929	144.39206	129.92626	12.35117	0.1614349	0.17930287	3.1146641	20	2 9.9	20.1
238414 2004 FF_{2}	15.6	X	318.54232	338.41529	173.82616	11.88623	0.1355507	0.17216398	3.2001808	20	—	—
238415 2004 FQ_{7}	15.6	X	346.97962	301.95190	173.46080	5.27111	0.1817038	0.17255122	3.1953912	20	—	—
238416 2004 FZ_{8}	15.8	X	302.53961	103.03642	79.81594	7.08299	0.1269635	0.17145412	3.2090077	20	—	—
238417 2004 FS_{19}	15.6	X	275.23322	102.31639	173.41897	11.77502	0.0772318	0.18435081	3.0575438	20	3 6.7	20.0
238418 2004 FM_{36}	15.2	X	4.96273	79.27703	62.12991	5.58609	0.1256215	0.17639199	3.1488367	20	1 19.4	19.1
238419 2004 FX_{52}	15.3	X	331.92555	315.90884	206.89612	13.48726	0.0685494	0.17355199	3.1830953	20	1 1.8	19.9
238420 2004 FJ_{53}	16.5	X	331.24886	44.02210	170.83729	9.44364	0.0334906	0.18679779	3.0307834	20	3 7.8	20.6
238421 2004 FN_{84}	15.7	X	333.58199	111.33506	52.06899	10.59008	0.1838031	0.17707776	3.1407018	20	—	—
238422 2004 FN_{96}	15.7	X	298.43836	92.89859	143.31860	15.22846	0.1790780	0.17889554	3.1193902	20	2 2.1	20.1
238423 2004 FW_{155}	16.0	X	262.96765	131.81218	140.67405	1.60939	0.1250941	0.17928277	3.1148970	20	2 13.9	20.6
238424 2004 GU_{3}	15.3	X	244.77965	114.97445	195.61707	15.73424	0.2594016	0.17824247	3.1270051	20	2 27.7	20.8
238425 2004 GM_{5}	15.5	X	26.52580	35.62637	160.10065	10.90388	0.0618988	0.18558240	3.0440014	20	5 2.6	19.6
238426 2004 GX_{15}	15.5	X	280.98295	48.92522	182.04813	9.47232	0.0348680	0.17397386	3.1779475	20	1 25.3	20.1
238427 2004 GZ_{36}	14.7	X	222.58625	94.87017	213.22441	24.38525	0.2285973	0.17422044	3.1749483	20	2 6.5	20.6
238428 2004 GW_{78}	15.4	X	300.32754	45.59263	186.42850	13.73680	0.0221064	0.17870603	3.1215952	20	2 18.9	20.0
238429 2004 HM_{20}	16.0	X	54.59267	150.46964	30.43883	5.96451	0.1367412	0.18832943	3.0143285	20	5 29.7	19.9
238430 2004 HM_{63}	14.9	X	344.31560	27.45004	136.84132	23.20636	0.0772148	0.17567282	3.1574247	20	1 20.3	19.2
238431 2004 JU_{8}	15.4	X	149.87049	107.21359	208.77677	8.98599	0.1792962	0.16144661	3.3402843	20	—	—
238432 2004 LZ_{8}	15.6	X	210.52057	359.19391	308.18051	24.53772	0.1862619	0.28268474	2.2993291	20	1 25.4	19.2
238433 2004 NP_{23}	17.4	X	172.12390	179.66522	184.88020	5.47582	0.2386136	0.28436552	2.2902598	20	3 2.9	21.1
238434 2004 OG_{2}	16.8	X	51.05027	196.53310	160.45319	6.95304	0.1373860	0.26525252	2.3989970	20	—	—
238435 2004 OU_{13}	17.3	X	298.89512	211.76592	85.46211	5.48481	0.1526185	0.29742198	2.2227332	20	4 17.5	19.8
238436 2004 PZ_{7}	17.2	X	183.70684	144.73013	225.36622	2.23056	0.1698729	0.28697386	2.2763611	20	3 16.9	20.7
238437 2004 PS_{25}	16.9	X	169.43202	32.28655	341.78207	5.09372	0.1746745	0.28559498	2.2836822	20	3 9.5	20.4
238438 2004 PQ_{29}	17.6	X	323.82096	178.85197	127.06461	4.06604	0.2075136	0.30335127	2.1936744	20	6 5.5	19.1
238439 2004 PD_{32}	16.7	X	152.58978	328.52617	339.00938	9.25543	0.1286418	0.27333044	2.3514949	20	—	—
238440 2004 PV_{35}	15.8	X	227.53546	187.24674	165.27363	22.22607	0.2192415	0.28962462	2.2624504	20	4 5.6	19.6
238441 2004 PK_{47}	16.9	X	88.12118	218.38320	147.16481	6.24676	0.1462313	0.27181865	2.3602059	20	—	—
238442 2004 PE_{50}	16.8	X	109.03232	355.04488	348.98264	6.13688	0.1497905	0.27076620	2.3663178	20	—	—
238443 2004 PC_{52}	16.5	X	168.96875	162.07445	125.51088	6.90960	0.2389719	0.27447060	2.3449783	20	—	—
238444 2004 PF_{58}	17.7	X	276.79523	28.42492	296.89556	3.27073	0.1741132	0.29781242	2.2207901	20	4 19.3	20.7
238445 2004 PU_{61}	16.1	X	35.08240	0.86191	26.70128	7.17706	0.2129372	0.26017880	2.4300849	20	—	—
238446 2004 PU_{65}	17.4	X	272.75153	166.74402	166.42559	4.47853	0.1161540	0.29683085	2.2256833	20	5 7.3	20.1
238447 2004 PV_{73}	17.2	X	139.92988	335.32611	33.94454	2.13048	0.1841587	0.27919318	2.3184595	20	2 5.8	20.4
238448 2004 PN_{75}	16.8	X	286.04715	115.49940	210.32310	4.92192	0.2258051	0.29704790	2.2245989	20	4 26.1	19.5
238449 2004 PP_{80}	16.7	X	119.95912	196.73851	184.50359	6.27044	0.1236196	0.27645297	2.3337547	20	1 18.3	19.7
238450 2004 PK_{100}	16.8	X	230.32221	228.89569	161.46742	14.56241	0.2969776	0.23108883	2.6299657	20	5 22.2	21.6
238451 2004 PA_{103}	16.5	X	171.34798	17.52632	306.45910	4.16541	0.2511786	0.27643895	2.3338336	20	1 15.7	20.2
238452 2004 PZ_{105}	17.2	X	150.92804	327.58772	36.25884	3.52583	0.1721466	0.27748819	2.3279468	20	2 9.9	20.6
238453 2004 QF	17.3	X	269.36746	229.89780	179.25825	46.17802	0.1468285	0.42956933	1.7395912	20	9 12.1	18.2
238454 2004 QW_{9}	17.4	X	291.20539	287.77172	28.65419	5.19902	0.1966138	0.29855652	2.2170986	20	4 23.7	19.8
238455 2004 QS_{26}	17.5	X	309.55873	107.90182	150.52427	2.94339	0.1118729	0.29261055	2.2470327	20	3 13.0	19.8
238456 2004 RK	19.3	X	153.18363	264.40435	178.79129	18.14643	0.3003270	0.60234990	1.3885776	20	5 30.7	21.2
238457 2004 RL_{7}	15.5	X	207.41388	152.83187	210.95056	24.55181	0.2142571	0.28793886	2.2712723	20	3 28.3	19.5
238458 2004 RD_{14}	16.4	X	224.60418	73.69154	337.13090	10.80315	0.1896558	0.23572454	2.5953714	20	6 16.3	20.7
238459 2004 RC_{28}	17.0	X	307.85269	76.28096	177.19367	7.13986	0.0751971	0.29081005	2.2562979	20	3 8.5	19.6
238460 2004 RF_{32}	16.9	X	173.65984	216.59246	150.08300	6.28194	0.1276118	0.28426101	2.2908212	20	3 2.5	20.0
238461 2004 RV_{40}	17.4	X	325.15968	129.63683	304.69952	0.69933	0.1639649	0.25682926	2.4511678	20	—	—
238462 2004 RR_{45}	17.1	X	233.76409	339.30638	357.80228	3.49135	0.2107807	0.29042770	2.2582778	20	3 19.6	20.7
238463 2004 RV_{50}	17.6	X	210.78110	187.64110	134.69102	3.41122	0.1686329	0.28410237	2.2916739	20	2 11.9	21.0
238464 2004 RH_{52}	16.4	X	167.07673	47.84053	0.73752	11.76656	0.2974326	0.22294575	2.6936216	20	4 23.3	21.4
238465 2004 RW_{62}	16.7	X	102.69853	42.77282	345.79888	7.02007	0.1253143	0.27361848	2.3498443	20	1 7.4	19.4
238466 2004 RE_{63}	16.9	X	334.03740	93.77976	176.88685	5.07939	0.1060670	0.29684290	2.2256230	20	5 14.3	18.9
238467 2004 RM_{63}	17.0	X	91.87427	3.81208	350.95494	6.06199	0.2103699	0.26698465	2.3886097	20	—	—
238468 2004 RA_{64}	17.5	X	274.78741	309.00433	352.70394	2.66417	0.1922996	0.29251829	2.2475052	20	3 15.2	20.5
238469 2004 RD_{64}	16.8	X	240.29609	108.19118	176.60335	6.60425	0.2096849	0.28439392	2.2901074	20	1 20.0	20.7
238470 2004 RF_{65}	16.5	X	167.46454	0.96049	1.55740	7.01957	0.1391107	0.28112201	2.3078424	20	2 22.3	19.8
238471 2004 RC_{68}	16.3	X	145.77123	8.76520	8.80929	6.77805	0.1280704	0.27901977	2.3194200	20	2 18.1	19.5
238472 2004 RH_{73}	17.3	X	97.12111	7.51968	30.44328	1.65229	0.1868011	0.27267033	2.3552886	20	1 21.4	19.9
238473 2004 RN_{76}	16.6	X	144.22209	210.38097	166.55264	8.42427	0.2170799	0.27786687	2.3258312	20	2 21.9	20.0
238474 2004 RO_{76}	17.3	X	252.58900	170.93618	142.56159	2.31108	0.2278501	0.28966270	2.2622521	20	3 5.9	20.8
238475 2004 RT_{86}	16.7	X	102.14603	287.28922	125.39982	8.14582	0.0929653	0.27805814	2.3247645	20	2 1.9	19.1
238476 2004 RP_{103}	16.6	X	74.79391	345.19510	72.47905	8.12547	0.1108167	0.27320329	2.3522245	20	—	—
238477 2004 RQ_{103}	16.7	X	170.30529	128.99904	225.59354	5.54872	0.1277628	0.28031066	2.3122936	20	2 10.1	20.2
238478 2004 RR_{104}	16.2	X	168.11253	147.04945	219.18723	6.28025	0.1348009	0.28117756	2.3075384	20	2 22.8	19.6
238479 2004 RL_{153}	16.2	X	174.07548	99.79316	318.86242	10.80757	0.1965912	0.22697769	2.6616274	20	5 8.3	20.9
238480 2004 RC_{157}	16.6	X	223.56034	184.64118	185.68207	8.89168	0.1116871	0.29183702	2.2510015	20	4 29.7	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238481 2004 RP_{173}	17.5	X	238.12507	343.55973	343.79833	2.94251	0.2103522	0.28761802	2.2729610	20	3 11.2	21.2
238482 2004 RF_{183}	16.9	X	269.72785	134.88889	192.95604	5.31698	0.2013532	0.29476346	2.2360780	20	4 12.9	19.7
238483 2004 RA_{192}	16.9	X	232.91568	343.64323	327.16553	4.40704	0.0970028	0.28402037	2.2921149	20	2 20.4	20.2
238484 2004 RX_{222}	17.0	X	298.55051	174.48502	106.33837	7.17387	0.1789438	0.29297872	2.2451498	20	3 21.5	19.8
238485 2004 RP_{229}	16.8	X	303.94390	265.98990	211.68845	6.07287	0.0931673	0.25713113	2.4492490	20	—	—
238486 2004 RU_{231}	16.7	X	168.97185	113.01037	189.33114	5.86578	0.1250925	0.27050075	2.3678657	20	—	—
238487 2004 RT_{243}	17.3	X	320.34020	359.23865	158.56242	5.10406	0.1614247	0.27162059	2.3613531	20	—	—
238488 2004 RU_{257}	17.2	X	219.45307	159.01266	183.31896	5.78411	0.2391778	0.28749122	2.2736293	20	3 12.9	20.9
238489 2004 RU_{272}	17.2	X	265.49335	121.86113	0.29732	6.37480	0.0605007	0.25649943	2.4532687	20	11 30.2	20.2
238490 2004 RT_{281}	16.7	X	265.88376	321.04384	176.11071	9.50253	0.0774887	0.25837365	2.4413904	20	12 21.3	19.7
238491 2004 RC_{285}	17.3	X	350.70817	300.21818	121.88960	1.86185	0.1624851	0.25868237	2.4394476	20	—	—
238492 2004 RR_{310}	16.7	X	78.56757	183.93580	191.07338	6.75201	0.1190151	0.26551582	2.3974107	20	—	—
238493 2004 RX_{313}	17.0	X	0.41468	43.20667	359.16542	5.00035	0.1040158	0.25746280	2.4471451	20	—	—
238494 2004 RY_{337}	17.2	X	262.57572	83.32066	9.97177	2.69101	0.1722161	0.24460049	2.5321990	20	9 29.0	20.0
238495 2004 RH_{338}	16.8	X	308.82006	173.31877	38.90191	2.68234	0.0419664	0.27663196	2.3327479	20	1 21.6	19.7
238496 2004 RZ_{345}	17.3	X	314.86361	145.82040	154.24882	7.54039	0.2586265	0.29837249	2.2180102	20	4 29.2	19.4
238497 2004 SG_{25}	17.7	X	295.69561	84.08950	30.22170	2.34500	0.1579596	0.25391115	2.4699123	20	—	—
238498 2004 SQ_{28}	17.4	X	347.73362	178.70936	108.31704	3.22442	0.1808387	0.30284323	2.1961271	20	7 7.8	18.6
238499 2004 SA_{30}	16.2	X	206.36869	337.89720	2.67739	7.00355	0.1471498	0.28411698	2.2915953	20	3 2.9	19.6
238500 2004 SM_{33}	17.1	X	176.46947	268.85434	56.47380	3.49461	0.2488633	0.27658997	2.3329840	20	1 21.8	21.1
238501 2004 SS_{52}	16.7	X	330.98839	347.74611	97.50638	4.54337	0.1826625	0.25805735	2.4433850	20	—	—
238502 2004 SB_{54}	17.4	X	46.31681	195.14879	227.51960	1.16894	0.1166676	0.26673872	2.3900776	20	—	—
238503 2004 SF_{54}	17.1	X	346.26461	136.75572	177.06011	8.88748	0.2791963	0.30528774	2.1843881	20	9 3.2	17.6
238504 2004 SG_{58}	16.6	X	96.47787	349.62646	25.88377	5.56006	0.1534046	0.26781851	2.3836491	20	—	—
238505 2004 TK_{5}	16.2	X	150.37444	45.35603	45.44696	5.67703	0.1236477	0.22323991	2.6912548	20	5 27.3	20.4
238506 2004 TH_{8}	17.2	X	196.92487	207.43492	154.72699	3.15641	0.1724773	0.28519269	2.2858293	20	3 20.7	20.8
238507 2004 TW_{12}	16.7	X	165.45547	282.46007	46.06048	7.98135	0.1398908	0.27418771	2.3465910	20	1 7.9	20.2
238508 2004 TO_{46}	17.3	X	292.17578	259.89691	24.59638	3.69232	0.2063643	0.28914743	2.2649389	20	3 11.9	20.3
238509 2004 TH_{52}	15.7	X	142.98204	7.82501	30.07392	9.86380	0.1632771	0.21465967	2.7625008	20	3 21.9	20.1
238510 2004 TH_{55}	16.9	X	295.88151	224.75752	191.07555	4.06947	0.2194370	0.24342381	2.5403527	20	9 24.0	19.2
238511 2004 TJ_{68}	16.8	X	172.44825	275.19804	143.93369	6.20438	0.2611244	0.22343199	2.6897122	20	5 14.5	21.6
238512 2004 TF_{70}	17.1	X	235.72894	254.78375	91.71854	2.96517	0.1768414	0.28828471	2.2694553	20	4 6.2	20.5
238513 2004 TU_{88}	17.1	X	320.93060	145.99392	27.84190	7.53110	0.0475485	0.27259900	2.3556994	20	—	—
238514 2004 TV_{98}	17.6	X	291.32862	359.87170	60.39951	1.91437	0.1338724	0.24523448	2.5278329	20	10 6.1	20.3
238515 2004 TN_{108}	17.4	X	260.61582	244.28058	80.04024	4.12080	0.1254432	0.29150743	2.2526980	20	4 8.8	20.4
238516 2004 TM_{109}	17.2	X	149.32254	229.42053	109.11553	4.98166	0.1913984	0.27306747	2.3530044	20	1 8.5	20.6
238517 2004 TN_{113}	17.2	X	309.73685	16.81291	45.44730	8.81382	0.2321002	0.24653497	2.5189354	20	11 6.7	19.1
238518 2004 TC_{121}	17.1	X	296.40204	330.72910	327.11699	4.50442	0.2645319	0.29508818	2.2344373	20	3 23.4	19.8
238519 2004 TC_{133}	16.4	X	218.74579	310.28731	39.10345	4.94222	0.2904773	0.28591246	2.2819914	20	3 22.1	20.4
238520 2004 TZ_{144}	16.8	X	34.23888	207.22750	217.75944	6.68170	0.0341070	0.26267052	2.4146925	20	—	—
238521 2004 TF_{151}	17.0	X	3.97674	194.17053	208.39768	2.10400	0.1536794	0.25586636	2.4573136	20	—	—
238522 2004 TZ_{163}	17.4	X	281.07366	3.41679	88.78079	2.00752	0.0993314	0.24714045	2.5148196	20	11 7.8	20.0
238523 2004 TV_{169}	16.6	X	195.47411	247.42341	79.63517	4.04817	0.1816736	0.27922223	2.3182987	20	2 5.9	20.3
238524 2004 TV_{173}	16.0	X	184.08822	58.57422	35.68413	28.56529	0.3071008	0.22425940	2.6830923	20	7 1.0	21.4
238525 2004 TL_{185}	16.9	X	250.53028	217.08733	5.15235	6.54778	0.0276816	0.26874019	2.3781960	20	—	—
238526 2004 TE_{187}	17.4	X	100.27243	212.54817	207.79011	2.95297	0.0836124	0.27611960	2.3356328	20	2 7.2	20.1
238527 2004 TN_{220}	15.8	X	359.11375	343.65204	83.43890	12.13056	0.2298151	0.25729718	2.4481952	20	—	—
238528 2004 TH_{240}	16.6	X	144.32410	161.80037	202.44737	7.63208	0.0574836	0.27776516	2.3263990	20	1 16.7	19.7
238529 2004 TR_{262}	16.1	X	270.48439	124.32390	226.74576	9.92924	0.2178763	0.23101293	2.6305417	20	5 14.8	19.8
238530 2004 TM_{275}	17.2	X	243.83289	96.02877	226.96781	3.21456	0.1725327	0.28505622	2.2865588	20	3 12.3	20.5
238531 2004 TL_{278}	16.8	X	288.20054	64.30947	200.60619	5.23668	0.1473508	0.28128808	2.3069339	20	2 15.9	19.9
238532 2004 TJ_{281}	17.2	X	259.24410	252.37275	5.94872	5.06244	0.1279917	0.27893059	2.3199143	20	1 11.9	20.7
238533 2004 TM_{321}	17.3	X	202.19036	119.50871	345.55325	2.98447	0.1208940	0.23289067	2.6163831	20	8 8.7	21.3
238534 2004 TH_{332}	17.2	X	193.91540	277.95526	38.15508	2.33761	0.2331155	0.27740577	2.3284078	20	1 23.5	21.0
238535 2004 TQ_{334}	17.5	X	232.53183	324.22090	109.39266	1.09616	0.1751566	0.23953884	2.5677462	20	7 25.8	21.3
238536 2004 VH_{6}	16.9	X	187.64210	156.38649	166.24385	2.28374	0.2512661	0.27605409	2.3360023	20	1 26.2	20.8
238537 2004 VY_{8}	16.5	X	281.94550	78.56960	335.90580	10.56346	0.1456981	0.24155996	2.5534033	20	9 6.9	19.5
238538 2004 VU_{12}	16.6	X	236.00391	237.78627	78.82546	8.42505	0.1421298	0.28086286	2.3092618	20	3 4.5	20.2
238539 2004 VD_{19}	16.7	X	264.92887	344.02031	72.36781	3.69246	0.1390856	0.23708504	2.5854329	20	8 18.1	20.1
238540 2004 VM_{21}	16.9	X	271.38955	345.77093	67.61933	5.16182	0.1987955	0.23798695	2.5788968	20	8 14.1	20.1
238541 2004 VV_{24}	16.6	X	220.98965	115.23442	351.36537	4.62949	0.1824114	0.23611005	2.5925456	20	8 25.4	20.5
238542 2004 VT_{27}	15.7	X	232.19132	213.21894	53.09929	24.41887	0.2080078	0.27007670	2.3703436	20	—	—
238543 2004 VK_{36}	16.1	X	150.29867	180.35157	226.91300	4.59591	0.0707546	0.21639224	2.7477356	20	3 28.4	20.2
238544 2004 VT_{48}	16.4	X	274.03615	2.52969	80.39148	9.81094	0.0871374	0.24254973	2.5464522	20	10 19.8	19.6
238545 2004 VS_{62}	15.9	X	283.32172	255.96314	167.19973	11.92839	0.2850962	0.23941927	2.5686010	20	8 28.6	18.9
238546 2004 VK_{65}	17.3	X	223.12941	138.77389	191.66686	2.41646	0.1942911	0.28325249	2.2962556	20	3 2.7	20.8
238547 2004 VL_{70}	16.7	X	199.39041	283.79651	205.92726	3.98428	0.2158662	0.23462039	2.6035078	20	8 29.1	20.9
238548 2004 VV_{70}	15.7	X	218.15324	283.95260	61.36896	13.95693	0.0932799	0.21806012	2.7337065	20	4 1.7	20.0
238549 2004 VB_{75}	16.7	X	39.15831	315.19402	80.69335	5.03384	0.1982499	0.25899165	2.4375052	20	—	—
238550 2004 VP_{75}	16.9	X	250.28477	296.52152	49.86833	11.39823	0.2560997	0.28923859	2.2644630	20	4 15.2	20.5
238551 2004 VW_{96}	16.4	X	200.92104	276.72126	235.66214	6.51118	0.1098567	0.24068863	2.5595621	20	10 6.7	20.3
238552 2004 WS_{7}	16.2	X	245.91302	20.24569	62.55763	15.06759	0.0804839	0.23776849	2.5804762	20	9 14.3	20.0
238553 2004 XX_{4}	16.7	X	264.88855	54.57795	33.86785	4.54207	0.1710755	0.24030540	2.5622826	20	9 26.6	19.9
238554 2004 XK_{13}	15.9	X	254.84347	299.28517	93.64839	5.38013	0.1715166	0.22938484	2.6429741	20	6 26.9	19.7
238555 2004 XL_{15}	16.6	X	225.24298	155.78313	299.62954	1.45090	0.1108307	0.23332070	2.6131672	20	8 21.9	20.2
238556 2004 XN_{21}	15.8	X	150.93758	330.54003	66.03681	7.07498	0.0741184	0.21173496	2.7878817	20	3 21.6	20.0
238557 2004 XK_{26}	15.7	X	165.03942	344.12100	71.15154	8.33904	0.1947700	0.21622615	2.7491425	20	5 2.5	20.3
238558 2004 XH_{27}	17.0	X	216.75852	359.89888	70.98660	3.33006	0.2573560	0.22822979	2.6518839	20	6 29.9	21.6
238559 2004 XX_{28}	16.0	X	230.93364	20.12825	102.25619	8.59441	0.1389394	0.23623073	2.5916626	20	10 4.9	19.8
238560 2004 XO_{44}	14.6	X	353.58748	343.34783	68.08239	3.73979	0.2542556	0.12418565	3.9788275	20	12 13.9	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238561 2004 XP_{51}	16.5	X	95.62765	272.00382	87.26586	5.81085	0.1193216	0.26124187	2.4234879	20	—	—
238562 2004 XX_{53}	16.1	X	189.13996	211.98877	95.45080	8.45335	0.2063212	0.26736137	2.3863654	20	1 8.9	20.0
238563 2004 XN_{60}	16.8	X	118.28920	339.38059	272.76429	3.24760	0.0984501	0.23838439	2.5760296	20	11 16.2	20.8
238564 2004 XP_{64}	16.1	X	125.50762	72.83097	71.70082	13.85703	0.0929234	0.22162607	2.7043038	20	7 7.5	20.2
238565 2004 XQ_{74}	15.9	X	167.69354	321.95203	130.83841	7.97267	0.2666703	0.21828059	2.7318655	20	6 19.4	20.9
238566 2004 XD_{75}	16.4	X	343.53287	157.39349	236.21830	1.54276	0.1258532	0.24467662	2.5316737	20	12 2.7	19.0
238567 2004 XO_{78}	16.0	X	254.13899	18.71495	77.56403	15.83642	0.0699657	0.23849119	2.5752604	20	10 15.1	19.6
238568 2004 XF_{80}	15.7	X	161.43411	70.42685	107.53163	14.45208	0.0407068	0.23156244	2.6263785	20	10 7.4	19.7
238569 2004 XL_{80}	16.1	X	335.30547	172.90023	233.13990	3.91098	0.0947566	0.24475840	2.5311098	20	12 3.5	18.9
238570 2004 XP_{86}	16.5	X	258.05643	181.15249	243.41673	3.78356	0.2164836	0.23239857	2.6200752	20	8 4.6	20.2
238571 2004 XE_{87}	16.4	X	230.88449	218.60838	86.74608	7.14065	0.1103021	0.27648968	2.3335482	20	2 14.0	19.8
238572 2004 XO_{89}	16.0	X	277.45815	101.85379	339.77429	4.81866	0.1182109	0.24191405	2.5509111	20	10 11.8	19.0
238573 2004 XL_{98}	16.7	X	160.79456	255.08067	90.13860	7.94459	0.2341719	0.26736844	2.3863233	20	2 2.6	20.5
238574 2004 XK_{111}	16.6	X	262.41726	12.18969	61.03653	5.73491	0.2173154	0.23612474	2.5924381	20	8 26.6	20.1
238575 2004 XR_{121}	16.6	X	298.81874	70.48415	359.18146	2.65573	0.1048510	0.24329555	2.5412454	20	11 2.6	19.4
238576 2004 XZ_{123}	15.8	X	339.42036	296.70480	83.89192	13.31599	0.0881332	0.24070731	2.5594296	20	11 7.9	18.8
238577 2004 XM_{124}	15.5	X	133.86740	79.82839	68.59467	25.38874	0.1697602	0.21972832	2.7198526	20	7 30.5	20.3
238578 2004 XJ_{126}	16.3	X	187.30267	62.76183	91.81997	14.02662	0.1541201	0.23252991	2.6190885	20	9 30.7	20.7
238579 2004 XP_{146}	15.8	X	178.42100	61.55299	65.76081	13.23898	0.2026384	0.22368816	2.6876583	20	8 14.1	20.5
238580 2004 XC_{162}	16.5	X	214.51200	315.96498	26.89612	13.65245	0.2468524	0.28190367	2.3035743	20	3 15.6	20.5
238581 2004 XP_{163}	16.6	X	292.50032	7.67701	12.93720	3.63219	0.1579682	0.23123966	2.6288219	20	8 5.8	19.6
238582 2004 XV_{164}	15.9	X	260.82619	109.47953	341.44958	11.39425	0.1482723	0.24026994	2.5625347	20	9 23.3	19.2
238583 2004 XF_{171}	15.6	X	224.70344	346.68402	111.64008	14.25988	0.2426248	0.22845762	2.6501205	20	8 13.1	19.9
238584 2004 XR_{181}	16.1	X	136.66142	72.73079	56.60594	12.92913	0.2372239	0.21963363	2.7206342	20	7 9.7	20.9
238585 2004 XQ_{191}	15.7	X	225.36641	55.06750	48.17114	14.59495	0.1382266	0.22964376	2.6409871	20	9 6.4	19.8
238586 2004 YK_{2}	16.8	X	232.33905	0.16611	132.73481	1.65715	0.1251348	0.23895526	2.5719251	20	10 18.7	20.1
238587 2004 YX_{3}	16.5	X	103.73258	237.70926	289.34893	6.68245	0.1637718	0.21762245	2.7373705	20	7 19.4	20.7
238588 2004 YE_{4}	15.9	X	291.98789	291.05155	315.83327	0.91822	0.0204739	0.20381694	2.8596258	20	2 26.6	19.8
238589 2004 YL_{5}	15.8	X	217.35149	291.20503	144.65052	14.18958	0.1682371	0.22536781	2.6742877	20	7 12.4	20.1
238590 2004 YC_{20}	16.1	X	233.59065	93.55727	116.65586	5.83365	0.1230863	0.24775004	2.5106927	20	—	—
238591 2004 YS_{21}	16.4	X	356.47379	200.14995	113.59318	4.37983	0.0325687	0.22543158	2.6737833	20	8 24.5	19.7
238592 2004 YQ_{25}	15.7	X	106.10874	29.78896	127.52674	12.82261	0.2158716	0.21296332	2.7771511	20	7 14.6	20.1
238593 Paysdegex	16.1	X	163.53528	84.27365	144.29819	3.77910	0.1637942	0.23929505	2.5694898	20	12 1.5	20.2
238594 2005 AB_{4}	16.5	X	64.24643	325.50815	63.83656	7.54937	0.1104461	0.25643036	2.4537092	20	—	—
238595 2005 AW_{5}	15.7	X	62.22556	172.85586	93.49894	13.64010	0.0747613	0.22932914	2.6434020	20	10 5.3	19.5
238596 2005 AJ_{13}	16.6	X	343.29807	314.80424	76.10445	2.13398	0.1151236	0.24184867	2.5513708	20	11 26.6	19.4
238597 2005 AO_{20}	16.4	X	282.58392	170.52179	220.58781	2.28748	0.2332544	0.23163287	2.6258460	20	7 20.9	19.5
238598 2005 AE_{23}	16.2	X	218.07566	35.35443	86.71865	6.89359	0.0842931	0.23136879	2.6278437	20	9 24.7	20.0
238599 2005 AT_{23}	16.7	X	146.53292	49.90995	94.50990	4.41036	0.1381837	0.22119779	2.7077934	20	8 2.2	20.9
238600 2005 AZ_{42}	16.3	X	18.47492	305.38151	211.86336	1.02866	0.1717427	0.19989374	2.8969206	20	2 25.4	19.2
238601 2005 AC_{45}	15.9	X	355.55923	43.73378	333.07125	4.70495	0.2942775	0.24173433	2.5521752	20	12 25.4	18.4
238602 2005 AN_{46}	16.7	X	155.43147	18.60610	104.17355	3.58296	0.2350429	0.21981008	2.7191780	20	7 15.9	21.4
238603 2005 AS_{48}	16.5	X	245.34836	269.13398	153.15366	2.54068	0.0866805	0.22733435	2.6588429	20	8 5.1	20.1
238604 2005 AP_{53}	15.5	X	311.71201	251.16311	296.52618	9.76247	0.0259382	0.19313080	2.9641603	20	1 10.5	19.7
238605 2005 AF_{55}	16.1	X	180.23867	26.70599	92.30884	7.57200	0.0832082	0.22609296	2.6685664	20	8 5.4	20.1
238606 2005 AR_{67}	16.8	X	291.71322	216.76840	191.63868	2.65093	0.1136041	0.23437658	2.6053130	20	9 18.8	19.6
238607 2005 AF_{75}	16.7	X	185.82427	33.33672	121.37613	4.37280	0.0557571	0.23051655	2.6343166	20	9 29.9	20.4
238608 2005 AW_{80}	16.3	X	76.30210	155.56857	103.58433	5.68994	0.2520968	0.22512462	2.6762132	20	10 28.3	20.6
238609 2005 AB_{81}	16.2	X	198.15061	0.90981	114.80901	7.36857	0.0343667	0.22544144	2.6737054	20	8 25.5	19.9
238610 2005 BM	16.6	X	242.77480	12.15623	55.20684	3.41108	0.1337422	0.22914891	2.6447879	20	8 3.8	20.3
238611 2005 BM_{2}	15.9	X	206.24599	69.84550	49.99183	21.70448	0.1696846	0.22792447	2.6542515	20	9 9.2	20.5
238612 2005 BG_{9}	16.7	X	121.16206	139.38891	3.61160	3.86364	0.1503863	0.21563988	2.7541230	20	7 6.2	21.0
238613 2005 BC_{10}	16.6	X	122.48096	109.25193	31.52480	3.76176	0.1358594	0.21665490	2.7455143	20	7 3.2	20.7
238614 2005 BY_{10}	16.5	X	288.47983	316.27328	120.53846	3.95536	0.1062743	0.23643520	2.5901682	20	10 27.2	19.5
238615 2005 BP_{16}	16.3	X	94.52952	280.98550	92.84938	7.14065	0.1269363	0.25773700	2.4454091	20	—	—
238616 2005 BT_{21}	16.9	X	54.07608	233.62025	165.74944	2.22587	0.1632971	0.19056852	2.9906708	20	—	—
238617 2005 BL_{22}	16.7	X	231.91694	66.15580	340.26285	2.54593	0.0568374	0.21982219	2.7190782	20	7 1.8	20.4
238618 2005 BX_{23}	16.4	X	234.29674	92.12687	19.30043	2.99085	0.0753455	0.23307823	2.6149792	20	9 28.7	19.7
238619 2005 BG_{24}	15.5	X	73.39421	236.60277	315.31084	10.75015	0.1928104	0.21144014	2.7904726	20	7 21.8	19.3
238620 2005 BK_{25}	16.1	X	222.85895	29.59932	123.63277	29.00495	0.0580094	0.23807696	2.5782467	20	11 22.2	20.3
238621 2005 BE_{39}	17.0	X	280.01451	209.42699	151.67148	2.33671	0.1007259	0.22196052	2.7015866	20	6 27.1	20.5
238622 2005 CT_{11}	15.2	X	319.78925	154.35546	333.04832	19.70656	0.0124237	0.18378344	3.0638333	20	—	—
238623 2005 CL_{12}	12.9	X	184.10228	285.99003	131.46352	26.15255	0.0916659	0.08360756	5.1797129	20	5 28.3	20.5
238624 2005 CV_{13}	16.3	X	187.18421	298.74606	170.64974	12.80700	0.2299942	0.22351164	2.6890731	20	7 22.9	21.1
238625 2005 CB_{14}	15.7	X	306.13870	173.25862	340.44663	7.79714	0.0655480	0.18545424	3.0454037	20	—	—
238626 2005 CC_{21}	15.8	X	101.51719	49.47181	129.41254	11.87620	0.2670386	0.21396289	2.7684950	20	8 11.9	20.2
238627 2005 CL_{21}	15.8	X	141.68147	50.76603	91.87023	4.50754	0.1358783	0.21682706	2.7440608	20	7 25.6	20.1
238628 2005 CG_{22}	15.7	X	66.72056	144.15716	68.80883	4.41609	0.1839220	0.21303108	2.7765622	20	8 9.4	19.5
238629 2005 CA_{24}	15.7	X	182.00594	274.32724	157.26984	16.76178	0.1283168	0.21612525	2.7499980	20	6 6.9	20.4
238630 2005 CK_{25}	16.3	X	89.85520	119.33329	106.66155	4.07257	0.0133541	0.22226185	2.6991443	20	9 1.6	19.9
238631 2005 CJ_{27}	15.3	X	9.16371	126.97088	312.89990	21.12962	0.0804116	0.18622435	3.0370019	20	—	—
238632 2005 CD_{32}	16.6	X	206.43378	88.20643	4.41525	3.36706	0.0506021	0.22110137	2.7085806	20	8 2.4	20.4
238633 2005 CB_{36}	16.1	X	159.43579	60.17792	107.47806	6.62737	0.0299119	0.22731990	2.6589555	20	9 16.7	19.9
238634 2005 CD_{48}	16.5	X	49.99155	49.98888	162.22517	2.61875	0.1652894	0.21071677	2.7968552	20	7 10.3	19.8
238635 2005 CT_{53}	16.2	X	92.77039	118.95057	140.28241	4.60795	0.0579986	0.23058228	2.6338160	20	10 26.0	19.9
238636 2005 CF_{55}	16.7	X	155.90914	140.52619	7.93113	3.06861	0.0247277	0.22149430	2.7053763	20	8 14.9	20.4
238637 2005 CR_{65}	16.1	X	139.58360	108.83423	0.26261	7.55311	0.1808875	0.21232376	2.7827252	20	6 12.2	20.7
238638 2005 CB_{76}	16.6	X	178.84270	294.03691	118.42407	1.66413	0.0667334	0.20931059	2.8093677	20	5 8.1	20.8
238639 2005 EK_{6}	16.5	X	72.74029	112.56692	5.55930	2.58463	0.1044237	0.19942998	2.9014099	20	3 29.9	20.3
238640 2005 EM_{6}	16.4	X	317.59091	203.90330	48.27842	1.41966	0.0889162	0.19936328	2.9020569	20	3 29.3	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238641 2005 EF_{11}	16.3	X	196.88148	222.68109	353.70038	10.19114	0.1322088	0.23898555	2.5717078	20	12 20.9	20.2
238642 2005 EL_{12}	15.7	X	31.66177	226.58581	11.71157	7.76523	0.1679332	0.21030898	2.8004695	20	7 19.6	19.0
238643 2005 EX_{17}	16.4	X	12.76559	340.95923	156.76528	2.63938	0.0762904	0.19070544	2.9892392	20	1 24.8	20.1
238644 2005 EY_{19}	15.1	X	108.78897	323.36529	341.63543	8.77274	0.0620297	0.17396003	3.1781159	20	12 26.1	20.0
238645 2005 EL_{25}	16.5	X	130.48224	32.81115	97.98833	3.04488	0.2151986	0.21231448	2.7828062	20	7 4.0	21.0
238646 2005 EU_{25}	15.9	X	113.36287	358.37673	344.61169	11.32703	0.0754458	0.24595248	2.5229109	20	—	—
238647 2005 EK_{37}	16.8	X	102.15196	43.42768	357.57053	23.01230	0.0575953	0.38242554	1.8797703	20	—	—
238648 2005 EZ_{40}	15.9	X	58.57485	51.09458	89.92716	14.76911	0.1475206	0.20220473	2.8748057	20	4 22.0	19.7
238649 2005 ET_{42}	16.2	X	306.33554	210.07358	146.25089	6.52823	0.0100067	0.22277791	2.6949744	20	8 9.9	19.6
238650 2005 EV_{44}	16.3	X	129.79509	334.87296	171.69758	4.90563	0.0533368	0.21286084	2.7780424	20	7 10.4	20.2
238651 2005 EC_{45}	16.6	X	88.44999	264.45344	247.15640	0.97292	0.1793455	0.20915572	2.8107543	20	6 13.9	20.5
238652 2005 EE_{58}	15.7	X	340.65026	346.75233	328.74346	13.26526	0.2092765	0.21979649	2.7192902	20	7 31.2	18.1
238653 2005 EX_{77}	16.2	X	78.78647	14.40212	178.88492	8.62487	0.2293929	0.21133453	2.7914021	20	7 31.9	20.3
238654 2005 EY_{85}	16.0	X	184.11424	311.50278	130.21235	7.56386	0.1955880	0.21514699	2.7583277	20	6 18.7	20.8
238655 2005 EV_{97}	15.7	X	89.22606	29.40347	186.63196	8.52149	0.0194392	0.21988567	2.7185548	20	8 15.1	19.5
238656 2005 EU_{102}	16.3	X	28.36932	304.84145	109.09715	2.32501	0.1341260	0.18626887	3.0365180	20	—	—
238657 2005 EV_{103}	16.0	X	89.65502	290.59023	156.92255	2.33105	0.0122124	0.19571342	2.9380261	20	3 1.2	20.1
238658 2005 EP_{109}	15.9	X	161.49478	358.85413	150.79024	5.83474	0.0320518	0.22185932	2.7024081	20	8 22.6	19.6
238659 2005 EG_{114}	16.6	X	323.75543	206.23247	12.94242	2.14396	0.0373675	0.19577533	2.9374066	20	3 2.8	20.4
238660 2005 ER_{116}	15.7	X	241.10665	35.85644	166.23768	5.48086	0.0948221	0.17607465	3.1526190	20	—	—
238661 2005 EW_{121}	16.1	X	66.27483	44.74013	160.27995	5.29950	0.1018032	0.21145294	2.7903599	20	7 13.9	19.8
238662 2005 EN_{128}	16.4	X	318.38599	121.19780	208.94421	2.05366	0.0784172	0.21448600	2.7639918	20	7 14.9	19.7
238663 2005 ES_{138}	15.7	X	77.12305	132.67719	84.60578	9.01691	0.0934173	0.21397559	2.7683855	20	8 16.6	19.6
238664 2005 EL_{143}	16.3	X	187.48043	15.31664	25.38484	2.05770	0.0313573	0.20433117	2.8548259	20	5 2.2	20.2
238665 2005 EJ_{144}	16.2	X	222.41742	230.99621	143.33934	2.66369	0.0773827	0.20558877	2.8431720	20	5 8.2	20.4
238666 2005 ED_{148}	15.7	X	182.45261	300.05785	25.79831	9.31250	0.0617638	0.18633202	3.0358320	20	1 31.6	20.4
238667 2005 EE_{158}	15.7	X	242.89277	30.26838	174.09080	1.33573	0.1197325	0.17678658	3.1441495	20	—	—
238668 2005 ED_{160}	16.3	X	83.49401	255.62822	165.57966	1.05570	0.1427917	0.19036872	2.9927630	20	2 8.3	20.2
238669 2005 EQ_{163}	16.6	X	340.54398	189.59250	125.78429	1.44066	0.0663008	0.21385629	2.7694150	20	7 31.1	19.7
238670 2005 EQ_{171}	15.8	X	334.45050	229.35804	186.16044	28.62529	0.0289679	0.23363147	2.6108494	20	12 8.1	19.8
238671 2005 EM_{179}	16.4	X	287.72236	283.61613	331.09716	1.13844	0.0230617	0.19523524	2.9428214	20	3 2.7	20.3
238672 2005 EK_{182}	15.4	X	240.05018	134.48823	77.53260	1.90716	0.1598580	0.17600615	3.1534370	20	—	—
238673 2005 EN_{185}	16.7	X	292.47453	313.72681	76.84186	1.93335	0.1734270	0.23004663	2.6379029	20	8 17.0	19.7
238674 2005 EX_{187}	15.7	X	262.82087	337.80592	194.54572	4.74839	0.1423425	0.17374566	3.1807295	20	12 27.8	19.9
238675 2005 EN_{192}	16.3	X	120.07171	304.32378	187.57105	4.40845	0.0309154	0.20895827	2.8125247	20	6 7.4	20.3
238676 2005 EC_{193}	15.6	X	242.32351	193.61195	323.69705	2.10087	0.0793656	0.17066206	3.2189290	20	11 22.1	20.2
238677 2005 EN_{201}	15.9	X	245.97549	24.73127	69.51193	14.42239	0.1422674	0.22932688	2.6434194	20	9 18.8	19.8
238678 2005 EP_{205}	16.5	X	152.96874	83.29064	3.07968	4.75401	0.1326385	0.21370756	2.7706997	20	5 24.3	20.8
238679 2005 EL_{207}	16.1	X	141.71890	323.72999	171.78425	8.74561	0.1446577	0.21374619	2.7703658	20	7 15.1	20.6
238680 2005 EA_{209}	16.2	X	342.99231	332.35520	304.45210	2.20385	0.1090953	0.20879708	2.8139720	20	6 8.2	19.5
238681 2005 EM_{212}	15.1	X	247.97656	138.58403	40.96728	17.49512	0.1229123	0.17510294	3.1642716	20	12 18.9	19.7
238682 2005 ES_{219}	16.0	X	352.53102	275.41370	200.92280	4.81473	0.1278585	0.18123170	3.0925254	20	—	—
238683 2005 EX_{226}	16.3	X	62.89806	275.90461	172.91905	9.13399	0.0760226	0.19148755	2.9810941	20	2 3.7	20.2
238684 2005 EF_{235}	16.1	X	143.02578	239.71393	165.37916	12.30605	0.0607543	0.19798077	2.9155515	20	3 20.5	20.4
238685 2005 EH_{237}	16.2	X	203.82562	256.48494	155.52673	4.86673	0.0655888	0.20977364	2.8052319	20	6 5.0	20.3
238686 2005 ES_{243}	15.4	X	183.99807	135.15958	169.09012	9.08503	0.0944448	0.18285181	3.0742313	20	1 5.8	20.3
238687 2005 EK_{246}	15.7	X	264.98227	269.05803	2.16852	11.00230	0.1163327	0.19144775	2.9815072	20	2 17.5	20.2
238688 2005 EO_{248}	16.6	X	263.74669	88.89465	210.08732	1.25326	0.0625688	0.19775573	2.9177629	20	3 22.7	20.6
238689 2005 EL_{253}	16.3	X	331.21274	323.29676	34.74642	3.57210	0.1105541	0.22211335	2.7003472	20	9 15.7	19.3
238690 2005 EK_{255}	16.6	X	324.67238	134.90703	186.74790	5.88494	0.0566833	0.21521375	2.7577573	20	7 14.3	20.1
238691 2005 EK_{263}	16.4	X	215.15530	153.91421	227.81232	1.58471	0.0742809	0.20520648	2.8467020	20	5 8.7	20.7
238692 2005 EA_{269}	16.2	X	4.70641	28.94004	204.91947	11.01730	0.0659156	0.20145873	2.8818983	20	5 17.8	19.9
238693 2005 EG_{269}	14.9	X	255.00466	55.89640	142.46922	17.30439	0.1790762	0.17667651	3.1454552	20	—	—
238694 2005 EO_{270}	16.2	X	109.69787	199.11194	52.86484	4.70527	0.2163224	0.22196251	2.7015705	20	11 11.7	20.7
238695 2005 EX_{283}	15.2	X	216.96037	259.99027	17.46836	15.79501	0.0336023	0.18480287	3.0525556	20	1 11.2	20.0
238696 2005 EE_{287}	16.1	X	82.04135	40.58997	157.87759	9.51398	0.0836168	0.21446224	2.7641959	20	7 23.2	20.0
238697 2005 ES_{287}	15.8	X	332.33758	322.04154	329.44821	8.39347	0.1231612	0.21139951	2.7908301	20	6 8.6	19.2
238698 2005 EM_{288}	15.7	X	129.52179	29.87176	88.95583	12.72943	0.2099484	0.21224359	2.7834259	20	6 17.9	20.3
238699 2005 EP_{323}	15.8	X	292.24206	70.86201	208.91932	10.94828	0.1200028	0.19265494	2.9690393	20	3 24.1	19.9
238700 2005 EC_{327}	15.6	X	304.44014	173.14843	36.25816	7.33139	0.1250100	0.18305981	3.0719022	20	1 17.0	20.0
238701 2005 EE_{327}	16.2	X	31.82481	242.27256	294.65770	0.89088	0.0476213	0.19687783	2.9264303	20	4 10.2	20.1
238702 2005 ED_{328}	15.0	X	323.49608	260.85313	204.47760	12.66233	0.1458645	0.17585645	3.1552264	20	—	—
238703 2005 FR_{4}	15.8	X	103.43542	315.22073	210.72544	12.39486	0.1437995	0.21326487	2.7745326	20	7 12.7	20.2
238704 2005 FO_{5}	16.3	X	151.90815	28.73099	40.28116	2.33888	0.0780955	0.20509678	2.8477170	20	4 29.3	20.6
238705 2005 GY_{9}	15.8	X	217.84377	43.80597	171.66118	3.98992	0.1383005	0.17171582	3.2057465	20	12 26.4	20.7
238706 2005 GF_{10}	15.8	X	210.00147	114.74963	166.40926	9.35643	0.2345496	0.17701925	3.1413938	20	1 4.3	21.4
238707 2005 GZ_{10}	15.4	X	320.60572	98.37389	132.73617	10.76430	0.0299373	0.19332956	2.9621283	20	3 17.5	19.5
238708 2005 GD_{15}	15.7	X	338.36798	266.66343	164.36343	0.96565	0.1310854	0.17346246	3.1841906	20	12 20.7	19.4
238709 2005 GT_{21}	17.6	X	51.85143	290.53729	201.64638	23.00736	0.1261419	0.38966396	1.8564185	20	2 6.9	19.4
238710 Halassy	16.6	X	340.44782	274.77145	39.15042	4.88087	0.0686539	0.21354396	2.7721146	20	7 30.6	20.0
238711 2005 GD_{35}	16.0	X	112.51774	103.06976	342.42217	5.10212	0.0539727	0.19586263	2.9365337	20	3 31.5	20.3
238712 2005 GH_{36}	15.1	X	296.82395	57.69457	47.14115	17.01754	0.1137218	0.17217050	3.2001001	20	11 24.7	19.2
238713 2005 GQ_{37}	15.8	X	331.39330	168.88545	5.84610	15.77809	0.2617178	0.18646259	3.0344145	20	—	—
238714 2005 GP_{40}	16.1	X	319.91138	343.28997	193.09171	7.49639	0.1102821	0.18336405	3.0685032	20	—	—
238715 2005 GQ_{44}	16.2	X	298.09775	300.54810	356.53951	5.68579	0.0439933	0.20299736	2.8673176	20	5 3.7	20.1
238716 2005 GM_{45}	15.5	X	328.78476	201.29797	63.10087	11.92522	0.0268952	0.20245510	2.8724352	20	5 8.5	19.4
238717 2005 GO_{47}	15.9	X	100.06637	338.37844	194.64588	9.01100	0.0664419	0.20998149	2.8033805	20	7 9.3	20.1
238718 2005 GB_{55}	16.6	X	349.75270	222.02984	359.87239	1.72942	0.0550551	0.19833589	2.9120702	20	4 8.2	20.4
238719 2005 GO_{62}	15.1	X	152.69831	293.22864	347.41265	21.62191	0.0915244	0.17564785	3.1577239	20	—	—
238720 2005 GB_{64}	15.5	X	6.88173	210.88418	29.74698	14.87315	0.1916299	0.20413214	2.8566813	20	5 28.9	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238721 2005 GC_{67}	16.4	X	310.58932	277.46576	26.24963	2.20336	0.0435389	0.20370551	2.8606684	20	5 31.5	20.0
238722 2005 GK_{76}	14.7	X	96.00736	192.23327	176.61183	27.39772	0.1023002	0.17820018	3.1274998	20	—	—
238723 2005 GD_{79}	15.1	X	233.93801	115.74977	144.68936	16.63309	0.1807878	0.17780689	3.1321099	20	1 1.3	20.5
238724 2005 GT_{79}	15.7	X	300.47168	138.83917	114.71061	15.17998	0.1003352	0.19132535	2.9827787	20	3 11.9	20.0
238725 2005 GE_{82}	15.9	X	322.87937	134.89210	158.76301	11.38367	0.1065159	0.21015242	2.8018602	20	5 31.4	19.5
238726 2005 GK_{82}	15.2	X	254.52588	215.83463	308.36601	9.29473	0.1107312	0.17461268	3.1701917	20	12 12.0	19.7
238727 2005 GK_{86}	16.3	X	286.14832	204.44460	107.52715	3.27300	0.0532643	0.20304842	2.8668368	20	5 8.9	20.2
238728 2005 GU_{86}	15.8	X	66.59044	245.31320	200.63318	10.00426	0.0919305	0.18667207	3.0321439	20	2 6.5	19.9
238729 2005 GZ_{87}	15.4	X	330.23019	189.51987	346.88529	8.15542	0.1404292	0.18633911	3.0357549	20	1 7.2	19.4
238730 2005 GT_{101}	15.8	X	289.85107	171.71657	26.55131	6.25171	0.1576884	0.18136723	3.0909845	20	—	—
238731 2005 GD_{105}	15.7	X	331.94586	101.59643	191.73724	14.51305	0.1520039	0.20334569	2.8640421	20	6 9.0	19.2
238732 2005 GO_{108}	16.2	X	288.28241	233.69878	61.49793	3.86976	0.1602395	0.19518471	2.9433292	20	4 5.0	20.3
238733 2005 GS_{110}	16.5	X	224.78880	55.77652	232.51408	0.36208	0.0627126	0.18299964	3.0725755	20	1 28.6	21.1
238734 2005 GN_{116}	15.6	X	251.54006	98.30187	214.07563	10.32438	0.0650704	0.19355529	2.9598249	20	3 23.2	19.9
238735 2005 GC_{118}	15.8	X	180.98033	160.95394	184.75348	8.89838	0.1426970	0.18822790	3.0154124	20	2 19.9	20.8
238736 2005 GT_{120}	16.6	X	6.27874	25.14246	249.76786	0.70857	0.0297652	0.21179755	2.7873324	20	7 13.5	20.1
238737 2005 GM_{121}	15.9	X	251.52188	96.04587	168.78344	3.22456	0.2518938	0.18059831	3.0997518	20	1 15.2	21.1
238738 2005 GY_{125}	16.3	X	264.99525	177.48978	142.11306	2.57622	0.0182424	0.20402587	2.8576731	20	4 26.4	20.2
238739 2005 GJ_{128}	15.3	X	263.04740	46.26481	130.47133	5.99747	0.1164811	0.17526420	3.1623304	20	—	—
238740 2005 GS_{130}	15.3	X	294.70036	62.32637	168.20122	23.32668	0.1160257	0.18461754	3.0545981	20	1 28.4	20.0
238741 2005 GX_{131}	15.6	X	161.49565	184.85013	191.06228	12.95548	0.1361865	0.19020122	2.9945198	20	3 8.0	20.4
238742 2005 GQ_{134}	16.5	X	271.73907	238.44385	18.17347	1.70287	0.0152189	0.18709735	3.0275474	20	2 17.3	20.7
238743 2005 GV_{134}	15.7	X	133.82394	140.32529	216.40428	9.42256	0.0726813	0.17937057	3.1138804	20	1 12.6	20.3
238744 2005 GB_{141}	15.3	X	292.10375	33.21214	216.83501	8.38573	0.0797546	0.18856836	3.0117818	20	2 21.0	19.6
238745 2005 GA_{144}	15.9	X	218.45259	293.81229	96.63274	7.27039	0.0780866	0.20111791	2.8851533	20	5 24.6	20.2
238746 2005 GG_{150}	16.2	X	278.93241	187.93679	109.99608	5.82007	0.2531404	0.19120293	2.9840518	20	3 18.3	20.8
238747 2005 GJ_{160}	16.1	X	29.69477	164.72622	59.27975	7.05018	0.0046650	0.20253391	2.8716899	20	6 5.2	20.0
238748 2005 GD_{164}	15.7	X	253.50739	284.49223	28.66970	10.68801	0.0964224	0.19278637	2.9676898	20	3 27.9	20.1
238749 2005 GZ_{171}	15.8	X	158.94687	337.58920	24.77725	10.25438	0.0359690	0.18600470	3.0393924	20	2 17.9	20.3
238750 2005 GL_{174}	15.9	X	218.54400	133.82234	188.97467	9.55499	0.0973766	0.18825547	3.0151180	20	2 28.2	20.7
238751 2005 GG_{225}	15.7	X	40.92241	188.91804	203.36847	4.49800	0.1589211	0.17148431	3.2086311	20	—	—
238752 2005 HF_{4}	15.1	X	37.81061	48.26032	50.72516	22.97138	0.0441541	0.18275915	3.0752703	20	1 16.0	19.6
238753 2005 HY_{7}	15.9	X	268.52987	124.36483	142.44528	8.64319	0.2073652	0.18495137	3.0509214	20	2 3.6	20.6
238754 2005 HN_{10}	16.7	X	285.78062	225.24533	64.50970	2.83662	0.0330703	0.19513097	2.9438697	20	4 12.9	20.6
238755 2005 JA_{1}	15.4	X	7.05413	308.24124	191.09384	10.63157	0.0330839	0.18197860	3.0840577	20	1 20.4	19.8
238756 2005 JY_{3}	16.0	X	73.65919	314.46432	196.11081	14.82711	0.0682267	0.20159805	2.8805705	20	5 9.1	20.0
238757 2005 JB_{15}	15.9	X	238.39276	333.64862	43.89293	2.66981	0.0510056	0.20653883	2.8344464	20	6 1.6	19.8
238758 2005 JK_{16}	16.0	X	199.77301	300.16480	133.92514	7.94423	0.1496846	0.21078108	2.7962863	20	6 24.3	20.5
238759 2005 JY_{20}	15.7	X	273.74254	196.57184	43.49698	9.83583	0.0279459	0.18244281	3.0788241	20	2 1.5	20.2
238760 2005 JP_{28}	15.8	X	183.71637	125.62336	197.97383	13.19180	0.0928915	0.17783667	3.1317602	20	1 26.1	20.9
238761 2005 JW_{54}	16.4	X	175.40458	325.02013	321.52579	0.32895	0.1357943	0.16976077	3.2303122	20	—	—
238762 2005 JK_{61}	16.0	X	257.62932	141.11079	140.65595	5.60487	0.1440062	0.18405023	3.0608719	20	2 17.3	20.7
238763 2005 JT_{68}	15.3	X	230.91793	202.14359	95.07960	13.45832	0.2427347	0.18215649	3.0820495	20	2 8.3	20.7
238764 2005 JV_{81}	16.3	X	34.70749	51.84408	134.80658	6.60959	0.0902688	0.19546208	2.9405441	20	5 4.0	20.0
238765 2005 JJ_{82}	16.1	X	344.74960	51.44165	197.19212	8.02078	0.1649530	0.19973037	2.8985001	20	4 29.5	19.3
238766 2005 JF_{85}	15.5	X	294.07060	113.05224	113.87220	3.66804	0.0935972	0.18360809	3.0657837	20	1 28.6	19.8
238767 2005 JV_{85}	15.9	X	1.14098	322.99423	218.93518	9.15335	0.0476285	0.18851288	3.0123727	20	3 2.2	20.0
238768 2005 JD_{87}	16.0	X	223.30350	197.33158	151.60629	2.47702	0.0404117	0.19849670	2.9104972	20	4 10.1	20.3
238769 2005 JL_{93}	15.5	X	294.52700	297.86624	262.98688	9.65310	0.1628283	0.18004023	3.1061542	20	—	—
238770 2005 JN_{93}	15.5	X	12.37425	304.37962	240.39407	9.72305	0.0392505	0.19079429	2.9883110	20	3 20.7	19.7
238771 Juhászbalázs	15.8	X	52.93798	18.28324	108.97366	9.16584	0.0535813	0.18852874	3.0122037	20	3 12.8	19.9
238772 2005 JZ_{94}	15.4	X	191.65512	277.83216	53.32521	10.27043	0.0724289	0.18288714	3.0738354	20	2 18.3	20.2
238773 2005 JO_{97}	15.8	X	196.74813	124.99673	166.07813	4.65627	0.1446183	0.17507331	3.1646286	20	1 5.1	20.9
238774 2005 JM_{106}	16.4	X	287.64451	41.76741	237.96892	4.63576	0.2548069	0.18899272	3.0072717	20	2 29.6	21.1
238775 2005 JV_{127}	15.4	X	275.26729	18.31402	207.15990	10.39209	0.0872590	0.17913511	3.1166084	20	1 5.4	20.1
238776 2005 JR_{136}	16.3	X	313.25640	179.98227	133.12429	7.62521	0.0973302	0.20447092	2.8535250	20	6 11.7	19.9
238777 2005 JO_{138}	15.7	X	33.32676	270.28015	195.02755	11.17141	0.0520614	0.17940719	3.1134566	20	1 14.2	20.0
238778 2005 JB_{139}	15.3	X	286.83591	19.44035	234.12495	9.24269	0.0567174	0.18602299	3.0391931	20	2 21.5	19.7
238779 2005 JF_{139}	15.6	X	282.78499	135.03260	157.41497	12.83332	0.2317739	0.18995807	2.9970746	20	3 17.2	20.1
238780 2005 JD_{145}	15.6	X	248.09899	261.22150	70.66867	11.69299	0.1251576	0.19085337	2.9876943	20	4 13.6	20.3
238781 2005 JD_{147}	15.7	X	339.49211	82.37110	119.49057	15.52930	0.0865810	0.18752691	3.0229223	20	3 1.0	19.7
238782 2005 JK_{147}	15.3	X	158.11517	148.46889	198.18880	22.96722	0.1675395	0.17486917	3.1670911	20	1 31.6	20.8
238783 2005 JA_{150}	15.6	X	202.39646	224.21782	106.87442	7.66450	0.1750582	0.18226275	3.0808515	20	2 26.2	20.8
238784 2005 JK_{151}	15.3	X	262.62603	131.78574	107.91433	16.99788	0.1537345	0.17807281	3.1289910	20	1 4.1	20.1
238785 2005 JE_{162}	15.8	X	309.08540	71.98030	94.15559	11.10307	0.1150845	0.17560980	3.1581800	20	—	—
238786 2005 JK_{162}	16.7	X	25.77301	204.82031	137.94304	5.73370	0.0685531	0.21860632	2.7291510	20	11 16.5	20.3
238787 2005 JX_{180}	15.5	X	101.46161	35.17142	44.30690	9.28046	0.0112265	0.18887751	3.0084944	20	3 11.0	19.8
238788 2005 KX_{3}	16.2	X	117.75254	329.17224	108.08204	3.57150	0.0583496	0.19136885	2.9823267	20	3 31.8	20.5
238789 2005 KA_{9}	15.9	X	280.87959	109.61153	129.62902	3.98613	0.1433880	0.18214295	3.0822023	20	1 21.9	20.6
238790 2005 KY_{9}	15.3	X	225.73687	245.87544	33.58094	17.14047	0.2074529	0.17714898	3.1398599	20	1 18.3	20.9
238791 2005 KZ_{11}	15.2	X	265.21502	349.18084	242.28378	17.39899	0.1655361	0.17698531	3.1417954	20	—	—
238792 2005 KU_{13}	15.6	X	225.63412	205.88351	94.55254	9.66486	0.1565435	0.18048866	3.1010072	20	2 11.1	20.7
238793 2005 KE_{14}	15.9	X	322.50124	213.93985	110.38113	13.09294	0.0543521	0.19662627	2.9289257	20	7 14.8	19.6
238794 2005 LO_{1}	15.7	X	145.41412	268.05037	131.34947	11.67917	0.1010768	0.18518266	3.0483805	20	3 23.6	20.4
238795 2005 LK_{4}	15.3	X	315.92547	356.48845	190.34415	9.16490	0.0258432	0.18031762	3.1029678	20	1 14.8	19.8
238796 2005 LF_{10}	15.9	X	269.85940	212.16419	88.79917	8.91999	0.1730517	0.18922222	3.0048396	20	3 24.2	20.5
238797 2005 LM_{21}	15.5	X	201.27233	301.32624	58.67989	5.33975	0.0108876	0.19008736	2.9957154	20	4 1.1	19.7
238798 2005 LZ_{21}	15.6	X	297.74877	128.82555	164.07963	7.88917	0.3011422	0.19087011	2.9875197	20	3 24.5	19.7
238799 2005 LU_{22}	15.3	X	202.02952	182.48534	113.84584	7.35841	0.1209916	0.17030194	3.2234652	20	1 16.5	20.4
238800 2005 LL_{27}	16.8	X	312.34346	133.59802	161.77655	6.59190	0.2205160	0.19606338	2.9345289	20	4 29.8	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238801 2005 LF_{36}	15.4	X	74.67089	38.40664	66.43608	8.12032	0.0200355	0.18728144	3.0255632	20	3 10.1	19.7
238802 2005 LB_{38}	15.7	X	234.80052	158.63806	126.39649	7.60599	0.0996634	0.18011414	3.1053044	20	2 2.7	20.3
238803 2005 LB_{53}	14.9	X	312.53716	67.41140	86.60705	23.86086	0.0954649	0.17358440	3.1826991	20	—	—
238804 2005 LH_{53}	14.8	X	355.55405	152.51250	151.65903	3.49285	0.2239807	0.12496798	3.9622044	20	8 1.3	19.0
238805 2005 LZ_{53}	16.2	X	202.74940	193.64252	87.94019	2.36451	0.1098591	0.16806502	3.2520047	20	—	—
238806 2005 MQ_{1}	15.0	X	216.43569	234.58138	72.71442	23.37287	0.1857015	0.17487520	3.1670182	20	2 15.8	20.7
238807 2005 MQ_{7}	15.0	X	210.19097	198.62747	76.43131	15.87966	0.0795253	0.17402485	3.1773267	20	—	—
238808 2005 MS_{10}	15.6	X	327.54883	304.52303	233.24337	9.06490	0.1353154	0.18094654	3.0957736	20	1 4.3	19.7
238809 2005 MT_{13}	15.7	X	272.32059	99.02673	140.04847	10.56766	0.0824596	0.17974559	3.1095476	20	1 19.6	20.4
238810 2005 MY_{29}	15.9	X	208.60930	143.48499	254.45688	6.38149	0.0535331	0.18535899	3.0464469	20	5 23.2	20.3
238811 2005 NO_{20}	17.0	X	297.14304	243.21755	301.40489	17.64398	0.0785892	0.36780644	1.9292559	20	—	—
238812 2005 ND_{23}	15.0	X	236.67982	191.02675	130.34315	27.27798	0.1715885	0.17936739	3.1139171	20	3 18.5	20.3
238813 2005 NT_{70}	15.2	X	239.31376	202.95583	108.35411	15.60255	0.2618162	0.17657088	3.1467096	20	3 2.7	20.8
238814 2005 NU_{123}	16.1	X	233.27825	146.96461	152.51260	15.98091	0.1677616	0.17482412	3.1676351	20	2 13.9	21.2
238815 2005 OQ_{16}	17.3	X	278.70061	66.14799	148.41124	23.70837	0.0619328	0.36714898	1.9315584	20	—	—
238816 2005 PU_{9}	15.7	X	340.09658	107.71173	149.26404	9.52095	0.0894524	0.18538415	3.0461713	20	5 11.9	19.7
238817 Titeuf	15.9	X	266.61293	235.44465	128.69857	7.33161	0.2431979	0.18552365	3.0446440	20	5 26.1	20.6
238818 2005 PO_{23}	14.1	X	351.41319	263.16372	31.10193	8.48398	0.1207220	0.12371247	3.9889665	20	7 13.6	19.2
238819 2005 QL_{1}	14.3	X	321.31603	153.76926	168.99677	7.11574	0.1794292	0.12539819	3.9531371	20	6 23.9	19.2
238820 2005 QX_{4}	16.8	X	178.86582	291.74517	348.01179	18.35405	0.0628445	0.35918539	1.9600039	20	—	—
238821 2005 QJ_{9}	16.8	X	91.07964	6.02286	5.92774	5.34574	0.1754346	0.28750065	2.2735796	20	—	—
238822 2005 QQ_{60}	17.2	X	53.62094	157.80018	220.64730	3.02286	0.1906283	0.28185066	2.3038631	20	—	—
238823 2005 QK_{73}	15.8	X	282.82648	111.65490	214.91469	5.63396	0.2430921	0.18326219	3.0696401	20	4 25.4	20.2
238824 2005 QK_{90}	15.9	X	233.55165	188.10149	154.72510	2.62496	0.1358946	0.17771566	3.1331817	20	4 7.6	20.8
238825 2005 SH_{10}	15.7	X	66.28957	11.16229	53.56877	25.77175	0.2091313	0.28796159	2.2711527	20	—	—
238826 2005 SJ_{62}	15.6	X	269.25859	253.02498	24.37630	6.83404	0.2426992	0.17197933	3.2024710	20	2 17.3	20.8
238827 2005 SE_{85}	14.9	X	18.47051	103.53848	179.58716	1.45811	0.1798117	0.12437213	3.9748492	20	8 15.4	19.7
238828 2005 SU_{100}	17.4	X	358.90040	272.18575	256.97442	3.39518	0.0791933	0.29594251	2.2301349	20	1 24.3	19.6
238829 2005 SZ_{185}	14.2	X	348.04867	138.13822	171.01876	9.60881	0.2360913	0.12355385	3.9923798	20	7 21.2	18.6
238830 2005 TM_{13}	16.5	X	66.64672	54.78109	349.03698	5.70596	0.1873394	0.28257164	2.2999426	20	—	—
238831 2005 TZ_{61}	18.1	X	147.48579	298.56858	153.62998	2.35198	0.1033705	0.30711294	2.1757249	20	5 25.5	20.9
238832 2005 TG_{65}	17.8	X	345.13233	348.30412	126.23108	3.13023	0.1179371	0.28254534	2.3000853	20	—	—
238833 2005 TZ_{82}	17.1	X	115.17715	53.31932	322.64040	3.56454	0.0768187	0.28934932	2.2638852	20	—	—
238834 2005 TN_{134}	15.0	X	6.01644	102.12251	197.67850	2.58069	0.2002391	0.12370977	3.9890246	20	8 15.2	19.6
238835 2005 TX_{179}	16.9	X	30.71955	206.39272	235.56505	3.84130	0.1447542	0.28604228	2.2813008	20	—	—
238836 2005 TX_{190}	16.9	X	319.31210	291.91342	257.82238	4.62787	0.1225301	0.27793600	2.3254456	20	—	—
238837 2005 UH_{2}	17.7	X	189.47400	331.79082	54.98197	1.76877	0.1689482	0.30479558	2.1867389	20	4 13.2	20.9
238838 2005 UH_{9}	17.1	X	101.14004	24.75476	50.57286	8.95278	0.2132785	0.29496632	2.2350527	20	3 24.8	19.8
238839 2005 UE_{13}	17.4	X	324.12549	267.09667	220.79754	4.88584	0.1022205	0.27972902	2.3154978	20	—	—
238840 2005 UX_{29}	17.2	X	341.14183	63.19381	36.56747	6.00458	0.1059914	0.27584827	2.3371641	20	—	—
238841 2005 UY_{124}	17.5	X	335.04734	96.61256	352.98591	0.99031	0.1549243	0.27202722	2.3589993	20	—	—
238842 2005 UX_{147}	17.6	X	50.97351	149.23856	341.24411	2.28368	0.1240831	0.29356474	2.2421609	20	3 2.4	19.2
238843 2005 UM_{172}	17.6	X	38.25886	106.92954	45.63130	3.45757	0.0915027	0.29558944	2.2319105	20	3 11.7	19.7
238844 2005 US_{185}	17.8	X	199.98492	337.11954	56.30812	3.79470	0.0984629	0.30524255	2.1846037	20	5 3.6	20.6
238845 2005 UX_{196}	18.2	X	114.20607	232.53016	201.86385	3.00560	0.1538905	0.29663611	2.2266573	20	3 26.3	20.9
238846 2005 US_{220}	17.6	X	72.18464	239.94300	293.25959	3.05360	0.0845977	0.30742697	2.1742430	20	6 7.8	19.9
238847 2005 UR_{279}	14.8	X	161.81723	5.62642	186.78311	2.48628	0.1308905	0.12442441	3.9737359	20	10 3.5	21.0
238848 2005 UO_{456}	18.0	X	68.88947	114.66506	13.13857	3.08657	0.1664619	0.29624920	2.2285956	20	4 7.5	20.0
238849 2005 UH_{491}	15.1	X	235.69018	256.91654	48.31686	13.53928	0.2923057	0.17475285	3.1684963	20	2 22.7	20.9
238850 2005 UL_{530}	16.2	X	233.91020	213.34442	139.41060	6.13022	0.0844396	0.22343566	2.6896827	20	4 23.9	20.1
238851 2005 VS_{3}	16.6	X	144.59370	85.93678	248.85215	5.79986	0.2785960	0.28747268	2.2737271	20	1 5.9	19.9
238852 2005 VZ_{6}	16.8	X	20.23967	104.58313	348.28932	21.51914	0.2886702	0.28013277	2.3132724	20	—	—
238853 2005 VZ_{30}	16.6	X	233.01600	94.11042	66.28382	5.87006	0.2284836	0.26107295	2.4245332	20	11 13.7	19.8
238854 2005 VL_{86}	17.3	X	141.70638	10.64498	101.53927	6.35809	0.0945092	0.30545610	2.1835854	20	6 15.1	20.1
238855 2005 WN_{6}	17.2	X	356.84640	339.97456	60.38679	4.01850	0.1849916	0.26822161	2.3812603	20	—	—
238856 2005 WQ_{77}	17.2	X	4.03580	146.95398	63.99356	7.67641	0.0410521	0.29772017	2.2212488	20	4 11.5	19.5
238857 2005 WN_{87}	16.9	X	121.63693	3.17883	88.55486	6.56029	0.1204360	0.29544275	2.2326492	20	4 27.6	19.8
238858 2005 WV_{113}	17.5	X	103.11808	23.11185	37.86666	5.13375	0.1085196	0.29019240	2.2594984	20	2 17.8	20.1
238859 2005 WB_{116}	17.0	X	286.80314	268.62830	207.32400	3.11845	0.1888663	0.26399729	2.4065953	20	12 18.2	18.8
238860 2005 WJ_{125}	17.0	X	192.95941	24.93594	231.70514	4.25270	0.0648049	0.27903912	2.3193128	20	—	—
238861 2005 WL_{140}	17.2	X	339.60198	146.96568	88.86039	5.21570	0.0736535	0.29365271	2.2417132	20	4 5.5	19.5
238862 2005 WV_{150}	16.8	X	219.82495	154.22946	344.87629	3.24292	0.1367179	0.25534161	2.4606791	20	10 11.1	20.1
238863 2005 WK_{158}	17.1	X	287.62096	85.23346	83.43429	2.23181	0.1526440	0.26773065	2.3841706	20	—	—
238864 2005 WJ_{180}	17.5	X	98.65547	222.52907	211.88906	3.53597	0.1441608	0.29138947	2.2533059	20	3 2.9	19.9
238865 2005 XA_{6}	17.6	X	87.00559	282.42221	243.24476	3.44637	0.0515909	0.30537151	2.1839886	20	6 13.6	19.9
238866 2005 XP_{18}	17.4	X	45.64999	313.14978	102.65417	3.31858	0.2005963	0.27684319	2.3315612	20	—	—
238867 2005 XP_{20}	17.8	X	12.81787	167.59909	6.10485	2.84694	0.0808793	0.29162655	2.2520845	20	2 26.3	19.9
238868 2005 XQ_{26}	17.1	X	60.66087	38.26235	52.83017	3.27791	0.1656035	0.28393110	2.2925954	20	1 28.1	18.9
238869 2005 XB_{35}	17.3	X	23.43469	341.56282	114.51339	2.79679	0.1671327	0.27846411	2.3225045	20	—	—
238870 2005 XA_{37}	17.2	X	8.83267	162.03914	350.01917	1.78301	0.1652917	0.28229883	2.3014241	20	1 10.5	19.2
238871 2005 XS_{49}	16.8	X	303.73124	174.20441	47.99207	6.33641	0.1175419	0.28468170	2.2885638	20	1 15.9	19.7
238872 2005 XN_{56}	17.0	X	131.46718	39.66195	45.51408	8.00462	0.1045964	0.29764935	2.2216011	20	4 26.6	19.8
238873 2005 XN_{91}	17.6	X	309.04895	143.23204	26.62068	2.88840	0.0994753	0.27499228	2.3420116	20	—	—
238874 2005 YD_{5}	17.5	X	18.21515	114.84399	64.74136	4.23218	0.1500218	0.29133280	2.2535980	20	3 16.7	19.1
238875 2005 YT_{15}	17.8	X	307.78361	284.89741	227.58780	0.49104	0.1286997	0.26929007	2.3749574	20	—	—
238876 2005 YU_{24}	17.2	X	358.43531	203.29110	278.13326	1.72297	0.1666484	0.27537744	2.3398274	20	—	—
238877 2005 YP_{25}	17.3	X	279.38327	56.46695	119.16632	2.96489	0.1519916	0.26737910	2.3862599	20	—	—
238878 2005 YB_{27}	17.3	X	59.17158	39.26301	313.92086	4.36172	0.1527037	0.26566452	2.3965161	20	—	—
238879 2005 YP_{29}	17.7	X	130.32662	1.56092	94.20644	3.38785	0.0538277	0.30121094	2.2040540	20	5 4.2	20.3
238880 2005 YE_{32}	17.4	X	316.29255	169.51868	330.59742	1.81686	0.1413476	0.26869929	2.3784373	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238881 2005 YM_{40}	17.1	X	234.01885	172.43499	325.34031	2.65671	0.1035170	0.25497244	2.4630537	20	10 31.4	20.2
238882 2005 YY_{42}	16.1	X	61.86277	334.14643	285.89585	12.44858	0.2399390	0.24141878	2.5543987	20	10 7.0	20.1
238883 2005 YK_{43}	18.0	X	325.72028	279.65569	206.39798	1.46618	0.1466933	0.26930718	2.3748568	20	—	—
238884 2005 YV_{48}	17.5	X	319.77298	94.85766	95.80904	3.59191	0.1263282	0.27734835	2.3287292	20	—	—
238885 2005 YC_{51}	16.7	X	285.13101	143.85460	111.45659	6.88557	0.0853665	0.28496667	2.2870378	20	2 10.3	19.7
238886 2005 YB_{64}	17.3	X	331.05146	266.97968	87.78343	3.15432	0.1950233	0.31910598	2.1208637	20	10 8.1	18.2
238887 2005 YB_{66}	17.6	X	15.78587	73.47263	40.27444	3.17316	0.1561785	0.27696232	2.3308926	20	—	—
238888 2005 YR_{71}	17.4	X	117.63158	56.75733	28.88820	4.00339	0.1019484	0.29383817	2.2407698	20	4 9.0	20.2
238889 2005 YS_{72}	17.0	X	323.01112	145.49663	83.68516	6.83122	0.0939844	0.28959336	2.2626132	20	2 26.6	19.6
238890 2005 YG_{86}	17.4	X	304.67066	111.02234	79.67991	1.32012	0.1405064	0.27590242	2.3368583	20	—	—
238891 2005 YT_{91}	17.4	X	2.78276	342.88716	152.62469	2.45047	0.1647660	0.27715947	2.3297871	20	—	—
238892 2005 YB_{94}	16.9	X	338.56664	174.34119	346.32906	5.89173	0.1231226	0.27754884	2.3276076	20	—	—
238893 2005 YE_{94}	17.3	X	89.10967	21.57913	55.14684	4.98455	0.1879848	0.28639016	2.2794531	20	3 4.2	19.7
238894 2005 YZ_{118}	17.1	X	350.72837	55.62576	114.34826	6.07099	0.0962301	0.28253962	2.3001164	20	1 13.7	19.3
238895 2005 YU_{123}	17.1	X	60.21244	41.11382	28.37406	6.10242	0.1644536	0.28030958	2.3122995	20	—	—
238896 2005 YH_{138}	17.7	X	304.60319	157.68656	75.90106	3.44464	0.1216114	0.28406390	2.2918808	20	1 31.6	20.6
238897 2005 YX_{150}	17.9	X	21.94558	86.47846	342.75191	2.03152	0.2097213	0.27245929	2.3565046	20	—	—
238898 2005 YM_{153}	17.2	X	29.31189	61.99819	67.29640	5.91346	0.0992356	0.28228833	2.3014812	20	1 22.0	19.4
238899 2005 YY_{154}	17.5	X	343.75364	115.45822	22.42147	2.90588	0.1302565	0.27386999	2.3484055	20	—	—
238900 2005 YT_{163}	17.3	X	232.04748	286.07808	122.39808	3.24886	0.0735456	0.30985501	2.1628698	20	7 6.4	19.9
238901 2005 YP_{172}	16.0	X	207.68165	61.36051	19.66337	13.14538	0.1435524	0.24029678	2.5623439	20	7 15.2	20.2
238902 2005 YO_{184}	17.4	X	39.71869	314.43856	166.88971	4.01911	0.0943389	0.28317928	2.2966513	20	1 26.6	19.6
238903 2005 YA_{185}	16.6	X	276.22360	238.29419	178.41740	5.27366	0.1638325	0.25016876	2.4944837	20	8 30.5	19.3
238904 2005 YH_{187}	17.7	X	18.23373	331.74839	109.73375	1.31314	0.1709805	0.27364062	2.3497176	20	—	—
238905 2005 YE_{192}	17.7	X	5.76679	18.93896	85.04969	3.65798	0.1302636	0.27246148	2.3564920	20	—	—
238906 2005 YA_{193}	16.9	X	264.54266	319.47225	302.97464	5.70980	0.1267915	0.28034676	2.3120951	20	1 21.7	20.3
238907 2005 YD_{205}	17.0	X	324.80809	133.42558	107.85027	4.69869	0.1311496	0.28900918	2.2656611	20	3 10.8	19.4
238908 2005 YT_{227}	17.9	X	300.55512	22.89189	155.37469	2.80828	0.1036776	0.27361476	2.3498657	20	—	—
238909 2005 YH_{269}	16.6	X	272.96001	72.80769	136.85206	7.05434	0.0734564	0.26991921	2.3712655	20	—	—
238910 2005 YN_{269}	16.7	X	128.13698	18.78102	141.54720	10.96869	0.1908780	0.23145987	2.6271543	20	8 7.0	21.0
238911 2006 AJ_{6}	16.8	X	348.01223	329.09367	150.54748	7.53665	0.1101427	0.27444969	2.3450974	20	—	—
238912 2006 AB_{9}	16.4	X	249.96786	132.34223	28.52866	11.75572	0.1744563	0.25721191	2.4487362	20	12 12.8	19.4
238913 2006 AE_{9}	16.5	X	30.29741	344.37650	128.79677	8.87227	0.1533955	0.27783456	2.3260116	20	—	—
238914 2006 AR_{12}	17.2	X	269.85234	170.65964	281.06664	4.09318	0.0779169	0.25460467	2.4654251	20	10 22.7	20.2
238915 2006 AA_{15}	17.1	X	332.06899	17.93991	131.06717	4.30730	0.0817043	0.27295622	2.3536437	20	—	—
238916 2006 AE_{16}	18.0	X	322.55919	56.84256	139.36723	2.73571	0.1492448	0.27873090	2.3210223	20	—	—
238917 2006 AR_{24}	17.4	X	304.95782	252.79099	306.10391	2.69100	0.1394288	0.27797060	2.3252526	20	—	—
238918 2006 AW_{26}	17.6	X	144.10619	44.31272	3.97501	1.35461	0.1444679	0.29241550	2.2480318	20	3 25.7	20.6
238919 2006 AD_{29}	17.3	X	342.11570	142.89127	331.61936	2.51541	0.1494216	0.26841071	2.3801417	20	—	—
238920 2006 AJ_{37}	17.3	X	237.19297	233.09782	0.14256	1.11903	0.1430087	0.26831427	2.3807120	20	—	—
238921 2006 AQ_{37}	15.9	X	50.20158	346.59235	304.18645	13.66054	0.1890499	0.24599809	2.5225990	20	10 27.6	19.7
238922 2006 AR_{41}	17.0	X	27.81571	320.75747	146.82927	3.68493	0.0940153	0.27731681	2.3289058	20	—	—
238923 2006 AG_{43}	17.5	X	305.31564	21.38869	194.23301	1.84641	0.1611088	0.27768430	2.3268506	20	1 2.9	20.4
238924 2006 AN_{57}	16.7	X	269.36225	144.12341	85.43958	7.51448	0.0580773	0.27876675	2.3208233	20	—	—
238925 2006 AQ_{59}	17.4	X	308.10098	73.76378	117.11129	1.22934	0.1588920	0.27596913	2.3364817	20	—	—
238926 2006 AT_{76}	16.6	X	323.57808	72.63452	135.99308	7.45007	0.0476343	0.28116519	2.3076061	20	2 3.6	19.1
238927 2006 AX_{82}	17.3	X	11.14526	303.62848	199.90230	3.29660	0.1583477	0.27970105	2.3156521	20	1 2.8	19.2
238928 2006 AQ_{83}	16.6	X	207.99774	330.49620	114.87655	18.02674	0.1512612	0.23998505	2.5645623	20	7 17.7	20.6
238929 2006 AZ_{83}	17.2	X	296.60031	134.35750	41.73672	2.85999	0.1018187	0.26964021	2.3729010	20	—	—
238930 2006 AY_{84}	17.0	X	287.17429	96.00256	90.33675	6.07282	0.1771567	0.26709093	2.3879760	20	—	—
238931 2006 AZ_{85}	16.6	X	291.35256	151.14207	15.05468	2.93125	0.1198301	0.26639839	2.3921128	20	—	—
238932 2006 AF_{90}	17.0	X	320.42107	213.47398	104.79094	2.80195	0.1066256	0.31119254	2.1566678	20	7 4.6	18.7
238933 2006 AP_{96}	17.2	X	299.93402	357.94104	157.14938	5.43924	0.1557277	0.26660542	2.3908743	20	—	—
238934 2006 AU_{100}	17.5	X	224.85832	63.52290	190.89769	1.38477	0.2082785	0.26380715	2.4077515	20	—	—
238935 2006 AW_{100}	17.3	X	19.59904	325.83200	149.98895	4.55231	0.0606967	0.27446598	2.3450046	20	—	—
238936 2006 BE_{6}	16.8	X	288.36934	328.84980	156.51659	7.95776	0.0673430	0.25925417	2.4358594	20	—	—
238937 2006 BY_{6}	17.8	X	338.99997	202.94351	301.24700	0.85906	0.1228750	0.27282110	2.3544208	20	—	—
238938 2006 BH_{11}	16.7	X	260.70957	84.01694	124.61593	5.77821	0.1758364	0.26588658	2.3951816	20	—	—
238939 2006 BJ_{13}	16.9	X	357.83960	315.28008	184.83037	4.65715	0.1786161	0.27637792	2.3341772	20	—	—
238940 2006 BC_{17}	16.7	X	298.68896	114.42811	116.18661	7.64790	0.0597670	0.28075033	2.3098788	20	1 29.1	19.6
238941 2006 BJ_{17}	17.5	X	295.50154	288.98055	276.35134	1.23132	0.0757729	0.27597741	2.3364350	20	—	—
238942 2006 BU_{17}	18.0	X	11.31301	306.16981	153.40069	1.36644	0.1467482	0.27338157	2.3512017	20	—	—
238943 2006 BV_{19}	16.4	X	274.61991	25.98221	144.98166	6.83310	0.0817051	0.26456208	2.4031690	20	—	—
238944 2006 BD_{24}	17.7	X	244.23203	23.05575	185.84217	1.21412	0.1283795	0.26563979	2.3966648	20	—	—
238945 2006 BT_{25}	16.7	X	332.02144	156.28569	14.84943	7.30198	0.0405448	0.27527600	2.3404021	20	—	—
238946 2006 BE_{26}	17.0	X	287.76688	348.85201	152.43569	3.26641	0.1388705	0.26230731	2.4169210	20	—	—
238947 2006 BT_{33}	16.8	X	12.18165	331.09988	138.11053	7.54475	0.0536201	0.26957331	2.3732935	20	—	—
238948 2006 BA_{38}	17.4	X	353.41656	62.40647	45.52901	1.92223	0.1303239	0.26832938	2.3806227	20	—	—
238949 2006 BL_{43}	17.1	X	325.37706	63.20328	75.96873	3.99705	0.1239425	0.26824594	2.3811163	20	—	—
238950 2006 BD_{44}	17.2	X	300.35233	166.98644	16.63055	1.63058	0.1159560	0.26970455	2.3725235	20	—	—
238951 2006 BW_{53}	17.2	X	214.31877	248.72316	0.42160	1.72468	0.1661434	0.26180333	2.4200218	20	—	—
238952 2006 BS_{60}	16.8	X	241.83148	158.21652	128.53630	3.01804	0.2035279	0.27460449	2.3442160	20	1 26.1	20.5
238953 2006 BG_{68}	16.9	X	261.71185	127.40726	115.81028	5.40759	0.1196876	0.27517181	2.3409929	20	—	—
238954 2006 BJ_{80}	16.3	X	95.33660	68.94141	120.33174	8.36933	0.0850275	0.22978958	2.6398697	20	7 30.6	19.8
238955 2006 BC_{81}	16.8	X	167.06156	224.87180	82.07512	3.22846	0.2106826	0.26454469	2.4032743	20	—	—
238956 2006 BD_{83}	16.6	X	300.05993	200.52735	293.18329	5.25412	0.0701025	0.26365500	2.4086778	20	—	—
238957 2006 BB_{90}	17.0	X	275.68921	92.03687	128.50863	7.40871	0.0663554	0.27315829	2.3524828	20	—	—
238958 2006 BF_{94}	17.2	X	224.37964	82.40072	184.31893	2.26418	0.1605021	0.26852155	2.3794867	20	—	—
238959 2006 BK_{94}	17.8	X	325.48210	278.95625	202.28011	1.47284	0.1799346	0.26525669	2.3989719	20	—	—
238960 2006 BS_{100}	16.4	X	333.38321	16.62096	86.81231	8.47419	0.0519833	0.26122561	2.4235885	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
238961 2006 BC_{102}	17.3	X	233.49395	52.34452	170.77555	2.70740	0.1564989	0.26311000	2.4120028	20	—	—
238962 2006 BB_{103}	17.2	X	272.40324	249.90473	280.13317	1.89303	0.2080074	0.26213201	2.4179984	20	—	—
238963 2006 BJ_{115}	16.8	X	260.10055	153.22184	162.49838	4.91554	0.1670412	0.28792016	2.2713706	20	3 21.9	20.1
238964 2006 BJ_{117}	16.9	X	248.62976	101.51387	149.14482	5.15691	0.0931551	0.27156135	2.3616964	20	—	—
238965 2006 BK_{125}	16.1	X	231.45641	224.30443	147.09334	11.04223	0.1515214	0.22569857	2.6716743	20	5 10.5	20.5
238966 2006 BB_{127}	18.0	X	25.61651	177.64174	255.07285	0.61191	0.1585485	0.26881779	2.3777382	20	—	—
238967 2006 BN_{130}	17.1	X	200.47128	165.54013	163.07862	6.83375	0.1351033	0.27748913	2.3279415	20	2 9.4	20.7
238968 2006 BH_{142}	17.3	X	45.27564	67.08940	351.52081	2.00125	0.1897602	0.27048800	2.3679401	20	—	—
238969 2006 BE_{148}	16.3	X	176.53103	269.72573	143.53708	13.09598	0.1912223	0.22674218	2.6634702	20	5 11.8	21.0
238970 2006 BU_{151}	17.2	X	279.30601	73.30845	95.00582	3.00446	0.1587237	0.26380006	2.4077947	20	—	—
238971 2006 BK_{154}	17.1	X	326.58831	60.00209	119.60131	4.16629	0.1033280	0.27407957	2.3472081	20	—	—
238972 2006 BN_{154}	16.2	X	225.53508	215.12931	130.80600	6.32692	0.0764284	0.21899640	2.7259093	20	4 7.0	20.2
238973 2006 BW_{156}	17.2	X	221.16766	240.98566	23.73418	2.40441	0.1723016	0.26599744	2.3945160	20	—	—
238974 2006 BN_{157}	16.7	X	287.79280	104.40427	139.79095	6.78449	0.0576529	0.27723003	2.3293918	20	2 2.3	19.4
238975 2006 BE_{163}	16.9	X	272.03183	173.35199	135.50297	6.44298	0.1512208	0.29018670	2.2595279	20	3 29.7	20.0
238976 2006 BX_{164}	16.9	X	180.45753	316.04389	150.58240	3.00177	0.0505327	0.23266318	2.6180883	20	7 19.8	20.7
238977 2006 BL_{180}	17.5	X	322.23232	63.54821	127.78923	6.99513	0.0993912	0.27623134	2.3350028	20	1 1.9	20.5
238978 2006 BO_{189}	17.5	X	262.16307	75.36794	82.98397	3.51946	0.1442914	0.25723826	2.4485690	20	—	—
238979 2006 BT_{189}	16.9	X	208.11992	274.38770	19.54642	4.73849	0.2119235	0.26933510	2.3746927	20	1 8.7	20.9
238980 2006 BL_{195}	17.1	X	258.81135	118.78332	161.94717	6.94903	0.1280055	0.27990424	2.3145313	20	2 6.9	20.5
238981 2006 BZ_{205}	17.6	X	227.38543	26.87661	167.01213	2.28925	0.1532830	0.25860636	2.4399256	20	12 30.2	20.6
238982 2006 BG_{208}	17.1	X	313.46050	306.25147	182.42356	5.10349	0.1282859	0.26383261	2.4075967	20	—	—
238983 2006 BT_{211}	17.2	X	176.95802	171.63387	105.75338	2.34024	0.1693625	0.26005497	2.4308563	20	—	—
238984 2006 BZ_{216}	16.2	X	162.65119	345.36793	113.25251	15.99805	0.2303153	0.23086683	2.6316514	20	6 22.8	20.8
238985 2006 BY_{225}	17.1	X	213.78616	148.42510	160.72933	3.81163	0.1052408	0.27745249	2.3281465	20	1 29.2	20.5
238986 2006 BS_{226}	16.7	X	5.51954	277.34724	315.62500	4.23547	0.1050756	0.22064935	2.7122785	20	5 15.1	19.8
238987 2006 BO_{227}	16.3	X	313.57208	158.56343	140.30798	2.78761	0.0291915	0.22410243	2.6843450	20	5 31.9	19.7
238988 2006 BV_{238}	16.8	X	262.79439	252.29748	138.29992	10.08130	0.1344645	0.24242519	2.5473242	20	7 9.4	20.3
238989 2006 BD_{248}	17.1	X	213.02274	113.03381	329.93924	12.56812	0.1641645	0.23787325	2.5797185	20	7 21.3	21.2
238990 2006 BH_{252}	17.2	X	191.04815	295.02121	331.74386	2.13578	0.1717434	0.26243784	2.4161195	20	—	—
238991 2006 BB_{253}	17.5	X	189.10306	312.59524	155.47763	1.52534	0.1790872	0.23754534	2.5820919	20	7 26.8	21.7
238992 2006 BH_{260}	16.7	X	188.33024	283.16645	359.62613	3.28683	0.1178461	0.26562367	2.3967618	20	—	—
238993 2006 BK_{263}	17.5	X	294.40437	60.00978	95.74782	2.55739	0.0854020	0.26314978	2.4117597	20	—	—
238994 2006 BF_{266}	16.6	X	227.31630	105.68610	39.60576	5.33868	0.1538145	0.24239306	2.5475493	20	10 24.9	20.2
238995 2006 BK_{266}	16.3	X	82.03201	217.68040	50.70653	6.57036	0.1777847	0.23186185	2.6241170	20	11 5.7	20.4
238996 2006 BO_{274}	17.0	X	165.24455	153.55056	166.23231	4.23543	0.1537357	0.26746723	2.3857357	20	—	—
238997 2006 CQ_{7}	17.3	X	103.43284	120.38325	256.73441	1.38689	0.0774830	0.27031946	2.3689243	20	—	—
238998 2006 CG_{36}	16.6	X	230.15370	278.13347	344.13395	4.49508	0.1213126	0.27138435	2.3627233	20	—	—
238999 2006 CJ_{41}	17.2	X	302.58372	270.07826	207.45204	2.50278	0.1486229	0.25911888	2.4367072	20	—	—
239000 2006 CB_{44}	16.2	X	135.28464	133.59257	53.47569	12.83279	0.1471600	0.23084083	2.6318490	20	9 21.4	20.6
239001 2006 CG_{49}	17.2	X	312.93702	339.25377	207.68395	3.21633	0.0862459	0.27527331	2.3404173	20	—	—
239002 2006 CL_{50}	16.3	X	180.34954	122.24533	169.00998	7.08377	0.0936479	0.26546257	2.3977313	20	—	—
239003 2006 CX_{61}	17.3	X	251.93811	194.63298	10.22746	3.22378	0.1147265	0.26401391	2.4064943	20	—	—
239004 2006 DT_{5}	16.3	X	276.80354	191.17288	154.83589	9.41345	0.2194138	0.23018966	2.6368100	20	5 17.9	20.2
239005 2006 DY_{5}	16.7	X	266.18790	183.05719	60.72642	3.39794	0.1395984	0.27215425	2.3582652	20	—	—
239006 2006 DH_{8}	16.1	X	14.34902	333.13410	173.98722	25.69438	0.0983191	0.27443883	2.3451592	20	1 19.8	19.2
239007 2006 DA_{21}	16.6	X	195.35087	306.00789	333.85681	3.09988	0.1628321	0.26322420	2.4113052	20	—	—
239008 2006 DW_{21}	16.6	X	175.36944	217.53710	65.03105	2.32418	0.1767424	0.26058213	2.4275767	20	—	—
239009 2006 DW_{22}	16.3	X	226.89006	182.35580	137.36987	5.11820	0.0575821	0.21101160	2.7942493	20	3 6.9	20.3
239010 2006 DE_{24}	17.4	X	207.46400	186.32421	148.83720	7.61660	0.1499206	0.27961112	2.3161486	20	2 25.4	20.9
239011 2006 DC_{26}	16.6	X	221.91121	278.01159	151.83613	5.06799	0.0867933	0.23641882	2.5902878	20	7 17.5	20.4
239012 2006 DZ_{47}	16.9	X	216.19867	325.66397	327.35916	2.35403	0.2009514	0.27161516	2.3613845	20	1 13.3	20.6
239013 2006 DH_{48}	17.4	X	227.45271	277.49402	330.70773	1.77104	0.1510180	0.26517643	2.3994559	20	—	—
239014 2006 DW_{52}	16.4	X	196.30339	322.51702	260.01717	10.00266	0.2351790	0.25444083	2.4664833	20	12 20.2	20.1
239015 2006 DE_{70}	16.8	X	134.74552	239.53086	13.98662	3.56427	0.1778037	0.24417704	2.5351257	20	12 5.6	21.1
239016 2006 DA_{73}	16.9	X	274.49090	180.87183	72.88922	4.49268	0.1295782	0.27637846	2.3341742	20	1 22.3	20.1
239017 2006 DV_{81}	17.0	X	257.38980	86.34415	355.09832	3.78576	0.0346992	0.24095396	2.5576828	20	9 26.1	20.3
239018 2006 DC_{82}	16.8	X	233.43772	171.93305	165.71834	6.38707	0.1352869	0.28396541	2.2924107	20	3 25.9	20.0
239019 2006 DK_{94}	17.2	X	59.97503	309.10341	25.51320	1.98374	0.1439978	0.24660605	2.5184513	20	—	—
239020 2006 DR_{102}	16.6	X	322.76600	17.62656	179.45637	6.23904	0.0411276	0.27487637	2.3426700	20	1 18.6	19.6
239021 2006 DH_{104}	17.1	X	342.80736	228.74425	191.77579	3.79553	0.1655455	0.25572855	2.4581964	20	—	—
239022 2006 DD_{107}	16.9	X	177.82012	332.09760	328.14692	3.79127	0.1915416	0.26240693	2.4163093	20	—	—
239023 2006 DC_{108}	16.5	X	156.48192	231.81959	185.92760	5.01164	0.1061785	0.21686162	2.7437692	20	4 22.3	20.5
239024 2006 DC_{110}	15.8	X	314.34152	229.58086	14.99022	8.92259	0.1515883	0.21040886	2.7995831	20	3 6.9	19.4
239025 2006 DF_{110}	16.4	X	32.44378	342.58658	358.27896	10.59380	0.1325247	0.24297516	2.5434788	20	12 4.5	19.9
239026 2006 DX_{113}	16.3	X	112.21796	348.55710	151.78804	4.85898	0.0116970	0.22310328	2.6923535	20	6 6.3	20.0
239027 2006 DN_{116}	15.9	X	49.73107	139.15744	21.54050	8.23901	0.1495106	0.21406169	2.7676431	20	4 25.1	19.0
239028 2006 DY_{120}	17.1	X	326.21506	96.45549	35.76420	6.24593	0.0815839	0.26681219	2.3896388	20	—	—
239029 2006 DO_{121}	17.0	X	22.84381	36.31397	44.85509	7.37676	0.0889705	0.26829571	2.3808218	20	—	—
239030 2006 DP_{123}	17.4	X	195.73999	111.47162	196.14822	1.83725	0.1989960	0.26966875	2.3727335	20	1 13.5	21.2
239031 2006 DT_{126}	17.1	X	239.54864	24.41768	208.07691	2.22026	0.1632707	0.26469693	2.4023527	20	—	—
239032 2006 DM_{134}	16.9	X	193.95864	155.62385	113.87514	3.65981	0.2059346	0.26094572	2.4253212	20	—	—
239033 2006 DY_{138}	17.4	X	202.55561	219.09533	77.94384	3.75386	0.2020651	0.26755689	2.3852027	20	1 7.4	21.3
239034 2006 DO_{139}	15.8	X	305.61070	143.83315	151.22317	13.58719	0.1442246	0.21862532	2.7289929	20	5 2.6	19.5
239035 2006 DZ_{145}	16.2	X	14.25356	334.06043	359.84002	2.98048	0.1739123	0.24110584	2.5566085	20	11 5.9	19.1
239036 2006 DS_{147}	17.1	X	85.24548	73.00309	189.80610	2.34552	0.1445713	0.23813283	2.5778434	20	10 30.8	20.8
239037 2006 DH_{148}	16.9	X	191.44859	65.75577	223.05876	0.70152	0.2027926	0.26207157	2.4183702	20	—	—
239038 2006 DZ_{160}	17.5	X	198.74901	98.15454	185.91825	0.61487	0.1687579	0.26490888	2.4010712	20	—	—
239039 2006 DK_{175}	17.3	X	240.42309	351.57875	189.16567	2.46699	0.1419132	0.25689108	2.4507746	20	—	—
239040 2006 DJ_{187}	17.4	X	158.96445	196.46740	94.46939	2.37508	0.1772017	0.25625252	2.4548443	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239041 2006 DO_{190}	16.7	X	193.91362	100.01479	158.86391	7.06797	0.0880789	0.25795825	2.4440107	20	—	—
239042 2006 DB_{193}	17.2	X	190.63007	129.94587	151.64919	2.50193	0.1823118	0.25939767	2.4349609	20	—	—
239043 2006 DH_{198}	16.1	X	199.02979	156.38713	107.09333	13.31472	0.2153230	0.25845060	2.4409058	20	—	—
239044 2006 DX_{201}	16.4	X	262.00137	215.08637	24.68456	13.28099	0.1500986	0.27100279	2.3649405	20	—	—
239045 2006 DV_{202}	16.7	X	265.97050	151.80089	115.55503	9.00950	0.1341249	0.27776186	2.3264174	20	1 29.5	20.1
239046 Judysyd	16.6	X	262.73230	109.46194	33.67333	9.19547	0.0379156	0.25766508	2.4458642	20	12 29.3	19.7
239047 2006 DO_{214}	17.2	X	211.28741	162.18683	128.29016	2.70119	0.2114082	0.26775525	2.3840245	20	1 6.4	21.1
239048 2006 EV_{16}	16.8	X	148.11117	222.55330	98.06619	2.56654	0.1900903	0.25970793	2.4330213	20	—	—
239049 2006 ET_{37}	16.8	X	274.64851	23.79042	190.17729	3.92628	0.1651646	0.26967026	2.3727247	20	—	—
239050 2006 ED_{41}	16.7	X	131.91141	118.60009	188.97550	8.35324	0.2020762	0.25412270	2.4685413	20	—	—
239051 2006 EU_{41}	15.7	X	76.35097	275.65427	354.00493	25.20444	0.2377743	0.23396340	2.6083794	20	10 26.4	20.3
239052 2006 EF_{46}	17.6	X	340.98577	149.43088	321.42740	2.83569	0.1348002	0.26727369	2.3868873	20	—	—
239053 2006 EX_{48}	17.0	X	207.64208	232.08570	109.12052	3.83584	0.2374424	0.28077397	2.3097492	20	3 4.9	20.9
239054 2006 EU_{51}	17.0	X	57.58289	195.49145	117.11524	3.05775	0.1098376	0.24511932	2.5286246	20	11 29.2	20.4
239055 2006 EH_{53}	14.8	X	78.74821	196.06395	74.04493	34.46918	0.1708453	0.23051271	2.6343459	20	11 14.6	19.2
239056 2006 EA_{60}	16.6	X	133.33187	207.99300	310.02477	2.21997	0.0693839	0.22988740	2.6391208	20	8 1.8	20.3
239057 2006 FO_{4}	16.5	X	99.68064	308.57048	186.60015	8.22309	0.2573707	0.22073705	2.7115601	20	6 15.2	20.8
239058 2006 FW_{9}	16.6	X	274.02361	222.36829	81.95444	0.50374	0.0512337	0.21416802	2.7667269	20	4 11.9	20.2
239059 2006 FA_{17}	16.6	X	133.03440	171.06831	173.33856	6.95078	0.1412875	0.25914995	2.4365124	20	—	—
239060 2006 FV_{24}	16.7	X	111.41156	72.53076	178.59045	3.31707	0.0412239	0.23929312	2.5695036	20	11 5.8	20.3
239061 2006 FF_{32}	17.2	X	78.03862	273.22531	6.56495	2.09544	0.1323188	0.23677483	2.5876907	20	11 10.9	20.9
239062 2006 FA_{37}	15.9	X	123.93539	67.22712	89.02097	14.18770	0.2075006	0.22641273	2.6660533	20	8 1.1	20.4
239063 2006 FW_{39}	17.5	X	329.69033	54.33327	49.26537	3.88433	0.1405446	0.25927765	2.4357123	20	—	—
239064 2006 FA_{42}	16.7	X	171.65961	44.37109	48.24368	5.77804	0.1383166	0.22220377	2.6996146	20	6 20.8	20.9
239065 2006 FD_{48}	16.5	X	195.71988	170.00374	96.46563	6.10458	0.2461306	0.25845919	2.4408517	20	—	—
239066 2006 FY_{49}	17.1	X	210.60735	126.32435	88.28547	3.66653	0.1392059	0.25275732	2.4774233	20	—	—
239067 2006 FC_{50}	15.9	X	114.71932	279.12702	148.03009	4.95131	0.0533985	0.21145463	2.7903451	20	3 12.1	19.6
239068 2006 FC_{53}	16.8	X	199.98176	115.35690	28.68234	3.88139	0.1059336	0.23736685	2.5833862	20	9 27.8	20.7
239069 2006 FY_{53}	17.0	X	236.33338	323.41996	167.28958	3.69175	0.1217082	0.24413043	2.5354483	20	10 22.6	20.3
239070 2006 FO_{54}	16.1	X	191.00617	304.99317	199.12290	14.63795	0.0732285	0.23422037	2.6064712	20	9 16.9	20.1
239071 Penghu	16.9	X	213.31648	97.13106	160.75823	5.12632	0.0802453	0.26130814	2.4230782	20	—	—
239072 2006 GL_{14}	16.6	X	310.66045	272.05597	80.28322	3.57456	0.0632335	0.22719038	2.6599661	20	8 7.4	19.9
239073 2006 GY_{14}	16.5	X	209.31678	228.76578	173.60469	6.27291	0.0019286	0.21845911	2.7303769	20	6 3.5	20.2
239074 2006 GG_{16}	16.7	X	17.38204	354.60025	50.13327	5.25799	0.1362436	0.25304446	2.4755488	20	—	—
239075 2006 GK_{19}	16.3	X	244.60297	293.84645	185.48492	7.31532	0.1688301	0.24354734	2.5394936	20	10 10.5	19.5
239076 2006 GF_{28}	16.3	X	289.07163	338.57267	119.69799	3.34868	0.0977215	0.24490474	2.5301014	20	11 28.9	19.0
239077 2006 GP_{31}	16.7	X	65.76498	255.45129	39.49610	3.67959	0.1776448	0.23368519	2.6104493	20	11 21.3	20.5
239078 2006 GX_{36}	16.3	X	310.67611	119.18258	61.41711	3.18769	0.0134662	0.19516116	2.9435661	20	1 1.8	20.5
239079 2006 GN_{40}	16.3	X	162.16075	4.84401	160.82830	6.14845	0.1954225	0.23506162	2.6002487	20	9 13.5	20.6
239080 2006 GB_{45}	17.1	X	178.27939	111.39400	197.25860	0.69300	0.1893915	0.26240310	2.4163328	20	—	—
239081 2006 GM_{49}	15.5	X	75.88243	296.17293	341.25375	12.12892	0.2516947	0.23087410	2.6315961	20	11 12.9	20.0
239082 2006 GG_{51}	16.1	X	76.10269	122.52273	133.38095	17.49547	0.1907255	0.23013067	2.6372606	20	10 22.9	20.4
239083 2006 GJ_{51}	16.4	X	151.13251	259.67726	336.84160	6.36640	0.2055888	0.24346510	2.5400654	20	11 27.7	20.7
239084 2006 GY_{52}	16.4	X	281.47769	27.41213	25.98977	3.31072	0.0383920	0.23388188	2.6089855	20	9 21.4	19.6
239085 2006 GZ_{53}	16.5	X	178.53890	358.87151	150.20307	2.29793	0.0671770	0.23298014	2.6157132	20	9 11.9	20.2
239086 2006 HO_{3}	16.0	X	155.89815	312.64379	203.54001	31.75456	0.2587164	0.23350213	2.6118135	20	8 21.3	21.2
239087 2006 HY_{10}	16.5	X	52.57563	127.47744	123.92130	5.86356	0.0994973	0.22601168	2.6692062	20	8 30.1	19.9
239088 2006 HW_{14}	16.8	X	22.40958	175.83181	196.67205	2.84648	0.1025711	0.24448930	2.5329667	20	12 29.9	19.9
239089 2006 HA_{19}	16.9	X	94.72210	129.66280	175.57644	5.33032	0.2516174	0.24225752	2.5484994	20	—	—
239090 2006 HJ_{19}	16.3	X	246.95599	352.47934	143.09777	4.34345	0.1182143	0.24492250	2.5299791	20	11 13.3	19.5
239091 2006 HA_{27}	16.5	X	93.23476	10.70841	186.20788	12.95947	0.1299858	0.22245356	2.6975933	20	8 9.2	20.6
239092 2006 HT_{35}	16.6	X	179.72544	118.74651	59.08010	5.71790	0.2406517	0.23835719	2.5762255	20	10 13.1	21.0
239093 2006 HP_{38}	16.7	X	156.23293	94.76884	59.26107	11.43425	0.2388356	0.23164259	2.6257726	20	8 30.3	21.5
239094 2006 HY_{38}	16.7	X	93.36070	179.20740	102.93840	4.93841	0.0809061	0.23822501	2.5771784	20	11 27.1	20.3
239095 2006 HE_{39}	16.6	X	343.11999	196.82058	114.71074	3.94735	0.0473783	0.22249338	2.6972714	20	7 31.2	19.7
239096 2006 HF_{44}	16.8	X	194.89598	280.84166	212.65812	5.68553	0.0891711	0.23159875	2.6261039	20	9 6.3	20.8
239097 2006 HR_{47}	16.1	X	43.35929	126.58274	67.42904	7.38634	0.0144411	0.21461914	2.7628485	20	5 16.5	19.7
239098 2006 HC_{48}	16.4	X	86.92805	124.42787	146.50033	4.37169	0.0730416	0.23618505	2.5919967	20	11 5.4	20.1
239099 2006 HX_{48}	16.0	X	63.21890	194.45495	103.54614	13.04283	0.0888602	0.23479462	2.6022197	20	11 16.2	19.8
239100 2006 HZ_{49}	16.8	X	348.64422	269.16310	74.52829	2.71896	0.1063116	0.23399907	2.6081143	20	9 28.7	19.5
239101 2006 HN_{53}	16.9	X	126.41869	59.10404	151.71854	3.27560	0.1311342	0.23421275	2.6065278	20	10 6.5	21.0
239102 2006 HU_{54}	15.6	X	192.87594	38.78624	68.36114	22.41890	0.0802992	0.22695707	2.6617886	20	8 8.9	20.0
239103 2006 HB_{56}	15.7	X	204.51429	214.75778	305.49176	13.02827	0.0891970	0.24109167	2.5567087	20	10 18.3	19.6
239104 2006 HN_{56}	17.0	X	155.62969	85.63264	138.88946	5.27439	0.1872788	0.24231226	2.5481156	20	11 20.2	21.2
239105 Marcocattaneo	16.2	X	100.41815	27.61802	258.95002	9.35350	0.0740122	0.24384850	2.5374023	20	12 10.2	19.7
239106 2006 HA_{58}	15.9	X	18.92238	194.89069	90.61939	10.01334	0.1083537	0.22324080	2.6912476	20	8 29.8	19.2
239107 2006 HH_{58}	16.6	X	247.05738	121.60932	126.41422	10.71463	0.2105482	0.26498036	2.4006394	20	—	—
239108 2006 HN_{75}	16.5	X	29.56953	80.35094	122.76566	8.95036	0.2146266	0.21219490	2.7838516	20	5 30.9	19.4
239109 2006 HL_{77}	16.0	X	25.64904	67.97196	186.63768	13.99018	0.1215834	0.21802965	2.7339612	20	7 21.5	19.5
239110 2006 HJ_{80}	16.3	X	231.62617	127.92630	205.40619	1.33828	0.1217232	0.20304337	2.8668843	20	3 23.7	20.6
239111 2006 HQ_{80}	16.0	X	247.42042	89.24178	226.49976	13.92951	0.1625722	0.20208062	2.8759827	20	3 10.4	20.8
239112 2006 HD_{81}	16.6	X	157.62823	49.13498	38.64290	5.89991	0.0620695	0.21475743	2.7616624	20	5 27.8	20.7
239113 2006 HY_{86}	16.9	X	267.14178	198.59717	120.77462	6.99059	0.0241304	0.20894254	2.8126658	20	4 29.8	20.9
239114 2006 HY_{89}	15.8	X	0.49503	177.46037	128.31009	13.86234	0.1224393	0.22431464	2.6826518	20	8 25.9	18.7
239115 2006 HR_{93}	16.0	X	161.65804	358.37396	173.93795	12.09091	0.0975667	0.23210154	2.6223100	20	9 22.3	19.9
239116 2006 HZ_{93}	15.6	X	190.28793	140.78415	127.76924	10.19494	0.0719354	0.18292862	3.0733707	20	—	—
239117 2006 HM_{94}	15.4	X	321.45970	227.90399	200.16038	19.29540	0.0755477	0.17127949	3.2111885	20	11 21.1	19.7
239118 2006 HD_{102}	16.8	X	19.47752	206.95493	99.20048	4.02264	0.0439725	0.22726057	2.6594183	20	9 18.9	20.1
239119 2006 HR_{103}	16.0	X	19.48135	147.81053	157.57575	14.35713	0.1595441	0.22454661	2.6808039	20	10 3.9	19.1
239120 2006 HH_{105}	15.8	X	168.76633	41.41115	174.10196	28.39188	0.0685430	0.24093202	2.5578380	20	11 28.6	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239121 2006 HM_{111}	16.7	X	99.14391	296.59098	341.77032	4.87269	0.2669852	0.23540360	2.5977298	20	12 7.9	21.2
239122 2006 HG_{113}	15.9	X	272.30921	275.63666	179.29977	8.74018	0.1300675	0.23900190	2.5715905	20	10 23.5	18.9
239123 2006 HF_{114}	15.7	X	47.20074	203.30226	55.78556	12.51213	0.1562290	0.22265619	2.6959565	20	9 16.5	19.4
239124 2006 HA_{117}	16.2	X	61.88058	125.76047	127.55342	5.11116	0.0671887	0.22545771	2.6735768	20	9 9.5	19.7
239125 2006 HF_{120}	16.6	X	230.00555	216.57205	206.19974	2.78304	0.0537215	0.22230502	2.6987949	20	7 20.9	20.3
239126 2006 HY_{146}	16.2	X	302.67511	259.46823	45.84579	6.50659	0.0233273	0.21450033	2.7638687	20	5 24.9	19.8
239127 2006 HW_{152}	16.6	X	267.10264	210.58667	147.76139	4.73925	0.0905688	0.21501749	2.7594351	20	6 7.9	20.5
239128 2006 JU_{2}	17.2	X	65.73644	295.49223	30.25805	5.08670	0.1901150	0.24004004	2.5641706	20	—	—
239129 2006 JC_{5}	17.1	X	174.38616	71.84803	208.15009	4.39394	0.1661828	0.25671092	2.4519211	20	—	—
239130 2006 JE_{6}	17.0	X	154.28147	115.52223	107.46655	3.27169	0.0560892	0.23923885	2.5698922	20	11 19.8	20.6
239131 2006 JA_{9}	17.0	X	88.40967	308.77759	348.70034	1.46927	0.1771269	0.23747337	2.5826136	20	12 17.2	20.9
239132 2006 JE_{13}	15.8	X	1.50896	245.54364	79.13416	11.93382	0.0823668	0.22664924	2.6641983	20	9 26.2	19.2
239133 2006 JW_{18}	16.4	X	304.86554	144.52671	184.75744	4.96942	0.0518510	0.21732945	2.7398303	20	6 26.4	20.0
239134 2006 JX_{18}	16.5	X	185.50352	296.17428	210.82800	10.46179	0.1976769	0.23448908	2.6044796	20	9 6.6	21.0
239135 2006 JZ_{27}	17.3	X	131.40104	55.54303	162.05127	3.33321	0.1348119	0.23392395	2.6086727	20	10 19.8	21.3
239136 2006 JR_{28}	16.1	X	152.68561	277.31797	208.68347	13.13851	0.0981866	0.22301720	2.6930462	20	7 11.0	20.4
239137 2006 JB_{30}	16.1	X	245.46472	320.96869	152.12355	3.87487	0.1663880	0.23967568	2.5667687	20	10 3.7	19.5
239138 2006 JJ_{30}	16.3	X	160.64160	145.42970	77.51608	3.93891	0.0732249	0.24144944	2.5541824	20	11 25.9	20.1
239139 2006 JR_{34}	16.8	X	65.56673	245.44860	51.48784	7.63175	0.2078710	0.23231489	2.6207043	20	11 26.5	20.8
239140 2006 JW_{35}	16.5	X	239.28589	328.47808	88.36623	6.33147	0.0500007	0.22201477	2.7011465	20	7 27.0	20.2
239141 2006 JC_{40}	15.8	X	331.94993	105.72066	214.09567	11.70001	0.1793498	0.20878225	2.8141052	20	7 12.3	18.9
239142 2006 JS_{41}	16.0	X	164.94480	348.35849	167.44572	10.54749	0.1653637	0.23033846	2.6356743	20	9 2.6	20.3
239143 2006 JQ_{43}	17.0	X	132.44676	63.62979	165.51511	5.67919	0.0285541	0.23712962	2.5851089	20	11 2.7	20.6
239144 2006 JP_{44}	16.3	X	64.67680	221.06768	78.25160	7.33723	0.1643272	0.23322693	2.6138676	20	11 25.0	20.1
239145 2006 JA_{45}	16.5	X	99.04617	245.11786	42.29135	4.92183	0.1697039	0.23742388	2.5829725	20	12 14.0	20.7
239146 2006 JZ_{45}	16.7	X	89.09119	303.66389	1.60870	1.96937	0.3005161	0.23591554	2.5939704	20	—	—
239147 2006 JT_{48}	15.9	X	78.34660	223.79623	47.18630	12.74121	0.1698086	0.23072165	2.6327553	20	11 4.5	19.9
239148 2006 JD_{53}	16.3	X	82.18489	291.54297	16.42476	4.15143	0.2405221	0.23707344	2.5855173	20	12 28.8	20.6
239149 2006 JJ_{55}	15.9	X	68.95188	194.75732	87.27740	5.48515	0.1531966	0.23067752	2.6330910	20	11 7.3	19.7
239150 2006 JK_{58}	16.4	X	150.06035	332.74112	289.35172	6.67955	0.1625517	0.24571776	2.5245173	20	12 30.3	20.4
239151 2006 KX	15.8	X	38.44925	185.45895	80.47487	15.22314	0.1617857	0.22128702	2.7070654	20	9 15.1	19.5
239152 2006 KD_{9}	16.3	X	180.06807	343.95602	84.47529	1.81336	0.0532030	0.21337488	2.7735789	20	5 29.5	20.4
239153 2006 KS_{9}	14.9	X	201.86022	163.70824	82.59705	12.34040	0.0654639	0.18070123	3.0985747	20	—	—
239154 2006 KX_{9}	16.2	X	115.07349	175.90874	73.61323	5.94648	0.1475030	0.23523431	2.5989760	20	11 12.9	20.3
239155 2006 KK_{11}	16.0	X	100.12254	134.11855	63.95319	14.13640	0.1029546	0.22348717	2.6892694	20	8 25.5	20.2
239156 2006 KR_{15}	17.0	X	125.37595	281.66651	205.87151	3.89646	0.0542900	0.21431176	2.7654897	20	6 10.9	20.8
239157 2006 KC_{16}	16.2	X	204.88632	52.68745	136.21014	5.84398	0.0986455	0.24279908	2.5447084	20	12 1.4	19.8
239158 2006 KH_{17}	15.9	X	95.78959	221.41759	62.19849	13.80247	0.1593213	0.23550656	2.5969727	20	12 5.1	20.0
239159 2006 KP_{17}	14.8	X	137.88998	204.98745	97.17674	23.40492	0.2493908	0.17480250	3.1678963	20	—	—
239160 2006 KY_{17}	15.9	X	34.40535	157.54815	141.82644	12.50320	0.0660553	0.23093876	2.6311049	20	10 7.0	19.4
239161 2006 KJ_{20}	16.0	X	105.19319	121.88963	139.39377	13.13189	0.0658908	0.23649847	2.5897062	20	11 16.2	20.0
239162 2006 KY_{29}	16.6	X	316.02302	298.86856	62.12916	2.58824	0.0523639	0.22538185	2.6741766	20	8 28.9	20.0
239163 2006 KZ_{30}	16.3	X	148.91293	289.36329	237.96362	11.46952	0.1944658	0.23048740	2.6345388	20	8 29.1	20.9
239164 2006 KC_{33}	16.6	X	261.59774	154.50665	203.99514	3.17584	0.1088345	0.21321161	2.7749946	20	5 29.2	20.6
239165 2006 KG_{37}	15.5	X	230.68572	235.08824	131.20053	10.22963	0.1992012	0.21058291	2.7980403	20	4 30.7	20.3
239166 2006 KF_{41}	16.3	X	90.86701	154.48002	121.39557	4.95266	0.0881102	0.23461936	2.6035154	20	11 17.2	20.0
239167 2006 KE_{47}	16.6	X	11.29681	229.72761	120.06713	3.48712	0.1744861	0.23076682	2.6324117	20	11 22.2	19.6
239168 2006 KK_{47}	16.1	X	346.13336	128.39999	218.18140	8.02751	0.1404456	0.22573385	2.6713959	20	9 24.3	19.0
239169 2006 KT_{47}	17.2	X	65.57891	63.35939	196.14314	3.43066	0.1993965	0.22690822	2.6621707	20	10 9.8	20.9
239170 2006 KE_{48}	16.7	X	292.06055	176.24107	198.56428	5.80229	0.0507346	0.22359090	2.6884377	20	8 8.6	20.3
239171 2006 KE_{49}	16.8	X	57.92879	152.44211	106.60971	3.07003	0.0254891	0.22583472	2.6706004	20	9 5.2	20.3
239172 2006 KF_{50}	16.6	X	212.25789	312.88743	90.23973	3.66514	0.0676732	0.21408635	2.7674305	20	6 2.6	20.5
239173 2006 KF_{51}	15.0	X	136.57153	206.30720	75.19344	10.32927	0.0446665	0.17424108	3.1746975	20	12 26.6	19.8
239174 2006 KE_{60}	16.4	X	74.79959	163.24210	145.15304	6.18485	0.1543189	0.23544983	2.5973898	20	12 15.7	20.4
239175 2006 KZ_{62}	16.3	X	94.80012	268.47253	1.04081	3.23236	0.1831348	0.23361834	2.6109472	20	11 18.6	20.4
239176 2006 KQ_{66}	16.2	X	314.65906	132.25625	221.46776	5.60169	0.0410274	0.22394212	2.6856260	20	8 13.5	19.7
239177 2006 KW_{71}	16.9	X	244.65576	220.10510	149.93972	6.85048	0.0440236	0.21216126	2.7841459	20	6 2.0	20.8
239178 2006 KM_{74}	16.2	X	47.99264	175.44797	181.65152	8.74038	0.0727967	0.24065578	2.5597950	20	—	—
239179 2006 KS_{77}	16.0	X	53.90188	107.22684	220.07743	6.48100	0.2006448	0.23280942	2.6169917	20	12 21.3	19.9
239180 2006 KW_{78}	16.6	X	166.19993	258.35177	190.80460	7.74509	0.1672552	0.21463611	2.7627030	20	6 12.1	21.2
239181 2006 KY_{78}	16.6	X	149.15817	284.55279	192.18514	7.77290	0.1934517	0.21836891	2.7311288	20	7 1.1	21.2
239182 2006 KU_{83}	16.9	X	25.50024	210.06607	132.18773	2.21476	0.1522999	0.23301193	2.6154752	20	11 29.9	20.1
239183 2006 KW_{85}	17.0	X	152.52586	82.55157	99.36163	5.71490	0.2041637	0.23499972	2.6007054	20	9 27.7	21.5
239184 2006 KG_{92}	16.7	X	177.84023	265.60086	185.67286	4.73104	0.1308253	0.21846854	2.7302984	20	6 25.1	21.0
239185 2006 KM_{93}	17.1	X	66.67609	121.29709	202.88081	3.38904	0.1084435	0.23871494	2.5736510	20	12 21.9	20.8
239186 2006 KA_{100}	16.4	X	129.78445	200.12747	350.14839	8.43446	0.1963294	0.23135819	2.6279240	20	9 15.2	20.8
239187 2006 KW_{100}	16.0	X	217.41325	107.56667	48.93130	11.18454	0.0669915	0.23911950	2.5707473	20	11 7.6	19.3
239188 2006 KA_{103}	15.7	X	56.26383	246.79110	129.61671	17.18823	0.1342441	0.18031524	3.1029951	20	—	—
239189 2006 KR_{103}	15.4	X	253.23816	70.07493	93.22976	10.59692	0.0502903	0.17487485	3.1670225	20	12 18.1	19.7
239190 2006 KQ_{104}	15.5	X	264.08836	355.05782	233.42140	9.87372	0.0508002	0.19062165	2.9901150	20	—	—
239191 2006 KV_{104}	16.4	X	140.40303	115.47752	73.51788	2.97100	0.0126452	0.22847386	2.6499949	20	9 19.2	19.9
239192 2006 KT_{114}	16.2	X	86.44919	41.81608	172.07893	10.69516	0.1941986	0.22445445	2.6815377	20	9 2.6	20.2
239193 2006 KB_{123}	15.8	X	341.63709	168.00209	183.41650	14.54337	0.0513795	0.22673233	2.6635473	20	9 22.4	19.0
239194 2006 KU_{123}	15.4	X	123.26209	249.38531	51.52842	14.73052	0.2350882	0.24174946	2.5520688	20	—	—
239195 2006 LN	15.5	X	184.02265	341.19317	279.46456	10.10729	0.1825576	0.17882404	3.1202217	20	—	—
239196 2006 LW_{2}	15.5	X	67.79468	184.74267	96.56041	14.73377	0.1557949	0.22558976	2.6725333	20	11 8.6	19.6
239197 2006 MS_{1}	15.8	X	349.94491	185.52820	122.21052	12.15769	0.0695686	0.21920608	2.7241707	20	8 5.7	19.0
239198 2006 MP_{5}	15.7	X	319.37843	248.86136	109.59050	8.72667	0.2350250	0.21272019	2.7792668	20	8 11.5	18.2
239199 2006 MJ_{11}	15.5	X	306.20345	64.08891	257.40677	11.95266	0.1955052	0.20442710	2.8539328	20	5 27.0	19.0
239200 Luoyang	16.2	X	35.10710	310.18790	312.42131	2.44327	0.1550085	0.21695697	2.7429653	20	8 25.0	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239201 2006 ML_{13}	16.6	X	286.06734	305.05672	10.68990	1.87032	0.0549689	0.20381237	2.8596685	20	5 11.9	20.3
239202 2006 OX	15.6	X	254.00354	126.70078	181.70654	12.06826	0.1182503	0.19249715	2.9706616	20	3 17.3	20.1
239203 Simeon	16.7	X	152.04327	325.49566	322.60666	5.09736	0.2714802	0.24096633	2.5575952	20	—	—
239204 2006 ON_{16}	16.0	X	28.20934	354.23949	291.54651	8.88815	0.2124275	0.21672452	2.7449263	20	9 19.5	19.3
239205 2006 OT_{17}	15.4	X	156.42377	345.68657	17.81885	10.89487	0.0726908	0.18284887	3.0742642	20	2 19.9	20.1
239206 2006 ON_{18}	16.0	X	29.83583	255.61014	64.55221	12.81736	0.1884127	0.22253375	2.6969452	20	11 11.6	19.4
239207 2006 PQ_{18}	16.3	X	25.59246	169.96478	110.10842	4.17900	0.1582745	0.21471971	2.7619858	20	9 5.3	19.5
239208 2006 PN_{27}	16.1	X	61.22092	221.62960	60.77767	16.35708	0.2174053	0.22251781	2.6970740	20	11 7.0	20.1
239209 2006 PR_{28}	15.7	X	77.50489	223.49581	58.29232	18.43924	0.2852600	0.22498726	2.6773024	20	11 25.0	20.2
239210 2006 PH_{38}	17.1	X	159.93103	175.28099	120.80693	6.80574	0.1401323	0.24351881	2.5396920	20	—	—
239211 2006 QY_{23}	15.7	X	5.68868	288.50837	18.67138	19.63469	0.3240291	0.21287032	2.7779599	20	10 3.3	18.0
239212 2006 QH_{34}	16.4	X	305.35099	68.25033	169.04201	5.12516	0.2053381	0.18787383	3.0191998	20	2 6.3	20.6
239213 2006 QS_{55}	14.8	X	250.17996	357.78946	18.72088	2.74797	0.2660083	0.12451716	3.9717624	20	5 21.3	21.0
239214 2006 QA_{56}	16.2	X	264.72411	134.31531	148.18196	2.41310	0.2001244	0.18781487	3.0198316	20	2 18.9	21.0
239215 2006 QD_{98}	15.8	X	121.35615	321.27633	295.41502	14.16427	0.1816382	0.22798375	2.6537914	20	11 24.6	20.4
239216 2006 QK_{105}	15.5	X	123.45890	190.58367	180.79440	9.83095	0.0779663	0.17461600	3.1701515	20	1 19.8	20.3
239217 2006 QH_{152}	15.3	X	109.32626	242.58541	153.75407	9.98435	0.0924384	0.17533685	3.1614568	20	2 4.8	19.8
239218 2006 QO_{169}	15.6	X	225.44006	83.12125	219.22176	9.26439	0.0683904	0.18235316	3.0798331	20	2 11.3	20.4
239219 2006 RC_{14}	15.4	X	357.40818	289.15087	214.06463	12.03385	0.1033229	0.17632869	3.1495903	20	1 8.3	19.6
239220 2006 RN_{56}	15.7	X	190.12095	148.23759	150.36558	1.67246	0.1941148	0.17098750	3.2148433	20	1 9.8	21.2
239221 2006 RB_{78}	16.2	X	222.29859	178.56504	79.72479	1.89286	0.1528346	0.17005302	3.2266100	20	—	—
239222 2006 RC_{99}	15.5	X	174.44310	143.49685	181.13513	9.54846	0.0769512	0.17400348	3.1775868	20	1 19.4	20.5
239223 2006 SR_{11}	15.4	X	205.76510	313.94145	35.90228	10.65637	0.2642065	0.18311901	3.0712400	20	3 21.4	21.0
239224 2006 SY_{22}	15.5	X	229.59426	207.50920	116.37870	9.20213	0.1208757	0.18438246	3.0571938	20	3 15.6	20.3
239225 2006 SD_{32}	15.9	X	237.52693	339.47299	321.32178	0.89119	0.1443556	0.18142249	3.0903569	20	2 20.3	20.9
239226 2006 SY_{40}	16.0	X	223.43854	264.87482	45.37809	2.03357	0.1573717	0.18057505	3.1000181	20	2 19.1	21.1
239227 2006 SY_{54}	15.1	X	140.55567	255.47165	125.23794	8.37917	0.1943178	0.17360153	3.1824898	20	3 3.9	20.2
239228 2006 SC_{56}	15.8	X	342.60971	346.25873	31.45636	8.74798	0.2290832	0.21305964	2.7763140	20	11 5.8	18.3
239229 2006 SU_{60}	15.6	X	174.39342	263.46500	68.95038	8.49471	0.2215853	0.17406470	3.1768417	20	2 7.6	21.1
239230 2006 SW_{90}	15.4	X	227.43324	287.91119	17.57876	11.70233	0.2087301	0.17912291	3.1167500	20	2 18.7	20.8
239231 2006 SL_{111}	16.2	X	169.84590	294.53446	30.51876	8.99101	0.2810106	0.17527201	3.1622364	20	1 29.6	21.9
239232 2006 SH_{119}	15.2	X	179.71285	284.12606	36.26948	5.24571	0.1559446	0.17392303	3.1785666	20	1 25.9	20.4
239233 2006 SU_{129}	15.9	X	154.64766	118.11230	226.06691	4.47301	0.1602160	0.17247636	3.1963157	20	1 28.8	21.1
239234 2006 SG_{141}	14.7	X	233.34365	242.87639	45.30699	15.84636	0.2014835	0.17701626	3.1414292	20	2 5.2	20.2
239235 2006 SM_{164}	15.9	X	278.33245	85.52416	229.32506	11.11359	0.0443741	0.19466436	2.9485721	20	5 2.5	19.9
239236 2006 SH_{206}	15.8	X	220.40967	277.30798	35.38151	3.64342	0.1930547	0.17941029	3.1134208	20	2 18.8	21.1
239237 2006 SV_{224}	15.5	X	196.88265	267.25976	15.46282	5.18465	0.1128017	0.17089326	3.2160251	20	—	—
239238 2006 SW_{246}	16.2	X	329.03276	145.33955	93.90294	1.19791	0.2085967	0.18971778	2.9996047	20	3 13.9	19.6
239239 2006 SS_{295}	15.7	X	203.28592	105.23988	216.06165	2.37230	0.0877282	0.17741575	3.1367116	20	2 13.6	20.5
239240 2006 ST_{323}	15.5	X	237.76062	259.05365	28.37434	13.75063	0.1439006	0.17738677	3.1370533	20	2 11.4	20.7
239241 2006 SZ_{352}	15.6	X	194.41223	251.28565	57.61702	5.75951	0.1373137	0.17191537	3.2032653	20	1 25.2	20.8
239242 2006 SZ_{380}	15.6	X	15.87500	38.66447	145.01948	15.18081	0.0337665	0.17548316	3.1596993	20	4 2.8	20.0
239243 2006 TJ_{12}	15.0	X	231.49046	99.35319	219.08129	13.31482	0.1639237	0.18210710	3.0826068	20	2 29.8	20.3
239244 2006 TZ_{42}	15.0	X	234.75200	70.77777	224.97792	21.68910	0.2040539	0.17479866	3.1679427	20	2 2.3	20.7
239245 2006 TB_{44}	15.5	X	313.74681	29.25201	225.03882	4.76560	0.1132397	0.17864525	3.1223031	20	3 23.0	19.6
239246 2006 TA_{60}	15.2	X	84.03328	236.54803	238.56752	8.38598	0.0628772	0.17443840	3.1723029	20	4 3.7	19.7
239247 2006 TS_{75}	15.5	X	171.10598	239.07876	99.45861	7.87518	0.1280273	0.17052123	3.2207010	20	2 7.2	20.6
239248 2006 TJ_{94}	15.5	X	138.25484	276.42672	36.21811	3.53604	0.1048305	0.16181543	3.3352067	20	—	—
239249 2006 UA_{67}	15.8	X	267.68999	200.23141	126.00824	7.58907	0.1881362	0.19043340	2.9920853	20	4 18.5	20.4
239250 2006 UH_{142}	15.3	X	225.39007	263.98829	25.04669	13.23439	0.2550732	0.17270557	3.1934870	20	1 28.4	21.1
239251 2006 UT_{143}	15.4	X	238.80288	304.05301	41.05517	16.91718	0.1054592	0.18130514	3.0916902	20	4 19.6	20.2
239252 2006 UP_{199}	15.1	X	204.91905	280.08011	39.17997	18.11210	0.1930343	0.17896011	3.1186398	20	2 21.2	20.7
239253 2006 UH_{269}	16.4	X	322.83445	53.55567	217.55245	1.80979	0.0827002	0.18395030	3.0619802	20	5 1.9	20.2
239254 2006 UL_{323}	15.9	X	206.76104	133.44525	170.96756	10.29242	0.0688222	0.17726204	3.1385247	20	1 27.9	20.8
239255 2006 UA_{333}	15.7	X	244.17474	155.42455	129.21011	12.92355	0.1418841	0.17308371	3.1888341	20	2 9.5	20.8
239256 2006 VM_{29}	15.7	X	276.84838	301.99291	52.24201	10.14395	0.1254101	0.18963578	3.0004694	20	6 8.0	20.0
239257 2006 YN_{1}	15.2	X	198.22309	282.64967	69.86453	11.60489	0.1135359	0.17139657	3.2097261	20	3 23.3	20.4
239258 2007 DO_{39}	17.3	X	336.74728	29.35068	97.19382	3.30544	0.0774973	0.28365913	2.2940605	20	—	—
239259 2007 DB_{53}	17.3	X	341.94355	230.13210	322.07643	4.60215	0.0879865	0.29776804	2.2210108	20	1 30.2	19.7
239260 2007 DW_{60}	17.3	X	282.84292	322.75706	165.47949	23.56614	0.0472176	0.35190636	1.9869395	20	—	—
239261 2007 EJ_{52}	17.2	X	345.71537	251.25449	326.72761	3.56446	0.1309984	0.30236465	2.1984438	20	3 6.8	19.1
239262 2007 EH_{54}	17.1	X	212.59550	54.00003	176.13267	5.32998	0.1855054	0.27242320	2.3567128	20	—	—
239263 2007 EH_{132}	17.8	X	20.74575	347.41776	177.08916	4.07089	0.0832916	0.29993509	2.2102999	20	2 23.2	19.7
239264 2007 GH_{12}	14.7	X	250.82239	226.65365	134.12126	25.74719	0.2825925	0.18034919	3.1026057	20	5 10.5	20.3
239265 2007 GB_{18}	17.5	X	279.58869	359.89067	355.40084	4.66432	0.1284593	0.31144362	2.1555086	20	6 15.9	19.8
239266 2007 GN_{19}	18.4	X	63.02810	38.33653	194.86907	0.54223	0.1006325	0.31627269	2.1335112	20	8 29.2	20.5
239267 2007 HT_{22}	18.2	X	17.81193	82.91357	142.68000	1.92421	0.0301769	0.30546327	2.1835512	20	5 23.4	20.3
239268 2007 HY_{87}	17.1	X	287.54094	35.83781	86.46965	3.73589	0.1848210	0.26829527	2.3808245	20	—	—
239269 2007 JW_{16}	17.2	X	296.88157	7.85771	204.67162	4.95525	0.0759087	0.28458248	2.2890957	20	—	—
239270 2007 JC_{35}	16.8	X	22.23812	320.02087	339.96757	2.29745	0.1902990	0.31739342	2.1284859	20	10 22.2	18.8
239271 2007 JV_{36}	16.5	X	118.31235	206.63128	58.66578	5.05498	0.1556980	0.26036719	2.4289126	20	12 8.2	20.2
239272 2007 JC_{45}	17.2	X	55.97555	83.00994	110.87915	6.36895	0.0604044	0.30483538	2.1865486	20	6 10.3	19.4
239273 2007 KS_{1}	16.5	X	213.17456	72.86756	105.97333	7.25132	0.0769053	0.26374748	2.4081147	20	12 5.9	19.7
239274 2007 KW_{1}	17.5	X	315.40168	171.68867	356.14859	3.93892	0.0941006	0.28052716	2.3111037	20	—	—
239275 2007 KL_{7}	16.4	X	118.69681	299.51462	50.61865	3.60974	0.3303812	0.26156347	2.4215010	20	1 10.3	19.8
239276 2007 LP_{26}	16.7	X	8.08006	251.47412	174.11468	5.99355	0.1027484	0.25619784	2.4551936	20	—	—
239277 2007 NV_{6}	16.4	X	155.82913	256.98732	58.49093	6.64753	0.1487093	0.26548675	2.3975858	20	—	—
239278 2007 OP	16.4	X	228.77016	341.92562	122.66468	14.68735	0.1163486	0.23791900	2.5793877	20	9 11.8	20.2
239279 2007 OC_{1}	16.9	X	158.30171	19.31749	314.17911	2.01975	0.2315818	0.26724832	2.3870383	20	1 15.7	20.5
239280 2007 OO_{5}	16.0	X	105.70008	221.18379	103.21987	8.23209	0.0903059	0.25374485	2.4709913	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239281 2007 OL_6	17.2	X	238.77797	160.93674	122.07236	2.81333	0.2123550	0.27812019	2.3244187	20	1 18.4	21.0
239282 2007 OC_8	16.5	X	151.49274	122.14338	188.11748	4.46960	0.1314139	0.26144285	2.4222457	20	—	—
239283 2007 PG	17.0	X	125.18435	176.42236	136.60152	2.78438	0.1741784	0.25816069	2.4427328	20	—	—
239284 2007 PK_3	17.1	X	147.82930	317.23284	349.93330	2.51767	0.2313383	0.26098629	2.4250699	20	—	—
239285 2007 PK_5	16.0	X	294.01028	195.75216	143.97290	6.84579	0.2393739	0.21796426	2.7345080	20	5 28.0	19.6
239286 2007 PF_{11}	16.8	X	161.89195	116.23111	187.77842	6.33927	0.1195056	0.26088049	2.4257255	20	—	—
239287 2007 PQ_{11}	16.5	X	138.42118	313.42456	10.58042	6.49111	0.1405565	0.26001423	2.4311102	20	—	—
239288 2007 PW_{11}	16.7	X	294.83138	182.74797	108.71455	6.94131	0.1914707	0.28889436	2.2662614	20	3 29.8	19.6
239289 2007 PZ_{11}	16.8	X	163.97700	211.28944	86.18836	3.82831	0.2122044	0.26211447	2.4181063	20	—	—
239290 2007 PX_{12}	16.4	X	98.16265	356.10343	342.07234	4.81194	0.1276568	0.25584941	2.4574222	20	—	—
239291 2007 PF_{13}	17.1	X	213.85085	237.61057	73.54593	3.22309	0.1929027	0.27598267	2.3364052	20	2 2.4	20.8
239292 2007 PS_{15}	16.8	X	136.93091	252.03954	75.40253	3.46377	0.2068661	0.25968571	2.4331601	20	—	—
239293 2007 PX_{16}	16.5	X	178.97166	247.63980	81.43263	3.35869	0.2103143	0.26635494	2.3923729	20	1 27.2	20.4
239294 2007 PM_{22}	15.9	X	142.96347	306.70435	34.61866	22.51244	0.2539612	0.26315680	2.4117168	20	1 18.3	20.1
239295 2007 PS_{22}	16.5	X	204.54740	258.54626	70.90237	3.43216	0.2058888	0.27199988	2.3591573	20	2 17.8	20.4
239296 2007 PH_{26}	17.0	X	148.71948	271.27049	71.40123	1.48999	0.2213179	0.26514516	2.3996446	20	1 17.5	20.6
239297 2007 PA_{30}	16.8	X	146.86302	166.48321	139.02928	1.88360	0.1969441	0.25856092	2.4402115	20	—	—
239298 2007 PC_{34}	17.0	X	222.70130	88.86832	200.24812	2.07646	0.1837589	0.27133978	2.3629819	20	1 13.4	20.7
239299 2007 PP_{34}	16.4	X	175.47767	156.91520	148.46990	9.27436	0.1092487	0.26594952	2.3948036	20	—	—
239300 2007 PQ_{37}	17.0	X	219.89709	54.76779	231.54488	2.81660	0.2060792	0.27205906	2.3588152	20	1 7.5	20.9
239301 2007 PO_{39}	17.3	X	208.32332	170.90341	134.95065	5.44193	0.1691039	0.27341187	2.3510280	20	1 21.1	21.1
239302 2007 PO_{40}	15.3	X	125.64319	182.15661	174.32220	9.83105	0.1904719	0.18222166	3.0813147	20	1 17.4	20.1
239303 2007 PB_{43}	15.7	X	209.41820	234.56104	163.51026	10.30016	0.1369928	0.21041646	2.7995157	20	5 22.1	20.3
239304 2007 PB_{48}	16.9	X	148.57177	214.26424	117.25397	6.68856	0.1258437	0.26455654	2.4032026	20	—	—
239305 2007 PQ_{48}	15.9	X	107.28622	285.47548	42.98716	7.12168	0.1341825	0.25581768	2.4576253	20	—	—
239306 2007 QH_2	16.8	X	207.01916	13.41751	14.95066	3.08977	0.0898606	0.20867624	2.8150582	20	5 6.7	21.1
239307 Kruchynenko	16.2	X	171.06407	271.60987	23.05752	13.88781	0.2486330	0.26106146	2.4246043	20	—	—
239308 2007 QU_5	16.8	X	176.90163	4.29482	323.17710	1.79376	0.2420270	0.26760849	2.3848961	20	1 24.6	20.7
239309 2007 QW_7	16.2	X	320.01589	189.23418	147.41288	4.72260	0.1332751	0.22191505	2.7019556	20	7 21.9	19.1
239310 2007 QO_8	16.6	X	183.66625	180.47707	163.86203	8.04907	0.2284508	0.27125829	2.3634552	20	2 17.3	20.6
239311 2007 QZ_9	17.2	X	281.68038	218.93942	73.88539	2.23486	0.2215925	0.28503894	2.2866512	20	3 9.4	20.4
239312 2007 QY_{15}	16.7	X	205.26463	140.32993	134.21524	4.80822	0.1125255	0.26359629	2.4090354	20	—	—
239313 2007 RM_{16}	15.8	X	141.18503	11.11775	15.83584	16.71425	0.1925448	0.18777796	3.0202273	20	3 13.4	20.7
239314 2007 RN_{21}	15.5	X	212.96528	95.83398	162.05061	11.54960	0.0413994	0.18426116	3.0585354	20	—	—
239315 2007 RD_{23}	16.2	X	223.20770	198.93852	189.34920	12.44513	0.2113372	0.20921276	2.8102434	20	5 18.0	21.0
239316 2007 RQ_{24}	14.9	X	109.63560	4.77185	322.73446	21.77132	0.0417756	0.17972889	3.1097403	20	—	—
239317 2007 RG_{34}	16.3	X	196.16658	56.49110	247.98545	4.08519	0.2553386	0.26808189	2.3820876	20	1 11.8	20.5
239318 2007 RV_{34}	16.2	X	266.30869	178.07042	170.58627	5.95102	0.0885220	0.21305533	2.7763515	20	5 25.9	20.1
239319 2007 RP_{36}	17.0	X	171.82984	335.80103	337.03834	1.74491	0.2148543	0.26249332	2.4157791	20	1 1.8	20.9
239320 2007 RM_{37}	15.4	X	79.48903	252.97495	180.73814	11.68220	0.1161446	0.18528551	3.0472522	20	2 13.3	19.5
239321 2007 RK_{38}	17.3	X	197.66514	182.84295	113.88065	2.46397	0.1753779	0.26557209	2.3970721	20	1 2.1	20.9
239322 2007 RG_{40}	15.7	X	121.54288	216.21257	146.16661	4.65975	0.1565909	0.18211869	3.0824760	20	1 17.1	20.2
239323 2007 RE_{41}	17.2	X	151.10743	234.21977	78.92115	2.28038	0.1880032	0.25953592	2.4340962	20	—	—
239324 2007 RK_{41}	15.9	X	239.89527	358.00926	21.51218	6.89659	0.1377424	0.21128923	2.7918011	20	5 26.0	20.2
239325 2007 RM_{41}	16.6	X	144.25238	267.71729	26.29204	6.44742	0.1985529	0.25534691	2.4606451	20	—	—
239326 2007 RR_{41}	16.1	X	329.01484	348.71156	4.67679	10.76826	0.1085322	0.22655825	2.6649115	20	9 7.2	19.1
239327 2007 RV_{47}	16.9	X	206.86123	94.20507	175.90584	2.24777	0.1692952	0.26051166	2.4280145	20	—	—
239328 2007 RZ_{49}	16.3	X	160.25247	161.58061	183.62992	12.25950	0.1863696	0.26431274	2.4046801	20	1 25.8	20.2
239329 2007 RN_{50}	16.0	X	349.70344	294.21092	223.58080	9.38985	0.0875172	0.18526144	3.0475162	20	1 14.9	20.1
239330 2007 RY_{69}	15.6	X	180.58541	299.18936	147.48743	8.10859	0.2012125	0.20904757	2.8117237	20	6 21.6	20.4
239331 2007 RZ_{69}	16.4	X	175.54050	92.95528	44.12057	3.97015	0.0228387	0.22394305	2.6856185	20	8 25.9	20.1
239332 2007 RE_{75}	16.2	X	167.59047	289.07008	153.17851	5.40261	0.0161828	0.21133262	2.7914190	20	6 1.7	20.1
239333 2007 RT_{77}	16.3	X	279.55381	1.33947	166.85452	3.83338	0.1496369	0.17745955	3.1361955	20	—	—
239334 2007 RQ_{80}	16.8	X	52.19637	117.22824	167.51498	13.79047	0.1756518	0.23412955	2.6071452	20	10 27.8	20.5
239335 2007 RJ_{95}	17.6	X	140.18573	123.64153	199.40901	8.05658	0.2274433	0.25325274	2.4741913	20	—	—
239336 2007 RU_{97}	15.4	X	156.92420	173.20210	171.88324	12.96888	0.2045205	0.18584733	3.0411079	20	2 1.9	20.5
239337 2007 RT_{98}	15.5	X	85.76754	260.80672	138.31315	5.50483	0.1658041	0.17789122	3.1311199	20	1 20.4	19.7
239338 2007 RQ_{101}	16.4	X	6.71488	201.95360	353.19554	6.05128	0.0026243	0.20199313	2.8768131	20	3 28.8	20.4
239339 2007 RG_{103}	16.0	X	71.41969	57.27101	358.92391	4.53961	0.1452584	0.17907295	3.1173296	20	1 19.6	20.0
239340 2007 RD_{104}	16.7	X	324.75002	196.96399	137.35158	3.88823	0.0752757	0.22246401	2.6975089	20	8 1.5	19.8
239341 2007 RM_{107}	15.1	X	180.40285	235.99878	176.69919	3.48316	0.2979028	0.12359695	3.9914516	20	5 12.9	21.9
239342 2007 RQ_{109}	16.8	X	283.84733	71.16968	213.36692	1.30001	0.0130772	0.19968165	2.8989715	20	4 5.2	20.7
239343 2007 RB_{113}	16.1	X	322.43759	193.02738	169.60407	6.05692	0.0510072	0.22417199	2.6837897	20	9 8.3	19.2
239344 2007 RS_{114}	16.0	X	341.08139	87.82129	217.05144	5.33636	0.0129808	0.21599102	2.7511372	20	7 17.4	19.8
239345 2007 RX_{125}	16.4	X	169.71789	161.43059	222.57240	1.09310	0.0906129	0.19804758	2.9148957	20	3 24.3	20.7
239346 2007 RY_{139}	17.1	X	189.37514	45.08938	251.82701	1.21608	0.2201210	0.26529793	2.3987232	20	—	—
239347 2007 RJ_{143}	17.4	X	278.71532	30.97926	259.31853	2.15204	0.2362953	0.28418702	2.2912187	20	2 28.1	20.8
239348 2007 RE_{147}	16.8	X	176.91007	242.88052	79.86098	3.22041	0.1886811	0.26601027	2.3944390	20	1 16.3	20.5
239349 2007 RM_{149}	15.3	X	74.69728	203.89705	208.31584	25.74967	0.2349119	0.17660512	3.1463029	20	1 24.9	19.8
239350 2007 RN_{157}	16.5	X	202.19690	245.38490	78.29617	4.48564	0.1989575	0.27195670	2.3594070	20	2 8.8	20.4
239351 2007 RL_{161}	16.1	X	6.61371	223.36875	71.77121	4.60764	0.0568260	0.21995987	2.7179435	20	8 15.4	19.5
239352 2007 RF_{165}	16.3	X	261.25294	286.83615	179.16975	14.37482	0.0774957	0.23470227	2.6029022	20	10 29.9	19.7
239353 2007 RG_{165}	16.3	X	88.29119	308.29659	230.08217	2.65203	0.0100696	0.21447788	2.7640615	20	6 24.3	20.0
239354 2007 RD_{170}	16.6	X	160.62737	88.40253	120.26483	2.45751	0.0623501	0.23778614	2.5803485	20	11 8.5	20.2
239355 2007 RD_{174}	16.5	X	350.67497	244.08867	64.12997	4.89109	0.0916581	0.21961172	2.7208152	20	8 9.5	19.6
239356 2007 RH_{179}	15.5	X	6.93936	74.77098	49.37236	12.92919	0.0907451	0.17215907	3.2002417	20	1 3.2	19.7
239357 2007 RK_{179}	15.6	X	28.77536	239.26789	216.21149	16.76620	0.1250328	0.17060736	3.2196169	20	—	—
239358 2007 RQ_{179}	16.1	X	172.70962	142.11506	212.37962	11.53713	0.1271221	0.18436557	3.0573806	20	2 20.5	21.2
239359 2007 RU_{181}	15.7	X	233.21903	284.79493	12.60712	11.41374	0.0712735	0.19092548	2.9869420	20	2 20.3	20.3
239360 2007 RP_{185}	14.9	X	341.43076	120.58701	23.27341	26.83301	0.1600904	0.17874886	3.1210965	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239361 2007 RE_{204}	14.8	X	28.27650	250.50164	197.09223	17.30221	0.1387759	0.17549677	3.1595359	20	—	—
239362 2007 RO_{214}	15.8	X	344.23699	296.56395	198.65669	13.65421	0.1908966	0.17547954	3.1597427	20	—	—
239363 2007 RR_{214}	17.1	X	59.12081	7.23879	309.98685	2.70549	0.1601018	0.23814564	2.5777510	20	12 10.8	20.8
239364 2007 RH_{219}	16.8	X	42.17033	151.92259	184.94063	18.50418	0.2517824	0.23859893	2.5744851	20	12 27.5	21.0
239365 2007 RZ_{220}	15.4	X	352.89576	322.45984	200.34953	10.20849	0.0457963	0.18543118	3.0456562	20	1 28.5	19.7
239366 2007 RG_{222}	16.0	X	152.93580	349.83522	352.91886	1.92127	0.1043367	0.18224313	3.0810727	20	1 21.7	20.8
239367 2007 RW_{228}	16.9	X	182.66868	194.15394	146.11607	6.60462	0.1386433	0.27133555	2.3630065	20	2 8.1	20.5
239368 2007 RR_{230}	15.7	X	60.66663	208.76702	5.63753	13.86182	0.0197256	0.21454038	2.7635247	20	7 10.0	19.7
239369 2007 RD_{245}	16.3	X	235.88706	348.31084	58.55513	5.15576	0.0667261	0.21202817	2.7853108	20	7 5.9	20.3
239370 2007 RH_{259}	15.6	X	120.97470	181.51706	198.89476	9.50420	0.0993383	0.18235128	3.0798543	20	1 28.5	20.2
239371 2007 RG_{279}	16.0	X	22.16798	335.90941	54.01293	14.73767	0.1849719	0.24368151	2.5385614	20	—	—
239372 2007 RA_{284}	17.1	X	105.81475	107.21566	179.49148	5.47697	0.1378795	0.24123911	2.5556669	20	12 18.9	21.1
239373 2007 RF_{285}	16.4	X	230.61752	91.16551	144.32888	2.88577	0.0335442	0.17689275	3.1428913	20	—	—
239374 2007 RR_{285}	16.1	X	55.72278	218.30138	12.87402	4.03712	0.0465419	0.21477626	2.7615010	20	7 28.4	19.8
239375 2007 RA_{286}	17.3	X	44.61721	55.20725	242.81008	2.78187	0.1076787	0.22970865	2.6404897	20	10 20.3	20.6
239376 2007 RW_{289}	16.3	X	253.30951	192.02403	166.37609	3.00202	0.0501390	0.20192548	2.8774556	20	5 27.2	20.3
239377 2007 RV_{308}	15.5	X	31.90136	273.45099	134.50373	5.95799	0.1854315	0.17279025	3.1924435	20	—	—
239378 2007 RC_{313}	17.1	X	201.08575	185.21466	116.55964	2.10234	0.1853315	0.27176437	2.3605201	20	1 10.7	21.0
239379 2007 RQ_{319}	16.1	X	247.71505	281.17036	190.47307	13.65787	0.0337274	0.22801135	2.6535773	20	10 22.9	19.6
239380 2007 SQ	16.3	X	208.22212	218.71589	73.82848	6.07254	0.2147412	0.26709804	2.3879336	20	1 6.9	20.3
239381 2007 SM_{1}	16.2	X	352.57724	1.46821	335.39665	4.86964	0.1012893	0.22701261	2.6613545	20	9 21.1	19.1
239382 2007 SM_{6}	15.4	X	4.23969	269.55019	201.32878	10.45992	0.0500724	0.17564823	3.1577194	20	—	—
239383 2007 SC_{11}	15.5	X	292.37391	202.74751	126.30434	7.06513	0.0456539	0.20864548	2.8153349	20	6 9.9	19.4
239384 2007 SZ_{11}	16.1	X	258.83246	225.17167	66.59163	11.03755	0.2376033	0.27700902	2.3306306	20	2 18.1	20.0
239385 2007 SK_{13}	15.6	X	111.48455	57.48845	353.73952	8.91756	0.1148273	0.18656817	3.0332696	20	2 28.9	20.0
239386 2007 SE_{14}	15.7	X	168.81445	247.04452	203.81044	14.55260	0.1196838	0.20556185	2.8434201	20	6 15.1	20.4
239387 2007 SG_{14}	16.3	X	319.57264	155.80608	193.90705	8.82435	0.1377627	0.21926193	2.7237081	20	8 6.3	19.5
239388 2007 SJ_{19}	16.1	X	82.87872	239.84886	211.09101	2.59254	0.0412007	0.18673180	3.0314974	20	2 29.8	20.4
239389 2007 TE_{9}	16.2	X	359.82735	320.00030	14.68866	9.41747	0.0903634	0.22728851	2.6592003	20	10 1.5	19.2
239390 2007 TA_{15}	16.5	X	295.57788	112.51191	212.60007	23.14032	0.3355495	0.29218674	2.2492050	20	4 20.2	19.5
239391 2007 TF_{18}	15.6	X	79.89911	30.63026	25.43527	11.52970	0.0970320	0.17823961	3.1270385	20	1 27.8	20.0
239392 2007 TG_{20}	16.1	X	308.75068	85.48511	236.56798	2.01702	0.0775768	0.21192536	2.7862116	20	6 18.9	19.7
239393 2007 TZ_{21}	15.4	X	96.04357	192.26622	184.22812	10.81282	0.0701650	0.17924070	3.1153843	20	—	—
239394 2007 TE_{22}	15.3	X	319.96948	276.92944	74.77984	14.87837	0.1972835	0.21825710	2.7320614	20	8 11.8	18.3
239395 2007 TJ_{23}	16.6	X	62.70147	334.98447	351.06963	2.71872	0.2471317	0.23922438	2.5699959	20	—	—
239396 2007 TH_{25}	16.3	X	191.61177	52.79458	337.63337	1.98201	0.1628470	0.20253238	2.8717044	20	4 22.6	20.9
239397 2007 TF_{29}	15.6	X	250.65604	195.83668	26.80479	9.28823	0.0260483	0.17407040	3.1767723	20	—	—
239398 2007 TV_{36}	16.6	X	54.64030	266.11487	16.63245	2.42056	0.0590107	0.22788641	2.6545471	20	10 6.6	20.2
239399 2007 TJ_{38}	15.8	X	53.72578	294.24102	191.21956	10.12948	0.0596790	0.19071610	2.9891277	20	3 6.2	19.8
239400 2007 TL_{40}	17.3	X	91.72304	100.13533	218.36567	4.03245	0.2541989	0.24218203	2.5490289	20	—	—
239401 2007 TP_{41}	16.2	X	121.05525	257.52993	116.17689	1.67926	0.0544493	0.17666680	3.1455705	20	1 18.2	20.7
239402 2007 TU_{41}	16.0	X	114.84195	302.01775	357.12021	7.52444	0.2239588	0.24315149	2.5422490	20	—	—
239403 2007 TX_{41}	16.5	X	294.21311	123.27563	173.85047	4.96087	0.1385940	0.20960327	2.8067518	20	4 17.0	20.2
239404 2007 TX_{44}	15.8	X	297.16658	250.82242	34.62657	10.20607	0.0478977	0.20054085	2.8906853	20	4 19.3	19.8
239405 2007 TF_{48}	15.5	X	118.93342	28.33604	0.40141	4.83834	0.1978644	0.18238467	3.0794784	20	2 20.7	20.2
239406 2007 TX_{48}	16.1	X	107.45669	254.90449	220.78743	7.30009	0.0473416	0.19719615	2.9232801	20	5 3.2	20.0
239407 2007 TD_{49}	16.6	X	62.36276	24.22877	296.31690	1.21419	0.2122082	0.23773345	2.5807297	20	12 23.9	20.6
239408 2007 TF_{50}	15.5	X	221.69517	255.96667	20.54862	9.92949	0.0315816	0.18096159	3.0956020	20	1 15.3	20.1
239409 2007 TL_{55}	15.5	X	229.83076	232.33682	27.91324	12.09458	0.0339231	0.17641141	3.1486056	20	1 4.6	20.3
239410 2007 TX_{56}	15.4	X	20.55057	229.81581	222.09810	7.25987	0.0787045	0.17085458	3.2165104	20	—	—
239411 2007 TZ_{58}	16.4	X	199.47300	311.67172	189.40137	13.79203	0.0953524	0.22861643	2.6488931	20	9 21.4	20.3
239412 2007 TY_{62}	15.4	X	1.66990	99.82861	25.12093	11.80352	0.0188818	0.17635465	3.1492812	20	—	—
239413 2007 TD_{68}	14.7	X	135.16125	295.56455	65.08316	24.11584	0.1333936	0.17873317	3.1212791	20	2 1.3	19.8
239414 2007 TG_{74}	15.6	X	62.91529	119.59770	208.94194	14.24595	0.1576647	0.23459826	2.6036715	20	12 26.5	19.7
239415 2007 TK_{74}	16.5	X	115.33779	120.21258	165.13531	4.74042	0.0857991	0.24025777	2.5626213	20	12 24.4	20.4
239416 2007 TY_{91}	16.7	X	12.37419	261.01449	61.45324	3.60782	0.2512825	0.22938798	2.6429500	20	10 29.2	19.3
239417 2007 TR_{92}	16.0	X	348.94885	246.72736	107.44417	5.73963	0.2780500	0.22733324	2.6588515	20	10 31.7	18.1
239418 2007 TY_{93}	16.4	X	243.15170	203.15629	144.88469	2.60722	0.0845917	0.19977130	2.8981041	20	4 27.9	20.7
239419 2007 TA_{95}	16.4	X	83.57961	160.55943	160.56091	6.20202	0.1963636	0.24179857	2.5517232	20	—	—
239420 2007 TW_{106}	16.2	X	70.07480	283.62654	351.38993	1.76264	0.1108898	0.22916828	2.6446389	20	10 23.0	19.9
239421 2007 TA_{112}	15.4	X	296.38969	309.61080	281.65869	7.40986	0.0498493	0.18890944	3.0081554	20	2 8.5	19.7
239422 2007 TF_{124}	16.7	X	43.47412	156.15725	173.76411	4.05973	0.1507759	0.23380538	2.6095545	20	12 7.4	20.2
239423 2007 TJ_{124}	16.4	X	253.64722	264.83463	69.39994	2.97197	0.0716087	0.20051401	2.8909433	20	4 23.9	20.4
239424 2007 TJ_{138}	17.0	X	100.56418	84.25830	202.26326	3.55947	0.2011367	0.23574395	2.5952289	20	12 16.1	21.4
239425 2007 TG_{140}	15.5	X	303.11837	325.52167	32.89587	26.08900	0.0727786	0.21595319	2.7514585	20	8 15.6	19.6
239426 2007 TU_{141}	15.9	X	310.03346	91.62267	81.72831	3.66004	0.1161547	0.17219141	3.1998409	20	—	—
239427 2007 TM_{146}	15.3	X	50.47159	53.06367	29.66240	9.40930	0.0574544	0.17813926	3.1282127	20	1 14.2	19.6
239428 2007 TR_{147}	16.8	X	342.18845	251.46835	88.36958	3.41458	0.2192103	0.22451386	2.6810646	20	9 13.1	18.9
239429 2007 TK_{148}	15.1	X	59.83026	48.29769	32.69705	17.25771	0.0720645	0.18146534	3.0898704	20	1 29.7	19.5
239430 2007 TP_{153}	15.6	X	79.54940	77.52518	5.10859	8.25640	0.0757766	0.18539313	3.0460729	20	2 23.5	19.7
239431 2007 TV_{154}	15.9	X	121.68845	124.38088	264.32003	2.65594	0.1682744	0.18365194	3.0652957	20	2 17.7	20.5
239432 2007 TY_{154}	15.0	X	16.99455	88.72451	16.82061	21.82531	0.0777139	0.17584395	3.1553759	20	—	—
239433 2007 TQ_{161}	16.2	X	302.80813	319.61986	17.71395	6.59418	0.0522634	0.21332429	2.7740174	20	7 5.4	19.9
239434 2007 TX_{161}	15.4	X	102.50828	215.07223	198.54468	13.21081	0.0728097	0.18452600	3.0556082	20	2 10.8	20.0
239435 2007 TB_{163}	15.8	X	105.14878	191.89457	191.51165	4.85443	0.1405622	0.17876044	3.1209617	20	1 21.3	20.3
239436 2007 TH_{163}	15.9	X	60.50307	70.73567	210.99709	13.41271	0.0467356	0.22535747	2.6743695	20	10 9.4	19.4
239437 2007 TT_{163}	15.7	X	117.56190	12.73901	31.61168	5.77357	0.2116813	0.18341197	3.0679687	20	3 11.1	20.5
239438 2007 TU_{164}	15.7	X	136.79254	341.07716	26.58189	3.08124	0.0873149	0.18105968	3.0944838	20	2 2.1	20.2
239439 2007 TQ_{168}	16.0	X	266.41419	103.91317	232.57609	4.48127	0.0456125	0.20390256	2.8588251	20	5 15.2	19.9
239440 2007 TR_{171}	15.8	X	222.59830	262.62288	133.99053	2.82232	0.0447277	0.20714364	2.8289264	20	6 8.4	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239441 2007 TO_{175}	16.4	X	247.21256	1.83554	357.61135	1.67065	0.0838025	0.20317935	2.8656051	20	5 15.6	20.5
239442 2007 TJ_{177}	15.5	X	159.65650	313.99394	34.01798	10.55644	0.1086409	0.18261375	3.0769025	20	2 7.5	20.4
239443 2007 TY_{177}	15.6	X	86.90957	174.07993	224.74320	8.90240	0.0854088	0.17452437	3.1712611	20	1 9.7	20.1
239444 2007 TQ_{178}	16.2	X	70.71627	79.09810	357.73389	4.44985	0.1640229	0.18265726	3.0764139	20	2 15.3	20.0
239445 2007 TO_{180}	15.9	X	337.01669	55.01305	177.66048	1.52565	0.1579444	0.20103103	2.8859844	20	3 23.8	19.0
239446 2007 TA_{186}	16.1	X	334.56245	281.18263	75.46328	4.82049	0.1178600	0.22429655	2.6827960	20	9 21.6	19.0
239447 2007 TX_{186}	15.7	X	300.02282	293.21487	49.73681	7.19967	0.0585525	0.21361863	2.7714686	20	7 8.1	19.4
239448 2007 TD_{190}	16.2	X	109.48061	207.00469	201.55638	0.50821	0.0815561	0.18981698	2.9985595	20	2 16.9	20.4
239449 2007 TW_{207}	15.3	X	74.20569	323.75116	110.76200	9.67532	0.1721013	0.18058821	3.0998675	20	2 20.1	19.3
239450 2007 TR_{215}	16.2	X	329.79891	42.19696	271.30685	3.86239	0.1520862	0.21222420	2.7835955	20	7 4.0	19.1
239451 2007 TQ_{217}	16.3	X	271.13868	293.42250	20.71592	5.93178	0.0534949	0.19642132	2.9309627	20	4 20.8	20.5
239452 2007 TC_{226}	16.9	X	96.30481	269.61054	38.18189	5.38287	0.2511638	0.24311081	2.5425326	20	—	—
239453 2007 TY_{229}	16.7	X	204.17034	280.50732	62.79548	0.77901	0.1007425	0.19057570	2.9905956	20	3 11.2	21.4
239454 2007 TY_{234}	16.4	X	233.99025	18.19991	317.36640	1.14614	0.0704998	0.20382806	2.8595217	20	4 1.5	20.4
239455 2007 TS_{237}	15.6	X	217.42477	313.65178	38.68681	10.07623	0.0874134	0.19306361	2.9648480	20	4 6.8	20.1
239456 2007 TB_{242}	16.5	X	250.99411	172.57233	226.26713	9.09301	0.1354814	0.29370689	2.2414375	20	7 6.4	19.5
239457 2007 TG_{256}	15.5	X	171.29000	89.79382	181.84362	3.46632	0.0520447	0.16804242	3.2522962	20	—	—
239458 2007 TC_{269}	15.7	X	292.41170	41.90373	190.55103	5.88147	0.0145924	0.18617827	3.0375030	20	2 10.9	20.1
239459 2007 TO_{278}	15.5	X	347.63994	193.52239	349.97841	4.48611	0.0726563	0.18785917	3.0193569	20	2 17.1	19.4
239460 2007 TH_{281}	16.1	X	192.19019	173.26524	214.77775	5.64007	0.0924771	0.20010562	2.8948753	20	4 21.4	20.3
239461 2007 TQ_{281}	16.3	X	221.42002	193.04550	141.12771	0.39957	0.1364124	0.19640044	2.9311704	20	3 14.9	20.9
239462 2007 TK_{289}	15.7	X	47.73859	185.54423	89.01609	8.13816	0.1196483	0.22117884	2.7079481	20	9 29.3	19.4
239463 2007 TX_{316}	15.4	X	24.03325	200.12342	60.56804	10.19921	0.1045203	0.21066835	2.7972838	20	7 30.6	18.9
239464 2007 TT_{347}	16.5	X	210.88435	236.44144	142.42618	4.27345	0.1103772	0.21044180	2.7992910	20	4 30.1	20.9
239465 2007 TZ_{373}	15.3	X	131.47504	62.98861	353.22532	10.29860	0.0227246	0.19122310	2.9838419	20	3 15.6	19.4
239466 2007 TJ_{375}	16.0	X	310.77706	172.97418	161.48449	8.94186	0.0237883	0.21736136	2.7395621	20	7 14.7	19.7
239467 2007 TO_{375}	16.9	X	233.89605	182.36643	104.83439	3.77377	0.2183695	0.27329779	2.3516822	20	1 20.0	20.9
239468 2007 TR_{388}	15.8	X	269.62273	164.46465	126.63010	2.84654	0.0638241	0.19697306	2.9254869	20	3 21.2	20.0
239469 2007 TG_{428}	15.5	X	249.13993	133.85428	112.13446	4.26207	0.1258071	0.17538723	3.1608513	20	1 1.2	20.5
239470 2007 TS_{443}	16.2	X	168.11435	252.49015	140.52081	3.58678	0.0932085	0.19343580	2.9610436	20	4 4.7	20.7
239471 2007 UZ_{8}	15.9	X	150.82389	182.74042	167.68093	10.01375	0.1369599	0.18230587	3.0803657	20	1 29.4	20.8
239472 2007 UF_{12}	16.8	X	158.38421	66.70786	231.13462	2.21119	0.1164750	0.25988549	2.4319130	20	—	—
239473 2007 UT_{14}	15.2	X	117.16692	245.00649	106.94099	16.86285	0.0864656	0.17578990	3.1560226	20	—	—
239474 2007 UF_{17}	16.3	X	208.56883	133.26994	209.30473	1.32814	0.1088960	0.19462590	2.9489605	20	3 13.4	20.8
239475 2007 UX_{20}	15.7	X	47.14473	252.12825	18.09537	17.59634	0.1062938	0.22169067	2.7037784	20	9 21.3	19.3
239476 2007 UF_{21}	16.1	X	156.78665	3.10933	29.89758	1.05861	0.0462225	0.19023257	2.9941907	20	3 19.8	20.5
239477 2007 UB_{26}	15.6	X	8.06013	114.94708	56.95944	10.72892	0.0761702	0.18333538	3.0688231	20	3 8.5	19.7
239478 2007 UJ_{29}	16.4	X	282.90599	4.70977	338.83892	1.48518	0.0826911	0.20969997	2.8058889	20	6 9.7	20.2
239479 2007 UX_{35}	16.6	X	80.01128	235.80068	80.07554	5.26474	0.1160740	0.24074156	2.5591869	20	12 27.3	20.2
239480 2007 UW_{37}	16.2	X	292.53785	243.12587	111.40139	6.87865	0.0595876	0.21390186	2.7690216	20	7 12.2	19.6
239481 2007 UX_{40}	17.1	X	30.86790	240.34376	17.37730	4.05204	0.1626057	0.21403902	2.7678385	20	8 14.1	20.3
239482 2007 UM_{59}	15.9	X	130.21452	320.89781	32.59586	1.74414	0.0653317	0.17474736	3.1685626	20	1 6.7	20.4
239483 2007 UF_{80}	16.8	X	262.48001	82.80052	235.28786	0.87174	0.0821239	0.19834369	2.9119939	20	4 11.6	20.8
239484 2007 UC_{84}	15.8	X	200.75186	63.40135	227.66673	2.54419	0.1675425	0.17806663	3.1290634	20	1 8.4	21.0
239485 2007 UQ_{86}	16.3	X	351.10378	123.62021	156.20867	2.29852	0.0391984	0.20484552	2.8500452	20	6 27.8	20.0
239486 2007 UT_{95}	16.6	X	229.15294	324.17964	35.34666	2.20995	0.0917664	0.20189718	2.8777245	20	4 24.9	20.8
239487 2007 UD_{105}	15.2	X	17.77770	251.48541	77.02158	12.13833	0.2189929	0.22461328	2.6802734	20	11 11.3	18.3
239488 2007 UL_{107}	15.2	X	115.41051	335.17157	69.82601	10.69794	0.1602764	0.18119647	3.0929263	20	3 7.3	19.9
239489 2007 UA_{113}	15.7	X	90.38920	249.63887	44.89910	7.79712	0.1990161	0.23392915	2.6086340	20	12 15.8	20.0
239490 2007 UN_{118}	16.2	X	308.21323	279.07932	332.30642	1.27133	0.0384494	0.18977457	2.9990062	20	3 22.5	20.1
239491 2007 UE_{128}	15.5	X	256.25325	179.38800	150.28955	11.11341	0.1139192	0.19930155	2.9026562	20	4 19.0	19.9
239492 2007 UQ_{133}	15.8	X	162.21555	274.27666	83.70185	6.17458	0.1099373	0.18190715	3.0848652	20	2 19.9	20.6
239493 2007 VO_{34}	15.2	X	307.94629	163.67015	63.49521	17.06296	0.0193430	0.18263215	3.0766958	20	3 5.1	19.8
239494 2007 VN_{52}	15.6	X	160.54375	286.19938	74.39873	9.65693	0.0908264	0.18213298	3.0823147	20	2 21.7	20.4
239495 2007 VU_{52}	15.7	X	244.80846	105.79819	210.94313	8.70740	0.1191678	0.19202124	2.9755679	20	3 16.1	20.3
239496 2007 VV_{57}	15.5	X	252.73512	221.53760	112.40829	6.19305	0.0095454	0.19430354	2.9522213	20	5 2.3	19.6
239497 2007 VR_{73}	16.6	X	66.39087	246.64168	46.53857	2.52592	0.2792869	0.22732857	2.6588879	20	11 29.5	20.8
239498 2007 VF_{84}	15.1	X	62.98575	139.27049	282.49547	8.80168	0.0448665	0.17316213	3.1878712	20	1 3.5	19.3
239499 2007 VP_{97}	16.5	X	48.24666	306.10324	17.32524	4.87583	0.2325384	0.23242786	2.6198551	20	12 14.2	20.4
239500 2007 VF_{122}	15.6	X	293.51953	203.52827	31.89340	8.72682	0.0012909	0.18192170	3.0847008	20	2 23.8	20.0
239501 2007 VF_{127}	15.9	X	76.42136	216.14710	226.32592	2.86394	0.1256904	0.18554223	3.0444408	20	2 22.2	19.8
239502 2007 VP_{164}	14.9	X	180.64247	260.05861	62.98188	16.48137	0.2831423	0.18185440	3.0854618	20	2 4.6	20.7
239503 2007 VH_{165}	15.1	X	301.03678	4.96266	69.79417	10.99911	0.0753739	0.14697223	3.5561428	20	10 28.5	19.9
239504 2007 VJ_{171}	16.1	X	241.12444	327.76536	328.38064	3.99238	0.1028961	0.18634584	3.0356818	20	2 20.7	20.8
239505 2007 VR_{189}	15.3	X	253.07082	177.83320	101.27503	11.04767	0.0546147	0.18260445	3.0770070	20	2 21.1	19.9
239506 2007 VD_{204}	17.1	X	64.79419	126.98189	173.28348	5.36061	0.1845142	0.22943970	2.6425528	20	11 28.2	21.0
239507 2007 VL_{214}	15.3	X	221.53643	203.23531	79.18498	11.50754	0.0795333	0.17756996	3.1348953	20	1 19.7	20.2
239508 2007 VG_{215}	16.3	X	6.72736	300.00881	41.21867	9.01999	0.2503166	0.22591940	2.6699330	20	11 11.7	19.0
239509 2007 VP_{232}	15.1	X	202.28086	255.15647	60.91910	11.18261	0.0778144	0.18046472	3.1012814	20	2 11.3	20.0
239510 2007 VY_{232}	16.6	X	330.81999	87.20203	230.45232	3.07453	0.2010821	0.21175644	2.7876931	20	7 7.1	19.3
239511 2007 VF_{269}	15.3	X	161.04150	264.19834	92.46819	8.28302	0.0733953	0.18210442	3.0826370	20	2 14.7	20.0
239512 2007 VM_{275}	15.7	X	245.65962	200.62659	66.47102	5.78842	0.1046735	0.17649122	3.1476564	20	1 24.7	20.5
239513 2007 VY_{286}	15.3	X	33.62785	102.50807	65.85784	9.69899	0.0450525	0.18936549	3.0033238	20	4 7.2	19.4
239514 2007 VN_{298}	15.0	X	48.17701	343.36749	103.60595	21.18434	0.1691262	0.17412819	3.1760694	20	1 24.7	18.7
239515 2007 WH_{23}	15.6	X	183.09635	184.76756	105.93822	3.59274	0.0720850	0.17241801	3.1970368	20	—	—
239516 2007 WX_{60}	15.6	X	354.08659	45.56719	257.62512	6.75537	0.2163728	0.21211332	2.7845654	20	8 7.1	18.2
239517 2007 XD_{23}	15.0	X	250.35555	188.17326	86.00232	9.88140	0.0540077	0.18043581	3.1016127	20	2 12.2	19.6
239518 2008 AL_{8}	15.4	X	347.44271	29.88946	302.57628	14.22564	0.1456746	0.20381965	2.8596004	20	8 29.2	18.7
239519 2008 DJ_{54}	15.0	X	99.96658	94.92094	0.80677	10.01913	0.0757111	0.17215512	3.2002906	20	4 2.7	19.5
239520 2008 GD_{90}	17.8	X	168.56191	207.12865	103.79765	2.23894	0.1260104	0.30260708	2.1972695	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239521 2008 HX_3	12.7	X	327.68930	129.07543	126.88365	18.22218	0.0344655	0.08185802	5.2532557	20	5 5.5	19.7
239522 2008 OG_{24}	16.4	X	155.06297	81.18686	317.75753	4.17192	0.1355230	0.21694727	2.7430471	20	3 27.7	20.7
239523 2008 PG	17.4	X	230.40503	158.40091	154.52659	23.67362	0.0145920	0.38537921	1.8701533	20	2 8.7	19.3
239524 2008 QA_{31}	15.4	X	21.21128	90.87974	326.42453	15.58921	0.2061111	0.18415106	3.0597544	20	—	—
239525 2008 RW_8	15.8	X	11.23375	210.39544	166.69038	10.16690	0.1517955	0.17340048	3.1849493	20	12 8.4	19.9
239526 2008 RE_{22}	17.0	X	99.07627	23.74889	359.75424	7.38809	0.1238100	0.28282475	2.2985702	20	—	—
239527 2008 RC_{32}	17.8	X	14.23897	117.15140	353.10086	2.38713	0.1565938	0.27897466	2.3196701	20	—	—
239528 2008 RX_{35}	17.5	X	336.74099	90.47498	341.89825	1.10530	0.1568877	0.26048176	2.4282003	20	—	—
239529 2008 RO_{57}	17.4	X	213.76010	161.90713	287.55827	1.45680	0.2476037	0.23256795	2.6188029	20	7 21.2	21.6
239530 2008 RL_{94}	16.8	X	2.95966	56.46661	3.02075	8.75084	0.1344486	0.26338692	2.4103119	20	—	—
239531 2008 RK_{96}	14.9	X	112.24574	82.62218	11.40555	7.27107	0.2065024	0.12336551	3.9964423	20	5 1.7	20.9
239532 2008 RT_{97}	17.6	X	241.07692	126.98565	221.20503	2.62694	0.1570081	0.30047292	2.2076615	20	4 12.8	20.6
239533 2008 SS_5	17.1	X	148.36075	289.29149	120.94511	5.11430	0.1559986	0.29511017	2.2343263	20	4 5.5	20.3
239534 2008 SO_{12}	17.1	X	222.41424	182.54087	193.17775	5.58583	0.1484229	0.30442069	2.1885339	20	5 2.2	20.1
239535 2008 SF_{26}	18.1	X	46.32505	313.76988	136.84051	3.17652	0.1857821	0.27936768	2.3174939	20	—	—
239536 2008 ST_{29}	17.1	X	79.28040	168.38682	204.98308	6.11408	0.0988308	0.27226410	2.3576308	20	—	—
239537 2008 SW_{31}	17.0	X	264.39352	308.56724	302.32324	5.33207	0.1349792	0.28987222	2.2611619	20	1 4.9	20.1
239538 2008 SW_{38}	16.3	X	138.75324	248.26905	178.80561	6.39029	0.0273758	0.21308582	2.7760866	20	4 7.1	20.1
239539 2008 SJ_{39}	17.5	X	312.19112	350.25545	78.34653	1.72957	0.1216293	0.25231935	2.4802893	20	11 27.9	19.7
239540 2008 SG_{44}	17.5	X	106.38540	237.06157	193.60650	6.87118	0.0600769	0.28926863	2.2643062	20	2 23.7	20.1
239541 2008 SW_{81}	16.0	X	250.55839	40.01332	335.53338	12.98269	0.1969506	0.22722720	2.6596786	20	5 23.8	20.3
239542 2008 SS_{90}	15.7	X	202.42116	30.46792	239.37125	3.13286	0.0207124	0.19177374	2.9781276	20	—	—
239543 2008 SZ_{92}	15.7	X	330.82685	173.15593	253.57577	4.81090	0.1430593	0.17117850	3.2124515	20	12 2.1	19.4
239544 2008 SH_{93}	15.8	X	201.03391	140.70919	229.89613	6.20255	0.0489858	0.21448572	2.7639942	20	4 7.9	19.9
239545 2008 SC_{98}	16.4	X	63.10157	65.47050	357.53073	2.53874	0.0648330	0.19251055	2.9705237	20	1 3.5	20.2
239546 2008 SN_{98}	17.4	X	334.28179	333.83956	173.26071	7.56116	0.1526283	0.27303876	2.3531693	20	—	—
239547 2008 SZ_{101}	16.4	X	343.20867	189.49654	13.27607	2.42639	0.0462064	0.20503476	2.8482912	20	3 6.1	20.0
239548 2008 SL_{103}	16.7	X	247.89912	257.87690	199.70417	8.00132	0.1281587	0.23956316	2.5675724	20	9 19.1	20.0
239549 2008 SW_{105}	16.0	X	348.47624	264.83451	192.71220	3.84904	0.0544789	0.18118896	3.0930117	20	—	—
239550 2008 SF_{115}	17.2	X	353.19622	17.19289	143.06976	5.24316	0.0881607	0.28390540	2.2927337	20	1 4.4	19.6
239551 2008 SZ_{130}	17.0	X	273.85383	203.98932	345.39878	2.70513	0.1616722	0.26941673	2.3742130	20	—	—
239552 2008 SH_{136}	17.0	X	124.95314	308.88903	288.20537	3.17591	0.0170781	0.25011983	2.4948090	20	11 2.9	20.3
239553 2008 SL_{138}	15.9	X	237.89107	212.56935	168.83584	6.52059	0.1046518	0.22347509	2.6893664	20	6 1.3	19.9
239554 2008 SG_{147}	16.5	X	268.54896	59.96564	326.45961	10.18503	0.0665210	0.23247320	2.6195144	20	7 24.1	19.9
239555 2008 SD_{156}	16.6	X	212.07920	259.98498	139.51551	3.72973	0.1172785	0.22459564	2.6804137	20	5 26.1	20.7
239556 2008 SO_{163}	17.3	X	331.78925	75.01269	21.33312	10.80870	0.2106267	0.26153257	2.4216918	20	—	—
239557 2008 SX_{173}	16.8	X	14.70135	227.39169	207.12214	21.16602	0.1010663	0.35616019	1.9710870	20	—	—
239558 2008 SQ_{176}	15.8	X	64.91067	254.59110	178.26947	12.12243	0.0239025	0.19765040	2.9187995	20	1 11.5	20.0
239559 2008 SX_{176}	16.1	X	234.16970	237.94600	134.95526	6.91449	0.0217565	0.22277486	2.6949989	20	5 26.5	19.9
239560 2008 SO_{189}	16.4	X	171.09254	83.84700	6.59098	8.84427	0.2123819	0.22041813	2.7141749	20	6 17.9	21.2
239561 2008 SK_{196}	17.6	X	351.86244	148.62260	45.27108	3.85716	0.0850717	0.28894033	2.2660210	20	2 21.6	19.8
239562 2008 SM_{204}	17.0	X	317.25991	349.07205	180.45706	6.85388	0.1229225	0.27265296	2.3553886	20	—	—
239563 2008 SG_{279}	17.5	X	307.82991	185.98755	38.12674	7.62112	0.0495376	0.28802303	2.2708297	20	2 4.8	20.3
239564 2008 SE_{285}	16.1	X	262.83207	30.28999	70.63401	16.88891	0.1413433	0.24444269	2.5332887	20	10 23.0	19.4
239565 2008 SH_{296}	17.7	X	116.83031	255.79370	136.24069	4.54457	0.1695137	0.28426982	2.2907738	20	2 4.9	20.4
239566 2008 SV_{299}	16.0	X	219.51063	191.19886	156.37889	5.51059	0.0473942	0.21347359	2.7727238	20	4 3.2	19.9
239567 2008 SD_{302}	16.0	X	77.63099	136.06752	343.48916	3.81603	0.0123510	0.20918486	2.8104933	20	3 24.1	19.7
239568 2008 TE_5	17.2	X	219.87987	37.82226	34.81941	2.62023	0.1987023	0.22969153	2.6406209	20	7 9.3	21.5
239569 2008 TU_{39}	16.9	X	134.72671	98.24108	24.93324	5.06168	0.0598563	0.22044144	2.7139836	20	6 16.6	20.8
239570 2008 TC_{54}	17.0	X	260.50860	346.30060	165.73163	5.02696	0.1171491	0.25924437	2.4359208	20	12 28.2	19.6
239571 2008 TV_{57}	18.0	X	56.47712	74.97517	30.40107	3.39399	0.0636885	0.28549105	2.2842364	20	2 1.4	20.3
239572 2008 TR_{59}	17.7	X	335.55731	57.09052	44.30995	3.59428	0.1352179	0.26319070	2.4115098	20	—	—
239573 2008 TH_{74}	16.9	X	285.55787	31.91936	10.12882	2.69641	0.1058703	0.23784827	2.5798991	20	9 2.7	19.9
239574 2008 TY_{86}	17.6	X	350.38484	172.07711	299.24641	1.89876	0.1456104	0.26908815	2.3761453	20	—	—
239575 2008 TY_{89}	17.3	X	71.19405	273.75598	202.54963	4.68203	0.0673800	0.28959170	2.2626218	20	3 8.8	19.8
239576 2008 TS_{93}	17.3	X	88.45681	283.89739	158.62807	4.38336	0.1023777	0.28789739	2.2714904	20	2 22.8	19.5
239577 2008 TD_{103}	17.3	X	2.45698	61.29980	30.54970	7.17574	0.1434444	0.26756841	2.3851342	20	—	—
239578 2008 TO_{110}	16.5	X	105.67523	279.57580	342.65909	6.26267	0.1041522	0.25388606	2.4700750	20	11 17.3	20.2
239579 2008 TF_{118}	16.7	X	49.76461	38.98062	37.38100	7.37129	0.0657448	0.27448202	2.3449133	20	—	—
239580 2008 TP_{140}	15.5	X	168.39755	128.72456	342.45017	14.84188	0.1325313	0.22889213	2.6467656	20	7 15.6	19.9
239581 2008 TT_{165}	15.7	X	12.57988	282.35442	159.05276	7.51475	0.1151051	0.18378181	3.0638515	20	—	—
239582 2008 TX_{169}	16.0	X	330.77618	355.76168	255.59506	5.03824	0.0406788	0.21539510	2.7562091	20	4 18.6	19.7
239583 2008 TC_{172}	16.7	X	217.23047	347.72274	207.89146	6.11209	0.1494047	0.25264225	2.4781755	20	12 18.8	20.0
239584 2008 TL_{185}	16.7	X	168.09280	274.33219	155.64191	3.33192	0.0542961	0.21512184	2.7585427	20	5 18.3	20.7
239585 2008 UU_7	17.9	X	316.51383	115.02681	341.69548	0.71978	0.1504819	0.26046670	2.4282939	20	—	—
239586 2008 UY_9	17.1	X	278.57304	328.63321	183.19438	2.33215	0.1073020	0.26572234	2.3961684	20	—	—
239587 2008 UH_{18}	17.7	X	243.47962	234.53084	14.26813	3.24154	0.1605168	0.28252946	2.3001715	20	—	—
239588 2008 UU_{30}	17.8	X	7.78948	340.23092	185.13183	3.33310	0.0824557	0.28437935	2.2901856	20	2 4.5	20.1
239589 2008 UW_{32}	17.6	X	32.83722	136.91144	84.75859	4.27035	0.1040115	0.30509835	2.1852920	20	6 20.1	19.2
239590 2008 UY_{33}	17.0	X	186.42580	210.43393	58.55703	4.81552	0.1378319	0.27420183	2.3465104	20	—	—
239591 2008 UX_{37}	17.7	X	47.57857	184.33830	21.91964	5.08766	0.0633836	0.30314431	2.1946727	20	6 15.0	20.0
239592 2008 UO_{54}	16.8	X	292.12360	27.92427	222.30293	5.30320	0.1770430	0.28524380	2.2855562	20	1 27.8	20.0
239593 Tianwenbang	17.2	X	49.52728	280.58295	162.23263	3.60374	0.0650327	0.27642973	2.3338855	20	—	—
239594 2008 UL_{58}	17.6	X	77.83510	343.26779	160.91854	4.12922	0.0858249	0.29639897	2.2278448	20	5 5.4	20.0
239595 2008 UN_{74}	15.5	X	312.99428	358.76307	276.21128	7.32416	0.1568881	0.21347388	2.7727213	20	4 6.2	19.1
239596 2008 UZ_{75}	16.8	X	215.17617	173.40929	36.06680	6.26006	0.0707214	0.25556218	2.4592631	20	—	—
239597 2008 UL_{98}	16.2	X	317.44925	357.94361	96.18953	7.14056	0.1015853	0.25389997	2.4699848	20	—	—
239598 2008 UE_{114}	16.5	X	198.31246	46.03015	4.22460	3.20702	0.1471780	0.21845378	2.7304214	20	5 23.1	20.8
239599 2008 UQ_{114}	16.6	X	193.67179	163.35257	297.82084	2.53787	0.0543247	0.22810265	2.6528692	20	7 28.3	20.4
239600 2008 UO_{140}	17.5	X	321.95846	100.16860	40.50650	3.35718	0.1195424	0.26511712	2.3998137	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239601 2008 UY_{141}	17.2	X	72.12593	321.91789	58.53016	2.43397	0.1059852	0.26711510	2.3878319	20	—	—
239602 2008 UE_{148}	16.7	X	303.57740	34.56918	31.04550	1.82037	0.1152024	0.24463519	2.5319596	20	11 5.4	19.4
239603 2008 UA_{149}	16.7	X	5.90865	87.76005	47.65896	7.72940	0.0543296	0.27462583	2.3440946	20	—	—
239604 2008 UH_{154}	17.6	X	37.62475	38.83344	207.06508	0.92451	0.1144718	0.31054102	2.1596833	20	8 9.8	19.4
239605 2008 UP_{156}	16.5	X	263.57686	219.41334	220.38826	2.62175	0.1031298	0.23816645	2.5776008	20	9 20.8	19.6
239606 2008 UC_{167}	15.7	X	47.52180	38.28138	218.53917	14.55495	0.1443378	0.23360033	2.6110815	20	8 31.4	19.3
239607 2008 US_{192}	17.5	X	5.79453	338.73390	101.69238	4.18865	0.0987995	0.26504730	2.4002351	20	—	—
239608 2008 UL_{197}	17.0	X	227.41846	330.23727	105.43083	3.30833	0.0768349	0.23011830	2.6373551	20	8 2.9	20.6
239609 2008 UU_{202}	16.2	X	282.40528	47.02140	313.29501	4.80932	0.0736844	0.23042771	2.6349937	20	7 4.7	19.5
239610 2008 UY_{211}	16.1	X	350.73858	116.97783	45.63647	6.74416	0.1924367	0.18641652	3.0349145	20	1 14.0	19.6
239611 Likwohting	16.9	X	15.91860	333.05859	176.71769	5.33102	0.0194779	0.28298174	2.2977200	20	1 30.3	19.7
239612 2008 UU_{212}	17.4	X	151.49493	342.32426	171.03569	2.99933	0.1052882	0.22857342	2.6492253	20	8 16.9	21.5
239613 2008 UW_{220}	15.8	X	94.44174	340.76290	124.02181	4.91163	0.0595696	0.21037590	2.7998755	20	4 5.9	19.6
239614 2008 UB_{223}	16.8	X	203.62476	219.26203	29.16495	10.03948	0.0765012	0.26627263	2.3928659	20	—	—
239615 2008 UR_{238}	16.9	X	171.68629	102.74148	330.01478	3.01989	0.0842354	0.21584178	2.7524052	20	5 25.1	21.0
239616 2008 US_{239}	16.0	X	147.86907	293.14774	260.20203	12.49527	0.0843797	0.23771058	2.5808952	20	9 28.7	20.1
239617 2008 UM_{245}	16.5	X	330.93824	40.26811	326.82204	2.93274	0.1815515	0.24027237	2.5625174	20	9 29.3	18.6
239618 2008 UT_{250}	16.1	X	120.78311	121.55165	225.23756	8.28512	0.1127371	0.18783167	3.0196516	20	—	—
239619 2008 US_{253}	17.1	X	235.64644	52.82054	57.98523	3.93098	0.1477076	0.23813592	2.5778211	20	9 21.7	20.6
239620 2008 UR_{270}	16.0	X	111.54013	279.66529	190.76948	1.96952	0.0300316	0.21516114	2.7582068	20	4 28.8	19.8
239621 2008 UO_{290}	17.4	X	245.22034	58.79835	193.51918	4.29998	0.0651104	0.27363962	2.3497233	20	—	—
239622 2008 UZ_{320}	14.9	X	92.22592	294.69163	258.02294	24.05222	0.2367588	0.21830695	2.7316456	20	8 6.2	19.7
239623 2008 UG_{338}	16.0	X	225.69908	65.83450	17.35924	7.49236	0.1038874	0.22851436	2.6496818	20	8 10.1	19.9
239624 2008 UZ_{351}	15.0	X	38.16552	262.18098	162.22643	19.39024	0.1090034	0.18176364	3.0864888	20	—	—
239625 2008 UR_{358}	16.7	X	174.54469	245.41419	185.09443	8.61250	0.1215354	0.21348878	2.7725923	20	5 27.8	21.2
239626 2008 UK_{369}	16.2	X	207.04852	244.21083	249.71855	10.22455	0.0853409	0.23595168	2.5937055	20	9 18.6	20.1
239627 2008 VW_{1}	16.7	X	263.21842	76.71014	353.32953	12.78625	0.0874253	0.23901583	2.5714906	20	9 11.3	19.8
239628 2008 VM_{10}	16.8	X	273.75146	40.84232	44.98176	4.05094	0.0808192	0.23987311	2.5653601	20	10 19.5	19.7
239629 2008 VB_{11}	16.8	X	168.94305	95.81355	173.16850	4.73483	0.0861601	0.26298177	2.4127868	20	—	—
239630 2008 VV_{14}	16.8	X	244.82244	342.25809	252.53882	5.67000	0.0710968	0.27125886	2.3634518	20	—	—
239631 2008 VU_{41}	16.8	X	232.91634	33.31167	107.77737	5.92935	0.1715137	0.24342174	2.5403671	20	10 26.3	20.4
239632 2008 VW_{59}	17.0	X	286.06456	201.27006	196.89318	2.93816	0.2141151	0.23618907	2.5919673	20	8 8.9	20.1
239633 2008 VN_{70}	16.9	X	169.90685	142.49735	109.63737	3.66198	0.1248308	0.25663157	2.4524265	20	—	—
239634 2008 VD_{76}	16.6	X	62.09288	111.61702	166.03038	3.55547	0.1451380	0.24108305	2.5567696	20	10 25.3	20.1
239635 2008 WW_{12}	16.1	X	59.64200	264.91071	164.20843	4.17589	0.1851034	0.18697016	3.0289203	20	1 19.0	19.6
239636 2008 WX_{13}	15.3	X	181.77448	211.12775	51.38647	8.86874	0.1484819	0.17870685	3.1215856	20	—	—
239637 2008 WP_{24}	17.0	X	275.42846	114.43180	297.68031	0.78293	0.1522824	0.23498812	2.6007910	20	8 23.2	20.1
239638 2008 WT_{25}	17.0	X	312.91715	228.23465	112.97833	3.89554	0.1771433	0.31649682	2.1325038	20	7 19.4	18.4
239639 2008 WF_{35}	17.1	X	339.58294	25.10089	158.90339	3.10096	0.0929505	0.28234932	2.3011498	20	1 16.2	19.6
239640 2008 WV_{38}	17.3	X	182.09280	326.99815	189.48136	1.39752	0.0506109	0.23595972	2.5936466	20	9 26.7	21.0
239641 2008 WX_{41}	17.0	X	266.66129	87.47683	19.37337	2.16829	0.0752235	0.24343129	2.5403006	20	11 7.0	19.9
239642 2008 WO_{45}	16.0	X	147.94658	119.10522	65.81889	3.39632	0.1275403	0.23114788	2.6295177	20	9 25.4	20.1
239643 2008 WQ_{46}	16.2	X	125.99516	59.32118	37.15325	2.48948	0.0270220	0.20700966	2.8301468	20	4 28.5	20.2
239644 2008 WX_{53}	16.5	X	202.39159	69.87707	58.55158	13.43117	0.1215151	0.23533909	2.5982045	20	9 15.6	20.6
239645 2008 WQ_{58}	15.2	X	188.02850	21.41708	253.48779	10.84902	0.0241432	0.18188885	3.0850722	20	—	—
239646 2008 WS_{66}	16.5	X	327.93599	39.28893	72.94353	6.75989	0.1065582	0.25797688	2.4438930	20	—	—
239647 2008 WW_{66}	16.8	X	172.41396	87.66120	77.04551	5.90354	0.1107405	0.23322248	2.6139008	20	9 26.4	20.8
239648 2008 WJ_{68}	16.0	X	334.91313	71.08787	97.26451	3.16270	0.1906503	0.18273678	3.0755213	20	—	—
239649 2008 WB_{69}	16.6	X	276.31825	262.95566	134.88300	2.22421	0.1695276	0.23117554	2.6293080	20	8 1.3	19.7
239650 2008 WT_{70}	16.9	X	301.06098	47.13684	24.45737	0.79349	0.0924551	0.24130193	2.5552233	20	11 10.2	19.6
239651 2008 WK_{76}	17.2	X	322.44739	11.67431	197.41277	3.87872	0.1052272	0.28048211	2.3113512	20	1 23.6	19.9
239652 2008 WA_{94}	16.2	X	277.16977	53.67128	3.95139	14.80989	0.0941799	0.23675375	2.5878442	20	9 15.0	19.4
239653 2008 WF_{98}	15.0	X	21.57190	44.37210	85.45050	28.26872	0.1437044	0.18072949	3.0982517	20	2 1.8	19.0
239654 2008 WX_{100}	15.6	X	29.93360	325.41725	93.88779	2.28973	0.1909934	0.17598815	3.1536519	20	—	—
239655 2008 WQ_{107}	16.7	X	93.50190	42.54675	117.91347	4.33628	0.1250749	0.21088071	2.7954055	20	6 24.1	20.6
239656 2008 WR_{123}	16.2	X	143.42344	208.48873	59.22650	6.22863	0.1318396	0.25296623	2.4760591	20	—	—
239657 2008 WL_{124}	15.5	X	49.55180	356.02421	82.55085	10.88707	0.1468851	0.18401356	3.0612785	20	1 11.9	19.2
239658 2008 WG_{125}	16.7	X	346.71960	308.40719	14.02436	0.73315	0.0688410	0.22370363	2.6875343	20	8 21.5	19.7
239659 2008 WM_{130}	16.3	X	156.92212	41.16603	71.07466	4.75284	0.0495526	0.21253556	2.7808762	20	6 28.3	20.4
239660 2008 WR_{132}	15.9	X	250.04083	326.67999	140.84161	14.98216	0.1314682	0.24048053	2.5610385	20	10 11.9	19.5
239661 2008 WQ_{134}	16.7	X	3.78002	331.75129	338.66625	2.84260	0.0600116	0.22441644	2.6818405	20	8 31.2	19.8
239662 2008 WU_{134}	16.5	X	259.26827	174.04263	69.48128	9.71250	0.1449270	0.27318054	2.3523551	20	—	—
239663 2008 WV_{135}	16.4	X	20.88425	337.38215	119.33347	2.37997	0.1443617	0.17983655	3.1084991	20	—	—
239664 2008 XE	15.3	X	142.36991	309.55559	94.25407	13.25807	0.0926750	0.19654094	2.9297734	20	3 27.3	19.9
239665 2008 XJ_{36}	15.9	X	93.54851	107.06638	60.25014	10.10965	0.0884434	0.21375740	2.7702690	20	6 27.9	19.9
239666 2008 XS_{39}	16.5	X	140.11687	51.58650	8.84133	1.80549	0.0651886	0.20133989	2.8830323	20	4 4.1	20.6
239667 2008 XT_{51}	15.0	X	355.85576	60.29367	44.46799	14.03448	0.1487983	0.17169658	3.2059860	20	—	—
239668 2008 XU_{53}	16.3	X	0.02692	326.39344	141.63695	1.35658	0.1476628	0.17693285	3.1424164	20	—	—
239669 2008 XZ_{55}	16.9	X	224.27251	228.99181	218.28910	3.71631	0.1035873	0.22776801	2.6554669	20	8 9.2	20.7
239670 2008 XC_{56}	15.8	X	12.85208	281.98251	177.83961	6.60337	0.0993124	0.17941726	3.1133402	20	—	—
239671 2008 XD_{56}	16.1	X	186.92012	298.71070	140.17080	7.24318	0.0851046	0.21674776	2.7447301	20	6 19.8	20.4
239672 SOFIA	15.8	X	149.05762	17.12108	78.41017	10.30760	0.0981045	0.20484218	2.8500761	20	5 31.5	20.0
239673 2008 YV_{22}	16.4	X	188.26504	171.78716	246.11146	1.12373	0.0585326	0.20360587	2.8616017	20	5 25.2	20.5
239674 2008 YD_{23}	16.0	X	167.69338	353.75742	106.33839	9.10853	0.1122209	0.21490025	2.7604386	20	6 26.2	20.3
239675 Mottez	16.6	X	211.32838	7.80105	263.74389	2.88390	0.1427169	0.26614378	2.3936382	20	—	—
239676 2008 YM_{32}	15.3	X	324.57936	326.22215	60.53275	9.41665	0.2266939	0.23811811	2.5779497	20	10 19.8	17.3
239677 2008 YM_{37}	15.8	X	9.11289	172.49996	119.20424	10.52835	0.1205024	0.21598431	2.7511942	20	8 19.4	18.9
239678 2008 YW_{51}	16.9	X	93.18453	329.77087	26.96493	2.36485	0.2036066	0.25745123	2.4472184	20	—	—
239679 2008 YA_{55}	15.7	X	148.19165	282.81022	106.09460	10.77979	0.0513572	0.18622005	3.0370487	20	3 9.9	20.3
239680 2008 YM_{57}	15.9	X	66.45953	110.91910	344.08199	2.94058	0.0790738	0.18623173	3.0369217	20	2 19.5	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239681 2008 YL_{60}	15.6	X	55.19032	186.33711	89.50654	9.52593	0.1504099	0.22446938	2.6814188	20	10 16.3	19.4
239682 2008 YY_{63}	16.3	X	313.23008	250.83355	138.13789	6.50548	0.0307947	0.22778518	2.6553335	20	10 5.1	19.7
239683 2008 YA_{64}	15.8	X	72.82907	345.04391	148.30050	5.42230	0.0537942	0.19360623	2.9593057	20	4 14.2	19.8
239684 2008 YR_{80}	16.1	X	184.52004	10.43655	55.98992	2.90878	0.0510048	0.20648857	2.8349063	20	5 31.8	20.0
239685 2008 YJ_{86}	16.8	X	354.67281	302.44059	79.66588	1.22975	0.0561555	0.24040729	2.5615586	20	11 26.2	20.0
239686 2008 YE_{90}	16.2	X	137.97868	132.42410	114.86688	7.01601	0.1137969	0.23814799	2.5777340	20	12 1.9	20.2
239687 2008 YJ_{100}	17.0	X	132.02001	331.11561	318.22442	1.59465	0.1880600	0.24556225	2.5255830	20	—	—
239688 2008 YZ_{101}	16.1	X	301.08454	326.42736	276.20286	4.11028	0.0950954	0.18712756	3.0272216	20	2 22.5	20.2
239689 2008 YC_{104}	16.0	X	305.26357	143.40154	102.08030	2.52984	0.1039942	0.18741366	3.0241400	20	3 3.8	20.0
239690 2008 YC_{111}	16.3	X	47.40553	103.16320	8.05699	1.66613	0.0474415	0.19088568	2.9873572	20	2 9.9	20.3
239691 2008 YY_{120}	16.8	X	19.87492	292.18204	68.24682	2.16045	0.1255175	0.24217792	2.5490578	20	12 13.7	19.9
239692 2008 YV_{124}	14.8	X	38.53205	261.01620	0.55353	2.29414	0.1911855	0.12699246	3.9199821	20	8 23.5	19.7
239693 2008 YP_{132}	14.9	X	109.43973	306.75668	6.33081	10.96561	0.0326751	0.16222638	3.3295719	20	12 31.9	19.9
239694 2008 YL_{139}	15.9	X	8.73964	4.89149	141.24439	1.15755	0.0723859	0.18177713	3.0863361	20	1 31.6	20.0
239695 2008 YJ_{144}	16.0	X	15.96398	162.17764	134.14473	5.51110	0.1029717	0.21828745	2.7318082	20	9 4.6	19.2
239696 2008 YN_{146}	15.7	X	263.41480	117.92043	130.79869	14.31843	0.2369828	0.17203760	3.2017479	20	1 8.8	21.1
239697 2008 YV_{146}	16.2	X	172.55446	67.72423	112.80129	5.37889	0.1586016	0.23420426	2.6065908	20	10 13.9	20.4
239698 2008 YA_{155}	16.5	X	337.52719	69.52753	132.28541	11.53112	0.1107817	0.18266326	3.0763465	20	2 22.9	20.3
239699 2008 YF_{156}	16.3	X	284.84573	150.06969	145.97791	2.71672	0.0796624	0.19849211	2.9105420	20	4 12.8	20.2
239700 2008 YU_{156}	16.6	X	273.34504	113.19717	272.34843	4.18528	0.1394931	0.21907937	2.7252210	20	7 14.7	20.2
239701 2008 YC_{157}	16.8	X	212.06955	79.44992	345.68691	0.26996	0.0556973	0.21203511	2.7852500	20	7 1.9	20.6
239702 2008 YM_{163}	17.3	X	55.30409	223.99436	318.33136	2.62811	0.0947273	0.28675236	2.2775332	20	5 26.3	19.7
239703 2008 YZ_{167}	16.2	X	204.58953	266.95342	146.62155	5.02421	0.0672166	0.20986048	2.8044580	20	6 7.8	20.4
239704 2008 YG_{168}	15.4	X	4.93012	53.44982	83.05044	10.48103	0.0973546	0.17618406	3.1513137	20	1 14.6	19.4
239705 2009 AS_{1}	16.2	X	288.63551	217.15130	204.32082	12.88335	0.1639151	0.23634475	2.5908290	20	9 23.6	19.2
239706 2009 AB_{2}	16.3	X	72.05407	113.77897	249.48084	3.42309	0.1476801	0.25438502	2.4668440	20	—	—
239707 2009 AP_{4}	16.2	X	28.91314	131.78638	350.27143	2.35016	0.0257661	0.18319501	3.0703906	20	1 30.2	20.4
239708 2009 AS_{10}	16.3	X	22.94161	51.93540	69.95037	1.63370	0.1829726	0.17959304	3.1113083	20	1 22.6	19.4
239709 2009 AZ_{16}	16.5	X	359.88987	23.23547	20.09601	5.22094	0.0572276	0.24587365	2.5234501	20	—	—
239710 2009 AM_{25}	16.3	X	148.71882	329.50446	122.25736	3.13486	0.0253271	0.20313297	2.8660412	20	5 21.6	20.2
239711 2009 AA_{30}	16.5	X	231.64120	200.73374	242.08309	2.01122	0.0402480	0.22374614	2.6871940	20	8 20.6	20.1
239712 2009 AZ_{40}	16.5	X	307.60616	191.44203	146.34924	3.20349	0.0589063	0.21327928	2.7744076	20	7 11.2	19.9
239713 2009 AD_{43}	15.6	X	258.42193	120.01826	124.63880	6.32715	0.0254714	0.17683540	3.1435707	20	1 17.8	20.1
239714 2009 AY_{45}	15.2	X	62.27444	183.01391	134.64653	6.17232	0.0282969	0.15090456	3.4940931	20	11 12.1	20.2
239715 2009 BT_{2}	15.9	X	42.97904	275.57046	167.38857	1.05965	0.1706721	0.17618261	3.1513310	20	1 9.2	19.5
239716 Felixbaumgartner	16.6	X	314.20614	244.46151	88.82006	5.04906	0.1071499	0.21938147	2.7227186	20	7 10.4	19.6
239717 2009 BM_{15}	16.6	X	304.12872	317.94096	286.93303	10.98909	0.1590886	0.27473526	2.3434721	20	2 6.8	19.7
239718 2009 BU_{18}	16.9	X	13.21506	167.80049	134.57074	4.19157	0.0557407	0.22266058	2.6959210	20	9 3.8	20.2
239719 2009 BN_{21}	15.6	X	161.42923	340.69206	330.55546	5.12935	0.0875653	0.17187071	3.2038202	20	—	—
239720 2009 BP_{35}	15.6	X	204.36818	232.10369	62.73993	3.17360	0.1661689	0.17275846	3.1928351	20	1 16.9	20.9
239721 2009 BP_{50}	16.3	X	259.33872	224.62616	91.70213	2.64585	0.0728349	0.19408126	2.9544750	20	4 8.7	20.6
239722 2009 BD_{51}	16.3	X	16.08798	15.15195	108.55086	4.32380	0.0746822	0.17571133	3.1569633	20	1 15.6	20.3
239723 2009 BR_{53}	15.3	X	127.52801	233.04412	116.29905	6.35902	0.1316106	0.17118985	3.2123094	20	1 7.2	20.0
239724 2009 BY_{69}	16.2	X	288.70356	251.26506	91.79003	7.78199	0.0781142	0.21152018	2.7897686	20	6 18.2	19.9
239725 2009 BO_{91}	15.7	X	204.51656	337.02282	324.19072	3.09247	0.0973979	0.17497885	3.1657674	20	1 24.1	20.5
239726 2009 BZ_{114}	16.0	X	180.64502	345.81139	32.22291	2.48252	0.0511146	0.19031790	2.9932957	20	3 28.7	20.4
239727 2009 BP_{115}	16.4	X	313.83673	223.18422	105.18771	7.45991	0.0433137	0.21268669	2.7795586	20	7 9.5	20.1
239728 2009 BG_{143}	16.3	X	281.17899	268.38957	110.02579	6.55874	0.0960014	0.21423138	2.7661814	20	7 23.3	19.8
239729 2009 BZ_{150}	15.1	X	232.74243	207.68538	84.41947	12.09650	0.0456090	0.17853247	3.1236180	20	2 16.0	19.8
239730 2009 BL_{170}	15.6	X	280.05937	111.89846	92.48413	26.51966	0.2863316	0.17478774	3.1680746	20	—	—
239731 2009 BR_{173}	15.0	X	238.14461	195.00463	99.20597	19.38717	0.0528024	0.17944178	3.1130565	20	2 25.4	19.9
239732 2009 BG_{177}	14.9	X	151.77385	299.24097	87.10344	11.51631	0.1005693	0.18229579	3.0804792	20	3 16.8	19.8
239733 2009 CY_{15}	15.3	X	60.95877	320.50939	160.49126	14.05324	0.0691936	0.18169205	3.0872995	20	3 15.7	19.3
239734 2009 CG_{34}	15.5	X	345.74530	198.87523	95.90006	5.48012	0.0868280	0.20887896	2.8132365	20	7 9.9	18.9
239735 2009 CH_{44}	14.8	X	36.40549	211.67789	173.41623	18.19424	0.0149897	0.14734814	3.5500921	20	12 25.4	20.2
239736 2009 CK_{57}	15.2	X	309.84538	2.08134	193.38569	16.97138	0.0602749	0.17163333	3.2067735	20	1 13.5	20.0
239737 2009 DB_{6}	15.5	X	102.35665	29.27961	352.20164	8.76363	0.0857014	0.17420420	3.1751455	20	1 11.7	20.1
239738 2009 DJ_{10}	15.4	X	192.37285	238.56028	127.23797	12.30700	0.0921840	0.18751671	3.0230319	20	3 31.1	20.2
239739 2009 DB_{51}	15.3	X	45.71266	132.72536	359.77606	27.54791	0.1489493	0.17778522	3.1323644	20	3 17.4	19.0
239740 2009 EL_{3}	14.9	X	313.17802	55.94419	147.74440	16.81282	0.0247137	0.17412235	3.1761404	20	2 2.7	19.3
239741 2009 FF_{7}	15.9	X	332.20490	165.43738	110.28538	3.74322	0.1655837	0.18830998	3.0145362	20	5 14.6	19.3
239742 2009 FO_{30}	15.2	X	291.27814	66.10293	191.32121	13.02716	0.1704147	0.17368309	3.1814934	20	2 18.7	20.0
239743 2009 FP_{43}	14.8	X	256.37765	202.51732	109.79225	18.73527	0.1983022	0.17424588	3.1746391	20	3 26.1	20.1
239744 2009 WQ_{166}	15.6	X	354.81552	109.22861	112.25542	4.89571	0.0368568	0.21337494	2.7735784	20	4 17.7	19.2
239745 2009 XD_{15}	17.4	X	232.88058	191.11235	323.05148	1.89277	0.1214689	0.26076894	2.4264172	20	11 19.9	20.4
239746 2009 YF_{4}	15.8	X	256.42955	226.57064	314.63383	4.49149	0.1393511	0.17539640	3.1607411	20	12 31.6	20.0
239747 2009 YZ_{11}	17.8	X	264.90856	97.21725	84.37090	5.16577	0.1822748	0.27394850	2.3479568	20	—	—
239748 2009 YH_{16}	17.3	X	246.56711	226.15767	290.00557	1.47943	0.1546135	0.25972002	2.4329458	20	12 6.7	20.3
239749 2009 YS_{24}	17.2	X	282.66044	324.46093	179.25541	0.96304	0.1345472	0.26797097	2.3827449	20	—	—
239750 2010 AZ_{2}	16.8	X	130.68152	185.27700	259.12639	2.49052	0.1618264	0.21689139	2.7435182	20	5 2.2	20.9
239751 2010 AV_{18}	16.1	X	266.69469	350.27542	154.62464	0.90646	0.1312426	0.17103489	3.2142494	20	12 1.0	20.3
239752 2010 AM_{31}	16.4	X	293.54649	347.23330	133.64919	6.77239	0.0685448	0.26460479	2.4029104	20	—	—
239753 2010 AW_{43}	15.7	X	227.19461	141.90586	27.77316	8.07420	0.1403959	0.25987142	2.4320007	20	11 29.0	18.9
239754 2010 AB_{53}	16.6	X	269.32775	1.38443	159.22619	5.79260	0.0621801	0.26841233	2.3801322	20	—	—
239755 2010 AT_{55}	16.5	X	195.16189	49.84279	340.54999	3.89124	0.0188607	0.21402283	2.7679781	20	4 26.8	20.4
239756 2010 AN_{59}	17.1	X	59.45011	301.55752	114.37572	24.06791	0.0847660	0.38073320	1.8853365	20	—	—
239757 2010 AG_{74}	17.4	X	120.04105	190.77304	241.08583	3.21742	0.1051923	0.31024484	2.1610576	20	3 20.7	20.0
239758 2010 AU_{75}	16.0	X	135.22445	320.67725	141.56147	13.36163	0.1258626	0.22295965	2.6935096	20	5 30.1	20.3
239759 2010 BY_{2}	15.5	X	255.93293	303.16432	134.33842	29.05824	0.1374660	0.23937600	2.5689105	20	9 5.9	19.1
239760 2010 CX_{3}	17.4	X	32.13211	124.43250	323.90296	6.04789	0.1459030	0.28265761	2.2994762	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239761 2010 CU_{18}	16.6	X	180.20082	110.72195	2.23077	10.84367	0.2289648	0.23194270	2.6235071	20	7 27.3	21.3
239762 2010 CV_{18}	16.6	X	185.38470	272.01507	192.64616	12.31805	0.2380084	0.23070133	2.6329099	20	7 15.2	21.4
239763 2010 CZ_{28}	17.5	X	302.56105	150.03468	12.20940	4.41993	0.1343256	0.27210985	2.3585217	20	—	—
239764 2010 CD_{29}	15.1	X	344.81096	330.51067	159.36026	11.67312	0.0507734	0.17928490	3.1148722	20	—	—
239765 2010 CO_{34}	15.7	X	89.13774	189.14248	357.18256	12.92953	0.0911948	0.22167384	2.7039153	20	7 22.9	19.7
239766 2010 CT_{40}	17.4	X	154.73409	32.20829	155.46402	3.07690	0.0628112	0.23718437	2.5847111	20	10 5.9	21.1
239767 2010 CW_{40}	15.5	X	133.22324	1.00467	357.44570	15.60236	0.0560542	0.18044131	3.1015497	20	1 18.0	20.2
239768 2010 CS_{42}	15.7	X	340.98966	143.41729	339.65862	13.65269	0.1577425	0.18046546	3.1012730	20	—	—
239769 2010 CX_{56}	15.9	X	220.76675	313.62643	131.64905	12.96748	0.1665652	0.23511345	2.5998666	20	7 28.9	20.0
239770 2010 CK_{57}	17.1	X	292.98523	106.75901	5.55216	18.40962	0.1044113	0.35344027	1.9811865	20	—	—
239771 2010 CR_{58}	16.5	X	105.56290	255.54080	241.10868	1.33905	0.1366471	0.21872245	2.7281850	20	6 8.9	20.5
239772 2010 CL_{62}	15.3	X	262.98492	203.68097	346.89113	14.80418	0.1579373	0.17366045	3.1817698	20	—	—
239773 2010 CN_{65}	16.7	X	91.05545	201.64071	340.75339	3.94444	0.0783648	0.22023174	2.7157062	20	7 14.8	20.4
239774 2010 CY_{68}	16.7	X	118.61038	254.86796	318.41562	2.55726	0.1099746	0.23451115	2.6043162	20	9 28.4	20.5
239775 2010 CF_{69}	15.6	X	78.35278	162.81328	9.92487	12.72251	0.0868254	0.21279459	2.7786190	20	6 13.8	19.6
239776 2010 CB_{76}	15.6	X	98.77709	250.12573	342.88826	14.43830	0.0762925	0.23513766	2.5996882	20	9 25.9	19.4
239777 2010 CW_{82}	15.3	X	9.83497	302.32447	150.13050	17.40503	0.0761067	0.18048256	3.1010770	20	—	—
239778 2010 CK_{94}	17.0	X	231.03667	253.91348	142.65743	2.41287	0.0720640	0.22079958	2.7110481	20	6 15.8	20.9
239779 2010 CU_{94}	16.0	X	68.47480	253.37408	161.08895	10.73919	0.0585090	0.18177235	3.0863902	20	1 1.2	20.3
239780 2010 CB_{95}	16.3	X	95.63989	351.59386	133.10251	2.54971	0.0294136	0.20696176	2.8305835	20	4 27.8	20.2
239781 2010 CD_{99}	16.5	X	318.74865	163.29535	104.13027	2.83123	0.0174162	0.20707996	2.8295063	20	4 29.1	20.3
239782 2010 CZ_{103}	16.6	X	75.63858	101.35285	157.14826	9.46043	0.1303058	0.23181376	2.6244798	20	10 14.6	20.4
239783 2010 CJ_{117}	16.1	X	46.22802	80.45701	178.28113	13.65755	0.0754017	0.22651453	2.6652544	20	8 23.6	19.6
239784 2010 CP_{156}	15.2	X	198.75925	109.39484	147.05229	9.91317	0.0163198	0.17272580	3.1932377	20	—	—
239785 2010 CC_{163}	16.4	X	204.08235	198.96960	44.88601	3.12471	0.1410159	0.26388713	2.4072650	20	—	—
239786 2010 CU_{166}	16.3	X	4.21179	202.47022	311.76836	0.78367	0.0975747	0.18879316	3.0093904	20	2 1.6	19.8
239787 2010 CW_{179}	16.8	X	335.47793	197.62948	307.80876	5.00223	0.1187963	0.27763593	2.3271208	20	—	—
239788 2010 DW_{38}	15.7	X	246.26811	264.07286	161.72139	21.99007	0.1190165	0.23554813	2.5966671	20	8 5.7	19.6
239789 2010 DB_{45}	17.0	X	158.46888	83.44206	196.53809	1.09147	0.1512667	0.25926404	2.4357976	20	—	—
239790 2010 DY_{76}	16.5	X	307.59938	1.05283	106.65925	6.75165	0.1373699	0.26565535	2.3965712	20	—	—
239791 2010 EW_{33}	16.7	X	128.84306	169.45662	13.07034	3.91172	0.0773551	0.22717697	2.6600707	20	8 30.5	20.5
239792 Hankakováčová	16.7	X	255.69335	142.10288	224.19200	1.74368	0.0926119	0.21773341	2.7364404	20	6 3.2	20.4
239793 2010 EV_{40}	17.5	X	68.19485	234.63528	155.04845	5.88617	0.0998182	0.27182531	2.3601673	20	—	—
239794 6715 *P–L*	16.9	X	114.08065	9.87554	16.87114	7.47137	0.1210888	0.28699196	2.2762654	20	1 19.0	19.6
239795 1273 *T–2*	17.2	X	248.06309	310.77382	5.20535	3.01296	0.2283686	0.28735204	2.2743634	20	3 5.4	20.7
239796 2300 *T–3*	16.4	X	227.68457	39.93553	11.58151	9.19671	0.2190484	0.22379425	2.6868088	20	6 17.0	20.9
239797 3037 *T–3*	16.2	X	112.60209	7.78884	34.38838	3.62502	0.2198709	0.19334648	2.9619556	20	3 2.9	20.6
239798 1981 EZ_{31}	15.6	X	20.23381	260.79770	279.31482	8.68844	0.1742578	0.17642302	3.1484675	20	3 30.5	19.3
239799 1993 OU_{9}	16.0	X	9.98466	214.24821	115.94712	8.80280	0.1685056	0.22372861	2.6873343	20	10 24.9	19.1
239800 1993 PR_{1}	16.2	X	13.70988	174.17148	147.93501	13.73682	0.0849013	0.22197101	2.7015015	20	10 8.1	19.7
239801 1994 CA_{11}	16.0	X	20.60074	72.24339	90.64389	3.55056	0.2735205	0.18997959	2.9968482	20	3 16.0	18.4
239802 1995 UD_{14}	15.6	X	268.92935	70.60400	203.47022	10.78324	0.2109691	0.18026518	3.1035695	20	2 9.6	20.7
239803 1995 WE_{4}	18.3	X	49.32698	209.44791	94.27456	6.34589	0.3177428	0.31843319	2.1238500	20	12 16.4	21.6
239804 1995 WL_{18}	16.7	X	104.69620	52.35480	128.46432	3.53882	0.0771398	0.22553361	2.6729769	20	7 29.2	20.5
239805 1995 XB_{5}	16.9	X	32.82602	279.90642	103.04636	4.92297	0.2004135	0.24201286	2.5502167	20	—	—
239806 1996 GJ_{5}	15.8	X	308.74441	315.68349	38.90400	9.63447	0.1738495	0.21526332	2.7573339	20	7 25.0	19.0
239807 1996 PG	16.9	X	120.75081	249.71031	115.96132	7.60778	0.1468423	0.26688016	2.3892331	20	1 5.2	19.8
239808 1996 TK_{9}	15.4	X	213.55560	319.37153	50.49072	14.42473	0.1827324	0.19102351	2.9859200	20	4 20.8	20.4
239809 1997 AY_{12}	15.7	X	273.67555	18.63874	104.12057	5.36270	0.1649207	0.24294567	2.5436847	20	11 28.5	18.3
239810 1997 EC_{26}	16.8	X	270.09584	306.45011	155.32244	0.48201	0.1544447	0.23933967	2.5691705	20	10 24.2	19.7
239811 1997 MR_{2}	15.4	X	12.98915	190.68154	104.55506	15.69868	0.1927201	0.21798568	2.7343288	20	9 15.7	18.6
239812 1997 PP	16.3	X	55.37715	278.26964	23.53490	4.85649	0.3752759	0.22225915	2.6991661	20	12 8.4	20.7
239813 1997 TG_{11}	17.8	X	264.30963	159.48873	178.07523	5.33016	0.2060959	0.29130693	2.2537315	20	4 20.4	21.0
239814 1997 WC_{12}	16.9	X	144.23690	171.85454	209.11752	4.11383	0.0813990	0.27657144	2.3330882	20	2 11.4	19.9
239815 1997 WO_{15}	16.5	X	293.23437	226.79533	95.40900	3.14751	0.0757719	0.20051331	2.8909500	20	5 27.9	20.4
239816 1998 BJ_{5}	17.2	X	198.06232	135.34353	114.70422	2.02107	0.1852678	0.25693707	2.4504821	20	—	—
239817 1998 BZ_{33}	17.0	X	80.96489	183.52934	307.07397	5.22883	0.1755477	0.27417666	2.3466540	20	5 2.5	19.8
239818 1998 FD_{92}	15.6	X	124.87738	194.62716	27.20184	13.61752	0.2101746	0.24124707	2.5556106	20	10 21.1	19.8
239819 1998 MH_{23}	16.0	X	139.96092	297.64066	293.52374	4.04728	0.1748175	0.23623341	2.5916430	20	11 11.6	20.3
239820 1998 OA_{2}	16.7	X	151.07006	291.30818	297.90925	1.99985	0.1611513	0.23706646	2.5855681	20	11 19.8	20.8
239821 1998 RD_{11}	16.1	X	94.30653	69.90810	185.80548	12.99827	0.1346477	0.22691959	2.6620818	20	10 30.2	20.2
239822 1998 RY_{31}	15.9	X	178.22572	83.18639	332.23335	12.18688	0.2055919	0.20996596	2.8035187	20	5 7.4	20.9
239823 1998 RX_{47}	17.0	X	4.72889	69.88838	252.16317	2.37179	0.1897039	0.31555197	2.1367586	20	10 25.6	18.7
239824 1998 SE_{51}	16.5	X	294.37179	80.23047	264.43630	0.45164	0.0967174	0.21477169	2.7615401	20	6 25.8	20.0
239825 1998 SO_{133}	17.6	X	334.28278	316.37371	7.22808	4.58255	0.2671308	0.31117948	2.1567282	20	8 11.9	17.9
239826 1998 UZ_{25}	15.7	X	277.30241	182.54417	175.95718	8.43415	0.2840872	0.21509906	2.7587375	20	5 24.9	19.8
239827 1998 VL_{10}	15.9	X	28.63701	146.35245	207.62504	12.87913	0.2830640	0.22898776	2.6460286	20	—	—
239828 1998 VW_{42}	16.5	X	323.61486	282.08923	52.55511	2.98464	0.0262429	0.21557642	2.7546634	20	8 4.2	20.0
239829 1998 WK_{29}	16.0	X	236.88031	197.94986	227.33986	12.56947	0.0964688	0.21488855	2.7605389	20	7 23.5	20.2
239830 1998 XK_{2}	15.7	X	1.72278	84.26686	239.63991	7.08503	0.1075918	0.21870114	2.7283621	20	9 15.1	19.0
239831 1998 YX_{4}	17.2	X	83.70915	293.83439	136.82796	2.68231	0.1987699	0.28620645	2.2804284	20	2 14.4	19.2
239832 1998 YS_{31}	15.8	X	0.43006	257.40907	252.93822	22.57181	0.2920734	0.28202343	2.3029222	20	—	—
239833 1999 BD_{30}	17.1	X	300.82788	193.87933	109.13022	4.77636	0.1531349	0.29287539	2.2456779	20	4 28.9	19.6
239834 1999 ET_{6}	17.6	X	313.02758	262.34973	214.33707	0.93019	0.1232686	0.26701619	2.3884216	20	—	—
239835 1999 FU_{10}	16.2	X	20.34228	336.15347	192.98534	2.21898	0.1633487	0.18840467	3.0135260	20	3 18.5	19.5
239836 1999 FY_{83}	14.8	X	303.77177	63.57385	102.98564	18.33035	0.1058255	0.17261435	3.1946119	20	—	—
239837 1999 FX_{90}	16.3	X	97.32021	32.92137	74.44098	3.46067	0.0339174	0.18900397	3.0071524	20	4 9.8	20.5
239838 1999 GL_{33}	16.2	X	184.37284	65.80046	196.43482	11.33069	0.2356975	0.26172676	2.4204937	20	—	—
239839 1999 LF_{2}	15.4	X	277.62738	119.13893	86.10529	27.18722	0.2986632	0.17462205	3.1700783	20	—	—
239840 1999 NC_{56}	16.2	X	101.78481	123.87406	221.70916	13.66858	0.1753252	0.25190003	2.4830410	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239841 1999 RQ_{191}	17.2	X	134.30658	322.32868	350.31918	2.27655	0.2041642	0.25229845	2.4804263	20	—	—
239842 1999 SM_{21}	17.2	X	24.30866	327.30856	10.47532	5.84897	0.1072926	0.23711840	2.5851904	20	11 14.5	20.5
239843 1999 TR_{71}	15.9	X	249.74373	235.64576	206.33450	8.09109	0.1933366	0.22934687	2.6432658	20	8 19.3	19.7
239844 1999 TP_{132}	15.7	X	230.76142	32.42595	345.24962	2.68844	0.2220889	0.17423186	3.1748095	20	5 8.9	21.0
239845 1999 TX_{132}	14.9	X	221.56713	38.24342	344.20589	2.29784	0.2769354	0.12558492	3.9492175	20	5 5.2	21.5
239846 1999 TZ_{175}	16.1	X	320.83252	2.70011	24.98548	17.39094	0.1965525	0.23319972	2.6140709	20	10 9.7	18.3
239847 1999 TC_{191}	15.7	X	247.68647	212.54011	214.13277	13.21161	0.0396957	0.22870882	2.6481797	20	8 16.6	19.6
239848 1999 TC_{221}	14.8	X	274.40869	87.40531	240.01064	14.80079	0.2440310	0.17725356	3.1386248	20	4 14.7	19.7
239849 1999 VO_{11}	18.6	X	3.62444	71.76500	68.00005	15.79376	0.6364404	0.29173011	2.2515515	20	—	—
239850 1999 VZ_{89}	14.7	X	274.25977	270.41180	21.91205	24.48387	0.3387672	0.17409159	3.1765146	20	3 8.9	20.2
239851 1999 VG_{152}	16.1	X	273.20410	12.14587	58.48539	12.76855	0.1599748	0.23015046	2.6371094	20	9 20.8	19.6
239852 1999 VR_{190}	15.7	X	248.54656	184.77454	232.52886	13.34077	0.2320895	0.22393911	2.6856501	20	7 11.1	20.0
239853 1999 VC_{202}	16.3	X	280.35524	221.14589	201.19037	8.60074	0.1732347	0.23281930	2.6169177	20	9 8.4	19.3
239854 1999 VL_{214}	17.4	X	119.26399	105.47647	201.82866	3.78668	0.1549601	0.24414217	2.5353671	20	—	—
239855 1999 WA_{19}	16.7	X	255.91992	357.87764	67.14110	3.27228	0.1087029	0.22754918	2.6571692	20	8 21.3	20.2
239856 1999 XJ_{28}	15.8	X	230.87771	220.43681	222.53997	12.63322	0.1536464	0.22380065	2.6867576	20	8 1.9	20.1
239857 1999 XJ_{104}	15.9	X	318.04377	316.86735	72.01397	14.79402	0.2619097	0.23116959	2.6293531	20	10 7.3	18.2
239858 1999 XV_{145}	17.1	X	149.29637	81.62356	65.51521	10.24120	0.1410425	0.22147546	2.7055297	20	8 11.3	21.5
239859 1999 XF_{213}	15.9	X	247.30021	216.34176	228.88381	10.98052	0.1568556	0.22643459	2.6658817	20	8 23.4	19.9
239860 1999 YA_{15}	16.3	X	188.22022	51.20328	82.60930	14.91197	0.1493047	0.22458982	2.6804600	20	9 4.2	20.8
239861 2000 AL_{123}	16.1	X	144.88982	21.28030	129.90340	13.88756	0.1277758	0.21604892	2.7506456	20	8 7.9	20.5
239862 2000 AX_{219}	16.5	X	45.40503	222.95491	90.13116	3.25083	0.1108697	0.22671663	2.6636703	20	11 11.4	20.0
239863 2000 AK_{224}	17.4	X	68.32724	152.72289	109.33367	5.91276	0.2005924	0.31735459	2.1286595	20	11 1.7	20.4
239864 2000 BL_{13}	16.1	X	308.29010	54.09362	314.27358	4.11799	0.1714561	0.22067217	2.7120915	20	8 11.2	18.8
239865 2000 CY_{26}	15.6	X	111.05686	6.71635	150.63195	10.93930	0.1990394	0.21005366	2.8027383	20	7 17.1	20.1
239866 2000 CY_{98}	16.4	X	45.78676	260.76662	316.68157	2.74312	0.0492901	0.20952258	2.8074724	20	6 24.3	20.0
239867 2000 CQ_{125}	16.2	X	120.24385	61.05208	83.67178	4.45158	0.1195307	0.21016040	2.8017892	20	7 3.9	20.3
239868 2000 EM_{74}	17.2	X	333.26910	205.53846	57.87419	5.83508	0.1376174	0.29682194	2.2257278	20	4 26.4	19.1
239869 2000 GD_{53}	17.1	X	10.23386	41.78370	215.99649	3.83571	0.1933011	0.30009280	2.2095254	20	7 14.1	18.4
239870 2000 HD_{29}	17.5	X	144.57616	16.82541	43.93834	5.63759	0.1528152	0.29339531	2.2430241	20	4 13.9	20.6
239871 2000 HU_{52}	16.7	X	1.12160	37.01349	215.13596	6.56885	0.0992246	0.29740667	2.2228095	20	6 6.8	18.6
239872 2000 JY_{11}	17.2	X	341.23456	46.54728	214.89066	5.31465	0.1889131	0.29682114	2.2257318	20	5 1.9	18.4
239873 2000 JO_{67}	15.4	X	233.44641	206.10539	129.30810	13.03337	0.1907926	0.19108414	2.9852884	20	3 29.1	20.5
239874 2000 JN_{83}	17.3	X	333.37562	175.45038	80.06023	3.20478	0.2653947	0.29338378	2.2430828	20	3 22.9	19.0
239875 2000 KQ_{78}	16.8	X	323.77861	90.41054	217.78281	6.24514	0.2603361	0.29608310	2.2294289	20	5 29.9	18.3
239876 2000 NW	16.7	X	299.72953	1.47716	277.46858	6.36974	0.1253070	0.28754139	2.2733648	20	3 21.7	19.7
239877 2000 NH_{4}	17.9	X	358.76132	110.35287	195.59563	1.90997	0.1919762	0.29791157	2.2202973	20	9 11.2	19.2
239878 2000 OV_{8}	15.1	X	230.72605	176.19627	132.49718	29.67958	0.1665389	0.18184498	3.0855684	20	2 23.8	20.2
239879 2000 PL_{14}	16.5	X	176.05486	190.96099	155.18534	7.31104	0.1384524	0.27715420	2.3298166	20	2 7.9	20.0
239880 2000 QM_{35}	16.7	X	215.98062	126.70568	207.76486	6.59766	0.2291125	0.27944573	2.3170624	20	2 28.7	20.8
239881 2000 QW_{55}	16.9	X	200.93932	354.99951	357.53178	5.48354	0.2835310	0.27837390	2.3230062	20	3 12.5	20.8
239882 2000 QU_{66}	15.2	X	262.66068	178.11234	153.94108	17.57445	0.2797732	0.18580776	3.0415397	20	4 12.0	20.3
239883 2000 QS_{92}	16.7	X	142.35611	152.03745	201.89872	4.06412	0.2186751	0.26986201	2.3716006	20	1 22.9	20.1
239884 2000 QX_{119}	17.3	X	251.74581	141.86571	193.66054	5.53008	0.2732096	0.28351456	2.2948403	20	3 29.2	21.1
239885 2000 QN_{141}	16.7	X	166.46785	319.48883	27.75842	5.36237	0.2374645	0.27206783	2.3587645	20	2 10.2	20.6
239886 2000 QW_{160}	16.9	X	234.72118	94.33127	230.28401	5.31041	0.1439199	0.28193635	2.3033963	20	3 6.5	20.4
239887 2000 QU_{163}	17.0	X	232.81879	159.89243	172.79864	12.61678	0.1532214	0.28251439	2.3002533	20	3 17.1	20.4
239888 2000 QE_{171}	16.4	X	80.23038	202.81184	205.31440	4.99670	0.2166199	0.26658277	2.3910097	20	1 11.8	18.7
239889 2000 RF	17.5	X	243.65993	137.01521	174.24857	23.27296	0.0953635	0.38118102	1.8838596	20	2 20.2	20.0
239890 Edudeldon	17.3	X	207.24905	173.77241	185.29317	2.48817	0.2421272	0.27866653	2.3213797	20	3 24.9	21.2
239891 2000 RW_{17}	15.0	X	149.36296	172.40934	200.55736	11.67762	0.1261204	0.17343930	3.1844740	20	2 21.6	20.0
239892 2000 RE_{65}	15.4	X	194.90781	184.54891	165.84646	5.44395	0.2003015	0.17716016	3.1397279	20	3 11.4	20.8
239893 2000 RO_{74}	17.0	X	216.91426	94.55391	211.24785	6.60466	0.1264648	0.27573366	2.3378117	20	1 26.8	20.6
239894 2000 RD_{75}	15.3	X	221.76740	87.07784	217.20233	9.33757	0.1326648	0.17648294	3.1477548	20	2 8.0	20.5
239895 2000 SF_{32}	15.2	X	177.76865	311.16576	37.05066	5.10458	0.1646785	0.17435722	3.1732875	20	2 25.8	20.4
239896 2000 SD_{52}	16.8	X	242.50628	72.82433	218.22606	5.17658	0.1088535	0.27586019	2.3370968	20	2 3.7	20.2
239897 2000 SG_{62}	15.8	X	147.83529	356.58562	5.63721	0.99330	0.2069023	0.17111554	3.2132394	20	2 17.4	21.1
239898 2000 ST_{62}	17.4	X	86.37875	207.06070	191.32075	2.06983	0.1904687	0.26568819	2.3963737	20	1 5.6	19.7
239899 2000 SL_{78}	17.0	X	76.17996	230.46358	135.68607	2.78404	0.1872184	0.26084356	2.4259544	20	—	—
239900 2000 SP_{87}	16.2	X	236.24769	229.99016	58.58653	9.58876	0.2059336	0.27365913	2.3496117	20	1 25.9	20.2
239901 2000 SR_{122}	15.4	X	178.08467	233.88186	120.42152	2.86587	0.2693665	0.17319172	3.1875081	20	3 5.3	21.0
239902 2000 SU_{125}	16.9	X	167.00140	295.09304	27.69303	2.21847	0.2534461	0.26957467	2.3732856	20	1 11.8	20.9
239903 2000 SF_{129}	12.9	X	257.98574	73.14273	280.47727	6.37859	0.0307198	0.08338881	5.1887674	20	5 28.8	19.9
239904 2000 SV_{132}	15.5	X	205.12511	139.88054	200.84673	22.81212	0.1816384	0.17803022	3.1294899	20	3 4.8	21.0
239905 2000 SP_{151}	17.1	X	226.56468	154.46783	182.48781	3.39630	0.2635424	0.27871108	2.3211323	20	3 11.9	21.2
239906 2000 SQ_{161}	15.3	X	224.66562	227.52363	125.78422	12.30612	0.3253142	0.18167718	3.0874680	20	4 6.2	21.1
239907 2000 SP_{164}	17.3	X	42.37660	283.94151	188.30250	22.78501	0.0421458	0.37047660	1.9199748	20	—	—
239908 2000 SH_{223}	15.2	X	64.76551	164.11612	192.74264	13.19073	0.1299326	0.15809722	3.3872966	20	—	—
239909 2000 SN_{233}	15.7	X	270.55975	199.14627	107.71990	7.91954	0.2925047	0.18483474	3.0522046	20	3 18.3	20.7
239910 2000 SQ_{240}	15.8	X	201.69921	134.43890	226.53222	23.09724	0.2115258	0.27765626	2.3270073	20	3 17.2	20.1
239911 2000 SC_{246}	15.4	X	189.27255	184.61740	169.25255	17.83072	0.1893759	0.17633595	3.1495039	20	3 10.9	20.8
239912 2000 SV_{254}	17.5	X	104.93469	344.63382	34.42934	2.69924	0.1855481	0.26630301	2.3926839	20	1 8.1	20.2
239913 2000 SM_{285}	15.9	X	204.23302	128.55571	215.77933	12.74401	0.2841540	0.17688952	3.1429295	20	3 6.9	21.7
239914 2000 SX_{323}	17.2	X	225.19814	131.12179	181.54881	4.33152	0.1252693	0.27483291	2.3429169	20	2 13.7	20.6
239915 2000 SA_{334}	15.2	X	154.41982	294.29289	35.66497	8.75483	0.2071115	0.17020520	3.2246865	20	1 19.3	20.6
239916 2000 SM_{338}	17.2	X	184.49124	261.25980	80.07568	5.45933	0.1701155	0.27405554	2.3473454	20	2 14.6	20.9
239917 2000 TD_{7}	15.3	X	351.44635	260.69375	15.94841	13.86351	0.0358762	0.18676063	3.0311854	20	6 23.2	19.6
239918 2000 TC_{40}	15.3	X	178.91629	303.97411	25.75312	14.31687	0.2816833	0.17438908	3.1729010	20	2 12.9	21.2
239919 2000 TA_{48}	15.2	X	213.31170	170.50939	158.70400	12.33872	0.1505369	0.17671611	3.1449853	20	3 3.0	20.1
239920 2000 TN_{62}	15.4	X	229.38506	2.20330	29.86699	17.91492	0.1302514	0.18320493	3.0702798	20	5 28.7	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
239921 2000 UR_5	16.1	X	221.94500	357.22351	60.88545	13.28054	0.2327284	0.23194679	2.6234763	20	6 18.9	20.6
239922 2000 UW_{33}	16.7	X	182.17778	81.70748	226.55017	21.05899	0.0575444	0.36431497	1.9415625	20	—	—
239923 2000 UK_{34}	17.2	X	98.99991	314.78195	45.24753	2.00751	0.1495092	0.26171934	2.4205395	20	—	—
239924 2000 UR_{40}	16.8	X	220.03846	262.83551	74.09098	5.54778	0.2543121	0.27659341	2.3329647	20	3 10.5	20.9
239925 2000 UZ_{45}	16.2	X	224.76360	14.79516	41.72019	8.54106	0.1520306	0.23340818	2.6125143	20	6 27.0	20.3
239926 2000 UB_{46}	14.9	X	285.36031	307.22954	47.29157	14.09218	0.1849490	0.18522202	3.0479486	20	6 9.7	19.3
239927 2000 UZ_{85}	16.7	X	34.96058	273.78729	123.22597	2.00245	0.1789184	0.25645221	2.4535698	20	—	—
239928 2000 WJ_{21}	17.5	X	200.39426	56.76021	236.09516	19.12425	0.0701307	0.36536064	1.9378562	20	—	—
239929 2000 WO_{90}	16.7	X	8.53357	321.34550	71.57437	2.88281	0.2201517	0.25071495	2.4908595	20	—	—
239930 2000 WQ_{138}	16.7	X	116.24557	322.58790	58.68216	6.77508	0.1367080	0.26457515	2.4030899	20	1 20.4	19.8
239931 2000 WL_{162}	16.5	X	201.78170	231.26966	84.08404	11.75620	0.2505703	0.27028133	2.3691470	20	1 31.0	20.8
239932 2000 WY_{191}	16.3	X	186.32490	331.53618	104.87689	12.68883	0.2214304	0.23014113	2.6371807	20	6 14.3	20.8
239933 2000 XR_5	16.4	X	288.30598	48.64958	18.38084	7.52699	0.2544185	0.24276372	2.5449555	20	9 21.8	18.8
239934 2000 XD_{36}	14.6	X	108.98107	162.32103	317.72284	16.34353	0.1351802	0.17300482	3.1898034	20	5 18.3	19.7
239935 2000 YW_{36}	16.2	X	282.11218	241.97940	205.41730	3.00974	0.2057259	0.24200474	2.5502737	20	10 16.4	18.9
239936 2000 YQ_{58}	16.1	X	182.07883	261.93206	281.11673	8.26364	0.1456271	0.23678120	2.5876442	20	10 20.9	20.3
239937 2000 YP_{82}	15.2	X	195.68632	329.64689	97.62697	18.37100	0.1957444	0.17689536	3.1428604	20	6 11.5	20.5
239938 2001 AE_9	16.3	X	230.25083	209.20999	290.52368	3.20813	0.1475026	0.23955168	2.5676544	20	10 19.6	19.8
239939 2001 AZ_{30}	14.7	X	217.72664	94.27903	285.82434	24.33536	0.1674502	0.17497037	3.1658698	20	4 28.2	20.3
239940 2001 BD_{13}	16.0	X	186.88081	53.78120	144.29463	5.24034	0.1875798	0.23832181	2.5764805	20	11 15.2	20.2
239941 2001 BN_{16}	16.0	X	226.76908	55.31346	67.94291	5.82445	0.1746037	0.23507849	2.6001244	20	9 24.9	19.9
239942 2001 CS_{12}	16.6	X	299.31259	351.43245	86.78144	4.37852	0.2035303	0.24091125	2.5579850	20	11 8.4	18.7
239943 2001 CU_{26}	16.9	X	251.25968	352.78849	114.93475	4.63623	0.2089181	0.23696829	2.5862821	20	9 28.3	20.3
239944 2001 CV_{29}	16.1	X	220.35849	358.49892	114.50529	15.51718	0.1894130	0.23342920	2.6123574	20	9 4.5	20.3
239945 2001 CZ_{39}	15.9	X	211.98893	98.45524	61.59031	10.25452	0.1442043	0.23680961	2.5874373	20	10 28.9	19.7
239946 2001 CA_{41}	16.3	X	173.14856	22.26081	87.23852	14.61210	0.2258044	0.22482411	2.6785975	20	7 13.9	21.0
239947 2001 DT_{43}	16.0	X	96.76885	109.52945	155.17610	14.17789	0.0799916	0.23275220	2.6174206	20	11 11.3	20.0
239948 2001 DB_{87}	16.8	X	168.70585	70.45757	136.31353	4.13104	0.0895011	0.23634599	2.5908199	20	11 13.9	20.7
239949 2001 DC_{107}	16.2	X	153.86916	358.39017	180.88277	13.18451	0.1048384	0.22593570	2.6698046	20	9 21.6	20.2
239950 2001 EE_4	15.6	X	109.52038	99.08027	151.90384	13.48018	0.1670295	0.23023329	2.6364769	20	11 12.8	20.1
239951 2001 FG_{17}	16.2	X	115.36935	355.73023	211.61568	1.10491	0.2147470	0.22346306	2.6894629	20	9 23.9	20.7
239952 2001 FS_{75}	15.9	X	126.23344	7.58741	173.41540	12.35512	0.1129603	0.22210408	2.7004223	20	8 24.6	20.1
239953 2001 FU_{95}	16.1	X	45.66942	48.47335	127.25944	8.71283	0.1947712	0.21093031	2.7949672	20	5 20.3	19.4
239954 2001 FG_{120}	16.3	X	85.98336	238.74794	19.83068	6.26498	0.1142082	0.22461550	2.6802558	20	10 20.1	20.1
239955 2001 FY_{169}	15.7	X	84.66989	272.96696	323.55195	13.28905	0.1824560	0.22288195	2.6941356	20	9 22.9	20.0
239956 2001 FF_{186}	15.7	X	185.66058	112.67872	33.89303	14.41782	0.0323616	0.22641424	2.6660414	20	9 24.2	19.5
239957 2001 GD_1	15.1	X	221.39203	36.27355	82.23720	33.35459	0.1960130	0.23008723	2.6375926	20	9 27.1	19.9
239958 2001 GH_9	16.0	X	47.86719	192.95162	78.23690	10.37739	0.1838677	0.22028150	2.7152972	20	10 5.9	19.7
239959 2001 GV_{11}	15.9	X	107.69947	182.84372	47.22123	14.75033	0.1957680	0.22486578	2.6782666	20	10 17.9	20.4
239960 2001 HS_{36}	16.1	X	56.98434	28.53439	241.64230	8.97465	0.3616223	0.21834779	2.7313049	20	10 31.2	20.4
239961 2001 JJ_{10}	16.0	X	89.82180	126.33543	72.09872	10.76872	0.1810039	0.21698934	2.7426925	20	8 20.5	20.3
239962 2001 KB_{52}	16.1	X	40.70349	138.93938	137.29592	26.43207	0.2675110	0.21610672	2.7501552	20	10 18.1	20.3
239963 2001 MX_1	16.5	X	16.13028	173.24645	120.12970	10.88915	0.2051186	0.21084607	2.7957117	20	9 16.2	19.6
239964 2001 MB_2	16.0	X	108.55656	198.64061	76.58422	11.39018	0.1332033	0.22263598	2.6961196	20	12 4.3	20.2
239965 2001 NC_6	15.3	X	58.07381	115.69191	261.79616	12.49144	0.1635762	0.17312907	3.1882771	20	—	—
239966 2001 OW_{11}	16.0	X	74.36600	234.12973	103.56752	7.29810	0.3010209	0.22230795	2.6987711	20	—	—
239967 2001 PH_4	17.1	X	294.97196	238.94394	114.09261	3.74035	0.1316988	0.30978177	2.1632107	20	7 8.7	19.1
239968 2001 PM_{33}	16.2	X	53.96240	311.46889	59.72785	10.08148	0.2514800	0.27402828	2.3475011	20	—	—
239969 2001 PW_{33}	17.1	X	295.39171	300.92286	61.76230	6.46503	0.1175806	0.30924193	2.1657274	20	7 30.5	19.1
239970 2001 QX_{53}	17.0	X	40.43448	285.39935	343.29788	3.01273	0.1453281	0.31414600	2.1431292	20	9 25.0	19.2
239971 2001 QP_{125}	16.8	X	39.47138	214.50705	71.99119	2.47912	0.1483490	0.31558291	2.1366189	20	10 22.4	19.0
239972 2001 QF_{157}	17.0	X	262.83182	154.71480	180.81893	6.36847	0.2153614	0.30125225	2.2038525	20	4 14.4	20.0
239973 2001 QV_{226}	15.4	X	146.19596	130.24700	187.60439	17.76648	0.1388623	0.17602398	3.1532240	20	—	—
239974 2001 QN_{257}	17.5	X	271.11105	319.54649	358.36141	21.65820	0.0878582	0.40318523	1.8146783	20	4 1.9	19.2
239975 2001 QS_{269}	16.9	X	162.02711	122.49190	228.45966	3.34011	0.1715779	0.28700849	2.2761780	20	1 31.9	20.4
239976 2001 QU_{293}	15.9	X	156.35974	278.44137	119.82617	6.61276	0.1747971	0.18627641	3.0364361	20	4 5.9	20.9
239977 2001 QO_{329}	15.1	X	159.03906	143.16389	146.28738	12.04421	0.1139051	0.17562309	3.1580207	20	—	—
239978 2001 QG_{330}	15.2	X	97.31047	294.69053	51.16852	6.77240	0.1601527	0.17288271	3.1913052	20	—	—
239979 2001 RR_{30}	16.2	X	302.53136	178.37380	169.33522	8.74518	0.2113719	0.20338730	2.8636515	20	6 24.2	19.8
239980 2001 RB_{96}	17.5	X	96.42042	46.60045	30.21028	4.83011	0.1290388	0.28587157	2.2822090	20	3 4.9	20.0
239981 2001 RH_{115}	17.0	X	132.13084	308.06008	147.95740	3.69321	0.1178594	0.29616816	2.2290021	20	5 14.7	19.9
239982 2001 RT_{117}	17.2	X	61.93458	15.47539	165.80855	2.84147	0.0413084	0.30016645	2.2091639	20	5 28.3	19.6
239983 2001 RC_{118}	16.3	X	28.07500	163.85582	164.48974	5.77513	0.0950341	0.21199114	2.7856352	20	11 3.3	19.9
239984 2001 RH_{126}	16.0	X	219.97401	229.99037	154.02615	12.51936	0.2023051	0.19352011	2.9601836	20	5 12.6	21.1
239985 2001 RS_{130}	17.6	X	199.12558	228.59869	154.61922	4.48423	0.1325671	0.29577795	2.2309621	20	4 19.7	20.9
239986 2001 RT_{130}	16.4	X	358.77502	329.71990	25.35493	4.63823	0.0795527	0.21050110	2.7987652	20	10 22.2	19.8
239987 2001 RF_{138}	15.1	X	132.68185	279.09691	19.52836	4.65414	0.1164197	0.17138327	3.2098921	20	—	—
239988 2001 RW_{154}	16.0	X	148.60314	168.91137	184.79629	8.06038	0.0504360	0.17900783	3.1180856	20	1 23.2	20.6
239989 2001 SS_7	17.3	X	158.56389	52.79857	359.04499	4.93556	0.1256786	0.29453915	2.2372131	20	4 12.4	20.3
239990 2001 SL_8	15.7	X	351.38778	318.36072	194.27403	11.82261	0.0109294	0.17711290	3.1402864	20	1 18.6	20.3
239991 2001 SX_{15}	17.6	X	306.44017	146.96269	172.24067	3.87970	0.1782443	0.30442312	2.1885222	20	5 27.6	19.6
239992 2001 SS_{36}	15.5	X	168.80121	345.47690	19.15347	5.47351	0.1693555	0.18260424	3.0770093	20	3 7.0	20.5
239993 2001 SP_{82}	15.7	X	261.51283	144.58606	180.71140	11.97994	0.0670666	0.19434075	2.9518445	20	4 24.1	19.9
239994 2001 SH_{90}	17.6	X	167.34340	187.88218	199.58851	2.67164	0.1345192	0.29198337	2.2502493	20	3 21.8	20.9
239995 2001 SC_{193}	15.9	X	225.69449	310.53008	38.28240	2.30042	0.0617512	0.19085258	2.9877026	20	4 11.0	20.1
239996 2001 SV_{202}	17.7	X	79.41034	275.63009	154.25045	1.91392	0.1978922	0.28288298	2.2982548	20	2 5.6	19.7
239997 2001 SU_{215}	16.3	X	328.25249	121.43365	165.49426	10.83394	0.1160583	0.19841842	2.9112626	20	5 29.7	20.0
239998 2001 SF_{233}	17.1	X	330.07334	235.78690	82.77612	3.83925	0.1314149	0.30636769	2.1792518	20	7 24.4	18.6
239999 2001 SR_{233}	15.8	X	126.36308	342.68303	32.86259	8.85701	0.1794305	0.17701454	3.1414495	20	2 13.7	20.7
240000 2001 SY_{244}	15.3	X	312.65404	35.56787	21.29623	6.13784	0.1234620	0.15689416	3.4045903	20	10 17.4	19.6