Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404001 2012 BC_{138}	15.7	X	121.88867	333.28151	288.41222	8.06493	0.1680482	0.17511831	3.1640865	21	11 17.7	20.9
404002 2012 BO_{138}	17.1	X	261.03184	34.95160	106.55843	3.01831	0.1470179	0.18272055	3.0757034	21	11 12.8	21.2
404003 2012 BU_{138}	16.8	X	264.30663	17.55313	139.09528	1.64367	0.0950176	0.18847066	3.0128226	21	12 13.2	20.7
404004 2012 BX_{148}	16.3	X	284.74814	322.85932	150.03271	12.50174	0.0403028	0.17960794	3.1111362	21	11 24.5	20.8
404005 2012 BA_{152}	16.2	X	228.55424	57.27114	120.81099	16.55200	0.1985794	0.18206766	3.0830520	21	11 18.6	21.3
404006 2012 BO_{152}	16.2	X	115.07797	271.43613	160.28161	22.15035	0.0620793	0.22516033	2.6759303	21	3 8.5	19.7
404007 2012 CB_{2}	16.6	X	180.64519	257.65419	304.16984	3.70431	0.1206291	0.17105641	3.2139798	21	10 30.5	21.8
404008 2012 CC_{2}	16.4	X	93.88300	0.00148	332.33265	8.25087	0.0936749	0.18551722	3.0447144	21	—	—
404009 2012 CT_{7}	16.8	X	76.40246	146.32334	307.52813	12.17337	0.2143816	0.22320918	2.6915018	21	2 28.9	19.9
404010 2012 CU_{7}	16.3	X	318.29412	147.81865	305.33740	9.60430	0.0791845	0.18620966	3.0371616	21	12 10.9	20.3
404011 2012 CP_{10}	16.6	X	296.72530	165.36213	327.58356	5.15672	0.1485114	0.18932373	3.0037654	21	12 24.1	20.1
404012 2012 CB_{12}	16.8	X	191.24957	329.25499	351.51286	4.04465	0.0639835	0.21129779	2.7917257	21	1 20.7	20.9
404013 2012 CF_{12}	16.3	X	147.29883	194.52799	81.75292	2.63259	0.1447090	0.18176206	3.0865067	21	12 27.6	21.3
404014 2012 CN_{12}	16.6	X	4.80757	73.37691	342.58201	9.17904	0.0959039	0.18840884	3.0134815	21	—	—
404015 2012 CY_{12}	15.8	X	320.13631	93.44910	349.75598	8.50523	0.0243414	0.18049114	3.1009787	21	11 30.3	20.2
404016 2012 CE_{13}	16.3	X	329.34232	90.75138	342.03745	9.72186	0.0830190	0.18186875	3.0852995	21	11 28.6	20.4
404017 2012 CN_{13}	16.9	X	219.02832	35.73654	338.37508	14.44242	0.1879090	0.23957231	2.5675070	21	4 11.9	21.4
404018 2012 CQ_{14}	17.5	X	78.48020	314.07280	139.22107	4.15032	0.2224373	0.22308744	2.6924809	21	3 11.0	20.4
404019 2012 CG_{15}	16.3	X	201.19787	65.45862	140.13454	10.07357	0.0592490	0.17933222	3.1143243	21	12 2.9	21.0
404020 2012 CM_{16}	16.6	X	303.70217	144.24064	332.04804	7.92488	0.1504507	0.18775164	3.0205096	21	12 12.9	20.2
404021 2012 CY_{17}	16.0	X	321.92655	132.62573	318.55937	9.42498	0.0833276	0.18552073	3.0446760	21	12 13.5	19.9
404022 2012 CC_{21}	17.0	X	183.95468	8.02996	311.00582	3.39890	0.0669953	0.21076765	2.7964051	21	1 10.4	21.1
404023 2012 CE_{29}	16.1	X	14.42788	200.46805	331.65014	12.95731	0.1843363	0.22231446	2.6987184	21	2 17.6	18.5
404024 2012 CH_{29}	16.3	X	120.45894	171.23761	281.63515	8.95797	0.0827100	0.23328804	2.6134111	21	4 8.4	20.0
404025 2012 CG_{30}	16.4	X	310.87812	109.66594	357.20965	10.33523	0.0575383	0.18942014	3.0027461	21	12 19.1	20.5
404026 2012 CW_{34}	15.5	X	134.09634	297.01571	322.91483	9.58240	0.0924532	0.17647437	3.1478567	21	11 22.8	20.5
404027 2012 CU_{37}	16.8	X	40.73384	312.42235	130.35418	4.97634	0.0819291	0.20816230	2.8196898	21	—	—
404028 2012 CP_{41}	17.0	X	162.53927	73.77746	322.88444	14.26961	0.1173930	0.23075509	2.6325008	21	3 18.1	21.1
404029 2012 CU_{42}	15.9	X	158.37415	110.31875	125.30051	10.45975	0.0570180	0.17517521	3.1634013	21	11 23.2	20.8
404030 2012 CW_{42}	15.8	X	250.14707	169.73739	350.94208	9.06937	0.0617489	0.18168253	3.0874073	21	12 1.8	20.4
404031 2012 CG_{43}	17.2	X	65.24988	334.41225	118.18156	11.50934	0.0654611	0.21921244	2.7241180	21	1 27.5	20.4
404032 2012 CR_{44}	15.8	X	262.56046	190.45888	342.14904	7.41730	0.0442650	0.18694922	3.0291465	21	—	—
404033 2012 CF_{45}	15.7	X	166.25389	101.13884	155.09573	22.11043	0.0360139	0.18049047	3.1009865	21	12 25.8	20.6
404034 2012 CT_{45}	16.6	X	150.68880	79.27870	329.06613	12.22870	0.1657306	0.22985650	2.6393573	21	3 25.7	20.9
404035 2012 CM_{49}	17.3	X	111.85488	351.29397	58.71365	5.95525	0.1104237	0.22046035	2.7138284	21	2 14.4	21.0
404036 2012 CM_{51}	16.1	X	291.75155	339.37752	156.75443	10.61424	0.0648426	0.18618842	3.0373926	21	12 27.9	20.3
404037 2012 CU_{52}	17.2	X	49.20548	295.24816	128.32884	3.04546	0.0893063	0.20268424	2.8702699	21	—	—
404038 2012 CQ_{53}	16.8	X	272.85112	27.73469	101.67046	4.82628	0.2003592	0.18324508	3.0698312	21	11 6.3	20.8
404039 2012 DC	15.6	X	261.33590	161.74902	1.15425	18.78464	0.1449327	0.18372909	3.0644375	21	12 4.9	20.1
404040 2012 DO_{1}	15.9	X	287.15272	122.19492	338.61633	8.38196	0.0475806	0.17485868	3.1672177	21	11 4.8	20.3
404041 2012 DD_{3}	16.3	X	296.80358	318.57481	136.77713	10.14320	0.0472661	0.17475707	3.1684453	21	11 17.3	20.7
404042 2012 DQ_{5}	16.7	X	156.58175	273.02177	121.31424	7.64703	0.2090080	0.22747806	2.6577230	21	3 25.9	21.1
404043 2012 DV_{5}	16.3	X	49.33556	255.08239	120.26414	11.66984	0.0260035	0.18322062	3.0701044	21	—	—
404044 2012 DA_{6}	16.3	X	264.36020	27.10189	122.73007	13.04860	0.1972485	0.17975864	3.1093972	21	11 22.4	20.7
404045 2012 DB_{7}	16.6	X	304.68196	107.80645	106.44359	14.78600	0.0926467	0.21619011	2.7494480	21	1 10.9	20.4
404046 2012 DC_{7}	15.7	X	296.00532	132.65275	335.45548	11.63274	0.0712684	0.17935160	3.1140999	21	11 24.1	20.0
404047 2012 DB_{8}	17.2	X	196.62200	282.07226	152.86590	5.24866	0.2033001	0.25697758	2.4502246	21	6 13.9	21.4
404048 2012 DY_{8}	17.3	X	47.55010	337.07800	148.26141	3.94742	0.1286811	0.21817461	2.7327500	21	2 16.6	20.1
404049 2012 DR_{9}	16.4	X	322.52531	137.36667	336.41910	9.78216	0.0573592	0.18936570	3.0033216	21	—	—
404050 2012 DL_{12}	16.1	X	343.18786	295.56669	136.75836	10.74475	0.0584358	0.18175467	3.0865904	21	12 20.4	20.3
404051 2012 DT_{13}	15.7	X	105.02715	143.46424	160.64367	9.97484	0.0565905	0.17763402	3.1341417	21	12 15.3	20.5
404052 2012 DV_{13}	17.1	X	83.72193	82.75596	15.41839	2.68611	0.0709021	0.22109814	2.7086070	21	3 2.8	20.5
404053 2012 DG_{16}	16.1	X	328.78905	27.44249	72.78082	6.34778	0.1062325	0.18251341	3.0780301	21	—	—
404054 2012 DJ_{16}	15.8	X	330.28037	341.94162	147.60202	11.11558	0.0765942	0.18969531	2.9998416	21	—	—
404055 2012 DV_{16}	16.0	X	24.76794	11.16906	18.21492	9.38921	0.0575529	0.18248630	3.0783350	21	12 22.8	20.3
404056 2012 DE_{17}	16.1	X	290.57982	154.30396	319.18475	17.01238	0.1213653	0.18453981	3.0554558	21	11 16.4	20.4
404057 2012 DO_{23}	15.3	X	223.63564	29.24012	163.91116	14.98990	0.1005633	0.17615972	3.1516040	21	12 7.7	20.2
404058 2012 DX_{26}	15.9	X	274.12847	12.64469	148.27557	10.37774	0.0802162	0.18494697	3.0509698	21	—	—
404059 2012 DD_{27}	16.4	X	23.82109	117.72333	318.55990	11.44957	0.1095240	0.19740622	2.9212059	21	—	—
404060 2012 DJ_{27}	15.9	X	253.61980	156.38413	350.39559	10.34940	0.0958153	0.17327861	3.1864425	21	11 11.3	20.6
404061 2012 DM_{27}	15.9	X	138.48105	144.22288	172.94503	11.17752	0.0720039	0.18536616	3.0463684	21	—	—
404062 2012 DK_{29}	16.7	X	125.28088	271.15431	163.30116	8.70386	0.0882889	0.22091159	2.7101316	21	3 29.9	20.4
404063 2012 DS_{33}	16.5	X	123.74220	263.60813	149.23368	7.04129	0.0445248	0.21387772	2.7692300	21	2 22.1	20.3
404064 2012 DD_{38}	15.9	X	284.91378	47.71069	86.94076	9.98616	0.0824301	0.18257587	3.0773281	21	12 14.2	19.8
404065 2012 DQ_{39}	15.5	X	177.75013	286.13179	345.38046	9.45730	0.0780533	0.18274810	3.0753943	21	—	—
404066 2012 DT_{43}	16.1	X	43.10262	212.12824	147.01373	11.59919	0.0563056	0.17658237	3.1465731	21	12 9.9	20.7
404067 2012 DC_{50}	16.1	X	106.76301	199.10861	161.51925	9.49232	0.0738650	0.18788992	3.0190275	21	—	—
404068 2012 DN_{59}	16.4	X	340.90212	291.17175	160.41019	9.25379	0.0833815	0.18495785	3.0508502	21	—	—
404069 2012 DF_{60}	16.3	X	136.12745	175.43329	147.48092	9.93753	0.0411983	0.19311708	2.9643007	21	—	—
404070 2012 DW_{61}	15.4	X	126.66544	49.72560	236.02963	11.09330	0.0514986	0.17662559	3.1460597	21	12 15.5	20.1
404071 2012 DU_{65}	16.5	X	236.58277	62.31547	129.86835	2.15781	0.1114885	0.18226682	3.0808057	21	12 18.7	20.9
404072 2012 DF_{67}	16.5	X	238.94797	8.99774	121.43535	2.20405	0.0963440	0.16888887	3.2414204	21	10 9.7	21.2
404073 2012 DE_{69}	17.2	X	122.12693	79.29402	307.71855	3.51565	0.0755619	0.21372094	2.7705840	21	1 23.2	21.0
404074 2012 DH_{71}	16.4	X	145.26378	99.56306	244.12204	5.61353	0.0732356	0.20252510	2.8717732	21	—	—
404075 2012 DJ_{73}	16.5	X	168.93988	85.80004	150.28819	5.64489	0.1195023	0.17589405	3.1547766	21	12 1.4	21.6
404076 2012 DM_{79}	16.1	X	290.41306	74.45236	49.11434	7.27639	0.1505214	0.18324044	3.0698830	21	11 29.4	19.9
404077 2012 DV_{81}	15.8	X	331.68854	127.56979	340.98646	12.36479	0.1144012	0.18894115	3.0078189	21	—	—
404078 2012 DT_{83}	16.6	X	333.42240	322.05664	138.25646	5.16350	0.2486811	0.18833627	3.0142556	21	—	—
404079 2012 DL_{88}	15.4	X	76.92857	175.86815	342.19094	2.09817	0.1485000	0.12593320	3.9419329	21	5 28.2	20.7
404080 2012 DB_{89}	15.7	X	214.39790	186.77864	6.15924	11.84485	0.0703347	0.17805438	3.1292069	21	11 26.2	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404081 2012 DK_{89}	15.8	X	256.43196	66.81186	90.66878	6.25294	0.0827536	0.17809039	3.1287850	21	12 4.3	20.0
404082 2012 EN	17.6	X	331.39639	92.79520	305.55142	1.25483	0.2360214	0.27891685	2.3199905	21	11 14.2	18.6
404083 2012 ER_{1}	16.0	X	289.82269	76.20266	39.83006	9.34884	0.0431424	0.17558219	3.1585111	21	11 29.4	20.4
404084 2012 ES_{1}	15.8	X	231.49008	68.29855	94.26282	6.94624	0.1159888	0.17164439	3.2066359	21	11 7.9	20.6
404085 2012 ET_{4}	16.1	X	2.07922	258.27105	168.52150	8.53798	0.1497820	0.18449677	3.0559310	21	—	—
404086 2012 ES_{6}	16.2	X	251.79797	349.83972	139.49949	2.00229	0.1284609	0.17089895	3.2159537	21	10 18.8	20.8
404087 2012 EN_{7}	15.5	X	128.28707	305.97741	346.31952	15.78810	0.1890557	0.17855808	3.1233193	21	—	—
404088 2012 EZ_{10}	16.2	X	307.21795	41.67912	46.43498	1.60852	0.1476158	0.17580234	3.1558737	21	11 10.3	20.0
404089 2012 FV	15.8	X	31.11194	347.71850	74.21206	6.97060	0.0641261	0.18982847	2.9984385	21	—	—
404090 2012 FP_{5}	16.7	X	85.39207	62.07345	302.70561	1.05174	0.0829641	0.19019685	2.9945657	21	—	—
404091 2012 FO_{9}	15.8	X	123.42835	322.11921	345.21166	8.27767	0.1195482	0.18082813	3.0971249	21	—	—
404092 2012 FF_{19}	16.6	X	332.76415	343.58530	131.36161	4.15211	0.1050956	0.18884292	3.0088618	21	—	—
404093 2012 FK_{22}	15.8	X	95.70395	160.34215	164.90608	10.11210	0.0808485	0.17500009	3.1655113	21	12 30.7	20.7
404094 2012 FE_{30}	16.0	X	286.78136	64.67421	29.22995	5.12700	0.1349280	0.16899610	3.2400491	21	10 18.2	20.2
404095 2012 FP_{32}	16.1	X	310.70704	325.59858	132.23194	4.25345	0.0594529	0.18164806	3.0877980	21	12 6.7	20.1
404096 2012 FJ_{33}	16.1	X	40.48786	222.83997	214.07632	10.14802	0.1368609	0.19647004	2.9304782	21	—	—
404097 2012 FN_{33}	16.0	X	37.51055	39.89997	321.11093	9.14234	0.0738436	0.16846126	3.2469033	21	12 3.1	20.6
404098 2012 FM_{45}	16.8	X	318.28541	41.52639	55.06236	1.63080	0.1441681	0.18091054	3.0961843	21	12 11.3	20.5
404099 2012 FE_{46}	16.2	X	93.84871	199.63685	168.28372	11.26009	0.0779418	0.18906931	3.0064595	21	—	—
404100 2012 FK_{50}	17.4	X	93.97831	340.31349	107.03068	4.02791	0.1550343	0.21750175	2.7383832	21	3 17.3	20.9
404101 2012 FW_{57}	15.8	X	112.61469	319.30372	342.39050	8.22213	0.0282983	0.17377989	3.1803119	21	12 16.8	20.5
404102 2012 FS_{69}	15.4	X	320.02843	33.56038	39.36837	9.64410	0.1018591	0.17118305	3.2123945	21	11 13.2	19.3
404103 2012 FC_{82}	15.9	X	287.32915	355.54215	149.39956	13.05444	0.0435621	0.18103182	3.0948012	21	—	—
404104 2012 GN_{2}	16.9	X	89.36464	229.40501	187.92663	1.66298	0.0606356	0.19886937	2.9068600	21	1 19.4	20.7
404105 2012 GX_{20}	16.2	X	141.54668	115.70679	178.80111	9.18880	0.1003987	0.17668752	3.1453245	21	—	—
404106 2012 HX_{36}	15.9	X	25.10411	264.84831	162.18574	10.39390	0.0903384	0.17750831	3.1356212	21	—	—
404107 2012 QW_{35}	18.1	X	210.90604	99.74349	286.94572	3.39487	0.1442239	0.29702666	2.2247050	21	4 22.6	21.5
404108 2012 SF_{51}	15.1	X	354.50534	156.62599	1.14273	20.80044	0.6879385	0.24891985	2.5028204	21	—	—
404109 2012 UE_{1}	17.6	X	10.07169	225.33912	229.90298	19.49408	0.0900394	0.36193589	1.9500614	21	—	—
404110 2012 WO_{8}	17.4	X	29.47714	56.71194	307.63010	1.97804	0.1138697	0.22434081	2.6824432	21	12 14.9	20.7
404111 2012 XO_{40}	16.7	X	334.59795	2.28799	75.56602	11.24351	0.2061457	0.22207023	2.7006967	21	12 31.9	19.3
404112 2012 XQ_{83}	18.3	X	225.36673	73.41004	285.11420	16.48456	0.1106234	0.39025726	1.8545365	21	3 11.9	21.1
404113 2012 XX_{105}	17.0	X	57.59547	241.45355	306.56181	10.95018	0.1647510	0.27010773	2.3701620	21	6 3.3	19.6
404114 2012 XL_{152}	17.9	X	103.22037	332.07986	190.42779	4.34927	0.1926524	0.27653548	2.3332905	21	7 8.2	21.1
404115 2013 AG	15.8	X	43.08444	227.23446	308.32512	22.53150	0.2942385	0.25909658	2.4368470	21	4 19.4	18.3
404116 2013 AV_{17}	17.3	X	270.96680	288.30383	301.30266	17.20810	0.0651740	0.35345348	1.9811372	21	—	—
404117 2013 AJ_{23}	17.3	X	43.90883	245.11037	315.61573	5.64495	0.0980715	0.26654577	2.3912309	21	5 18.1	19.8
404118 2013 AF_{40}	17.8	X	101.77394	114.13636	129.85022	2.79710	0.1434758	0.29852334	2.2172629	21	10 23.6	20.8
404119 2013 AA_{42}	17.5	X	20.27351	194.28634	23.48764	5.05513	0.1361966	0.26329836	2.4108523	21	5 2.3	19.7
404120 2013 AZ_{57}	17.6	X	63.24898	244.20431	330.94074	2.04657	0.1413559	0.27754093	2.3276519	21	7 22.1	20.1
404121 2013 AY_{59}	17.4	X	350.21329	110.69943	122.30155	6.61492	0.0898644	0.26595697	2.3947589	21	4 5.1	20.1
404122 2013 AH_{74}	17.5	X	329.33882	97.84381	89.33275	7.33851	0.1950720	0.23587011	2.5943035	21	—	—
404123 2013 AL_{114}	16.8	X	58.02835	253.48593	122.76487	7.34011	0.0387961	0.22207161	2.7006855	21	—	—
404124 2013 AW_{116}	17.1	X	39.87393	241.71787	0.99025	5.54083	0.1489829	0.27719599	2.3295825	21	7 26.9	19.3
404125 2013 AW_{117}	17.7	X	75.35441	180.95466	343.26567	6.00130	0.1417699	0.26724807	2.3870398	21	5 23.9	20.5
404126 2013 AM_{128}	17.6	X	115.27177	58.64108	142.60600	6.65997	0.2298505	0.28368753	2.2939074	21	9 16.5	21.2
404127 2013 AN_{174}	17.3	X	324.83035	283.11622	218.00806	10.74770	0.1436460	0.22683172	2.6627692	21	—	—
404128 2013 AS_{182}	17.1	X	28.10858	14.28930	213.04347	11.53171	0.1538859	0.27063191	2.3671006	21	6 6.1	19.3
404129 2013 BN_{8}	16.6	X	211.17280	196.60224	105.41774	16.68898	0.1967891	0.24531613	2.5272720	21	1 14.9	20.9
404130 2013 BF_{28}	16.1	X	155.42456	96.66504	92.00218	13.52383	0.1842753	0.18039931	3.1020310	21	10 1.9	21.5
404131 2013 BD_{30}	18.3	X	116.91241	252.83094	346.88420	4.13579	0.1463378	0.30523677	2.1846313	21	10 31.7	21.6
404132 2013 BL_{61}	16.1	X	150.58383	70.55804	124.01207	9.89684	0.0598026	0.18231277	3.0802880	21	9 28.8	20.8
404133 2013 BP_{61}	17.8	X	113.70956	237.61668	314.36573	4.92351	0.1059150	0.28601793	2.2814303	21	8 20.6	20.9
404134 2013 BQ_{62}	17.4	X	8.83431	238.56239	345.49233	4.54792	0.0888965	0.26024761	2.4296565	21	4 19.7	19.9
404135 2013 CH_{2}	16.6	X	329.52804	243.63349	292.59523	11.38650	0.2031060	0.23123662	2.6288449	21	—	—
404136 2013 CV_{4}	18.0	X	96.11065	27.98603	159.58638	4.38636	0.0849763	0.28068112	2.3102585	21	7 19.3	20.8
404137 2013 CX_{9}	18.1	X	33.07635	53.21428	156.38118	1.59901	0.1285342	0.26620041	2.3932987	21	5 16.8	20.1
404138 2013 CM_{10}	17.4	X	38.61111	65.98463	110.46108	3.18677	0.1433621	0.25589014	2.4571614	21	4 9.9	19.6
404139 2013 CP_{16}	17.2	X	59.66312	265.94972	299.02340	3.51722	0.1527821	0.26781566	2.3836660	21	7 2.4	19.7
404140 2013 CQ_{17}	17.4	X	319.60281	160.46922	78.50733	3.44393	0.1846923	0.24281815	2.5445752	21	2 12.6	20.7
404141 2013 CE_{18}	18.3	X	165.68018	113.95588	32.24142	3.73368	0.0493159	0.28626572	2.2801136	21	8 19.3	21.2
404142 2013 CK_{18}	17.0	X	300.59324	240.07545	348.57545	13.03991	0.1245440	0.23433780	2.6056004	21	1 19.7	20.8
404143 2013 CR_{18}	17.9	X	327.82979	20.68978	6.90258	6.83049	0.0529738	0.30087370	2.2057006	21	10 20.0	20.2
404144 2013 CY_{18}	17.4	X	6.01066	145.47529	91.21924	2.30070	0.1468689	0.25751762	2.4467978	21	5 4.5	19.6
404145 2013 CB_{19}	17.3	X	355.75483	164.86166	69.99120	2.40738	0.1227403	0.25428742	2.4674752	21	4 13.4	19.8
404146 2013 CD_{19}	18.0	X	170.82350	146.94174	350.82614	6.88276	0.1201141	0.28565831	2.2833447	21	8 13.7	21.4
404147 2013 CF_{24}	17.5	X	117.55706	191.44088	331.39759	8.50912	0.1249624	0.27657157	2.3330875	21	7 19.7	20.7
404148 2013 CK_{29}	17.9	X	124.00156	117.95080	126.39506	5.33334	0.1291058	0.30398811	2.1906096	21	11 16.4	21.1
404149 2013 CR_{30}	17.9	X	65.21882	121.57766	113.30292	9.19570	0.0955808	0.28268896	2.2993062	21	8 17.7	20.5
404150 2013 CB_{32}	18.0	X	126.11004	336.14927	225.31814	1.98635	0.1788935	0.28940291	2.2636057	21	9 21.7	21.5
404151 2013 CQ_{33}	16.1	X	150.27082	248.81629	341.19435	22.22065	0.4883471	0.17714850	3.1398656	21	10 31.1	22.8
404152 2013 CK_{38}	17.4	X	85.93353	191.97035	349.72682	5.92507	0.1632473	0.27042769	2.3682922	21	7 10.9	20.4
404153 2013 CU_{38}	17.8	X	170.46257	156.00140	13.07793	6.84908	0.1234977	0.29493375	2.2352172	21	9 24.3	20.8
404154 2013 CS_{44}	17.1	X	139.31785	248.19118	133.42315	14.99742	0.1419007	0.24416716	2.5351941	21	2 9.6	20.6
404155 2013 CF_{46}	17.5	X	328.18981	177.14996	94.81876	5.86337	0.1727032	0.26112652	2.4242016	21	4 12.8	20.2
404156 2013 CS_{46}	18.0	X	88.43483	250.12648	8.43708	5.94399	0.0873878	0.29863288	2.2167207	21	10 19.7	20.8
404157 2013 CJ_{50}	17.1	X	161.41032	222.75056	337.83001	7.98323	0.0290270	0.30261620	2.1972253	21	10 26.1	19.9
404158 2013 CR_{54}	18.4	X	90.00250	198.36549	332.10566	2.13561	0.1293412	0.27202665	2.3590026	21	6 23.8	21.4
404159 2013 CG_{58}	17.7	X	67.19330	1.91916	171.85980	5.42687	0.0815379	0.26321077	2.4113872	21	5 18.7	20.4
404160 2013 CH_{62}	17.4	X	331.41843	72.60698	135.61653	7.28600	0.1554113	0.24179118	2.5517752	21	1 22.4	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404161 2013 CS_{64}	18.4	X	165.50246	202.21163	299.83330	6.38653	0.0995915	0.28820983	2.2698484	21	8 10.8	21.6
404162 2013 CX_{66}	17.4	X	348.09776	249.79224	306.00835	6.27828	0.1345428	0.24255921	2.5463858	21	2 2.6	20.3
404163 2013 CG_{70}	17.7	X	35.24468	88.98039	134.11881	5.08695	0.1796325	0.26835619	2.3804641	21	6 18.3	19.7
404164 2013 CC_{71}	16.4	X	266.52281	25.46373	123.36460	16.27380	0.0816802	0.20594329	2.8399081	21	12 14.2	20.3
404165 2013 CP_{75}	17.5	X	94.44226	214.68914	354.35568	7.78059	0.0890843	0.28153288	2.3055965	21	8 20.7	20.4
404166 2013 CQ_{75}	17.1	X	7.77332	232.69490	356.95389	6.03317	0.0723314	0.26000151	2.4311894	21	4 26.5	19.7
404167 2013 CX_{75}	16.9	X	43.10921	310.94051	275.66839	4.09466	0.1529583	0.27125412	2.3634794	21	7 5.8	18.9
404168 2013 CF_{77}	17.7	X	67.83764	44.44086	174.97768	2.37932	0.1618582	0.27313350	2.3526252	21	8 6.9	20.4
404169 2013 CF_{79}	18.1	X	270.20807	144.05681	312.20415	7.52992	0.0291645	0.30622274	2.1799394	21	10 30.6	20.7
404170 2013 CZ_{79}	18.1	X	49.69103	339.44909	255.19329	1.12806	0.1932812	0.27846670	2.3224901	21	8 6.9	20.3
404171 2013 CV_{81}	18.0	X	85.45466	55.51460	208.44926	5.97817	0.0602630	0.29863061	2.2167319	21	10 21.0	20.7
404172 2013 CH_{83}	16.9	X	254.02414	74.06028	153.79203	12.99685	0.1121951	0.21790109	2.7350365	21	—	—
404173 2013 CF_{84}	17.4	X	2.76871	91.91524	131.95380	5.65670	0.1569817	0.25268207	2.4779151	21	4 9.5	19.7
404174 2013 CA_{86}	17.7	X	169.58334	153.76491	21.68159	5.23667	0.0726111	0.29424442	2.2387069	21	10 3.3	20.5
404175 2013 CL_{86}	17.9	X	107.15458	122.48587	39.22325	1.74419	0.1238784	0.27201185	2.3590881	21	7 3.5	21.1
404176 2013 CO_{87}	18.2	X	18.30346	140.39699	120.15687	3.14331	0.1411882	0.27877175	2.3207955	21	7 8.3	20.0
404177 2013 CO_{88}	17.7	X	31.46056	2.62178	159.50095	24.98466	0.0596365	0.36986033	1.9221069	21	2 1.7	19.6
404178 2013 CC_{90}	16.1	X	287.82737	240.27176	324.69240	12.21743	0.2128047	0.22435689	2.6823150	21	—	—
404179 2013 CM_{93}	18.7	X	141.46291	200.90604	323.48494	4.30072	0.1132235	0.28605658	2.2812248	21	8 15.9	21.7
404180 2013 CG_{98}	17.5	X	312.69146	230.80799	332.73761	2.91969	0.1307706	0.23414215	2.6070517	21	—	—
404181 2013 CL_{100}	15.7	X	111.84403	345.90586	149.14963	10.66204	0.0292132	0.15093670	3.4935970	21	5 27.6	20.8
404182 2013 CZ_{101}	17.4	X	324.96083	254.85113	346.43305	6.64661	0.1896469	0.24259168	2.5461586	21	2 21.8	20.5
404183 2013 CO_{103}	17.5	X	96.24043	180.09980	25.12217	4.77435	0.0896118	0.28326156	2.2962066	21	8 17.8	20.4
404184 2013 CU_{106}	18.0	X	76.09882	152.88505	136.38710	5.32091	0.1739264	0.30239471	2.1982981	21	11 28.2	21.1
404185 2013 CY_{110}	17.4	X	37.11769	174.92488	18.33577	4.79972	0.1305852	0.25981568	2.4323486	21	4 28.5	19.6
404186 2013 CK_{111}	17.7	X	95.57232	183.58034	2.89563	6.75537	0.0498151	0.27853430	2.3221143	21	7 13.7	20.7
404187 2013 CC_{112}	17.5	X	52.62483	268.01525	346.08055	4.64693	0.2385396	0.27709801	2.3301316	21	9 17.5	20.1
404188 2013 CD_{113}	17.8	X	64.88791	43.26717	179.99800	3.07224	0.1512730	0.27669681	2.3323835	21	8 6.3	20.4
404189 2013 CE_{113}	16.6	X	174.43013	49.76728	109.90892	16.09794	0.2155434	0.17825480	3.1268608	21	9 11.4	22.2
404190 2013 CB_{118}	17.8	X	95.11669	153.43943	41.06374	3.41654	0.1431204	0.27484554	2.3428451	21	8 7.5	20.8
404191 2013 CC_{118}	17.6	X	114.71005	54.90591	92.16915	3.50589	0.1258202	0.26955959	2.3733741	21	6 22.5	20.8
404192 2013 CK_{120}	17.4	X	42.18049	63.36655	151.02182	6.99158	0.0717859	0.26625322	2.3929822	21	6 5.3	20.1
404193 2013 CY_{122}	17.7	X	348.43261	356.00175	248.27408	5.59937	0.0726780	0.25967697	2.4332147	21	4 15.8	20.6
404194 2013 CH_{123}	18.3	X	227.37317	122.49425	340.33216	4.31136	0.0509606	0.29372279	2.2413566	21	9 6.1	20.9
404195 2013 CH_{125}	17.4	X	102.18242	174.52142	32.41704	5.97308	0.1090056	0.28227098	2.3015755	21	8 31.2	20.5
404196 2013 CC_{126}	17.5	X	99.22622	94.12255	81.40518	3.84020	0.1184368	0.27139579	2.3626569	21	7 12.2	20.6
404197 2013 CW_{130}	17.1	X	359.93397	254.33450	340.72088	6.53602	0.0449249	0.25789772	2.4443931	21	4 22.3	20.1
404198 2013 CL_{132}	16.7	X	283.90426	283.14269	316.04034	11.65900	0.2277533	0.22780796	2.6551565	21	1 3.1	21.1
404199 2013 CG_{133}	16.9	X	113.03346	216.04045	108.73024	5.26729	0.0721612	0.21357787	2.7718213	21	—	—
404200 2013 CH_{133}	17.9	X	349.66360	220.94151	24.57026	3.01057	0.1415886	0.25959079	2.4337532	21	4 13.9	20.3
404201 2013 CV_{136}	17.2	X	286.54963	175.86490	63.28018	6.01894	0.0831702	0.23633324	2.5909131	21	1 18.8	20.8
404202 2013 CM_{138}	17.6	X	106.51535	247.63260	332.89214	7.22729	0.0706935	0.28991390	2.2609452	21	9 15.9	20.4
404203 2013 CS_{144}	17.7	X	5.11950	29.12063	204.63015	2.27647	0.1780919	0.25657797	2.4527680	21	4 25.3	19.8
404204 2013 CK_{152}	17.3	X	54.01659	125.65091	116.45907	6.86233	0.0806168	0.27898338	2.3196217	21	8 7.0	19.7
404205 2013 CS_{156}	17.4	X	307.46332	248.47208	359.51174	7.44704	0.1455018	0.24215731	2.5492025	21	2 15.6	20.8
404206 2013 CH_{159}	18.3	X	143.98794	270.25025	344.53040	4.37522	0.0086403	0.31407392	2.1434571	21	12 24.8	20.7
404207 2013 CB_{160}	17.4	X	13.23319	255.48415	1.18979	2.34443	0.1356781	0.26651819	2.3913959	21	6 20.4	19.5
404208 2013 CL_{162}	17.3	X	274.33662	121.05021	147.74859	5.07355	0.1581133	0.23606665	2.5928634	21	2 1.8	21.3
404209 2013 CQ_{162}	17.6	X	123.71974	186.41534	341.74706	8.48890	0.1206413	0.27733056	2.3288288	21	8 3.3	20.9
404210 2013 CU_{163}	17.4	X	4.11570	78.96087	160.75005	9.18396	0.1741933	0.25519009	2.4616531	21	5 6.6	19.6
404211 2013 CE_{166}	17.7	X	100.04726	161.60898	343.08892	2.62637	0.1219457	0.26411850	2.4058590	21	5 30.2	20.7
404212 2013 CM_{169}	17.1	X	19.68019	272.85939	3.19561	6.64654	0.1119637	0.27914097	2.3187486	21	8 5.9	19.3
404213 2013 CR_{169}	17.5	X	267.27866	281.31047	165.67866	5.96552	0.0521515	0.29953553	2.2122650	21	10 13.5	19.8
404214 2013 CX_{170}	18.2	X	80.67386	80.62182	200.13041	2.18583	0.0575830	0.30075349	2.2062883	21	11 7.6	20.8
404215 2013 CM_{172}	17.5	X	117.15504	10.46866	154.56418	6.47544	0.0507208	0.27627947	2.3347317	21	7 10.6	20.5
404216 2013 CT_{174}	17.5	X	35.00835	16.49896	332.30932	4.25480	0.1235310	0.30929836	2.1654640	21	12 22.7	19.9
404217 2013 CC_{181}	17.5	X	147.17499	244.67073	263.97774	4.80631	0.1086494	0.27966577	2.3158469	21	7 29.9	20.8
404218 2013 CT_{183}	16.8	X	349.49995	86.83850	101.36512	13.78836	0.1177975	0.24451712	2.5327745	21	1 29.2	19.8
404219 2013 CR_{184}	15.6	X	179.03473	29.20281	122.47873	23.57581	0.1473561	0.17652623	3.1472401	21	9 5.4	20.9
404220 2013 CG_{187}	17.5	X	340.46875	165.45065	37.59238	5.31141	0.1859855	0.24233099	2.5479843	21	1 25.9	20.6
404221 2013 CZ_{187}	18.3	X	196.28042	232.72675	318.88000	2.58409	0.0299874	0.31283971	2.1490910	21	12 4.5	20.7
404222 2013 CJ_{200}	18.0	X	101.14860	165.98403	68.67027	5.51022	0.0879914	0.29404265	2.2397308	21	10 5.9	20.9
404223 2013 CY_{203}	17.8	X	352.70495	172.45542	119.56424	7.43947	0.1154723	0.27719110	2.3296098	21	7 4.6	20.0
404224 2013 CX_{206}	17.1	X	250.58005	65.68800	273.41816	7.54213	0.1448358	0.26496912	2.4007073	21	3 31.8	20.9
404225 2013 CS_{208}	18.2	X	92.28248	181.62324	340.13253	3.63850	0.1062984	0.26523629	2.3990948	21	6 10.4	21.2
404226 2013 CM_{222}	17.7	X	283.25773	46.41765	186.64647	2.04919	0.1465495	0.22992773	2.6388122	21	—	—
404227 2013 DB_{5}	17.9	X	53.17403	138.79853	96.26915	1.61466	0.1642324	0.27470563	2.3436406	21	8 8.9	20.3
404228 2013 DF_{6}	17.3	X	29.19684	55.14908	111.98407	5.36908	0.0928869	0.24537179	2.5268898	21	3 10.2	20.0
404229 2013 DM_{7}	17.8	X	159.20201	32.21912	108.73665	5.76518	0.1267803	0.28146807	2.3059504	21	8 4.4	21.1
404230 2013 EF_{2}	17.9	X	86.80293	142.36227	119.72948	4.56148	0.0835007	0.29460875	2.2368608	21	10 24.9	20.7
404231 2013 EF_{3}	17.9	X	356.05841	35.03304	159.82845	2.43055	0.1393078	0.24647061	2.5193739	21	2 12.9	20.7
404232 2013 EZ_{3}	17.6	X	99.97864	257.65879	286.20490	1.89201	0.1203795	0.27457840	2.3443645	21	7 24.8	20.7
404233 2013 EM_{4}	16.5	X	351.11491	214.55793	332.93380	12.94225	0.1015009	0.23952521	2.5678435	21	2 4.2	19.6
404234 2013 EF_{5}	16.9	X	318.43992	267.51993	283.56996	5.00413	0.1368162	0.22916105	2.6446945	21	—	—
404235 2013 EH_{5}	17.8	X	351.10353	73.98452	179.59251	2.17561	0.1688118	0.25763762	2.4460380	21	4 27.1	19.8
404236 2013 EH_{6}	17.9	X	46.32063	285.73359	320.26397	2.24908	0.1288982	0.27362806	2.3497895	21	8 7.4	20.2
404237 2013 EF_{7}	17.6	X	321.26393	330.06011	327.05212	2.04792	0.1629660	0.26290223	2.4132735	21	5 5.4	20.3
404238 2013 EK_{7}	17.6	X	78.40555	99.62372	166.23071	5.99271	0.1568445	0.29001201	2.2604352	21	10 27.9	20.6
404239 2013 EV_{7}	17.9	X	12.91434	60.95914	192.53062	1.97595	0.0935039	0.26672781	2.3901428	21	6 13.3	20.3
404240 2013 EK_{9}	16.7	X	138.38087	324.61146	315.87745	6.13599	0.3119389	0.19064469	2.9898741	21	12 28.3	22.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404241 2013 ER_9	16.5	X	21.91980	47.69868	98.91853	16.47463	0.0831995	0.23298869	2.6156491	21	1 31.2	19.6
404242 2013 ES_{10}	16.5	X	1.97936	192.25705	324.77194	9.39169	0.1224977	0.23328007	2.6134706	21	1 9.3	19.5
404243 2013 EA_{11}	17.1	X	329.94675	36.50824	271.72481	6.80670	0.1324188	0.27363911	2.3497263	21	6 12.9	19.4
404244 2013 EY_{11}	17.9	X	140.56009	6.46715	121.29645	3.87824	0.0217123	0.27112422	2.3642343	21	6 16.3	20.7
404245 2013 EA_{15}	18.3	X	170.77926	156.93994	354.26298	4.44405	0.0839301	0.28921513	2.2645854	21	8 31.6	21.4
404246 2013 ES_{17}	16.7	X	274.01541	79.68767	109.04128	4.17861	0.1066444	0.21061220	2.7977809	21	—	—
404247 2013 ET_{28}	16.4	X	194.61331	331.22023	359.80117	12.30136	0.0164074	0.23219531	2.6216040	21	2 3.5	20.1
404248 2013 EW_{29}	16.4	X	284.68072	198.31283	19.21088	4.74864	0.0854228	0.22406790	2.6846208	21	—	—
404249 2013 EZ_{29}	16.9	X	320.71953	177.27012	23.45666	12.96520	0.0688157	0.23432959	2.6056613	21	1 16.7	20.6
404250 2013 EK_{30}	17.7	X	157.39616	112.51198	23.76697	5.92089	0.1048433	0.27794872	2.3253746	21	7 27.5	21.1
404251 2013 EO_{31}	16.9	X	256.52104	221.36736	64.42057	4.94935	0.0885130	0.23368410	2.6104574	21	2 13.2	20.8
404252 2013 EX_{31}	16.6	X	211.21419	160.19200	90.47081	5.17553	0.0717533	0.20726057	2.8278623	21	—	—
404253 2013 EY_{31}	16.6	X	306.09681	104.23452	153.44646	11.07795	0.0979820	0.23995800	2.5647551	21	3 4.4	20.0
404254 2013 EF_{33}	16.3	X	294.24811	216.15699	354.66910	12.46311	0.1210811	0.22431055	2.6826844	21	—	—
404255 2013 EV_{33}	16.8	X	63.01741	356.46282	187.01964	9.47396	0.1700987	0.25970702	2.4330269	21	6 9.4	19.6
404256 2013 EY_{33}	17.3	X	63.93731	230.30933	288.41799	3.83682	0.1052010	0.25190570	2.4830038	21	4 22.4	20.1
404257 2013 EQ_{34}	17.0	X	264.04807	268.47944	25.75994	6.19990	0.0374535	0.24353293	2.5395938	21	3 8.5	20.4
404258 2013 ER_{34}	16.9	X	284.05942	172.16379	48.78348	3.62513	0.1240256	0.22392742	2.6857435	21	—	—
404259 2013 EO_{37}	17.8	X	123.23264	56.66876	151.69603	6.86742	0.0275916	0.28807994	2.2705307	21	9 19.4	20.5
404260 2013 ES_{38}	16.1	X	47.96497	168.07657	141.16384	9.81453	0.0153458	0.17772024	3.1331279	21	10 12.9	20.6
404261 2013 EL_{44}	18.3	X	82.83375	129.33567	185.69439	3.50968	0.1452432	0.30828224	2.1702198	21	—	—
404262 2013 EP_{45}	17.3	X	278.76218	3.53989	289.79397	1.68376	0.1224811	0.24623495	2.5209811	21	3 11.1	20.8
404263 2013 EC_{46}	16.8	X	230.65209	351.47729	261.97381	0.69160	0.1949218	0.21418913	2.7665452	21	—	—
404264 2013 EV_{50}	18.2	X	183.53442	157.33976	343.86786	5.83587	0.0749342	0.28842047	2.2687432	21	9 1.7	21.3
404265 2013 EL_{67}	17.3	X	3.28098	57.74156	120.14575	5.01510	0.0645016	0.23594799	2.5937326	21	2 13.1	20.5
404266 2013 EY_{68}	16.8	X	176.50790	203.01788	30.54181	11.27338	0.1950979	0.18860194	3.0114243	21	12 1.2	22.0
404267 2013 EG_{74}	17.2	X	285.42514	220.22270	96.70396	2.71477	0.2101408	0.25671346	2.4519049	21	4 8.3	20.6
404268 2013 EJ_{79}	17.0	X	233.82562	113.18569	149.71414	7.96847	0.1846923	0.21830193	2.7316874	21	—	—
404269 2013 EY_{80}	17.8	X	28.52604	238.60523	86.20481	4.72136	0.0709366	0.29564727	2.2316194	21	10 30.5	20.2
404270 2013 EP_{82}	16.9	X	258.37934	251.47516	57.02488	5.64423	0.1195508	0.24482221	2.5306699	21	3 12.2	20.6
404271 2013 EQ_{83}	17.4	X	341.66961	145.30816	11.65240	3.18820	0.0693503	0.22531405	2.6747131	21	—	—
404272 2013 ES_{84}	17.3	X	48.90935	150.57050	72.40772	3.16458	0.1175703	0.26698449	2.3886106	21	7 5.4	19.6
404273 2013 EX_{85}	15.2	X	338.63928	108.10065	126.15242	6.93547	0.1967214	0.12595249	3.9415304	21	3 28.0	20.0
404274 2013 EA_{87}	16.9	X	340.52348	124.48916	53.21279	8.65819	0.0844322	0.22810169	2.6528766	21	1 10.5	20.3
404275 2013 EV_{87}	16.3	X	167.02586	106.69678	111.85043	13.95403	0.1731299	0.18421190	3.0590806	21	11 13.2	21.6
404276 2013 EE_{88}	16.5	X	359.85314	169.57515	353.93693	8.56202	0.0702377	0.23129630	2.6283927	21	1 22.2	19.8
404277 2013 EH_{88}	16.7	X	57.46128	203.15764	76.51377	10.73859	0.2706583	0.27997977	2.3141151	21	11 6.1	19.9
404278 2013 ET_{88}	17.5	X	64.92189	75.31330	119.62868	4.36572	0.0488385	0.26147510	2.4220466	21	6 9.3	20.3
404279 2013 EN_{90}	17.2	X	65.30233	131.65204	47.02624	7.83291	0.1182960	0.26203704	2.4185826	21	5 26.3	19.7
404280 2013 EL_{91}	17.5	X	127.57421	265.72752	248.39148	4.17881	0.1133792	0.27516017	2.3410589	21	7 15.6	20.7
404281 2013 EQ_{91}	17.3	X	118.07439	327.07136	176.01548	7.78900	0.1382385	0.26722058	2.3872036	21	6 22.6	20.8
404282 2013 EH_{92}	17.0	X	129.78898	222.41065	313.69858	3.05040	0.0847608	0.27992917	2.3143939	21	8 15.9	20.0
404283 2013 EQ_{97}	17.1	X	254.47722	257.03428	359.64839	3.45957	0.0761573	0.22583110	2.6706289	21	1 7.1	20.9
404284 2013 EX_{97}	17.5	X	336.36755	58.59844	170.13452	3.04819	0.0924490	0.24386565	2.5372833	21	3 7.5	20.2
404285 2013 EZ_{101}	16.3	X	171.30151	102.63241	133.99199	6.97997	0.1750387	0.18796312	3.0182436	21	12 4.1	21.3
404286 2013 EL_{102}	17.0	X	271.50536	166.68158	59.19522	5.15758	0.1543950	0.21843464	2.7305809	21	—	—
404287 2013 EC_{103}	16.5	X	142.98813	116.34099	131.91028	10.64999	0.1943659	0.17899363	3.1182505	21	11 25.1	21.9
404288 2013 EM_{105}	17.9	X	48.69911	33.97390	171.37414	6.29383	0.0663658	0.26508601	2.4000015	21	6 1.9	20.7
404289 2013 EN_{106}	16.9	X	308.92387	111.45213	74.94090	5.70442	0.0759278	0.22002174	2.7174339	21	—	—
404290 2013 EY_{106}	16.3	X	259.52573	165.48671	117.87630	11.97857	0.1368284	0.23294559	2.6159718	21	2 8.7	20.3
404291 2013 ED_{107}	16.8	X	346.51098	126.22448	88.71197	10.31466	0.1179375	0.24193714	2.5507488	21	3 6.8	19.9
404292 2013 EO_{107}	17.1	X	312.45002	134.87308	109.59006	4.52244	0.0379121	0.24089458	2.5581030	21	3 5.5	20.5
404293 2013 EM_{108}	16.0	X	288.15728	344.69105	111.85572	11.26894	0.0478476	0.18863625	3.0110591	21	11 10.7	20.2
404294 2013 EH_{109}	16.6	X	220.72523	154.80820	91.90085	5.02657	0.0494221	0.21059773	2.7979090	21	—	—
404295 2013 EL_{109}	16.8	X	96.50591	83.12400	2.08904	4.93854	0.0299635	0.23809779	2.5780964	21	2 23.2	20.2
404296 2013 EC_{110}	17.6	X	272.86138	134.52508	64.51290	2.90388	0.1566973	0.21266039	2.7797878	21	—	—
404297 2013 EQ_{111}	16.5	X	269.57190	119.58373	90.30043	4.80386	0.0346265	0.21406708	2.7675967	21	—	—
404298 2013 EP_{113}	17.0	X	333.68034	126.23577	49.78378	5.16520	0.1492408	0.22728550	2.6592239	21	—	—
404299 2013 ET_{113}	17.5	X	355.15534	73.31051	102.95302	3.62092	0.1462951	0.23455378	2.6040007	21	1 19.4	20.3
404300 2013 EV_{113}	17.2	X	52.86583	107.19496	150.25879	6.89480	0.0796298	0.27716229	2.3297713	21	8 27.3	19.7
404301 2013 EE_{115}	17.6	X	44.44398	35.81911	196.19775	1.25679	0.1385743	0.27319049	2.3522980	21	7 14.4	20.0
404302 2013 EZ_{115}	17.3	X	193.06463	264.63118	36.34317	5.32535	0.0970757	0.22029099	2.7152191	21	—	—
404303 2013 EH_{119}	16.8	X	18.08464	284.66710	337.10338	5.49723	0.1268871	0.26374364	2.4081381	21	7 9.7	19.1
404304 2013 EF_{120}	17.1	X	230.55784	78.33842	178.93502	7.05877	0.1487038	0.21503626	2.7592745	21	—	—
404305 2013 EV_{120}	17.7	X	214.82982	157.99211	292.32959	2.04861	0.1263677	0.28137096	2.3064809	21	7 25.5	20.7
404306 2013 EC_{121}	18.3	X	132.69164	291.99705	225.42932	0.90868	0.1210444	0.27332067	2.3515510	21	7 27.3	21.5
404307 2013 EJ_{121}	17.0	X	261.94199	230.33239	3.32019	3.81562	0.0607631	0.21928231	2.7235393	21	—	—
404308 2013 EV_{122}	16.7	X	322.06891	302.92922	8.81797	3.76853	0.1883588	0.26224588	2.4172984	21	5 24.8	19.3
404309 2013 EJ_{123}	17.7	X	85.64275	95.46106	164.80871	2.52342	0.1251419	0.28928029	2.2642454	21	10 23.9	20.6
404310 2013 EY_{124}	16.6	X	158.07123	212.84082	43.74870	4.96968	0.1231648	0.19011864	2.9953869	21	12 15.6	21.3
404311 2013 EQ_{126}	16.2	X	204.24108	235.57987	39.40227	9.99195	0.1439003	0.21138085	2.7909943	21	—	—
404312 2013 EN_{127}	17.9	X	50.93740	345.94623	181.75523	4.94557	0.1382004	0.25263777	2.4782048	21	4 20.1	20.3
404313 2013 EQ_{127}	17.3	X	313.22676	6.88169	206.20691	2.28050	0.0783957	0.22699848	2.6614650	21	1 19.1	20.8
404314 2013 ET_{127}	16.2	X	338.53409	282.05300	296.46148	11.92973	0.1155011	0.24013894	2.5634665	21	2 18.0	19.4
404315 2013 EG_{134}	17.4	X	227.14872	140.08840	127.68759	4.03836	0.0414978	0.21530545	2.7569742	21	—	—
404316 2013 FA_2	17.3	X	66.27019	263.14925	79.52232	7.13491	0.2408827	0.31073136	2.1588012	21	—	—
404317 2013 FU_2	16.8	X	128.35734	47.63964	57.09186	15.21272	0.0190512	0.25847599	2.4407460	21	4 30.9	19.9
404318 2013 FH_4	16.6	X	82.71781	9.83931	91.68088	9.00484	0.0279981	0.23931454	2.5693504	21	2 28.2	20.0
404319 2013 FP_5	17.3	X	70.42186	123.64610	82.00234	7.97133	0.0537644	0.26912464	2.3759305	21	7 3.7	20.2
404320 2013 FH_7	16.5	X	225.28123	217.32780	52.71430	5.55227	0.1283214	0.21500550	2.7595377	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404321 2013 FT_9	17.4	X	115.22281	134.61091	3.97160	9.45474	0.1404460	0.26431109	2.4046902	21	6 12.3	20.9
404322 2013 FN_{10}	17.2	X	45.40137	64.99889	187.81313	1.12994	0.1562781	0.27015791	2.3698686	21	8 20.2	19.7
404323 2013 FY_{11}	16.7	X	196.16939	244.34721	47.02899	8.40169	0.2061627	0.21453981	2.7635296	21	—	—
404324 2013 FH_{12}	17.3	X	89.45516	43.05330	124.52033	6.93991	0.0658216	0.26282302	2.4137583	21	6 9.4	20.3
404325 2013 FR_{12}	17.3	X	100.55583	72.07586	56.57066	7.06242	0.1368737	0.25335043	2.4735553	21	5 12.2	20.5
404326 2013 FA_{13}	17.3	X	340.67526	78.07959	114.95854	12.47016	0.1403221	0.23493545	2.6011797	21	1 20.1	20.3
404327 2013 FY_{14}	16.6	X	319.71045	100.59213	149.95112	12.90817	0.1525650	0.24139161	2.5545904	21	3 5.1	19.8
404328 2013 FZ_{16}	17.4	X	10.36648	143.49282	155.26154	5.78786	0.1072100	0.27348394	2.3506150	21	8 19.9	19.6
404329 2013 FD_{17}	17.5	X	59.85632	111.99973	127.62617	7.47576	0.0737477	0.26968217	2.3726548	21	8 10.5	20.2
404330 2013 FP_{17}	16.8	X	174.25441	69.54356	173.20385	3.28640	0.2048471	0.18914743	3.0056317	21	12 11.8	22.0
404331 2013 FY_{18}	17.1	X	354.69173	144.21299	72.29505	7.36524	0.1073714	0.24791904	2.5095516	21	3 21.8	19.9
404332 2013 FA_{19}	16.7	X	319.40810	223.25291	14.27577	5.63227	0.0749427	0.23911647	2.5707690	21	2 28.5	19.9
404333 2013 FD_{20}	17.5	X	22.14534	152.20381	168.42240	7.13442	0.1428590	0.28503770	2.2866578	21	10 24.0	19.8
404334 2013 FR_{20}	17.0	X	233.13418	90.06703	176.53561	7.69818	0.1886932	0.21455494	2.7633997	21	—	—
404335 2013 FT_{20}	16.8	X	250.11547	213.98449	34.04252	5.51480	0.0699501	0.21844578	2.7304881	21	—	—
404336 2013 FW_{20}	17.9	X	186.93718	105.60686	18.92345	7.29355	0.0505090	0.28020312	2.3128852	21	8 17.1	21.0
404337 2013 FX_{20}	17.1	X	233.75610	233.56099	52.86438	1.83977	0.1231997	0.22379221	2.6868252	21	1 20.0	21.2
404338 2013 FZ_{20}	17.6	X	324.59678	87.85542	156.19342	0.96151	0.0794765	0.24180331	2.5516899	21	3 13.5	20.8
404339 2013 FB_{21}	16.8	X	206.06913	281.17892	21.10107	5.04492	0.1412724	0.21837041	2.7311162	21	1 14.8	21.3
404340 2013 FN_{21}	17.9	X	239.52293	316.40226	182.21967	6.15141	0.0451014	0.30150561	2.2026177	21	11 17.3	20.4
404341 2013 FW_{22}	17.5	X	101.24718	242.13323	7.51793	6.37301	0.0362545	0.29121158	2.2542234	21	10 16.8	20.2
404342 2013 FO_{23}	16.5	X	140.80074	207.24214	26.59528	1.23793	0.1401898	0.17615537	3.1516558	21	11 2.5	21.4
404343 2013 FN_{24}	16.5	X	155.19708	189.26359	32.59875	1.82145	0.1295989	0.17852717	3.1236797	21	11 1.6	21.6
404344 2013 FP_{24}	16.9	X	255.07326	38.86260	188.75240	2.50560	0.0354856	0.21485366	2.7608377	21	—	—
404345 2013 FT_{26}	16.8	X	211.10693	238.55118	28.20155	4.99844	0.0342528	0.21391249	2.7689299	21	—	—
404346 2013 GW_1	17.2	X	251.77320	16.83003	281.50287	2.80350	0.1579439	0.23244815	2.6197026	21	2 15.8	21.2
404347 2013 GV_3	17.3	X	250.96650	253.87848	8.72224	9.09329	0.1585209	0.22238490	2.6981485	21	1 7.5	21.7
404348 2013 GK_4	17.6	X	143.38977	90.80709	106.70416	3.90040	0.0507762	0.29020844	2.2594151	21	10 2.9	20.6
404349 2013 GW_6	16.2	X	216.80923	145.11738	152.15454	25.76577	0.1196791	0.21973890	2.7197653	21	1 17.1	20.8
404350 2013 GO_7	16.3	X	177.10717	238.04450	78.81042	7.27541	0.2755663	0.20986716	2.8043985	21	1 14.1	21.3
404351 2013 GH_9	17.4	X	236.83864	72.80981	188.89033	3.64208	0.0753513	0.21993933	2.7181126	21	—	—
404352 2013 GR_{10}	16.6	X	193.24058	253.88653	29.12466	9.48071	0.1436234	0.20612464	2.8382422	21	—	—
404353 2013 GL_{11}	17.6	X	139.02788	189.14133	284.53713	1.18792	0.1486197	0.26427127	2.4049317	21	6 7.4	21.0
404354 2013 GV_{11}	17.7	X	64.57571	258.57409	276.02390	1.43080	0.1494572	0.25534448	2.4606607	21	5 25.3	20.4
404355 2013 GH_{12}	17.3	X	140.82726	329.94238	207.40139	3.35745	0.1080070	0.28007736	2.3135775	21	8 30.9	20.7
404356 2013 GP_{14}	16.9	X	289.56716	151.59991	76.54191	11.92229	0.1201871	0.22652555	2.6651680	21	1 5.2	20.9
404357 2013 GT_{15}	17.8	X	58.37024	356.74002	167.52828	2.79299	0.1469976	0.25388823	2.4700609	21	4 29.7	20.2
404358 2013 GS_{17}	16.2	X	166.91563	66.84881	162.56937	27.19337	0.2830200	0.17637166	3.1490786	21	11 22.8	22.3
404359 2013 GP_{19}	17.8	X	161.65163	326.16604	132.23750	7.37997	0.0640762	0.26560975	2.3968455	21	6 7.3	21.1
404360 2013 GL_{20}	17.7	X	114.96398	15.07296	176.85663	5.82346	0.0506779	0.27577498	2.3375781	21	8 14.5	20.6
404361 2013 GP_{20}	18.0	X	271.40476	292.44251	153.43198	5.16376	0.1058213	0.29595597	2.2300674	21	10 9.3	20.3
404362 2013 GT_{20}	16.4	X	221.09069	111.49751	172.37842	12.01290	0.2141005	0.21388798	2.7691414	21	1 5.1	21.4
404363 2013 GW_{20}	17.1	X	334.28780	127.91267	36.84572	7.37562	0.1410032	0.22291555	2.6938649	21	—	—
404364 2013 GX_{20}	17.2	X	302.45940	26.64412	157.31156	5.01157	0.0311315	0.21627373	2.7487392	21	—	—
404365 2013 GJ_{21}	16.8	X	262.61281	345.91901	316.57935	4.32289	0.1411117	0.23379780	2.6096110	21	3 4.4	20.8
404366 2013 GA_{22}	16.5	X	114.00328	243.96628	25.53497	0.98502	0.1518504	0.17678329	3.1441885	21	11 20.3	21.6
404367 2013 GN_{22}	17.0	X	260.03334	277.73109	27.25574	2.24386	0.0578328	0.23870516	2.5737213	21	3 14.3	20.6
404368 2013 GM_{25}	17.0	X	269.75944	347.75276	328.95913	5.27277	0.3292063	0.23719432	2.5846388	21	3 11.8	21.5
404369 2013 GC_{26}	17.2	X	163.74930	28.11469	82.43504	7.29207	0.0632633	0.27301163	2.3533252	21	6 25.5	20.2
404370 2013 GD_{26}	17.2	X	348.62062	168.49358	7.16479	5.19638	0.0635000	0.23048929	2.6345243	21	1 21.9	20.5
404371 2013 GF_{26}	17.6	X	354.15362	199.71415	10.23786	4.33644	0.1287636	0.24195083	2.5506526	21	3 6.8	20.4
404372 2013 GO_{26}	17.5	X	7.04053	91.76531	67.74184	6.93548	0.1295987	0.23161423	2.6259869	21	1 20.4	20.4
404373 2013 GL_{27}	16.6	X	242.82583	111.39012	177.77004	12.91019	0.1699557	0.22391919	2.6858093	21	1 27.1	21.1
404374 2013 GF_{29}	16.3	X	328.42739	65.79437	165.49192	13.55689	0.1366645	0.23865667	2.5740699	21	2 20.5	19.5
404375 2013 GR_{29}	17.4	X	61.09372	22.00631	204.78178	6.30436	0.0863393	0.26879951	2.3778461	21	7 24.0	20.3
404376 2013 GC_{31}	16.7	X	124.97942	207.46615	212.64096	5.57970	0.0283350	0.23658914	2.5890445	21	2 24.4	20.3
404377 2013 GV_{31}	17.1	X	2.09447	210.84564	1.64493	2.55195	0.0664709	0.24398901	2.5364280	21	3 27.9	19.8
404378 2013 GM_{32}	17.1	X	303.55112	359.58827	164.00667	4.59989	0.1400622	0.21167311	2.7884247	21	—	—
404379 2013 GB_{33}	16.5	X	132.56858	296.10494	349.90851	4.47637	0.2621838	0.18292407	3.0734216	21	12 28.9	22.0
404380 2013 GH_{36}	16.9	X	69.20511	112.49754	14.73458	6.07295	0.0706449	0.24077697	2.5589360	21	3 17.6	19.8
404381 2013 GG_{38}	17.4	X	171.36443	90.78173	34.76488	7.10109	0.0812707	0.27495809	2.3422058	21	7 28.7	20.7
404382 2013 GK_{39}	16.7	X	221.45805	133.32546	121.48691	5.36954	0.0203126	0.21059668	2.7979183	21	—	—
404383 2013 GL_{39}	16.6	X	21.51486	38.51798	122.98686	5.77284	0.1153378	0.23547717	2.5971887	21	2 17.2	19.2
404384 2013 GP_{39}	16.4	X	245.27156	256.79462	4.79397	25.43472	0.2355550	0.21968047	2.7202475	21	—	—
404385 2013 GB_{43}	17.7	X	169.08073	278.64005	187.32303	5.26825	0.1590410	0.26979155	2.3720135	21	6 28.0	21.4
404386 2013 GF_{43}	16.7	X	8.71125	131.37870	34.29195	5.21242	0.1231749	0.23275031	2.6174348	21	2 1.9	19.6
404387 2013 GN_{43}	16.4	X	211.53844	142.76610	42.59786	6.02092	0.1197676	0.18601763	3.0392516	21	11 13.0	20.9
404388 2013 GE_{44}	17.2	X	222.34398	166.89935	106.01522	4.44634	0.0547247	0.21467098	2.7624037	21	—	—
404389 2013 GX_{44}	16.8	X	28.02887	143.01931	35.53382	8.01959	0.1325655	0.24096523	2.5576029	21	3 26.3	19.4
404390 2013 GQ_{45}	17.1	X	49.23606	106.04623	98.95645	5.33078	0.1291336	0.26022909	2.4297718	21	6 10.3	19.6
404391 2013 GC_{46}	17.1	X	289.08768	137.80587	76.92674	4.69544	0.1123255	0.22069528	2.7119022	21	—	—
404392 2013 GR_{47}	16.8	X	203.08218	192.95644	78.37243	5.19059	0.0663270	0.20943305	2.8082724	21	—	—
404393 2013 GY_{47}	16.8	X	232.91739	168.80812	88.55413	6.46245	0.0191644	0.21655171	2.7463864	21	—	—
404394 2013 GW_{48}	17.0	X	217.10347	287.90313	61.83154	3.37166	0.0713952	0.24135427	2.5548538	21	3 21.9	20.6
404395 2013 GB_{49}	17.0	X	123.71356	259.23663	57.56444	2.64969	0.0422924	0.19937799	2.9019143	21	—	—
404396 2013 GH_{52}	16.4	X	197.34831	60.98764	126.16435	10.77019	0.0829040	0.17743872	3.1364409	21	11 7.0	21.3
404397 2013 GV_{52}	16.3	X	151.80436	181.94521	62.52918	6.46003	0.0739461	0.18164727	3.0878069	21	11 24.9	20.9
404398 2013 GW_{53}	17.2	X	268.13677	117.86464	135.91246	3.63706	0.0547860	0.22237536	2.6982257	21	1 20.3	21.0
404399 2013 GF_{54}	17.0	X	248.48198	97.45561	160.13236	4.43855	0.0860470	0.21651349	2.7467096	21	1 2.2	21.2
404400 2013 GD_{56}	16.3	X	102.74791	235.79875	49.34812	5.45796	0.1800722	0.17724959	3.1386717	21	11 29.9	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404401 2013 GO_{56}	16.8	X	216.32608	182.82866	92.07022	6.10438	0.1274379	0.21332408	2.7740192	21	—	—
404402 2013 GW_{56}	16.4	X	237.71228	108.44396	181.91706	14.66937	0.1761210	0.22432023	2.6826072	21	1 23.6	21.1
404403 2013 GW_{57}	17.1	X	185.90156	259.71976	40.21621	6.51161	0.0145363	0.21551303	2.7552036	21	—	—
404404 2013 GS_{58}	17.2	X	169.21833	103.50812	42.69399	1.60136	0.1390246	0.28215325	2.3022157	21	8 22.1	20.7
404405 2013 GR_{59}	17.2	X	228.82609	351.64478	19.52357	8.45900	0.1431139	0.25280083	2.4771390	21	4 23.8	21.1
404406 2013 GV_{59}	17.5	X	34.98978	326.30949	187.12842	3.45289	0.1771459	0.24056970	2.5604055	21	2 27.9	19.7
404407 2013 GR_{60}	17.3	X	70.86670	286.76855	201.65470	3.62764	0.1046025	0.24278244	2.5448247	21	3 23.9	20.2
404408 2013 GZ_{60}	16.6	X	147.78651	163.62537	82.42536	2.46690	0.1400126	0.18072657	3.0982851	21	11 23.6	21.5
404409 2013 GW_{61}	16.8	X	50.59440	57.83031	54.06651	2.69149	0.0278474	0.22840206	2.6505502	21	1 27.9	20.1
404410 2013 GD_{62}	17.4	X	130.43895	351.45551	79.57170	2.15829	0.0629201	0.24244965	2.5471529	21	3 25.2	20.8
404411 2013 GG_{65}	17.9	X	257.53408	296.25290	151.03480	6.66850	0.0727109	0.29044596	2.2581831	21	9 24.6	20.4
404412 2013 GN_{67}	17.7	X	80.08178	121.13502	46.12034	3.56492	0.1193556	0.25764600	2.4459849	21	6 2.9	20.7
404413 2013 GV_{70}	16.8	X	204.45715	213.82027	5.34095	2.03011	0.1902949	0.19100245	2.9861395	21	12 10.4	21.7
404414 2013 GL_{71}	16.6	X	269.61438	64.23748	182.37785	7.52061	0.1302835	0.21889266	2.7267705	21	1 6.2	20.8
404415 2013 GQ_{72}	16.0	X	95.24239	277.72770	26.23760	8.94621	0.0622101	0.17988985	3.1078851	21	12 3.2	20.6
404416 2013 GR_{73}	16.3	X	165.87660	117.20325	122.05776	11.12416	0.0510776	0.17760657	3.1344646	21	12 4.9	21.1
404417 2013 GG_{75}	17.5	X	278.62790	90.69729	120.39280	0.92844	0.0142545	0.21470517	2.7621105	21	—	—
404418 2013 GA_{77}	17.2	X	170.09310	55.83639	60.14134	6.51461	0.1703650	0.26990481	2.3713499	21	7 13.6	21.0
404419 2013 GF_{79}	16.2	X	174.98304	42.73850	164.47134	10.99268	0.1530743	0.17941006	3.1134234	21	11 4.8	21.4
404420 2013 GP_{81}	16.0	X	133.93542	173.20106	95.71683	7.54818	0.1499954	0.18063324	3.0993523	21	12 8.2	21.0
404421 2013 GT_{82}	16.4	X	11.94429	16.41745	124.34025	5.47933	0.0170616	0.21433216	2.7653143	21	1 15.4	20.2
404422 2013 GG_{86}	15.8	X	80.08413	184.11443	118.37542	12.51580	0.0379763	0.17436161	3.1732343	21	11 16.1	20.5
404423 2013 GP_{88}	16.7	X	265.52432	227.24907	81.71006	7.24857	0.1609832	0.23674834	2.5878837	21	3 18.3	20.7
404424 2013 GF_{89}	17.5	X	290.74192	133.96930	127.43207	3.49015	0.1392705	0.23491919	2.6012997	21	2 13.1	21.2
404425 2013 GH_{90}	17.0	X	351.74670	10.30981	176.63799	7.68111	0.1131832	0.22529724	2.6748461	21	2 2.2	20.3
404426 2013 GN_{91}	15.8	X	215.44618	295.55823	306.78900	11.03859	0.2381038	0.20168984	2.8796964	21	—	—
404427 2013 GE_{92}	16.8	X	344.13117	192.34897	11.47535	7.09773	0.2563810	0.23224881	2.6212014	21	1 24.3	19.9
404428 2013 GX_{92}	16.7	X	25.36530	149.85324	21.09305	9.22914	0.1011622	0.23851217	2.5751094	21	3 11.4	19.5
404429 2013 GW_{93}	16.9	X	277.86252	46.74588	190.42418	4.75614	0.1662220	0.22035421	2.7146998	21	—	—
404430 2013 GZ_{93}	16.2	X	132.75431	187.71477	48.81361	2.79101	0.1476545	0.17472364	3.1688495	21	10 29.9	21.3
404431 2013 GA_{94}	16.4	X	334.09907	111.71042	38.66012	6.15114	0.0794669	0.21802099	2.7340335	21	—	—
404432 2013 GX_{94}	16.7	X	281.91931	276.03736	8.72177	1.14391	0.1575108	0.23425788	2.6061930	21	3 2.3	20.5
404433 2013 GX_{95}	16.1	X	203.07155	140.69717	78.65324	6.34808	0.1626039	0.18908981	3.0062422	21	12 11.5	20.9
404434 2013 GA_{96}	16.8	X	36.80734	183.68285	113.88058	7.16337	0.1295284	0.27389882	2.3482407	21	10 11.9	19.5
404435 2013 GV_{96}	16.0	X	169.00787	179.07293	64.33422	6.62536	0.1135579	0.18078165	3.0976558	21	12 9.4	20.9
404436 2013 GQ_{97}	15.9	X	129.94793	238.55099	30.17132	5.25082	0.0983556	0.17809180	3.1287686	21	11 30.9	20.8
404437 2013 GJ_{98}	17.3	X	155.11074	339.21696	162.01347	6.41499	0.0510237	0.27242626	2.3566951	21	7 26.2	20.4
404438 2013 GM_{98}	16.6	X	145.06918	98.58697	155.32182	2.38150	0.1759103	0.17989124	3.1078691	21	11 30.8	21.8
404439 2013 GS_{98}	17.3	X	70.77475	93.50508	135.66606	3.51936	0.1104011	0.26834633	2.3805224	21	8 17.4	20.1
404440 2013 GZ_{98}	15.9	X	221.34434	198.78182	104.93883	13.85798	0.1296732	0.21839206	2.7309358	21	1 30.4	20.3
404441 2013 GF_{101}	16.7	X	224.10811	89.25365	77.11497	1.27369	0.2257114	0.18399331	3.0615030	21	10 24.4	21.5
404442 2013 GT_{101}	15.7	X	127.78755	252.07671	69.70805	12.39151	0.1972333	0.18781219	3.0198604	21	—	—
404443 2013 GL_{102}	16.7	X	321.52467	105.31622	99.33737	6.73690	0.1263999	0.22934396	2.6432881	21	1 12.3	20.2
404444 2013 GR_{102}	17.0	X	279.62831	99.14048	166.77128	7.66830	0.0729001	0.23318969	2.6141459	21	2 13.0	20.8
404445 2013 GU_{102}	17.3	X	327.96968	100.08226	143.39761	2.08209	0.0281106	0.24199775	2.5503229	21	3 25.4	20.6
404446 2013 GC_{103}	16.9	X	348.45620	105.95221	161.46909	4.18393	0.0616491	0.25752501	2.4467510	21	5 24.3	19.7
404447 2013 GL_{103}	17.6	X	162.41552	153.78635	354.51979	4.43393	0.0933992	0.27940069	2.3173114	21	8 17.7	20.8
404448 2013 GD_{104}	16.5	X	345.76626	148.44634	65.89214	12.69786	0.1333466	0.23572726	2.5953515	21	3 6.0	19.8
404449 2013 GD_{105}	17.2	X	93.74673	68.39964	80.64079	6.84158	0.1594064	0.25717878	2.4489465	21	6 3.8	20.4
404450 2013 GK_{107}	17.4	X	150.37417	28.54324	149.23420	5.49268	0.1058897	0.28172920	2.3045253	21	9 13.4	20.5
404451 2013 GN_{107}	17.5	X	58.60534	33.73041	173.52632	6.04973	0.0908941	0.26025949	2.4295826	21	6 23.5	20.4
404452 2013 GM_{110}	16.0	X	174.51234	186.00803	37.14272	7.56675	0.2098003	0.17865186	3.1222261	21	11 17.4	21.3
404453 2013 GN_{110}	16.4	X	301.31674	292.71962	37.57976	7.12697	0.1145103	0.25594844	2.4567882	21	5 30.5	19.3
404454 2013 GS_{110}	15.9	X	168.92561	136.67305	96.29525	12.00063	0.0938144	0.17990602	3.1076988	21	11 29.8	20.8
404455 2013 GB_{111}	16.9	X	22.82774	48.40722	138.39865	4.09556	0.1160195	0.24113563	2.5563980	21	3 27.2	19.5
404456 2013 GA_{113}	17.1	X	54.38051	74.24418	95.99792	5.14574	0.0940509	0.24589288	2.5233185	21	4 26.8	19.9
404457 2013 GV_{114}	17.0	X	2.93181	90.21509	165.22428	15.72066	0.0854106	0.25855875	2.4402251	21	6 1.1	20.0
404458 2013 GB_{116}	16.1	X	155.37096	169.44995	53.71173	11.56686	0.0568583	0.17719761	3.1392854	21	11 4.1	20.7
404459 2013 GL_{117}	16.9	X	170.97950	306.03761	40.58835	5.53588	0.0580979	0.22526768	2.6750801	21	1 27.9	20.7
404460 2013 GN_{117}	16.7	X	130.08394	124.97134	152.74597	2.80348	0.1257926	0.18563722	3.0434022	21	12 14.5	21.5
404461 2013 GR_{120}	16.6	X	354.97059	76.01051	68.83525	2.86289	0.0130103	0.21917422	2.7244347	21	—	—
404462 2013 GZ_{120}	17.3	X	256.49405	240.57073	119.72645	1.91209	0.1891673	0.25381370	2.4705445	21	5 5.9	21.1
404463 2013 GD_{121}	17.3	X	289.64109	215.43418	42.55621	3.03049	0.0512143	0.23284279	2.6167417	21	2 20.5	20.8
404464 2013 GG_{123}	16.2	X	149.13921	199.66813	69.89587	5.98678	0.1072505	0.18417655	3.0594721	21	12 21.8	21.1
404465 2013 GK_{123}	17.7	X	165.88417	333.61636	168.92522	5.61858	0.0703775	0.27387177	2.3483953	21	8 11.0	21.0
404466 2013 GJ_{124}	16.8	X	135.21619	282.54992	20.26845	1.89063	0.0577361	0.19577436	2.9374163	21	—	—
404467 2013 GQ_{124}	17.2	X	194.31215	276.68042	35.52634	4.26471	0.0521993	0.21740254	2.7392162	21	1 11.8	21.2
404468 2013 GH_{126}	16.0	X	192.96353	20.40792	199.06286	9.75507	0.0806970	0.18112397	3.0937515	21	12 7.7	20.8
404469 2013 GR_{126}	17.0	X	327.01122	41.44256	92.13929	6.04452	0.1031961	0.20654332	2.8344053	21	—	—
404470 2013 GU_{128}	16.3	X	251.53281	178.01468	93.71179	10.19012	0.1033145	0.22713926	2.6603651	21	1 20.5	20.3
404471 2013 GB_{131}	17.4	X	153.19829	61.66744	97.06537	7.31555	0.0720550	0.28044538	2.3115530	21	8 22.2	20.6
404472 2013 GZ_{134}	15.9	X	126.47511	196.35704	119.72514	9.58694	0.1779482	0.18426572	3.0584849	21	—	—
404473 2013 GH_{135}	16.8	X	255.47146	162.66436	79.39068	4.68088	0.0417672	0.21395877	2.7685306	21	—	—
404474 2013 GT_{135}	16.3	X	127.03245	335.15260	49.34292	9.52838	0.0935936	0.21914276	2.7246954	21	1 30.5	20.2
404475 2013 GD_{136}	16.0	X	150.32352	199.13840	73.58955	13.50738	0.0548595	0.18311798	3.0712516	21	12 26.2	20.6
404476 2013 GG_{136}	17.0	X	246.53994	208.50323	77.49711	5.90014	0.1566289	0.22050164	2.7134897	21	1 31.4	21.4
404477 2013 GL_{136}	16.1	X	167.79106	148.10579	78.29471	18.19534	0.0666561	0.18082305	3.0971829	21	11 22.7	20.8
404478 2013 HG_{2}	15.7	X	102.95446	133.87037	167.88030	10.96913	0.0995817	0.17807757	3.1289351	21	12 14.2	20.6
404479 2013 HL_{4}	16.1	X	175.05115	93.47068	116.76506	11.71130	0.1764687	0.18170762	3.0871232	21	11 9.4	21.4
404480 2013 HB_{5}	16.0	X	210.37793	126.29676	159.66726	13.96824	0.1361140	0.21129934	2.7917120	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404481 2013 HW_8	16.7	X	312.09650	82.15117	111.46186	13.86148	0.1514285	0.21959139	2.7209831	21	—	—
404482 2013 HH_9	17.0	X	352.48906	200.83262	91.97901	7.76561	0.1665786	0.26511748	2.3998116	21	7 3.8	18.9
404483 2013 HX_{12}	16.8	X	255.99179	0.65223	230.03032	1.71445	0.1228898	0.21212100	2.7844981	21	—	—
404484 2013 HH_{16}	16.5	X	150.83073	75.22911	174.25703	4.76557	0.2127044	0.17917537	3.1161415	21	11 30.8	21.9
404485 2013 HL_{16}	16.1	X	218.98273	95.67521	77.34604	11.42914	0.1373604	0.18149447	3.0895397	21	11 7.1	20.9
404486 2013 HD_{18}	16.4	X	357.17368	69.50491	92.71233	14.35424	0.0855009	0.22698163	2.6615967	21	1 13.7	19.7
404487 2013 HP_{18}	16.0	X	75.71548	263.49880	25.92816	4.77775	0.0901568	0.16968901	3.2312229	21	10 28.0	20.6
404488 2013 HK_{20}	15.9	X	125.83170	114.30274	139.07018	25.65687	0.1948878	0.17225775	3.1990193	21	11 21.4	21.7
404489 2013 HF_{23}	17.4	X	153.81435	191.48718	3.46947	5.36372	0.0934201	0.28591189	2.2819944	21	10 8.8	20.6
404490 2013 HS_{23}	16.4	X	47.20160	35.71471	115.91921	9.62321	0.1320818	0.23868555	2.5738623	21	3 25.9	19.2
404491 2013 HH_{24}	17.2	X	356.88246	342.67811	234.62510	1.93131	0.0325763	0.23955505	2.5676303	21	3 29.2	20.3
404492 2013 HL_{24}	15.7	X	117.15135	280.85563	36.09622	10.15535	0.0756368	0.18998315	2.9968108	21	—	—
404493 2013 HH_{26}	17.0	X	155.52032	206.86973	217.67954	2.92684	0.0851656	0.24719323	2.5144616	21	4 16.6	20.4
404494 2013 HK_{26}	16.9	X	70.17566	159.43258	358.96195	2.42312	0.0630294	0.24721483	2.5143151	21	4 27.5	19.8
404495 2013 HA_{28}	16.0	X	209.44635	93.62442	62.78661	16.28752	0.0409534	0.17257442	3.1951047	21	10 19.8	20.8
404496 2013 HU_{28}	15.9	X	201.34861	104.95902	95.73669	11.10969	0.0115860	0.18137931	3.0908473	21	12 1.7	20.4
404497 2013 HT_{29}	16.9	X	346.45216	211.52907	280.66434	5.18739	0.0051591	0.21182599	2.7870829	21	—	—
404498 2013 HN_{30}	17.1	X	70.66055	310.72776	257.58364	5.03390	0.0835848	0.26450106	2.4035386	21	7 12.2	20.0
404499 2013 HK_{31}	16.6	X	131.15553	104.43683	279.50126	5.64519	0.0311222	0.22335503	2.6903300	21	1 21.4	20.2
404500 2013 HA_{32}	17.6	X	137.78464	209.82012	270.03010	5.23456	0.1439298	0.26285977	2.4135333	21	6 14.1	21.2
404501 2013 HD_{33}	17.0	X	175.65824	345.33532	323.22246	5.07532	0.0322359	0.21184533	2.7869132	21	—	—
404502 2013 HF_{36}	17.1	X	148.96917	42.78861	320.04604	5.22237	0.0622300	0.22064950	2.7122773	21	1 22.7	20.9
404503 2013 HG_{36}	16.5	X	196.06479	300.33966	311.32130	4.98296	0.0408811	0.19922308	2.9034183	21	—	—
404504 2013 HL_{36}	17.1	X	222.15252	61.97962	253.40643	7.00951	0.1041670	0.22626935	2.6671794	21	2 9.4	21.3
404505 2013 HU_{41}	17.0	X	158.40510	287.04366	325.15307	3.80211	0.0912262	0.18511711	3.0491001	21	12 10.6	21.8
404506 2013 HV_{41}	16.8	X	152.72713	259.66053	7.54175	8.47093	0.0574067	0.18862774	3.0111496	21	12 23.8	21.4
404507 2013 HX_{41}	16.5	X	84.22829	315.94906	355.52206	5.61080	0.1644406	0.17601851	3.1532894	21	12 11.4	21.5
404508 2013 HB_{48}	17.0	X	217.82897	29.66204	250.91155	2.97295	0.0682897	0.21372873	2.7705167	21	—	—
404509 2013 HF_{48}	17.4	X	210.40722	342.85716	349.96399	4.32319	0.1193428	0.22698662	2.6615576	21	2 22.3	21.6
404510 2013 HO_{50}	17.1	X	319.66371	327.86464	330.10319	5.19094	0.1023770	0.25217235	2.4812532	21	5 13.8	20.1
404511 2013 HY_{51}	17.1	X	259.77905	166.80290	352.44577	5.18341	0.0290240	0.19038451	2.9925975	21	12 19.8	21.3
404512 2013 HJ_{54}	16.6	X	0.71167	178.60155	358.90316	6.26600	0.0856561	0.23283446	2.6168041	21	2 8.6	19.7
404513 2013 HP_{54}	17.1	X	285.10249	42.39204	213.77143	11.83325	0.0975358	0.22974877	2.6401824	21	2 1.8	21.2
404514 2013 HY_{59}	15.7	X	108.93706	265.38100	9.96824	15.17479	0.0158550	0.17905869	3.1174951	21	11 6.5	20.3
404515 2013 HX_{60}	16.9	X	12.20492	200.75884	358.16542	4.18654	0.1183610	0.24248946	2.5468741	21	3 22.9	19.5
404516 2013 HV_{67}	16.8	X	217.26994	232.75875	322.07038	3.55152	0.0553389	0.18889624	3.0082956	21	12 7.8	21.2
404517 2013 HZ_{68}	18.3	X	232.64225	112.71619	311.34236	2.35368	0.1653983	0.27426406	2.3461555	21	7 5.9	21.5
404518 2013 HE_{78}	17.0	X	197.47020	313.20506	263.23370	1.37551	0.0520039	0.18837661	3.0138252	21	12 11.9	21.5
404519 2013 HP_{96}	17.4	X	207.34199	349.82338	30.98854	2.35962	0.1152955	0.24753638	2.5121372	21	4 17.2	21.0
404520 2013 HD_{97}	17.1	X	174.67642	252.38062	40.21825	2.49988	0.0451492	0.20559815	2.8430854	21	—	—
404521 2013 HR_{98}	17.0	X	167.17820	358.23785	220.42268	2.43162	0.0928728	0.17962376	3.1109536	21	11 9.7	21.9
404522 2013 HF_{102}	18.4	X	210.46586	83.71160	354.13554	1.52990	0.1440486	0.27200416	2.3591326	21	7 2.7	22.0
404523 2013 HA_{111}	17.8	X	185.32262	250.69706	204.67482	0.94262	0.1408128	0.26964608	2.3728665	21	6 30.2	21.4
404524 2013 HH_{111}	17.9	X	155.32266	79.29161	24.55820	2.48798	0.1422047	0.26271330	2.4144303	21	6 10.9	21.5
404525 2013 HN_{116}	17.9	X	345.26589	178.60182	199.96254	5.12056	0.1254199	0.29126706	2.2539372	21	11 10.9	19.9
404526 2013 HK_{119}	16.0	X	139.62632	213.73569	58.58338	4.74194	0.0980990	0.18461586	3.0546166	21	12 15.9	20.7
404527 2013 HP_{121}	17.3	X	215.33572	123.73680	174.10596	1.87568	0.0677181	0.21871648	2.7282346	21	1 16.2	21.2
404528 2013 HX_{123}	16.7	X	122.21786	8.97612	327.92574	8.13904	0.1054982	0.20139350	2.8825206	21	—	—
404529 2013 HK_{127}	16.9	X	187.58475	337.41186	0.00065	6.11030	0.0686594	0.22338672	2.6900756	21	2 5.1	20.8
404530 2013 HM_{128}	16.6	X	68.17137	97.59337	321.15229	5.35835	0.0537647	0.21330327	2.7741996	21	—	—
404531 2013 HX_{131}	17.3	X	209.85271	92.44059	238.60489	4.81715	0.2010194	0.22455087	2.6807700	21	2 17.3	21.9
404532 2013 HN_{135}	17.5	X	198.01497	354.72930	27.28304	3.97984	0.1616479	0.24252249	2.5466428	21	4 10.1	21.5
404533 2013 HB_{138}	17.7	X	304.51939	3.28897	16.91166	7.31212	0.1245073	0.27981070	2.3150471	21	8 23.4	20.1
404534 2013 HA_{142}	17.3	X	168.53552	131.97081	163.16935	2.19905	0.0448262	0.20327749	2.8646827	21	—	—
404535 2013 HY_{142}	16.7	X	159.98166	80.99696	126.58043	2.12394	0.1111515	0.17331484	3.1859983	21	10 20.8	21.7
404536 2013 JS_{1}	17.2	X	349.47084	9.53866	137.39739	5.67541	0.1940129	0.22230026	2.6988334	21	—	—
404537 2013 JH_{7}	15.7	X	311.58131	282.41571	247.01144	13.71776	0.0984121	0.20517571	2.8469866	21	—	—
404538 2013 JE_{13}	15.9	X	50.00039	251.27956	111.25015	8.21511	0.1662280	0.17452354	3.1712712	21	—	—
404539 2013 JP_{18}	16.2	X	214.71665	310.30747	211.16200	4.36330	0.0792582	0.17272243	3.1932792	21	10 21.5	21.0
404540 2013 JM_{19}	16.0	X	53.41581	330.28658	66.68866	9.54836	0.2107944	0.19025019	2.9940058	21	—	—
404541 2013 JL_{21}	15.8	X	107.89518	206.27960	137.75806	11.12761	0.1096656	0.18809593	3.0168227	21	—	—
404542 2013 JY_{22}	16.6	X	167.78266	268.85608	63.90140	7.08305	0.0388006	0.21212573	2.7844568	21	1 6.5	20.5
404543 2013 JM_{24}	16.8	X	182.91591	123.31951	129.01791	2.71765	0.0632014	0.19081115	2.9881351	21	—	—
404544 2013 JG_{25}	17.2	X	48.31801	309.03985	203.36724	2.09964	0.1430526	0.23785097	2.5798796	21	3 24.8	19.9
404545 2013 JC_{26}	16.1	X	257.38849	355.85516	140.48848	10.57935	0.0576111	0.17633587	3.1495048	21	11 16.0	20.7
404546 2013 JR_{26}	16.2	X	112.85332	93.23839	211.97301	2.48651	0.2548477	0.17550286	3.1594629	21	—	—
404547 2013 JL_{30}	16.2	X	332.94784	263.13815	233.96335	13.99520	0.1040393	0.20525885	2.8462177	21	—	—
404548 2013 JJ_{31}	16.3	X	152.09778	83.48895	154.05801	9.70380	0.0943011	0.17964531	3.1107048	21	11 19.5	21.3
404549 2013 JP_{31}	16.8	X	212.02137	36.09965	208.06818	1.40906	0.0457233	0.19534100	2.9417591	21	—	—
404550 2013 JY_{32}	15.8	X	38.61617	248.59821	147.53441	10.88850	0.0979033	0.18233439	3.0800445	21	—	—
404551 2013 JE_{35}	15.8	X	190.62223	91.32657	106.36584	17.25333	0.1940212	0.17831602	3.1261451	21	11 9.2	21.3
404552 2013 JX_{38}	15.8	X	95.22670	229.23361	101.68094	14.65041	0.1521617	0.17649402	3.1476231	21	—	—
404553 2013 JA_{40}	15.8	X	25.20065	271.17923	139.28779	10.32515	0.0526235	0.18336562	3.0684857	21	—	—
404554 2013 JR_{40}	15.7	X	246.28604	33.53187	114.46040	9.43962	0.1377950	0.17978715	3.1090685	21	11 6.7	20.3
404555 2013 JY_{40}	15.7	X	99.06559	232.95832	118.14529	5.78889	0.0897940	0.19088498	2.9873645	21	—	—
404556 2013 JC_{41}	16.6	X	268.30462	93.67199	113.49765	1.87699	0.0727126	0.20433666	2.8547748	21	—	—
404557 2013 JK_{42}	16.6	X	295.11022	162.60882	96.84029	9.69977	0.1684766	0.22634536	2.6665822	21	2 15.5	20.5
404558 2013 JT_{42}	16.2	X	121.62332	43.02199	248.86675	1.91609	0.1095423	0.17858229	3.1230369	21	12 20.9	21.1
404559 2013 JW_{43}	16.6	X	192.58048	226.08925	8.10133	2.61492	0.1956602	0.18811805	3.0165861	21	12 16.7	21.6
404560 2013 JB_{45}	16.7	X	249.92040	239.26838	87.12973	4.29832	0.0597773	0.23326406	2.6135902	21	3 31.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404561 2013 JL_{46}	16.2	X	274.29255	309.03281	205.47428	15.09992	0.0223558	0.18313254	3.0710888	21	12 29.6	20.8
404562 2013 JM_{47}	16.5	X	158.13801	160.39739	141.58787	10.15611	0.0601027	0.19479483	2.9472553	21	—	—
404563 2013 JO_{50}	15.5	X	95.87521	92.88383	223.95141	17.32103	0.1012135	0.18031962	3.1029449	21	12 22.7	20.4
404564 2013 JX_{50}	15.8	X	90.67762	253.56659	55.07584	16.51457	0.1385164	0.17415836	3.1757026	21	12 10.4	20.8
404565 2013 JK_{52}	17.2	X	168.80484	285.82238	43.85824	4.81764	0.1033923	0.21184185	2.7869438	21	1 10.3	21.4
404566 2013 JS_{53}	16.3	X	127.27833	187.67490	100.87630	2.08147	0.1456372	0.18185922	3.0854073	21	12 24.3	21.2
404567 2013 JB_{54}	16.9	X	101.40476	278.62153	143.90841	11.42905	0.1310715	0.22191474	2.7019581	21	2 17.1	20.2
404568 2013 JD_{54}	16.3	X	114.02895	162.39681	144.45010	10.19658	0.0829878	0.18166691	3.0875843	21	12 29.9	21.1
404569 2013 JV_{57}	16.6	X	107.45977	209.92340	125.90455	5.14171	0.1468466	0.18580253	3.0415967	21	—	—
404570 2013 JL_{59}	16.5	X	133.45255	236.02032	73.82807	2.33816	0.1258986	0.18962792	3.0005522	21	—	—
404571 2013 JQ_{59}	16.0	X	136.33778	200.03594	91.83216	4.45169	0.0904878	0.18628562	3.0363360	21	—	—
404572 2013 JX_{59}	16.2	X	127.10958	204.97060	106.11897	2.12781	0.1549749	0.18523361	3.0478214	21	—	—
404573 2013 JD_{60}	16.4	X	256.42495	84.64508	74.70664	1.12510	0.0724275	0.18737929	3.0245097	21	12 9.3	20.6
404574 2013 JE_{62}	17.7	X	76.18722	116.24092	62.85934	2.62310	0.1142893	0.25618705	2.4552625	21	6 13.7	20.7
404575 2013 JX_{62}	16.3	X	206.08559	177.08017	130.45501	10.48911	0.1403640	0.21198186	2.7857165	21	1 20.6	20.8
404576 2013 KH_{4}	16.5	X	171.77780	151.71562	94.92988	2.46417	0.2019127	0.18430635	3.0580354	21	12 13.5	21.5
404577 2013 KU_{9}	16.1	X	71.32761	263.93687	74.72884	10.79761	0.0586547	0.17665557	3.1457038	21	12 17.5	20.6
404578 2013 KG_{10}	16.5	X	197.74237	131.79128	77.92638	2.60940	0.1634650	0.18021992	3.1040892	21	11 24.5	21.4
404579 2013 KR_{10}	16.1	X	133.84605	45.18069	221.68357	3.73930	0.1578976	0.17366235	3.1817467	21	12 4.8	21.2
404580 2013 KU_{10}	15.7	X	195.09459	128.33554	72.87557	11.12577	0.1743339	0.17659247	3.1464530	21	11 13.1	20.8
404581 2013 KU_{11}	16.2	X	119.40505	135.58355	142.15503	2.53043	0.1004419	0.17013525	3.2255703	21	12 1.2	21.2
404582 2013 LW_{4}	16.3	X	195.86885	116.56797	91.39307	7.71242	0.1154229	0.17892695	3.1190252	21	11 24.9	21.1
404583 2013 LH_{8}	16.8	X	89.19183	256.73882	256.80647	2.18185	0.1373361	0.24621391	2.5211247	21	5 31.5	20.0
404584 2013 LG_{11}	15.6	X	192.00974	182.45561	98.95094	10.70421	0.1454348	0.19489542	2.9462412	21	—	—
404585 2013 LS_{18}	15.9	X	84.24602	282.05529	94.71257	13.37544	0.1643697	0.18681789	3.0305659	21	—	—
404586 2013 LZ_{23}	16.1	X	231.45615	84.83259	107.06901	10.32450	0.0608086	0.18385607	3.0630263	21	12 19.7	20.5
404587 2013 LP_{31}	16.3	X	97.16065	191.10123	142.45246	8.98771	0.0995248	0.18102317	3.0948999	21	—	—
404588 2013 LE_{35}	14.7	X	6.68860	220.89922	109.79268	19.23635	0.0588239	0.14840776	3.5331736	21	9 20.2	19.7
404589 2013 MJ	15.8	X	345.20043	283.24760	135.12938	10.68803	0.0350646	0.17339063	3.1850699	21	12 4.8	20.3
404590 2013 ML_{1}	16.0	X	69.17251	168.73371	195.14246	11.75449	0.0784700	0.18308753	3.0715920	21	—	—
404591 2013 MM_{1}	15.8	X	180.96976	113.63708	122.44211	11.64329	0.1047084	0.18125332	3.0922795	21	12 14.1	20.7
404592 2013 MT_{2}	16.2	X	143.73832	134.53449	158.99889	11.02590	0.1450571	0.18261948	3.0768381	21	—	—
404593 2013 MU_{9}	16.1	X	156.78735	282.71771	37.63474	4.81829	0.1385872	0.18404809	3.0608955	21	—	—
404594 2013 NT_{20}	15.9	X	83.65435	305.85033	91.39233	5.72751	0.1343710	0.18106603	3.0944115	21	1 1.1	19.8
404595 2013 PT_{45}	18.2	X	30.64961	208.10486	219.98875	4.85321	0.1152535	0.29314013	2.2443256	21	—	—
404596 2013 QK_{26}	15.8	X	206.65736	197.87964	90.94719	3.02871	0.0589677	0.18445167	3.0564290	21	1 3.0	20.4
404597 2013 SW_{27}	16.0	X	212.49528	50.49878	316.99041	9.15485	0.1405133	0.19670386	2.9281554	21	4 4.7	20.9
404598 2013 VF_{10}	16.8	X	353.36083	135.18688	203.76539	11.95762	0.3137263	0.24083177	2.5585478	21	9 28.7	18.1
404599 2013 WN_{7}	17.0	X	320.07361	330.82722	38.27505	2.75777	0.1015773	0.22977390	2.6399898	21	8 30.8	20.0
404600 2013 WD_{27}	17.4	X	29.61292	8.26084	26.32761	3.95617	0.2029826	0.26431171	2.4046864	21	—	—
404601 2013 WT_{108}	17.1	X	27.42169	279.30238	143.89550	6.27901	0.2061363	0.26649905	2.3915104	21	—	—
404602 2013 YD_{35}	17.6	X	77.26369	51.67739	20.17408	5.58506	0.2228685	0.28282705	2.2985577	21	1 20.4	19.3
404603 2014 BM_{2}	15.7	X	132.62614	168.80043	305.18377	10.38074	0.0501138	0.17746777	3.1360987	21	5 23.3	20.4
404604 2014 CK_{23}	16.2	X	260.41573	44.38380	67.20915	10.26614	0.1587578	0.21663364	2.7456939	21	10 12.5	20.0
404605 2014 DR_{71}	15.7	X	48.98013	254.86139	16.14284	16.20036	0.1747199	0.17882403	3.1202217	21	9 19.7	19.8
404606 2014 DE_{120}	16.5	X	13.59968	186.68386	172.75036	3.92932	0.1089555	0.20916125	2.8107048	21	11 12.8	19.8
404607 2014 EK_{40}	16.0	X	207.24641	2.63795	109.09409	9.73809	0.0635847	0.18788024	3.0191312	21	8 17.8	20.5
404608 2014 FO_{34}	17.2	X	199.92947	200.18900	165.93415	7.37786	0.1176034	0.28111074	2.3079041	21	3 19.1	20.4
404609 2014 FC_{48}	16.1	X	234.31004	255.86740	354.37371	10.99822	0.1485431	0.23816625	2.5776022	21	—	—
404610 2014 GQ_{3}	17.8	X	22.66027	157.73957	358.68635	2.11016	0.1510821	0.27100471	2.3649293	21	1 30.3	19.8
404611 2014 GL_{5}	16.4	X	90.48038	189.69254	188.58381	8.99790	0.2371356	0.24289017	2.5440721	21	—	—
404612 2014 GB_{8}	16.1	X	20.19758	93.80316	186.56347	11.48466	0.0460024	0.17522207	3.1628372	21	7 28.1	20.5
404613 2014 GD_{8}	16.9	X	304.16668	9.84130	170.87853	10.04205	0.0695265	0.23582184	2.5946575	21	—	—
404614 2014 GH_{16}	16.1	X	72.42251	68.20241	172.44483	9.79612	0.0360615	0.17473274	3.1687394	21	8 16.2	20.5
404615 2014 GJ_{19}	17.2	X	157.71288	10.98008	303.48072	2.48346	0.0570211	0.23826421	2.5768957	21	—	—
404616 2014 GY_{19}	16.6	X	3.47674	96.46366	209.98637	10.28372	0.0575740	0.17677086	3.1443359	21	8 6.7	20.9
404617 2014 GP_{33}	17.2	X	359.35390	355.90250	235.34824	1.49739	0.1442261	0.27683036	2.3316333	21	4 7.2	19.0
404618 2014 GP_{36}	15.5	X	90.57797	193.89498	19.58431	21.59217	0.1538778	0.17594106	3.1542147	21	9 2.3	20.5
404619 2014 GY_{39}	17.3	X	261.89735	185.90579	137.81874	7.37702	0.1337761	0.26954778	2.3734434	21	3 31.2	20.7
404620 2014 GE_{40}	16.3	X	37.13067	266.40795	96.26938	7.04624	0.0574508	0.20817947	2.8195348	21	12 11.8	20.2
404621 2014 GS_{41}	17.3	X	321.68406	277.78459	241.09438	2.21021	0.0948427	0.24101973	2.5572174	21	—	—
404622 2014 GR_{42}	16.2	X	128.50606	147.62608	40.39264	7.30033	0.0335123	0.17638146	3.1489621	21	8 23.8	20.8
404623 2014 GP_{47}	16.5	X	281.21714	121.96248	42.65970	13.22755	0.1883547	0.23247578	2.6194950	21	—	—
404624 2014 GQ_{48}	16.0	X	359.07664	176.15541	163.10568	9.72619	0.0287058	0.18902700	3.0069081	21	9 16.5	19.9
404625 2014 GD_{49}	17.9	X	44.20478	262.15313	168.44379	23.44072	0.1021636	0.37781513	1.8950317	21	—	—
404626 2014 HU	16.7	X	223.30229	217.67344	45.14989	10.04122	0.2211669	0.23063714	2.6333983	21	—	—
404627 2014 HW_{1}	16.9	X	221.28601	300.51047	19.86992	6.92554	0.1149114	0.25788511	2.4444728	21	2 15.7	20.6
404628 2014 HL_{6}	16.7	X	131.62087	240.07248	97.36861	5.74762	0.0744979	0.23209062	2.6223923	21	—	—
404629 2014 HC_{7}	17.3	X	87.21062	282.88215	148.43916	5.36656	0.0978237	0.25648311	2.4533727	21	1 25.9	20.2
404630 2014 HE_{9}	17.4	X	164.43328	197.02726	182.64085	5.82918	0.1256339	0.26128203	2.4232396	21	2 28.7	20.9
404631 2014 HT_{9}	17.4	X	321.54811	262.31168	49.44898	6.77638	0.2712970	0.28569189	2.2831657	21	5 7.1	19.2
404632 2014 HB_{11}	15.8	X	122.21779	70.23134	149.07149	17.38319	0.0990441	0.17928668	3.1148517	21	9 30.4	20.7
404633 2014 HP_{12}	16.7	X	172.81532	339.44762	197.36789	1.79616	0.0183469	0.18895090	3.0077154	21	9 28.5	21.0
404634 2014 HD_{13}	16.5	X	213.26720	272.96889	208.24824	9.97785	0.0514879	0.18365880	3.0652193	21	9 1.3	21.2
404635 2014 HL_{13}	15.3	X	321.43140	79.37905	155.57913	3.06345	0.1730441	0.12700042	3.9198184	21	3 3.4	20.4
404636 2014 HQ_{13}	17.7	X	310.14049	162.58226	100.61387	2.29200	0.1588108	0.26780606	2.3837230	21	3 3.6	20.7
404637 2014 HY_{15}	17.1	X	129.66042	270.01880	34.75685	5.89744	0.0505871	0.21920650	2.7241672	21	—	—
404638 2014 HT_{16}	17.5	X	222.23438	342.02912	0.08773	0.96919	0.2021149	0.26445194	2.4038363	21	3 10.6	21.4
404639 2014 HQ_{17}	17.7	X	1.09101	248.77448	321.45709	1.00710	0.1320517	0.27455838	2.3444785	21	3 10.9	19.8
404640 2014 HL_{19}	18.0	X	73.94380	124.53064	6.72416	1.81787	0.1317577	0.27725225	2.3292673	21	4 1.0	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404641 2014 HR_{20}	17.2	X	60.74413	110.76527	306.52057	1.60038	0.0437359	0.23887444	2.5725052	21	—	—
404642 2014 HN_{25}	16.7	X	312.59779	80.96873	42.45862	11.93571	0.1495689	0.22821672	2.6519851	21	—	—
404643 2014 HX_{27}	16.6	X	50.88952	243.29772	60.77146	1.50691	0.1656700	0.18578017	3.0418408	21	10 29.3	20.7
404644 2014 HE_{29}	18.1	X	34.43247	91.02746	68.36001	3.12896	0.1677136	0.27276910	2.3547200	21	3 1.7	19.8
404645 2014 HT_{30}	17.1	X	286.12501	146.57098	172.48204	6.63297	0.1258001	0.28002454	2.3138684	21	4 21.9	20.0
404646 2014 HV_{32}	16.7	X	190.65812	203.86837	62.21725	9.70291	0.0953377	0.22550235	2.6732239	21	—	—
404647 2014 HA_{34}	16.2	X	34.11819	144.40801	177.75619	11.78042	0.1574765	0.18357812	3.0661173	21	10 29.6	20.2
404648 2014 HB_{35}	16.6	X	118.57699	161.54667	82.80257	6.56568	0.1614594	0.19004228	2.9961892	21	10 30.7	21.5
404649 2014 HR_{37}	16.2	X	319.28663	222.22479	162.24315	10.14790	0.1046359	0.18347138	3.0673064	21	9 13.8	19.8
404650 2014 HX_{38}	17.4	X	218.18221	118.70569	124.77602	5.40977	0.0399091	0.22867301	2.6484561	21	—	—
404651 2014 HL_{40}	17.5	X	359.34947	125.65642	104.84752	4.52696	0.1856526	0.28132493	2.3067325	21	4 3.7	19.3
404652 2014 HQ_{42}	18.1	X	12.01052	73.42034	227.61569	4.81890	0.2124597	0.29961600	2.2118689	21	9 11.2	19.7
404653 2014 HT_{42}	15.5	X	294.04022	231.54231	38.28081	7.26978	0.2013821	0.12343020	3.9950458	21	3 9.6	21.2
404654 2014 HG_{43}	16.0	X	137.94954	315.18367	186.77112	16.98388	0.1699226	0.17642976	3.1483873	21	7 12.7	21.4
404655 2014 HN_{44}	16.8	X	194.40385	326.42934	202.36988	11.83316	0.0713829	0.19867397	2.9087657	21	10 11.7	21.2
404656 2014 HZ_{65}	16.8	X	332.26763	38.23365	71.62440	5.74114	0.0408035	0.22701098	2.6613672	21	—	—
404657 2014 HX_{66}	16.0	X	290.11920	304.02915	99.51850	5.68840	0.1525999	0.18618033	3.0374807	21	8 20.0	20.0
404658 2014 HA_{86}	17.2	X	133.88411	291.37037	66.94454	9.01326	0.1629996	0.23939841	2.5687502	21	1 8.9	20.8
404659 2014 HJ_{94}	17.0	X	182.62316	252.56366	55.34984	15.39808	0.1198706	0.23714099	2.5850263	21	—	—
404660 2014 HC_{122}	17.4	X	23.42135	354.05138	176.68396	5.00947	0.1425726	0.27020456	2.3695958	21	2 21.9	19.5
404661 2014 HZ_{122}	16.4	X	244.91879	340.43657	221.84413	12.45172	0.0905253	0.22863238	2.6487698	21	—	—
404662 2014 HQ_{123}	17.5	X	54.90403	263.23266	105.72030	24.80215	0.0491503	0.35163104	1.9879765	21	—	—
404663 2014 HW_{124}	16.4	X	245.17373	44.73036	165.48018	12.07406	0.1248216	0.22768550	2.6561084	21	—	—
404664 2014 HT_{125}	17.0	X	95.34149	140.67156	153.74890	2.51784	0.0420360	0.20348756	2.8627108	21	11 25.7	21.0
404665 2014 HT_{126}	16.2	X	207.08304	310.45417	211.28754	8.14209	0.0695320	0.19973314	2.8984733	21	10 17.2	20.4
404666 2014 HE_{129}	17.3	X	326.86165	133.21855	82.68066	4.54689	0.1863702	0.25868845	2.4394094	21	1 18.7	20.3
404667 2014 HO_{137}	18.0	X	57.14772	16.53992	112.13157	3.01821	0.1627050	0.27069654	2.3667238	21	3 2.9	19.9
404668 2014 HH_{147}	17.0	X	117.85827	271.55531	89.12428	0.75315	0.1699107	0.24330003	2.5412142	21	—	—
404669 2014 HK_{149}	16.4	X	118.86863	322.19409	223.13225	4.76890	0.0850420	0.17047285	3.2213103	21	8 8.8	21.2
404670 2014 HD_{151}	19.3	X	47.99093	69.08796	241.95851	1.74708	0.2470185	0.31578535	2.1357057	21	12 6.2	22.0
404671 2014 HV_{152}	17.7	X	77.11575	265.92727	257.52373	2.06281	0.1151931	0.28548200	2.2842847	21	5 21.4	20.1
404672 2014 HC_{155}	16.2	X	64.90706	185.29621	91.88007	2.42378	0.1509605	0.18061282	3.0995858	21	10 11.6	20.6
404673 2014 HP_{157}	17.0	X	137.39151	175.11708	119.29829	6.85861	0.0308689	0.21768612	2.7368367	21	—	—
404674 2014 HK_{161}	15.5	X	2.35835	269.15366	88.09402	10.33047	0.0871127	0.18720870	3.0263468	21	10 21.7	19.5
404675 2014 HM_{161}	17.3	X	171.70881	303.10831	113.23087	5.98016	0.1948554	0.27917634	2.3185527	21	4 30.3	21.0
404676 2014 HC_{163}	15.7	X	60.58597	129.27020	109.57198	8.87819	0.0524881	0.16920309	3.2374061	21	8 2.9	20.2
404677 2014 HU_{164}	16.2	X	154.06900	153.65588	171.04343	29.76287	0.0124403	0.23379341	2.6096437	21	—	—
404678 2014 HW_{164}	16.1	X	173.17747	78.17995	169.79868	15.19269	0.1179720	0.20675425	2.8324772	21	12 23.0	20.8
404679 2014 HP_{168}	17.6	X	318.78625	184.60993	11.96247	0.13508	0.0332308	0.24763034	2.5115018	21	1 7.8	20.7
404680 2014 HQ_{168}	18.0	X	340.45134	354.98036	229.82472	0.90153	0.1024869	0.26639190	2.3921516	21	3 2.3	20.6
404681 2014 HT_{168}	16.2	X	52.13811	139.12836	158.44730	11.71717	0.0751752	0.18044143	3.1015483	21	10 11.6	20.5
404682 2014 HX_{168}	16.6	X	222.71761	32.99440	202.04448	13.19868	0.2040268	0.22347417	2.6893737	21	—	—
404683 2014 HJ_{170}	13.9	X	338.90676	321.84564	103.00820	9.39952	0.1016262	0.08281595	5.2126680	21	11 17.3	20.4
404684 2014 HK_{171}	17.1	X	310.31929	180.45597	88.18287	7.76555	0.1338780	0.27260191	2.3556827	21	3 17.8	20.1
404685 2014 HR_{171}	15.8	X	51.63086	170.02003	89.25174	10.20499	0.0342092	0.17489282	3.1668056	21	8 17.3	20.2
404686 2014 HA_{179}	15.6	X	352.54011	238.07094	123.03108	11.41721	0.1275521	0.18044212	3.1015404	21	10 12.3	19.5
404687 2014 HL_{179}	16.3	X	279.26110	328.15186	206.60394	11.96361	0.1523504	0.23063719	2.6333980	21	—	—
404688 2014 HW_{179}	17.9	X	323.72414	88.63865	134.25392	2.88192	0.1583468	0.26591015	2.3950400	21	1 25.8	21.0
404689 2014 HL_{180}	16.9	X	192.09771	61.76887	166.38344	2.64259	0.2384656	0.21212407	2.7844713	21	12 10.3	21.7
404690 2014 HR_{181}	17.6	X	170.14380	331.10455	141.65120	6.67369	0.0499628	0.29972189	2.2113479	21	7 5.9	20.3
404691 2014 HW_{182}	16.3	X	350.74690	125.74300	189.24450	9.93574	0.0800056	0.17522603	3.1627895	21	7 30.8	20.5
404692 2014 HC_{184}	16.1	X	61.97043	69.80409	190.56617	4.17824	0.0970275	0.17068439	3.2186482	21	9 5.9	20.5
404693 2014 HW_{184}	15.4	X	290.09331	179.66529	217.11896	15.24522	0.0725827	0.17305212	3.1892221	21	8 14.7	20.0
404694 2014 HJ_{185}	16.6	X	267.87765	135.31754	97.39507	6.76546	0.1728708	0.24062690	2.5599998	21	—	—
404695 2014 HP_{186}	15.9	X	26.59303	247.65610	78.71711	18.11107	0.2176281	0.17899155	3.1182746	21	11 4.9	19.9
404696 2014 HS_{186}	17.1	X	169.99422	168.44029	108.61915	4.39990	0.1185363	0.22013900	2.7164688	21	—	—
404697 2014 HF_{187}	17.6	X	287.53708	170.97071	112.96010	2.46785	0.1778248	0.26232596	2.4168064	21	3 1.7	21.0
404698 2014 HD_{188}	17.3	X	244.85482	194.79718	153.99312	6.97225	0.1396799	0.27775587	2.3264509	21	4 13.0	20.7
404699 2014 HH_{190}	17.6	X	126.16633	311.42474	133.56355	1.60509	0.1269089	0.27043175	2.3682684	21	4 12.7	20.7
404700 2014 JQ	15.7	X	336.73227	181.77339	194.22371	9.37097	0.0808838	0.18043636	3.1016063	21	9 29.9	19.6
404701 2014 JF_{2}	17.1	X	284.21326	92.54065	98.00476	4.68181	0.1421145	0.23450357	2.6043723	21	—	—
404702 2014 JM_{2}	17.7	X	225.43287	183.44112	77.12481	23.76415	0.0385944	0.37406470	1.9076772	21	—	—
404703 2014 JL_{3}	17.5	X	326.91995	25.97653	194.36573	2.46489	0.1330454	0.26103555	2.4247648	21	1 30.9	20.5
404704 2014 JN_{3}	17.7	X	71.60408	57.75620	112.12950	5.76297	0.0939433	0.28284136	2.2984802	21	5 20.7	20.2
404705 2014 JQ_{3}	15.7	X	289.92564	312.34017	91.78565	11.47990	0.0642326	0.17584678	3.1553420	21	9 4.9	20.2
404706 2014 JV_{3}	16.4	X	179.30934	199.30598	93.30996	14.89663	0.1080745	0.22678159	2.6631616	21	—	—
404707 2014 JM_{5}	17.4	X	183.78868	180.34194	141.88351	4.33691	0.0989538	0.23804835	2.5784533	21	1 10.7	21.2
404708 2014 JT_{5}	16.2	X	191.83929	214.35279	83.28564	14.84046	0.2436077	0.22640892	2.6660832	21	—	—
404709 2014 JN_{6}	17.8	X	3.29605	48.50866	118.11872	3.64402	0.1191537	0.25602362	2.4563073	21	1 16.9	20.2
404710 2014 JO_{6}	17.4	X	220.15842	80.80935	162.56465	4.31901	0.0602255	0.22524875	2.6752300	21	—	—
404711 2014 JQ_{6}	16.1	X	74.65089	299.91090	67.60799	7.14697	0.0400261	0.21769169	2.7367901	21	—	—
404712 2014 JH_{7}	16.4	X	86.00658	206.46103	74.60656	7.03455	0.1479699	0.18568466	3.0428837	21	11 9.3	21.0
404713 2014 JX_{7}	16.5	X	33.60469	234.92020	97.11127	3.94090	0.0992425	0.18575864	3.0420759	21	11 1.6	20.6
404714 2014 JB_{8}	18.2	X	109.36109	43.90801	74.96576	6.02881	0.1488338	0.28164974	2.3049587	21	5 10.9	21.0
404715 2014 JM_{8}	17.5	X	277.59308	99.36312	114.65504	3.16416	0.1047351	0.23807513	2.5782599	21	—	—
404716 2014 JK_{10}	15.8	X	356.57172	273.27155	67.41469	11.65204	0.0539533	0.17546230	3.1599497	21	9 20.3	20.2
404717 2014 JZ_{10}	17.7	X	274.82468	87.56233	160.84722	4.25354	0.0956156	0.24828830	2.5070628	21	1 11.9	21.3
404718 2014 JO_{13}	16.4	X	139.39554	185.01229	102.63630	6.09995	0.0794475	0.21001011	2.8031258	21	—	—
404719 2014 JW_{13}	17.4	X	333.17208	75.23842	93.12331	5.39172	0.1096266	0.24591796	2.5231470	21	—	—
404720 2014 JA_{14}	16.9	X	11.61320	35.68802	86.33511	7.14533	0.0759699	0.24203370	2.5500703	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404721 2014 JJ_{14}	17.3	X	1.47747	120.43936	110.47620	4.33928	0.1529097	0.27655885	2.3331590	21	4 13.7	19.3
404722 2014 JT_{14}	17.3	X	264.45941	276.06317	69.83537	8.61622	0.2101039	0.27555790	2.3388057	21	4 23.8	20.9
404723 2014 JG_{17}	15.4	X	77.86175	176.30085	92.02313	10.81417	0.0421825	0.17687454	3.1431070	21	10 5.4	20.0
404724 2014 JU_{18}	17.6	X	21.11907	25.59486	92.65976	1.98718	0.1371604	0.25331149	2.4738088	21	—	—
404725 2014 JJ_{19}	16.2	X	159.92466	99.01085	67.82464	10.75873	0.0881550	0.18353720	3.0665731	21	9 7.1	21.1
404726 2014 JR_{19}	16.3	X	165.30129	289.23320	184.73491	13.85577	0.2650479	0.17453584	3.1711222	21	7 6.2	22.1
404727 2014 JZ_{20}	18.0	X	281.16064	141.01491	138.67191	3.87326	0.1764815	0.25942339	2.4348000	21	2 17.5	21.4
404728 2014 JB_{21}	16.4	X	126.53888	168.32358	59.00168	2.96241	0.0310639	0.19580141	2.9371458	21	10 8.9	20.6
404729 2014 JM_{21}	15.7	X	37.54587	211.21998	112.75714	9.33280	0.0617387	0.18342654	3.0678063	21	10 25.4	20.0
404730 2014 JN_{21}	17.1	X	203.10921	80.67293	179.58599	12.51708	0.2471637	0.22366635	2.6878330	21	—	—
404731 2014 JJ_{22}	18.0	X	41.77933	108.47340	133.22335	3.09845	0.1718637	0.29337563	2.2431244	21	7 31.7	19.9
404732 2014 JX_{22}	16.9	X	342.37941	3.79633	142.13364	4.60734	0.1613454	0.24035696	2.5619162	21	—	—
404733 2014 JY_{22}	17.3	X	329.87261	129.74073	106.40295	5.15232	0.1595459	0.26367093	2.4085807	21	2 23.7	20.1
404734 2014 JE_{23}	16.2	X	317.68502	76.90937	76.65818	14.03858	0.1140552	0.23190915	2.6237601	21	—	—
404735 2014 JJ_{23}	15.6	X	62.02142	204.36613	99.53155	9.95830	0.0801467	0.18106736	3.0943963	21	11 2.8	20.1
404736 2014 JK_{23}	16.8	X	307.74428	115.22445	117.81054	6.79574	0.0802235	0.25229898	2.4804228	21	2 2.5	20.1
404737 2014 JV_{25}	17.3	X	53.37898	245.18997	134.55344	23.96416	0.1108368	0.35523647	1.9745025	21	—	—
404738 2014 JD_{26}	16.3	X	117.77509	95.95679	85.57179	26.08593	0.2556639	0.17086811	3.2163407	21	8 28.1	22.1
404739 2014 JG_{26}	16.9	X	259.72291	225.15977	111.99633	15.63649	0.2713168	0.26463067	2.4027538	21	4 8.4	21.2
404740 2014 JL_{26}	16.7	X	323.99230	72.27836	84.99469	28.30873	0.1490149	0.24261129	2.5460214	21	—	—
404741 2014 JA_{27}	15.7	X	0.97547	261.67829	85.81555	20.47246	0.2418920	0.17588700	3.1548609	21	10 23.3	19.4
404742 2014 JN_{28}	15.7	X	44.76008	209.77487	108.09803	19.66242	0.2088442	0.17748403	3.1359072	21	11 18.9	20.3
404743 2014 JN_{29}	16.4	X	338.33654	27.16549	111.29626	16.27643	0.1414826	0.24192705	2.5508197	21	—	—
404744 2014 JD_{31}	17.2	X	83.75493	252.65422	87.52768	26.22905	0.0829023	0.36062749	1.9547752	21	—	—
404745 2014 JF_{31}	15.6	X	339.38034	271.26412	108.83960	11.06648	0.1023278	0.18098569	3.0953272	21	10 15.5	19.6
404746 2014 JG_{31}	15.9	X	11.04095	257.32807	56.88849	11.87254	0.0461843	0.17643413	3.1483353	21	9 6.4	20.3
404747 2014 JO_{32}	17.1	X	171.91781	238.15737	22.01497	4.90025	0.0294358	0.21721024	2.7408327	21	—	—
404748 2014 JQ_{32}	17.1	X	225.30126	100.10183	174.24373	12.96513	0.2658877	0.23207926	2.6224778	21	—	—
404749 2014 JW_{32}	17.6	X	358.56897	207.51283	53.58542	7.27833	0.1518008	0.28222273	2.3018378	21	5 23.7	19.4
404750 2014 JV_{33}	16.3	X	48.59707	122.52542	195.06261	15.27496	0.2072547	0.17837202	3.1254908	21	11 18.1	20.7
404751 2014 JJ_{34}	17.6	X	82.39797	66.95140	86.30624	6.90439	0.0401838	0.27703855	2.3304650	21	5 5.4	20.4
404752 2014 JN_{34}	16.8	X	250.47778	330.39945	211.70319	9.19419	0.0764620	0.21548618	2.7554324	21	—	—
404753 2014 JF_{35}	16.6	X	84.82528	149.91293	131.51871	5.74760	0.1161114	0.18172343	3.0869441	21	11 5.1	21.2
404754 2014 JQ_{35}	18.1	X	331.01653	260.09229	67.37175	4.86797	0.1627756	0.29572353	2.2312357	21	7 14.1	19.8
404755 2014 JD_{37}	17.0	X	225.24038	203.14409	79.22441	6.42990	0.1617458	0.23950647	2.5679775	21	1 4.2	21.2
404756 2014 JH_{37}	16.8	X	108.68539	154.16663	162.59019	4.67065	0.0632801	0.21064483	2.7974920	21	—	—
404757 2014 JX_{37}	16.9	X	111.52200	215.02811	121.29626	5.53700	0.1346160	0.21452914	2.7636212	21	—	—
404758 2014 JG_{38}	17.5	X	243.32717	153.60334	123.08584	6.22529	0.1513437	0.24342898	2.5403167	21	1 12.7	21.6
404759 2014 JL_{38}	15.8	X	108.47438	149.60003	91.34459	11.24488	0.1604279	0.18140168	3.0905932	21	10 19.6	20.8
404760 2014 JG_{39}	17.2	X	5.26623	153.21963	69.39206	3.71293	0.1559654	0.27599322	2.3363457	21	4 7.5	19.0
404761 2014 JQ_{39}	17.6	X	251.32477	227.10827	98.81293	8.25660	0.0387310	0.26740526	2.3861043	21	4 2.5	20.8
404762 2014 JL_{40}	17.5	X	284.23929	210.23554	108.08042	7.15341	0.1367942	0.27602637	2.3361587	21	4 19.2	20.6
404763 2014 JC_{41}	17.3	X	229.98192	171.41770	80.09684	4.56067	0.0719429	0.23136373	2.6278821	21	—	—
404764 2014 JV_{41}	16.9	X	221.74777	140.72049	61.47598	2.45150	0.0123546	0.21192896	2.7861801	21	—	—
404765 2014 JM_{42}	15.9	X	177.95664	85.24023	92.45148	11.24683	0.0472639	0.18556261	3.0442179	21	10 10.6	20.6
404766 2014 JN_{42}	17.6	X	106.60236	44.78436	96.85295	6.56818	0.1036784	0.28505036	2.2865901	21	6 1.3	20.4
404767 2014 JW_{42}	16.0	X	112.10697	200.89511	96.70206	11.25889	0.1124249	0.19952208	2.9005169	21	12 22.2	20.3
404768 2014 JA_{43}	17.8	X	334.14461	118.54407	172.20561	6.80030	0.1689335	0.28071309	2.3100831	21	5 19.9	19.9
404769 2014 JG_{43}	17.7	X	58.05566	38.24746	155.84329	3.52827	0.1057729	0.28384583	2.2930545	21	6 4.7	20.1
404770 2014 JL_{43}	16.5	X	287.19157	111.09748	83.57278	13.39416	0.2439158	0.23726602	2.5841181	21	—	—
404771 2014 JO_{43}	16.1	X	175.91227	180.36282	88.68639	14.04101	0.1748977	0.21278313	2.7787187	21	—	—
404772 2014 JP_{43}	15.5	X	76.24421	227.58324	84.19094	18.79048	0.2431603	0.18382940	3.0633227	21	12 14.1	20.2
404773 2014 JW_{44}	15.7	X	320.52915	324.73840	48.42993	11.63364	0.0196645	0.17943062	3.1131856	21	9 13.1	20.2
404774 2014 JF_{46}	17.1	X	340.66809	113.47296	41.53202	4.35636	0.0670096	0.24444299	2.5332866	21	—	—
404775 2014 JH_{46}	15.8	X	37.53715	249.47279	90.61183	11.07872	0.1685807	0.18518612	3.0483425	21	11 27.0	19.8
404776 2014 JO_{46}	17.0	X	6.63937	122.63595	110.38836	5.15227	0.1386710	0.27816149	2.3241887	21	4 29.3	19.0
404777 2014 JP_{46}	16.9	X	280.39278	61.51616	136.97710	5.02959	0.1825107	0.23559445	2.5963268	21	—	—
404778 2014 JP_{47}	16.9	X	185.47309	153.73268	192.86724	8.55569	0.1737405	0.23999216	2.5645117	21	2 12.9	21.2
404779 2014 JU_{49}	17.2	X	171.37278	130.40979	150.42244	8.90025	0.0615716	0.21813681	2.7330658	21	—	—
404780 2014 JW_{49}	16.8	X	188.36814	115.40177	118.99085	11.95794	0.2616871	0.20905424	2.8116639	21	12 13.8	21.7
404781 2014 JE_{50}	17.4	X	211.44223	258.28323	121.70877	7.49709	0.1210141	0.27081052	2.3660597	21	4 21.9	21.0
404782 2014 JJ_{50}	17.3	X	81.05017	64.58540	150.02680	5.56600	0.0118604	0.29882149	2.2157878	21	7 25.8	19.7
404783 2014 JN_{50}	16.7	X	215.80612	253.65809	79.87560	15.26037	0.1407609	0.25180380	2.4836736	21	3 3.7	20.9
404784 2014 JJ_{51}	17.9	X	278.32832	112.00891	160.03693	1.55339	0.1621177	0.25667878	2.4521258	21	2 6.4	21.4
404785 2014 JW_{51}	17.1	X	267.20531	257.02089	109.38716	4.41296	0.0958371	0.29046589	2.2580798	21	6 5.8	19.7
404786 2014 JB_{52}	16.6	X	21.78766	29.85184	226.03142	23.67585	0.2177283	0.29037144	2.2585695	21	7 9.2	18.9
404787 2014 JC_{52}	19.2	X	358.60059	161.75480	112.32330	2.41799	0.2598102	0.28500692	2.2868225	21	6 10.4	19.9
404788 2014 JT_{52}	16.7	X	115.66594	175.43842	72.41313	0.74458	0.1464235	0.18647004	3.0343337	21	10 28.8	21.5
404789 2014 JR_{53}	16.6	X	108.19065	208.05893	63.68114	8.14814	0.2405943	0.18835877	3.0140155	21	11 25.1	21.6
404790 2014 JB_{54}	16.2	X	304.28721	266.12573	163.34613	15.96888	0.0355626	0.18683032	3.0304316	21	10 29.9	20.5
404791 2014 JO_{54}	17.6	X	58.98922	290.22945	109.59132	23.97059	0.0751741	0.36048882	1.9552765	21	—	—
404792 2014 JS_{59}	16.2	X	341.63582	321.67793	67.38268	25.01026	0.0646385	0.19076700	2.9885960	21	11 4.1	20.3
404793 2014 JT_{59}	17.5	X	356.28191	217.38680	97.80825	7.92553	0.1802941	0.29868690	2.2164534	21	8 29.9	19.0
404794 2014 JU_{59}	16.7	X	261.15821	281.89331	184.96090	8.91510	0.0430597	0.19035509	2.9929059	21	10 17.3	20.8
404795 2014 JX_{59}	16.4	X	51.12201	248.16782	97.52443	11.80893	0.0423924	0.19771595	2.9181543	21	12 5.3	20.4
404796 2014 JG_{60}	15.1	X	138.57369	120.14762	68.84892	17.38495	0.0955630	0.17570929	3.1569878	21	9 16.1	20.3
404797 2014 JH_{60}	17.6	X	262.14150	220.77467	73.55691	7.81516	0.1408560	0.25642706	2.4537302	21	2 23.7	21.4
404798 2014 JQ_{60}	16.8	X	199.26585	25.46797	217.61351	7.45031	0.1690766	0.21737147	2.7394772	21	—	—
404799 2014 JV_{60}	16.2	X	160.36427	256.26844	99.28756	15.45159	0.1312838	0.24071252	2.5593927	21	1 31.5	20.1
404800 2014 JW_{60}	16.5	X	130.76723	225.82245	93.88479	10.48701	0.1474846	0.21331871	2.7740658	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404801 2014 JC_{61}	15.5	X	103.14528	0.80513	250.42989	11.30637	0.1096611	0.18236730	3.0796739	21	10 13.1	20.3
404802 2014 JO_{61}	17.2	X	266.00896	143.77668	170.41048	11.53641	0.2969882	0.25562850	2.4588377	21	3 7.5	21.2
404803 2014 JQ_{61}	16.2	X	13.61104	231.88435	145.05653	11.06388	0.1197559	0.18871832	3.0101861	21	12 3.5	20.2
404804 2014 JR_{62}	17.2	X	202.08715	199.04509	192.86233	5.36504	0.1361805	0.27177564	2.3604549	21	4 24.9	20.8
404805 2014 JS_{62}	16.4	X	218.10198	354.32268	201.43057	9.41923	0.0990026	0.21011815	2.8021648	21	12 9.2	20.6
404806 2014 JJ_{63}	15.8	X	30.09008	226.81927	93.61630	22.99958	0.0440147	0.18246792	3.0785416	21	10 17.3	20.5
404807 2014 JS_{63}	17.9	X	17.54178	24.49699	185.28645	2.55658	0.1257132	0.27698732	2.3307523	21	4 13.0	19.9
404808 2014 JU_{64}	17.6	X	294.37502	212.75668	62.93304	2.03547	0.1654280	0.26324449	2.4111812	21	2 28.4	20.8
404809 2014 JY_{64}	16.8	X	165.16479	329.58679	65.78843	12.83103	0.1238029	0.26300656	2.4126352	21	3 29.4	20.6
404810 2014 JX_{65}	17.3	X	199.51011	153.26452	153.82014	6.68839	0.1396188	0.23760791	2.5816386	21	1 9.8	21.4
404811 2014 JZ_{65}	17.8	X	278.20416	281.83560	104.40393	5.14583	0.1243476	0.30144489	2.2029135	21	7 16.3	20.0
404812 2014 JB_{67}	16.0	X	196.13507	54.48168	87.64797	11.99439	0.0285750	0.17869312	3.1217455	21	9 18.2	20.7
404813 2014 JM_{67}	16.9	X	274.47500	54.30363	183.18630	3.30757	0.1874315	0.24342147	2.5403689	21	—	—
404814 2014 JT_{67}	17.4	X	342.53483	170.63116	66.40749	3.39418	0.1522703	0.27114778	2.3640973	21	3 17.4	19.7
404815 2014 JD_{68}	17.2	X	205.39669	106.94117	107.46157	5.08019	0.1349911	0.21146633	2.7902421	21	12 14.2	21.3
404816 2014 JM_{68}	16.9	X	263.84996	129.58825	70.90570	14.19397	0.0603448	0.22702608	2.6612492	21	—	—
404817 2014 JE_{70}	18.0	X	344.22255	265.80287	333.70588	0.78314	0.1464830	0.27209286	2.3586199	21	3 22.5	20.3
404818 2014 JW_{70}	16.5	X	77.63768	309.78597	23.78084	2.13814	0.0944150	0.20229623	2.8739389	21	12 28.2	20.7
404819 2014 JZ_{70}	18.1	X	31.07249	270.46289	349.75358	2.94015	0.1475376	0.29600005	2.2298459	21	8 6.9	19.8
404820 2014 JL_{72}	17.4	X	61.88111	88.44536	34.94396	3.67869	0.0445425	0.25827285	2.4420256	21	2 23.9	20.3
404821 2014 JM_{72}	16.9	X	174.84291	27.94096	254.48467	2.48254	0.1686687	0.21750732	2.7383364	21	—	—
404822 2014 JN_{72}	17.1	X	227.49400	26.35614	243.33121	6.86602	0.0289173	0.23697188	2.5862560	21	—	—
404823 2014 JE_{73}	15.9	X	172.73198	192.85160	65.42967	15.82400	0.1357942	0.21051531	2.7986393	21	—	—
404824 2014 JQ_{73}	17.8	X	271.34050	240.57296	72.68151	4.16336	0.1389664	0.26610434	2.3938747	21	3 27.2	21.1
404825 2014 JC_{74}	15.9	X	50.63648	81.38858	228.90064	7.35961	0.1718453	0.17938448	3.1137194	21	11 4.9	20.1
404826 2014 JE_{74}	18.1	X	354.41672	86.26100	143.49987	0.72250	0.1700787	0.27253382	2.3560750	21	3 24.1	20.2
404827 2014 JP_{74}	16.4	X	73.29741	77.33531	217.77141	10.58928	0.2156661	0.18253653	3.0777702	21	11 19.3	21.1
404828 2014 JO_{75}	17.2	X	352.66604	323.32648	289.59712	3.19888	0.1568030	0.27864472	2.3215008	21	4 25.3	19.3
404829 2014 JB_{76}	17.8	X	224.35466	188.84925	117.79886	0.50716	0.1751974	0.24375408	2.5380575	21	1 31.4	21.9
404830 2014 JH_{76}	17.8	X	296.03168	243.27862	47.08141	2.16663	0.1786924	0.26734812	2.3864443	21	3 19.1	20.8
404831 2014 JK_{76}	17.7	X	311.21167	14.49302	251.66213	1.75625	0.1740260	0.26593062	2.3949171	21	3 4.8	20.8
404832 2014 JL_{76}	17.2	X	354.13199	347.56311	237.09123	2.97345	0.1321573	0.27028144	2.3691464	21	3 19.3	19.4
404833 2014 JM_{76}	18.0	X	328.67675	67.10740	198.03637	2.01607	0.1831260	0.27179379	2.3603498	21	3 27.5	20.2
404834 2014 JK_{77}	17.1	X	326.82412	166.23291	78.07487	3.96906	0.1350896	0.26609025	2.3939592	21	3 6.4	20.0
404835 2014 JN_{77}	18.3	X	6.53289	65.08272	223.03119	5.04446	0.0942063	0.29627023	2.2284901	21	7 25.0	20.3
404836 2014 JR_{77}	16.5	X	21.83915	208.03087	158.42235	2.45797	0.1104073	0.19620804	2.9330863	21	11 30.9	20.3
404837 2014 JW_{77}	15.0	X	85.68338	165.51536	86.47191	18.46900	0.1123894	0.17779706	3.1322254	21	10 8.6	19.9
404838 2014 JB_{78}	17.1	X	219.76538	87.19460	167.04074	13.01720	0.2506107	0.22448627	2.6812843	21	—	—
404839 2014 JC_{78}	16.0	X	174.18195	33.55943	132.61192	16.28014	0.0268989	0.17959547	3.1112802	21	9 20.4	20.7
404840 2014 KQ_{1}	18.0	X	357.86157	122.63059	139.17541	2.86046	0.1741578	0.28510493	2.2862983	21	5 22.9	19.6
404841 2014 KW_{2}	16.1	X	122.54190	106.94542	117.21305	11.77016	0.0742964	0.18448261	3.0560873	21	10 6.9	20.8
404842 2014 KO_{3}	17.0	X	163.23023	218.36262	79.07326	7.56536	0.1009275	0.21861545	2.7290751	21	—	—
404843 2014 KZ_{4}	17.3	X	302.69598	171.09574	134.72045	1.92774	0.1894163	0.27268958	2.3551778	21	4 15.6	20.3
404844 2014 KG_{5}	16.9	X	168.82181	249.83294	94.91435	15.71558	0.1630759	0.23973312	2.5663587	21	1 29.8	21.0
404845 2014 KD_{12}	17.6	X	274.84007	262.34705	68.58017	6.02760	0.0526238	0.27629418	2.3346488	21	5 4.4	20.5
404846 2014 KL_{12}	17.7	X	337.91731	185.03164	81.93513	4.47251	0.0586102	0.27723351	2.3293723	21	5 5.0	20.3
404847 2014 KA_{13}	15.9	X	40.68765	221.56882	99.28380	2.31564	0.1926414	0.17636663	3.1491386	21	11 8.5	20.0
404848 2014 KM_{15}	17.0	X	189.29568	81.69056	164.31253	4.19366	0.0501859	0.21473996	2.7618122	21	—	—
404849 2014 KQ_{15}	15.2	X	152.02971	298.51589	228.26889	21.52437	0.1829962	0.17728851	3.1382123	21	8 18.9	20.8
404850 2014 KS_{15}	16.1	X	82.23796	172.08667	138.16820	2.45022	0.0796111	0.19384683	2.9568565	21	12 2.5	20.3
404851 2014 KT_{15}	17.9	X	64.46495	85.16229	83.97698	4.95827	0.1553644	0.28049175	2.3112982	21	5 16.9	20.0
404852 2014 KK_{16}	17.8	X	6.64771	91.41507	176.25514	2.90114	0.1268526	0.28749943	2.2735860	21	6 23.5	19.7
404853 2014 KL_{16}	16.2	X	152.23696	350.29130	222.68330	10.56483	0.1065955	0.18887142	3.0085591	21	10 19.3	21.0
404854 2014 KM_{16}	17.1	X	185.13801	218.56606	94.76644	5.25275	0.2007896	0.22973532	2.6402854	21	1 9.4	21.4
404855 2014 KT_{16}	15.5	X	68.75617	58.54446	221.45726	10.19315	0.1777863	0.17625661	3.1504489	21	10 20.6	20.1
404856 2014 KB_{17}	16.0	X	95.13586	183.77252	78.28395	11.52979	0.1746200	0.18132336	3.0914831	21	10 31.6	20.9
404857 2014 KF_{17}	16.1	X	316.91413	11.41006	73.84545	13.93827	0.0770793	0.20357713	2.8618710	21	12 3.4	19.4
404858 2014 KC_{18}	17.4	X	46.28923	335.93278	194.90911	6.00243	0.0691187	0.27114134	2.3641347	21	4 5.8	20.0
404859 2014 KF_{20}	15.6	X	20.26173	198.11895	136.82941	15.00135	0.0969337	0.17777292	3.1325089	21	10 20.1	19.9
404860 2014 KO_{20}	16.1	X	28.31013	234.76295	102.79413	15.08355	0.1392283	0.18012717	3.1051546	21	11 10.0	20.3
404861 2014 KX_{20}	16.7	X	210.40356	124.84939	148.60206	12.03513	0.1792809	0.22577709	2.6710548	21	—	—
404862 2014 KF_{25}	17.5	X	298.80677	162.04555	103.76879	4.17623	0.1695437	0.26028872	2.4294007	21	2 20.9	20.8
404863 2014 KV_{25}	17.3	X	336.11662	110.40593	173.30012	4.74368	0.2346907	0.27806088	2.3247493	21	4 30.8	19.2
404864 2014 KE_{27}	16.0	X	24.49754	197.42653	126.02461	11.41079	0.1197126	0.17977209	3.1092420	21	10 13.9	20.1
404865 2014 KW_{28}	16.2	X	274.24763	161.45243	74.63418	15.52852	0.1283076	0.24231831	2.5480732	21	—	—
404866 2014 KJ_{30}	16.2	X	149.19720	114.34726	62.79602	27.47254	0.1680503	0.18045474	3.1013957	21	9 22.5	21.8
404867 2014 KR_{31}	17.3	X	63.13223	322.73545	214.94518	6.68411	0.0571223	0.28029509	2.3123792	21	5 11.9	19.8
404868 2014 KV_{32}	16.3	X	40.83063	120.58171	189.59612	9.14103	0.1457436	0.17600731	3.1534231	21	10 19.7	20.4
404869 2014 KV_{42}	15.3	X	29.26470	238.74214	100.78930	23.31264	0.2614724	0.17594842	3.1541266	21	11 30.7	19.5
404870 2014 KW_{42}	15.4	X	29.36702	207.43022	117.42707	19.49263	0.1539944	0.17481095	3.1677943	21	10 30.7	19.8
404871 2014 KU_{43}	16.7	X	335.25809	59.24226	99.42106	15.63324	0.0684522	0.23857071	2.5746881	21	—	—
404872 2014 KC_{44}	16.6	X	80.12395	118.59089	153.16147	7.97365	0.1509754	0.17663317	3.1459698	21	10 23.4	21.3
404873 2014 KF_{51}	17.3	X	163.45235	123.04755	185.90379	5.45142	0.0760926	0.22152347	2.7051388	21	—	—
404874 2014 KW_{52}	17.1	X	290.93552	11.17900	166.10861	4.94230	0.1270510	0.22927769	2.6437975	21	—	—
404875 2014 KX_{53}	15.6	X	92.36374	156.68031	84.12469	21.31790	0.1180484	0.17256307	3.1952448	21	10 4.4	20.8
404876 2014 KZ_{53}	16.9	X	148.21321	116.03234	192.08651	7.97941	0.2053666	0.21184706	2.7868981	21	—	—
404877 2014 KB_{54}	16.8	X	305.60326	145.19006	118.24823	6.98770	0.1209322	0.26175482	2.4203208	21	3 6.1	20.0
404878 2014 KA_{56}	17.2	X	333.39203	88.20873	185.07444	6.87390	0.2589549	0.27335501	2.3513541	21	4 3.7	19.5
404879 2014 KD_{56}	15.9	X	91.60433	174.10942	94.30883	17.43912	0.0276734	0.18297259	3.0728783	21	10 23.9	20.6
404880 2014 KR_{56}	15.5	X	118.14445	138.30628	110.51405	10.51919	0.0423013	0.18507992	3.0495085	21	10 28.8	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404881 2014 KW_{57}	17.5	X	334.89633	137.75950	138.23015	6.05515	0.1511308	0.27549532	2.3391599	21	5 2.2	19.8
404882 2014 KV_{58}	16.4	X	169.41668	65.38820	161.79779	8.33341	0.1649449	0.19803918	2.9149782	21	11 23.9	21.3
404883 2014 KD_{62}	15.9	X	58.14987	157.89205	169.48346	23.40983	0.2992061	0.18041678	3.1018307	21	12 21.7	21.1
404884 2014 KH_{65}	16.5	X	59.21383	355.46948	77.29048	15.53372	0.0267288	0.23326789	2.6135616	21	—	—
404885 2014 KC_{68}	18.1	X	43.14059	73.97034	191.73626	5.78157	0.1752922	0.29869542	2.2164112	21	9 10.4	20.3
404886 2014 KJ_{72}	16.4	X	155.31992	100.94348	120.09504	10.32889	0.0195711	0.18772770	3.0207664	21	11 5.5	20.9
404887 2014 KB_{73}	16.9	X	105.62387	193.36997	173.69634	9.67000	0.1493070	0.21827929	2.7318762	21	—	—
404888 2014 KU_{73}	16.6	X	69.54222	156.14810	170.90349	9.45005	0.1558175	0.18814625	3.0162847	21	12 16.8	21.2
404889 2014 KS_{74}	16.6	X	128.84398	274.05279	94.83335	15.78182	0.2305377	0.22429783	2.6827858	21	1 28.9	20.6
404890 2014 KU_{74}	16.1	X	292.26733	312.24616	249.67300	10.75450	0.2120076	0.24005046	2.5640964	21	—	—
404891 2014 KE_{75}	16.7	X	232.32446	156.77363	68.97357	12.96430	0.1056822	0.22282331	2.6946082	21	—	—
404892 2014 KJ_{77}	16.0	X	93.23406	116.97764	146.80559	10.41553	0.1258352	0.17977913	3.1091609	21	10 26.2	20.8
404893 2014 KL_{77}	16.2	X	240.06826	343.84953	121.71637	15.24298	0.0146455	0.17622216	3.1508595	21	9 26.6	20.9
404894 2014 KZ_{77}	16.9	X	218.97388	144.19656	119.48112	16.94114	0.2480666	0.22532969	2.6745893	21	—	—
404895 2014 KA_{78}	16.1	X	139.16404	95.52675	136.50737	13.48270	0.0680714	0.18481778	3.0523914	21	11 2.5	20.9
404896 2014 KZ_{78}	17.0	X	289.53701	132.26904	45.94908	7.44639	0.0707093	0.22887327	2.6469110	21	—	—
404897 2014 KF_{81}	16.1	X	166.91513	135.59310	66.36022	10.20827	0.1528861	0.19262964	2.9692992	21	10 24.5	21.0
404898 2014 KN_{81}	17.5	X	93.60420	285.58538	241.02201	5.30136	0.0294349	0.28539141	2.2847680	21	6 6.2	20.0
404899 2014 KD_{83}	16.7	X	178.98862	32.04174	240.89473	7.74512	0.2760804	0.21305036	2.7763947	21	—	—
404900 2014 KT_{83}	16.6	X	257.29066	27.53679	268.27991	10.04214	0.1920539	0.25315152	2.4748508	21	2 9.9	20.7
404901 2014 KT_{85}	16.2	X	251.29173	172.68556	67.49323	15.23780	0.0596132	0.23539060	2.5978255	21	—	—
404902 2014 KA_{86}	16.6	X	193.48632	142.67895	146.62838	7.84323	0.1552509	0.22468746	2.6796834	21	—	—
404903 2014 KD_{87}	15.3	X	56.50690	166.88465	128.69352	22.61658	0.0629191	0.17688232	3.1430148	21	10 18.4	20.1
404904 2014 KJ_{89}	17.1	X	50.69222	110.26825	116.19572	7.42150	0.0577773	0.28945320	2.2633435	21	7 4.3	19.6
404905 2014 KM_{89}	17.8	X	305.61678	153.37189	118.84952	6.78479	0.1922588	0.26273152	2.4143187	21	3 6.9	21.1
404906 2014 KP_{91}	17.3	X	303.40333	42.89861	193.92196	2.17486	0.1583389	0.25429906	2.4673999	21	1 20.7	20.7
404907 2014 KB_{92}	16.8	X	219.62287	143.16134	138.92045	13.61278	0.1714728	0.23226188	2.6211030	21	—	—
404908 2014 KH_{92}	17.5	X	12.76099	31.89328	269.18321	6.09788	0.1266049	0.28655843	2.2785607	21	8 28.5	19.6
404909 2014 KM_{92}	15.4	X	331.57949	184.46126	178.69317	12.01985	0.0423906	0.17099563	3.2147414	21	9 5.6	19.7
404910 2014 KP_{95}	16.6	X	210.84992	72.97702	203.58411	14.01735	0.0987837	0.22764002	2.6564622	21	—	—
404911 2014 KD_{96}	15.6	X	16.32119	230.07966	94.08689	10.35226	0.0446003	0.17426509	3.1744059	21	9 25.1	20.0
404912 2014 KW_{96}	16.4	X	246.22710	287.69385	156.81247	7.63702	0.0564413	0.17345323	3.1843035	21	8 26.9	20.9
404913 2014 KL_{97}	15.6	X	66.52534	83.76115	215.41983	16.82300	0.1288519	0.18179462	3.0861381	21	11 5.7	19.9
404914 2014 KB_{98}	16.3	X	113.99683	153.44729	80.80520	6.13522	0.1263490	0.17960885	3.1111257	21	10 11.5	21.2
404915 2014 KH_{98}	18.0	X	329.24122	151.97934	100.42309	3.15826	0.1520353	0.26650873	2.3914525	21	3 18.2	20.5
404916 2014 KU_{98}	17.0	X	329.38552	56.68332	224.35969	2.92008	0.1722167	0.27457728	2.3443709	21	4 23.0	19.4
404917 2014 KO_{100}	18.0	X	348.94427	268.93357	74.69364	7.21790	0.1655257	0.30308237	2.1949718	21	10 2.6	19.6
404918 2014 LR	15.7	X	38.26592	198.75488	133.78089	14.08900	0.2673653	0.17587979	3.1549472	21	12 2.9	20.1
404919 2014 LF_{11}	16.9	X	227.42369	190.03923	122.33450	4.04034	0.1612505	0.23348899	2.6119115	21	2 11.9	21.1
404920 2014 LG_{11}	17.6	X	30.15823	166.57025	110.26090	6.98855	0.1623815	0.28824601	2.2696585	21	9 5.5	19.7
404921 2014 LW_{12}	17.1	X	228.52750	181.12659	104.70400	6.57836	0.1248728	0.23730439	2.5838395	21	1 11.9	21.1
404922 2014 LZ_{12}	17.2	X	306.90208	1.39279	249.01363	10.79397	0.2040445	0.25692745	2.4505433	21	1 31.9	20.9
404923 2014 LN_{13}	17.0	X	305.47474	183.56925	91.26383	5.58931	0.1451308	0.26392988	2.4070051	21	3 17.9	20.1
404924 2014 LT_{13}	16.8	X	290.31163	319.94879	280.55702	11.52773	0.2606668	0.24106092	2.5569261	21	1 3.7	21.0
404925 2014 LA_{14}	17.5	X	16.64002	2.28418	199.11349	7.26312	0.1183307	0.27108809	2.3644443	21	3 29.0	19.5
404926 2014 LN_{15}	16.3	X	275.53524	134.54277	120.84454	10.10600	0.0799809	0.23327447	2.6135124	21	1 26.5	19.8
404927 2014 LU_{15}	15.9	X	60.42110	12.32906	119.55946	28.06604	0.0568661	0.23840045	2.5759139	21	3 16.7	19.6
404928 2014 LL_{17}	17.3	X	9.25299	57.40949	221.66429	5.62956	0.2741133	0.28231262	2.3013492	21	7 30.1	18.4
404929 2014 LG_{18}	16.6	X	191.58293	252.64730	90.64200	15.26125	0.1762899	0.24357867	2.5392758	21	2 21.0	21.0
404930 2014 LF_{20}	17.7	X	346.75031	85.04921	187.79800	5.52088	0.1204816	0.27878239	2.3207364	21	5 22.7	19.9
404931 2014 LG_{20}	17.7	X	80.99035	17.40879	147.40471	5.65195	0.0919269	0.27910325	2.3189575	21	5 27.8	20.4
404932 2014 LG_{22}	16.9	X	264.10223	98.31186	120.48919	12.65851	0.1329863	0.23101610	2.6305176	21	—	—
404933 2014 LR_{23}	15.8	X	79.71212	174.02399	120.59428	10.44563	0.1380415	0.18242288	3.0790483	21	11 18.9	20.5
404934 2014 MF_{4}	17.1	X	322.37273	177.12839	120.61965	7.13345	0.1281340	0.26612989	2.3937214	21	5 17.4	19.7
404935 2014 ML_{7}	16.3	X	188.81124	28.69442	249.58400	13.72169	0.1532782	0.22231815	2.6986885	21	—	—
404936 2014 MN_{7}	17.3	X	313.33403	222.72128	121.65020	14.07672	0.2731702	0.27464658	2.3439765	21	6 14.8	19.9
404937 2014 MP_{7}	15.5	X	146.93084	321.82543	284.50559	16.61928	0.1454906	0.18201766	3.0836165	21	11 21.6	20.8
404938 2014 MT_{7}	15.5	X	93.81159	125.47408	126.50421	26.79666	0.1667265	0.17520443	3.1630496	21	10 23.4	20.9
404939 2014 MR_{9}	17.9	X	15.63941	147.45722	130.45825	6.15438	0.1938533	0.29045354	2.2581438	21	8 8.5	19.2
404940 2014 MG_{11}	16.4	X	95.02284	158.99685	165.02700	7.54337	0.1074089	0.18675319	3.0312659	21	—	—
404941 2014 MW_{14}	16.2	X	60.79173	74.25517	278.19861	10.12603	0.2008759	0.17881369	3.1203420	21	—	—
404942 2014 MJ_{20}	16.1	X	316.24111	306.61823	246.15703	12.53914	0.0716996	0.22236908	2.6982765	21	—	—
404943 6824 $P–L$	16.8	X	224.84386	202.85253	165.04961	6.01615	0.3341705	0.23777253	2.5804469	21	4 12.5	21.6
404944 3493 $T–3$	16.8	X	103.78493	284.58486	35.33491	2.05347	0.3963945	0.18575834	3.0420791	21	—	—
404945 1981 EM_{32}	16.3	X	331.30985	196.22616	344.60214	14.88062	0.1841940	0.21850197	2.7300199	21	—	—
404946 1993 TO_{26}	16.2	X	48.20727	207.07315	193.14705	16.25900	0.2478726	0.18312730	3.0711473	21	—	—
404947 1995 SR_{15}	16.6	X	90.49146	91.17204	350.03366	16.52795	0.1013506	0.20882327	2.8137367	21	2 26.7	20.2
404948 1995 YL_{9}	16.0	X	266.86014	287.51293	283.90429	8.31382	0.0087031	0.19323475	2.9630972	21	—	—
404949 1996 GA_{4}	16.3	X	350.10368	158.48358	42.56929	15.69888	0.0425776	0.23249596	2.6193434	21	3 7.9	19.9
404950 1996 TG_{4}	16.5	X	178.59924	171.30767	204.33300	10.68591	0.3278852	0.21917057	2.7244650	21	3 21.7	21.6
404951 1996 TV_{18}	16.6	X	166.55552	330.67560	32.31297	10.16526	0.2058510	0.21531223	2.7569164	21	2 27.5	21.3
404952 1996 TQ_{28}	16.8	X	170.54773	325.05508	48.39269	9.85566	0.1827756	0.21756931	2.7378162	21	3 13.9	21.4
404953 1996 VA_{25}	15.7	X	332.98989	157.74100	226.66701	14.65484	0.1454636	0.15445487	3.4403423	21	9 24.9	20.0
404954 1996 XX_{17}	18.0	X	231.87982	5.76412	47.35576	2.47990	0.1814949	0.26566765	2.3964972	21	6 18.8	21.6
404955 1997 SK_{11}	16.9	X	202.97571	20.26132	353.58524	7.19026	0.3126730	0.23214264	2.6220005	21	4 3.2	21.8
404956 1998 BN_{9}	17.6	X	277.28139	120.29990	307.99718	7.29666	0.1431342	0.27887312	2.3202331	21	9 8.6	20.3
404957 1998 BU_{38}	17.7	X	148.39201	94.70581	304.97915	3.90708	0.1705384	0.22051323	2.7133945	21	3 17.4	21.9
404958 1998 DF_{11}	17.4	X	88.30674	152.22172	329.70517	30.97968	0.2664034	0.38803901	1.8615975	21	3 24.3	19.3
404959 1998 RS_{13}	15.9	X	66.57598	29.30106	345.88354	16.64204	0.0897267	0.18381938	3.0634339	21	—	—
404960 1998 RM_{56}	15.4	X	110.40714	334.62087	351.29519	17.79048	0.1655151	0.18282031	3.0745844	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
404961 1998 SW_8	16.3	X	118.04914	188.12468	186.67832	8.81030	0.1072103	0.18751516	3.0230486	21	1 11.6	20.7
404962 1998 SL_{40}	17.8	X	213.57135	44.02416	0.51503	7.17496	0.2329811	0.24566930	2.5248493	21	5 17.9	22.2
404963 1998 SD_{52}	17.2	X	46.39354	29.71954	339.28750	0.99658	0.1790179	0.17876038	3.1209624	21	—	—
404964 1998 SL_{97}	15.1	X	99.05227	350.18783	12.57847	20.75991	0.1216926	0.18443285	3.0566370	21	—	—
404965 1998 TP_8	17.1	X	62.89984	317.81204	31.43812	10.89016	0.2229552	0.17737432	3.1372001	21	—	—
404966 1998 TQ_{22}	16.9	X	75.77822	353.97277	20.87066	1.24496	0.1732745	0.18098422	3.0953440	21	—	—
404967 1999 BV_{28}	17.6	X	304.88293	152.51541	305.62458	5.62997	0.1898840	0.29816385	2.2190447	21	12 24.9	18.8
404968 1999 TE_{43}	18.1	X	236.14948	108.74073	313.77221	0.77250	0.1832042	0.26176426	2.4202625	21	7 5.7	21.5
404969 1999 TL_{58}	16.3	X	56.06679	326.24975	53.17936	11.37007	0.0568488	0.18576616	3.0419938	21	—	—
404970 1999 TR_{207}	15.3	X	110.32936	104.75874	279.28983	13.89447	0.1729654	0.19544135	2.9407521	21	1 20.3	19.4
404971 1999 TY_{214}	17.8	X	302.06404	206.99056	175.31241	3.32968	0.2684634	0.26493624	2.4009059	21	7 21.7	20.2
404972 1999 TJ_{264}	15.7	X	255.83600	211.39221	206.36955	3.42241	0.1853029	0.12402614	3.9822383	21	7 17.9	21.6
404973 1999 UF_{57}	16.2	X	120.61869	3.18178	224.95007	10.72047	0.0304417	0.17515827	3.1636053	21	9 26.5	20.9
404974 1999 VF_{75}	17.6	X	297.37852	125.82442	219.39110	5.06238	0.1206210	0.26000492	2.4311682	21	6 15.2	20.4
404975 1999 VM_{80}	16.1	X	81.94738	182.94522	219.30177	15.49466	0.2414783	0.19212436	2.9745031	21	1 13.3	20.0
404976 1999 VT_{107}	15.6	X	27.55657	181.37009	237.09153	15.62320	0.0781374	0.18569889	3.0427284	21	—	—
404977 1999 VA_{113}	14.7	X	302.82857	301.80753	71.64274	10.42725	0.3320323	0.12505015	3.9604686	21	6 29.1	19.9
404978 1999 WC_{19}	16.3	X	330.78296	29.79149	57.42911	11.60520	0.1381222	0.18259453	3.0771184	21	12 20.7	20.0
404979 1999 XQ_{139}	15.8	X	304.01008	298.80895	66.46156	4.72753	0.3200383	0.12583884	3.9439032	21	6 22.6	21.0
404980 1999 XH_{145}	16.1	X	100.12565	125.24435	230.83724	10.62506	0.0712401	0.18882769	3.0090236	21	—	—
404981 1999 XR_{251}	16.8	X	30.25235	237.03503	206.69144	2.89760	0.1566460	0.18873394	3.0100200	21	—	—
404982 1999 XG_{255}	15.5	X	348.38190	330.07845	101.55286	12.10834	0.0675059	0.17787121	3.1313548	21	12 25.7	19.5
404983 1999 XO_{260}	16.0	X	10.16428	170.46414	258.21266	11.87100	0.1494244	0.18353720	3.0665731	21	—	—
404984 1999 YE_8	16.7	X	55.41446	318.02816	104.37889	6.40838	0.1415658	0.18599292	3.0395207	21	—	—
404985 2000 AJ_{220}	15.8	X	338.87699	164.79778	304.00509	10.10798	0.1295854	0.18071919	3.0983695	21	—	—
404986 2000 BL_{39}	16.4	X	213.12405	77.23989	129.38445	8.00713	0.1128276	0.17414338	3.1758848	21	12 9.8	21.3
404987 2000 CA_3	15.4	X	331.48903	121.89914	329.77339	26.17243	0.3751435	0.17804167	3.1293557	21	—	—
404988 2000 CL_{73}	16.5	X	66.47143	199.97015	193.56894	0.54257	0.2210070	0.18297514	3.0728498	21	—	—
404989 2000 DJ_{89}	16.2	X	18.91185	98.53869	323.94656	8.86703	0.0931618	0.17787826	3.1312720	21	—	—
404990 2000 DB_{111}	17.0	X	316.40007	239.22900	341.90859	2.94031	0.1990149	0.23167287	2.6255438	21	1 16.1	20.4
404991 2000 EU_4	16.0	X	259.39968	170.55641	333.25839	11.31715	0.0687379	0.17160938	3.2070719	21	11 18.4	20.7
404992 2000 GB_3	15.9	X	306.22796	320.52483	190.19021	27.82744	0.2360141	0.17540935	3.1605856	21	—	—
404993 2000 GR_{132}	17.1	X	226.85725	47.04230	186.95327	15.41533	0.3719544	0.21671355	2.7450189	21	—	—
404994 2000 QZ_{186}	16.6	X	172.20526	355.92971	4.90635	6.96825	0.2854633	0.21335927	2.7737141	21	3 2.6	21.5
404995 2000 QA_{210}	17.8	X	281.45215	164.89218	194.96255	2.50051	0.2641716	0.27489777	2.3425484	21	5 21.8	21.0
404996 2000 RZ_{36}	16.4	X	193.73198	157.81023	173.56008	21.88307	0.2186738	0.21326882	2.7744984	21	2 6.4	21.4
404997 2000 RA_{85}	16.2	X	159.16966	2.93059	352.06072	13.69759	0.2029629	0.21085745	2.7956110	21	2 11.4	20.8
404998 2000 SP_{30}	17.1	X	173.10652	174.00914	168.41031	1.78968	0.2687439	0.21110090	2.7934613	21	2 7.8	21.9
404999 2000 SW_{262}	16.3	X	165.90143	7.69730	37.37841	11.55840	0.2947642	0.21432444	2.7653806	21	4 18.4	21.2
405000 2000 SQ_{288}	16.5	X	132.58548	161.59012	235.06638	7.18090	0.2278340	0.21034327	2.8001651	21	3 3.9	21.0
405001 2000 SY_{334}	17.7	X	342.87845	307.49520	54.25428	7.16814	0.2113148	0.28217068	2.3021209	21	10 15.4	19.0
405002 2000 SR_{365}	18.1	X	315.19803	219.88303	148.42313	3.92001	0.2609102	0.27965218	2.3159219	21	7 29.2	19.7
405003 2000 TX_{25}	16.6	X	157.53225	177.14069	188.24724	9.07175	0.1703706	0.20993938	2.8037553	21	2 13.8	21.2
405004 2000 TU_{48}	16.2	X	356.65695	348.88034	27.24238	26.55626	0.2308250	0.28474037	2.2882494	21	12 3.1	18.7
405005 2000 UJ_{18}	16.3	X	138.50573	20.20393	70.51863	8.10287	0.2814963	0.21373965	2.7704224	21	5 21.4	21.0
405006 2000 UH_{70}	17.5	X	287.21746	146.46391	249.48107	4.70617	0.2009200	0.27582139	2.3373159	21	7 29.1	20.1
405007 2000 VJ_{19}	18.3	X	343.94346	304.19750	48.98103	6.33694	0.2873867	0.28049966	2.3112548	21	10 8.1	19.0
405008 2000 VT_{41}	17.3	X	233.43398	168.44034	267.64628	4.23608	0.1993921	0.27243013	2.3566728	21	7 18.9	20.8
405009 2000 VO_{53}	17.8	X	264.64330	12.29081	30.55057	6.70298	0.2553786	0.27325076	2.3519520	21	7 1.8	21.3
405010 2000 WL_{13}	16.8	X	302.85844	351.07591	70.67976	25.95067	0.2479334	0.27881583	2.3205509	21	10 22.5	19.2
405011 2000 WT_{80}	16.7	X	122.99294	37.38627	48.35284	8.59118	0.1995244	0.20981569	2.8048571	21	4 24.8	21.0
405012 2000 WP_{170}	17.6	X	299.90362	78.65657	316.43552	1.97877	0.2277818	0.27677561	2.3319407	21	8 16.2	19.5
405013 2000 YK_{94}	17.1	X	237.35933	293.54085	112.57711	6.04457	0.1993477	0.26667549	2.3904554	21	6 13.9	20.9
405014 2001 CZ_{28}	15.3	X	284.80483	143.50566	335.88157	27.22107	0.1124855	0.18142065	3.0903778	21	11 8.7	20.0
405015 2001 DW_{23}	15.7	X	280.29009	1.86174	140.56878	17.19550	0.2525286	0.18375404	3.0641601	21	11 28.2	19.8
405016 2001 DD_{55}	16.4	X	328.58346	167.19969	332.95302	5.43756	0.0813996	0.18868257	3.0105662	21	—	—
405017 2001 HE_{17}	17.2	X	204.34703	168.40810	214.00834	5.89133	0.0677766	0.24578525	2.5240551	21	4 16.4	20.6
405018 2001 PY_4	16.8	X	217.15497	69.38709	281.32132	11.18843	0.2914754	0.23077913	2.6323181	21	3 12.6	21.9
405019 2001 PY_{64}	18.3	X	97.52529	291.60703	335.67945	6.75204	0.2688934	0.30548390	2.1834529	21	11 24.5	22.0
405020 2001 QX	18.6	X	66.47695	160.54829	156.25076	6.86545	0.2496815	0.30587776	2.1815782	21	12 30.1	22.0
405021 2001 QN_{48}	16.7	X	220.91859	38.99238	330.34395	4.57400	0.3152157	0.23213779	2.6220371	21	4 9.2	21.5
405022 2001 QX_{128}	16.9	X	249.29598	150.59111	168.27186	14.18339	0.2681925	0.23190444	2.6237957	21	3 4.2	21.5
405023 2001 QO_{130}	16.3	X	223.90531	50.24908	309.52278	10.87243	0.2156068	0.23166312	2.6256174	21	3 30.2	21.0
405024 2001 QK_{189}	16.9	X	169.50318	90.23808	250.09806	10.64387	0.3547954	0.22182013	2.7027264	21	2 2.7	22.1
405025 2001 QM_{190}	16.0	X	143.21542	162.22928	253.61197	13.04321	0.1503508	0.22607398	2.6687158	21	3 25.8	20.4
405026 2001 QU_{207}	17.8	X	43.63007	6.65113	347.76236	7.12331	0.2322122	0.30542278	2.1837442	21	—	—
405027 2001 QZ_{251}	17.0	X	210.44295	214.97493	127.83366	5.88800	0.2611095	0.22863654	2.6487377	21	3 6.6	21.8
405028 2001 QC_{257}	16.8	X	224.42799	212.14581	144.60851	7.68895	0.2602716	0.22985999	2.6393306	21	4 2.7	21.5
405029 2001 QH_{288}	17.9	X	62.55641	177.72698	152.24215	3.68371	0.2116903	0.30552466	2.1832587	21	—	—
405030 2001 RD_9	15.8	X	106.50750	108.59089	253.22286	23.89774	0.1680521	0.21390708	2.7689765	21	—	—
405031 2001 RO_{36}	18.5	X	48.14639	112.28966	217.15086	4.68062	0.2005138	0.30358562	2.1925454	21	12 22.4	21.3
405032 2001 RO_{39}	17.6	X	214.58226	102.82005	227.89346	11.56194	0.2850153	0.22698745	2.6615512	21	2 17.5	22.7
405033 2001 RD_{98}	16.4	X	253.07019	99.50283	193.38595	12.42882	0.1171111	0.22514675	2.6760379	21	2 12.2	20.7
405034 2001 RW_{111}	16.7	X	179.69711	251.38497	167.36732	13.08358	0.1601322	0.23137247	2.6278158	21	5 12.8	21.1
405035 2001 RO_{113}	17.0	X	215.30708	28.89796	8.19787	5.48355	0.3052264	0.23263084	2.6183308	21	5 9.0	21.8
405036 2001 RT_{119}	17.9	X	0.45431	331.47481	21.72270	5.87125	0.1813322	0.29886466	2.2155744	21	11 8.5	19.6
405037 2001 SQ_{24}	17.8	X	48.39034	183.88467	358.31915	20.66852	0.0141265	0.38008854	1.8874677	21	4 1.3	19.5
405038 2001 SS_{48}	17.7	X	233.80670	339.49866	14.49097	20.96563	0.0763864	0.37966545	1.8888697	21	3 30.9	19.6
405039 2001 SJ_{60}	16.5	X	152.07144	135.91667	211.68671	6.15132	0.3142747	0.21819819	2.7325531	21	1 29.9	21.2
405040 2001 SC_{85}	16.7	X	157.96447	225.24498	175.33842	18.79063	0.1726789	0.22626665	2.6672006	21	3 30.4	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
405041 2001 SO_{89}	18.9	X	24.33375	148.79980	223.50397	2.91400	0.1976021	0.30391811	2.1909459	21	—	—
405042 2001 SY_{102}	17.4	X	182.85057	58.32125	277.58970	1.94582	0.2237278	0.22219844	2.6996577	21	2 4.2	22.1
405043 2001 SM_{116}	17.6	X	264.34979	272.41920	11.75692	20.86721	0.0575819	0.37411565	1.9075040	21	2 6.6	20.2
405044 2001 SB_{127}	18.1	X	347.67851	77.02217	346.91731	5.43717	0.3484090	0.30186051	2.2008909	21	—	—
405045 2001 SM_{129}	16.6	X	212.09560	319.69353	346.15013	9.68796	0.1936995	0.22313299	2.6921145	21	1 25.4	21.3
405046 2001 SR_{166}	17.1	X	207.29144	166.65757	178.87296	4.07555	0.2175871	0.22657040	2.6648163	21	3 5.7	21.8
405047 2001 SL_{185}	17.0	X	201.28065	308.41786	352.80644	11.93640	0.1707586	0.22236251	2.6983296	21	1 10.9	21.6
405048 2001 SP_{191}	17.0	X	144.24888	274.17176	67.50321	1.93863	0.2140669	0.21808680	2.7334835	21	1 9.4	21.1
405049 2001 SK_{193}	16.8	X	136.96725	262.68572	169.12561	14.65612	0.1795072	0.22627503	2.6671348	21	4 20.1	21.0
405050 2001 SM_{198}	17.3	X	227.83440	196.17067	152.54488	3.23206	0.2184143	0.23012273	2.6373213	21	3 26.5	21.9
405051 2001 SL_{199}	16.7	X	271.83603	267.98207	14.55741	4.66625	0.1998544	0.22941460	2.6427455	21	2 15.1	20.8
405052 2001 SR_{215}	16.9	X	122.84957	78.03061	353.31493	9.12874	0.1215903	0.22511133	2.6763186	21	3 24.1	20.7
405053 2001 SQ_{225}	18.4	X	27.68086	159.20564	185.27939	4.77221	0.1835811	0.30061741	2.2069541	21	12 14.4	20.9
405054 2001 SJ_{255}	17.8	X	332.05390	20.74476	40.78760	5.63816	0.1541922	0.29973919	2.2112628	21	12 26.6	19.5
405055 2001 SN_{259}	17.3	X	238.33702	221.72625	134.37260	5.15843	0.1805761	0.23236439	2.6203321	21	4 16.6	21.5
405056 2001 SN_{287}	17.9	X	227.70791	137.96950	212.02389	19.26375	0.1589786	0.37932426	1.8900022	21	3 9.2	20.8
405057 2001 SO_{352}	16.9	X	186.29815	79.44456	293.80855	11.70889	0.1998207	0.22528642	2.6749318	21	3 15.9	21.7
405058 2001 TX_{16}	14.1	X	313.24375	53.55031	69.32968	8.13376	0.5997486	0.14581590	3.5749184	21	10 19.1	17.6
405059 2001 TO_{17}	16.7	X	179.09520	20.98756	342.05088	9.46933	0.1999001	0.22356957	2.6886086	21	3 4.1	21.2
405060 2001 TT_{18}	18.5	X	198.28527	11.58484	7.87290	21.07910	0.0648854	0.37695777	1.8979041	21	3 23.3	20.5
405061 2001 TC_{30}	16.8	X	219.76668	339.74611	5.62917	6.60051	0.2102233	0.22646766	2.6656222	21	3 16.5	21.4
405062 2001 TN_{52}	16.7	X	169.49877	354.25206	31.46942	15.31118	0.2489230	0.22414344	2.6840176	21	3 29.9	21.4
405063 2001 TL_{86}	17.0	X	141.24300	156.50273	282.75802	2.05621	0.3268090	0.22407412	2.6845711	21	5 11.1	21.7
405064 2001 TV_{153}	17.3	X	295.96857	162.24767	301.33515	7.01769	0.1660574	0.29998596	2.2100500	21	12 13.8	18.8
405065 2001 TA_{162}	17.1	X	156.31601	8.42930	0.85426	5.58098	0.1527715	0.22096998	2.7096542	21	2 17.9	21.2
405066 2001 TS_{182}	16.9	X	174.37322	38.77667	10.67794	11.21409	0.2552132	0.22561605	2.6723257	21	4 24.1	21.7
405067 2001 TM_{183}	18.1	X	59.01050	114.05410	203.27288	7.97689	0.2213729	0.30250546	2.1977616	21	12 20.4	21.4
405068 2001 TH_{225}	16.5	X	197.22447	272.72873	74.71868	13.51261	0.2887671	0.22358074	2.6885190	21	3 8.5	21.6
405069 2001 TG_{231}	17.8	X	30.93665	282.05049	98.31720	5.88014	0.1887768	0.30450424	2.1881335	21	—	—
405070 2001 TN_{257}	16.7	X	71.58341	24.55805	47.01218	10.07048	0.1739625	0.21500034	2.7595819	21	1 25.2	19.9
405071 2001 TT_{258}	17.4	X	164.94400	267.73705	128.01178	4.58114	0.1358810	0.22452780	2.6809537	21	3 29.4	21.5
405072 2001 UT_{8}	17.8	X	38.35859	310.90533	17.57210	6.93858	0.2626100	0.30016147	2.2091884	21	12 17.2	20.7
405073 2001 UL_{43}	17.1	X	124.71897	343.96343	43.43583	9.65780	0.2218517	0.21712877	2.7415182	21	2 19.1	21.3
405074 2001 UU_{58}	17.0	X	153.14890	182.49100	211.82596	12.04641	0.1581711	0.22208379	2.7005868	21	3 12.9	21.4
405075 2001 UU_{62}	16.9	X	237.08127	295.37536	16.32887	13.52019	0.1881150	0.22543096	2.6737882	21	2 24.4	21.5
405076 2001 UP_{72}	16.5	X	187.97590	283.51170	112.18781	11.86744	0.1715853	0.22636129	2.6664571	21	4 24.5	21.1
405077 2001 US_{77}	17.3	X	149.43492	340.90048	57.76637	5.12694	0.1759001	0.22122908	2.7075381	21	3 21.8	21.5
405078 2001 UK_{85}	17.8	X	152.33203	228.43400	180.34933	1.98672	0.1972585	0.22405480	2.6847254	21	4 5.1	22.2
405079 2001 UB_{105}	17.1	X	189.67226	150.32467	201.56585	11.04744	0.1855734	0.22253416	2.6969419	21	2 24.5	21.8
405080 2001 UL_{142}	18.1	X	304.60702	14.42073	54.64646	6.84968	0.1784661	0.29567816	2.2314640	21	11 4.6	19.4
405081 2001 UH_{172}	17.1	X	199.09642	342.93950	56.95814	3.66063	0.1042794	0.22879523	2.6475128	21	5 4.9	21.2
405082 2001 UO_{204}	16.9	X	208.73508	100.17174	222.97029	8.73225	0.3163588	0.22331744	2.6906319	21	2 6.9	22.0
405083 2001 UG_{209}	16.7	X	180.46516	314.83168	99.74066	8.31820	0.2385917	0.22700130	2.6614429	21	5 9.7	21.4
405084 2001 UG_{218}	17.1	X	186.76077	239.94558	129.15798	11.93574	0.2190553	0.22284628	2.6944230	21	3 22.2	21.8
405085 2001 UQ_{231}	17.2	X	170.29825	224.04639	171.22696	6.57598	0.1182935	0.22553552	2.6729618	21	3 31.9	21.2
405086 2001 VS_{74}	16.8	X	169.93544	329.39404	51.12410	6.69510	0.0580061	0.22053583	2.7132092	21	3 12.1	20.7
405087 2001 WC_{20}	16.9	X	110.99290	35.27926	42.63776	15.15176	0.1980902	0.21982781	2.7190318	21	4 5.0	20.9
405088 2001 WN_{32}	17.8	X	330.37814	338.27959	78.51654	5.35815	0.1369226	0.29724404	2.2236202	21	12 12.9	19.3
405089 2001 WD_{72}	17.4	X	250.54984	248.43672	224.51204	4.82966	0.1226876	0.29275986	2.2462686	21	10 10.6	20.1
405090 2001 XK_{32}	17.2	X	184.41727	177.56954	242.76216	0.45709	0.1251578	0.22693090	2.6619933	21	5 15.8	21.4
405091 2001 XT_{32}	17.4	X	138.60495	170.28087	236.84703	8.73685	0.2426807	0.21967881	2.7202612	21	3 22.4	21.9
405092 2001 XM_{46}	16.9	X	123.10297	25.11411	54.36582	9.23791	0.2937669	0.21725903	2.7404223	21	4 26.8	21.3
405093 2001 XW_{88}	16.8	X	102.64969	150.69349	288.99157	6.06405	0.2845481	0.21601874	2.7509019	21	4 1.2	20.8
405094 2001 XE_{91}	16.2	X	126.25579	168.23041	253.75502	13.56244	0.1725915	0.21886682	2.7269851	21	3 18.1	20.5
405095 2001 XL_{141}	16.9	X	137.23109	281.42897	103.71189	4.09577	0.0963495	0.21537422	2.7563873	21	2 11.2	20.8
405096 2001 XF_{174}	16.9	X	93.44389	351.84477	108.51130	10.85910	0.2372388	0.21530948	2.7569398	21	4 18.9	20.8
405097 2001 XY_{198}	16.2	X	94.93320	328.45925	113.84549	18.76908	0.1182188	0.21213431	2.7843817	21	3 11.7	20.2
405098 2001 XG_{217}	16.8	X	87.32469	5.64980	99.37288	10.08314	0.1718499	0.21464521	2.7626248	21	4 6.8	20.5
405099 2001 XY_{234}	16.2	X	92.93802	3.24699	75.50541	26.83368	0.1120730	0.21449486	2.7639156	21	3 11.8	20.5
405100 2001 YZ_{8}	17.3	X	140.74600	104.18250	309.16506	3.80071	0.2745025	0.21954818	2.7213401	21	4 4.8	22.0
405101 2001 YQ_{14}	16.5	X	105.88014	330.82845	75.55992	5.47189	0.0677578	0.21266094	2.7797830	21	1 27.0	20.2
405102 2002 AZ_{43}	16.8	X	146.96479	279.59216	132.51761	4.19106	0.1946998	0.21746991	2.7386504	21	4 6.1	21.1
405103 2002 AH_{55}	17.4	X	279.78444	153.95176	277.28563	4.35162	0.0912914	0.28693690	2.2765566	21	9 27.3	19.9
405104 2002 AN_{68}	18.0	X	314.04552	89.97221	310.23034	1.94342	0.1444993	0.28888997	2.2662844	21	10 7.9	19.8
405105 2002 BJ_{26}	18.0	X	340.74608	98.67019	336.99763	23.24800	0.3789497	0.29834497	2.2181465	21	—	—
405106 2002 CE_{60}	17.6	X	191.14706	158.68724	327.40418	6.49008	0.1308375	0.28053664	2.3110517	21	8 17.4	20.9
405107 2002 CY_{70}	17.9	X	267.14201	330.91590	139.24992	5.38736	0.1167685	0.28852916	2.2681733	21	11 4.8	20.3
405108 2002 CF_{98}	16.9	X	243.37297	308.37840	151.09953	23.39246	0.1984083	0.28295970	2.2978394	21	9 1.5	20.1
405109 2002 CB_{246}	18.3	X	301.76721	265.16598	149.35350	7.02217	0.0984320	0.28645271	2.2791213	21	10 14.7	20.5
405110 2002 CL_{252}	16.0	X	228.87570	272.97721	290.89929	12.60740	0.2095142	0.19232768	2.9724064	21	12 14.2	20.6
405111 2002 CG_{260}	18.0	X	275.05943	109.62605	320.60709	4.91191	0.1519841	0.28455762	2.2892290	21	9 8.7	20.5
405112 2002 DK_{19}	17.7	X	304.05037	87.00049	142.37112	23.43223	0.0595130	0.36107330	1.9531659	21	1 3.3	20.3
405113 2002 ED_{4}	18.0	X	151.74308	352.59495	162.24493	1.11647	0.1271646	0.27483448	2.3429080	21	8 14.1	21.2
405114 2002 EE_{82}	16.5	X	241.96312	222.56956	336.40455	11.80452	0.2191180	0.18999694	2.9966658	21	12 20.5	21.1
405115 2002 EO_{162}	17.6	X	21.73262	256.62202	333.49191	5.34702	0.0954074	0.26733094	2.3865465	21	5 22.4	20.1
405116 2002 FQ_{15}	17.4	X	171.00467	45.79744	111.42487	6.00969	0.1678408	0.27722956	2.3293944	21	9 8.4	21.1
405117 2002 FG_{22}	17.2	X	238.91035	134.58320	17.08910	24.39116	0.1749578	0.28699685	2.2762395	21	11 1.6	20.5
405118 2002 FN_{30}	17.4	X	29.18366	113.52717	23.64038	20.43731	0.0902553	0.35681756	1.9686654	21	—	—
405119 2002 FW_{33}	16.7	X	236.09487	35.43596	148.51361	14.35176	0.2755575	0.18743316	3.0239302	21	11 23.2	21.7
405120 2002 FS_{41}	16.6	X	179.72464	55.78400	174.24413	5.68708	0.2106215	0.18321718	3.0701428	21	12 1.3	21.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
405121 2002 GF_2	16.7	X	8.96678	145.15736	126.57015	15.06949	0.0755269	0.26413976	2.4057299	21	7 4.1	19.4
405122 2002 GO_2	17.6	X	9.65202	235.68871	6.50359	6.80474	0.3087921	0.26035547	2.4289854	21	5 13.6	18.6
405123 2002 GB_5	15.9	X	288.15575	115.38225	67.02474	11.93323	0.0317090	0.19300699	2.9654278	21	—	—
405124 2002 GS_{51}	16.1	X	136.99732	82.69190	187.04053	16.02321	0.1943940	0.18051935	3.1006557	21	12 12.7	21.6
405125 2002 GM_{112}	17.2	X	61.05777	110.94906	90.64632	5.83343	0.1644712	0.26421790	2.4052555	21	7 1.6	19.8
405126 2002 GU_{121}	16.3	X	170.61529	10.60126	205.05418	10.84014	0.2297297	0.18037462	3.1023141	21	11 7.5	21.7
405127 2002 GB_{135}	17.9	X	3.69673	288.10270	302.13627	1.07829	0.1738887	0.25995861	2.4314569	21	4 15.1	20.0
405128 2002 GU_{162}	15.8	X	129.80185	241.92432	29.51775	17.85972	0.2191792	0.17939175	3.1136352	21	12 5.7	21.3
405129 2002 HW_8	18.3	X	145.16674	29.88407	55.30205	5.83549	0.1765039	0.36429600	1.9416299	21	5 3.7	20.7
405130 2002 JO_9	17.7	X	20.55361	22.92038	221.54624	4.91908	0.0572920	0.26198792	2.4188849	21	6 11.9	20.4
405131 2002 JV_{17}	16.1	X	123.81799	26.85534	233.60437	4.05641	0.2494547	0.17554585	3.1589470	21	11 23.2	21.4
405132 2002 JH_{36}	16.4	X	112.20848	44.34839	223.07000	11.22470	0.3160934	0.17280632	3.1922456	21	11 26.0	22.1
405133 2002 LB_{15}	15.0	X	164.01122	19.83508	254.65094	22.78633	0.1054829	0.18102658	3.0948610	21	—	—
405134 2002 PU_{110}	16.1	X	81.66085	200.56399	165.28951	15.77486	0.2551972	0.17169745	3.2059751	21	—	—
405135 2002 PJ_{177}	15.3	X	33.84391	71.61819	326.36428	18.93089	0.1685110	0.17104498	3.2141231	21	—	—
405136 2002 PK_{180}	16.6	X	20.03179	88.73726	314.20003	5.70484	0.1903437	0.16858512	3.2453127	21	—	—
405137 2002 PE_{202}	17.0	X	5.76758	232.84859	317.76239	10.70238	0.0089530	0.24244471	2.5471874	21	3 4.3	20.4
405138 2002 QC_3	17.2	X	259.01466	14.01465	299.74555	10.76303	0.1633230	0.24462653	2.5320193	21	3 7.6	21.2
405139 2002 QE_{34}	15.4	X	32.46560	277.01789	152.49600	18.62488	0.2283031	0.17155712	3.2077233	21	—	—
405140 2002 QR_{121}	16.0	X	26.13296	211.57233	192.26631	5.03683	0.1849923	0.16852237	3.2461183	21	—	—
405141 2002 QP_{138}	16.9	X	230.53837	202.40364	143.82874	15.59885	0.1107090	0.24517830	2.5282190	21	4 1.9	20.9
405142 2002 RF_{179}	17.8	X	198.36167	31.27531	351.76942	4.08497	0.1959108	0.24099775	2.5573729	21	4 10.6	22.1
405143 2002 RZ_{182}	17.2	X	171.78132	126.07042	234.86718	12.46486	0.2286511	0.23503049	2.6004784	21	2 18.7	21.8
405144 2002 RD_{218}	16.7	X	190.60496	14.82140	7.19691	12.89794	0.1898472	0.24107248	2.5568444	21	4 2.8	21.0
405145 2002 RS_{245}	17.4	X	157.67833	59.70168	351.72267	4.14154	0.1755911	0.24062484	2.5600144	21	4 9.0	21.4
405146 2002 RJ_{255}	17.4	X	226.72863	332.65793	39.83682	2.64190	0.2218214	0.24567942	2.5247800	21	4 21.6	21.6
405147 2002 RD_{266}	18.1	X	210.57560	35.92816	336.19821	11.58653	0.2094452	0.24245171	2.5471385	21	4 3.6	22.6
405148 2002 RN_{288}	17.9	X	227.18014	159.70411	170.27025	3.03260	0.0995261	0.24011446	2.5636408	21	3 5.3	21.8
405149 2002 SE_{12}	17.2	X	185.22513	311.98575	58.34351	3.14364	0.1715870	0.23706581	2.5855728	21	3 17.3	21.3
405150 2002 ST_{48}	17.7	X	202.81084	274.80206	120.80989	2.22794	0.3141184	0.24190271	2.5509908	21	4 30.6	22.4
405151 2002 SH_{64}	17.2	X	243.55171	342.08242	4.31218	10.99864	0.1973199	0.24583949	2.5236838	21	4 3.7	21.4
405152 2002 TM	17.4	X	252.31771	352.47639	12.76149	13.08605	0.1732851	0.24711360	2.5150017	21	5 5.3	21.5
405153 2002 TH_{64}	16.5	X	69.46148	118.15802	351.60989	9.71197	0.0914614	0.23278613	2.6171663	21	2 26.5	19.5
405154 2002 TN_{64}	17.9	X	249.93562	66.46767	284.46883	2.99080	0.2854896	0.24498655	2.5295381	21	4 8.7	22.2
405155 2002 TY_{97}	16.5	X	307.36167	332.75271	317.15439	14.35126	0.0763048	0.24542151	2.5265485	21	4 11.9	20.1
405156 2002 TW_{149}	17.0	X	185.97685	344.45744	12.72182	11.96774	0.0902317	0.23589269	2.5941379	21	3 1.4	20.9
405157 2002 TW_{209}	17.1	X	230.50131	333.65955	45.70193	12.92252	0.1967367	0.24447466	2.5330678	21	5 4.8	21.3
405158 2002 TS_{244}	17.9	X	265.11454	107.45109	209.12524	3.83471	0.2504561	0.24288206	2.5441288	21	3 13.6	22.1
405159 2002 TS_{312}	17.6	X	254.02063	250.35064	84.98288	7.86980	0.2811343	0.24356512	2.5393700	21	3 30.1	22.0
405160 2002 TX_{333}	16.9	X	65.91417	113.88418	39.20645	6.69146	0.1376545	0.23895348	2.5719379	21	4 26.1	19.5
405161 2002 TX_{348}	17.0	X	262.36197	206.67588	78.61806	15.28870	0.0860025	0.23473028	2.6026952	21	2 23.4	21.1
405162 2002 TG_{367}	17.6	X	193.58429	267.87419	116.48286	6.57987	0.1358250	0.23904710	2.5712663	21	4 11.9	21.7
405163 2002 UD_{32}	17.4	X	195.41496	171.10668	248.55723	5.35213	0.2959408	0.24090891	2.5580016	21	5 23.8	22.1
405164 2002 UY_{32}	17.7	X	235.21988	99.19844	265.40679	3.60287	0.3244676	0.24348843	2.5399032	21	4 12.5	22.4
405165 2002 UG_{37}	17.1	X	197.66371	163.82950	222.89749	9.01587	0.2110486	0.23910580	2.5708455	21	4 14.7	21.6
405166 2002 UO_{71}	16.1	X	338.33831	171.69152	38.08350	15.61935	0.0470103	0.23308423	2.6149344	21	3 2.0	19.7
405167 2002 VF_{13}	17.5	X	194.86179	186.36876	240.02460	6.77370	0.3252133	0.24137400	2.5547146	21	5 31.6	22.3
405168 2002 VL_{46}	16.6	X	243.02000	317.45141	66.12859	14.53154	0.1594458	0.24475575	2.5311280	21	5 25.2	20.5
405169 2002 VO_{56}	17.7	X	195.58315	221.44687	177.98971	5.56632	0.3110219	0.23977268	2.5660764	21	4 30.9	22.4
405170 2002 VK_{64}	17.4	X	193.84230	181.24083	252.55490	2.67607	0.2224520	0.24284799	2.5443667	21	6 9.8	21.7
405171 2002 VN_{102}	16.8	X	137.11734	118.58117	248.57859	10.05868	0.1927883	0.22752969	2.6573209	21	1 25.6	20.9
405172 2002 VE_{105}	17.4	X	176.50787	128.08832	311.98857	3.16402	0.2744823	0.23930743	2.5694013	21	6 3.9	22.1
405173 2002 VM_{106}	16.8	X	219.29334	349.61323	44.05523	8.87253	0.2726107	0.24188043	2.5511475	21	5 9.4	21.2
405174 2002 VR_{106}	17.0	X	216.15704	347.88092	29.70656	15.85910	0.1797757	0.24041870	2.5614776	21	4 20.4	21.1
405175 2002 VF_{113}	17.7	X	203.70013	177.65683	253.49714	1.68242	0.2906303	0.24268228	2.5455248	21	6 12.8	22.3
405176 2002 VB_{123}	16.8	X	247.87665	337.73799	26.90120	16.26013	0.2400234	0.24342402	2.5403512	21	4 26.8	20.9
405177 2002 VX_{125}	17.6	X	180.72799	181.67217	205.71336	25.68485	0.0447631	0.39242184	1.8477105	21	2 25.4	20.0
405178 2002 VN_{133}	17.4	X	209.21876	288.68715	67.55894	1.68995	0.3020283	0.23705410	2.5856579	21	3 19.8	22.1
405179 2002 WT_1	17.8	X	200.89974	170.06296	243.36019	2.43801	0.2522677	0.24093921	2.5577871	21	5 20.7	22.2
405180 2002 WF_2	17.7	X	204.48423	339.31416	69.61918	5.84510	0.2664580	0.24115890	2.5562335	21	5 18.1	22.1
405181 2002 XA_{22}	17.6	X	172.66549	148.99998	263.41730	4.18565	0.2615208	0.23680881	2.5874431	21	4 27.4	22.1
405182 2002 XU_{117}	17.6	X	145.25270	339.05687	106.49317	5.73415	0.2220276	0.23561750	2.5961574	21	5 16.6	21.8
405183 2002 YS_{15}	17.0	X	125.83410	144.71786	289.05319	12.64586	0.2562629	0.22864910	2.6486407	21	4 9.9	21.4
405184 2003 AC_{15}	16.0	X	200.53491	164.32094	251.84601	12.96700	0.2935283	0.23948136	2.5681570	21	5 23.0	20.7
405185 2003 AQ_{21}	16.9	X	245.46789	352.94310	41.83059	4.39496	0.3106815	0.24364999	2.5387803	21	5 28.4	21.2
405186 2003 AF_{42}	16.8	X	190.41114	201.99268	213.39640	4.84057	0.3140599	0.23643229	2.5901894	21	5 15.9	21.7
405187 2003 AV_{66}	16.3	X	230.79334	55.67194	346.14443	10.30092	0.2889475	0.24108506	2.5567554	21	5 25.1	21.0
405188 2003 AM_{75}	16.4	X	153.38509	89.34087	331.99764	16.11876	0.1753000	0.23114411	2.6295464	21	4 10.9	20.9
405189 2003 BO_1	20.6	X	1.78868	2.80902	140.80536	13.69755	0.0806009	0.64362572	1.3285578	21	—	—
405190 2003 BK_4	16.6	X	238.98317	235.28557	162.35472	7.66174	0.2769903	0.24106734	2.5568807	21	5 31.2	21.0
405191 2003 BE_5	17.1	X	53.34860	308.97962	169.65718	9.35068	0.0377775	0.21977432	2.7194730	21	2 9.3	20.6
405192 2003 BM_{30}	16.4	X	311.34351	219.81738	310.65847	8.47365	0.1569513	0.21151449	2.7898186	21	—	—
405193 2003 BJ_{59}	16.3	X	76.32833	151.17519	309.04325	7.87700	0.0816836	0.22108843	2.7086863	21	2 21.6	19.7
405194 2003 CD_1	16.1	X	208.11381	74.88887	11.63451	11.78140	0.2666954	0.24008037	2.5638834	21	7 7.6	20.8
405195 2003 CX_{18}	16.1	X	164.10258	290.31486	140.46290	28.54014	0.3015879	0.23107231	2.6300910	21	5 24.4	21.4
405196 2003 CQ_{25}	16.3	X	136.32027	337.84056	144.36396	20.71069	0.3185175	0.23130264	2.6283447	21	6 29.8	21.3
405197 2003 DU_4	16.2	X	279.59212	253.63169	325.45463	13.55481	0.2085602	0.21025568	2.8009427	21	—	—
405198 2003 DU_{21}	16.4	X	169.19297	98.30835	6.36691	28.56692	0.3618705	0.23538506	2.5978662	21	7 4.6	21.9
405199 2003 DW_{21}	16.3	X	179.60586	75.97541	12.85756	27.77612	0.4127883	0.23566675	2.5957957	21	6 13.9	22.0
405200 2003 EE_{50}	18.0	X	179.60089	50.43909	8.82004	11.14364	0.2339338	0.39039276	1.8541074	21	4 30.4	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
405201 2003 FF_3	17.7	X	3.57520	24.22554	131.96165	22.55376	0.1394232	0.37506585	1.9042810	21	—	—
405202 2003 FW_{74}	18.0	X	21.61031	150.86086	31.15714	21.84100	0.0428130	0.37891101	1.8913761	21	3 6.2	20.2
405203 2003 GC_{57}	18.3	X	91.18047	347.53803	237.17622	1.27178	0.1512824	0.28661392	2.2782665	21	9 13.4	21.2
405204 2003 HP_8	17.9	X	39.13569	101.49846	105.43135	8.82430	0.2770600	0.27573247	2.3378184	21	6 16.6	19.3
405205 2003 HS_{29}	17.5	X	116.32541	184.07299	47.38848	3.85836	0.1784572	0.28944931	2.2633638	21	10 22.6	21.0
405206 2003 HK_{42}	16.3	X	338.99278	98.75697	73.35734	13.96548	0.1366849	0.20962864	2.8065253	21	—	—
405207 Konstanz	16.3	X	132.13378	90.29250	165.06958	24.43058	0.3510466	0.18372644	3.0644669	21	11 30.2	22.4
405208 2003 ND_{10}	18.0	X	286.23414	133.74136	238.54152	5.35262	0.2150848	0.27007419	2.3703583	21	6 21.4	20.9
405209 2003 OV_2	17.1	X	14.27969	74.90734	205.07720	9.00826	0.2774565	0.27639255	2.3340948	21	8 16.0	18.6
405210 2003 OY_{10}	17.4	X	0.66297	186.71898	102.62037	6.88300	0.2547287	0.27318877	2.3523078	21	7 21.4	18.4
405211 2003 PD_6	17.3	X	227.27277	127.03985	156.01528	23.16860	0.0467431	0.35873361	1.9616491	21	—	—
405212 2003 QC_{10}	18.0	X	2.93298	120.87588	359.97326	5.04206	0.7315688	0.61243619	1.3732897	21	—	—
405213 2003 QN_{14}	17.8	X	358.30692	60.58964	230.09009	5.14265	0.2393972	0.27159814	2.3614832	21	7 13.3	19.1
405214 2003 QC_{39}	17.6	X	130.07575	33.23871	340.20382	18.25513	0.0890927	0.35568024	1.9728598	21	—	—
405215 2003 QH_{48}	17.1	X	282.34060	71.50735	293.64500	5.54504	0.1587895	0.26671073	2.3902448	21	6 15.2	20.0
405216 2003 QL_{59}	16.4	X	268.03100	73.61994	358.35742	11.14067	0.3671066	0.26847010	2.3797907	21	8 2.8	20.0
405217 2003 QD_{72}	15.7	X	100.54243	298.76607	86.22308	5.44024	0.1908472	0.18552137	3.0446690	21	1 16.5	19.7
405218 2003 QV_{111}	15.9	X	125.55221	327.76354	358.00264	17.71566	0.3322022	0.18356247	3.0662916	21	—	—
405219 2003 QY_{114}	17.5	X	333.26191	218.52107	112.03381	3.31515	0.2213737	0.26999867	2.3708002	21	7 15.8	18.8
405220 2003 RM_2	16.2	X	77.59623	178.19355	153.43834	11.57506	0.2159300	0.17709128	3.1405419	21	—	—
405221 2003 RM_3	17.7	X	315.25388	332.98330	1.97190	2.45906	0.1935168	0.26903812	2.3764399	21	6 16.9	19.9
405222 2003 RV_{20}	17.7	X	302.46696	291.99069	83.06557	2.33146	0.1958892	0.27013675	2.3699923	21	7 26.4	19.8
405223 2003 SK_{31}	17.7	X	233.10467	236.70150	217.13590	1.72928	0.1823108	0.26606034	2.3941386	21	8 12.8	21.3
405224 2003 SO_{32}	15.6	X	81.41458	98.26438	265.79923	14.30283	0.2356383	0.17986173	3.1082089	21	—	—
405225 2003 SW_{33}	15.9	X	50.60451	210.51835	175.27828	17.21893	0.1974332	0.17625890	3.1504216	21	—	—
405226 2003 SA_{41}	15.9	X	49.84011	23.38332	13.72887	17.64223	0.2126774	0.17658355	3.1465590	21	—	—
405227 2003 SA_{43}	15.9	X	64.96730	73.31233	311.10725	8.34048	0.2013693	0.17985719	3.1082612	21	—	—
405228 2003 SP_{62}	15.9	X	320.39887	235.18393	236.72775	7.90482	0.0391469	0.17809229	3.1287628	21	—	—
405229 2003 SA_{66}	17.0	X	350.70672	220.96120	91.62396	5.41201	0.2474553	0.27084101	2.3658821	21	8 3.8	18.2
405230 2003 SJ_{79}	16.2	X	18.11756	185.55504	209.12775	8.83705	0.1946928	0.17181212	3.2045485	21	—	—
405231 2003 SJ_{83}	16.0	X	58.72107	12.02065	13.40061	10.99195	0.0546534	0.17845637	3.1245059	21	—	—
405232 2003 SU_{90}	17.7	X	345.07299	281.22035	25.63482	4.03674	0.2396801	0.26993962	2.3711460	21	7 4.0	19.2
405233 2003 SH_{111}	16.0	X	72.52190	195.51292	167.40262	24.69004	0.1964010	0.17663416	3.1459580	21	—	—
405234 2003 SU_{117}	17.9	X	268.53452	76.06455	311.61113	5.22830	0.2718195	0.26508178	2.4000270	21	6 12.9	21.5
405235 2003 SS_{121}	16.0	X	93.79877	308.77352	338.31372	10.81471	0.1209678	0.17225132	3.1990989	21	11 14.7	21.0
405236 2003 SU_{121}	15.6	X	55.96275	45.70504	1.22936	26.97889	0.1560401	0.17826820	3.1267042	21	—	—
405237 2003 SL_{130}	16.6	X	46.04726	54.82408	321.61108	12.68401	0.2812268	0.17410897	3.1763032	21	—	—
405238 2003 SW_{131}	15.7	X	97.38607	176.44480	196.26392	13.68175	0.2051189	0.18072273	3.0983290	21	—	—
405239 2003 SU_{132}	16.5	X	89.64815	172.78679	156.06057	1.19859	0.2050165	0.17440908	3.1726584	21	—	—
405240 2003 ST_{133}	15.7	X	61.06356	39.20448	20.28936	14.93286	0.2714689	0.18189091	3.0850489	21	1 13.1	19.1
405241 2003 SC_{140}	17.5	X	315.63022	254.99900	149.15534	6.95618	0.1004780	0.27450743	2.3447686	21	10 21.9	19.9
405242 2003 SM_{141}	15.4	X	28.32686	189.28808	243.72196	17.19923	0.2184956	0.17710799	3.1403444	21	—	—
405243 2003 SL_{151}	15.8	X	115.27728	311.35004	21.22525	16.24953	0.2355873	0.18120547	3.0928238	21	—	—
405244 2003 SV_{154}	17.3	X	317.03606	112.18320	228.98072	3.31407	0.2959032	0.26829418	2.3808309	21	6 10.8	19.4
405245 2003 SP_{179}	15.6	X	37.26196	2.52115	24.12829	14.82739	0.1307486	0.17438024	3.1730083	21	—	—
405246 2003 SB_{187}	15.4	X	12.61354	50.57262	12.39997	27.07284	0.1944713	0.17478535	3.1681036	21	—	—
405247 2003 SG_{202}	16.1	X	24.18596	235.30369	183.54580	16.46669	0.2068379	0.17688713	3.1429578	21	—	—
405248 2003 SN_{203}	16.4	X	74.49122	45.34618	15.45567	3.20650	0.3129189	0.18420167	3.0591939	21	2 12.7	19.9
405249 2003 SD_{206}	16.9	X	262.48108	166.24513	237.28468	7.00319	0.1010015	0.26913806	2.3758516	21	7 20.0	20.0
405250 2003 SE_{206}	15.7	X	157.25426	314.86642	320.53550	15.11449	0.1628857	0.18188735	3.0850892	21	—	—
405251 2003 ST_{230}	17.7	X	332.12954	268.99088	47.91674	2.70657	0.2497843	0.26946833	2.3739099	21	6 13.3	19.5
405252 2003 SL_{244}	18.1	X	321.55881	174.77594	166.08134	3.13283	0.2101358	0.26890895	2.3772008	21	7 6.3	20.0
405253 2003 SZ_{248}	16.2	X	112.39107	209.86072	199.40537	11.37704	0.2111675	0.18761217	3.0220064	21	2 27.8	20.7
405254 2003 SR_{264}	15.7	X	10.46616	48.39777	31.31603	10.93125	0.1042908	0.17793974	3.1305508	21	—	—
405255 2003 SY_{264}	15.7	X	112.19405	280.77120	23.55492	16.44547	0.2349725	0.17638223	3.1489529	21	—	—
405256 2003 SY_{265}	18.1	X	275.46104	227.54668	137.99893	1.84555	0.2039508	0.26442270	2.4040134	21	5 31.2	21.3
405257 2003 SZ_{265}	17.6	X	318.78204	269.63909	54.92503	2.06257	0.2019795	0.26673047	2.3901269	21	6 5.8	19.7
405258 2003 SS_{266}	15.5	X	100.42855	287.50633	16.47728	26.04810	0.2113297	0.17408142	3.1766383	21	12 18.8	21.2
405259 2003 SR_{269}	17.0	X	304.68429	352.59293	42.58318	9.90127	0.1971494	0.27079182	2.3661686	21	9 6.9	19.3
405260 2003 SY_{285}	16.1	X	61.06520	46.13139	342.66027	11.01829	0.1304021	0.17882377	3.1202248	21	—	—
405261 2003 SB_{287}	16.8	X	343.27454	233.71241	197.55041	7.39537	0.1869247	0.17267014	3.1939239	21	12 21.7	20.4
405262 2003 SK_{288}	16.5	X	25.54575	243.84307	146.89242	6.07286	0.1407146	0.17269439	3.1936249	21	—	—
405263 2003 SQ_{301}	15.6	X	17.57204	261.55936	148.90362	9.86342	0.2958153	0.17382816	3.1797231	21	—	—
405264 2003 SF_{311}	18.1	X	338.89426	185.72039	166.78512	1.33764	0.2088866	0.27260433	2.3556687	21	9 11.6	19.6
405265 2003 SG_{313}	16.8	X	56.01625	160.14284	196.53407	1.12994	0.2289776	0.17381023	3.1799417	21	—	—
405266 2003 SV_{322}	16.0	X	43.53034	71.74899	333.10502	9.25205	0.1242933	0.17951890	3.1121649	21	—	—
405267 2003 SL_{324}	16.2	X	185.58485	256.32500	352.41991	15.27693	0.1897690	0.18149161	3.0895722	21	12 28.3	21.6
405268 2003 SW_{325}	16.6	X	55.81544	101.84770	249.73327	3.80533	0.1796149	0.17308332	3.1888388	21	12 30.3	21.3
405269 2003 SD_{326}	18.2	X	246.71979	62.13841	356.53445	3.69277	0.1889198	0.26605886	2.3941475	21	7 11.9	21.7
405270 2003 SZ_{326}	16.7	X	38.62638	71.53222	6.51721	13.14672	0.2685074	0.18033463	3.1027727	21	—	—
405271 2003 SV_{328}	16.6	X	62.60063	310.92603	75.83786	2.71698	0.1873762	0.17807131	3.1290086	21	—	—
405272 2003 SM_{332}	17.0	X	39.95446	203.79475	189.15276	10.41729	0.2031818	0.17423007	3.1748312	21	—	—
405273 2003 SJ_{335}	16.3	X	112.68491	255.77989	51.14554	10.98945	0.0903928	0.17460264	3.1703133	21	12 27.6	21.2
405274 2003 SM_{336}	17.2	X	20.30088	290.10089	94.91256	6.87798	0.2157626	0.16974600	3.2304996	21	12 29.7	21.2
405275 2003 SR_{338}	15.7	X	196.22060	205.89170	31.45364	10.93156	0.0447410	0.17699951	3.1416274	21	—	—
405276 2003 SY_{338}	16.4	X	74.37781	321.85683	35.77895	10.86705	0.0748849	0.17595076	3.1540988	21	—	—
405277 2003 SF_{339}	16.1	X	329.80711	47.92562	49.52472	11.07026	0.0527689	0.17391087	3.1787148	21	12 30.1	20.5
405278 2003 SF_{340}	16.4	X	7.32690	33.59216	25.20597	10.55538	0.1982067	0.17348899	3.1838659	21	—	—
405279 2003 SY_{349}	16.5	X	22.92559	252.28636	170.18111	8.83398	0.1586879	0.17724014	3.1387832	21	—	—
405280 2003 SZ_{365}	15.8	X	293.19039	185.66961	337.87113	9.00188	0.0501878	0.18213397	3.0823036	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
405281 2003 SD_{400}	17.8	X	347.88739	121.43451	169.79229	15.58356	0.1598247	0.26369746	2.4084192	21	6 21.2	20.4
405282 2003 SQ_{402}	15.9	X	57.75740	195.82799	190.21103	10.97193	0.1167471	0.17874716	3.1211163	21	—	—
405283 2003 SW_{404}	16.4	X	15.78332	24.05938	60.18015	12.26403	0.3056778	0.17595432	3.1540561	21	—	—
405284 2003 SC_{422}	16.5	X	210.62837	251.86270	338.68900	8.80858	0.0502609	0.18033102	3.1028141	21	—	—
405285 2003 SV_{424}	15.9	X	290.88347	153.95384	357.95111	18.18829	0.1103528	0.17861187	3.1226921	21	—	—
405286 2003 SY_{431}	16.3	X	52.76646	116.36314	266.73264	5.03464	0.1386179	0.17771315	3.1332112	21	—	—
405287 2003 SK_{433}	16.1	X	255.42635	137.93615	30.72820	18.69693	0.0455213	0.17413406	3.1759981	21	12 17.9	20.9
405288 2003 TL_{5}	16.9	X	189.95384	140.90404	302.82559	5.52046	0.1196486	0.25937629	2.4350948	21	6 20.0	20.6
405289 2003 TS_{8}	15.2	X	72.16372	102.59390	275.18484	8.42434	0.2289580	0.17626132	3.1503928	21	—	—
405290 2003 TC_{13}	15.2	X	23.84013	173.29508	232.40440	16.76085	0.2282004	0.17271729	3.1933425	21	—	—
405291 2003 TH_{14}	16.0	X	102.70079	322.40232	48.03334	14.19674	0.2875379	0.18095103	3.0957224	21	1 18.3	20.5
405292 2003 TJ_{16}	15.8	X	45.28319	178.75729	230.56344	9.80034	0.2070188	0.17671446	3.1450049	21	—	—
405293 2003 TR_{16}	16.2	X	47.24960	87.42779	272.37500	5.77451	0.1470554	0.17247498	3.1963327	21	12 25.8	20.6
405294 2003 TK_{17}	17.5	X	263.16243	224.45998	21.62577	19.83266	0.0555963	0.35448744	1.9772829	21	—	—
405295 2003 TC_{36}	16.0	X	98.00626	324.06385	4.34193	14.56585	0.1535678	0.17507642	3.1645911	21	—	—
405296 2003 TW_{39}	18.1	X	279.62126	146.19615	241.04605	5.40613	0.1325352	0.26648635	2.3915864	21	7 16.4	21.0
405297 2003 TM_{54}	16.3	X	19.00699	25.19347	32.54378	20.94387	0.1578279	0.17449632	3.1716010	21	—	—
405298 2003 TG_{57}	15.8	X	100.26488	6.22330	346.78127	17.92727	0.1566888	0.17860983	3.1227160	21	—	—
405299 2003 TZ_{58}	16.3	X	34.04720	343.34109	27.31592	5.09455	0.1549207	0.16926639	3.2365991	21	12 22.5	20.6
405300 2003 UQ	14.6	X	49.29750	86.41730	266.30424	24.64918	0.3109142	0.17187008	3.2038280	21	—	—
405301 2003 UH_{5}	15.6	X	22.36043	160.91951	268.91362	9.49077	0.2060830	0.17718718	3.1394086	21	—	—
405302 2003 UO_{7}	15.8	X	103.06946	23.28170	310.82220	18.05816	0.1958199	0.17856288	3.1232633	21	—	—
405303 2003 UW_{17}	18.0	X	287.02900	173.61682	238.46574	1.12372	0.2276442	0.26903538	2.3764560	21	8 17.9	20.5
405304 2003 UH_{25}	15.8	X	92.32624	14.84005	336.82687	21.22780	0.2345154	0.17814865	3.1281029	21	—	—
405305 2003 UJ_{25}	15.7	X	52.45602	96.54336	299.80726	14.45900	0.2493906	0.17708603	3.1406040	21	—	—
405306 2003 UP_{29}	15.9	X	40.61913	350.81186	36.67892	7.60185	0.1531251	0.17198866	3.2023553	21	—	—
405307 2003 UH_{33}	16.2	X	58.29151	189.83997	188.66688	10.12281	0.0870459	0.17595243	3.1540788	21	—	—
405308 2003 UQ_{35}	17.5	X	168.41395	203.53552	231.16478	5.02361	0.0473041	0.25600935	2.4563985	21	5 12.4	20.8
405309 2003 US_{57}	15.4	X	51.76780	100.79169	269.29192	7.66668	0.0821273	0.17375722	3.1805885	21	—	—
405310 2003 UB_{62}	17.1	X	311.27353	296.08868	80.24073	7.67065	0.1394137	0.26997686	2.3709279	21	8 27.8	19.5
405311 2003 UX_{66}	17.3	X	317.37066	272.80734	90.64028	6.20937	0.2588749	0.27061878	2.3671772	21	7 27.7	19.0
405312 2003 UP_{69}	16.1	X	200.95487	224.67089	21.28191	10.55690	0.0364601	0.17914248	3.1165230	21	—	—
405313 2003 UT_{81}	17.3	X	306.76830	307.59243	43.53614	2.74234	0.1979146	0.26716588	2.3875294	21	6 25.9	19.6
405314 2003 UJ_{82}	16.5	X	27.19735	9.29822	40.28604	6.24301	0.2472018	0.17493369	3.1663123	21	—	—
405315 2003 UM_{95}	16.8	X	269.27885	321.46184	26.54749	14.73395	0.0845716	0.25932886	2.4353917	21	5 12.5	20.2
405316 2003 UN_{99}	15.0	X	127.24334	260.96660	85.98665	16.02835	0.2627863	0.18034763	3.1026235	21	1 11.0	19.8
405317 2003 UM_{101}	16.1	X	83.20529	152.51165	195.44200	17.33646	0.2196198	0.17549995	3.1594978	21	—	—
405318 2003 UW_{105}	15.3	X	22.03006	166.78886	243.30676	17.14291	0.2037581	0.17310626	3.1885571	21	—	—
405319 2003 UJ_{149}	17.6	X	284.56622	309.46837	73.18945	3.24002	0.2278463	0.26659633	2.3909286	21	7 2.3	20.6
405320 2003 UU_{164}	17.6	X	306.66258	182.62110	152.79884	2.94502	0.2104804	0.26391448	2.4070987	21	5 31.2	20.2
405321 2003 UN_{165}	15.7	X	68.76557	327.62404	36.21711	11.48422	0.0567067	0.17327286	3.1865129	21	—	—
405322 2003 UN_{176}	17.5	X	306.12387	11.83498	312.76257	1.75972	0.2037601	0.26373141	2.4082125	21	5 14.3	20.4
405323 2003 UF_{195}	17.5	X	227.51746	86.47823	307.90902	1.68170	0.1705117	0.25703073	2.4498868	21	5 21.5	21.3
405324 2003 UT_{221}	15.7	X	9.97094	339.97337	70.87379	6.18969	0.1393665	0.17121661	3.2119748	21	—	—
405325 2003 UM_{225}	17.7	X	221.91889	30.55389	10.84800	6.90690	0.1091430	0.25800583	2.4437102	21	5 27.7	21.3
405326 2003 UM_{235}	16.7	X	62.01871	325.93670	57.72126	0.25679	0.1961792	0.17597708	3.1537842	21	—	—
405327 2003 UT_{239}	17.8	X	286.41650	258.48907	157.61639	1.99025	0.2107172	0.27038130	2.3685630	21	8 26.8	20.1
405328 2003 UH_{245}	17.6	X	296.82547	325.89873	50.41426	6.05036	0.2596278	0.26668134	2.3904205	21	7 6.4	20.2
405329 2003 UW_{249}	15.6	X	45.86858	315.20832	62.69398	13.48556	0.2551326	0.17125375	3.2115104	21	—	—
405330 2003 UP_{266}	17.8	X	293.48553	358.89130	41.43978	3.09885	0.2171691	0.26830701	2.3807550	21	8 15.4	20.1
405331 2003 UV_{269}	16.0	X	25.29437	30.09641	39.15122	15.04714	0.2607716	0.17460586	3.1702743	21	—	—
405332 2003 UM_{279}	16.0	X	347.82110	183.76595	247.27032	9.31139	0.1663442	0.17151049	3.2083045	21	12 27.6	19.7
405333 2003 UB_{282}	15.8	X	12.00918	169.34928	240.70271	7.82352	0.0757755	0.17313557	3.1881972	21	12 30.5	20.1
405334 2003 UR_{296}	16.7	X	93.42156	233.68584	149.84384	1.20392	0.1929030	0.18171137	3.0870807	21	1 5.9	20.8
405335 2003 UN_{302}	16.1	X	328.08617	108.34620	1.56523	13.54985	0.0537620	0.17503881	3.1650445	21	—	—
405336 2003 UW_{320}	15.5	X	63.92700	221.16739	217.37951	14.82128	0.0757364	0.18182507	3.0857936	21	1 13.5	19.9
405337 2003 UL_{327}	17.0	X	58.38339	140.71597	220.37628	7.16984	0.2515783	0.17557612	3.1585839	21	—	—
405338 2003 UH_{328}	16.0	X	119.78537	97.93317	200.33302	12.81289	0.1929591	0.17894844	3.1187754	21	12 29.3	21.4
405339 2003 UZ_{328}	16.0	X	175.44333	84.42364	193.86173	15.53776	0.0579205	0.18279469	3.0748717	21	—	—
405340 2003 UF_{334}	15.8	X	7.38764	76.93090	355.99810	12.82381	0.0428480	0.17802193	3.1295871	21	—	—
405341 2003 UP_{336}	16.9	X	136.84082	254.49943	45.76552	1.46459	0.1487069	0.17958186	3.1114375	21	—	—
405342 2003 UE_{340}	16.2	X	117.31808	228.37138	68.40893	2.30672	0.1838887	0.17318534	3.1875864	21	12 25.5	21.4
405343 2003 UP_{340}	18.3	X	263.73068	350.56434	22.56702	1.49214	0.2050477	0.26227546	2.4171166	21	5 27.3	21.6
405344 2003 UN_{352}	17.6	X	186.48968	349.17454	125.46961	3.62365	0.1627791	0.26286726	2.4134875	21	7 26.6	21.2
405345 2003 UX_{371}	15.6	X	59.42041	70.82255	328.35908	9.36577	0.0861740	0.18142952	3.0902771	21	—	—
405346 2003 UX_{372}	16.2	X	98.93265	97.60220	220.44352	11.02161	0.1648264	0.17844865	3.1245960	21	—	—
405347 2003 UT_{401}	16.2	X	351.74186	269.75687	203.17820	9.73135	0.0519405	0.18247069	3.0785106	21	—	—
405348 2003 UE_{415}	16.1	X	64.05802	124.95105	236.46003	14.14927	0.1430041	0.17618754	3.1512723	21	—	—
405349 2003 VU_{6}	17.8	X	240.18315	57.57393	317.09166	0.79267	0.2547421	0.25757088	2.4464605	21	5 2.5	21.9
405350 2003 VV_{11}	15.8	X	91.37038	117.26360	261.84940	13.64231	0.3154061	0.17949289	3.1124655	21	1 14.1	20.0
405351 2003 WV_{10}	15.6	X	110.54797	303.47497	34.36344	15.43354	0.2164848	0.17582213	3.1556368	21	—	—
405352 2003 WM_{27}	17.5	X	312.28259	340.28731	348.49508	4.01523	0.3470858	0.26491926	2.4010085	21	5 3.6	20.4
405353 2003 WY_{27}	17.2	X	223.42007	142.12844	270.07124	5.17105	0.1180808	0.25822753	2.4423113	21	6 13.8	20.8
405354 2003 WO_{39}	17.2	X	187.15035	174.74212	284.88436	4.65783	0.0997424	0.25881400	2.4386204	21	7 8.5	20.7
405355 2003 WF_{46}	17.5	X	132.46661	149.39672	242.76946	20.66988	0.0726521	0.35203590	1.9864520	21	1 6.0	19.8
405356 2003 WM_{54}	17.4	X	181.59961	180.34428	264.82501	5.44500	0.1712396	0.25575375	2.4580349	21	6 13.4	21.4
405357 2003 WP_{58}	17.5	X	191.43381	33.69537	51.57920	3.38421	0.1586469	0.25666935	2.4521858	21	6 22.9	21.4
405358 2003 WF_{60}	17.1	X	263.66469	154.36643	240.08453	5.27390	0.1175767	0.26171970	2.4205372	21	7 7.2	20.2
405359 2003 WN_{63}	15.8	X	30.02385	140.23112	245.22900	8.37074	0.1507185	0.16842446	3.2473762	21	—	—
405360 2003 WZ_{80}	17.8	X	184.06696	88.57983	353.35726	2.01731	0.1593566	0.25435968	2.4670079	21	6 11.4	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
405361 2003 WW_{98}	16.1	X	69.98494	266.17120	114.92176	10.85345	0.2268298	0.17620050	3.1511177	21	—	—
405362 2003 WT_{114}	17.9	X	262.51213	88.31508	309.58718	2.05987	0.2207204	0.26225128	2.4172652	21	6 26.9	21.2
405363 2003 WB_{116}	17.0	X	86.25527	162.42266	324.62408	3.87973	0.2627179	0.24281840	2.5445734	21	5 9.5	20.2
405364 2003 WR_{124}	16.9	X	177.06556	74.79917	37.21405	5.17371	0.1562863	0.25576306	2.4579753	21	7 15.1	20.8
405365 2003 WG_{132}	15.6	X	29.85292	34.09921	65.16286	16.40413	0.0821354	0.17700741	3.1415340	21	—	—
405366 2003 WM_{151}	17.7	X	281.20481	239.13359	130.21216	5.83816	0.1249156	0.26110035	2.4243636	21	6 25.4	20.6
405367 2003 WN_{153}	15.5	X	61.22090	268.44627	148.70325	15.69298	0.2885212	0.17786784	3.1313943	21	1 10.2	18.8
405368 2003 XO_{25}	15.8	X	66.24539	289.96005	99.62770	10.94346	0.2163148	0.17507661	3.1645889	21	—	—
405369 2003 XU_{37}	17.1	X	193.04185	132.93883	298.57307	6.04502	0.2179548	0.25457764	2.4655996	21	6 5.6	21.2
405370 2003 YG_{18}	17.4	X	178.80040	104.48679	8.91369	8.23566	0.1791846	0.25742980	2.4473542	21	7 19.7	21.5
405371 2003 YK_{121}	15.4	X	66.57032	114.83560	319.40517	23.17953	0.4783821	0.17692021	3.1425660	21	3 7.8	19.3
405372 2003 YF_{152}	16.0	X	58.91554	14.93409	51.92997	12.10705	0.3343252	0.17569391	3.1571721	21	1 31.1	19.3
405373 2004 AR_{23}	17.0	X	32.48100	79.75956	125.24366	15.72749	0.0694741	0.24313839	2.5423404	21	5 12.9	20.3
405374 2004 BR_{29}	17.1	X	109.17059	145.59014	322.02710	12.21503	0.1810742	0.24051435	2.5607984	21	4 25.8	21.0
405375 2004 BN_{48}	16.7	X	19.86704	264.08322	295.68086	4.00210	0.1635993	0.23900430	2.5715733	21	4 5.5	19.3
405376 2004 BJ_{69}	17.1	X	149.26555	342.30448	129.38848	8.29294	0.2024939	0.24476721	2.5310490	21	6 19.8	21.3
405377 2004 BK_{73}	16.4	X	343.56723	219.70354	310.95415	12.25132	0.1879295	0.22791001	2.6543638	21	—	—
405378 2004 BJ_{128}	17.7	X	167.22296	112.46626	311.90195	1.03090	0.1413179	0.24529885	2.5273906	21	5 2.9	21.6
405379 2004 BM_{141}	17.3	X	74.78041	0.48091	136.46524	7.33926	0.0862750	0.23935367	2.5690703	21	4 12.9	20.5
405380 2004 BK_{145}	16.3	X	236.14112	192.92485	131.03439	15.46645	0.1212873	0.23810426	2.5780496	21	3 9.9	20.4
405381 2004 BJ_{159}	17.5	X	212.03211	326.76691	346.19033	2.71347	0.0598673	0.22590559	2.6700419	21	1 30.7	21.3
405382 2004 CK_{14}	16.8	X	24.78687	190.26827	325.53509	13.67850	0.1051563	0.23290470	2.6162780	21	2 14.7	19.8
405383 2004 CM_{60}	17.0	X	59.59469	163.55124	13.56786	6.31078	0.1540809	0.24049881	2.5609087	21	5 20.8	19.9
405384 2004 DS_{67}	17.4	X	319.10623	198.08123	359.89814	5.73553	0.1220298	0.22817642	2.6522973	21	1 2.2	21.0
405385 2004 DN_{70}	16.9	X	277.48811	73.06064	161.92831	12.78391	0.1216375	0.22313554	2.6920940	21	—	—
405386 2004 ED_{20}	16.5	X	36.93953	346.78969	179.58425	13.03810	0.0771831	0.23318443	2.6141852	21	3 21.6	19.4
405387 2004 EV_{36}	16.3	X	347.13111	14.73461	178.96287	13.04274	0.2152347	0.22712780	2.6604546	21	1 18.9	19.6
405388 2004 EU_{86}	16.8	X	329.60056	68.87380	131.73541	5.39273	0.2325742	0.22582160	2.6707038	21	1 2.3	20.3
405389 2004 EZ_{91}	16.8	X	314.56805	244.04468	350.83069	13.21862	0.1281149	0.22857411	2.6492200	21	2 14.2	20.4
405390 2004 FH_{67}	18.0	X	88.69521	191.35102	63.18784	4.12487	0.2087166	0.30688299	2.1768116	21	10 30.3	21.2
405391 2004 FF_{72}	18.0	X	47.98189	171.33076	17.98817	1.45091	0.0788022	0.23722370	2.5844254	21	5 10.1	20.9
405392 2004 FA_{76}	17.2	X	144.94876	85.75982	358.76615	6.77565	0.1037046	0.23739393	2.5831897	21	5 1.2	21.0
405393 2004 GQ_{41}	16.4	X	20.81405	289.73203	237.69631	7.02243	0.1797115	0.22758315	2.6569047	21	2 18.7	19.1
405394 2004 HS_{8}	17.4	X	264.88791	178.12215	61.61145	8.40809	0.2453453	0.21700686	2.7425449	21	—	—
405395 2004 HW_{39}	16.8	X	236.14163	295.96014	31.86520	7.89940	0.0690111	0.22789017	2.6545179	21	3 18.3	20.6
405396 2004 JU_{4}	16.1	X	258.80874	261.93973	53.77674	14.17499	0.1897598	0.22389398	2.6860109	21	3 22.3	20.6
405397 2004 LB_{12}	18.7	X	315.36921	170.04558	145.83509	1.32354	0.2482665	0.40118180	1.8207147	21	4 24.7	20.1
405398 2004 LJ_{28}	18.6	X	27.34795	144.51929	177.93586	5.41403	0.2778832	0.29679986	2.2258382	21	11 28.5	21.1
405399 2004 OJ	18.3	X	27.46232	238.76783	111.42784	5.03861	0.2917446	0.29922429	2.2137988	21	—	—
405400 2004 PB_{8}	16.9	X	121.64824	196.71518	166.67334	9.67412	0.3140160	0.19705892	2.9246371	21	1 26.3	21.5
405401 2004 PH_{35}	17.4	X	47.58622	290.58817	327.37397	23.59448	0.2786204	0.29219241	2.2491759	21	9 14.0	20.2
405402 2004 PT_{35}	16.5	X	170.81444	211.02906	113.49745	6.59216	0.2135706	0.20169170	2.8796787	21	1 15.1	21.4
405403 2004 PJ_{50}	18.1	X	22.62727	341.69678	339.31411	9.27466	0.2691062	0.29514689	2.2341410	21	11 12.6	20.5
405404 2004 PJ_{77}	18.0	X	78.84717	137.14589	161.95283	6.93207	0.1771279	0.30233691	2.1985783	21	12 13.4	21.2
405405 2004 PE_{88}	17.2	X	121.36682	19.25523	331.05394	5.88865	0.2324442	0.19538832	2.9412841	21	1 3.2	21.5
405406 2004 RN_{18}	18.0	X	353.03742	152.78201	175.63022	3.80262	0.1689640	0.28987949	2.2611241	21	9 7.6	19.4
405407 2004 RJ_{23}	18.1	X	355.42018	240.13030	130.24505	1.90119	0.2489222	0.29455392	2.2371384	21	12 7.9	19.6
405408 2004 RA_{31}	17.8	X	19.81102	358.39747	350.52110	5.88341	0.1788321	0.29703705	2.2246531	21	12 6.1	20.2
405409 2004 RQ_{72}	17.5	X	59.54873	303.93850	348.93145	5.05713	0.2062521	0.29606458	2.2295219	21	11 14.8	20.5
405410 2004 RQ_{73}	17.6	X	64.33154	278.12571	20.21313	3.21472	0.1473882	0.29712669	2.2242056	21	11 21.3	20.6
405411 2004 RT_{98}	17.9	X	55.31917	109.89726	192.71544	7.69028	0.1786046	0.29691441	2.2252657	21	11 22.4	20.8
405412 2004 RX_{98}	17.9	X	12.62401	161.60006	189.18658	6.75860	0.1683136	0.29545677	2.2325786	21	11 27.2	20.1
405413 2004 RZ_{135}	16.5	X	32.50417	59.95347	0.92342	9.07868	0.0991075	0.19142774	2.9817150	21	—	—
405414 2004 RL_{145}	18.4	X	175.51410	141.94023	168.73662	23.08896	0.0112736	0.37420657	1.9071951	21	—	—
405415 2004 RN_{162}	15.7	X	320.48076	108.99367	340.19770	17.14365	0.2182479	0.18172023	3.0869804	21	11 27.5	19.3
405416 2004 RG_{172}	17.8	X	44.48780	160.18526	193.95668	5.83590	0.2396721	0.29941116	2.2128776	21	—	—
405417 2004 RS_{197}	17.7	X	46.93772	25.75555	308.19554	3.24837	0.1901465	0.29782464	2.2207293	21	12 24.7	20.5
405418 2004 RX_{204}	16.0	X	67.96485	55.65973	334.01625	8.85304	0.0659873	0.19222015	2.9735149	21	—	—
405419 2004 RV_{207}	15.7	X	97.66397	164.09767	237.74534	15.89418	0.1869056	0.19799174	2.9154437	21	1 24.2	19.9
405420 2004 RU_{240}	17.9	X	248.15426	132.94285	348.91101	7.55994	0.0537508	0.29520422	2.2338517	21	10 29.6	20.6
405421 2004 RB_{321}	17.7	X	23.70169	102.24196	239.73392	5.91120	0.2628792	0.29653878	2.2271445	21	12 16.9	20.1
405422 2004 RJ_{322}	16.4	X	40.86135	160.91152	259.23833	7.43264	0.2751493	0.18875163	3.0098319	21	—	—
405423 2004 RE_{328}	16.4	X	56.56690	41.53578	345.51413	8.26976	0.1909556	0.18793389	3.0185566	21	—	—
405424 2004 RS_{335}	18.6	X	340.09233	152.73596	215.66606	5.86378	0.1935321	0.28983918	2.2613337	21	10 16.7	19.9
405425 2004 RE_{346}	17.6	X	309.08075	211.36428	199.60319	3.27504	0.1699465	0.28934458	2.2639099	21	10 13.7	18.9
405426 2004 SL_{2}	15.8	X	147.90546	316.99911	17.64865	9.71111	0.0838620	0.19674974	2.9277003	21	—	—
405427 2004 ST_{9}	18.0	X	67.06255	60.10022	195.02344	12.23344	0.4382201	0.29290012	2.2455515	21	11 1.3	21.8
405428 2004 ST_{34}	16.2	X	50.80578	240.22544	208.59532	10.09481	0.0955903	0.19882224	2.9073193	21	1 6.1	19.9
405429 2004 SF_{35}	18.4	X	353.66897	112.41677	269.23916	4.35723	0.1773800	0.29582228	2.2307392	21	12 9.7	20.2
405430 2004 SX_{48}	16.7	X	106.05500	334.65091	3.61939	4.89676	0.2120470	0.19174463	2.9784290	21	—	—
405431 2004 SJ_{49}	17.5	X	13.89485	297.63983	40.92547	7.77816	0.1876603	0.29332226	2.2433965	21	11 12.1	19.3
405432 2004 TF_{2}	17.9	X	349.69799	8.56221	19.22314	4.76981	0.1439123	0.29452535	2.2372831	21	12 5.2	19.8
405433 2004 TW_{4}	17.6	X	115.42317	141.06038	203.67620	7.53379	0.3225677	0.19125401	2.9835204	21	1 1.1	22.1
405434 2004 TT_{21}	16.1	X	130.20078	158.09409	200.43138	19.24384	0.0746682	0.19595082	2.9356526	21	—	—
405435 2004 TJ_{27}	18.3	X	278.10999	39.12508	4.23414	3.60095	0.1572074	0.28451553	2.2894547	21	8 6.0	20.8
405436 2004 TT_{35}	18.1	X	39.92427	298.22575	16.61010	6.59564	0.2051928	0.29338674	2.2430678	21	11 19.9	20.9
405437 2004 TC_{51}	16.0	X	325.20508	42.43845	27.65806	9.88552	0.1145653	0.17546844	3.1598760	21	11 16.9	19.9
405438 2004 TE_{64}	16.6	X	353.16566	242.36890	189.48911	5.94491	0.1188809	0.18234079	3.0799724	21	—	—
405439 2004 TG_{64}	16.2	X	41.20711	0.82541	28.20287	12.23782	0.2162044	0.18379797	3.0636718	21	—	—
405440 2004 TO_{78}	15.9	X	48.51489	79.17899	268.14745	13.61826	0.2595653	0.18068077	3.0988087	21	12 28.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
405441 2004 TD_{83}	16.9	X	95.18005	92.27024	223.98777	1.66914	0.1170839	0.18422734	3.0589098	21	12 24.9	21.5
405442 2004 TL_{83}	16.8	X	177.33328	84.41143	194.92129	14.95459	0.1413734	0.19272021	2.9683689	21	—	—
405443 2004 TT_{83}	16.5	X	40.30349	193.68586	206.23605	4.24446	0.1596268	0.18628925	3.0362966	21	—	—
405444 2004 TL_{84}	18.4	X	337.04971	5.25942	4.07068	2.63244	0.1254421	0.28991465	2.2609412	21	10 8.7	20.2
405445 2004 TU_{85}	17.6	X	300.21497	251.25864	191.35102	5.34245	0.1063541	0.29410188	2.2394301	21	11 23.1	19.5
405446 2004 TP_{86}	16.3	X	349.37051	92.51942	15.25689	10.36856	0.0689199	0.18909977	3.0061366	21	—	—
405447 2004 TV_{90}	17.9	X	344.30888	6.51611	348.54592	2.84716	0.1761679	0.28855529	2.2680364	21	10 2.6	19.5
405448 2004 TM_{99}	16.6	X	140.27898	112.42114	189.50875	6.65775	0.1522361	0.18866087	3.0107971	21	—	—
405449 2004 TN_{112}	15.5	X	116.32705	42.94379	314.04317	14.29299	0.0904088	0.19090366	2.9871696	21	—	—
405450 2004 TR_{151}	16.6	X	319.30417	253.70043	203.72416	8.15834	0.1839766	0.18029267	3.1032541	21	12 12.5	20.0
405451 2004 TT_{175}	17.5	X	33.74360	304.40861	42.96533	6.96290	0.1909700	0.29603067	2.2296922	21	12 26.3	20.2
405452 2004 TV_{197}	17.5	X	118.57169	203.79583	29.58821	7.14390	0.0517168	0.28929952	2.2641450	21	10 19.3	20.4
405453 2004 TB_{206}	16.6	X	90.77267	329.42812	50.11208	5.18163	0.2655131	0.18939371	3.0030255	21	1 6.8	20.3
405454 2004 TP_{221}	16.6	X	76.97099	214.16292	179.61876	4.40010	0.2366036	0.19129272	2.9831179	21	—	—
405455 2004 TN_{238}	18.2	X	295.44668	138.26208	266.75132	2.28441	0.2057151	0.28556649	2.2838341	21	8 27.2	20.2
405456 2004 TG_{244}	18.0	X	6.33658	13.17319	332.19612	2.27906	0.2586838	0.29247569	2.2477234	21	11 20.9	19.8
405457 2004 TF_{250}	16.6	X	105.66367	335.46934	27.83308	2.39377	0.2353868	0.19073683	2.9889112	21	1 1.6	20.6
405458 2004 TC_{266}	16.0	X	296.20984	74.08634	37.13498	5.12809	0.1611805	0.17731143	3.1379418	21	11 20.1	19.9
405459 2004 TX_{275}	16.1	X	95.59420	104.42183	219.40216	9.16947	0.0605713	0.18059599	3.0997784	21	12 27.6	20.8
405460 2004 TT_{276}	17.2	X	49.60107	331.56718	93.10150	1.04909	0.2718419	0.18806189	3.0171867	21	—	—
405461 2004 TR_{277}	16.0	X	129.82726	277.78391	46.36937	12.78744	0.1503617	0.18759674	3.0221721	21	—	—
405462 2004 TS_{293}	17.5	X	55.07556	108.10135	277.68570	1.43176	0.1638549	0.18445602	3.0563810	21	—	—
405463 2004 TT_{337}	16.0	X	346.09980	54.06203	18.42770	11.22244	0.0870553	0.18293805	3.0732651	21	12 25.7	20.1
405464 2004 TE_{338}	17.9	X	297.76961	210.18050	192.38137	3.86001	0.1500676	0.28662164	2.2782256	21	9 7.1	19.9
405465 2004 TA_{350}	16.9	X	102.37901	243.50260	143.35453	2.65912	0.1035182	0.19752484	2.9200362	21	1 5.2	20.9
405466 2004 TE_{367}	15.5	X	119.36615	85.21523	282.84931	8.69763	0.1079460	0.19117284	2.9843649	21	1 5.7	19.8
405467 2004 VP_{1}	17.3	X	300.31241	1.04712	28.57468	8.96631	0.2667338	0.28383812	2.2930960	21	8 5.5	19.5
405468 2004 VS_{11}	15.7	X	309.89156	26.86942	53.76393	15.10766	0.2470922	0.17333776	3.1857175	21	10 27.7	19.1
405469 2004 VL_{23}	16.6	X	126.35612	312.85513	40.51548	4.10278	0.3728265	0.19277841	2.9677715	21	1 28.1	21.4
405470 2004 VT_{34}	16.3	X	49.44928	192.74381	209.78721	9.14060	0.0969543	0.18476144	3.0530119	21	—	—
405471 2004 VQ_{36}	17.9	X	24.99089	301.05576	43.81019	3.33564	0.2725928	0.29377452	2.2410935	21	12 23.6	20.4
405472 2004 VX_{53}	17.1	X	334.50244	302.19010	59.65375	6.70831	0.2565104	0.28601894	2.2814250	21	9 23.3	18.1
405473 2004 VY_{68}	16.7	X	69.89789	234.56960	162.25204	1.11166	0.1939436	0.18649850	3.0340250	21	—	—
405474 2004 VO_{78}	16.7	X	249.43684	87.36564	22.81530	22.17968	0.2639081	0.28161043	2.3051732	21	9 22.5	20.1
405475 2004 VP_{96}	15.9	X	286.72971	58.33450	34.74444	9.02805	0.1961504	0.17014883	3.2253987	21	10 9.9	20.1
405476 2004 VG_{112}	16.3	X	314.95018	196.07735	265.26089	4.91012	0.2671721	0.17668159	3.1453950	21	11 30.5	19.4
405477 2004 WE	18.0	X	339.64599	315.34332	92.93562	3.66936	0.1726567	0.29284711	2.2458225	21	12 21.3	19.8
405478 2004 WN	18.4	X	336.61885	300.89194	103.99733	2.84193	0.2533142	0.29176612	2.2513662	21	12 19.6	19.5
405479 2004 XR	15.6	X	86.93398	357.88489	16.75382	10.56881	0.2363557	0.18632170	3.0359440	21	—	—
405480 2004 XX	15.7	X	92.11264	117.39474	273.17205	10.05756	0.2039478	0.19107703	2.9853624	21	1 11.2	19.5
405481 2004 XG_{2}	15.2	X	101.73486	58.46357	266.65044	14.76150	0.0331334	0.18048161	3.1010879	21	—	—
405482 2004 XT_{2}	16.6	X	19.67299	26.00992	55.38511	2.59009	0.2452136	0.18362166	3.0656326	21	—	—
405483 2004 XR_{6}	15.7	X	23.68227	174.18138	274.89905	12.61254	0.2347162	0.18472338	3.0534312	21	—	—
405484 2004 XP_{11}	16.1	X	215.58151	196.46810	271.30342	25.48493	0.1824542	0.27459764	2.3442550	21	8 3.1	20.2
405485 2004 XW_{16}	15.2	X	139.59487	268.35666	84.28980	13.52882	0.2708033	0.19023607	2.9941541	21	1 29.6	20.2
405486 2004 XU_{18}	17.5	X	335.97604	322.89601	85.51029	5.60559	0.1711500	0.29040788	2.2583805	21	12 12.5	18.9
405487 2004 XH_{67}	16.4	X	320.69892	20.96961	64.60190	5.40418	0.1626696	0.17232097	3.1982370	21	11 28.1	20.0
405488 2004 XZ_{68}	17.5	X	258.21835	357.86061	69.85415	7.48697	0.2151583	0.28081950	2.3094995	21	8 5.4	20.6
405489 2004 XZ_{91}	16.8	X	22.42418	314.80824	69.55460	2.38940	0.0947434	0.17446391	3.1719937	21	12 16.6	20.9
405490 2004 XR_{92}	16.3	X	15.84363	0.66734	56.88566	9.27865	0.2701532	0.18053118	3.1005203	21	—	—
405491 2004 XF_{103}	15.5	X	318.86605	147.40795	319.94180	14.03140	0.2398818	0.17372287	3.1810077	21	12 20.2	18.9
405492 2004 XE_{104}	16.2	X	8.33090	31.78074	73.92020	11.37414	0.2686653	0.18196763	3.0841817	21	—	—
405493 2004 XE_{108}	15.4	X	21.00415	131.23910	288.71438	22.62490	0.1787899	0.17885763	3.1198310	21	—	—
405494 2004 XY_{150}	18.1	X	234.16561	17.38269	52.08640	5.59118	0.2073696	0.27551695	2.3390374	21	7 11.4	21.7
405495 2004 XP_{154}	15.7	X	157.77500	239.17394	82.84528	14.43983	0.1686101	0.18612850	3.0380445	21	—	—
405496 2004 XL_{182}	17.1	X	208.74917	169.52146	290.94002	10.25222	0.1420204	0.27670269	2.3323504	21	7 30.1	20.6
405497 2004 XS_{191}	15.8	X	5.55393	81.40751	28.26015	14.90143	0.2502751	0.17911440	3.1168487	21	—	—
405498 2004 XQ_{192}	16.5	X	31.43835	342.65092	98.15110	13.78815	0.1983339	0.18355529	3.0663716	21	—	—
405499 2005 AR_{12}	17.3	X	232.55515	351.85553	97.73804	3.36145	0.1758767	0.27508000	2.3415137	21	8 9.1	20.6
405500 2005 AY_{23}	18.3	X	227.59229	99.42990	351.84483	2.51818	0.1470016	0.27319880	2.3522503	21	8 8.7	21.6
405501 2005 AH_{32}	16.2	X	101.58105	304.85795	96.90754	5.89230	0.2670488	0.18998693	2.9967711	21	2 18.5	20.4
405502 2005 AY_{39}	15.8	X	6.87881	69.09283	20.46733	16.26630	0.2292758	0.17798297	3.1300438	21	—	—
405503 2005 AW_{40}	17.4	X	118.43713	25.41339	116.57769	7.96027	0.1998990	0.26220019	2.4175792	21	6 28.7	21.0
405504 2005 AN_{47}	16.5	X	22.81610	249.12637	192.39006	3.07339	0.2553289	0.18125542	3.0922556	21	—	—
405505 2005 AO_{61}	17.3	X	148.01784	58.69706	102.40842	7.38661	0.1582215	0.26765513	2.3846190	21	8 21.8	21.0
405506 2005 AB_{65}	17.6	X	112.09007	64.66865	130.06182	4.78760	0.1383182	0.26771521	2.3842622	21	8 26.3	20.9
405507 2005 AT_{68}	17.0	X	204.36416	3.50763	108.05862	6.98655	0.0831444	0.27033299	2.3688452	21	8 16.4	20.2
405508 2005 BG_{2}	16.4	X	313.19099	68.86042	345.60752	23.35245	0.3449223	0.28519706	2.2858059	21	9 23.9	17.4
405509 2005 BT_{7}	16.4	X	26.67167	118.22847	337.52742	3.44329	0.2660808	0.18235560	3.0798057	21	—	—
405510 2005 BD_{18}	15.7	X	55.52225	312.28878	102.59906	16.70296	0.2384365	0.18278061	3.0750296	21	—	—
405511 2005 BO_{49}	17.6	X	220.14080	292.78577	317.36608	16.11006	0.0549767	0.35410885	1.9786920	21	—	—
405512 2005 CF_{7}	17.1	X	324.31383	206.77119	319.03140	19.27288	0.1129496	0.35918435	1.9600077	21	—	—
405513 2005 CM_{27}	15.8	X	349.83654	306.66036	142.51334	17.17275	0.2118907	0.17459927	3.1703541	21	—	—
405514 2005 CR_{40}	17.6	X	265.77220	13.76421	353.18582	6.51459	0.1527061	0.26570457	2.3962752	21	5 26.3	20.9
405515 2005 CD_{44}	17.7	X	58.58419	217.03053	6.64578	2.12991	0.1365151	0.26045963	2.4283378	21	7 26.4	20.3
405516 2005 CL_{49}	16.7	X	148.40943	169.42644	321.66312	14.64468	0.0382713	0.26305016	2.4123686	21	7 5.9	20.0
405517 2005 CQ_{61}	17.5	X	257.63123	295.18144	335.05775	18.17024	0.0614368	0.36270559	1.9473016	21	1 3.9	20.2
405518 2005 CJ_{67}	15.6	X	21.38372	328.82522	142.24078	13.97557	0.1386579	0.17950855	3.1122845	21	—	—
405519 2005 CS_{80}	15.4	X	319.63560	116.17421	9.45505	15.30913	0.1479492	0.17103315	3.2142713	21	—	—
405520 2005 EA_{1}	17.7	X	167.95583	133.67748	356.37165	4.19090	0.1838211	0.26385957	2.4074327	21	7 30.5	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
405521 2005 EQ_{30}	17.4	X	173.02063	268.88943	159.63042	22.73555	0.0907987	0.37617077	1.9005502	21	5 9.9	20.2
405522 2005 EM_{53}	17.6	X	234.86689	263.24468	166.77294	6.81745	0.1855641	0.26805348	2.3822559	21	7 13.2	21.3
405523 2005 EG_{60}	17.6	X	135.77431	230.19337	266.27923	3.37876	0.1782956	0.26041884	2.4285914	21	7 6.8	21.2
405524 2005 EC_{65}	16.1	X	2.21785	119.00212	3.60199	9.88960	0.1853847	0.17702285	3.1413512	21	—	—
405525 2005 EA_{70}	17.1	X	94.11822	343.19456	139.03690	23.43360	0.0671785	0.37153077	1.9163413	21	4 4.4	19.3
405526 2005 EY_{104}	17.8	X	297.47374	59.74867	329.67736	4.63116	0.1691662	0.27507703	2.3415306	21	8 13.7	20.2
405527 2005 EH_{130}	18.1	X	76.05770	143.25130	325.47205	18.10789	0.0781732	0.36913036	1.9246401	21	2 2.8	19.4
405528 2005 EZ_{131}	16.9	X	164.94665	105.53370	5.30985	14.25001	0.1221863	0.26318362	2.4115530	21	7 1.2	20.8
405529 2005 EQ_{141}	17.4	X	320.06611	38.14236	177.10076	4.01639	0.1741485	0.24249211	2.5468555	21	1 13.1	20.9
405530 2005 EM_{159}	16.6	X	15.73402	320.37831	177.31593	10.67156	0.1854135	0.17893640	3.1189153	21	1 14.7	20.3
405531 2005 EK_{168}	17.5	X	212.83058	254.92037	181.77137	9.83464	0.1899708	0.26401491	2.4064883	21	6 30.2	21.5
405532 2005 EE_{172}	15.8	X	6.01755	286.66584	184.86885	25.29992	0.2971625	0.17518177	3.1633223	21	—	—
405533 2005 EM_{256}	17.8	X	109.35370	179.10696	327.63674	1.93810	0.1382339	0.25569918	2.4583846	21	6 17.3	21.0
405534 2005 EN_{295}	15.7	X	322.23761	122.88990	17.87053	27.56092	0.2216071	0.17170242	3.2059133	21	—	—
405535 2005 EN_{310}	17.7	X	249.04866	258.39520	149.06521	5.66616	0.2179112	0.26926407	2.3751103	21	6 25.3	21.2
405536 2005 EZ_{311}	18.0	X	190.82768	102.33272	357.19478	5.04958	0.0775830	0.26435037	2.4044520	21	7 14.3	21.5
405537 2005 EQ_{328}	18.3	X	286.38336	72.39126	344.41373	1.42724	0.2465758	0.27972949	2.3154952	21	8 22.2	20.7
405538 2005 GR_{3}	17.7	X	349.56067	182.27812	40.99247	9.19167	0.2226036	0.24347380	2.5400049	21	3 8.0	20.3
405539 2005 GY_{28}	16.9	X	95.16835	179.28079	14.01000	6.32409	0.1365516	0.25752761	2.4467345	21	8 5.3	20.3
405540 2005 GR_{38}	17.7	X	330.06487	198.48079	5.98762	8.07858	0.1437894	0.23809533	2.5781141	21	1 21.0	21.0
405541 2005 GM_{44}	17.2	X	109.24866	221.22863	314.44263	2.34872	0.1150022	0.25769992	2.4456437	21	7 24.3	20.6
405542 2005 GE_{49}	17.6	X	16.50147	11.36536	187.59350	5.40164	0.0587233	0.24482279	2.5306659	21	4 1.4	20.5
405543 2005 GN_{97}	17.2	X	97.74334	359.39982	151.06561	5.10680	0.0686783	0.25049542	2.4923146	21	5 29.1	20.4
405544 2005 GH_{99}	17.9	X	144.90861	269.84616	233.80719	1.66442	0.1397491	0.25787096	2.4445622	21	7 22.7	21.6
405545 2005 GN_{209}	16.9	X	311.16021	115.83330	145.44151	13.90081	0.2197060	0.24067962	2.5596259	21	2 25.5	20.2
405546 2005 JU_{21}	17.5	X	296.39521	54.11508	192.88578	13.26078	0.2237467	0.23547136	2.5972314	21	1 19.1	21.7
405547 2005 JV_{35}	17.2	X	309.68300	138.71424	110.93523	6.72204	0.0747938	0.23729890	2.5838794	21	3 4.3	20.6
405548 2005 JH_{65}	17.2	X	336.46087	120.25868	96.80223	5.11473	0.1287748	0.23890856	2.5722603	21	2 17.4	20.2
405549 2005 JO_{121}	17.0	X	228.36484	237.98393	87.05023	8.39603	0.2105790	0.23291567	2.6161958	21	3 1.6	21.5
405550 2005 JM_{133}	17.2	X	307.63099	104.53810	117.71899	4.69277	0.2093797	0.23408352	2.6074871	21	1 5.1	21.1
405551 2005 JM_{166}	16.6	X	269.02952	199.31589	36.42736	13.13174	0.2447949	0.22931977	2.6434741	21	—	—
405552 2005 KF_{5}	16.9	X	315.89547	171.10329	62.07933	13.94040	0.1313192	0.23643459	2.5901726	21	2 14.1	20.6
405553 2005 LP_{5}	16.7	X	267.91689	43.75970	231.55486	12.25855	0.2305366	0.23168086	2.6254834	21	1 25.7	21.4
405554 2005 LB_{7}	16.9	X	250.66948	249.62628	87.10205	13.08364	0.2376529	0.23709347	2.5853717	21	4 4.4	21.4
405555 2005 LQ_{14}	17.5	X	351.31213	148.25867	156.32388	6.99946	0.1154438	0.25251832	2.4789863	21	7 20.8	20.0
405556 2005 ML_{48}	16.4	X	275.33334	127.02842	141.42818	15.01822	0.0721911	0.22734878	2.6587304	21	2 13.5	20.2
405557 2005 NF_{15}	16.9	X	208.17664	44.06029	297.35127	13.15157	0.2118223	0.22566964	2.6719026	21	2 24.9	21.7
405558 2005 NP_{43}	16.7	X	4.60425	265.45876	287.86372	8.82376	0.1423744	0.23260521	2.6185232	21	2 24.9	19.8
405559 2005 NU_{55}	16.8	X	213.61752	124.11889	202.37669	11.94153	0.2936534	0.22296604	2.6934582	21	2 13.6	22.0
405560 2005 NP_{118}	17.4	X	349.11096	38.52621	133.77519	4.17581	0.0420294	0.22398767	2.6852618	21	1 20.6	20.8
405561 2005 NQ_{123}	16.8	X	235.29303	5.74158	330.35202	14.97547	0.2123115	0.22900408	2.6459029	21	3 12.8	21.4
405562 2005 OJ_{3}	18.0	X	175.18672	155.91165	238.31942	4.51049	0.5436361	0.22208008	2.7006169	21	4 15.3	23.9
405563 2005 OC_{9}	18.0	X	230.35506	112.76470	186.28961	4.97062	0.2423298	0.22404473	2.6848059	21	1 27.4	22.7
405564 2005 ON_{27}	17.0	X	189.62623	172.16276	181.36944	9.31355	0.1788760	0.22090366	2.7101965	21	2 28.0	21.5
405565 2005 QF_{11}	17.7	X	199.09011	105.80787	236.16662	3.31982	0.2737829	0.22194348	2.7017249	21	2 23.4	22.7
405566 2005 QC_{19}	16.7	X	231.30520	137.32559	181.54147	13.30816	0.1915810	0.22460477	2.6803411	21	2 20.5	21.3
405567 2005 QQ_{50}	16.7	X	232.15172	332.67944	15.91653	7.86709	0.1539008	0.22625362	2.6673031	21	4 1.8	20.9
405568 2005 QB_{60}	15.9	X	196.41994	352.48716	348.76145	26.40030	0.1526744	0.21930409	2.7233590	21	2 25.5	20.4
405569 2005 QR_{65}	17.1	X	210.35380	149.39450	189.15363	6.57567	0.2896606	0.22276114	2.6951096	21	2 27.2	22.0
405570 2005 QR_{67}	17.6	X	186.00281	305.72621	21.91853	3.52947	0.1913608	0.21589393	2.7519620	21	1 29.2	22.1
405571 2005 QE_{87}	18.3	X	211.54680	233.24526	157.90135	21.49072	0.1394457	0.41372834	1.7837167	21	4 28.6	21.0
405572 2005 QR_{93}	16.8	X	102.38616	294.41299	125.88755	8.62733	0.2256826	0.21306119	2.7763006	21	3 5.2	20.6
405573 2005 QW_{122}	16.8	X	299.83118	55.51741	166.68463	17.82779	0.1032167	0.21906787	2.7253164	21	1 11.8	21.0
405574 2005 QB_{124}	17.6	X	162.91006	346.20034	342.67416	3.11340	0.0952598	0.21225976	2.7832846	21	1 1.9	21.7
405575 2005 QY_{128}	17.2	X	203.85238	196.46091	138.27349	5.75795	0.1232137	0.22018874	2.7160597	21	2 19.1	21.4
405576 2005 QY_{134}	17.3	X	179.80993	5.23285	0.53793	5.54303	0.1262101	0.21949088	2.7218137	21	3 6.1	21.6
405577 2005 QM_{135}	17.3	X	180.73664	209.99080	159.93280	3.78809	0.1161660	0.22013010	2.7165420	21	3 10.9	21.4
405578 2005 QB_{140}	17.1	X	139.89899	286.48484	91.89181	1.30261	0.0839244	0.21482478	2.7610851	21	2 3.8	21.1
405579 2005 QY_{142}	17.3	X	253.68075	290.20611	346.90506	7.41517	0.1623670	0.22239739	2.6980475	21	1 27.1	21.6
405580 2005 QZ_{173}	16.9	X	176.88917	345.26935	345.46062	11.15561	0.1682675	0.21603230	2.7507868	21	1 25.5	21.5
405581 2005 QT_{189}	17.6	X	158.40740	45.68062	325.02458	2.44404	0.2059330	0.21742727	2.7390085	21	2 24.6	22.1
405582 2005 RK_{13}	17.0	X	214.05434	229.63857	111.13869	9.45601	0.2710439	0.22470856	2.6795157	21	3 8.8	21.9
405583 2005 RZ_{44}	16.3	X	177.36862	345.88034	336.45736	22.04304	0.2421354	0.21202274	2.7853584	21	1 24.1	21.3
405584 2005 RJ_{48}	17.1	X	138.47780	50.88718	320.26755	12.57139	0.2238545	0.21140713	2.7907631	21	2 9.6	21.4
405585 2005 SF_{9}	16.5	X	168.75759	345.86442	39.66220	10.98125	0.2790628	0.22013402	2.7165098	21	3 29.9	21.3
405586 2005 ST_{13}	16.9	X	146.74094	26.64092	16.55164	5.06592	0.1670950	0.21694251	2.7430872	21	3 22.7	21.1
405587 2005 SY_{14}	17.6	X	135.12613	249.29093	206.33724	5.63895	0.3919096	0.21887120	2.7269487	21	5 31.7	22.6
405588 2005 SM_{29}	16.4	X	302.68107	132.51301	359.58823	11.17537	0.0597642	0.19702779	2.9249452	21	—	—
405589 2005 SL_{30}	16.5	X	139.32629	208.38968	194.89004	7.34766	0.2255183	0.21606335	2.7505232	21	3 19.6	20.8
405590 2005 SE_{45}	19.4	X	76.23383	39.68586	299.32255	1.16517	0.2063980	0.32167338	2.1095637	21	—	—
405591 2005 SK_{46}	16.4	X	90.09753	9.09234	7.60196	9.82959	0.0959455	0.20307488	2.8665878	21	—	—
405592 2005 SV_{46}	16.8	X	159.85490	35.20466	4.86382	8.34415	0.2376294	0.21813241	2.7331025	21	4 3.1	21.5
405593 2005 SM_{55}	16.7	X	161.01541	339.16952	25.85387	2.91791	0.1885577	0.21380204	2.7698834	21	2 20.6	21.1
405594 2005 SH_{61}	17.1	X	213.18641	272.95076	33.19154	2.09080	0.1475857	0.21471385	2.7620360	21	1 25.8	21.7
405595 2005 SJ_{74}	17.4	X	134.80742	211.47482	196.54924	1.77422	0.0912083	0.21716704	2.7411961	21	3 6.5	21.4
405596 2005 SE_{79}	16.8	X	144.36405	220.73672	162.45084	3.82435	0.1053627	0.21468717	2.7622648	21	2 16.6	20.7
405597 2005 SR_{80}	16.9	X	119.40159	348.22855	24.25923	5.13995	0.1688642	0.20881704	2.8137926	21	1 17.1	20.8
405598 2005 SF_{86}	16.5	X	173.01651	313.01260	18.85590	15.28018	0.1093229	0.21169389	2.7882422	21	1 21.6	21.0
405599 2005 SD_{94}	17.1	X	182.74373	54.19983	326.93322	3.65527	0.1259934	0.22419723	2.6835883	21	3 25.0	21.4
405600 2005 SC_{102}	16.5	X	235.08998	303.26263	352.24533	8.26563	0.1732419	0.21715881	2.7412654	21	2 2.1	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
405601 2005 SS_{106}	17.0	X	111.64851	200.73181	204.41007	1.84007	0.0621908	0.21247773	2.7813807	21	1 30.3	20.7
405602 2005 SU_{108}	16.7	X	229.84508	94.41192	198.77794	12.84563	0.1205036	0.21517384	2.7580983	21	1 22.4	21.3
405603 2005 SD_{114}	17.2	X	106.68993	76.56290	340.51231	1.04415	0.0511041	0.21376949	2.7701645	21	2 6.8	20.7
405604 2005 SV_{116}	16.8	X	188.51023	153.96773	189.30796	8.44725	0.1560619	0.21875556	2.7279097	21	2 13.7	21.4
405605 2005 SZ_{131}	16.8	X	148.53410	144.74745	207.95910	3.51196	0.1116378	0.20943247	2.8082776	21	1 16.3	20.9
405606 2005 SK_{141}	17.0	X	155.84489	299.32251	88.73247	2.95378	0.0837396	0.21696013	2.7429386	21	3 6.5	21.1
405607 2005 SA_{145}	17.6	X	121.55960	259.32257	162.39111	5.24583	0.1517679	0.21556863	2.7547298	21	3 17.3	21.4
405608 2005 SG_{159}	16.1	X	132.55758	217.08836	208.26555	24.78449	0.0704281	0.21706556	2.7420504	21	3 20.3	20.2
405609 2005 SN_{166}	16.0	X	164.40978	12.89336	26.87161	17.09319	0.2259852	0.21952155	2.7215602	21	4 8.4	20.5
405610 2005 SL_{167}	16.4	X	171.82043	224.96476	118.90670	9.44831	0.2226606	0.21367638	2.7709692	21	2 6.9	21.0
405611 2005 SN_{171}	17.0	X	167.87609	10.67375	12.83254	6.35896	0.0416780	0.21902141	2.7257018	21	3 10.6	20.8
405612 2005 SF_{176}	17.2	X	192.75314	44.45125	283.74099	3.35880	0.1756356	0.21504990	2.7591579	21	2 2.2	21.8
405613 2005 SH_{177}	17.4	X	118.52125	62.34914	342.74365	5.85439	0.0746788	0.21277458	2.7787932	21	2 11.2	21.2
405614 2005 SP_{177}	16.8	X	7.53986	151.42165	338.64783	6.79202	0.1174653	0.20707598	2.8295426	21	—	—
405615 2005 SC_{185}	17.0	X	110.70300	185.33395	224.02884	3.95726	0.1638629	0.21109555	2.7935085	21	2 17.1	20.8
405616 2005 SK_{185}	17.7	X	120.30376	13.89454	12.78499	3.42049	0.1012829	0.21119468	2.7926343	21	1 25.6	21.6
405617 2005 SH_{188}	17.1	X	24.21654	293.35357	170.37612	2.10103	0.0297021	0.20585776	2.8406946	21	—	—
405618 2005 SY_{198}	17.0	X	22.04182	137.21327	0.83908	4.40166	0.0410245	0.21294340	2.7773243	21	1 26.1	20.5
405619 2005 SU_{200}	17.1	X	200.40738	115.36999	183.02254	3.91026	0.1877374	0.21285721	2.7780739	21	1 5.9	21.9
405620 2005 SQ_{215}	16.7	X	132.37317	64.52307	6.58268	10.11965	0.2723156	0.21561828	2.7543069	21	4 18.9	21.2
405621 2005 SH_{218}	16.7	X	204.05767	147.41876	190.84973	7.90323	0.2820529	0.21817974	2.7327072	21	2 22.6	21.8
405622 2005 SC_{228}	16.8	X	87.87206	26.65238	28.83829	3.58849	0.1130479	0.20904675	2.8117310	21	1 21.1	20.3
405623 2005 SP_{228}	17.0	X	144.95571	44.04297	1.62350	5.27379	0.1315018	0.21846793	2.7303035	21	3 19.7	21.0
405624 2005 ST_{230}	17.3	X	54.98450	267.20111	196.39248	8.82983	0.1130392	0.21080482	2.7960764	21	1 29.1	20.7
405625 2005 SM_{267}	16.8	X	171.28744	18.73865	329.24730	8.01993	0.2059420	0.21613727	2.7498960	21	2 9.8	21.3
405626 2005 SS_{271}	17.2	X	184.64261	1.69719	338.41849	3.99123	0.0892890	0.21546188	2.7556396	21	2 6.4	21.2
405627 2005 SL_{275}	16.9	X	135.58016	98.54048	282.77046	3.23711	0.0856524	0.21214290	2.7843065	21	2 2.2	20.9
405628 2005 SW_{280}	16.5	X	169.85330	29.84858	353.44949	9.59683	0.1961777	0.21639606	2.7477031	21	3 20.3	21.0
405629 2005 TG_{5}	16.2	X	12.60612	119.06936	349.94151	8.37265	0.3894404	0.19806231	2.9147512	21	—	—
405630 2005 TX_{7}	17.3	X	69.27610	257.26270	148.36552	2.65275	0.0656352	0.20341364	2.8634043	21	—	—
405631 2005 TS_{8}	16.8	X	195.42057	298.23011	31.28756	11.61856	0.1225898	0.21432220	2.7653999	21	2 10.2	21.3
405632 2005 TZ_{9}	16.7	X	171.69026	48.94006	339.99649	13.03360	0.2174186	0.21933009	2.7231438	21	3 26.1	21.5
405633 2005 TC_{28}	15.9	X	212.28196	334.95887	31.96648	17.75684	0.1853901	0.22271503	2.6954815	21	4 8.5	20.4
405634 2005 TB_{37}	17.0	X	113.26521	39.54402	345.16023	3.86059	0.0788432	0.20977275	2.8052399	21	1 11.1	20.8
405635 2005 TF_{39}	16.5	X	137.84418	23.25038	23.15894	6.83761	0.1003924	0.21486004	2.7607831	21	3 12.0	20.5
405636 2005 TE_{41}	17.0	X	159.79825	184.60464	176.42333	4.51135	0.0860116	0.21238369	2.7822017	21	2 4.2	21.2
405637 2005 TY_{43}	16.4	X	141.48729	13.89078	27.68403	12.66652	0.0889784	0.21737596	2.7394395	21	3 11.6	20.4
405638 2005 TR_{66}	17.5	X	211.86266	71.80959	242.74095	3.27769	0.0564422	0.21614661	2.7498168	21	2 1.4	21.6
405639 2005 TO_{67}	17.6	X	227.36721	36.27158	250.26863	2.39102	0.1647224	0.21601750	2.7509124	21	1 13.9	22.2
405640 2005 TY_{90}	17.4	X	150.47680	295.17464	34.28208	3.40104	0.1729391	0.20902696	2.8119084	21	—	—
405641 2005 TK_{91}	17.1	X	192.70941	284.40626	36.15453	3.99913	0.0865933	0.21416301	2.7667701	21	1 22.7	21.3
405642 2005 TT_{92}	17.2	X	134.89275	86.85033	299.34100	4.62442	0.0783500	0.21199187	2.7856288	21	2 6.4	21.0
405643 2005 TJ_{98}	16.9	X	130.12866	59.69425	353.41070	7.76394	0.2948544	0.21232954	2.7826747	21	3 29.6	21.4
405644 2005 TW_{100}	16.8	X	167.07495	77.60453	277.98778	3.22563	0.0875215	0.21417896	2.7666328	21	2 5.4	20.8
405645 2005 TF_{113}	17.1	X	189.44381	335.04870	341.57404	2.59394	0.1714851	0.21296065	2.7771743	21	1 18.2	21.5
405646 2005 TF_{115}	17.2	X	155.69234	28.51611	340.02421	2.77700	0.1061374	0.21407380	2.7675387	21	2 11.9	21.3
405647 2005 TE_{125}	16.8	X	85.01688	232.44121	211.39184	8.80599	0.2038762	0.20994634	2.8036933	21	3 3.8	20.4
405648 2005 TY_{132}	15.5	X	307.76027	201.40123	283.01970	10.34306	0.2263683	0.18388132	3.0627459	21	12 23.6	18.5
405649 2005 TU_{138}	16.9	X	237.63104	231.81508	46.63236	5.54480	0.1618560	0.21446819	2.7641448	21	1 14.9	21.5
405650 2005 TP_{142}	16.9	X	146.82843	184.40269	168.27403	5.33024	0.1646058	0.20953662	2.8073469	21	1 20.2	21.2
405651 2005 TE_{157}	17.2	X	73.37977	119.78885	315.95515	2.88704	0.0788970	0.20903505	2.8118359	21	1 21.1	20.7
405652 2005 TS_{162}	17.0	X	139.01588	38.31304	346.50514	2.90840	0.0955634	0.21188080	2.7866022	21	2 12.9	21.0
405653 2005 TL_{197}	15.9	X	178.30650	95.15440	263.62470	14.65302	0.1061103	0.21642496	2.7474586	21	2 15.7	20.4
405654 2005 UP_{26}	16.6	X	147.52216	329.98606	52.84521	7.11201	0.0720280	0.21220656	2.7837497	21	2 20.1	20.7
405655 2005 UB_{29}	16.6	X	211.14779	322.96532	37.35527	10.11291	0.2518252	0.22071301	2.7117569	21	3 29.7	21.4
405656 2005 UU_{66}	16.5	X	192.10405	287.52048	72.26185	13.14144	0.1795626	0.21869919	2.7283783	21	3 18.1	21.3
405657 2005 UY_{69}	16.6	X	151.58192	85.30706	320.62444	8.36824	0.2489026	0.21689253	2.7435086	21	4 1.2	21.3
405658 2005 UR_{76}	16.1	X	167.04688	135.94111	248.57471	14.32170	0.3314072	0.21655375	2.7463691	21	3 20.8	21.4
405659 2005 US_{85}	16.4	X	143.58159	194.60958	197.83233	6.33016	0.1037748	0.21295315	2.7772395	21	2 25.8	20.4
405660 2005 UJ_{97}	16.8	X	146.83379	310.13385	79.15112	5.90858	0.0542522	0.21179412	2.7873625	21	2 24.6	20.8
405661 2005 UR_{105}	16.5	X	294.29196	56.48426	64.61913	9.31799	0.1818258	0.18705802	3.0279718	21	11 29.8	20.1
405662 2005 UR_{111}	16.2	X	153.05797	321.43050	44.92024	9.91427	0.1684231	0.20912982	2.8109864	21	2 17.3	20.7
405663 2005 UQ_{125}	16.8	X	87.84556	152.32136	238.55602	4.99806	0.0723405	0.20137013	2.8827436	21	—	—
405664 2005 UE_{140}	18.4	X	90.88537	98.35242	208.60678	5.78910	0.2010944	0.31829434	2.1244676	21	—	—
405665 2005 UX_{156}	17.0	X	123.48339	70.05421	335.09785	1.23492	0.0780903	0.21097887	2.7945384	21	2 17.2	20.7
405666 2005 UC_{158}	17.1	X	182.48574	126.05096	219.26279	2.85696	0.1028947	0.21290180	2.7776861	21	2 9.8	21.4
405667 2005 UW_{170}	17.3	X	88.76111	23.10634	345.59034	1.29731	0.0914472	0.19834997	2.9119324	21	—	—
405668 2005 UH_{171}	16.4	X	94.34932	20.85927	256.97343	1.67580	0.0696371	0.18348491	3.0671557	21	11 3.5	20.7
405669 2005 UT_{185}	16.0	X	339.04426	261.95100	230.96703	16.33604	0.0867723	0.19695618	2.9256540	21	—	—
405670 2005 UC_{187}	16.8	X	138.15314	159.42218	230.79958	5.56759	0.1212146	0.20972696	2.8056481	21	2 18.9	21.0
405671 2005 UP_{187}	17.2	X	120.15472	19.79131	10.61355	2.77200	0.1138059	0.21078168	2.7962810	21	1 31.7	21.0
405672 2005 UR_{189}	17.1	X	129.20438	119.69676	240.14611	0.97619	0.0756901	0.20414869	2.8565269	21	—	—
405673 2005 UX_{189}	17.0	X	107.81963	92.39382	232.29998	3.10521	0.2536648	0.19782648	2.9170672	21	—	—
405674 2005 UN_{192}	17.1	X	163.41164	279.23492	47.55626	2.68709	0.0643893	0.20295434	2.8677227	21	—	—
405675 2005 UF_{200}	16.9	X	125.30176	311.92365	71.47917	3.48790	0.0311802	0.20659539	2.8339290	21	1 18.3	20.7
405676 2005 UE_{212}	17.4	X	69.65748	266.15647	176.58792	1.84166	0.1096065	0.20557403	2.8433078	21	1 28.1	20.7
405677 2005 UZ_{220}	16.6	X	265.88258	268.35666	349.79432	3.89529	0.0239769	0.21034877	2.8001163	21	1 29.8	20.4
405678 2005 UL_{227}	16.8	X	153.84364	308.02736	51.78104	4.28370	0.1047804	0.20874143	2.8144721	21	2 1.2	21.0
405679 2005 US_{227}	16.8	X	275.31423	320.51414	218.17490	9.04335	0.0269175	0.19634428	2.9317294	21	—	—
405680 2005 UY_{240}	16.8	X	232.78651	255.57669	90.88157	7.31090	0.0972976	0.22018243	2.7161116	21	4 7.1	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
405681 2005 UU_{247}	17.0	X	90.02923	236.29128	196.95229	3.95766	0.0545384	0.21110452	2.7934294	21	2 4.9	20.8
405682 2005 UX_{250}	16.4	X	124.12893	133.75477	281.81684	7.91875	0.1716228	0.21319547	2.7751347	21	3 10.6	20.6
405683 2005 UE_{269}	16.8	X	110.63583	4.79556	48.71725	3.50412	0.0614052	0.21149422	2.7899969	21	2 10.6	20.6
405684 2005 UG_{279}	17.1	X	86.85706	266.27622	119.05836	1.50133	0.1487625	0.20136887	2.8827556	21	—	—
405685 2005 UR_{286}	16.9	X	94.87044	352.11593	72.44972	5.40660	0.0610476	0.20960959	2.8066954	21	2 4.7	20.7
405686 2005 UX_{305}	17.2	X	70.30570	158.45870	251.06135	1.02065	0.0616969	0.20225284	2.8743499	21	—	—
405687 2005 UH_{306}	16.8	X	156.06597	339.58777	36.38276	7.26818	0.0182707	0.21154477	2.7895524	21	2 15.6	20.7
405688 2005 UU_{319}	17.1	X	106.29417	53.40390	346.63856	1.70419	0.0739461	0.20681599	2.8319135	21	1 20.9	20.8
405689 2005 UA_{320}	16.7	X	89.93215	149.88628	241.53053	5.24135	0.0983604	0.20269256	2.8701913	21	—	—
405690 2005 UB_{323}	16.8	X	155.76447	307.19753	78.81397	4.14424	0.2493897	0.21409506	2.7673555	21	3 18.1	21.4
405691 2005 UK_{327}	16.7	X	127.75653	131.69062	243.78619	13.75893	0.2174623	0.20640498	2.8356716	21	1 30.3	21.2
405692 2005 UH_{338}	17.1	X	186.43510	111.19822	195.58720	4.49760	0.0640567	0.20660666	2.8338260	21	—	—
405693 2005 UX_{344}	17.2	X	269.84404	178.10211	76.64038	2.86371	0.0250023	0.21029604	2.8005843	21	1 29.9	21.0
405694 2005 UO_{362}	16.2	X	70.81261	347.37833	33.91103	12.53379	0.0629365	0.19730319	2.9222227	21	—	—
405695 2005 UU_{366}	16.1	X	139.59891	262.14061	62.84507	13.36206	0.1730637	0.20190180	2.8776806	21	—	—
405696 2005 UG_{388}	17.1	X	164.74803	225.73868	93.48215	3.19678	0.0584328	0.20495275	2.8490509	21	—	—
405697 2005 UH_{398}	17.0	X	179.02705	205.18126	156.73294	2.10844	0.3345109	0.21542977	2.7559134	21	3 8.6	22.0
405698 2005 UO_{418}	17.3	X	81.99468	226.25296	152.35837	2.37541	0.0920526	0.19962271	2.8995421	21	—	—
405699 2005 UC_{491}	16.4	X	111.24275	134.55564	246.39212	14.20207	0.1524621	0.20586684	2.8406111	21	1 11.5	20.4
405700 2005 UG_{500}	17.0	X	104.86539	347.87943	85.62773	11.86936	0.2552062	0.21019889	2.8014472	21	4 2.5	21.2
405701 2005 UX_{514}	17.3	X	151.43953	233.99361	141.44245	4.09344	0.1046820	0.21427467	2.7658088	21	2 15.4	21.1
405702 2005 UV_{521}	17.2	X	99.94133	305.67082	120.99840	4.83654	0.0851381	0.21212847	2.7844328	21	2 16.1	20.7
405703 2005 UZ_{527}	17.5	X	82.53880	10.47606	23.48199	2.18354	0.0735211	0.20262175	2.8708600	21	—	—
405704 2005 VV_{59}	16.6	X	224.93468	86.25878	89.43198	4.55475	0.1439892	0.18653914	3.0335844	21	11 14.2	21.1
405705 2005 VH_{64}	17.1	X	94.98476	254.60853	179.64842	4.34090	0.0435754	0.21101269	2.7942398	21	2 11.6	20.9
405706 2005 VK_{65}	16.7	X	165.25712	294.84551	69.87006	5.28976	0.0824130	0.21217139	2.7840573	21	2 17.5	20.8
405707 2005 VZ_{65}	17.4	X	160.33422	194.58255	186.71550	3.40171	0.2586641	0.21494495	2.7600560	21	3 14.2	22.2
405708 2005 VX_{86}	15.9	X	268.07630	31.96639	120.62832	18.82629	0.2301319	0.17682954	3.1436402	21	11 26.8	20.5
405709 2005 VR_{91}	17.5	X	54.30560	249.84023	179.00391	1.91541	0.0505670	0.20172312	2.8793797	21	—	—
405710 2005 VA_{131}	16.9	X	119.19629	281.15073	139.79184	7.08989	0.0363182	0.21485325	2.7608412	21	2 25.9	20.5
405711 2005 VN_{135}	17.4	X	67.10479	87.98092	351.31978	1.59972	0.0944353	0.20347029	2.8628728	21	1 19.5	20.8
405712 2005 WJ_{28}	17.1	X	145.37450	311.97026	38.06655	2.51641	0.0769510	0.20263797	2.8707068	21	1 8.1	21.1
405713 2005 WK_{35}	16.3	X	336.35489	251.95693	249.78929	8.46417	0.0548730	0.19682698	2.9269342	21	—	—
405714 2005 WO_{36}	16.9	X	43.06618	250.69782	214.79238	1.69817	0.2373877	0.20107063	2.8856055	21	1 21.9	19.4
405715 2005 WU_{39}	16.6	X	29.92440	244.39417	247.17913	1.85176	0.1120333	0.20397455	2.8581525	21	1 28.3	19.8
405716 2005 WR_{42}	16.9	X	121.73733	53.96671	315.09381	1.01520	0.0804549	0.20131058	2.8833121	21	1 3.9	20.9
405717 2005 WB_{66}	17.1	X	353.85728	251.50307	231.63475	3.42445	0.1192824	0.19685873	2.9266195	21	—	—
405718 2005 WK_{79}	16.9	X	155.13645	294.20808	58.85476	2.87796	0.0729652	0.20331333	2.8643460	21	1 22.4	21.1
405719 2005 WR_{103}	15.9	X	69.73899	304.44411	132.47367	12.25757	0.1284669	0.20358204	2.8618250	21	1 23.4	19.4
405720 2005 WT_{114}	16.2	X	77.68922	21.96752	49.14589	7.93664	0.1276675	0.20336340	2.8638758	21	1 31.2	19.8
405721 2005 WR_{143}	16.8	X	175.99120	274.69449	73.73881	8.48098	0.2008827	0.20953301	2.8073793	21	2 17.4	21.6
405722 2005 WV_{157}	16.0	X	298.73288	208.17233	282.54122	10.72042	0.1732020	0.18296107	3.0730073	21	12 20.2	19.6
405723 2005 WF_{163}	16.6	X	119.87486	115.56796	283.51098	5.09661	0.0696466	0.20599518	2.8394312	21	2 3.7	20.6
405724 2005 WJ_{172}	16.7	X	301.14402	110.72226	92.49926	3.24138	0.0081288	0.20337044	2.8638098	21	1 7.6	20.5
405725 2005 WC_{211}	15.8	X	174.13500	59.57798	245.91203	13.91857	0.1418003	0.20347035	2.8628722	21	—	—
405726 2005 XJ	16.6	X	141.43630	292.44002	46.64672	2.63119	0.0650344	0.19943872	2.9013251	21	—	—
405727 2005 XS_{23}	16.5	X	132.20029	343.47087	56.58102	9.35720	0.2286111	0.20942669	2.8083293	21	3 15.7	21.0
405728 2005 XQ_{25}	18.6	X	326.81208	348.33912	79.83960	4.20934	0.0896355	0.31059810	2.1594187	21	12 24.4	20.3
405729 2005 XN_{40}	18.4	X	59.98999	297.78916	58.35427	2.56560	0.1810658	0.31337667	2.1466353	21	—	—
405730 2005 XM_{64}	15.7	X	303.78999	147.02659	336.37563	12.25560	0.3072359	0.17911421	3.1168509	21	11 28.3	19.1
405731 2005 YS_{7}	18.4	X	326.04112	316.00863	102.81845	4.38801	0.1722229	0.30566350	2.1825975	21	12 12.8	19.6
405732 2005 YQ_{12}	16.1	X	184.50214	230.93694	76.53018	3.12385	0.0142750	0.19743279	2.9209438	21	—	—
405733 2005 YR_{13}	16.1	X	300.40639	195.45835	292.90442	8.59513	0.0445587	0.18258616	3.0772124	21	12 31.1	20.3
405734 2005 YA_{15}	17.6	X	55.20045	82.64833	297.63835	2.99839	0.1443443	0.31388363	2.1443233	21	—	—
405735 2005 YR_{22}	15.8	X	10.64915	154.65812	292.66589	8.06458	0.1605736	0.19018117	2.9947303	21	—	—
405736 2005 YV_{25}	16.5	X	346.59586	321.74688	122.88090	3.51008	0.1312335	0.18488190	3.0516856	21	—	—
405737 2005 YD_{26}	15.6	X	88.07875	17.94783	292.47074	15.60801	0.0977137	0.18001198	3.1064791	21	12 8.4	20.4
405738 2005 YT_{30}	16.1	X	42.97953	130.70806	297.46026	5.53377	0.1021253	0.19188176	2.9770097	21	—	—
405739 2005 YT_{33}	16.0	X	95.92135	276.48073	108.63828	15.10430	0.1066645	0.19521544	2.9430204	21	—	—
405740 2005 YT_{39}	15.8	X	273.35160	90.60665	103.99313	9.76828	0.0547779	0.18852159	3.0122798	21	—	—
405741 2005 YV_{40}	15.9	X	353.38751	298.74862	119.29967	11.94018	0.0573075	0.18077210	3.0977648	21	12 16.9	20.1
405742 2005 YD_{58}	16.4	X	74.64340	45.76390	292.87939	8.48216	0.0841296	0.18121735	3.0926887	21	12 25.9	20.9
405743 2005 YV_{67}	15.9	X	270.62082	234.87920	299.58290	8.59089	0.0440669	0.18603273	3.0390871	21	—	—
405744 2005 YA_{70}	16.0	X	49.14053	263.45913	103.83785	11.89356	0.1061379	0.18267837	3.0761769	21	—	—
405745 2005 YW_{77}	18.1	X	313.22643	164.14856	298.58675	4.47735	0.0547003	0.30957762	2.1641615	21	—	—
405746 2005 YF_{81}	16.4	X	37.35202	279.82318	109.23917	9.83469	0.0902292	0.18515829	3.0486480	21	—	—
405747 2005 YT_{105}	17.8	X	13.50700	91.10913	275.84629	6.13798	0.0836198	0.30454970	2.1879158	21	12 9.3	20.1
405748 2005 YE_{106}	15.8	X	240.27971	81.29974	107.06477	10.44702	0.0280162	0.18400322	3.0613931	21	12 30.1	20.2
405749 2005 YX_{107}	16.2	X	9.44968	158.58248	278.43458	8.46581	0.0471363	0.18771776	3.0208730	21	—	—
405750 2005 YJ_{109}	16.9	X	127.00975	147.86309	209.26131	1.35490	0.0719911	0.19444885	2.9507503	21	—	—
405751 2005 YX_{117}	16.8	X	308.05608	40.17169	90.17494	2.69190	0.0882983	0.18424880	3.0586722	21	—	—
405752 2005 YT_{122}	16.6	X	143.27613	110.98450	283.25007	25.00173	0.3584644	0.21101233	2.7942430	21	3 9.6	22.1
405753 2005 YF_{127}	16.0	X	20.25659	28.41184	77.74206	11.15897	0.0823125	0.19537638	2.9414040	21	—	—
405754 2005 YK_{129}	15.9	X	0.81636	281.54964	75.82099	6.98188	0.1033287	0.17425787	3.1744936	21	10 16.5	19.9
405755 2005 YC_{133}	16.0	X	245.64107	255.95160	302.22950	11.02632	0.1464931	0.18470633	3.0536191	21	—	—
405756 2005 YK_{133}	17.8	X	158.98906	177.85376	49.43612	3.40151	0.0796408	0.30367248	2.1921272	21	11 29.9	20.7
405757 2005 YK_{138}	18.2	X	21.49593	77.10767	315.11876	3.07538	0.0917246	0.30974824	2.1633667	21	—	—
405758 2005 YO_{148}	16.4	X	4.74897	68.90725	24.73229	3.67953	0.0770239	0.18903789	3.0067926	21	—	—
405759 2005 YJ_{149}	17.5	X	81.57524	200.98590	78.43841	5.51379	0.1347127	0.29747430	2.2224726	21	11 16.1	20.4
405760 2005 YN_{151}	17.2	X	296.81420	142.99376	312.87863	6.57085	0.0815935	0.30392240	2.1909253	21	12 9.7	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
405761 2005 YD_{152}	17.6	X	247.76828	163.25207	319.84093	6.65047	0.1371666	0.29914300	2.2141999	21	10 17.2	20.3
405762 2005 YO_{180}	20.3	X	245.26340	87.73386	7.73401	5.77168	0.4478912	0.54696568	1.4807986	21	8 11.0	21.7
405763 2005 YS_{183}	17.5	X	75.13257	9.87126	262.48182	8.49948	0.1011922	0.29603572	2.2296668	21	10 21.4	20.5
405764 2005 YF_{184}	16.1	X	261.85670	74.97231	127.90960	10.72055	0.0495203	0.18843932	3.0131566	21	—	—
405765 2005 YW_{185}	18.6	X	271.03277	54.65093	69.85136	2.08826	0.0980233	0.30424959	2.1893543	21	12 6.5	20.6
405766 2005 YW_{189}	17.4	X	64.52417	202.11049	87.48884	4.43990	0.1728984	0.29710119	2.2243329	21	11 14.8	20.2
405767 2005 YA_{203}	18.9	X	317.24944	197.20480	225.09878	1.73133	0.0900667	0.30375664	2.1917223	21	11 25.9	20.7
405768 2005 YP_{218}	16.1	X	191.21925	245.88735	314.84482	10.41699	0.1422608	0.17402531	3.1773211	21	11 4.9	21.3
405769 2005 YY_{223}	17.2	X	14.21778	71.22422	354.45559	2.30079	0.1511547	0.18851385	3.0123623	21	—	—
405770 2005 YV_{224}	15.8	X	98.18782	225.51049	92.32964	9.94408	0.0336992	0.18429770	3.0581311	21	12 22.3	20.0
405771 2005 YW_{228}	16.1	X	84.33240	59.52857	303.17784	9.12460	0.0275416	0.18456644	3.0551619	21	—	—
405772 2005 YW_{239}	15.9	X	336.98909	11.33540	120.17325	10.96826	0.0552284	0.19064874	2.9898318	21	—	—
405773 2005 YX_{252}	15.8	X	187.48206	297.30230	314.68019	8.62129	0.0526461	0.18350881	3.0668894	21	—	—
405774 2005 YF_{275}	15.3	X	252.02984	222.69501	307.63435	15.73703	0.1234585	0.17768934	3.1334911	21	12 7.8	19.9
405775 2005 YC_{281}	16.0	X	105.52908	38.15884	315.30874	9.70614	0.1010593	0.18914999	3.0056045	21	—	—
405776 2006 AP	16.7	X	251.68626	16.67670	114.25709	23.68310	0.2668817	0.29903715	2.2147224	21	10 29.2	20.0
405777 2006 AZ	16.9	X	352.40364	291.79694	270.84689	25.35954	0.0478466	0.39581753	1.8371278	21	1 18.1	18.8
405778 2006 AM_{13}	15.9	X	223.97936	284.79135	271.18667	14.14594	0.0998014	0.18398461	3.0615995	21	12 10.9	20.5
405779 2006 AB_{22}	16.3	X	346.01561	69.42212	9.97218	11.72745	0.2341803	0.18381127	3.0635241	21	—	—
405780 2006 AZ_{34}	16.4	X	90.49790	63.49387	299.00906	11.26604	0.1510376	0.18940442	3.0029123	21	—	—
405781 2006 AN_{35}	16.3	X	161.73014	99.04000	124.73684	10.23074	0.1442578	0.17236517	3.1976901	21	11 12.4	21.6
405782 2006 AX_{35}	16.0	X	341.30489	187.36873	293.47751	7.83665	0.0359101	0.18827076	3.0149548	21	—	—
405783 2006 AE_{43}	16.1	X	98.36769	238.51420	136.60517	10.65591	0.0890383	0.19062787	2.9900500	21	—	—
405784 2006 AD_{44}	16.3	X	353.50680	335.60646	145.54325	10.64587	0.2692779	0.18990299	2.9976541	21	—	—
405785 2006 AP_{48}	17.9	X	253.23329	177.20702	286.45501	4.24221	0.1072671	0.29460891	2.2368600	21	10 2.4	20.7
405786 2006 AN_{53}	16.7	X	53.29456	224.01019	186.76481	1.55406	0.0507379	0.18915976	3.0055010	21	—	—
405787 2006 AN_{58}	16.1	X	159.47374	154.04074	114.25217	13.19303	0.0518653	0.18314219	3.0709809	21	12 31.3	20.8
405788 2006 AV_{64}	17.2	X	148.30008	271.21595	309.80416	7.57310	0.0766634	0.29833288	2.2182065	21	11 5.6	20.3
405789 2006 AP_{66}	17.8	X	0.17438	114.03837	275.52699	5.11820	0.0173060	0.30324449	2.1941894	21	12 11.8	20.3
405790 2006 AO_{68}	16.4	X	33.34598	269.42833	129.25391	11.64765	0.0340994	0.18242634	3.0790095	21	—	—
405791 2006 AF_{72}	16.2	X	49.06936	231.29552	127.85748	15.23532	0.0423842	0.17867978	3.1219009	21	12 15.9	20.7
405792 2006 AC_{73}	16.1	X	210.33374	238.00556	307.33082	7.92710	0.0410355	0.17480467	3.1678700	21	11 16.1	20.8
405793 2006 AU_{80}	18.6	X	7.62496	267.44442	112.32824	6.05600	0.2780554	0.30725960	2.1750324	21	—	—
405794 2006 AS_{84}	16.3	X	346.49961	56.20092	29.39784	9.52578	0.2256544	0.18485869	3.0519410	21	—	—
405795 2006 AT_{86}	16.9	X	129.90499	307.20096	154.50849	6.82830	0.2871933	0.21182943	2.7870527	21	5 29.2	21.7
405796 2006 AX_{100}	18.4	X	268.77377	313.46900	141.73472	7.40023	0.1055323	0.29835973	2.2180734	21	10 20.9	20.8
405797 2006 BG_{1}	17.5	X	270.18522	157.21175	309.96412	6.27044	0.0587196	0.29988487	2.2105466	21	11 11.5	20.1
405798 2006 BQ_{22}	16.1	X	274.37196	186.69124	324.07529	4.01656	0.0893056	0.17953259	3.1120067	21	12 17.9	20.3
405799 2006 BT_{30}	16.7	X	359.98370	319.92104	109.59908	6.72692	0.1831583	0.18355155	3.0664132	21	—	—
405800 2006 BQ_{37}	16.2	X	115.74457	236.85460	123.72914	11.73603	0.1593111	0.19190970	2.9767208	21	—	—
405801 2006 BZ_{38}	16.0	X	122.44078	278.14890	98.70679	6.65116	0.0738947	0.20337132	2.8638015	21	1 13.0	20.0
405802 2006 BY_{39}	15.9	X	19.40328	102.31137	319.05059	10.32041	0.0192246	0.18240475	3.0792523	21	—	—
405803 2006 BS_{46}	15.2	X	289.94580	308.76855	147.87911	33.29572	0.0508223	0.17117027	3.2125544	21	11 14.5	20.3
405804 2006 BR_{48}	16.2	X	5.30499	244.50273	110.35950	6.19901	0.1690330	0.17165150	3.2065473	21	10 25.1	19.9
405805 2006 BZ_{50}	16.3	X	293.38731	110.46311	46.33812	1.62102	0.1479216	0.18424690	3.0586932	21	—	—
405806 2006 BT_{53}	17.9	X	308.84027	94.33247	347.52238	1.98361	0.0735542	0.30036757	2.2081777	21	12 9.3	20.0
405807 2006 BQ_{54}	17.9	X	239.35666	138.04302	335.96424	4.54768	0.0828829	0.29252819	2.2474545	21	10 2.2	20.7
405808 2006 BS_{57}	15.9	X	106.99900	191.57839	76.41993	6.35707	0.0621835	0.16923052	3.2370564	21	11 5.0	20.6
405809 2006 BZ_{59}	16.0	X	238.41559	231.56262	332.90103	11.77351	0.0484941	0.17936992	3.1138878	21	—	—
405810 2006 BL_{71}	18.3	X	356.90376	29.06709	5.18747	6.49046	0.1383755	0.30359010	2.1925238	21	12 31.8	20.5
405811 2006 BQ_{72}	16.1	X	94.75642	256.59339	114.39585	9.49846	0.0640975	0.18680114	3.0307471	21	—	—
405812 2006 BH_{75}	16.5	X	219.44143	64.57375	114.87349	10.20293	0.0477481	0.17429665	3.1740227	21	11 23.3	21.2
405813 2006 BC_{77}	16.6	X	351.75553	316.59553	140.70272	6.53121	0.0817115	0.18590696	3.0404576	21	—	—
405814 2006 BL_{83}	16.4	X	179.01330	183.89140	77.26227	2.86170	0.0595587	0.18253379	3.0778010	21	—	—
405815 2006 BN_{84}	15.6	X	29.58824	35.94288	315.28828	16.32387	0.0247766	0.17305311	3.1892099	21	10 31.2	20.4
405816 2006 BV_{94}	15.9	X	260.15658	342.49339	153.35241	14.33876	0.0478184	0.17194865	3.2028520	21	11 19.8	20.6
405817 2006 BQ_{100}	15.7	X	321.57639	294.19008	163.35709	26.56225	0.2369863	0.18107999	3.0942525	21	12 17.7	19.4
405818 2006 BK_{101}	16.2	X	14.02667	261.17924	126.39280	12.44947	0.0662650	0.17755128	3.1351152	21	12 8.7	20.5
405819 2006 BJ_{102}	16.4	X	212.25174	47.12696	152.05184	10.23454	0.0580574	0.17484009	3.1674423	21	12 6.5	21.2
405820 2006 BV_{113}	18.1	X	87.87694	239.71907	321.98497	4.62540	0.1216123	0.28070549	2.3101248	21	8 4.3	20.8
405821 2006 BA_{114}	16.3	X	330.68344	317.73514	131.66235	11.84842	0.0697510	0.17962759	3.1109093	21	12 23.6	20.4
405822 2006 BV_{123}	17.3	X	84.01724	258.71215	328.65570	7.48793	0.0928288	0.28247215	2.3004826	21	8 30.5	20.2
405823 2006 BE_{126}	18.2	X	48.27261	263.09336	314.47108	1.58707	0.1590836	0.27339630	2.3511173	21	7 2.6	20.5
405824 2006 BM_{136}	16.8	X	344.55414	41.51672	88.58021	2.89117	0.1681011	0.18876169	3.0097250	21	—	—
405825 2006 BC_{137}	16.6	X	269.36989	40.58560	98.53650	2.45280	0.1197659	0.17646134	3.1480117	21	11 22.9	20.7
405826 2006 BW_{137}	18.0	X	176.34840	260.81540	268.33990	1.17885	0.0492422	0.29091039	2.2557791	21	10 2.2	21.0
405827 2006 BM_{139}	15.8	X	321.17479	328.63457	160.81554	16.73739	0.1599312	0.18146118	3.0899176	21	—	—
405828 2006 BX_{141}	16.4	X	348.57814	145.62815	316.43255	9.41303	0.1264713	0.18387207	3.0628486	21	—	—
405829 2006 BJ_{143}	17.6	X	122.35152	213.37847	331.35965	9.04602	0.2008455	0.28176953	2.3043054	21	8 28.5	21.1
405830 2006 BB_{145}	15.9	X	318.00507	142.89882	291.21278	8.87272	0.0726135	0.17590261	3.1546743	21	11 12.8	20.1
405831 2006 BC_{152}	16.0	X	307.72337	151.12258	340.32510	8.85141	0.0520854	0.18109057	3.0941319	21	—	—
405832 2006 BW_{153}	17.5	X	97.38257	130.21737	149.90617	7.05640	0.1052059	0.29720881	2.2237959	21	12 2.3	20.6
405833 2006 BQ_{158}	17.5	X	111.31780	306.02664	258.35692	2.29551	0.1205033	0.28455442	2.2892461	21	9 4.7	20.6
405834 2006 BM_{159}	17.8	X	104.72351	51.22299	156.83240	5.47243	0.1934133	0.28214444	2.3022636	21	9 11.2	21.2
405835 2006 BB_{179}	15.4	X	21.54725	46.78348	320.35239	11.68452	0.0306549	0.17298660	3.1900273	21	11 13.2	20.0
405836 2006 BD_{179}	18.0	X	243.70041	6.33883	122.44787	2.40890	0.0641844	0.29759087	2.2218922	21	11 5.1	20.4
405837 2006 BV_{182}	15.9	X	317.52125	171.64174	332.23043	8.58400	0.0408664	0.18362494	3.0655961	21	—	—
405838 2006 BZ_{185}	16.1	X	24.94924	86.11684	312.42382	8.58136	0.0550207	0.17834159	3.1258463	21	—	—
405839 2006 BO_{199}	18.1	X	325.92617	109.94267	313.36757	3.25925	0.0865234	0.29966301	2.2116376	21	12 11.7	20.2
405840 2006 BP_{203}	16.4	X	271.98391	126.19807	43.26973	1.69838	0.1171884	0.18004492	3.1061002	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
405841 2006 BF_{212}	16.0	X	291.01345	309.54512	150.61136	17.15156	0.1889775	0.17352767	3.1833927	21	10 30.5	20.3
405842 2006 BQ_{223}	17.9	X	124.04144	40.31715	149.59155	3.31395	0.1606018	0.28378564	2.2933787	21	9 3.9	21.1
405843 2006 BT_{227}	17.8	X	264.71675	310.91650	146.82898	2.06079	0.1029305	0.29431526	2.2383476	21	10 15.5	20.0
405844 2006 BM_{229}	16.9	X	11.95973	326.52818	100.90286	5.81133	0.2027295	0.18636636	3.0354590	21	—	—
405845 2006 BJ_{230}	15.9	X	59.98292	261.15068	113.46013	10.31213	0.1075209	0.18329567	3.0692663	21	—	—
405846 2006 BS_{248}	16.0	X	28.45749	26.51658	339.08318	10.48280	0.1089527	0.17289908	3.1911038	21	12 1.6	20.5
405847 2006 BR_{255}	15.6	X	292.96570	226.03976	262.10215	5.11073	0.0923581	0.17801267	3.1296956	21	12 15.1	19.5
405848 2006 BQ_{278}	18.0	X	138.15185	332.99934	230.24627	0.95939	0.0459570	0.28975846	2.2617536	21	10 1.4	20.9
405849 2006 BA_{280}	15.7	X	33.36687	232.87943	133.75615	12.75932	0.1862246	0.17528487	3.1620818	21	12 23.4	20.0
405850 2006 BN_{283}	16.9	X	46.60421	145.22292	297.46400	2.51848	0.1132983	0.19251405	2.9704878	21	—	—
405851 2006 CZ_{10}	15.9	X	79.56723	39.19000	303.77317	8.06745	0.1381900	0.18474840	3.0531555	21	—	—
405852 2006 CS_{12}	16.7	X	282.75693	150.82517	316.30905	6.69171	0.1122232	0.17466695	3.1695351	21	10 29.9	21.1
405853 2006 CA_{15}	16.0	X	91.43969	250.39668	140.96930	13.38507	0.1192214	0.19175199	2.9783527	21	—	—
405854 2006 CE_{58}	16.1	X	173.89000	98.71601	136.18213	16.63940	0.0516753	0.17543750	3.1602475	21	12 8.9	21.1
405855 2006 CW_{66}	16.1	X	68.01570	195.41599	150.93147	5.79871	0.0669977	0.17782912	3.1318488	21	12 24.5	20.6
405856 2006 DB_{10}	17.7	X	92.48937	104.54161	103.42230	5.05872	0.1831322	0.27882007	2.3205274	21	8 28.9	20.9
405857 2006 DA_{53}	16.3	X	263.47148	163.55867	339.71438	11.92474	0.0670972	0.17203635	3.2017635	21	11 23.3	20.9
405858 2006 DU_{55}	16.3	X	250.99873	30.65814	106.71859	5.81581	0.1150428	0.17030296	3.2234523	21	10 30.9	21.0
405859 2006 DP_{61}	15.3	X	304.63909	315.92116	153.27712	28.19195	0.1964524	0.17250809	3.1959237	21	12 3.1	19.6
405860 2006 DJ_{65}	17.4	X	170.31145	154.82431	47.98791	7.02629	0.1249184	0.29384243	2.2407481	21	11 6.8	20.5
405861 2006 DN_{80}	17.8	X	62.72704	283.14639	311.10374	1.32791	0.1782800	0.27698448	2.3307683	21	8 24.6	20.3
405862 2006 DJ_{81}	18.4	X	96.90381	223.55634	346.34259	1.20039	0.1454360	0.27982652	2.3149599	21	8 30.3	21.5
405863 2006 DJ_{84}	16.5	X	352.91188	145.67592	325.93624	5.49034	0.1421935	0.18382668	3.0633528	21	—	—
405864 2006 DP_{90}	16.0	X	194.33891	56.46277	170.70306	12.26110	0.0615586	0.17096072	3.2151790	21	12 17.9	21.0
405865 2006 DZ_{96}	15.6	X	42.66096	51.46615	4.89446	23.68139	0.1937029	0.18101724	3.0949674	21	—	—
405866 2006 DQ_{98}	16.6	X	266.55047	181.36445	332.74655	3.85593	0.1112000	0.17610241	3.1522877	21	12 7.6	20.9
405867 2006 DJ_{111}	15.8	X	102.21030	353.46123	349.07184	17.74605	0.2282351	0.17643357	3.1483420	21	—	—
405868 2006 DO_{111}	16.0	X	47.76473	33.95826	342.27184	9.32404	0.1070110	0.17875667	3.1210055	21	—	—
405869 2006 DS_{127}	18.0	X	155.04794	30.32823	140.47050	7.46379	0.0617876	0.28800794	2.2709091	21	9 9.6	21.0
405870 2006 DL_{149}	17.4	X	200.68701	312.82420	180.73409	6.55699	0.1290868	0.28705016	2.2759577	21	9 6.2	20.6
405871 2006 DW_{149}	17.8	X	212.92573	295.88154	185.20841	6.47102	0.0309870	0.28613248	2.2808214	21	9 13.8	20.4
405872 2006 DS_{176}	16.3	X	277.57485	34.31658	147.47670	6.09948	0.0981758	0.18002804	3.1062944	21	—	—
405873 2006 DW_{179}	16.2	X	78.86825	11.06739	0.11739	9.36789	0.0777143	0.17884057	3.1200294	21	—	—
405874 2006 DK_{200}	17.6	X	92.90504	242.69548	321.76392	22.63235	0.1912633	0.27798427	2.3251764	21	8 21.3	20.9
405875 2006 DN_{210}	18.0	X	57.47919	224.22414	359.35863	2.10793	0.1785203	0.27328916	2.3517317	21	8 1.4	20.5
405876 2006 DN_{216}	16.5	X	309.52897	322.61203	177.64272	10.30287	0.0893826	0.17797339	3.1301561	21	—	—
405877 2006 EU_{3}	17.7	X	31.05984	326.57307	359.88186	6.56807	0.1295607	0.29121347	2.2542136	21	11 10.2	20.3
405878 2006 EL_{5}	17.6	X	6.57090	200.57637	48.11138	3.03709	0.1878530	0.26970145	2.3725417	21	5 21.6	19.2
405879 2006 EF_{7}	17.1	X	230.50425	138.76408	354.74548	8.50630	0.0683301	0.29255628	2.2473106	21	10 18.7	19.9
405880 2006 EA_{14}	18.1	X	351.01597	83.74965	167.64250	2.75630	0.1917215	0.26620301	2.3932831	21	4 19.3	19.9
405881 2006 EO_{17}	18.0	X	89.38623	206.67815	356.18206	3.20887	0.1647945	0.27642445	2.3339153	21	8 14.6	20.9
405882 2006 EL_{21}	16.2	X	37.80344	64.36975	344.08182	8.50149	0.0377574	0.18048892	3.1010042	21	—	—
405883 2006 EX_{21}	16.5	X	204.47554	80.36709	136.66822	3.88302	0.0606936	0.17423406	3.1747828	21	12 17.2	21.2
405884 2006 EN_{37}	17.6	X	53.14569	227.13609	6.98676	22.66683	0.1990613	0.27330044	2.3516670	21	8 25.6	20.7
405885 2006 EC_{67}	18.1	X	62.95673	106.44321	144.66936	5.95195	0.1185306	0.28061317	2.3106315	21	9 10.1	20.8
405886 2006 EU_{67}	16.5	X	278.41082	7.75070	137.37592	5.25867	0.0632534	0.17874566	3.1211338	21	12 19.7	20.8
405887 2006 FO_{6}	16.1	X	273.08156	125.95476	353.86244	13.57115	0.0825167	0.17030055	3.2234828	21	11 2.7	20.7
405888 2006 FB_{31}	16.1	X	342.44847	74.11464	32.95122	24.00423	0.1754967	0.17731742	3.1378712	21	—	—
405889 2006 FH_{32}	15.5	X	230.02078	238.10161	17.41856	10.91739	0.1221558	0.17783560	3.1317727	21	—	—
405890 2006 FQ_{32}	17.8	X	0.52664	190.53571	77.12685	2.23616	0.1630634	0.26688890	2.3891809	21	6 9.9	19.6
405891 2006 FS_{37}	17.3	X	91.11985	229.78444	337.90261	22.29329	0.2480849	0.27543204	2.3395181	21	9 1.3	20.8
405892 2006 FJ_{39}	15.9	X	282.79398	294.09322	201.28643	3.90066	0.1522844	0.17594930	3.1541161	21	12 2.0	19.8
405893 2006 GH_{28}	17.7	X	37.09554	227.33750	36.38829	7.62335	0.1118507	0.27317478	2.3523881	21	8 19.9	20.3
405894 2006 GQ_{28}	17.3	X	319.59083	135.89023	202.08116	6.54511	0.1336323	0.27168227	2.3609957	21	7 9.0	19.7
405895 2006 GJ_{40}	17.0	X	8.30911	84.45635	30.07399	22.95026	0.2779682	0.31467587	2.1407227	21	—	—
405896 2006 HS_{8}	16.1	X	349.04079	96.10279	358.62541	11.40310	0.1326535	0.17824643	3.1269588	21	—	—
405897 2006 HO_{16}	17.2	X	316.94643	207.59872	111.10999	5.23272	0.2078673	0.26557693	2.3970429	21	5 24.7	19.8
405898 2006 HO_{18}	17.9	X	40.31540	231.33318	30.20678	1.73352	0.1715469	0.27306201	2.3530358	21	8 28.9	20.2
405899 2006 HV_{18}	17.9	X	59.68567	226.54530	37.27067	7.41275	0.0856294	0.27946884	2.3169346	21	9 20.4	20.7
405900 2006 HK_{22}	17.5	X	1.38631	191.62860	98.53516	3.49224	0.1897358	0.26965716	2.3728015	21	7 22.3	19.1
405901 2006 HM_{36}	18.0	X	4.72294	111.69504	130.66889	3.30095	0.1356321	0.26259900	2.4151309	21	5 11.3	20.1
405902 2006 HM_{56}	17.3	X	78.80889	29.60586	172.73318	5.89899	0.1222571	0.27245095	2.3565527	21	7 21.7	20.3
405903 2006 HO_{64}	18.2	X	352.70883	108.86075	182.29276	3.58802	0.1580448	0.26767892	2.3844777	21	7 1.3	20.2
405904 2006 HW_{71}	17.7	X	62.34726	154.81267	84.98890	7.91283	0.0731367	0.27306796	2.3530016	21	8 17.3	20.5
405905 2006 HG_{72}	17.6	X	31.46191	128.31814	83.77909	8.07472	0.1328227	0.26347469	2.4097766	21	5 19.2	19.8
405906 2006 HT_{82}	18.0	X	15.39846	42.37118	230.27181	0.69612	0.1942220	0.26810924	2.3819256	21	7 27.4	19.6
405907 2006 HW_{98}	17.7	X	135.51672	315.75202	215.38646	4.18563	0.1031744	0.27561544	2.3384802	21	8 15.5	21.0
405908 2006 HH_{99}	17.5	X	101.98420	103.99383	56.70364	6.93030	0.0889294	0.26763489	2.3847392	21	6 19.6	20.5
405909 2006 HW_{103}	15.4	X	359.39661	344.82179	115.26565	17.43293	0.1555653	0.17281676	3.1921171	21	—	—
405910 2006 HC_{117}	15.4	X	227.65962	182.48016	63.59726	18.34069	0.0563724	0.17203580	3.2017702	21	—	—
405911 2006 HU_{120}	17.7	X	349.32405	178.27007	123.45291	3.41225	0.1990738	0.26699975	2.3885196	21	7 9.5	19.2
405912 2006 HR_{132}	17.0	X	33.81445	39.01255	19.66106	5.37387	0.1297704	0.18111325	3.0938736	21	—	—
405913 2006 JJ_{11}	17.8	X	6.95040	256.50013	341.02692	1.95561	0.1510051	0.26253657	2.4155137	21	5 5.2	20.0
405914 2006 JX_{62}	18.0	X	11.23619	271.65993	356.48479	5.98627	0.1630646	0.27463011	2.3440702	21	7 8.1	19.9
405915 2006 JP_{70}	18.1	X	344.37797	289.69116	37.01647	2.59192	0.0742480	0.27530564	2.3402342	21	8 15.7	20.3
405916 2006 JG_{81}	18.0	X	86.62472	84.08600	151.95503	4.88837	0.1108405	0.27547792	2.3392584	21	9 18.9	21.0
405917 2006 KO_{5}	17.6	X	31.77975	7.22221	231.46110	5.42147	0.1415083	0.26668485	2.3903995	21	6 30.4	19.8
405918 2006 KN_{28}	15.5	X	48.05059	9.99592	60.43026	10.24323	0.0691033	0.17499010	3.1656318	21	—	—
405919 2006 KC_{37}	17.3	X	236.29235	321.65846	76.03377	7.50122	0.1444674	0.26569946	2.3963060	21	6 6.1	20.6
405920 2006 KG_{48}	17.6	X	190.52040	13.37202	93.56487	5.40852	0.1097256	0.27339668	2.3511151	21	7 22.7	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
405921 2006 KW_{50}	17.9	X	328.62124	167.61701	151.03671	1.60162	0.2006993	0.26597317	2.3946617	21	6 17.1	19.8
405922 2006 KZ_{53}	17.6	X	299.84157	142.51363	159.45576	2.71872	0.2058616	0.25738500	2.4476383	21	4 5.6	20.9
405923 2006 KQ_{58}	17.8	X	348.65058	102.28165	146.95717	3.80875	0.1936849	0.26008122	2.4306927	21	4 12.3	19.9
405924 2006 KD_{68}	17.8	X	354.07975	158.51476	106.86887	10.58030	0.2462026	0.26415491	2.4056379	21	5 17.6	19.5
405925 2006 KC_{71}	18.1	X	24.86706	130.06320	134.31805	5.85827	0.0767393	0.26902768	2.3765014	21	7 20.7	20.6
405926 2006 KQ_{109}	17.9	X	327.69436	1.12026	281.56051	1.35257	0.1748575	0.26206516	2.4184096	21	4 23.3	20.5
405927 2006 OR_{21}	18.2	X	243.58436	212.78631	145.95252	2.33808	0.2573632	0.24572957	2.5244364	21	4 17.4	22.3
405928 2006 PO_{32}	14.5	X	302.06518	275.03620	92.49210	10.23407	0.2667685	0.12422938	3.9778937	21	6 30.9	19.7
405929 2006 QG_{3}	17.3	X	221.66778	3.35777	347.29333	13.02016	0.2625641	0.24005138	2.5640899	21	3 19.4	21.8
405930 2006 QL_{69}	15.4	X	308.83387	206.77867	146.91793	3.49374	0.2340975	0.12468803	3.9681330	21	6 28.5	20.4
405931 2006 QK_{82}	15.2	X	301.70414	348.22732	10.44985	2.48339	0.2308136	0.12448685	3.9724070	21	6 25.1	20.3
405932 2006 QR_{94}	16.6	X	236.00978	11.21797	349.07625	13.37165	0.0427048	0.24653577	2.5189300	21	4 20.6	20.3
405933 2006 QT_{185}	17.5	X	271.89729	124.38562	174.02933	10.73947	0.1434855	0.24156567	2.5533631	21	3 8.5	21.1
405934 2006 RM_{3}	17.8	X	130.43508	66.56499	353.71645	20.26775	0.0975091	0.36757882	1.9300522	21	2 27.3	19.6
405935 2006 RO_{5}	16.9	X	188.39071	347.39663	73.24641	5.90473	0.1822833	0.24405880	2.5359444	21	5 20.2	21.0
405936 2006 RC_{28}	17.7	X	260.03974	147.10394	177.56061	6.41508	0.2059957	0.24212375	2.5494380	21	3 24.1	21.8
405937 2006 RN_{33}	17.1	X	210.42645	5.60357	347.31024	13.52412	0.2247630	0.23749952	2.5824241	21	3 15.0	21.6
405938 2006 RC_{43}	17.6	X	261.19328	133.13689	187.05259	8.96149	0.1472061	0.24138831	2.5546136	21	3 24.5	21.5
405939 2006 RP_{48}	17.8	X	180.56061	229.04376	193.21298	5.24409	0.2223650	0.23972363	2.5664264	21	5 16.6	22.1
405940 2006 RV_{50}	17.2	X	89.72456	276.38016	194.93865	9.78366	0.0931989	0.23234144	2.6205046	21	3 28.9	20.4
405941 2006 RM_{53}	17.9	X	165.79961	233.70487	181.83268	7.38730	0.1883940	0.23612813	2.5924132	21	4 25.3	22.2
405942 2006 RA_{54}	17.7	X	209.04735	352.29310	20.57452	10.33815	0.2142009	0.23880193	2.5730259	21	4 8.4	21.9
405943 2006 RU_{57}	15.8	X	317.71380	318.01593	33.38244	3.22252	0.2325481	0.12406915	3.9813178	21	7 10.6	20.6
405944 2006 RH_{58}	18.1	X	249.18236	173.66464	184.54622	17.27848	0.2696401	0.24546286	2.5262647	21	4 21.6	22.4
405945 2006 RF_{75}	17.2	X	243.80185	285.02209	12.72286	7.23996	0.1100355	0.23469505	2.6029556	21	2 13.6	21.2
405946 2006 RL_{76}	18.3	X	274.28687	310.50095	16.49624	3.69680	0.1571272	0.24568770	2.5247232	21	4 14.9	22.0
405947 2006 RO_{86}	17.9	X	191.39611	42.96062	3.89312	5.07805	0.2517489	0.24023904	2.5627544	21	5 4.1	22.5
405948 2006 RD_{94}	17.1	X	255.40646	318.00009	344.88694	4.06064	0.1418513	0.23654288	2.5893820	21	2 26.7	20.9
405949 2006 RM_{105}	17.8	X	62.68211	316.87747	193.02347	1.39105	0.1035383	0.23557577	2.5964640	21	4 11.6	20.8
405950 2006 RM_{120}	17.6	X	191.51505	55.12106	12.10166	11.21034	0.1640059	0.24362615	2.5389459	21	5 28.2	21.8
405951 2006 SD_{1}	17.0	X	253.16192	0.30541	354.15558	15.04260	0.0676807	0.24603296	2.5223607	21	4 30.9	20.8
405952 2006 SK_{3}	17.5	X	244.72186	110.89153	239.87424	6.10074	0.1788104	0.24409238	2.5357119	21	4 11.3	21.6
405953 2006 SX_{4}	17.8	X	249.93521	85.03928	276.39754	3.15843	0.2692113	0.24622207	2.5210690	21	4 22.9	22.1
405954 2006 SA_{5}	18.1	X	234.39107	161.09425	188.42093	22.40616	0.0766765	0.37458569	1.9059080	21	3 23.0	20.2
405955 2006 SR_{6}	16.6	X	222.84385	304.45743	67.26349	15.81698	0.1364186	0.24414130	2.5353731	21	4 26.2	20.7
405956 2006 SW_{11}	17.4	X	209.74129	130.13160	262.08966	3.26860	0.2660918	0.24191983	2.5508704	21	4 30.3	21.9
405957 2006 SP_{13}	16.2	X	190.11218	343.44148	11.93652	13.24489	0.0513730	0.23325564	2.6136531	21	3 2.7	20.0
405958 2006 SW_{13}	16.9	X	192.38426	205.67119	184.29414	16.92474	0.1279839	0.23942953	2.5685276	21	4 16.3	20.9
405959 2006 SR_{34}	17.6	X	209.84745	24.51627	345.25388	6.27462	0.2155370	0.23935348	2.5690717	21	4 3.2	22.1
405960 2006 SE_{44}	17.9	X	192.25811	167.39313	223.30787	4.85469	0.2607008	0.23939302	2.5687887	21	4 16.1	22.3
405961 2006 SR_{45}	17.4	X	259.81291	339.08048	18.42560	8.87083	0.1279975	0.24736591	2.5132912	21	5 10.1	21.0
405962 2006 SN_{56}	16.5	X	107.40670	296.31286	80.61818	10.08810	0.2192182	0.22006346	2.7170904	21	1 11.9	20.0
405963 2006 SZ_{61}	17.5	X	219.83088	222.90045	132.92647	5.18995	0.2219643	0.23975201	2.5662239	21	3 28.9	21.8
405964 2006 SP_{65}	17.2	X	178.64901	193.07532	194.40584	13.39581	0.1054907	0.23432104	2.6057246	21	3 27.6	21.0
405965 2006 SW_{71}	17.4	X	168.81436	184.70703	184.45336	5.73745	0.0565049	0.22941882	2.6427132	21	2 18.5	21.1
405966 2006 SN_{76}	17.5	X	248.83028	143.19180	187.04636	12.78978	0.2689092	0.24117635	2.5561102	21	3 15.9	22.0
405967 2006 SL_{83}	16.5	X	354.17598	198.73708	20.10614	14.04682	0.1520440	0.23892476	2.5721440	21	3 20.6	19.2
405968 2006 SG_{85}	17.7	X	145.56894	51.13402	21.80932	3.95077	0.0827906	0.23734810	2.5835222	21	4 16.8	21.1
405969 2006 SG_{103}	17.6	X	109.10666	248.79156	189.87569	4.58446	0.1535370	0.23063916	2.6333829	21	3 21.4	21.1
405970 2006 SJ_{105}	17.1	X	33.95280	180.06636	332.40634	1.75088	0.1399020	0.22974602	2.6402034	21	2 27.2	19.6
405971 2006 SZ_{113}	17.0	X	202.99652	104.29175	183.69297	10.97483	0.1835432	0.22685951	2.6625517	21	—	—
405972 2006 SV_{116}	17.3	X	228.01317	353.17112	21.85151	4.78891	0.1966940	0.24210297	2.5495839	21	4 26.4	21.3
405973 2006 SJ_{123}	16.9	X	203.51882	352.34771	34.69953	13.82635	0.2339398	0.24104238	2.5570572	21	4 21.2	21.3
405974 2006 SC_{129}	17.9	X	140.22458	41.30455	342.12509	18.96581	0.1069878	0.36105813	1.9532206	21	1 21.2	20.1
405975 2006 SB_{132}	17.1	X	226.21908	24.34469	340.01976	18.50443	0.2428925	0.24170044	2.5524138	21	4 2.7	21.8
405976 2006 SR_{147}	17.8	X	228.82050	359.28370	353.98518	3.57779	0.1610749	0.24040406	2.5615815	21	4 1.9	21.9
405977 2006 SY_{152}	17.5	X	133.55005	146.13991	290.45591	3.25279	0.1931318	0.23608853	2.5927031	21	4 18.6	21.4
405978 2006 SV_{153}	17.6	X	20.75703	135.53988	15.98908	22.29291	0.0424498	0.36554434	1.9372069	21	1 5.6	20.1
405979 2006 SU_{154}	17.6	X	218.05432	249.50048	94.33310	5.41800	0.2234305	0.23758342	2.5818160	21	3 14.0	22.1
405980 2006 SA_{156}	16.8	X	187.11074	266.91645	184.43185	12.65751	0.1580721	0.25240120	2.4797531	21	6 26.2	21.0
405981 2006 SO_{182}	18.0	X	237.55183	10.98248	354.59216	0.81177	0.2150122	0.24385511	2.5373564	21	4 22.3	22.2
405982 2006 SV_{183}	16.6	X	13.86565	116.36314	17.04657	13.11506	0.1616228	0.22072731	2.7116398	21	—	—
405983 2006 SE_{208}	17.7	X	147.84384	265.11724	172.74973	21.81812	0.1065483	0.37628208	1.9001754	21	4 19.8	20.0
405984 2006 SH_{208}	18.2	X	222.56936	82.88438	297.82773	3.15843	0.3311343	0.24320391	2.5418837	21	4 23.2	23.0
405985 2006 SM_{223}	16.8	X	39.45515	152.19443	21.31349	6.25329	0.0732067	0.23548230	2.5971510	21	4 4.4	19.9
405986 2006 SS_{242}	17.5	X	152.66997	300.99457	152.02705	3.67687	0.1837529	0.24058313	2.5603103	21	5 29.3	21.6
405987 2006 SZ_{257}	17.1	X	117.71418	100.57135	15.96920	14.99780	0.0997115	0.23798751	2.5788927	21	5 8.5	20.8
405988 2006 SE_{281}	16.7	X	136.10049	20.20829	55.94687	14.32222	0.1412397	0.23241141	2.6199786	21	4 21.3	20.6
405989 2006 SH_{287}	16.7	X	224.80692	12.41951	340.34725	15.22864	0.1544479	0.23931738	2.5693300	21	3 24.8	21.0
405990 2006 SG_{294}	18.1	X	200.65794	37.02053	346.03028	3.69626	0.2261946	0.23949825	2.5680363	21	4 12.5	22.6
405991 2006 SX_{309}	16.8	X	207.30364	44.13908	217.59512	5.46194	0.1285696	0.22025657	2.7155020	21	—	—
405992 2006 SN_{310}	17.6	X	184.85184	82.18325	348.69916	4.21885	0.2451124	0.24129056	2.5553035	21	5 29.1	22.1
405993 2006 SP_{318}	17.6	X	138.04094	63.57146	29.28207	13.37560	0.2365195	0.23550519	2.5969828	21	5 16.2	21.9
405994 2006 SH_{333}	16.8	X	290.19044	234.61524	17.76625	30.01578	0.1885422	0.23550915	2.5969536	21	2 11.5	21.3
405995 2006 SM_{335}	16.6	X	166.34963	140.27583	177.87066	13.61876	0.1185915	0.22246943	2.6974650	21	—	—
405996 2006 SP_{343}	16.5	X	153.23005	45.66541	15.09130	22.14153	0.0891462	0.23502695	2.6005045	21	4 9.2	20.2
405997 2006 SM_{345}	17.8	X	124.47203	165.95227	272.47575	2.68651	0.1347415	0.23198581	2.6231821	21	4 4.8	21.6
405998 2006 SW_{350}	15.1	X	321.32262	259.58046	94.11307	3.70079	0.2285201	0.12526154	3.9560116	21	7 20.1	19.8
405999 2006 SM_{353}	16.7	X	120.13525	38.42945	42.00221	13.19070	0.1659449	0.23111150	2.6297937	21	4 11.3	20.5
406000 2006 SG_{356}	16.4	X	160.59319	2.04047	34.01510	13.66739	0.1520241	0.23178716	2.6246806	21	3 28.4	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406001 2006 SN_{358}	17.7	X	102.38373	268.45782	177.19133	7.22317	0.2816187	0.22690455	2.6621994	21	4 11.6	21.4
406002 2006 SH_{359}	16.8	X	181.91129	13.51664	41.45668	15.07306	0.2546950	0.23725128	2.5842251	21	5 7.6	21.2
406003 2006 SM_{363}	17.8	X	233.23215	197.48165	179.82518	5.13645	0.3005211	0.24230167	2.5481898	21	4 30.1	22.3
406004 2006 SS_{365}	17.5	X	261.61374	299.54291	35.58157	10.96932	0.1303565	0.24076641	2.5590108	21	4 16.3	21.1
406005 2006 SP_{366}	17.1	X	341.65251	122.04690	143.91166	3.64059	0.0147932	0.24323314	2.5416801	21	5 16.6	20.3
406006 2006 SA_{368}	17.1	X	261.98311	325.53062	3.59329	15.29048	0.1524480	0.24216650	2.5491379	21	4 3.2	21.0
406007 2006 SJ_{368}	17.5	X	160.35212	181.22726	237.76286	3.21767	0.2151876	0.23468325	2.6030429	21	4 24.3	21.9
406008 2006 SP_{398}	17.2	X	217.28611	27.20391	355.67175	15.08635	0.1926999	0.24097780	2.5575140	21	4 21.9	21.7
406009 2006 SG_{401}	16.8	X	80.39701	221.77836	224.98925	7.74862	0.1214957	0.22166925	2.7039526	21	2 13.6	20.3
406010 2006 SX_{404}	17.2	X	186.96663	95.18344	192.18442	13.70588	0.0983970	0.22135680	2.7064965	21	—	—
406011 2006 TK_{5}	17.3	X	122.49208	239.14588	174.06109	23.01100	0.0840726	0.36174210	1.9507578	21	1 24.5	19.7
406012 2006 TP_{10}	17.3	X	209.04160	153.60503	182.45073	12.39942	0.2801589	0.23412448	2.6071829	21	2 21.8	22.2
406013 2006 TW_{20}	17.4	X	245.07794	121.26494	203.06665	3.82679	0.2138370	0.23736573	2.5833943	21	3 9.2	21.6
406014 2006 TX_{26}	17.7	X	182.17907	35.55529	35.44408	4.58819	0.2508705	0.23926349	2.5697158	21	5 27.5	22.1
406015 2006 TN_{35}	16.5	X	189.32569	53.30137	226.07972	8.67184	0.1811317	0.21755933	2.7379000	21	—	—
406016 2006 TQ_{36}	17.9	X	161.31215	50.38616	330.54289	1.21501	0.1502347	0.22867153	2.6484675	21	3 6.1	22.1
406017 2006 TQ_{43}	17.1	X	253.59542	284.66121	35.01539	3.15226	0.0919338	0.23466266	2.6031951	21	3 22.9	20.8
406018 2006 TZ_{44}	16.6	X	27.97746	102.04384	46.41697	24.29499	0.1740734	0.22204652	2.7008890	21	2 28.3	20.0
406019 2006 TU_{45}	16.3	X	179.52107	353.15926	44.95991	13.85925	0.0799306	0.23399202	2.6081667	21	4 14.1	20.2
406020 2006 TM_{47}	17.5	X	211.11945	32.94514	43.50914	5.48151	0.1215606	0.24550139	2.5260004	21	7 3.1	21.4
406021 2006 TZ_{52}	17.3	X	176.00206	206.15537	201.68824	5.38560	0.1909822	0.23443338	2.6048922	21	4 23.9	21.6
406022 2006 TP_{54}	16.3	X	206.35528	106.22464	232.07304	11.22837	0.2127946	0.23239313	2.6201160	21	2 19.7	21.0
406023 2006 TN_{62}	17.7	X	206.77368	145.87750	238.32005	4.75961	0.2497490	0.24125217	2.5555746	21	4 18.5	22.1
406024 2006 TR_{63}	17.3	X	264.50998	202.23764	149.46405	3.81315	0.2081301	0.24618372	2.5213308	21	5 2.2	21.1
406025 2006 TX_{68}	17.6	X	209.72911	214.50196	150.43860	5.28114	0.2123839	0.23813081	2.5778580	21	3 31.7	21.9
406026 2006 TL_{69}	17.6	X	232.52250	321.91979	39.25155	19.74221	0.2341708	0.24249144	2.5468602	21	4 15.7	22.0
406027 2006 TT_{75}	17.1	X	233.32468	281.04546	60.27950	12.25186	0.2953076	0.23929504	2.5694900	21	3 23.8	21.9
406028 2006 TM_{77}	17.5	X	189.24728	86.16904	347.87643	7.73517	0.2985581	0.24224938	2.5485565	21	6 4.9	22.4
406029 2006 TY_{85}	17.2	X	141.49867	79.47591	315.28096	3.08629	0.1004982	0.22670755	2.6637414	21	2 25.2	20.8
406030 2006 TP_{88}	16.9	X	103.96277	180.35757	242.06380	6.22341	0.0809078	0.22411895	2.6842131	21	2 9.5	20.5
406031 2006 TA_{89}	16.8	X	238.17468	322.89752	24.07606	14.27593	0.1950687	0.23901469	2.5714987	21	4 3.6	21.0
406032 2006 TB_{90}	16.9	X	67.27670	235.23237	238.95660	7.08117	0.1712054	0.22348113	2.6893179	21	3 7.9	20.0
406033 2006 TF_{90}	17.7	X	233.63249	84.99621	271.39972	2.08691	0.1976077	0.23879142	2.5731014	21	4 8.1	21.8
406034 2006 TC_{91}	16.9	X	300.57040	288.97927	39.36596	12.59499	0.1050591	0.24496980	2.5296534	21	5 27.5	20.1
406035 2006 TV_{91}	17.2	X	105.48658	226.07014	245.34751	2.98473	0.0989820	0.23176028	2.6248835	21	4 20.2	20.7
406036 2006 TM_{92}	17.4	X	203.31322	224.89597	173.93809	4.35449	0.2323124	0.23970550	2.5665558	21	5 6.1	21.8
406037 2006 TA_{93}	17.2	X	225.54244	347.53709	354.30872	4.67361	0.2340551	0.23708786	2.5854125	21	3 14.6	21.7
406038 2006 TG_{94}	17.6	X	223.90785	264.14401	97.29225	1.65582	0.1157132	0.23960587	2.5672673	21	4 10.9	21.4
406039 2006 TD_{97}	17.5	X	216.87160	48.03332	336.25316	4.20696	0.3035258	0.24053801	2.5606305	21	4 24.2	22.3
406040 2006 TA_{105}	16.4	X	178.17267	326.66775	43.17211	15.24069	0.0569227	0.22977846	2.6399549	21	3 11.7	20.4
406041 2006 TD_{106}	15.7	X	55.57753	106.14823	22.50677	18.89040	0.1751434	0.22718636	2.6599974	21	3 18.2	18.6
406042 2006 TR_{109}	16.7	X	234.28944	246.31099	97.15348	15.98455	0.2679006	0.23916503	2.5704210	21	3 29.9	21.5
406043 2006 TU_{119}	16.9	X	104.57131	346.33392	128.13539	12.49684	0.1210359	0.23152269	2.6266791	21	5 2.7	20.7
406044 2006 TX_{124}	17.9	X	176.42149	115.74126	276.49883	3.66024	0.1451522	0.23316410	2.6143372	21	3 31.9	22.1
406045 2006 UY_{2}	15.0	X	321.73722	270.49870	101.57992	4.18408	0.2347565	0.12235571	4.0184006	21	8 12.9	19.8
406046 2006 UQ_{5}	17.3	X	150.49755	318.12539	82.77150	3.15743	0.2196065	0.23021229	2.6366372	21	3 27.4	21.5
406047 2006 UQ_{7}	17.4	X	168.88637	334.07058	58.60624	7.50646	0.2603329	0.23212610	2.6221250	21	4 5.2	22.0
406048 2006 UA_{9}	16.6	X	200.48800	321.59676	57.41748	13.12900	0.2066619	0.23569960	2.5955545	21	4 13.7	21.1
406049 2006 UH_{10}	17.5	X	232.35081	335.11495	345.58063	5.51841	0.2660002	0.23621762	2.5917585	21	2 22.7	22.1
406050 2006 UN_{16}	17.0	X	196.76892	339.27599	59.04081	12.75098	0.1824213	0.23696518	2.5863047	21	5 1.7	21.3
406051 2006 US_{21}	17.3	X	277.43942	290.06643	16.89816	5.91478	0.1040282	0.23973775	2.5663257	21	3 31.6	20.8
406052 2006 UA_{25}	17.9	X	177.31222	76.81653	2.34314	3.01315	0.2044940	0.24022027	2.5628880	21	6 2.2	22.3
406053 2006 UJ_{31}	17.4	X	180.05624	321.16068	15.13524	2.14531	0.0974371	0.22539729	2.6740545	21	1 27.0	21.3
406054 2006 UK_{31}	17.8	X	221.55228	349.81348	32.66706	6.36276	0.1491639	0.24100556	2.5573177	21	5 2.3	21.8
406055 2006 UL_{31}	18.0	X	179.70113	9.25854	14.82073	0.97863	0.1360493	0.23327079	2.6135399	21	3 26.6	22.2
406056 2006 UC_{34}	17.5	X	155.30861	351.48088	42.06672	3.24345	0.1167894	0.22990569	2.6389808	21	3 14.1	21.4
406057 2006 US_{34}	18.2	X	211.72562	10.99601	38.61767	5.15597	0.2733038	0.24251647	2.5466850	21	5 23.0	22.8
406058 2006 UU_{38}	17.7	X	217.08682	290.31253	36.09279	2.57784	0.0788215	0.22965732	2.6408831	21	2 21.6	21.6
406059 2006 UB_{50}	17.5	X	110.61578	206.73854	264.41721	4.78883	0.1004124	0.23512022	2.5998167	21	4 25.7	21.1
406060 2006 UW_{53}	17.5	X	193.41351	292.23775	70.57867	3.42647	0.1543822	0.23075622	2.6324923	21	3 15.9	21.8
406061 2006 UK_{61}	16.9	X	189.31758	324.32389	49.93033	12.70900	0.1894610	0.23129505	2.6284022	21	3 30.6	21.4
406062 2006 UH_{63}	17.6	X	179.66098	57.10277	357.66706	4.22859	0.1779605	0.23709405	2.5853675	21	5 3.5	21.9
406063 2006 UM_{73}	18.2	X	180.84770	95.14640	337.91469	3.62829	0.2516683	0.23988673	2.5652630	21	5 28.9	22.7
406064 2006 UZ_{77}	17.6	X	189.92872	35.07739	5.12496	4.89505	0.2220642	0.23766308	2.5812391	21	4 24.9	22.1
406065 2006 UH_{79}	17.7	X	270.41336	313.38499	353.21175	4.50776	0.2207480	0.24039148	2.5616709	21	3 10.3	21.6
406066 2006 UD_{81}	17.4	X	198.78479	268.99181	104.07607	3.51075	0.0518239	0.23381048	2.6095167	21	4 1.3	21.1
406067 2006 UP_{85}	16.7	X	348.58129	182.67114	31.78280	12.15263	0.1227550	0.23090217	2.6313829	21	3 11.6	19.8
406068 2006 UT_{85}	17.4	X	235.10295	40.53517	295.52653	2.61681	0.0950113	0.23498864	2.6007871	21	3 20.9	21.2
406069 2006 UM_{93}	17.4	X	197.07914	275.60184	68.81447	3.54374	0.1522442	0.23068781	2.6330127	21	2 24.8	21.7
406070 2006 UR_{94}	18.0	X	221.42188	289.66170	90.17086	2.94928	0.1869432	0.24062528	2.5600113	21	4 28.8	22.1
406071 2006 UN_{96}	17.3	X	163.40164	190.07151	166.80968	3.03147	0.1191130	0.22603365	2.6690332	21	2 4.3	21.4
406072 2006 UR_{108}	17.3	X	232.30431	292.11953	65.28716	9.59676	0.1833581	0.23828017	2.5767806	21	4 13.7	21.6
406073 2006 UB_{116}	17.7	X	265.23437	116.87014	180.79071	1.70419	0.1330827	0.23653239	2.5894586	21	3 2.4	21.5
406074 2006 UO_{117}	17.1	X	166.82227	314.46662	33.05386	4.40670	0.0489031	0.22491470	2.6778782	21	1 22.9	20.9
406075 2006 UJ_{119}	16.7	X	4.33437	92.87914	34.90159	13.19880	0.0311261	0.21921740	2.7240769	21	—	—
406076 2006 UC_{123}	17.0	X	88.48357	78.82760	34.90441	12.71692	0.1225885	0.23072416	2.6327361	21	4 7.6	20.3
406077 2006 UN_{125}	17.2	X	91.95210	95.47522	341.85767	3.83331	0.0606049	0.22547758	2.6734196	21	2 12.7	20.6
406078 2006 UV_{127}	17.7	X	163.06336	174.98431	280.56637	2.23433	0.1722836	0.23967802	2.5667520	21	6 9.9	21.8
406079 2006 UR_{128}	17.5	X	162.42689	28.93177	354.87565	1.65048	0.1062777	0.22959810	2.6413373	21	3 7.4	21.2
406080 2006 UU_{135}	17.5	X	231.08830	157.85346	189.51581	3.32885	0.1905010	0.23791935	2.5793852	21	3 27.1	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406081 2006 UK_{143}	17.6	X	209.52092	63.00015	303.20884	2.38359	0.2922540	0.23784944	2.5798906	21	3 29.7	22.3
406082 2006 UM_{144}	17.5	X	199.13161	4.73614	26.17677	7.56195	0.1678883	0.23622167	2.5917288	21	4 21.9	21.7
406083 2006 US_{149}	16.1	X	108.37271	266.85123	95.70852	14.98736	0.1132179	0.21695437	2.7429872	21	—	—
406084 2006 UQ_{174}	16.5	X	74.08208	91.79884	33.91846	21.91765	0.1289485	0.22760765	2.6567141	21	4 7.2	19.8
406085 2006 UL_{180}	16.9	X	235.24103	343.02314	60.40551	14.14146	0.1817619	0.24641718	2.5197380	21	6 8.6	20.8
406086 2006 UA_{182}	16.7	X	153.12478	0.95175	66.41351	13.37357	0.1583509	0.23345071	2.6121969	21	4 28.9	20.8
406087 2006 US_{187}	16.3	X	293.03295	18.06146	266.38594	10.92655	0.2349251	0.24270453	2.5453693	21	2 25.5	20.3
406088 2006 UP_{188}	16.5	X	199.86423	147.65604	270.62607	12.05980	0.1245342	0.24324870	2.5415717	21	5 27.5	20.4
406089 2006 UQ_{194}	17.5	X	205.84466	148.86594	193.72252	1.43555	0.0873758	0.23135478	2.6279498	21	2 27.9	21.3
406090 2006 UQ_{203}	16.7	X	158.49121	91.56794	316.59446	10.41448	0.1879431	0.23264410	2.6182314	21	4 3.0	21.1
406091 2006 UJ_{245}	17.3	X	125.58723	226.62908	206.25870	5.74425	0.0544549	0.23160427	2.6260622	21	3 19.2	20.8
406092 2006 UN_{255}	17.6	X	164.56248	202.78941	200.85035	2.37934	0.0734659	0.23344432	2.6122446	21	3 31.3	21.3
406093 2006 UD_{259}	17.9	X	199.45330	172.24681	217.42483	3.66706	0.1882489	0.23839239	2.5759719	21	4 20.7	22.1
406094 2006 UK_{263}	16.4	X	216.43385	331.09065	37.96650	14.42339	0.1821341	0.23605321	2.5929617	21	4 13.1	20.7
406095 2006 UY_{268}	17.8	X	116.91348	53.08193	45.08035	4.11702	0.0605238	0.23211666	2.6221961	21	4 13.4	21.3
406096 2006 UE_{271}	17.3	X	45.77343	131.00332	329.03801	3.67164	0.0801921	0.21864777	2.7288061	21	1 9.1	20.5
406097 2006 UX_{276}	17.8	X	147.35970	90.20198	356.65734	3.70410	0.2470982	0.23484275	2.6018641	21	5 19.2	22.2
406098 2006 UY_{281}	17.2	X	164.53939	293.54226	61.65589	3.45731	0.1234296	0.22405592	2.6847165	21	2 5.9	21.2
406099 2006 UW_{286}	17.1	X	169.07568	223.20635	222.47112	11.96730	0.2450602	0.23733323	2.5836302	21	6 5.3	21.6
406100 2006 UM_{313}	17.6	X	135.96073	188.99880	251.89220	4.03307	0.1832854	0.23084875	2.6317888	21	4 26.5	21.5
406101 2006 UJ_{335}	17.8	X	223.01393	177.72282	173.68518	2.24906	0.1226795	0.23453364	2.6041497	21	3 28.0	21.6
406102 2006 VV_{3}	17.5	X	204.37831	130.39096	273.71510	2.65128	0.2788445	0.23977113	2.5660875	21	5 10.9	22.1
406103 2006 VR_{4}	17.8	X	171.59456	175.63354	248.41521	1.46860	0.3076896	0.23520674	2.5991791	21	5 13.1	22.6
406104 2006 VZ_{7}	17.5	X	186.40032	164.54928	228.76198	2.86236	0.1548351	0.23382515	2.6094074	21	4 13.3	21.7
406105 2006 VQ_{9}	17.3	X	190.53940	174.00274	239.07910	3.48986	0.2451265	0.23802681	2.5786089	21	5 12.4	21.8
406106 2006 VW_{9}	17.3	X	188.65554	337.20619	32.05462	4.67513	0.0693018	0.23122421	2.6289391	21	3 16.5	21.2
406107 2006 VB_{10}	16.8	X	4.84192	247.63210	237.69598	3.16009	0.2685621	0.21158356	2.7892114	21	—	—
406108 2006 VU_{10}	16.9	X	206.74348	128.84851	233.84930	4.56367	0.1781217	0.23403252	2.6078658	21	3 23.8	21.3
406109 2006 VX_{22}	17.5	X	188.00317	339.33438	72.03109	2.26000	0.1094463	0.23671419	2.5881326	21	5 7.6	21.3
406110 2006 VW_{27}	16.8	X	67.54052	63.01426	55.37513	15.74939	0.1043998	0.22423456	2.6832904	21	3 18.4	20.4
406111 2006 VQ_{29}	17.1	X	188.17930	334.71041	38.16818	3.52232	0.1282633	0.22984909	2.6394141	21	3 22.1	21.2
406112 2006 VR_{33}	16.4	X	185.99317	353.25264	61.01701	15.32999	0.0840683	0.23776403	2.5805084	21	5 10.2	20.2
406113 2006 VZ_{36}	16.8	X	197.51298	151.43349	241.50735	8.40182	0.0984031	0.23667931	2.5883868	21	4 21.9	20.8
406114 2006 VF_{42}	17.9	X	118.43147	5.54658	82.34825	3.60339	0.1793346	0.22921430	2.6442849	21	4 18.9	21.6
406115 2006 VP_{43}	16.2	X	82.30839	0.44440	75.71116	13.79991	0.2536334	0.21880325	2.7275132	21	3 6.5	19.7
406116 2006 VX_{43}	17.5	X	211.23870	86.69004	287.75753	2.21834	0.1555971	0.23540640	2.5977092	21	4 12.0	21.7
406117 2006 VB_{50}	16.3	X	219.24395	113.16912	248.64426	11.80130	0.2169976	0.23507906	2.6001201	21	3 29.8	20.9
406118 2006 VM_{52}	17.0	X	232.39125	311.76477	328.70236	5.07253	0.0490500	0.22082150	2.7108687	21	1 14.5	21.0
406119 2006 VY_{52}	17.2	X	129.66435	47.78767	320.85019	4.99414	0.0279027	0.21763533	2.7372625	21	1 2.4	20.9
406120 2006 VP_{58}	17.5	X	102.93923	280.14935	134.28328	2.02105	0.0568700	0.22037352	2.7145413	21	1 28.9	20.9
406121 2006 VB_{60}	17.1	X	151.53740	343.72812	90.07344	4.35366	0.1118009	0.23280473	2.6170269	21	4 29.6	20.9
406122 2006 VP_{62}	17.5	X	126.45967	178.33829	259.95537	2.00930	0.1080722	0.22817677	2.6522946	21	4 4.4	21.3
406123 2006 VU_{62}	17.7	X	218.81016	0.03674	9.51203	0.85903	0.1818041	0.23608616	2.5927204	21	4 13.1	22.0
406124 2006 VT_{64}	17.5	X	226.72072	262.32916	118.74836	0.93799	0.1978559	0.23955066	2.5676617	21	5 3.9	21.8
406125 2006 VP_{65}	17.8	X	212.14554	143.61725	231.18451	3.87585	0.1775638	0.23579814	2.5948313	21	4 13.1	22.1
406126 2006 VC_{70}	16.9	X	217.45572	183.15201	222.92371	2.63380	0.2111154	0.24072256	2.5593215	21	5 26.3	21.0
406127 2006 VR_{82}	17.3	X	86.41612	36.57372	37.08356	5.82756	0.0964881	0.22121530	2.7076505	21	2 7.9	20.7
406128 2006 VT_{82}	17.2	X	217.94478	287.48779	33.11825	2.62959	0.1374379	0.22839689	2.6505902	21	2 14.8	21.5
406129 2006 VN_{84}	16.9	X	199.84594	51.67886	26.68533	5.73886	0.2152876	0.24178730	2.5518025	21	6 20.4	21.3
406130 2006 VF_{85}	17.2	X	192.01191	299.65917	78.49654	6.93083	0.1899659	0.23360678	2.6110334	21	4 4.3	21.6
406131 2006 VY_{96}	16.3	X	168.69758	341.00412	76.98912	15.22699	0.0804100	0.23131098	2.6282815	21	4 30.0	20.3
406132 2006 VM_{98}	16.8	X	191.04684	340.36352	62.09750	15.69336	0.1074934	0.23469685	2.6029423	21	5 2.5	20.8
406133 2006 VF_{102}	17.1	X	181.36301	293.55722	30.58760	6.83531	0.0378722	0.22124087	2.7074419	21	1 10.5	21.0
406134 2006 VJ_{103}	16.9	X	212.79686	251.91115	79.34722	14.43986	0.1280199	0.22658663	2.6646890	21	2 28.5	21.4
406135 2006 VB_{104}	16.9	X	81.92726	72.41818	14.67793	8.31948	0.0603640	0.22674269	2.6634662	21	2 14.0	20.4
406136 2006 VL_{108}	17.0	X	157.91538	177.26617	255.43229	5.65616	0.1122131	0.23384619	2.6092509	21	5 2.3	21.0
406137 2006 VP_{109}	16.7	X	136.52792	327.49412	87.02222	14.58487	0.2412804	0.22782097	2.6550554	21	4 8.7	21.2
406138 2006 VM_{111}	17.4	X	219.29874	42.73480	311.02074	3.23870	0.2551944	0.23512706	2.5997663	21	3 22.4	22.0
406139 2006 VW_{113}	16.6	X	100.88637	181.20311	270.79418	12.78260	0.2108471	0.22358781	2.6884624	21	3 31.6	20.6
406140 2006 VA_{114}	17.7	X	191.30712	85.20861	321.82713	0.89692	0.1494255	0.23734385	2.5835531	21	5 4.9	21.9
406141 2006 VE_{115}	17.5	X	165.75925	99.85272	281.52360	3.38009	0.0995114	0.22908634	2.6452695	21	3 5.6	21.5
406142 2006 VM_{116}	16.5	X	205.55651	166.79617	216.62394	7.51305	0.1951438	0.23611790	2.5924881	21	4 18.1	20.7
406143 2006 VK_{118}	17.8	X	164.57768	35.08469	50.47192	4.56412	0.2590387	0.23590701	2.5940329	21	6 1.5	22.4
406144 2006 VP_{127}	17.2	X	171.46983	320.20095	28.62195	9.17268	0.1350616	0.22386806	2.6862182	21	2 8.5	21.5
406145 2006 VP_{130}	17.0	X	230.82430	276.75069	68.73647	6.65292	0.2787691	0.23691215	2.5866907	21	3 24.8	21.7
406146 2006 VR_{131}	17.3	X	185.26057	217.86143	187.05631	6.65236	0.3443273	0.23549632	2.5970479	21	5 1.2	22.2
406147 2006 VA_{136}	17.3	X	199.90981	304.74480	54.71102	2.38364	0.1018693	0.22981321	2.6396888	21	3 16.6	21.4
406148 2006 VO_{140}	17.2	X	199.69725	251.70187	81.77394	2.75633	0.0982071	0.22430870	2.6826991	21	2 13.1	21.3
406149 2006 VH_{150}	16.5	X	134.95817	31.38399	40.50902	14.64657	0.0641824	0.23130406	2.6283340	21	4 6.0	20.2
406150 2006 VV_{154}	17.1	X	186.23890	328.52409	86.61411	6.10320	0.1505322	0.23786136	2.5798044	21	5 12.2	21.2
406151 2006 VB_{155}	17.0	X	204.14595	272.54158	83.18568	12.25437	0.2175190	0.23361754	2.6109532	21	3 21.6	21.7
406152 2006 VK_{169}	17.2	X	161.15751	195.88186	224.61212	4.25277	0.1741673	0.23091552	2.6312814	21	4 25.0	21.5
406153 2006 VM_{169}	17.8	X	136.01348	165.35623	244.01626	4.30835	0.2155078	0.22523775	2.6753171	21	3 20.9	22.0
406154 2006 VT_{170}	17.7	X	211.20025	141.90345	255.37894	2.45108	0.2328614	0.23932256	2.5692930	21	5 8.9	22.0
406155 2006 VU_{171}	16.7	X	185.55595	271.62892	133.84946	13.62550	0.2600711	0.23539996	2.5977566	21	5 4.9	21.6
406156 2006 VA_{172}	16.7	X	28.66037	203.83755	265.73938	8.97906	0.1075013	0.21404923	2.7677505	21	—	—
406157 2006 WT_{4}	17.8	X	167.95020	82.58233	340.87601	2.26023	0.1167634	0.23790227	2.5795087	21	5 1.2	21.7
406158 2006 WM_{6}	16.8	X	190.26431	314.83851	73.33905	18.23991	0.2034856	0.23399931	2.6081126	21	4 20.1	21.5
406159 2006 WU_{11}	16.7	X	143.49618	21.35082	56.56582	14.98821	0.2320284	0.23062591	2.6334838	21	5 6.6	20.9
406160 2006 WQ_{17}	18.1	X	178.13897	73.12301	299.59732	2.19715	0.0706838	0.22984239	2.6394653	21	3 6.9	22.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406161 2006 WP_{26}	17.1	X	223.04760	300.69321	61.51494	12.56853	0.2932710	0.23825003	2.5769980	21	4 9.5	21.9
406162 2006 WF_{35}	17.6	X	144.35200	262.16204	119.99001	4.90200	0.1042710	0.22314252	2.6920379	21	2 15.1	21.4
406163 2006 WB_{38}	17.4	X	285.58096	134.26836	197.57589	6.21689	0.1677223	0.24300243	2.5432885	21	5 4.9	20.9
406164 2006 WH_{38}	17.6	X	231.57481	278.41668	95.03129	6.30266	0.2118325	0.24018566	2.5631341	21	4 29.9	21.8
406165 2006 WC_{40}	17.4	X	226.71755	161.08267	184.81456	5.67367	0.2769433	0.23542618	2.5975638	21	3 18.9	21.9
406166 2006 WY_{45}	16.9	X	211.92987	107.12043	210.13511	14.24152	0.0837433	0.22686948	2.6624738	21	1 30.9	21.2
406167 2006 WM_{47}	16.2	X	246.51403	18.99767	258.63513	13.36249	0.0613180	0.22087769	2.7104089	21	1 21.7	20.3
406168 2006 WS_{47}	17.4	X	151.16777	43.11787	24.44801	2.46080	0.1342281	0.23074000	2.6326156	21	4 21.5	21.4
406169 2006 WX_{50}	17.7	X	204.00458	147.50703	251.14255	4.12836	0.1971835	0.23705534	2.5856489	21	5 5.3	22.1
406170 2006 WN_{52}	16.8	X	342.97072	240.58892	255.19682	3.77905	0.0737057	0.21058446	2.7980266	21	—	—
406171 2006 WC_{58}	17.5	X	186.77550	125.81656	280.77858	3.52966	0.2121651	0.23577821	2.5949776	21	4 30.2	21.9
406172 2006 WB_{72}	16.9	X	333.95329	277.18415	241.97603	7.84334	0.1513334	0.21360854	2.7715559	21	—	—
406173 2006 WF_{72}	17.5	X	233.17644	67.99871	272.89279	1.34108	0.1923352	0.23569640	2.5955780	21	3 20.6	21.7
406174 2006 WC_{74}	17.2	X	106.46004	63.95102	45.22677	4.41183	0.0373627	0.23110214	2.6298647	21	4 11.1	20.6
406175 2006 WB_{78}	17.7	X	130.76704	218.21144	240.69883	2.76787	0.2286124	0.23159602	2.6261245	21	5 19.4	21.8
406176 2006 WQ_{80}	17.1	X	159.19970	141.27578	250.96715	10.46931	0.1622448	0.22802875	2.6534423	21	3 13.9	21.5
406177 2006 WQ_{81}	17.5	X	140.70153	22.50143	79.78036	6.29807	0.2421609	0.23281430	2.6169552	21	6 2.8	21.9
406178 2006 WO_{94}	17.3	X	55.56617	48.46622	96.10635	4.58693	0.1161753	0.22614367	2.6681675	21	3 29.0	20.3
406179 2006 WL_{98}	17.5	X	198.61154	264.76674	80.92387	2.96023	0.2125336	0.22887212	2.6469199	21	2 28.7	22.0
406180 2006 WV_{99}	17.8	X	182.80076	155.11022	239.19796	4.69771	0.1605306	0.23273974	2.6175140	21	4 10.7	22.0
406181 2006 WC_{100}	16.7	X	90.65059	307.04260	156.97754	5.05104	0.1866632	0.22656636	2.6648480	21	4 6.9	20.0
406182 2006 WD_{100}	17.5	X	173.41613	305.34315	103.62293	5.25021	0.2574164	0.23485141	2.6018001	21	4 27.1	22.1
406183 2006 WW_{101}	17.4	X	232.98527	279.87453	92.23906	6.88742	0.3247091	0.24228637	2.5482971	21	4 24.3	22.1
406184 2006 WX_{108}	17.0	X	135.96387	338.23921	71.43542	9.05701	0.2872804	0.22606546	2.6687829	21	4 3.3	21.5
406185 2006 WE_{117}	16.5	X	147.89256	182.70492	261.72169	12.31740	0.1084165	0.23395522	2.6084402	21	5 5.3	20.6
406186 2006 WQ_{117}	17.1	X	199.94384	132.01917	286.70244	15.10839	0.4027360	0.23841243	2.5758275	21	5 23.4	22.4
406187 2006 WM_{122}	17.1	X	120.00191	217.92122	201.69151	9.23539	0.1421289	0.22398808	2.6852586	21	3 7.6	20.9
406188 2006 WK_{124}	17.9	X	199.19388	63.28051	282.91728	1.08380	0.2054893	0.22886505	2.6469743	21	2 27.8	22.3
406189 2006 WP_{128}	17.4	X	177.39577	337.69925	59.99965	0.28070	0.1420653	0.23151740	2.6267191	21	4 10.7	21.5
406190 2006 WJ_{136}	17.3	X	193.97671	90.51245	223.83519	5.62300	0.0599207	0.22011805	2.7166412	21	1 12.0	21.3
406191 2006 WP_{139}	17.1	X	160.84439	279.48134	77.81407	6.28854	0.0884797	0.22112590	2.7083803	21	2 2.2	21.1
406192 2006 WY_{142}	17.3	X	173.80647	222.08228	155.20201	3.65692	0.0923520	0.22831882	2.6511944	21	3 10.8	21.1
406193 2006 WT_{172}	16.9	X	180.18429	113.91795	246.12771	6.20216	0.1597327	0.22557722	2.6726324	21	2 24.6	21.4
406194 2006 WA_{179}	17.6	X	192.61294	95.82944	258.73455	1.64436	0.1664497	0.22980575	2.6397459	21	3 3.0	21.9
406195 2006 WR_{185}	16.5	X	224.46386	321.84522	78.69464	16.05671	0.1122550	0.24356011	2.5394048	21	6 1.2	20.3
406196 2006 WP_{190}	16.6	X	46.32173	51.41525	69.21916	9.31318	0.2652501	0.21580552	2.7527135	21	2 24.8	19.0
406197 2006 WV_{194}	16.6	X	228.62540	294.62495	77.19602	14.35029	0.1582539	0.23814694	2.5777416	21	4 30.9	20.8
406198 2006 WX_{199}	17.1	X	188.67926	284.29742	104.32912	5.35167	0.0200653	0.22990330	2.6389992	21	4 10.1	20.7
406199 2006 WQ_{200}	17.7	X	211.22222	202.84605	171.31819	2.29237	0.2312670	0.23510894	2.5998999	21	4 11.9	22.2
406200 2006 WP_{201}	16.6	X	192.67398	113.91191	278.65148	17.50637	0.2892483	0.23341990	2.6124268	21	4 12.8	21.8
406201 2006 XF_{16}	16.7	X	143.50510	140.21166	291.14196	11.82803	0.1492107	0.22661084	2.6644992	21	4 14.4	21.1
406202 2006 XV_{16}	16.6	X	217.75131	285.41674	91.03487	11.73707	0.2562389	0.23413864	2.6070778	21	4 23.8	21.4
406203 2006 XL_{25}	17.1	X	170.84753	142.80998	263.84710	4.03263	0.2770216	0.23190870	2.6237635	21	4 19.7	21.8
406204 2006 XB_{38}	16.9	X	177.29486	328.90241	86.13742	6.07272	0.3290148	0.23264901	2.6181945	21	5 8.3	21.8
406205 2006 XM_{63}	16.8	X	171.67765	252.34209	140.70822	12.13327	0.3045613	0.23195161	2.6234399	21	4 10.6	21.7
406206 2006 XT_{63}	16.4	X	215.78273	278.90255	117.59134	13.89796	0.1550153	0.23802776	2.5786019	21	5 19.5	20.7
406207 2006 XN_{65}	16.4	X	212.57327	247.09411	133.47462	12.68176	0.1874841	0.23535072	2.5981189	21	4 26.3	20.9
406208 2006 YP_{8}	17.3	X	192.23426	312.50699	89.83286	4.26288	0.1649418	0.22949507	2.6421277	21	5 2.2	21.6
406209 2006 YW_{22}	16.7	X	148.96798	79.37687	298.55807	5.18762	0.0367707	0.21715534	2.7412946	21	2 6.6	20.4
406210 2006 YN_{38}	17.1	X	207.61529	74.71667	318.59251	4.33420	0.3395866	0.23468459	2.6030330	21	4 28.3	22.0
406211 2006 YV_{45}	16.2	X	113.17150	104.25627	255.14127	23.64825	0.1786030	0.21396936	2.7684392	21	—	—
406212 2006 YP_{47}	16.4	X	123.23737	129.36993	300.90672	11.00434	0.1351066	0.22080288	2.7110211	21	3 20.6	20.5
406213 2007 AB_{2}	20.3	X	180.72407	280.77748	127.03069	1.46006	0.5453416	0.37116644	1.9175951	21	4 30.3	24.3
406214 2007 AP_{3}	16.3	X	189.80624	305.59450	103.37171	12.60502	0.1780733	0.23179143	2.6246484	21	5 11.3	20.8
406215 2007 AZ_{24}	17.5	X	116.44451	116.61236	335.68130	5.53705	0.2499295	0.22351268	2.6890648	21	4 27.6	21.6
406216 2007 AN_{29}	17.4	X	50.74743	353.13567	89.18059	2.75793	0.1409292	0.20959891	2.8067907	21	—	—
406217 2007 AM_{31}	16.5	X	133.54993	162.58913	282.24417	12.89358	0.2136341	0.22413252	2.6841048	21	4 29.4	21.0
406218 2007 BB_{15}	17.3	X	122.31465	38.90361	340.27739	4.50165	0.1753722	0.21071681	2.7968548	21	1 28.9	21.2
406219 2007 BK_{18}	16.8	X	85.90301	2.62271	111.91962	12.91166	0.1827282	0.21962917	2.7206710	21	4 19.7	20.6
406220 2007 BD_{20}	16.3	X	353.05301	209.20998	317.55688	8.59039	0.1564982	0.21051050	2.7986819	21	1 9.5	19.6
406221 2007 BO_{20}	17.5	X	128.00406	323.52166	119.06983	5.06254	0.4751231	0.22519364	2.6756665	21	5 17.7	22.6
406222 2007 BP_{22}	17.2	X	132.62175	313.73080	98.98479	6.51253	0.2061227	0.22114454	2.7082281	21	3 26.5	21.4
406223 2007 BP_{31}	17.4	X	191.67588	43.36602	274.06510	5.42454	0.0194425	0.21091158	2.7951328	21	1 13.5	21.4
406224 2007 BV_{31}	17.4	X	138.98073	307.29482	135.31595	7.28989	0.3272556	0.22593919	2.6697771	21	5 16.2	22.2
406225 2007 BF_{32}	17.3	X	131.49719	113.84369	290.29510	4.15352	0.2145729	0.21968177	2.7202367	21	3 10.6	21.5
406226 2007 BL_{32}	16.9	X	232.36772	179.47908	126.10113	7.59526	0.0152474	0.21567244	2.7538458	21	2 17.2	20.6
406227 2007 BO_{34}	16.6	X	21.87405	33.36611	122.03980	9.94681	0.0744662	0.21478665	2.7614119	21	2 16.0	19.9
406228 2007 BR_{36}	16.7	X	201.55985	312.20640	93.15553	7.12474	0.2802783	0.23347810	2.6119926	21	5 13.1	21.5
406229 2007 BA_{39}	16.5	X	106.05201	154.45275	278.45500	5.17826	0.0637847	0.21630349	2.7484871	21	2 24.9	20.4
406230 2007 BO_{50}	16.0	X	122.10565	321.24557	105.27100	15.53802	0.0887734	0.21625404	2.7489061	21	3 22.3	20.1
406231 2007 BR_{52}	16.6	X	209.49448	297.44453	117.76822	8.65084	0.3005881	0.23639334	2.5904739	21	5 29.9	21.4
406232 2007 BZ_{54}	17.5	X	194.76714	259.01352	152.38030	4.10745	0.1103778	0.23078776	2.6322524	21	5 15.9	21.6
406233 2007 BO_{63}	16.5	X	280.32478	187.04757	1.69662	4.80342	0.0347098	0.20041621	2.8918837	21	—	—
406234 2007 BC_{66}	16.5	X	237.81581	47.05468	149.97301	8.94957	0.0192052	0.19093912	2.9867997	21	—	—
406235 2007 BF_{73}	16.8	X	172.84265	97.18418	2.35126	28.32197	0.3671603	0.23476823	2.6024147	21	6 29.2	22.4
406236 2007 BJ_{100}	16.7	X	135.46875	274.97742	121.82390	5.46517	0.0785907	0.21391508	2.7689075	21	2 21.8	20.6
406237 2007 CW_{10}	17.4	X	93.24199	113.24934	316.36204	8.85063	0.2413471	0.21482758	2.7610611	21	3 2.5	21.0
406238 2007 CQ_{17}	16.7	X	33.15103	9.15580	128.39653	8.83662	0.1638466	0.21105957	2.7938260	21	2 10.7	19.5
406239 2007 CB_{37}	17.3	X	120.86472	267.51366	130.90151	4.77273	0.1050772	0.21163249	2.7887815	21	2 9.5	21.1
406240 2007 CB_{48}	16.4	X	275.09536	67.33039	156.54586	8.43539	0.1471128	0.20148525	2.8816454	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406241 2007 CM_{50}	17.0	X	194.99501	248.89870	178.42825	5.74626	0.3366503	0.23459813	2.6036725	21	6 2.5	22.0
406242 2007 CJ_{55}	17.3	X	102.77195	255.71615	182.94556	3.19071	0.1754460	0.21633227	2.7482433	21	3 18.8	20.8
406243 2007 CY_{62}	16.1	X	62.18260	144.65541	334.58617	9.79030	0.0612637	0.21305903	2.7763194	21	2 26.7	19.5
406244 2007 CP_{75}	17.7	X	49.36258	111.02873	327.53201	1.69144	0.0564010	0.20378055	2.8599662	21	—	—
406245 2007 DP_{13}	16.1	X	171.62573	328.24707	99.75640	16.54936	0.2734646	0.22881524	2.6473585	21	5 21.7	21.0
406246 2007 DE_{21}	16.7	X	222.40682	78.22995	115.67415	2.54304	0.1224152	0.18520477	3.0481379	21	12 4.6	21.1
406247 2007 DT_{22}	16.4	X	66.09508	35.77394	342.69440	11.53590	0.1148137	0.19298913	2.9656108	21	—	—
406248 2007 DX_{25}	16.9	X	247.29027	82.77511	119.21440	2.53005	0.1116066	0.19070999	2.9891916	21	—	—
406249 2007 DG_{32}	16.4	X	231.31929	230.24815	349.97955	10.78522	0.1246554	0.18963841	3.0004416	21	—	—
406250 2007 DL_{32}	16.9	X	252.26143	28.94528	144.40558	4.18191	0.0543501	0.18691842	3.0294792	21	12 23.5	21.0
406251 2007 DY_{32}	15.8	X	201.16345	38.61853	157.53135	10.24762	0.0636203	0.18100930	3.0950579	21	11 22.1	20.5
406252 2007 DW_{38}	16.4	X	220.44826	110.56347	97.77539	2.47573	0.1730218	0.18402254	3.0611788	21	12 13.6	21.0
406253 2007 DD_{43}	16.9	X	114.67694	288.11588	164.46375	13.04864	0.2696836	0.22037419	2.7145357	21	5 4.4	21.3
406254 2007 DA_{55}	16.1	X	243.89406	223.49182	324.64044	9.50023	0.0476134	0.18953973	3.0014829	21	—	—
406255 2007 DP_{63}	16.6	X	124.38283	309.25018	115.36049	6.14123	0.0537447	0.21461614	2.7628743	21	3 13.2	20.4
406256 2007 DH_{91}	15.8	X	179.96364	80.82207	151.52485	12.53586	0.1098232	0.18430249	3.0580782	21	12 9.6	20.8
406257 2007 DE_{96}	16.6	X	275.75144	44.42141	138.72414	7.24224	0.0374477	0.19327719	2.9626634	21	—	—
406258 2007 DQ_{115}	16.6	X	124.62518	135.37431	154.00558	1.13985	0.1691367	0.18125421	3.0922694	21	12 23.7	21.6
406259 2007 DB_{116}	17.2	X	79.05177	251.05418	183.94499	1.94086	0.0526037	0.20481320	2.8503449	21	1 25.4	21.0
406260 2007 DS_{116}	16.6	X	143.64319	29.13607	81.50938	15.54683	0.2068730	0.22849278	2.6498486	21	6 13.4	21.0
406261 2007 DN_{117}	15.7	X	252.58640	353.34093	198.18285	8.03156	0.0267503	0.18329377	3.0692876	21	—	—
406262 2007 EB_{4}	16.1	X	25.65956	90.55862	355.95881	16.98089	0.1089745	0.19632742	2.9318973	21	—	—
406263 2007 ER_{8}	16.1	X	198.13146	225.67551	3.24979	15.88535	0.2136106	0.18160373	3.0883004	21	12 11.4	21.5
406264 2007 EY_{28}	17.4	X	115.81819	56.80247	9.68746	2.46300	0.1701475	0.21563321	2.7541798	21	3 18.8	21.1
406265 2007 ED_{46}	16.4	X	231.92655	34.63673	179.88466	9.58271	0.0546801	0.18770405	3.0210202	21	—	—
406266 2007 ET_{48}	15.5	X	192.05482	189.99853	22.34427	21.24571	0.1696318	0.17701357	3.1414611	21	11 15.8	20.8
406267 2007 EK_{51}	15.3	X	236.01993	270.77972	328.36520	9.44426	0.0717346	0.19246540	2.9709883	21	—	—
406268 2007 EZ_{53}	16.0	X	171.23977	242.10149	27.26853	12.56569	0.1114049	0.18084620	3.0969186	21	—	—
406269 2007 EA_{58}	16.8	X	257.42643	91.22559	144.81051	12.07999	0.0626371	0.20322093	2.8652142	21	—	—
406270 2007 EB_{61}	16.4	X	196.06588	196.20340	1.93527	8.78581	0.0455856	0.18053093	3.1005231	21	11 15.3	21.0
406271 2007 EB_{66}	16.1	X	150.28299	151.61181	162.16847	9.76576	0.1519532	0.18893986	3.0078325	21	—	—
406272 2007 EW_{67}	16.5	X	167.57695	145.34252	85.38593	2.36394	0.0544103	0.17920896	3.1157521	21	11 25.2	21.1
406273 2007 EQ_{76}	16.0	X	237.17166	148.72933	350.86996	9.18190	0.0270077	0.17494540	3.1661710	21	10 24.0	20.5
406274 2007 EB_{84}	16.3	X	182.44630	63.24704	151.70146	10.46173	0.2348377	0.17770732	3.1332797	21	11 16.9	21.8
406275 2007 EN_{84}	16.0	X	146.38510	110.82263	165.69220	26.08186	0.1833980	0.18058667	3.0998851	21	12 27.9	21.7
406276 2007 ET_{101}	17.9	X	120.07351	77.88652	139.63213	5.05332	0.1212202	0.30376850	2.1916653	21	10 7.6	20.9
406277 2007 EH_{127}	16.9	X	145.81830	89.73169	181.52565	1.63040	0.1459137	0.18182368	3.0858094	21	12 20.6	22.0
406278 2007 EG_{135}	16.8	X	33.78933	289.85683	180.48094	5.85045	0.0297452	0.20106742	2.8856362	21	1 7.9	20.7
406279 2007 EJ_{135}	16.0	X	170.98613	278.23749	352.82469	8.77548	0.1261377	0.18567062	3.0430372	21	—	—
406280 2007 ES_{145}	16.1	X	131.70187	254.81778	164.34401	13.00033	0.1144984	0.21202596	2.7853302	21	3 22.2	20.1
406281 2007 EU_{145}	16.6	X	113.59994	315.93266	36.40899	4.73700	0.0693839	0.19317962	2.9636609	21	—	—
406282 2007 EY_{149}	16.6	X	192.61018	171.97650	92.92473	3.56968	0.1093838	0.18915369	3.0055653	21	—	—
406283 2007 EW_{161}	16.3	X	193.93340	56.79152	159.19020	20.27213	0.2439777	0.18312027	3.0712260	21	11 27.7	21.9
406284 2007 EU_{165}	16.0	X	205.41935	74.92243	150.96086	16.76961	0.1877957	0.18161290	3.0881965	21	12 19.5	21.2
406285 2007 EG_{174}	15.6	X	141.62091	271.37323	359.59952	9.25487	0.0833661	0.17847906	3.1242410	21	12 14.5	20.5
406286 2007 EM_{191}	16.5	X	229.12386	63.00607	157.29581	1.50396	0.0577835	0.18600297	3.0394112	21	—	—
406287 2007 EO_{216}	15.6	X	177.37168	33.21876	166.10806	29.74753	0.2231557	0.17479579	3.1679774	21	10 27.9	21.4
406288 2007 EC_{217}	16.1	X	181.31169	276.34258	356.13476	10.32370	0.0665822	0.18893740	3.0078587	21	—	—
406289 2007 ED_{217}	16.7	X	167.43622	245.06721	3.12380	2.89628	0.1625124	0.18002554	3.1063231	21	12 11.9	21.9
406290 2007 EO_{218}	16.6	X	116.94351	203.78674	183.71551	5.65112	0.0933669	0.20122964	2.8840851	21	1 21.1	20.6
406291 2007 EB_{219}	16.5	X	140.43065	309.96359	10.20727	9.39863	0.1171233	0.18835419	3.0140644	21	—	—
406292 2007 EK_{221}	16.2	X	57.67164	14.78581	1.45310	11.57042	0.0815486	0.18760235	3.0221118	21	—	—
406293 2007 FQ_{16}	16.8	X	215.52745	191.86685	159.17213	6.55425	0.0431306	0.21675799	2.7446437	21	3 25.1	20.8
406294 2007 FB_{25}	16.7	X	223.52283	7.25367	187.13897	5.27689	0.0804729	0.18203359	3.0834367	21	12 10.8	21.3
406295 2007 FK_{25}	16.7	X	100.36392	298.15257	181.00849	7.85431	0.1602882	0.21637756	2.7478598	21	5 6.9	20.5
406296 2007 FO_{29}	16.4	X	293.04058	95.59065	14.28614	8.86066	0.0681688	0.18180283	3.0860452	21	11 23.9	20.5
406297 2007 FJ_{48}	16.7	X	197.69289	65.49487	145.38708	1.91938	0.1292220	0.17698985	3.1417416	21	11 28.0	21.6
406298 2007 FT_{49}	16.2	X	279.87816	141.97189	45.01160	5.17158	0.0934847	0.18835343	3.0140725	21	—	—
406299 2007 GY_{23}	18.4	X	60.99411	241.84327	26.77398	1.02039	0.1881643	0.29577799	2.2309619	21	10 13.9	20.9
406300 2007 GR_{24}	18.0	X	83.06523	91.69261	186.58170	5.86154	0.1772739	0.30094583	2.2053481	21	11 21.1	21.2
406301 2007 GO_{51}	15.8	X	195.92394	101.55081	131.69267	16.70626	0.1970855	0.17947123	3.1127160	21	12 18.9	21.1
406302 2007 GX_{52}	18.5	X	48.18489	123.69590	141.56054	2.50944	0.1856026	0.29292111	2.2454442	21	9 21.3	20.9
406303 2007 GM_{59}	16.5	X	205.77139	310.91674	242.90131	4.00346	0.1071466	0.17522548	3.1627962	21	11 17.0	21.3
406304 2007 HV_{21}	16.5	X	98.01344	129.10594	207.23574	9.93587	0.0851212	0.17792273	3.1307503	21	—	—
406305 2007 HN_{27}	16.1	X	350.94532	239.93038	217.81533	7.59958	0.0506535	0.18239567	3.0793546	21	—	—
406306 2007 HN_{42}	16.3	X	188.83983	106.62937	125.21365	3.16234	0.0746428	0.17801719	3.1296427	21	12 17.3	21.0
406307 2007 HA_{43}	15.9	X	261.71776	83.05220	71.21779	5.98311	0.0955119	0.17949924	3.1123921	21	12 4.9	20.1
406308 2007 HG_{60}	16.2	X	190.08675	68.36518	158.72707	10.60978	0.1816208	0.17745124	3.1362934	21	12 7.5	21.5
406309 2007 HX_{69}	16.0	X	279.26107	311.66195	168.99135	10.52771	0.1890303	0.17666166	3.1456315	21	11 5.8	20.2
406310 2007 HB_{75}	18.6	X	135.09820	148.87317	75.46691	3.31413	0.1443966	0.30412924	2.1899319	21	11 1.0	21.9
406311 2007 HL_{84}	15.7	X	260.56971	143.07751	42.20657	17.71094	0.0656840	0.18373630	3.0643573	21	—	—
406312 2007 HP_{95}	16.1	X	181.47230	216.39370	41.95909	10.48631	0.0538845	0.18084720	3.0969071	21	—	—
406313 2007 JY_{13}	15.8	X	156.82193	221.15678	48.84174	16.40965	0.0941672	0.17592656	3.1543880	21	12 27.6	20.9
406314 2007 JQ_{19}	16.6	X	145.37293	15.90451	241.92096	1.29162	0.1605905	0.17280653	3.1922430	21	12 3.9	21.7
406315 2007 JY_{21}	18.1	X	95.30006	226.32710	59.66239	3.85837	0.1436289	0.30538872	2.1839065	21	12 10.1	21.3
406316 2007 JU_{27}	15.3	X	228.38822	144.90010	46.50733	16.91124	0.0948281	0.17965613	3.1105799	21	12 7.7	20.0
406317 2007 JH_{31}	15.9	X	221.77453	183.55295	33.64717	19.37431	0.1396685	0.18208373	3.0828705	21	12 27.7	20.8
406318 2007 JU_{37}	15.4	X	108.64842	320.93230	25.00470	10.42996	0.1136547	0.18361572	3.0656988	21	—	—
406319 2007 LP_{5}	16.0	X	214.73549	102.89446	105.45893	10.39524	0.1313870	0.17626271	3.1503762	21	12 11.8	20.9
406320 2007 LZ_{10}	15.7	X	319.03988	56.60005	79.66736	11.60102	0.0671568	0.18288800	3.0738258	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406321 2007 LR_{16}	15.5	X	285.79001	269.60568	236.21783	9.74024	0.0753329	0.17907049	3.1173581	21	12 27.9	19.7
406322 2007 LP_{24}	18.0	X	16.92733	220.01385	100.31297	3.41876	0.1988301	0.29337999	2.2431022	21	10 25.1	19.9
406323 2007 PE_{1}	17.7	X	132.63494	77.88473	161.43569	6.58554	0.1724416	0.29845915	2.2175808	21	11 18.4	21.2
406324 2007 PR_{8}	17.8	X	304.58586	191.37439	229.06537	3.58722	0.1040072	0.28985540	2.2612493	21	10 25.6	19.7
406325 2007 PH_{36}	17.2	X	344.94035	76.07086	288.76133	5.82714	0.2326902	0.28643597	2.2792100	21	10 23.1	18.5
406326 2007 PE_{49}	17.9	X	329.42163	224.70360	139.52293	4.12815	0.2344462	0.28220123	2.3019548	21	9 6.9	18.9
406327 2007 QH_{10}	18.1	X	20.16863	329.75884	329.62751	6.42240	0.1477360	0.28303283	2.2974435	21	9 13.9	20.1
406328 2007 QK_{12}	16.0	X	19.65614	198.01892	130.14385	11.33217	0.0886780	0.14981458	3.5110202	21	10 4.6	20.7
406329 2007 QQ_{17}	17.9	X	12.64237	238.76509	146.34759	5.18706	0.1919198	0.29280388	2.2460435	21	—	—
406330 2007 RB_{3}	17.4	X	313.81922	60.69183	331.72060	5.02451	0.1606415	0.28415630	2.2913839	21	9 21.4	19.3
406331 2007 RM_{14}	18.2	X	343.44391	350.91027	9.49037	4.49715	0.2282166	0.28267101	2.2994036	21	10 12.1	19.5
406332 2007 RU_{33}	17.4	X	4.64682	87.53412	191.02549	10.35374	0.2714266	0.27347648	2.3506577	21	7 11.0	18.8
406333 2007 RN_{34}	18.0	X	13.81945	186.27977	203.13500	3.43516	0.2309655	0.29391902	2.2403589	21	—	—
406334 2007 RS_{34}	18.0	X	327.04025	225.57031	165.86839	6.58955	0.1851545	0.28527548	2.2853870	21	10 24.9	19.5
406335 2007 RV_{37}	17.6	X	281.47060	256.78406	127.85599	2.38735	0.1946547	0.27334640	2.3514034	21	7 6.1	20.2
406336 2007 RW_{43}	17.6	X	3.18630	310.08910	320.06959	5.59673	0.1993893	0.27301869	2.3532847	21	6 20.5	19.2
406337 2007 RT_{46}	18.3	X	0.87011	120.15506	199.09237	6.08341	0.2075001	0.28065942	2.3103776	21	9 11.9	19.9
406338 2007 RU_{59}	17.8	X	311.43215	271.53902	101.57587	3.04203	0.2301124	0.27913914	2.3187587	21	8 4.9	19.4
406339 2007 RE_{64}	18.2	X	93.24213	225.34356	354.42992	2.42240	0.1602370	0.28212559	2.3023662	21	9 10.6	21.4
406340 2007 RZ_{67}	17.7	X	250.68778	278.13647	155.06366	5.02401	0.2001629	0.27563963	2.3383433	21	8 2.8	21.0
406341 2007 RW_{79}	18.2	X	298.43498	177.77958	182.57684	2.57508	0.1064636	0.27537036	2.3398674	21	7 11.4	20.8
406342 2007 RR_{87}	17.9	X	255.53960	350.67241	346.87849	0.38243	0.1690570	0.26211393	2.4181096	21	4 5.9	21.7
406343 2007 RU_{95}	17.6	X	318.97256	215.75448	163.73252	6.27427	0.1287514	0.27904150	2.3192996	21	9 16.0	19.5
406344 2007 RW_{95}	18.1	X	279.44504	266.80320	128.91003	3.12304	0.2227773	0.27321301	2.3521687	21	7 14.6	21.1
406345 2007 RZ_{106}	18.6	X	274.98694	70.24789	353.40987	2.80098	0.2203294	0.27822937	2.3238107	21	8 19.5	21.2
406346 2007 RG_{111}	15.7	X	270.64551	353.26704	26.09879	3.06688	0.2470770	0.12694818	3.9208936	21	6 10.8	21.6
406347 2007 RH_{127}	17.9	X	277.61044	51.83388	9.64739	2.48099	0.1560059	0.27748506	2.3279643	21	8 31.7	20.5
406348 2007 RL_{127}	18.1	X	8.60351	303.89808	8.68139	5.97896	0.2198702	0.28052961	2.3110903	21	9 24.4	19.5
406349 2007 RU_{128}	17.5	X	311.73067	188.39708	172.95584	5.27072	0.1444104	0.27530803	2.3402206	21	7 29.7	19.8
406350 2007 RU_{139}	17.4	X	308.27866	48.64969	350.15164	8.74681	0.1344991	0.28223510	2.3017706	21	9 23.3	19.3
406351 2007 RL_{140}	18.2	X	306.24899	144.39212	204.64368	1.48507	0.2373756	0.27439127	2.3454303	21	6 14.2	20.7
406352 2007 RC_{162}	17.7	X	245.59773	149.18115	207.35503	1.45965	0.1977166	0.26361644	2.4089127	21	4 18.2	21.3
406353 2007 RK_{169}	17.0	X	144.11853	66.31086	151.41593	6.39714	0.0552849	0.28799682	2.2709675	21	10 31.5	20.1
406354 2007 RA_{171}	17.9	X	214.81192	51.47621	27.76880	3.95151	0.1793314	0.27018692	2.3696989	21	7 7.2	21.5
406355 2007 RR_{171}	18.0	X	305.95122	347.28998	56.59544	2.40242	0.2057950	0.28158631	2.3053048	21	9 19.4	19.7
406356 2007 RE_{179}	17.7	X	323.56219	214.06710	168.73713	2.40415	0.1942439	0.27745622	2.3281256	21	9 26.1	19.1
406357 2007 RW_{181}	17.8	X	251.05873	69.53996	8.94323	5.64853	0.1843747	0.27371247	2.3493064	21	8 15.5	20.9
406358 2007 RR_{191}	18.0	X	13.43635	237.64596	31.84506	2.25201	0.1587290	0.27331729	2.3515704	21	7 14.6	19.9
406359 2007 RA_{193}	17.7	X	207.77672	265.89830	190.08754	6.73416	0.1179570	0.27122017	2.3636766	21	7 24.1	21.3
406360 2007 RU_{195}	17.9	X	290.93697	217.31085	191.42105	5.90842	0.1692568	0.27833614	2.3232163	21	8 30.0	20.3
406361 2007 RQ_{200}	17.9	X	235.90727	247.61618	215.78219	2.84260	0.0903155	0.27800285	2.3250728	21	9 10.3	20.9
406362 2007 RD_{202}	17.9	X	280.01598	52.57477	328.34536	1.03136	0.1848920	0.27200202	2.3591450	21	6 30.4	20.8
406363 2007 RH_{205}	17.6	X	256.45339	70.65549	346.49457	7.00990	0.0842831	0.27338003	2.3512105	21	8 7.1	20.5
406364 2007 RU_{210}	17.7	X	312.31067	74.15186	318.14188	3.31460	0.1740742	0.28262327	2.2996625	21	9 16.2	19.4
406365 2007 RU_{212}	17.6	X	332.78765	137.47849	235.40340	4.51663	0.1819446	0.28271125	2.2991854	21	10 1.7	19.3
406366 2007 RB_{214}	17.7	X	297.75736	121.01673	284.34865	2.25767	0.1889188	0.27922076	2.3183068	21	9 3.8	19.6
406367 2007 RJ_{216}	17.4	X	329.96820	48.00080	298.08980	1.34045	0.2353812	0.27749825	2.3278905	21	8 2.5	18.8
406368 2007 RT_{220}	17.7	X	268.45599	85.48640	346.76181	2.48048	0.1936394	0.27623233	2.3349972	21	8 26.5	20.3
406369 2007 RV_{233}	17.0	X	318.40458	18.34994	332.60358	12.01390	0.2291515	0.27566577	2.3381955	21	7 16.7	19.0
406370 2007 RV_{252}	17.0	X	188.25236	131.65501	359.44407	6.04331	0.0972095	0.27316539	2.3524421	21	8 23.7	20.4
406371 2007 RU_{265}	18.1	X	262.22754	169.09363	256.02307	0.95750	0.0529317	0.27911394	2.3188983	21	8 29.9	20.8
406372 2007 RQ_{267}	17.1	X	255.31119	259.18401	166.57915	6.73231	0.2213950	0.27347537	2.3506641	21	7 25.5	20.4
406373 2007 RY_{268}	18.2	X	293.77657	1.38405	41.74114	1.93094	0.1800089	0.27466623	2.3438647	21	8 27.1	20.4
406374 2007 RE_{284}	17.8	X	300.94371	142.90240	222.81782	2.45078	0.1623391	0.27608491	2.3358284	21	7 14.1	20.3
406375 2007 RH_{298}	17.7	X	276.89641	118.91690	274.36095	2.81719	0.1897673	0.27376580	2.3490013	21	7 12.9	20.6
406376 2007 RN_{302}	18.1	X	301.55278	210.45811	164.41544	1.10409	0.1930455	0.27350774	2.3504786	21	7 24.3	20.5
406377 2007 RM_{312}	15.2	X	239.64583	143.41624	255.08025	1.68306	0.2307477	0.12394698	3.9839335	21	6 6.9	21.4
406378 2007 RB_{315}	17.7	X	3.71341	117.95685	207.89995	5.40783	0.1944103	0.28397970	2.2923337	21	9 30.2	19.4
406379 2007 RP_{315}	17.2	X	283.14717	72.57874	302.05360	4.63141	0.1320285	0.27194238	2.3594899	21	7 4.9	20.1
406380 2007 RX_{316}	18.1	X	247.41601	125.46511	302.68558	2.60304	0.0838252	0.27353714	2.3503102	21	8 8.3	21.0
406381 2007 RK_{319}	17.2	X	337.51619	263.88456	8.38893	10.04538	0.0763547	0.26432454	2.4046086	21	5 6.4	19.9
406382 2007 RY_{320}	18.3	X	256.75078	2.53318	44.44759	3.16874	0.2261184	0.27035274	2.3687299	21	7 2.2	21.8
406383 2007 RP_{322}	17.9	X	315.35903	357.71232	346.17319	6.51570	0.1506268	0.27546667	2.3393220	21	7 10.5	20.2
406384 2007 RX_{323}	17.1	X	355.47143	240.15690	91.40434	7.96291	0.1411260	0.27926351	2.3180702	21	9 21.0	19.2
406385 2007 ST_{6}	17.4	X	351.04108	272.87842	94.22008	7.00893	0.2083625	0.28639756	2.2794138	21	11 14.9	19.0
406386 2007 SZ_{10}	17.5	X	260.06178	74.13721	351.95738	5.58889	0.0652466	0.27631213	2.3345477	21	8 27.6	20.2
406387 2007 SK_{12}	17.7	X	291.10091	285.12867	90.34249	6.58494	0.2561959	0.27514300	2.3411563	21	6 26.2	20.2
406388 2007 SW_{16}	17.3	X	47.39585	91.36832	167.33085	8.44154	0.0166502	0.27671940	2.3322565	21	8 9.0	20.1
406389 2007 TZ_{3}	17.7	X	201.65983	83.71008	347.21177	5.59365	0.1387707	0.26352663	2.4094600	21	6 14.2	21.5
406390 2007 TF_{9}	17.6	X	272.85362	358.01374	39.20196	2.75802	0.2135774	0.27283267	2.3543542	21	7 9.9	20.6
406391 2007 TQ_{10}	17.4	X	263.94296	204.53317	194.35332	6.21126	0.1388126	0.27060472	2.3672592	21	7 10.4	20.6
406392 2007 TB_{17}	17.5	X	232.56293	223.57957	215.68753	7.93275	0.1174053	0.26874525	2.3781661	21	7 28.7	21.0
406393 2007 TQ_{19}	17.2	X	332.80898	61.93848	302.63782	5.36792	0.1687297	0.27900634	2.3194944	21	9 15.7	18.9
406394 2007 TD_{33}	18.0	X	239.53855	8.83567	42.27200	3.00322	0.1089115	0.26625150	2.3929925	21	7 2.0	21.3
406395 2007 TS_{36}	17.7	X	355.70259	3.46735	14.03571	8.57097	0.1723349	0.28864804	2.2675505	21	12 2.2	19.8
406396 2007 TJ_{55}	18.2	X	297.88117	28.32827	10.68610	2.62687	0.2853799	0.27557563	2.3387054	21	8 8.3	20.3
406397 2007 TZ_{62}	17.7	X	207.98455	140.49003	351.05302	1.28654	0.1257351	0.27422307	2.3463892	21	9 11.8	21.1
406398 2007 TZ_{67}	17.9	X	329.39283	185.82565	175.18526	4.78916	0.2331428	0.27858764	2.3218179	21	8 28.8	19.1
406399 2007 TG_{73}	17.8	X	356.47902	315.45887	34.65121	7.92523	0.1322881	0.28065768	2.3103872	21	10 17.9	19.7
406400 2007 TC_{79}	17.6	X	326.33339	313.68955	9.63983	3.91728	0.2391688	0.27193464	2.3595347	21	6 11.9	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406401 2007 TU_{79}	17.9	X	295.89567	196.05758	185.56949	2.81337	0.2234843	0.27262270	2.3555629	21	7 18.4	20.3
406402 2007 TB_{94}	17.4	X	307.76661	148.07248	233.06570	3.93286	0.1736241	0.27852224	2.3221814	21	8 17.4	19.5
406403 2007 TD_{103}	18.1	X	255.95392	323.42278	104.22725	2.12902	0.1666872	0.27055486	2.3675500	21	8 7.1	21.1
406404 2007 TP_{105}	18.3	X	321.40177	105.90805	225.74600	1.59763	0.2196971	0.27257471	2.3558394	21	6 19.2	20.2
406405 2007 TJ_{109}	18.2	X	339.02731	101.73398	232.38248	4.24810	0.2500422	0.27783760	2.3259946	21	8 3.6	19.5
406406 2007 TD_{115}	17.0	X	316.42628	283.42790	81.90454	8.10849	0.1490340	0.27512645	2.3412501	21	8 19.1	19.2
406407 2007 TZ_{119}	17.3	X	317.60685	290.47757	51.02115	6.79735	0.2660865	0.27218538	2.3580854	21	6 17.8	19.3
406408 2007 TP_{124}	17.9	X	332.14163	223.60918	91.64090	2.39511	0.1945157	0.27118054	2.3639069	21	6 20.1	19.7
406409 2007 TK_{125}	17.9	X	217.79088	348.51853	71.41172	3.24551	0.1983162	0.26305210	2.4123567	21	6 13.1	21.8
406410 2007 TT_{129}	17.2	X	22.73866	277.87829	37.64320	6.28176	0.2292338	0.28080798	2.3095627	21	10 29.5	19.4
406411 2007 TZ_{137}	17.6	X	281.84453	281.79269	95.78456	2.64960	0.1494445	0.26927010	2.3750748	21	7 4.1	20.6
406412 2007 TW_{144}	17.8	X	282.97136	236.10511	166.78076	1.62889	0.1769839	0.27469335	2.3437104	21	8 7.3	20.3
406413 2007 TZ_{150}	17.7	X	323.09955	142.04971	233.67485	4.83932	0.1472918	0.27974458	2.3154119	21	9 13.8	19.6
406414 2007 TG_{153}	16.9	X	337.39851	122.49257	217.17772	7.44180	0.1457730	0.27671428	2.3322853	21	8 15.1	19.0
406415 2007 TH_{156}	17.9	X	262.54463	45.63446	346.46537	4.92891	0.2282243	0.26885006	2.3775480	21	6 17.7	21.3
406416 2007 TA_{159}	17.5	X	340.15258	119.15072	213.02733	5.99876	0.1183603	0.27597107	2.3364707	21	8 10.8	19.8
406417 2007 TP_{160}	17.1	X	317.98980	8.26515	354.34150	4.41688	0.2720168	0.27454261	2.3445682	21	7 25.7	18.7
406418 2007 TP_{163}	17.7	X	295.89566	321.65923	56.58934	2.41814	0.1966953	0.27308151	2.3529237	21	7 19.5	20.1
406419 2007 TZ_{166}	17.5	X	336.30162	319.92276	4.53272	4.82697	0.1836656	0.27408882	2.3471554	21	7 19.4	19.3
406420 2007 TF_{170}	17.4	X	338.41523	346.82415	355.29018	5.48307	0.3116248	0.27683510	2.3316066	21	8 16.9	17.8
406421 2007 TL_{175}	17.8	X	314.54747	199.91997	150.87402	1.39241	0.2047282	0.27289813	2.3539777	21	7 8.9	19.8
406422 2007 TR_{176}	17.0	X	234.59016	60.81998	34.59394	7.29314	0.0536693	0.27426792	2.3461334	21	9 7.3	20.0
406423 2007 TN_{179}	17.3	X	327.55986	251.97611	90.72097	8.16969	0.2592517	0.27434081	2.3457179	21	7 16.8	18.7
406424 2007 TJ_{182}	17.2	X	284.08331	290.44719	72.06681	7.25653	0.2601300	0.26895474	2.3769310	21	5 29.1	20.3
406425 2007 TQ_{197}	17.6	X	230.09190	289.47921	166.39510	4.36735	0.1925220	0.27758658	2.3273966	21	8 11.7	21.1
406426 2007 TY_{200}	17.6	X	354.36789	34.85356	213.59664	5.39259	0.0915241	0.25902773	2.4372788	21	5 2.8	20.1
406427 2007 TB_{207}	17.5	X	305.46215	27.42970	3.65854	4.08454	0.1196254	0.27978303	2.3151998	21	9 9.3	19.7
406428 2007 TH_{213}	18.2	X	266.30017	83.50133	290.32415	2.84122	0.2020497	0.26601519	2.3944095	21	5 31.3	21.6
406429 2007 TL_{218}	18.0	X	308.66075	358.66439	351.64567	0.82048	0.2048711	0.27028788	2.3691088	21	6 26.8	20.1
406430 2007 TE_{224}	18.0	X	287.59180	264.62496	155.44915	4.42759	0.1520773	0.27585975	2.3370992	21	9 15.8	20.2
406431 2007 TZ_{235}	18.1	X	196.70616	341.76800	103.83669	2.10046	0.1647796	0.26345948	2.4098693	21	6 28.2	21.8
406432 2007 TK_{240}	17.6	X	339.18069	147.84297	193.41369	5.24651	0.1432763	0.27626675	2.3348033	21	8 23.8	19.7
406433 2007 TQ_{243}	17.0	X	245.39114	5.80318	41.13973	13.94524	0.1338153	0.26782506	2.3836102	21	6 30.1	20.6
406434 2007 TQ_{245}	17.3	X	302.50448	313.03590	71.62366	6.77312	0.2084911	0.27445621	2.3450603	21	8 11.1	19.6
406435 2007 TQ_{256}	17.7	X	352.92147	216.43622	103.32228	2.34732	0.1643953	0.27487893	2.3426554	21	8 22.3	19.5
406436 2007 TS_{262}	18.3	X	257.65040	217.76246	217.84574	0.71231	0.1413840	0.27209936	2.3585823	21	8 23.7	21.4
406437 2007 TB_{283}	17.5	X	247.62473	229.97641	192.45001	4.63119	0.1226397	0.27116944	2.3639714	21	7 24.7	20.8
406438 2007 TE_{292}	18.0	X	300.20440	161.34038	172.19051	2.12140	0.2202430	0.26963533	2.3729296	21	5 16.4	20.6
406439 2007 TM_{307}	18.1	X	334.15937	262.16235	66.39266	1.75868	0.1295576	0.27315183	2.3525199	21	7 25.7	20.0
406440 2007 TK_{311}	17.7	X	297.58789	315.70457	20.30290	1.70972	0.2023697	0.26897495	2.3768120	21	5 18.2	20.4
406441 2007 TR_{322}	17.5	X	340.41924	159.99959	160.51180	4.30261	0.2637133	0.27521328	2.3407577	21	7 11.5	18.7
406442 2007 TT_{323}	16.8	X	130.47358	173.53005	343.51028	6.84575	0.0488843	0.26553372	2.3973030	21	7 18.9	20.0
406443 2007 TW_{338}	17.9	X	270.95857	314.62641	125.85702	3.90298	0.1457035	0.27905673	2.3192152	21	9 21.3	20.5
406444 2007 TB_{358}	17.7	X	231.96999	210.50827	253.27829	4.08694	0.1787400	0.27543679	2.3394912	21	8 24.5	21.0
406445 2007 TL_{367}	17.5	X	357.34402	270.65455	121.77806	6.14500	0.1479570	0.28697916	2.2763331	21	12 25.6	19.6
406446 2007 TB_{377}	18.4	X	277.18881	160.88846	247.90972	2.36439	0.1702102	0.27423136	2.3463419	21	8 7.6	21.1
406447 2007 TB_{382}	18.5	X	259.39904	258.53014	149.36797	1.53693	0.1877512	0.26910133	2.3760678	21	7 11.1	21.7
406448 2007 TD_{383}	17.5	X	200.20956	50.90844	37.01076	6.62158	0.0944758	0.26361821	2.4089019	21	7 8.4	21.0
406449 2007 TO_{385}	18.3	X	286.26250	14.83169	13.29770	7.01953	0.2226979	0.27316732	2.3524310	21	7 15.4	21.1
406450 2007 TP_{397}	16.9	X	20.27644	183.32961	106.44541	8.81100	0.1068019	0.27481872	2.3429976	21	8 28.5	19.3
406451 2007 TN_{401}	15.7	X	259.63493	33.99902	10.02989	2.71039	0.2126352	0.12544224	3.9522115	21	7 3.4	21.7
406452 2007 TE_{428}	18.0	X	279.42940	152.52903	203.02416	7.43585	0.1351077	0.26423043	2.4051795	21	6 2.1	21.2
406453 2007 TE_{430}	17.3	X	304.59109	285.83333	79.70663	6.20752	0.1213662	0.27081939	2.3660080	21	7 29.3	19.8
406454 2007 TG_{430}	17.6	X	199.64020	210.40135	257.44527	3.52820	0.0974761	0.26507436	2.4000718	21	8 1.8	21.1
406455 2007 TD_{433}	17.8	X	232.96195	282.61839	157.07588	2.69996	0.1706062	0.26787693	2.3833025	21	7 26.2	21.1
406456 2007 TP_{434}	18.0	X	356.00709	260.13921	136.00610	7.14194	0.1919579	0.28731092	2.2745804	21	—	—
406457 2007 TO_{435}	17.6	X	304.39259	275.56259	100.45423	4.81271	0.2405547	0.27422789	2.3463617	21	7 23.2	19.8
406458 2007 TS_{435}	17.6	X	320.77154	51.40060	321.01165	1.43865	0.2023043	0.27524974	2.3405510	21	8 29.7	19.2
406459 2007 TH_{437}	15.6	X	242.27182	254.57348	167.12649	3.10084	0.2072289	0.12582665	3.9441578	21	7 7.7	21.7
406460 2007 TY_{446}	17.2	X	356.26358	236.83908	69.74258	10.70819	0.2494563	0.27526559	2.3404611	21	8 16.3	18.7
406461 2007 UD_{15}	17.2	X	13.60561	180.49458	20.69929	9.28786	0.1683303	0.25600220	2.4564443	21	3 25.9	19.4
406462 2007 UC_{18}	17.6	X	343.40570	221.46607	125.31844	3.46035	0.2359274	0.27959431	2.3162415	21	9 18.2	18.6
406463 2007 UM_{23}	17.5	X	51.28792	170.45806	57.99563	7.37751	0.0720751	0.26386347	2.4074090	21	7 11.3	20.3
406464 2007 UY_{23}	17.6	X	215.12906	334.31977	132.12171	2.67609	0.1635232	0.26836131	2.3804338	21	8 13.5	21.3
406465 2007 UO_{29}	17.8	X	220.14305	291.33772	159.97723	1.28653	0.1852798	0.26908288	2.3761764	21	7 27.3	21.3
406466 2007 UW_{44}	17.8	X	199.75744	172.52534	256.21103	0.64606	0.1206069	0.26245783	2.4159968	21	6 10.2	21.4
406467 2007 UA_{49}	17.8	X	265.05941	244.91333	171.81992	3.79651	0.1898889	0.27057447	2.3674356	21	7 29.6	20.9
406468 2007 US_{54}	18.0	X	289.19740	331.43305	43.67267	1.99799	0.2023166	0.27023364	2.3694257	21	7 2.5	20.8
406469 2007 UL_{56}	17.8	X	306.96794	71.16719	232.52180	0.71076	0.1902997	0.26490715	2.4010817	21	4 18.2	20.5
406470 2007 UB_{59}	18.1	X	264.80716	344.24826	36.85291	3.19001	0.1990514	0.26649671	2.3915244	21	6 8.9	21.4
406471 2007 UE_{61}	17.9	X	268.42335	177.12281	202.64680	0.82902	0.2002086	0.26624155	2.3930521	21	6 11.5	21.2
406472 2007 UT_{71}	17.2	X	209.15436	257.12384	169.30949	6.66757	0.1326144	0.26101455	2.4248948	21	6 16.9	20.9
406473 2007 UU_{77}	18.1	X	305.64607	37.58588	6.69305	3.04414	0.2200279	0.27887247	2.3202367	21	9 15.4	19.6
406474 2007 UU_{82}	17.9	X	7.32636	254.58718	26.55602	2.34839	0.2341352	0.26979062	2.3720189	21	7 26.2	19.1
406475 2007 UP_{84}	18.3	X	279.91641	151.42986	210.60515	0.28538	0.1495166	0.26531964	2.3985924	21	6 8.9	21.2
406476 2007 UA_{86}	18.0	X	255.80378	233.19942	190.81941	2.10444	0.1932830	0.26944501	2.3740469	21	7 27.9	21.2
406477 2007 UV_{90}	18.2	X	187.17908	63.74977	37.51177	1.56742	0.1604803	0.26240116	2.4163446	21	7 9.9	22.0
406478 2007 UZ_{90}	18.6	X	301.54729	66.70876	263.49834	0.66369	0.2010056	0.26640222	2.3920899	21	5 16.3	21.1
406479 2007 UL_{94}	17.7	X	315.94225	62.21973	240.12509	5.32372	0.0703154	0.26119376	2.4237855	21	5 20.5	20.4
406480 2007 UN_{96}	17.8	X	325.36264	125.25303	227.87278	1.45562	0.2340421	0.27426266	2.3461634	21	8 1.9	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406481 2007 UL_{97}	18.2	X	314.39985	294.78839	42.60263	3.15146	0.2113105	0.27000317	2.3707739	21	6 15.7	20.3
406482 2007 UG_{99}	17.8	X	326.09980	270.95430	59.91161	5.81353	0.1310963	0.26788842	2.3832344	21	7 12.9	20.2
406483 2007 US_{99}	17.2	X	227.28353	34.10328	49.13213	11.30474	0.1772713	0.26577152	2.3958728	21	7 27.9	21.0
406484 2007 UT_{106}	18.0	X	181.52329	188.43194	241.74419	3.18742	0.1627446	0.25592865	2.4569149	21	5 24.9	22.0
406485 2007 UP_{122}	17.6	X	127.59581	65.33007	88.49890	2.53070	0.1150714	0.26010267	2.4305591	21	7 16.2	20.9
406486 2007 UO_{131}	17.4	X	281.11145	301.96696	124.48059	6.62720	0.2443952	0.27531741	2.3401675	21	8 29.6	19.9
406487 2007 UC_{139}	16.6	X	111.21794	176.32882	322.29059	6.07699	0.1687681	0.25300232	2.4758237	21	6 12.3	20.2
406488 2007 VO	17.5	X	237.87802	29.62408	1.82256	5.41407	0.1827431	0.26308910	2.4121306	21	5 25.9	21.4
406489 2007 VF_{7}	17.0	X	287.57911	127.57133	253.25951	4.11237	0.2350847	0.26981860	2.3718549	21	7 2.3	19.9
406490 2007 VT_{11}	18.0	X	281.68276	290.65225	88.93810	3.34111	0.2379380	0.26886120	2.3774823	21	6 22.2	21.1
406491 2007 VS_{29}	17.0	X	125.36531	153.88022	36.03630	7.71356	0.0424554	0.27367406	2.3495262	21	8 29.9	20.1
406492 2007 VV_{29}	17.7	X	340.19128	260.97526	93.38588	3.48078	0.2420726	0.27717126	2.3297210	21	9 22.9	18.9
406493 2007 VZ_{34}	17.5	X	231.31938	238.53403	210.29558	6.97084	0.0746562	0.26759666	2.3849663	21	8 14.6	20.7
406494 2007 VD_{47}	17.6	X	340.53088	293.02422	17.45271	6.84334	0.1242882	0.26799019	2.3826310	21	7 10.7	19.9
406495 2007 VX_{49}	17.6	X	21.82228	311.39045	23.11761	7.57396	0.1672609	0.28171478	2.3046039	21	11 12.4	19.9
406496 2007 VR_{51}	17.1	X	182.86758	187.93065	271.74083	4.10199	0.1550825	0.26031612	2.4292302	21	7 3.4	21.0
406497 2007 VO_{68}	17.7	X	128.73266	94.90719	51.50184	1.69112	0.1322182	0.25887620	2.4382298	21	7 9.1	21.1
406498 2007 VE_{75}	17.9	X	193.22038	292.99123	186.42065	1.14144	0.1476670	0.26632376	2.3925596	21	8 8.7	21.5
406499 2007 VX_{84}	17.5	X	280.36665	343.45997	58.24301	7.22852	0.2403307	0.27229834	2.3574331	21	7 23.6	20.5
406500 2007 VY_{100}	17.8	X	180.69544	186.96860	292.62555	2.29769	0.1100037	0.26180879	2.4199881	21	7 28.0	21.3
406501 2007 VW_{102}	18.4	X	3.91082	163.83894	141.66629	1.87992	0.1917643	0.27678154	2.3319074	21	8 26.2	19.8
406502 2007 VK_{103}	17.1	X	176.20146	19.67749	50.91794	6.53976	0.1055808	0.25868301	2.4394436	21	5 18.2	20.5
406503 2007 VL_{115}	18.9	X	247.68947	271.60952	143.02452	3.05082	0.1737683	0.26551070	2.3974416	21	7 8.3	22.2
406504 2007 VE_{121}	17.5	X	26.75180	263.59366	10.54788	6.18032	0.0481058	0.26699098	2.3885719	21	8 7.6	20.2
406505 2007 VA_{134}	17.8	X	304.42100	44.53313	280.60208	2.18504	0.1926706	0.26627926	2.3928262	21	5 14.2	20.7
406506 2007 VM_{141}	18.2	X	249.63011	151.38485	260.68117	1.38728	0.2068514	0.26686879	2.3893010	21	7 3.3	21.8
406507 2007 VN_{148}	17.5	X	310.16593	315.97068	75.54075	3.54481	0.1918099	0.27580355	2.3374167	21	9 10.4	19.4
406508 2007 VR_{148}	17.7	X	284.50146	286.31899	82.36482	2.27285	0.1924212	0.26739948	2.3861386	21	6 17.8	20.5
406509 2007 VT_{150}	17.9	X	314.36192	246.42211	157.19969	1.99883	0.1264739	0.27723344	2.3293727	21	10 15.3	19.8
406510 2007 VG_{151}	17.8	X	266.39703	106.43365	273.68131	1.17189	0.1883695	0.26620649	2.3932622	21	6 11.1	21.1
406511 2007 VO_{151}	16.2	X	155.60048	13.50253	104.36480	17.86122	0.1475814	0.24471959	2.5313773	21	6 30.7	20.1
406512 2007 VD_{154}	18.2	X	308.11125	159.52009	208.75438	5.62236	0.2291543	0.27246540	2.3564695	21	7 18.1	20.5
406513 2007 VX_{180}	17.7	X	2.07679	296.01238	62.72653	5.19989	0.1648542	0.28248136	2.3004326	21	11 15.4	19.6
406514 2007 VR_{192}	17.0	X	110.90361	25.89686	87.87352	7.24183	0.1753583	0.24215872	2.5491926	21	5 12.9	20.6
406515 2007 VO_{197}	17.7	X	20.12608	35.03947	252.58788	4.56925	0.1433730	0.27327885	2.3517909	21	8 23.3	20.0
406516 2007 VM_{206}	17.1	X	330.51036	72.53077	281.07657	6.23224	0.1300966	0.27683545	2.3316047	21	8 24.6	19.2
406517 2007 VB_{211}	17.7	X	243.97897	87.91940	335.79202	2.80327	0.1940682	0.26718629	2.3874077	21	7 14.9	21.3
406518 2007 VQ_{211}	17.2	X	342.56066	183.39842	36.35053	8.44020	0.0532173	0.24590681	2.5232233	21	3 13.5	20.3
406519 2007 VX_{212}	17.7	X	243.39112	228.80633	202.87949	6.67109	0.0851289	0.26789156	2.3832158	21	8 5.3	20.9
406520 2007 VM_{224}	15.0	X	242.19303	57.00659	25.57664	13.06667	0.2268740	0.12062249	4.0568025	21	8 4.1	21.4
406521 2007 VC_{225}	18.3	X	263.15694	275.88959	143.73914	1.92655	0.1718701	0.27202834	2.3589928	21	8 3.8	21.4
406522 2007 VR_{226}	17.5	X	295.85598	351.96822	355.74914	5.59177	0.2062783	0.26816334	2.3816053	21	5 31.1	20.4
406523 2007 VO_{229}	17.2	X	331.61592	262.46499	47.95840	6.94803	0.1614717	0.26573636	2.3960841	21	6 15.5	19.4
406524 2007 VK_{230}	17.7	X	171.31419	78.43694	41.59594	1.92416	0.1371344	0.26129590	2.4231538	21	7 19.3	21.3
406525 2007 VQ_{253}	17.6	X	254.39690	277.32190	145.58012	7.20988	0.2735419	0.26806022	2.3822160	21	7 14.7	21.4
406526 2007 VG_{255}	17.9	X	17.85547	237.77474	40.92768	2.47324	0.1601132	0.27003380	2.3705946	21	8 10.0	19.9
406527 2007 VH_{260}	17.8	X	272.20018	256.00586	164.32136	5.14055	0.2241278	0.27245394	2.3565355	21	8 7.9	20.7
406528 2007 VV_{273}	18.0	X	270.77405	272.89434	133.00202	3.97299	0.1772930	0.26982356	2.3718259	21	7 24.5	21.1
406529 2007 VY_{274}	17.3	X	0.33068	177.85239	128.34699	7.20151	0.1173248	0.26923405	2.3752868	21	8 13.3	19.5
406530 2007 VS_{290}	16.8	X	75.42332	259.42272	249.09814	12.95474	0.1204176	0.24528120	2.5275119	21	4 29.2	19.9
406531 2007 VD_{308}	17.5	X	182.88334	175.80996	272.96888	6.67727	0.1190200	0.25344681	2.4729281	21	6 19.3	21.2
406532 2007 VR_{308}	18.6	X	248.81590	217.35390	187.94068	0.65977	0.1723939	0.26497816	2.4006527	21	6 27.3	21.9
406533 2007 VL_{315}	17.6	X	289.01910	86.32425	299.59753	1.64097	0.1947429	0.27065205	2.3669831	21	7 19.5	20.2
406534 2007 VQ_{316}	17.1	X	188.97460	319.31738	66.33372	6.90597	0.0581550	0.24730621	2.5136957	21	4 6.2	20.7
406535 2007 VN_{320}	17.3	X	315.12510	278.70111	79.84406	4.71365	0.2235867	0.27219306	2.3580410	21	7 20.5	19.3
406536 2007 VD_{321}	17.6	X	187.73215	347.07916	76.46096	5.70908	0.1675539	0.25478819	2.4642410	21	5 22.7	21.5
406537 2007 VP_{325}	18.2	X	241.45787	63.34199	355.04937	3.83837	0.1045075	0.26513071	2.3997318	21	7 15.8	21.4
406538 2007 VG_{327}	18.4	X	267.83616	144.06078	264.19818	5.00513	0.2453819	0.26812892	2.3818090	21	7 13.3	21.7
406539 2007 VF_{332}	17.1	X	140.00054	155.90930	297.62036	5.04553	0.2035845	0.24234241	2.5479042	21	5 17.4	21.1
406540 2007 VU_{332}	16.7	X	183.00432	180.70818	282.24669	8.20542	0.0366448	0.25387247	2.4701632	21	7 8.8	19.9
406541 2007 VK_{333}	17.6	X	255.26835	313.32390	126.59998	5.43392	0.1659049	0.27022108	2.3694992	21	8 24.1	20.5
406542 2007 WJ_{5}	17.9	X	276.49141	307.03427	64.25869	3.38353	0.2121325	0.26624694	2.3930198	21	6 7.7	21.0
406543 2007 WM_{8}	17.4	X	334.76690	10.79118	21.61291	3.82697	0.1857417	0.27970976	2.3156041	21	11 9.9	19.0
406544 2007 WT_{9}	18.4	X	263.91655	35.98661	40.58664	2.93313	0.1765070	0.27451021	2.3447527	21	8 30.2	21.2
406545 2007 WB_{15}	17.5	X	302.33856	198.51782	187.92012	1.90571	0.2175750	0.27292989	2.3537951	21	8 8.1	19.6
406546 2007 WN_{32}	17.7	X	272.65303	103.49915	300.07387	3.51193	0.1348204	0.26871483	2.3783456	21	7 30.8	20.6
406547 2007 WQ_{37}	17.9	X	240.85466	113.30254	296.59028	3.71214	0.2263139	0.26363622	2.4087922	21	6 19.6	21.6
406548 2007 WF_{44}	17.0	X	144.79645	294.70597	113.54399	10.05271	0.1564401	0.23564493	2.5959559	21	3 28.0	21.1
406549 2007 WT_{57}	16.3	X	39.36038	194.38301	327.25450	10.27690	0.1389265	0.22630791	2.6668764	21	3 19.3	19.2
406550 2007 XX_{23}	17.0	X	251.92949	332.64085	92.34514	9.47037	0.1494110	0.26691685	2.3890141	21	8 1.8	20.3
406551 2007 XF_{54}	17.8	X	266.99660	278.92086	119.39759	2.29191	0.1913097	0.26347405	2.4097805	21	7 6.7	20.8
406552 2007 XN_{58}	17.5	X	211.83798	28.74806	38.92446	4.99325	0.1570943	0.25865610	2.4396128	21	6 19.6	21.3
406553 2007 YV_{4}	17.6	X	278.97179	23.37565	14.86662	3.43119	0.2250635	0.26962081	2.3730148	21	7 18.2	20.5
406554 2007 YY_{5}	17.5	X	139.22377	174.45696	281.37966	5.78123	0.0660058	0.25155580	2.4853058	21	5 4.9	21.0
406555 2007 YN_{15}	17.3	X	291.35639	331.25417	297.53178	3.55947	0.0315068	0.24203310	2.5500745	21	3 6.9	20.8
406556 2007 YE_{27}	17.6	X	102.30191	169.30638	310.75258	13.40803	0.1861528	0.24001587	2.5643428	21	5 5.5	21.5
406557 2007 YO_{42}	17.6	X	185.75733	17.36121	65.54342	1.66486	0.1949435	0.25252721	2.4789281	21	6 14.4	21.8
406558 2007 YH_{47}	17.1	X	19.24887	61.78939	110.96711	3.67053	0.1100251	0.23113961	2.6295805	21	3 2.6	19.9
406559 2007 YX_{50}	16.1	X	227.96943	146.41473	109.51783	14.11599	0.1288351	0.21984382	2.7188999	21	—	—
406560 2007 YC_{51}	17.4	X	292.29628	253.62577	108.85852	16.28924	0.2474381	0.26211914	2.4180776	21	6 12.9	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406561 2007 YB_{56}	16.9	X	179.11556	154.67074	298.75134	4.41528	0.1318932	0.25330005	2.4738833	21	6 21.7	20.7
406562 2007 YQ_{61}	16.7	X	320.34282	242.82914	185.01881	21.32021	0.2964547	0.28071906	2.3100504	21	12 9.6	18.4
406563 2007 YO_{64}	16.7	X	21.02327	219.21259	333.78747	8.16363	0.0643646	0.23698597	2.5861535	21	3 28.8	19.8
406564 2007 YK_{65}	17.1	X	255.71515	45.16217	327.70992	6.40280	0.1283740	0.25478238	2.4642785	21	5 26.2	20.6
406565 2007 YM_{66}	17.9	X	164.88047	77.83730	0.81786	1.74581	0.1261344	0.24603342	2.5223575	21	5 18.1	21.6
406566 2007 YX_{66}	17.4	X	183.04832	293.71022	116.71846	2.77962	0.1016611	0.24316899	2.5421271	21	5 1.4	21.2
406567 2007 YP_{68}	16.8	X	143.04827	282.25452	136.85451	15.34482	0.0993844	0.23800229	2.5787859	21	4 3.2	20.7
406568 2007 YM_{73}	17.5	X	32.36630	24.77327	125.96700	2.18252	0.0736878	0.23005000	2.6378771	21	2 21.8	20.6
406569 2007 YR_{73}	17.4	X	312.82840	214.36379	150.38165	1.82278	0.1933488	0.26241687	2.4162482	21	7 29.7	19.6
406570 2007 YN_{74}	16.4	X	335.84149	353.35438	166.66041	14.35020	0.0507130	0.21730283	2.7400540	21	—	—
406571 2008 AH_{7}	15.0	X	302.11900	104.63662	263.49163	10.62582	0.2696915	0.12515017	3.9583581	21	6 30.8	20.2
406572 2008 AQ_{15}	17.5	X	95.86131	320.19979	130.52533	14.92219	0.0395128	0.23330482	2.6132858	21	3 5.6	21.0
406573 2008 AU_{16}	16.8	X	69.34577	356.59418	129.49032	13.75488	0.1392656	0.23383828	2.6093098	21	3 31.1	20.0
406574 2008 AV_{22}	16.7	X	77.19286	348.05964	115.07770	7.04622	0.0254416	0.22854647	2.6494336	21	2 22.3	20.2
406575 2008 AG_{24}	17.1	X	345.94623	203.66719	327.15609	10.24177	0.0249679	0.22351199	2.6890703	21	1 18.7	20.6
406576 2008 AU_{36}	17.2	X	209.80983	311.31714	142.49301	10.54144	0.2002543	0.25832036	2.4417262	21	7 19.1	21.2
406577 2008 AJ_{39}	17.0	X	82.37977	350.16956	117.21230	6.84967	0.0597389	0.23218294	2.6216971	21	3 11.6	20.3
406578 2008 AD_{48}	17.6	X	235.29663	288.86472	106.05048	2.32169	0.1861868	0.25656086	2.4528770	21	5 29.5	21.3
406579 2008 AA_{75}	16.8	X	82.66137	346.96601	125.72036	9.60513	0.0869792	0.23412891	2.6071500	21	3 23.9	20.1
406580 2008 AG_{78}	16.4	X	134.14562	85.23349	305.98151	27.91940	0.0396185	0.22917552	2.6445832	21	2 1.4	20.0
406581 2008 AA_{79}	17.0	X	285.88098	256.93160	140.32384	5.57636	0.1141900	0.26260934	2.4150675	21	8 14.2	19.4
406582 2008 AK_{81}	17.1	X	332.76094	331.38103	220.25544	1.55114	0.1567040	0.22307252	2.6926010	21	1 7.1	20.4
406583 2008 AE_{85}	17.6	X	240.24957	74.63998	319.92937	6.33154	0.1645181	0.25398716	2.4694195	21	6 3.8	21.5
406584 2008 AK_{90}	17.2	X	71.24570	2.74326	132.88622	3.88492	0.0806514	0.23752190	2.5822619	21	4 3.6	20.3
406585 2008 AP_{97}	17.2	X	59.24925	82.74287	87.78799	5.13272	0.0220477	0.24076414	2.5590269	21	4 26.7	20.4
406586 2008 AL_{98}	18.0	X	260.33013	11.21623	39.06801	3.19417	0.2284480	0.26213061	2.4180070	21	7 10.7	21.4
406587 2008 AX_{103}	17.9	X	217.35443	90.16453	335.77718	1.48697	0.1764843	0.25658600	2.4527169	21	6 21.9	21.8
406588 2008 BZ_{14}	17.0	X	2.22886	126.57948	89.39443	3.86729	0.1764825	0.23496683	2.6009480	21	3 28.4	19.4
406589 2008 BJ_{17}	17.5	X	235.21512	320.43507	101.70628	3.23952	0.1933291	0.25866007	2.4395878	21	7 3.2	21.3
406590 2008 BC_{29}	16.8	X	245.47977	347.57548	309.63885	12.88736	0.1705214	0.22916762	2.6446440	21	2 8.2	21.0
406591 2008 BG_{29}	16.7	X	161.20863	47.64843	307.13285	5.19433	0.0540869	0.22583130	2.6706274	21	1 24.6	20.5
406592 2008 BH_{30}	17.5	X	94.80000	342.45652	139.82857	11.99584	0.1195845	0.23706969	2.5855446	21	4 28.9	21.1
406593 2008 BQ_{36}	16.8	X	177.21202	217.39392	154.51745	12.09915	0.0130159	0.22659571	2.6646178	21	3 2.9	20.4
406594 2008 BA_{44}	16.8	X	110.04715	47.79423	35.51622	5.19621	0.1304999	0.23638986	2.5904993	21	3 26.5	20.3
406595 2008 BO_{46}	17.0	X	108.06511	136.21213	343.01093	11.61504	0.1340051	0.23560261	2.5962668	21	5 4.6	20.8
406596 2008 CW_{2}	16.7	X	306.24491	17.80627	150.72597	17.97122	0.1836230	0.21071391	2.7968805	21	—	—
406597 2008 CT_{3}	17.1	X	8.75353	214.65961	355.75010	4.23132	0.0850532	0.23281750	2.6169312	21	4 4.8	20.2
406598 2008 CL_{9}	16.8	X	71.17707	247.87646	138.70290	7.06447	0.0809716	0.21309964	2.7759666	21	—	—
406599 2008 CU_{18}	17.0	X	74.41554	348.66321	141.02076	7.43187	0.1560599	0.23156678	2.6263456	21	4 13.7	20.1
406600 2008 CF_{24}	17.1	X	70.40167	325.25800	144.06932	13.76197	0.2145118	0.22935555	2.6431991	21	3 19.2	20.0
406601 2008 CF_{26}	17.0	X	230.95273	111.11805	302.98307	6.03000	0.0785734	0.25678317	2.4514611	21	6 29.2	20.3
406602 2008 CP_{37}	16.9	X	114.09942	269.39251	155.00139	22.07621	0.0712791	0.22732627	2.6589059	21	2 26.3	20.2
406603 2008 CM_{44}	16.9	X	32.34031	347.75788	134.39257	6.57965	0.0916659	0.22098150	2.7095600	21	1 15.7	20.2
406604 2008 CT_{44}	17.2	X	116.89674	31.84757	55.17721	3.11648	0.1796813	0.23379401	2.6096391	21	4 15.1	21.0
406605 2008 CB_{47}	16.7	X	163.17494	343.58559	142.12952	12.87955	0.1986338	0.25340594	2.4731940	21	7 18.8	20.8
406606 2008 CM_{56}	17.3	X	263.56269	60.38217	150.02783	10.22034	0.1322880	0.21318953	2.7751862	21	—	—
406607 2008 CD_{57}	17.1	X	291.45093	321.00746	282.89803	3.81027	0.0332228	0.22717368	2.6600964	21	2 5.9	20.6
406608 2008 CJ_{58}	17.3	X	257.16788	316.97214	135.92424	7.69347	0.1688766	0.26409736	2.4059874	21	9 13.9	20.3
406609 2008 CY_{59}	17.6	X	78.66978	333.33410	164.02129	10.35780	0.1235792	0.23454176	2.6040896	21	4 25.4	20.9
406610 2008 CJ_{62}	17.4	X	136.12859	225.18427	162.43381	6.05660	0.0463457	0.22626103	2.6672448	21	2 2.6	21.1
406611 2008 CO_{65}	16.7	X	168.56117	247.69827	146.04750	22.35736	0.0226850	0.23368661	2.6104387	21	3 23.7	20.5
406612 2008 CP_{67}	17.1	X	256.84583	177.71082	97.38236	7.21310	0.1049507	0.22230741	2.6987755	21	1 30.9	21.1
406613 2008 CW_{70}	16.8	X	90.23587	79.57707	42.87485	10.34784	0.1851334	0.23383312	2.6093482	21	4 29.1	20.0
406614 2008 CL_{89}	16.6	X	112.72143	288.93388	151.29280	14.08807	0.1377569	0.23046273	2.6347267	21	3 29.4	20.3
406615 2008 CD_{92}	16.7	X	268.73710	70.80069	143.99584	13.08183	0.1051978	0.21216348	2.7841265	21	—	—
406616 2008 CX_{95}	16.8	X	29.53324	242.47008	290.78557	7.06591	0.0643322	0.23670536	2.5881970	21	3 14.2	20.1
406617 2008 CK_{100}	17.1	X	359.35882	42.44733	145.33871	8.69646	0.1061080	0.22701233	2.6613567	21	2 17.7	20.0
406618 2008 CD_{112}	16.9	X	244.14531	146.44558	117.60739	6.02246	0.0739875	0.22000465	2.7175746	21	1 5.6	21.0
406619 2008 CM_{112}	16.9	X	4.40441	36.94812	132.29045	14.49381	0.1190806	0.22572650	2.6714539	21	1 30.5	19.9
406620 2008 CU_{121}	17.2	X	39.59297	10.25705	153.59828	12.29294	0.1408260	0.23272740	2.6176065	21	3 29.3	19.9
406621 2008 CB_{127}	16.9	X	18.38265	10.44783	153.61275	10.67146	0.1025503	0.22729895	2.6591190	21	2 16.3	19.7
406622 2008 CX_{131}	17.0	X	81.18450	1.68663	132.38059	4.72695	0.1268969	0.23461142	2.6035741	21	4 24.2	20.2
406623 2008 CT_{133}	17.1	X	160.77490	94.15050	338.40149	16.15600	0.0888196	0.23899564	2.5716354	21	4 26.3	21.2
406624 2008 CC_{134}	17.0	X	313.80919	25.15033	158.45052	7.17769	0.2238392	0.21688437	2.7435774	21	—	—
406625 2008 CK_{135}	17.1	X	145.23385	244.27876	159.15925	4.68710	0.0424922	0.23119712	2.6291444	21	3 5.7	20.8
406626 2008 CC_{141}	16.7	X	58.26385	169.76516	325.01289	14.13416	0.1855528	0.22966363	2.6408348	21	3 18.5	19.6
406627 2008 CY_{141}	16.9	X	113.00815	302.01500	165.03571	13.42173	0.1567337	0.23584405	2.5944946	21	5 6.3	20.8
406628 2008 CN_{154}	17.3	X	153.55952	274.70673	118.11803	9.79732	0.1226674	0.23030987	2.6358924	21	3 14.1	21.3
406629 2008 CP_{162}	17.3	X	163.31268	242.87359	149.93926	7.56563	0.0333175	0.23169030	2.6254121	21	3 14.3	20.9
406630 2008 CV_{170}	17.1	X	214.11877	81.29466	219.29219	4.22412	0.0948412	0.22040915	2.7142487	21	1 17.4	21.2
406631 2008 CE_{178}	16.2	X	276.81294	113.02413	113.17892	17.32799	0.2247912	0.21526300	2.7573366	21	—	—
406632 2008 CV_{180}	16.3	X	276.41356	326.26956	224.99688	6.47412	0.0928932	0.21002409	2.8030014	21	—	—
406633 2008 CM_{186}	17.9	X	14.10859	237.33373	284.37779	18.27763	0.1057016	0.37448780	1.9062401	21	—	—
406634 2008 CN_{188}	16.4	X	348.22221	272.87397	260.54487	10.43004	0.1309506	0.22374244	2.6872235	21	1 8.2	19.6
406635 2008 CT_{195}	16.6	X	222.60055	136.90368	172.48076	11.26464	0.0751006	0.22267438	2.6958096	21	2 4.7	20.8
406636 2008 CX_{195}	17.0	X	139.48886	92.50115	0.70320	14.65392	0.0590678	0.23691498	2.5866700	21	4 28.1	20.8
406637 2008 CX_{199}	17.3	X	92.07853	281.29298	176.66926	6.01911	0.0747175	0.22725979	2.6594244	21	3 12.6	20.7
406638 2008 CQ_{201}	17.0	X	340.40718	250.32868	331.78561	6.48708	0.0395636	0.22960990	2.6412467	21	3 12.4	20.4
406639 2008 CU_{202}	16.8	X	270.32233	113.13159	139.90217	5.67799	0.0631234	0.22010145	2.7167778	21	1 21.3	20.7
406640 2008 CQ_{207}	17.3	X	228.16399	325.65582	357.00472	4.94643	0.0551642	0.22867417	2.6484472	21	3 1.5	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406641 2008 CY_{212}	16.5	X	220.17082	344.41524	353.68273	11.71447	0.0731308	0.23148693	2.6269495	21	3 10.7	20.3
406642 2008 DB_{1}	18.0	X	164.87548	105.30441	0.69205	1.76820	0.1927625	0.25051270	2.4922000	21	6 25.6	21.9
406643 2008 DX_{6}	16.3	X	126.44884	295.97795	140.45026	22.43355	0.0402752	0.23496416	2.6009677	21	3 29.7	20.2
406644 2008 DP_{19}	16.7	X	322.66027	226.11086	350.40003	11.08830	0.1060332	0.22054167	2.7131613	21	2 5.9	20.3
406645 2008 DB_{20}	16.6	X	222.01052	173.50123	180.73215	13.03252	0.0318859	0.23190391	2.6237997	21	4 4.5	20.3
406646 2008 DX_{24}	16.5	X	359.95281	218.88771	352.84073	16.61019	0.0888251	0.23084811	2.6317936	21	3 21.8	19.6
406647 2008 DO_{26}	16.4	X	344.24897	34.06185	174.89788	17.38806	0.1282336	0.22525597	2.6751728	21	2 17.4	19.7
406648 2008 DP_{39}	17.0	X	63.69844	152.26200	352.99037	11.69029	0.1366446	0.22979350	2.6398397	21	4 8.1	20.1
406649 2008 DV_{39}	16.5	X	346.53230	51.31046	177.97504	15.59095	0.0946925	0.22789482	2.6544817	21	3 27.5	19.5
406650 2008 DO_{56}	15.9	X	132.14552	259.39549	161.75869	22.09722	0.0630801	0.23073677	2.6326402	21	3 16.4	19.6
406651 2008 DE_{59}	18.5	X	181.11818	85.94842	334.42704	17.47604	0.0709707	0.38986924	1.8557668	21	4 17.6	20.9
406652 2008 DH_{59}	18.1	X	187.41912	227.00312	166.40645	23.21350	0.1354454	0.38346599	1.8763686	21	4 4.0	20.5
406653 2008 DG_{67}	17.0	X	75.51102	151.49320	345.23893	13.50723	0.1877518	0.23136399	2.6278800	21	4 20.7	20.4
406654 2008 DR_{72}	17.4	X	137.29158	104.26967	341.76512	6.84497	0.1167063	0.23707293	2.5855210	21	4 25.3	21.3
406655 2008 DX_{74}	16.9	X	164.47930	234.26945	129.38895	6.83035	0.0424674	0.22360841	2.6882973	21	2 7.9	20.5
406656 2008 DZ_{77}	17.1	X	1.53407	155.23786	11.31701	5.29827	0.0511110	0.22267416	2.6958114	21	1 31.8	20.5
406657 2008 DF_{78}	17.2	X	141.18609	256.59880	116.80530	6.70431	0.0875234	0.22123070	2.7075249	21	1 29.6	20.9
406658 2008 DD_{89}	17.1	X	127.04539	248.16324	223.41503	8.20323	0.1204571	0.23921288	2.5700783	21	5 20.8	20.7
406659 2008 EE_{16}	16.8	X	162.68832	223.89344	186.39050	13.39285	0.1716526	0.23066259	2.6332046	21	4 15.3	21.1
406660 2008 EQ_{17}	15.8	X	209.92593	272.73677	350.47337	14.35067	0.1305083	0.20299831	2.8673086	21	—	—
406661 2008 EB_{20}	17.0	X	81.36622	273.54577	187.44250	12.71470	0.1333158	0.22567054	2.6718955	21	3 8.7	20.2
406662 2008 EG_{22}	17.3	X	75.99795	141.32595	9.49949	13.41807	0.1931488	0.23596207	2.5936294	21	5 13.6	20.7
406663 2008 EC_{26}	16.8	X	156.52948	215.60923	151.63011	6.37958	0.0301499	0.22564010	2.6721358	21	1 31.2	20.5
406664 2008 EA_{46}	16.9	X	116.59362	161.06964	295.22685	5.07973	0.1417982	0.23065435	2.6332673	21	4 18.7	20.6
406665 2008 ES_{47}	16.5	X	255.79026	219.36679	34.37582	12.77567	0.0638864	0.21155636	2.7894505	21	1 9.7	20.8
406666 2008 EZ_{50}	16.2	X	176.58878	244.55359	354.86873	16.21452	0.1724224	0.19275824	2.9679785	21	12 9.2	21.4
406667 2008 EQ_{56}	17.0	X	315.03602	37.18142	144.40040	3.12633	0.1324366	0.21369795	2.7707827	21	—	—
406668 2008 EL_{57}	16.9	X	81.58341	323.15426	161.25569	13.75727	0.2054970	0.23074724	2.6325606	21	4 26.6	20.4
406669 2008 EM_{60}	16.8	X	17.52250	166.64625	349.44766	12.79880	0.0318862	0.22161262	2.7044133	21	2 12.7	20.4
406670 2008 EZ_{60}	17.6	X	182.68706	244.47384	191.95130	12.71463	0.1689200	0.24176825	2.5519366	21	6 4.5	22.0
406671 2008 EK_{75}	17.0	X	294.92109	203.55148	29.23072	5.78018	0.0446446	0.21833625	2.7314011	21	1 30.3	20.8
406672 2008 ET_{87}	16.1	X	299.60647	160.24271	63.47380	9.68596	0.1387073	0.21473587	2.7618472	21	1 11.7	20.2
406673 2008 ES_{90}	17.1	X	111.50881	331.21221	151.40025	6.96098	0.1005815	0.23739300	2.5831965	21	5 15.9	20.7
406674 2008 EY_{95}	16.5	X	115.74827	15.03967	22.56946	12.39752	0.1309455	0.22164750	2.7041295	21	2 9.2	20.4
406675 2008 EG_{99}	16.2	X	34.43157	200.86241	314.70875	12.65804	0.1756033	0.22669809	2.6638155	21	3 1.8	18.9
406676 2008 EJ_{102}	16.2	X	321.83274	140.60609	14.44490	10.40322	0.0443779	0.21219602	2.7838419	21	—	—
406677 2008 EO_{110}	16.9	X	258.68463	106.86278	149.25641	11.69191	0.1573391	0.21904819	2.7254796	21	1 5.6	21.4
406678 2008 EB_{111}	16.9	X	245.91314	206.59525	51.62093	6.72197	0.1578740	0.21200195	2.7855405	21	—	—
406679 2008 EJ_{113}	17.2	X	127.22804	162.72594	315.29673	9.93806	0.2137787	0.24128202	2.5553638	21	6 7.1	21.3
406680 2008 ES_{113}	17.2	X	197.86037	48.27442	343.22919	10.74833	0.1409721	0.23655157	2.5893186	21	4 17.5	21.4
406681 2008 ES_{115}	17.0	X	47.97939	76.49546	5.33365	5.12270	0.0611069	0.21285743	2.7780721	21	—	—
406682 2008 EJ_{118}	18.5	X	172.22148	266.95406	162.58241	23.34132	0.0876821	0.38891969	1.8587862	21	5 8.9	21.2
406683 2008 ES_{125}	16.9	X	148.51127	114.79306	322.68689	12.04801	0.2208419	0.23977771	2.5660405	21	5 2.5	21.4
406684 2008 EL_{140}	17.8	X	122.74806	104.55755	8.05707	3.07551	0.1780421	0.23938608	2.5688384	21	5 22.8	21.6
406685 2008 EP_{147}	17.6	X	73.39650	322.03094	164.59412	2.21511	0.1469169	0.22901167	2.6458445	21	4 4.1	20.7
406686 2008 EN_{150}	17.2	X	316.64069	213.66930	324.37721	1.90756	0.0194114	0.21123155	2.7923093	21	—	—
406687 2008 EQ_{154}	16.6	X	246.50150	311.59667	14.02894	22.14910	0.0204929	0.22843093	2.6503269	21	3 30.6	20.1
406688 2008 EA_{157}	17.4	X	47.39487	307.79960	170.09863	4.18437	0.0420876	0.21947781	2.7219217	21	1 31.9	20.9
406689 2008 ES_{157}	17.0	X	220.15590	112.21612	177.23352	4.26100	0.0279373	0.21414519	2.7669236	21	1 11.9	21.0
406690 2008 EE_{158}	18.5	X	124.80657	55.00320	17.90449	20.68693	0.0996921	0.37281161	1.9119496	21	3 13.8	20.5
406691 2008 EL_{166}	16.6	X	53.12965	63.84769	89.29261	9.88471	0.1572010	0.22965271	2.6409185	21	4 13.2	19.6
406692 2008 EL_{167}	16.8	X	95.04720	34.27393	135.40039	11.74575	0.1097575	0.23952667	2.5678331	21	6 27.2	20.3
406693 2008 FJ_{2}	17.1	X	299.70987	57.29714	184.87897	12.52592	0.0960998	0.22241094	2.6979379	21	2 4.3	21.1
406694 2008 FX_{4}	17.3	X	108.47833	54.17069	9.43333	6.39584	0.0247394	0.21980002	2.7192610	21	2 14.6	21.0
406695 2008 FE_{6}	16.2	X	68.49749	250.26399	247.29950	10.99922	0.1274633	0.23046887	2.6346799	21	4 3.4	19.5
406696 2008 FA_{8}	17.5	X	121.98543	265.60580	176.95278	4.17389	0.0760838	0.23104853	2.6302715	21	4 1.3	21.0
406697 2008 FM_{10}	17.2	X	254.14359	72.05507	189.54174	4.64342	0.0678099	0.21848860	2.7301312	21	1 13.2	21.3
406698 2008 FQ_{13}	17.0	X	238.63692	316.71016	348.07145	5.01660	0.0503098	0.22174851	2.7033083	21	2 20.3	20.8
406699 2008 FD_{18}	17.2	X	119.83632	310.19122	177.20143	14.70594	0.1847970	0.24038590	2.5617106	21	6 10.6	21.3
406700 2008 FQ_{20}	17.0	X	102.34230	346.83500	121.88489	6.08610	0.0919441	0.22807991	2.6530455	21	4 15.6	20.6
406701 2008 FL_{22}	16.6	X	180.25203	250.84631	88.96211	5.32016	0.0738670	0.21411159	2.7672131	21	2 1.2	20.7
406702 2008 FC_{23}	16.6	X	347.84066	87.87482	100.82035	5.34421	0.0326053	0.21873604	2.7280720	21	2 12.7	20.2
406703 2008 FJ_{23}	16.9	X	164.57259	310.35549	77.13830	6.29524	0.0266330	0.22186474	2.7023640	21	3 11.8	20.7
406704 2008 FZ_{23}	16.5	X	345.13942	174.66850	36.01521	15.09745	0.0666808	0.22218560	2.6997618	21	3 11.6	20.1
406705 2008 FZ_{37}	16.7	X	127.65977	254.26067	181.61104	12.51697	0.0968670	0.22611466	2.6683957	21	4 3.4	20.4
406706 2008 FM_{39}	16.9	X	337.64494	127.95323	30.04820	12.45999	0.0763861	0.21136260	2.7911550	21	—	—
406707 2008 FO_{39}	17.0	X	351.43481	91.68406	35.31740	8.22281	0.1063468	0.20901248	2.8120383	21	—	—
406708 2008 FF_{42}	16.4	X	340.54356	207.44808	358.18116	12.78154	0.1039774	0.22282373	2.6946048	21	2 17.6	19.8
406709 2008 FG_{46}	17.3	X	96.70353	312.41013	171.29965	10.85111	0.0772354	0.23304002	2.6152651	21	4 25.0	20.8
406710 2008 FG_{57}	17.0	X	345.58936	132.99378	45.76811	1.67177	0.1156846	0.21561672	2.7543202	21	1 17.2	20.2
406711 2008 FU_{61}	16.1	X	313.05186	216.98499	18.02583	14.77155	0.1446375	0.22051280	2.7133981	21	2 14.7	20.0
406712 2008 FQ_{78}	17.2	X	143.91007	28.47484	227.97960	1.55477	0.2260865	0.18736732	3.0246385	21	12 3.8	22.3
406713 2008 FB_{103}	16.6	X	232.99616	249.20619	179.38257	9.65591	0.0640768	0.24235640	2.5478062	21	7 21.1	20.3
406714 2008 FA_{111}	16.6	X	163.43717	350.47578	357.67759	4.78217	0.0901029	0.20885867	2.8134187	21	1 26.8	20.7
406715 2008 FA_{119}	17.1	X	219.56985	235.10306	62.32023	4.94863	0.0814641	0.21368147	2.7709252	21	1 22.3	21.3
406716 2008 FX_{122}	16.9	X	326.45190	22.26856	127.04709	5.94530	0.0379924	0.20551643	2.8438391	21	—	—
406717 2008 FB_{137}	17.0	X	60.74614	327.49186	158.17841	6.10410	0.1045286	0.21906722	2.7253217	21	3 9.4	20.0
406718 2008 GT_{14}	17.6	X	127.31629	83.55870	24.84104	6.88380	0.0891346	0.23450469	2.6043641	21	5 11.5	21.3
406719 2008 GC_{16}	17.6	X	80.78276	21.10807	98.46096	0.79228	0.0765870	0.22561838	2.6723073	21	3 26.6	21.0
406720 2008 GC_{22}	17.0	X	241.33514	283.34303	37.96278	5.55113	0.0953859	0.22777891	2.6553822	21	3 13.6	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406721 2008 GE_{24}	17.0	X	201.30567	86.98027	176.94951	10.90165	0.0914404	0.20250042	2.8720066	21	—	—
406722 2008 GZ_{29}	17.3	X	137.37062	224.51737	187.92900	3.36689	0.0776005	0.22391033	2.6858802	21	3 12.4	21.1
406723 2008 GU_{33}	17.3	X	250.99571	269.16792	15.56344	4.42717	0.0160111	0.21925749	2.7237448	21	2 13.7	21.1
406724 2008 GE_{41}	16.6	X	116.94428	265.59267	120.24652	5.31174	0.1162855	0.20892286	2.8128425	21	1 22.0	20.4
406725 2008 GE_{47}	16.5	X	158.69491	161.82482	72.44019	13.75126	0.1908331	0.18349935	3.0669947	21	11 20.8	21.8
406726 2008 GN_{55}	17.0	X	146.04069	267.52980	157.21530	3.17392	0.0732641	0.22695025	2.6618420	21	4 7.9	20.7
406727 2008 GS_{58}	16.9	X	167.07780	342.16920	23.63250	6.49319	0.0363374	0.21799742	2.7342307	21	2 16.4	20.8
406728 2008 GE_{75}	17.0	X	216.54382	208.01684	54.08630	11.81643	0.1678730	0.20170236	2.8795772	21	—	—
406729 2008 GM_{78}	16.5	X	177.74882	217.09963	154.42901	7.02621	0.0833540	0.21674450	2.7447576	21	3 9.0	20.5
406730 2008 GP_{87}	16.7	X	49.00202	319.85145	183.43909	10.73958	0.1387803	0.22462821	2.6801547	21	3 14.8	19.6
406731 2008 GV_{87}	16.4	X	63.62026	321.63204	168.94702	13.56599	0.1986521	0.22619274	2.6677816	21	4 3.1	19.2
406732 2008 GS_{101}	13.7	X	334.74666	237.47118	46.56743	30.34143	0.0547325	0.08222449	5.2376352	21	5 28.6	20.5
406733 2008 GK_{106}	16.6	X	234.70724	251.24733	27.46780	12.85215	0.0882868	0.20994853	2.8036739	21	1 17.8	21.1
406734 2008 GE_{114}	17.1	X	228.47960	28.67308	238.45344	2.81820	0.0576680	0.20848709	2.8167606	21	—	—
406735 2008 GB_{129}	16.6	X	63.51042	122.08092	161.95295	12.19590	0.1475598	0.17248614	3.1961948	21	10 18.7	21.2
406736 2008 GA_{142}	16.4	X	255.48547	56.93635	176.04744	12.04514	0.1376641	0.21260235	2.7802937	21	—	—
406737 2008 HP_{2}	16.8	X	295.63569	86.95160	152.57679	9.68188	0.0971849	0.21541161	2.7560683	21	1 30.0	20.7
406738 2008 HU_{2}	15.2	X	82.47212	58.20599	222.21736	26.14804	0.2287399	0.17576283	3.1563467	21	11 11.1	20.2
406739 2008 HQ_{4}	16.3	X	105.23328	55.36305	22.94611	22.33658	0.0374081	0.22457656	2.6805656	21	3 10.9	20.2
406740 2008 HY_{4}	16.9	X	64.18484	269.40892	187.64232	6.10130	0.0394082	0.21617604	2.7495673	21	1 28.3	20.5
406741 2008 HV_{24}	16.8	X	154.36070	215.32365	151.60278	4.54502	0.1128973	0.21198442	2.7856940	21	2 8.9	20.9
406742 2008 HB_{26}	16.6	X	129.00757	122.86608	188.10266	8.52507	0.1313179	0.18980072	2.9987308	21	—	—
406743 2008 HZ_{36}	17.1	X	206.52934	256.31608	167.81482	4.71796	0.0669222	0.23559922	2.5962917	21	6 14.6	20.9
406744 2008 HW_{60}	15.8	X	106.05999	25.73314	217.22839	16.55380	0.1750586	0.17730247	3.1380476	21	10 13.8	20.8
406745 2008 HU_{66}	16.1	X	124.86256	213.90148	78.08629	3.79928	0.3167108	0.18215234	3.0820964	21	12 31.5	21.8
406746 2008 HV_{67}	16.4	X	194.68252	179.69368	134.59130	11.64161	0.1124667	0.20339561	2.8635734	21	1 18.5	20.8
406747 2008 HV_{69}	17.1	X	149.62012	188.87713	113.34453	2.45614	0.1337625	0.19188379	2.9769887	21	—	—
406748 2008 JA_{4}	17.0	X	268.49556	71.09070	147.83759	12.54011	0.0870630	0.20332391	2.8642467	21	—	—
406749 2008 JJ_{10}	16.9	X	121.52134	171.14057	104.97819	1.74116	0.1731037	0.18163979	3.0878917	21	12 6.5	21.9
406750 2008 JU_{12}	15.5	X	298.20866	313.35609	92.99874	16.85293	0.0594833	0.17188746	3.2036121	21	9 23.1	20.2
406751 2008 JN_{13}	16.4	X	54.88260	287.94041	93.49725	11.64380	0.1241626	0.19178443	2.9780169	21	—	—
406752 2008 JD_{22}	16.3	X	197.74408	172.17841	68.65580	15.25160	0.0821149	0.19273343	2.9682332	21	—	—
406753 2008 JN_{27}	16.7	X	105.20053	111.14743	153.54424	5.70867	0.2633843	0.17615709	3.1516354	21	11 16.5	22.1
406754 2008 JY_{27}	17.2	X	99.92400	266.98396	177.99643	6.34979	0.0300717	0.21571783	2.7534595	21	3 1.1	20.9
406755 2008 JQ_{29}	16.2	X	98.01030	150.77621	134.63267	10.56342	0.1720204	0.17667903	3.1454253	21	11 28.1	21.3
406756 2008 JN_{30}	16.6	X	102.97484	241.06545	122.44580	11.28635	0.0601686	0.19661044	2.9290830	21	—	—
406757 2008 JP_{34}	16.2	X	169.80749	78.20256	193.49883	13.15703	0.0813800	0.19129613	2.9830825	21	—	—
406758 2008 JW_{39}	16.4	X	93.83354	233.06656	80.59741	10.89253	0.0849374	0.18270734	3.0758516	21	12 17.2	20.9
406759 2008 JR_{40}	16.7	X	130.63544	80.79100	200.16323	5.65191	0.1428849	0.18419615	3.0592551	21	12 18.8	21.7
406760 2008 KD_{1}	16.0	X	82.45709	235.68528	97.45217	11.76162	0.2058175	0.18122255	3.0926294	21	—	—
406761 2008 KB_{7}	16.1	X	93.79214	180.18513	122.93348	12.85830	0.0933829	0.18045259	3.1014204	21	12 7.5	20.9
406762 2008 KJ_{9}	17.0	X	115.91820	208.54305	91.28631	3.14711	0.2215600	0.18295709	3.0730519	21	12 30.9	22.3
406763 2008 KX_{9}	16.7	X	185.69948	5.65260	226.24024	11.01038	0.1846267	0.18809001	3.0168860	21	12 9.2	21.8
406764 2008 KB_{14}	16.2	X	150.83816	195.84586	120.07243	13.01769	0.0423642	0.19742597	2.9210111	21	—	—
406765 2008 KD_{15}	16.7	X	152.56272	229.73517	68.04343	3.83794	0.2081705	0.19118214	2.9842681	21	—	—
406766 2008 KZ_{30}	16.2	X	99.48981	247.36171	94.34071	15.32211	0.1818452	0.18788349	3.0190963	21	—	—
406767 2008 KS_{42}	16.2	X	98.92377	258.70615	121.31240	10.77735	0.1240241	0.19715326	2.9237041	21	—	—
406768 2008 LH_{5}	15.5	X	352.52295	310.89444	116.36840	16.75046	0.0598052	0.17741703	3.1366966	21	12 26.2	19.7
406769 2008 LL_{8}	16.2	X	198.64210	113.56278	128.51709	10.68333	0.0622551	0.19277517	2.9678047	21	—	—
406770 2008 OJ	15.2	X	112.87575	0.99794	314.53262	29.09183	0.2206260	0.17630935	3.1498206	21	—	—
406771 2008 OH_{21}	15.9	X	61.77639	190.73150	185.81968	15.28474	0.2500218	0.17177137	3.2050553	21	—	—
406772 2008 OM_{21}	16.3	X	119.98593	166.00358	155.47474	11.81137	0.1619933	0.17560771	3.1582051	21	—	—
406773 2008 OM_{22}	15.7	X	35.91633	266.08153	144.56742	25.25495	0.3328387	0.17291059	3.1909622	21	—	—
406774 2008 PO_{1}	16.4	X	96.90784	176.85440	152.47022	17.33300	0.2434839	0.17275492	3.1928789	21	—	—
406775 2008 PB_{2}	15.3	X	96.61523	207.41260	139.58634	28.72768	0.1745742	0.17508853	3.1644453	21	—	—
406776 2008 PB_{21}	15.2	X	58.50135	21.71237	354.75735	28.33417	0.2057299	0.17239474	3.1973244	21	—	—
406777 2008 QP_{29}	16.1	X	61.73874	223.00216	134.94706	4.99477	0.1388367	0.16978320	3.2300276	21	—	—
406778 2008 QZ_{47}	16.1	X	57.83370	55.09927	341.20265	15.14480	0.2245265	0.17278749	3.1924776	21	—	—
406779 2008 QC_{48}	16.0	X	141.89202	121.20974	192.08724	17.07557	0.1916484	0.17865070	3.1222396	21	—	—
406780 2008 RN_{11}	15.4	X	99.83065	98.75015	165.30583	10.36798	0.0286167	0.15590381	3.4189932	21	10 18.8	20.4
406781 2008 RN_{16}	16.2	X	352.21982	321.25210	202.12376	9.78894	0.0540615	0.18665032	3.0323795	21	1 18.5	20.4
406782 2008 RT_{27}	15.2	X	85.57484	38.93270	322.46970	16.05056	0.2293094	0.17623018	3.1507639	21	—	—
406783 2008 RC_{71}	16.0	X	124.65327	318.44730	329.12716	16.19379	0.1368788	0.17292181	3.1908242	21	12 20.1	21.4
406784 2008 RV_{74}	16.1	X	117.62079	182.48720	158.71047	11.49759	0.2116686	0.17741660	3.1367017	21	—	—
406785 2008 RZ_{76}	15.7	X	16.39184	56.01443	11.52401	10.51816	0.0849061	0.17105519	3.2139951	21	—	—
406786 2008 RN_{82}	15.9	X	25.23839	247.11523	169.68179	26.13802	0.1822894	0.17119864	3.2121996	21	—	—
406787 2008 RH_{109}	16.2	X	21.12053	234.48837	181.42761	3.97052	0.1336570	0.16929184	3.2362746	21	—	—
406788 2008 RT_{138}	15.6	X	74.27337	337.12149	32.68612	11.31939	0.1543130	0.17082563	3.2168738	21	—	—
406789 2008 SF_{14}	16.3	X	174.97222	106.37877	158.56014	25.87627	0.2383171	0.18113008	3.0936820	21	—	—
406790 2008 SG_{89}	15.5	X	346.88558	273.01795	174.20119	16.61291	0.1163694	0.17149526	3.2084945	21	—	—
406791 2008 SF_{90}	19.1	X	22.80590	128.37859	257.97008	1.84147	0.1366779	0.31601133	2.1346874	21	—	—
406792 2008 SN_{143}	18.6	X	1.88517	208.98805	187.37978	5.28359	0.1996522	0.31068306	2.1590250	21	—	—
406793 2008 SG_{258}	15.5	X	281.53391	356.33872	213.81833	29.02892	0.1463761	0.17587793	3.1549694	21	—	—
406794 2008 TR_{65}	16.0	X	67.99067	179.40452	224.32654	4.44571	0.1644360	0.17369896	3.1812996	21	—	—
406795 2008 TS_{67}	18.3	X	55.37972	204.96372	167.18906	3.48587	0.1378451	0.31899777	2.1213433	21	—	—
406796 2008 TH_{103}	16.0	X	288.31572	242.93248	195.81513	12.14915	0.0385331	0.15073590	3.4966990	21	10 11.7	20.9
406797 2008 TG_{141}	16.0	X	273.72648	84.91371	13.95498	6.66214	0.0257953	0.15433315	3.4421508	21	10 18.9	20.9
406798 2008 TG_{184}	15.8	X	116.48158	100.07093	303.94011	16.24195	0.1505292	0.18413667	3.0599138	21	2 16.9	20.3
406799 2008 UQ_{8}	16.1	X	75.33182	186.27803	212.46769	9.17096	0.0825021	0.17615293	3.1516849	21	—	—
406800 2008 US_{24}	16.4	X	9.06259	206.33657	162.83674	1.73787	0.0714372	0.15233642	3.4721638	21	11 3.9	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406801 2008 UX_{28}	18.5	X	42.63200	167.61665	196.26461	3.60426	0.1311136	0.31376319	2.1448720	21	—	—
406802 2008 UM_{46}	17.7	X	19.67995	62.92785	251.72647	5.41829	0.2333462	0.30067044	2.2066946	21	10 25.8	19.6
406803 2008 UX_{64}	16.4	X	12.96076	182.52904	239.04917	8.84344	0.4970437	0.16372855	3.3091753	21	—	—
406804 2008 UY_{66}	18.5	X	272.83875	78.08088	7.74213	5.00957	0.1149482	0.29883221	2.2157348	21	10 8.1	20.7
406805 2008 UJ_{116}	18.0	X	248.12964	212.06136	284.80755	5.03115	0.1120096	0.30372538	2.1918727	21	11 13.9	20.3
406806 2008 UB_{120}	17.5	X	27.33984	110.71002	274.36870	6.92149	0.0706021	0.31297268	2.1484822	21	—	—
406807 2008 UM_{133}	18.3	X	300.35471	193.99835	258.79343	0.73985	0.0905589	0.30715475	2.1755274	21	12 12.5	19.9
406808 2008 UN_{186}	16.3	X	173.31237	354.10513	25.24522	9.27907	0.0751261	0.18900011	3.0071933	21	3 18.8	20.8
406809 2008 UM_{209}	18.0	X	83.01590	214.42974	25.06965	5.22753	0.1200765	0.29567338	2.2314881	21	9 22.9	20.9
406810 2008 UK_{239}	17.8	X	95.47609	248.11097	332.93375	6.39407	0.0815637	0.29067610	2.2569910	21	9 4.8	20.5
406811 2008 UA_{304}	15.8	X	358.12824	49.74393	358.30096	12.91736	0.1954659	0.15781048	3.3913985	21	12 14.6	19.9
406812 2008 UD_{323}	17.9	X	112.41056	358.37855	237.74440	6.22201	0.0508052	0.29902478	2.2147834	21	10 14.3	20.6
406813 2008 VA_{57}	19.9	X	85.75077	230.30288	129.94232	2.29790	0.2993539	0.32422762	2.0984697	21	—	—
406814 2008 WN_{29}	18.8	X	54.95883	356.57708	19.39552	3.21038	0.1522471	0.31590050	2.1351866	21	—	—
406815 2008 WA_{69}	18.0	X	43.13255	268.72534	93.04816	4.50275	0.1466787	0.31073679	2.1587761	21	—	—
406816 2008 WE_{73}	17.9	X	188.39843	243.41904	271.45159	3.82849	0.1484487	0.28976623	2.2617132	21	9 19.3	21.3
406817 2008 WB_{105}	18.2	X	44.56324	284.21662	84.78205	2.82998	0.0301221	0.31012560	2.1616115	21	—	—
406818 2008 WN_{108}	17.8	X	340.43528	117.95449	321.44668	4.21332	0.1348534	0.31168294	2.1544051	21	—	—
406819 2008 WF_{140}	16.8	X	144.41641	225.94758	284.90456	6.50654	0.2033795	0.26900289	2.3766474	21	8 3.4	20.7
406820 2008 XF_{1}	15.1	X	96.50373	302.79008	40.86492	26.95207	0.2140924	0.17217407	3.2000558	21	—	—
406821 2008 XX_{34}	18.8	X	353.87672	83.28210	292.50114	3.74077	0.1666804	0.30273381	2.1966562	21	11 30.8	20.6
406822 2008 XQ_{51}	17.3	X	90.37803	235.79767	286.19802	8.12956	0.1522319	0.26410278	2.4059544	21	6 16.0	20.2
406823 2008 YN_{16}	17.6	X	27.92962	218.65606	100.78739	6.80329	0.1836862	0.29075417	2.2565870	21	11 9.4	20.0
406824 2008 YR_{16}	18.0	X	56.89074	106.88776	104.17148	2.71588	0.1241435	0.26687610	2.3892573	21	7 1.8	20.6
406825 2008 YR_{21}	17.7	X	63.84884	295.08106	285.98690	4.01375	0.0592029	0.27087721	2.3656713	21	7 17.1	20.3
406826 2008 YL_{62}	18.2	X	326.59262	248.90261	141.50980	4.34320	0.1445906	0.29358821	2.2420415	21	10 24.4	19.8
406827 2008 YN_{97}	18.2	X	213.62826	113.09213	359.14535	1.97765	0.0646724	0.28176704	2.3043189	21	8 30.1	21.1
406828 2008 YS_{101}	18.0	X	309.29015	151.42650	242.61846	1.59704	0.1248917	0.29021863	2.2593622	21	9 20.4	20.0
406829 2008 YX_{101}	17.8	X	88.42505	69.70128	135.55075	3.97316	0.1278165	0.27287610	2.3541044	21	8 10.4	20.8
406830 2008 YF_{116}	17.1	X	34.13792	348.74258	282.53084	6.34086	0.0970711	0.27882634	2.3204926	21	8 17.6	19.5
406831 2008 YA_{117}	18.0	X	345.16920	257.97754	104.08137	6.23912	0.1193299	0.29122103	2.2541747	21	10 18.1	20.0
406832 2008 YS_{118}	17.8	X	52.55813	248.10125	308.37190	2.23818	0.2454421	0.25911313	2.4367433	21	6 23.3	20.1
406833 2008 YA_{130}	17.9	X	57.50191	228.83144	0.10044	1.29367	0.1378500	0.27300136	2.3533843	21	8 1.9	20.5
406834 2008 YE_{139}	17.6	X	88.18467	69.48226	116.10580	6.45444	0.0497040	0.27103387	2.3647596	21	6 29.9	20.4
406835 2008 YQ_{154}	17.7	X	40.45321	118.22967	89.67502	6.99779	0.0815822	0.26380524	2.4077632	21	5 24.5	20.3
406836 2008 YK_{155}	17.5	X	107.90152	257.32965	292.91676	5.81667	0.0739331	0.27400018	2.3476615	21	8 5.9	20.4
406837 2008 YE_{160}	18.3	X	257.92360	256.83633	185.79473	0.34174	0.1825221	0.28426206	2.2908155	21	8 28.7	21.1
406838 2009 AZ_{1}	17.6	X	269.90553	325.69327	117.66171	7.40004	0.2144723	0.29240643	2.2480783	21	9 14.9	20.1
406839 2009 AG_{14}	18.2	X	354.93679	271.69332	133.59214	5.07781	0.1442220	0.30360760	2.1924395	21	—	—
406840 2009 AU_{14}	17.7	X	353.19169	280.13404	308.86971	1.28862	0.1541670	0.25448925	2.4661705	21	3 25.3	20.2
406841 2009 AV_{31}	17.5	X	237.25771	203.03111	271.81936	3.42127	0.0745827	0.28855650	2.2680301	21	9 30.9	20.4
406842 2009 AN_{35}	17.8	X	8.38173	327.42468	270.72323	4.37037	0.1868885	0.26111218	2.4242903	21	5 7.9	19.6
406843 2009 AJ_{37}	18.0	X	151.82493	51.08289	127.66992	5.24952	0.0602114	0.28246006	2.3005483	21	9 16.6	21.0
406844 2009 AX_{43}	17.7	X	47.57481	307.48759	315.48098	6.35051	0.1136295	0.27564349	2.3383215	21	8 30.9	20.3
406845 2009 AC_{47}	17.6	X	69.35734	244.25484	306.79733	1.52707	0.1201867	0.26205144	2.4184940	21	6 21.7	20.4
406846 2009 BA_{5}	16.7	X	47.94973	293.42418	256.00204	8.05445	0.1577203	0.25712258	2.4493033	21	5 18.0	19.0
406847 2009 BC_{9}	17.8	X	197.69247	205.11031	266.61040	2.77536	0.1158947	0.27953578	2.3165648	21	8 4.6	21.0
406848 2009 BM_{24}	17.3	X	145.77390	208.57061	282.65007	5.85500	0.0947107	0.27006809	2.3703939	21	7 4.5	20.7
406849 2009 BH_{25}	17.2	X	302.58506	65.71715	162.16442	13.31606	0.2135384	0.23480809	2.6021202	21	1 5.5	21.4
406850 2009 BR_{31}	17.6	X	50.07548	117.42713	88.47215	3.19707	0.1592958	0.26178454	2.4201375	21	6 17.7	19.8
406851 2009 BD_{35}	18.0	X	277.30622	22.18849	43.35181	2.33089	0.1731393	0.28776236	2.2722009	21	9 4.7	20.2
406852 2009 BT_{35}	17.4	X	160.18152	5.39934	95.58462	5.49488	0.0590432	0.26673264	2.3901140	21	6 7.9	20.5
406853 2009 BQ_{63}	18.1	X	108.39712	240.84805	332.08390	6.43477	0.0812046	0.27740684	2.3284019	21	9 8.5	21.2
406854 2009 BW_{63}	17.8	X	124.39875	191.78122	336.40512	6.25169	0.0543332	0.27194602	2.3594688	21	7 27.3	20.8
406855 2009 BM_{74}	17.8	X	327.71563	176.12567	242.34754	7.22528	0.2165414	0.29908330	2.2144945	21	12 17.4	18.9
406856 2009 BM_{88}	17.7	X	347.45508	79.79267	160.76509	1.43077	0.1420793	0.25554102	2.4593989	21	4 3.3	20.2
406857 2009 BB_{96}	17.7	X	153.59248	35.41859	120.26987	2.71445	0.1509328	0.27424689	2.3462533	21	8 18.5	21.2
406858 2009 BQ_{100}	18.6	X	355.74316	237.89549	152.42578	2.86162	0.1527236	0.29834756	2.2181337	21	12 23.8	20.5
406859 2009 BH_{102}	18.1	X	141.71426	30.44548	111.48827	4.19243	0.0715595	0.26712975	2.3877446	21	7 12.6	21.4
406860 2009 BN_{112}	17.9	X	87.14539	169.52459	12.81958	2.13905	0.1295532	0.25947634	2.4344688	21	7 7.3	20.9
406861 2009 BP_{114}	17.7	X	222.92637	346.45103	109.14158	7.19546	0.0524951	0.27910919	2.3189246	21	8 21.5	20.7
406862 2009 BR_{115}	18.0	X	85.96364	127.65008	60.25965	2.29603	0.1191620	0.26824501	2.3811218	21	7 11.9	20.9
406863 2009 BF_{121}	18.2	X	94.76731	343.71388	201.86648	0.75958	0.1242051	0.26651298	2.3914270	21	7 20.8	21.3
406864 2009 BC_{126}	17.6	X	22.30382	212.94925	351.55704	1.08397	0.1243220	0.25465657	2.4650901	21	4 17.3	19.7
406865 2009 BB_{127}	17.7	X	10.41756	74.28735	151.27925	3.74843	0.1027936	0.25694701	2.4504189	21	4 28.5	20.1
406866 2009 BA_{133}	17.3	X	117.00703	81.60206	119.71403	8.03200	0.0896495	0.27763958	2.3271005	21	9 7.8	20.5
406867 2009 BY_{159}	17.6	X	100.09607	279.60104	299.67950	5.63853	0.0444286	0.27888093	2.3201898	21	8 31.9	20.6
406868 2009 BR_{169}	17.8	X	287.43170	261.53473	128.46966	3.73691	0.1169089	0.27820683	2.3239361	21	8 6.3	20.2
406869 2009 BU_{170}	17.8	X	90.03487	241.97996	306.30205	1.62219	0.1590837	0.26728350	2.3868289	21	7 23.9	21.0
406870 2009 BJ_{172}	17.8	X	78.05918	349.26676	174.06530	3.14901	0.1203373	0.25992570	2.4316621	21	5 26.3	20.6
406871 2009 BX_{172}	17.9	X	165.57351	109.66040	29.17818	2.44313	0.1676144	0.27357826	2.3500747	21	8 8.6	21.5
406872 2009 BL_{173}	17.7	X	12.02474	184.74937	27.76448	1.54234	0.1313104	0.25391238	2.4699043	21	4 9.5	19.9
406873 2009 BW_{179}	16.8	X	56.35334	130.03035	106.38908	7.77672	0.0878208	0.26753832	2.3853130	21	8 3.1	19.6
406874 2009 BG_{183}	17.6	X	356.29434	88.50399	149.20163	2.02243	0.1377543	0.25363835	2.4716830	21	4 17.3	19.8
406875 2009 CF_{2}	16.3	X	34.17715	149.56473	41.17085	13.01014	0.1574296	0.25445935	2.4663636	21	4 23.7	18.5
406876 2009 CZ_{11}	17.2	X	170.13809	201.43252	285.13334	5.75886	0.0649787	0.27219507	2.3580294	21	7 25.3	20.3
406877 2009 CJ_{29}	18.1	X	179.30989	88.65260	48.63681	2.09932	0.1154739	0.27586632	2.3370622	21	8 20.9	21.5
406878 2009 CG_{31}	16.3	X	234.53345	288.69412	344.74180	16.34289	0.2865522	0.22965900	2.6408703	21	1 3.7	21.4
406879 2009 CR_{32}	17.5	X	158.36929	10.42154	109.79364	2.25283	0.1346596	0.26759468	2.3849781	21	7 5.7	20.8
406880 2009 CF_{55}	17.9	X	89.16173	202.75890	329.98359	2.25328	0.1192038	0.26335576	2.4105020	21	6 24.4	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406881 2009 CB_{57}	17.4	X	116.98807	175.81823	350.89031	7.02516	0.0530817	0.26643819	2.3918745	21	7 15.3	20.5
406882 2009 CJ_{58}	18.1	X	244.59938	286.36723	168.18659	5.60994	0.1239694	0.28139365	2.3063569	21	9 5.6	20.9
406883 2009 CP_{58}	17.7	X	349.72542	236.59867	349.14578	3.63362	0.1840272	0.24510869	2.5286977	21	3 12.2	20.2
406884 2009 CC_{63}	17.3	X	185.87049	329.41894	172.89896	6.41471	0.0468561	0.27233792	2.3572047	21	9 5.5	20.3
406885 2009 CF_{65}	17.7	X	146.92495	34.85890	127.67108	6.28695	0.0843973	0.27186308	2.3599487	21	8 18.2	20.9
406886 2009 CH_{65}	17.2	X	45.24720	297.46004	275.43492	4.64070	0.1401654	0.26124203	2.4234869	21	6 16.4	19.4
406887 2009 DP_{13}	17.8	X	301.17193	351.41424	203.46551	5.19743	0.2766710	0.22992868	2.6388050	21	—	—
406888 2009 DQ_{16}	17.4	X	79.34660	49.66973	142.54248	8.65116	0.1524810	0.26322719	2.4112869	21	7 13.3	20.5
406889 2009 DV_{16}	17.2	X	243.52266	89.89081	334.64585	9.52818	0.2023722	0.27771410	2.3266842	21	7 16.3	20.6
406890 2009 DJ_{28}	17.9	X	201.95143	125.41617	342.30481	6.21986	0.0795125	0.27451303	2.3447367	21	8 8.4	21.1
406891 2009 DY_{49}	17.2	X	313.41215	288.93027	13.75908	6.61413	0.1188854	0.25380028	2.4706316	21	5 7.9	20.1
406892 2009 DA_{57}	17.0	X	275.46161	239.62351	27.07446	5.31686	0.1576048	0.23882860	2.5728344	21	2 2.3	20.9
406893 2009 DD_{59}	17.5	X	201.25917	84.43847	355.44218	12.28322	0.1905551	0.26961605	2.3730427	21	6 24.8	21.6
406894 2009 DP_{62}	17.7	X	285.58072	101.39892	350.30744	5.73274	0.1045949	0.29074424	2.2566384	21	11 5.9	20.0
406895 2009 DP_{73}	17.3	X	318.28086	64.54891	146.86059	13.77588	0.1975899	0.23573828	2.5952705	21	1 4.7	21.1
406896 2009 DX_{81}	17.5	X	205.52855	307.94588	147.45414	6.68909	0.0626841	0.26822246	2.3812553	21	7 25.5	20.6
406897 2009 DV_{82}	18.0	X	154.07800	74.26434	44.17119	2.68750	0.1346610	0.26327414	2.4110002	21	6 29.0	21.6
406898 2009 DB_{87}	17.6	X	199.79790	119.84444	332.93585	5.05879	0.1818419	0.27110345	2.3643550	21	7 10.9	21.4
406899 2009 DK_{89}	17.2	X	259.93459	304.40326	138.77923	6.37285	0.0901273	0.27809618	2.3245525	21	9 18.1	19.9
406900 2009 DR_{105}	17.9	X	153.64468	329.35952	180.95666	4.29145	0.1673399	0.26944927	2.3740218	21	8 10.1	21.7
406901 2009 DH_{115}	17.4	X	250.76434	281.28046	150.29047	5.35859	0.1217511	0.27878546	2.3207194	21	8 12.1	20.4
406902 2009 DB_{121}	18.6	X	262.22499	145.40776	308.61672	1.92323	0.1707895	0.28509414	2.2863560	21	9 21.4	21.3
406903 2009 DH_{124}	18.0	X	68.85725	53.01174	139.91095	3.07697	0.1205983	0.25852586	2.4404321	21	6 23.8	20.9
406904 2009 DW_{124}	16.8	X	297.86296	233.60866	358.59006	12.22602	0.1368597	0.23573177	2.5953183	21	1 18.9	20.7
406905 2009 DV_{130}	17.2	X	39.35156	198.21597	33.49836	3.32121	0.1562123	0.25688329	2.4508241	21	7 7.7	19.5
406906 2009 DZ_{131}	18.0	X	23.70650	12.54318	196.02577	5.15287	0.1052667	0.25139518	2.4863643	21	4 27.5	20.4
406907 2009 DH_{136}	16.2	X	305.62826	198.93534	75.39454	14.55248	0.1483364	0.23755480	2.5820234	21	3 26.4	19.9
406908 2009 DY_{136}	17.5	X	142.41891	201.18308	283.46586	4.23668	0.1168245	0.26515224	2.3996018	21	6 23.4	21.0
406909 2009 EQ_{4}	16.8	X	299.81251	206.24569	352.45456	13.68065	0.1944644	0.23050617	2.6343957	21	—	—
406910 2009 EB_{13}	17.7	X	75.46732	333.16142	188.16957	6.20181	0.0961565	0.25589057	2.4571586	21	5 16.3	20.6
406911 2009 EE_{21}	17.2	X	211.77009	62.08030	68.89194	7.19726	0.0677245	0.27969034	2.3157113	21	9 26.2	20.3
406912 2009 EX_{24}	17.8	X	79.98712	207.69516	344.50435	2.52773	0.1355491	0.26100264	2.4249686	21	7 12.5	20.8
406913 2009 EF_{28}	17.5	X	94.22923	37.43356	114.85682	3.35382	0.1306906	0.25351344	2.4724948	21	6 4.8	20.7
406914 2009 FM_{6}	18.5	X	248.10848	85.02255	359.62808	5.79966	0.1265312	0.28113968	2.3077457	21	8 28.6	21.4
406915 2009 FL_{7}	17.1	X	316.01388	199.37033	64.89103	3.91378	0.1376294	0.24585979	2.5235449	21	3 20.9	20.2
406916 2009 FC_{12}	17.7	X	293.18096	250.74840	152.25960	6.94285	0.0953781	0.27950542	2.3167325	21	9 9.2	20.1
406917 2009 FB_{16}	17.5	X	283.35384	4.68414	49.71572	7.88076	0.0935287	0.27504025	2.3417393	21	9 13.7	20.2
406918 2009 FG_{29}	16.2	X	207.38914	81.60039	164.65170	31.47244	0.1358981	0.21809270	2.7334342	21	—	—
406919 2009 FW_{29}	18.2	X	220.53166	288.25725	183.41937	5.97676	0.1886002	0.27758358	2.3274134	21	8 22.6	21.8
406920 2009 FJ_{31}	17.2	X	111.31906	158.71956	28.26862	6.07348	0.1294312	0.26526915	2.3988967	21	8 15.8	20.6
406921 2009 FU_{42}	16.7	X	263.27145	303.29601	61.12383	7.63839	0.1437425	0.25712849	2.4492658	21	5 23.1	20.1
406922 2009 FN_{45}	17.9	X	210.30271	123.80055	1.38690	5.84020	0.1646604	0.27764114	2.3270917	21	9 3.9	21.2
406923 2009 FP_{49}	17.4	X	12.20955	86.86578	149.46123	6.56394	0.0961132	0.25411565	2.4685870	21	5 19.3	20.0
406924 2009 FR_{56}	16.7	X	9.50627	216.24269	310.51379	26.78287	0.1650950	0.24074044	2.5591949	21	1 28.0	19.1
406925 2009 FU_{63}	17.6	X	328.44683	42.65300	151.38061	4.16370	0.1490028	0.23296578	2.6158206	21	1 3.1	21.1
406926 2009 FC_{66}	16.7	X	276.88218	20.65494	353.98836	24.98077	0.2386900	0.26793167	2.3829779	21	6 3.4	20.7
406927 2009 GE_{1}	16.4	X	286.59171	8.99751	220.20608	13.46651	0.2042970	0.22559018	2.6725300	21	—	—
406928 2009 GL_{6}	17.5	X	185.26919	250.02865	212.35308	4.25756	0.1358276	0.26143112	2.4223182	21	7 8.9	21.2
406929 2009 HS_{11}	16.6	X	287.93340	223.68770	64.00794	14.98271	0.0751296	0.23879997	2.5730400	21	3 31.6	20.3
406930 2009 HG_{14}	16.9	X	337.95285	152.17281	85.71891	4.32122	0.1776098	0.24123437	2.5557003	21	3 13.1	19.7
406931 2009 HT_{20}	17.2	X	265.33861	117.86440	103.69518	4.16403	0.2601201	0.22128506	2.7070815	21	—	—
406932 2009 HZ_{22}	17.6	X	253.10270	162.92817	156.64813	6.71585	0.0367017	0.24148683	2.5539188	21	3 27.6	21.0
406933 2009 HZ_{27}	17.6	X	48.28814	186.46735	16.44280	0.52317	0.1496755	0.25185346	2.4833472	21	6 8.4	20.0
406934 2009 HO_{40}	16.9	X	283.05956	207.71279	152.56842	7.27317	0.0923503	0.26105396	2.4246507	21	6 20.7	20.0
406935 2009 HV_{56}	17.2	X	355.11416	218.37219	78.70531	5.98337	0.1111766	0.25699429	2.4501184	21	7 18.5	19.5
406936 2009 HC_{66}	17.0	X	179.86303	16.22458	93.24577	7.37647	0.0669662	0.25768447	2.4457415	21	7 14.2	20.5
406937 2009 HD_{68}	17.4	X	281.13296	85.42928	183.76141	3.81464	0.1822592	0.23290150	2.6163019	21	2 6.5	21.3
406938 2009 HD_{74}	16.5	X	254.13352	201.09894	96.62675	16.14639	0.2881801	0.23081117	2.6320744	21	2 14.1	21.3
406939 2009 HO_{74}	16.8	X	268.33952	284.88936	282.16052	11.10873	0.3460350	0.22372146	2.6873916	21	—	—
406940 2009 HZ_{77}	16.6	X	261.88075	161.24924	103.73380	7.91073	0.1602041	0.22961702	2.6411922	21	1 17.8	20.6
406941 2009 HA_{89}	17.2	X	250.92685	247.86330	57.90643	3.78909	0.0601385	0.23260920	2.6184932	21	3 6.4	21.0
406942 2009 HC_{96}	16.6	X	330.42741	116.16059	117.81627	8.45789	0.1504262	0.23681663	2.5873861	21	2 28.9	19.7
406943 2009 HO_{96}	17.1	X	180.82828	224.76889	97.67598	7.31441	0.1549412	0.21901373	2.7257655	21	1 15.5	21.5
406944 2009 HC_{105}	16.8	X	85.67559	31.53722	67.99421	14.35020	0.1375876	0.23582427	2.5946396	21	3 22.8	20.3
406945 2009 HC_{106}	16.4	X	277.23700	173.89308	91.70000	7.49481	0.1812661	0.23072032	2.6327654	21	2 1.1	20.5
406946 2009 JW_{4}	16.6	X	2.97321	33.77950	136.94977	14.31379	0.0916958	0.23480804	2.6021205	21	1 30.5	19.6
406947 2009 JP_{5}	16.5	X	325.64134	237.15436	96.65604	16.84835	0.2064613	0.25448829	2.4661766	21	7 4.6	18.8
406948 2009 JA_{6}	16.4	X	303.65615	154.92353	86.13005	15.74378	0.1142867	0.23241749	2.6199330	21	2 10.0	20.2
406949 2009 JH_{6}	17.0	X	239.84718	128.38306	158.20807	8.39760	0.0637168	0.22701775	2.6613144	21	1 26.7	20.8
406950 2009 JQ_{8}	16.9	X	6.09214	50.35345	122.13793	6.78141	0.1982757	0.23553665	2.5967514	21	1 26.2	19.1
406951 2009 JP_{12}	16.8	X	295.93767	208.65750	59.28849	12.64512	0.1525504	0.23545605	2.5973440	21	3 4.1	20.7
406952 2009 KJ	17.2	X	314.52642	67.11417	12.49533	32.95792	0.7173278	0.71295068	1.2409751	21	—	—
406953 2009 KJ_{17}	17.7	X	301.96968	42.90386	183.24158	5.11853	0.1960332	0.22931963	2.6434751	21	1 5.8	21.8
406954 2009 MY_{5}	16.9	X	268.51935	144.63266	114.99188	14.35303	0.2293022	0.22600562	2.6692539	21	1 12.7	21.4
406955 2009 NA_{1}	16.9	X	160.83062	197.59712	168.22482	8.72386	0.1973066	0.21251092	2.7810911	21	2 20.2	21.4
406956 2009 NN_{2}	16.2	X	231.31874	25.30500	300.69640	9.97056	0.0905758	0.22130812	2.7068933	21	3 3.4	20.5
406957 Kochetova	16.0	X	166.39790	185.76852	208.16377	8.81807	0.1638880	0.21235506	2.7824518	21	3 28.1	20.4
406958 2009 OJ_{14}	17.7	X	105.54427	234.52984	161.59544	23.28464	0.0882611	0.37026464	1.9207074	21	—	—
406959 2009 OU_{15}	16.5	X	217.73083	143.72890	156.85108	9.33880	0.1845301	0.21238650	2.7821771	21	1 21.9	21.3
406960 2009 OK_{23}	16.8	X	193.91397	203.60331	167.89711	14.20080	0.2071427	0.21771582	2.7365878	21	3 28.6	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
406961 2009 PF_{10}	16.5	X	150.52082	189.69772	147.94849	18.66277	0.1377261	0.20261403	2.8709329	21	1 5.5	21.1
406962 2009 PJ_{10}	15.8	X	19.52285	251.39657	148.51763	15.74665	0.0742253	0.18558179	3.0440082	21	12 31.9	20.1
406963 2009 PU_{15}	16.0	X	41.15537	227.76292	179.80982	8.50870	0.1235786	0.18543734	3.0455888	21	—	—
406964 2009 PM_{19}	17.0	X	143.87730	183.07712	180.70595	1.91048	0.0792278	0.20237979	2.8731477	21	1 22.5	21.2
406965 2009 QJ_{3}	15.9	X	70.61817	57.47477	321.65430	8.99910	0.0748155	0.19074875	2.9887867	21	—	—
406966 2009 QO_{3}	16.3	X	77.06058	37.38672	301.12039	10.22118	0.1286183	0.18415726	3.0596857	21	—	—
406967 2009 QP_{13}	16.1	X	53.20312	165.75401	185.17404	9.18736	0.0762954	0.17832313	3.1260620	21	12 14.3	20.6
406968 2009 QW_{14}	16.1	X	97.94126	19.10439	342.59246	9.15089	0.0720860	0.19061915	2.9901412	21	—	—
406969 2009 QL_{15}	16.6	X	338.77531	262.16122	169.39401	10.05222	0.2125830	0.17460878	3.1702389	21	12 15.7	20.0
406970 2009 QZ_{38}	16.7	X	95.73053	133.65100	183.86443	11.27869	0.1571050	0.18231215	3.0802950	21	12 29.4	21.8
406971 2009 QA_{41}	16.7	X	190.11043	299.86182	47.34286	7.82681	0.2728400	0.21076924	2.7963910	21	3 1.3	21.8
406972 2009 QZ_{44}	16.1	X	25.96566	63.66083	334.98890	9.29727	0.0753042	0.18307805	3.0716981	21	—	—
406973 2009 QZ_{52}	16.9	X	77.20565	43.33473	328.93114	8.56595	0.2137846	0.18677569	3.0310224	21	—	—
406974 2009 QY_{53}	16.6	X	144.41960	285.95813	56.89233	2.78988	0.1014196	0.19827818	2.9126353	21	1 1.9	20.8
406975 2009 QE_{56}	16.5	X	110.98920	96.82048	195.54580	4.63488	0.1000630	0.17986827	3.1081337	21	12 11.2	21.3
406976 2009 QL_{56}	16.5	X	103.88642	115.72522	191.34049	10.14386	0.0551796	0.18027345	3.1034746	21	12 17.3	21.2
406977 2009 QF_{57}	16.8	X	56.02467	62.88155	359.92750	9.78302	0.1020585	0.19250150	2.9706168	21	—	—
406978 2009 QS_{61}	16.0	X	348.75635	277.97411	166.18108	16.54897	0.0928886	0.18322812	3.0700206	21	—	—
406979 2009 QE_{62}	17.0	X	68.88345	265.85142	112.79556	1.96889	0.2231669	0.18556686	3.0441714	21	—	—
406980 2009 QG_{63}	15.3	X	69.74177	69.01836	287.89126	17.01245	0.1128327	0.18132030	3.0915179	21	—	—
406981 2009 QL_{64}	16.2	X	348.42679	116.68138	351.78339	9.70892	0.0684400	0.19053609	2.9910101	21	—	—
406982 2009 QZ_{64}	15.4	X	13.22994	348.35465	83.20893	10.66606	0.0445416	0.18416000	3.0596554	21	—	—
406983 2009 RE_{5}	17.6	X	238.03105	270.97571	143.64648	5.94201	0.2560334	0.23235063	2.6204356	21	6 21.2	22.0
406984 2009 RW_{9}	15.9	X	355.18846	249.30591	192.97329	12.73165	0.0302621	0.18184030	3.0856213	21	—	—
406985 2009 RG_{11}	16.2	X	38.75390	168.26622	189.05324	8.82879	0.0872225	0.17391823	3.1786252	21	12 5.2	20.6
406986 2009 RH_{13}	16.5	X	15.98038	356.63883	22.33110	5.54383	0.1290627	0.17220079	3.1997247	21	12 3.8	20.5
406987 2009 RB_{16}	16.5	X	331.95799	251.20871	187.72807	10.38891	0.0594730	0.17434719	3.1734092	21	12 11.3	20.9
406988 2009 RP_{25}	16.2	X	72.24799	191.14523	186.36653	10.67020	0.0640143	0.18317256	3.0706415	21	—	—
406989 2009 RF_{30}	16.0	X	40.30912	191.39765	201.18616	15.58855	0.1420400	0.18042737	3.1017094	21	—	—
406990 2009 RV_{37}	16.6	X	53.02537	357.16802	12.58016	1.32598	0.1839435	0.18032364	3.1028988	21	—	—
406991 2009 RZ_{37}	16.5	X	64.21103	178.55592	176.81319	5.65606	0.1364556	0.18050509	3.1008190	21	—	—
406992 2009 RT_{40}	16.3	X	7.43594	123.96382	328.39401	7.81950	0.0903487	0.18530988	3.0469852	21	—	—
406993 2009 RV_{42}	15.9	X	0.02358	180.65150	225.34336	7.80953	0.1296387	0.17383947	3.1795852	21	12 14.5	19.8
406994 2009 RD_{45}	15.9	X	108.45513	289.15976	8.45249	10.51587	0.0366859	0.17519496	3.1631635	21	12 6.8	20.7
406995 2009 RN_{46}	16.3	X	247.75163	188.42800	327.24413	2.05194	0.1124100	0.17248444	3.1962158	21	11 15.6	20.8
406996 2009 RU_{47}	16.1	X	109.21602	348.78156	12.17007	10.86077	0.1129759	0.19018901	2.9946479	21	—	—
406997 2009 RS_{49}	15.9	X	181.03338	234.06070	19.37199	6.29358	0.3468100	0.18839236	3.0136572	21	12 22.8	21.5
406998 2009 RW_{50}	16.5	X	119.10009	346.13608	354.67635	1.26852	0.1458908	0.18809708	3.0168104	21	—	—
406999 2009 RR_{53}	15.8	X	224.80415	358.36343	197.77977	11.46321	0.1126669	0.17487075	3.1670719	21	12 9.4	20.7
407000 2009 RO_{57}	16.4	X	355.64373	61.19520	9.95696	15.72427	0.0852634	0.17900195	3.1181539	21	—	—
407001 2009 RF_{58}	16.5	X	104.87899	72.83087	232.56848	6.60166	0.1143596	0.17927816	3.1149503	21	12 20.7	21.4
407002 2009 RS_{58}	15.5	X	119.31094	255.95542	30.67245	20.93726	0.2985902	0.17962036	3.1109928	21	12 18.8	21.4
407003 2009 RF_{59}	15.6	X	2.06175	258.56845	182.01277	9.38361	0.0854049	0.18315223	3.0708687	21	—	—
407004 2009 RH_{62}	16.5	X	65.79007	150.07645	192.64684	7.95697	0.0618667	0.17360133	3.1824922	21	12 16.3	21.1
407005 2009 RT_{65}	16.2	X	150.63958	109.77931	194.21209	8.32898	0.0757167	0.18558687	3.0439526	21	—	—
407006 2009 RS_{72}	15.3	X	249.47724	344.13759	196.04807	19.62819	0.0815863	0.17960569	3.1111622	21	12 21.9	20.1
407007 2009 RT_{73}	16.4	X	62.47286	311.79037	9.26891	11.85146	0.0981260	0.17259893	3.1948023	21	11 17.8	21.1
407008 2009 RD_{74}	16.1	X	1.79162	245.36302	197.16176	12.39462	0.0904031	0.18056912	3.1000859	21	—	—
407009 2009 RZ_{75}	17.3	X	75.00328	308.11529	44.92005	0.81225	0.2184440	0.18259464	3.0771172	21	—	—
407010 2009 SV_{5}	17.2	X	39.73125	288.15824	162.28602	2.14737	0.2400784	0.18942923	3.0026500	21	—	—
407011 2009 SZ_{5}	16.3	X	15.45976	220.85949	182.27412	7.58627	0.0371411	0.17801295	3.1296923	21	12 24.2	20.7
407012 2009 SW_{14}	15.8	X	16.16922	75.92416	330.31616	8.47311	0.0716591	0.18042591	3.1017261	21	—	—
407013 2009 SZ_{14}	18.1	X	202.69308	37.53321	26.12382	38.15059	0.1706091	0.38906368	1.8583275	21	5 13.0	21.3
407014 2009 SP_{15}	15.9	X	122.16845	25.49543	346.64839	11.61007	0.0684811	0.19689135	2.9262962	21	1 9.8	20.1
407015 2009 SL_{20}	16.1	X	102.13905	69.62457	274.12921	9.05948	0.1217775	0.18909826	3.0061526	21	—	—
407016 Danielerdag	16.0	X	326.06180	142.41695	333.50770	14.07116	0.2477261	0.17516674	3.1635033	21	—	—
407017 2009 SC_{25}	17.4	X	118.32120	14.83920	308.61103	3.96488	0.2130616	0.18857584	3.0117021	21	—	—
407018 2009 SK_{26}	15.8	X	342.61258	247.48029	195.70573	12.14426	0.1488990	0.17688972	3.1429272	21	—	—
407019 2009 SH_{27}	16.1	X	250.15717	343.77216	191.60436	8.14276	0.1165754	0.17933052	3.1143440	21	12 13.5	20.5
407020 2009 SA_{28}	16.8	X	356.88096	35.00582	46.47880	1.92219	0.1489478	0.17969158	3.1101707	21	—	—
407021 2009 SN_{35}	16.3	X	102.97503	10.89850	5.34038	10.27520	0.1051785	0.19042918	2.9921294	21	—	—
407022 2009 SR_{37}	16.3	X	118.08129	13.79177	277.59264	1.42543	0.1841224	0.17898508	3.1183498	21	12 20.9	21.5
407023 2009 SG_{40}	16.5	X	30.82698	53.15355	14.51260	9.67166	0.0718191	0.18383592	3.0632502	21	—	—
407024 2009 SL_{40}	15.8	X	152.05345	282.55550	19.36177	15.45626	0.0949725	0.18622986	3.0369420	21	—	—
407025 2009 SS_{40}	16.7	X	46.98511	44.18285	15.66620	1.80673	0.2112780	0.18479486	3.0526438	21	—	—
407026 2009 SK_{43}	16.3	X	16.29864	209.53506	231.15672	7.46114	0.1389368	0.18182485	3.0857960	21	—	—
407027 2009 SG_{44}	16.0	X	168.84934	27.38795	230.84031	8.75606	0.0373711	0.17773035	3.1330091	21	12 28.2	20.7
407028 2009 SV_{46}	18.1	X	174.29884	42.37605	7.53911	18.00933	0.0809839	0.38186476	1.8816102	21	4 2.9	20.1
407029 2009 SR_{47}	16.0	X	72.65304	14.14340	6.38156	8.30943	0.0875683	0.18364411	3.0653828	21	—	—
407030 2009 ST_{51}	16.4	X	181.01744	53.92664	183.43768	15.01196	0.0416152	0.18406084	3.0607541	21	12 18.8	21.2
407031 2009 SW_{53}	16.3	X	125.69618	232.75634	86.43030	2.90257	0.0869290	0.18530752	3.0470110	21	—	—
407032 2009 ST_{54}	16.9	X	82.82704	358.67193	333.13909	3.09863	0.1874981	0.18244064	3.0788486	21	—	—
407033 2009 SC_{56}	15.7	X	64.23116	147.35175	219.57825	13.09643	0.1511556	0.18045841	3.1013537	21	—	—
407034 2009 SY_{64}	17.2	X	36.14950	214.04021	188.40611	0.47575	0.1864184	0.18374740	3.0642339	21	—	—
407035 2009 SA_{69}	16.2	X	124.70406	158.67159	185.89686	11.69840	0.0954563	0.18863599	3.0110619	21	—	—
407036 2009 SM_{72}	16.8	X	77.41409	305.10880	357.05731	11.74373	0.1059766	0.17372291	3.1810071	21	11 13.2	21.6
407037 2009 SQ_{72}	16.8	X	84.83103	222.98810	195.03518	2.86109	0.1288825	0.19752083	2.9200758	21	1 23.0	20.5
407038 2009 SL_{81}	16.0	X	29.86703	60.57815	353.35004	9.50285	0.0736073	0.18618833	3.0373937	21	—	—
407039 2009 SX_{94}	16.9	X	99.62528	314.08382	2.93490	8.87506	0.1324246	0.18397464	3.0617102	21	—	—
407040 2009 SD_{98}	16.1	X	139.55290	260.17955	8.83582	15.03676	0.2678914	0.18035755	3.1025098	21	12 12.6	21.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
407041 2009 SQ_{99}	16.1	X	2.45580	78.60341	348.67246	15.34163	0.2426263	0.17655583	3.1468883	21	—	—
407042 2009 SF_{102}	16.3	X	2.87019	31.63439	30.14661	6.72612	0.1426551	0.17815776	3.1279963	21	—	—
407043 2009 SM_{107}	16.9	X	108.52396	6.51336	351.52398	3.15241	0.2491989	0.18953991	3.0014811	21	1 1.0	21.0
407044 2009 SM_{110}	15.7	X	101.66482	145.49808	166.28465	9.67093	0.0946603	0.17868441	3.1218469	21	12 23.5	20.5
407045 2009 SU_{110}	16.5	X	11.82930	28.22051	21.43188	3.62027	0.1749051	0.17679257	3.1440785	21	—	—
407046 2009 SG_{111}	16.0	X	140.52605	70.08984	215.99741	9.97580	0.0304136	0.18180623	3.0860068	21	12 30.3	20.7
407047 2009 SP_{111}	16.0	X	3.22178	196.74622	219.83318	8.50563	0.0445932	0.17844858	3.1245968	21	12 25.1	20.3
407048 2009 SM_{113}	16.7	X	75.98376	115.23614	260.76435	3.90003	0.1694054	0.18647024	3.0343316	21	—	—
407049 2009 SR_{123}	17.1	X	34.56565	54.91278	343.66689	8.49047	0.1393585	0.17973172	3.1097076	21	—	—
407050 2009 SF_{132}	16.7	X	54.09293	52.48913	28.43478	12.85794	0.1906301	0.19078511	2.9884069	21	1 15.0	20.2
407051 2009 SL_{133}	16.3	X	80.99196	152.17388	172.93908	8.35268	0.0306488	0.17421745	3.1749845	21	12 9.8	21.0
407052 2009 SZ_{133}	16.1	X	20.82434	27.92228	44.46443	10.16018	0.0851323	0.18269011	3.0760450	21	—	—
407053 2009 SY_{136}	16.4	X	331.30385	259.40963	211.82686	10.05696	0.0391343	0.17969294	3.1101550	21	—	—
407054 2009 SR_{137}	17.2	X	55.18324	325.77512	30.16706	0.80551	0.1800266	0.17587117	3.1550503	21	—	—
407055 2009 SR_{138}	15.5	X	54.65146	350.79375	29.23433	10.23957	0.0595246	0.17900434	3.1181261	21	—	—
407056 2009 SY_{143}	16.3	X	148.40180	304.64734	18.94204	5.76909	0.1725922	0.19218158	2.9739127	21	—	—
407057 2009 SA_{145}	16.7	X	247.12763	166.58664	168.55364	9.22386	0.0262409	0.21926972	2.7236436	21	4 13.7	20.5
407058 2009 SF_{151}	15.6	X	352.86782	79.69630	357.77269	9.83973	0.1115413	0.17969516	3.1101294	21	—	—
407059 2009 SP_{152}	16.5	X	219.80498	222.10833	337.83031	10.72708	0.1372199	0.18537185	3.0463060	21	12 5.6	21.3
407060 2009 SK_{154}	15.3	X	18.01342	35.89203	11.02880	22.88496	0.1734239	0.17747662	3.1359944	21	—	—
407061 2009 SJ_{157}	17.1	X	0.53692	32.53219	21.80055	1.01895	0.1679873	0.17331880	3.1859498	21	12 29.6	20.9
407062 2009 SV_{164}	16.0	X	55.85704	225.18511	197.20871	10.96847	0.1504973	0.18641810	3.0348973	21	—	—
407063 2009 SB_{165}	16.6	X	81.64251	235.69730	126.58892	2.55863	0.1478009	0.18311694	3.0712632	21	—	—
407064 2009 SO_{166}	16.3	X	14.58529	256.27205	198.33264	8.85989	0.0805071	0.18424947	3.0586648	21	—	—
407065 2009 SC_{167}	16.8	X	17.95122	87.90394	1.91349	4.89361	0.2448880	0.18466993	3.0540204	21	—	—
407066 2009 SA_{169}	15.2	X	323.40593	97.72648	2.21637	10.25761	0.0698950	0.17904201	3.1176887	21	12 25.9	19.4
407067 2009 SF_{169}	16.5	X	240.85181	188.55992	141.50718	6.46844	0.0524376	0.21538125	2.7563273	21	3 28.6	20.4
407068 2009 SF_{173}	16.0	X	186.74046	271.51677	346.87803	9.68477	0.0857688	0.18732089	3.0251383	21	—	—
407069 2009 SV_{183}	16.2	X	16.43239	68.36567	351.87081	9.22812	0.1624249	0.17845022	3.1245777	21	—	—
407070 2009 SH_{192}	16.3	X	96.70688	349.18123	329.16413	3.94467	0.1441243	0.18028056	3.1033931	21	12 30.8	21.2
407071 2009 SK_{192}	16.7	X	156.47035	24.47340	267.41084	2.52376	0.1356991	0.18848418	3.0126784	21	—	—
407072 2009 SM_{194}	16.8	X	35.74286	35.18540	350.35651	4.43376	0.2035947	0.17788524	3.1311902	21	—	—
407073 2009 SV_{197}	16.1	X	122.43767	345.62409	347.69141	8.78600	0.1195018	0.18781541	3.0198259	21	—	—
407074 2009 SY_{197}	16.3	X	117.78750	281.01830	2.13914	14.85425	0.1976081	0.17806062	3.1291337	21	12 9.9	21.8
407075 2009 SV_{198}	17.0	X	112.74469	21.62513	329.85079	4.97843	0.1172835	0.18877056	3.0096307	21	—	—
407076 2009 SV_{205}	16.6	X	137.67719	84.49836	203.19473	4.04423	0.1164903	0.17968576	3.1102379	21	12 31.1	21.6
407077 2009 SM_{207}	15.6	X	120.49653	337.01103	332.42460	8.89502	0.0317842	0.18159401	3.0884106	21	—	—
407078 2009 SN_{208}	16.4	X	143.49313	106.11287	205.11076	8.52625	0.0200245	0.18600231	3.0394184	21	—	—
407079 2009 SX_{211}	17.0	X	102.21625	358.81932	292.29945	0.16238	0.1777594	0.17534765	3.1613270	21	12 6.3	22.0
407080 2009 SE_{216}	16.8	X	123.64021	294.03955	52.18717	0.45854	0.0769933	0.19242900	2.9713630	21	—	—
407081 2009 SH_{217}	16.3	X	122.25018	3.79081	15.37488	11.33578	0.0932294	0.19797751	2.9155835	21	1 22.7	20.6
407082 2009 SL_{222}	16.4	X	111.05084	24.51618	348.26853	10.38825	0.1207432	0.19490249	2.9461699	21	1 3.9	20.6
407083 2009 ST_{228}	15.9	X	24.41705	18.24842	352.01414	12.20984	0.1258972	0.17419789	3.1752223	21	12 3.8	20.2
407084 2009 SV_{234}	15.6	X	94.67179	354.49241	359.21713	19.38981	0.2532391	0.18414530	3.0598182	21	—	—
407085 2009 SZ_{244}	15.9	X	31.46836	223.23755	199.28253	15.88704	0.0895518	0.18205120	3.0832378	21	—	—
407086 2009 SO_{254}	16.5	X	80.48422	314.93459	86.61402	2.89051	0.1932721	0.18963387	3.0004895	21	1 7.6	19.9
407087 2009 ST_{254}	16.5	X	188.26702	91.68862	186.11669	10.89967	0.0753646	0.18854519	3.0120285	21	—	—
407088 2009 SG_{255}	15.9	X	111.61506	319.02778	57.55359	16.52944	0.1337783	0.19842983	2.9111510	21	1 9.5	20.1
407089 2009 SH_{259}	15.9	X	143.14850	258.33881	10.61176	12.42731	0.1156461	0.18257071	3.0773860	21	12 14.1	21.0
407090 2009 SZ_{259}	16.9	X	104.71191	351.73313	52.69122	3.30985	0.0565686	0.20084492	2.8877670	21	1 23.6	20.8
407091 2009 SF_{264}	16.2	X	65.90057	319.48249	48.80461	6.82802	0.1145398	0.18196003	3.0842676	21	—	—
407092 2009 SF_{268}	16.0	X	104.95847	316.81149	5.61625	10.77004	0.0543918	0.18171119	3.0870827	21	—	—
407093 2009 SN_{273}	16.3	X	157.56018	116.99847	160.97376	1.64741	0.1705955	0.18692852	3.0293701	21	—	—
407094 2009 SB_{274}	16.1	X	87.47451	279.83790	19.14208	12.08148	0.1148167	0.17387726	3.1791245	21	11 22.3	20.9
407095 2009 SB_{275}	16.1	X	230.65552	63.48704	181.47172	11.11283	0.0517190	0.19227573	2.9729418	21	—	—
407096 2009 SE_{276}	16.3	X	189.48569	209.04830	70.76008	3.01140	0.1373866	0.19290737	2.9664487	21	—	—
407097 2009 SW_{280}	16.1	X	85.14936	212.76509	172.82673	10.50365	0.1053741	0.18957689	3.0010906	21	—	—
407098 2009 SY_{280}	16.8	X	358.18745	309.11310	129.53907	4.50708	0.1637922	0.17907086	3.1173538	21	—	—
407099 2009 SY_{282}	16.2	X	113.63066	232.36920	50.26745	8.61589	0.0393045	0.17333894	3.1857031	21	11 25.9	20.8
407100 2009 SY_{283}	16.7	X	142.99760	165.16561	134.23869	5.06383	0.2018952	0.18754408	3.0227378	21	—	—
407101 2009 SL_{284}	16.0	X	91.57062	62.58778	250.51278	15.56296	0.2089538	0.17730119	3.1380627	21	12 23.8	21.1
407102 2009 SO_{285}	16.5	X	296.35412	289.42125	186.32846	9.74708	0.1121410	0.17695174	3.1421927	21	12 3.4	20.6
407103 2009 SF_{287}	15.9	X	83.29754	359.51482	357.78156	11.50252	0.1369479	0.18250280	3.0781494	21	—	—
407104 2009 SK_{287}	16.5	X	74.67465	66.36329	291.08560	4.05896	0.1373548	0.18058366	3.0999195	21	—	—
407105 2009 SJ_{288}	16.2	X	72.71974	163.04580	225.36118	7.42216	0.0755026	0.18617827	3.0375031	21	—	—
407106 2009 SY_{288}	16.9	X	332.21680	24.63820	64.30274	4.17860	0.1492382	0.17394205	3.1783349	21	12 23.7	20.4
407107 2009 SR_{289}	16.1	X	253.94497	324.59434	184.59131	10.00914	0.0810572	0.17024703	3.2241582	21	11 21.3	20.8
407108 2009 SS_{292}	16.2	X	284.07414	258.63266	219.09506	9.41395	0.0395457	0.17295254	3.1904461	21	11 25.9	20.6
407109 2009 SS_{294}	15.8	X	18.01527	235.41321	183.80728	21.27209	0.1502415	0.18360281	3.0658424	21	—	—
407110 2009 SY_{297}	16.6	X	75.19858	352.30321	41.19665	10.30238	0.1028754	0.18868494	3.0105411	21	—	—
407111 2009 SN_{299}	15.7	X	120.12799	189.97602	105.36489	11.99235	0.2049069	0.17570120	3.1570847	21	12 27.6	21.0
407112 2009 SX_{300}	16.8	X	158.99164	241.26953	45.22576	1.44973	0.2016649	0.18965380	3.0002793	21	—	—
407113 2009 SM_{304}	15.4	X	276.82464	160.47049	0.08171	9.90450	0.0708258	0.18426952	3.0584429	21	—	—
407114 2009 SZ_{304}	16.3	X	26.64773	46.31734	354.97885	10.71121	0.1082304	0.18171668	3.0870206	21	—	—
407115 2009 SA_{307}	16.0	X	312.52713	302.35987	173.65541	9.81942	0.0141699	0.17920988	3.1157415	21	12 31.6	20.5
407116 2009 SC_{308}	16.6	X	27.21738	55.95625	331.48814	5.85565	0.0548800	0.17908301	3.1172129	21	12 22.9	20.8
407117 2009 SL_{308}	16.7	X	353.48673	78.56504	353.12820	4.42770	0.1364627	0.17933014	3.1143484	21	—	—
407118 2009 SE_{317}	16.5	X	71.27229	258.00717	131.92467	3.43887	0.2293258	0.18827352	3.0149253	21	—	—
407119 2009 SY_{317}	16.4	X	114.38451	93.48792	194.08310	10.21460	0.1209336	0.17782387	3.1319105	21	12 10.2	21.4
407120 2009 SO_{326}	16.2	X	14.22815	35.18651	65.31929	12.98067	0.3310059	0.17674323	3.1446635	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
407121 2009 SW_{326}	15.6	X	22.62360	76.91303	315.32514	9.97951	0.1178489	0.17517198	3.1634401	21	12 30.6	19.9
407122 2009 SD_{327}	15.6	X	8.01062	75.94523	347.00901	15.71300	0.1833522	0.17649487	3.1476129	21	—	—
407123 2009 SH_{328}	16.2	X	230.13544	86.12419	205.18682	14.35771	0.1435775	0.20303878	2.8669276	21	1 21.1	21.1
407124 2009 SA_{329}	16.2	X	192.72533	338.65566	22.80484	10.10580	0.1856539	0.21450440	2.7638337	21	3 17.0	20.8
407125 2009 SO_{334}	15.5	X	359.56656	222.96889	240.25914	8.79175	0.0428945	0.19002772	2.9963422	21	—	—
407126 2009 SH_{340}	16.6	X	303.59771	38.16319	41.88876	2.20406	0.0416248	0.16922213	3.2371633	21	11 3.9	20.9
407127 2009 SO_{340}	16.5	X	109.98534	118.75941	208.13378	9.83601	0.0711385	0.18177698	3.0863378	21	—	—
407128 2009 SC_{342}	16.3	X	165.38071	51.31665	213.98771	7.35061	0.0776056	0.18110813	3.0939319	21	12 31.8	21.2
407129 2009 SL_{350}	15.9	X	352.83636	58.87699	32.56926	18.63351	0.2251509	0.17431246	3.1738307	21	—	—
407130 2009 SO_{350}	16.7	X	62.39050	331.08219	84.01105	4.19025	0.1638488	0.18836349	3.0139652	21	—	—
407131 2009 SH_{355}	17.0	X	34.89523	7.28305	28.14073	1.02967	0.1688357	0.17563256	3.1579072	21	—	—
407132 2009 SH_{357}	16.3	X	350.41218	241.46312	210.57793	4.08644	0.1073526	0.17739298	3.1369801	21	—	—
407133 2009 SF_{359}	16.2	X	91.13598	123.13180	215.38055	9.85375	0.1454902	0.17931942	3.1144725	21	—	—
407134 2009 SF_{362}	16.7	X	77.32682	340.33016	33.92998	2.48070	0.0737232	0.18248497	3.0783499	21	—	—
407135 2009 SJ_{362}	16.1	X	114.62608	267.78595	34.25787	15.19448	0.1138532	0.17466491	3.1695597	21	12 24.9	21.2
407136 2009 SD_{363}	16.7	X	55.11956	40.74888	333.67499	6.93348	0.2150660	0.18158110	3.0885570	21	—	—
407137 2009 SH_{363}	15.5	X	285.09221	94.47850	22.51302	22.18482	0.0460552	0.17064576	3.2191339	21	11 17.9	20.2
407138 2009 SW_{366}	16.0	X	41.10919	19.65582	34.18954	10.02987	0.0842247	0.18507299	3.0495846	21	—	—
407139 2009 TD_{2}	16.7	X	61.81420	75.23429	327.58285	3.33659	0.2768519	0.18444057	3.0565517	21	—	—
407140 2009 TN_{4}	15.8	X	2.01658	49.66225	47.48482	12.18517	0.0982485	0.18322742	3.0700285	21	—	—
407141 2009 TG_{6}	16.7	X	90.60195	340.94199	45.59770	2.04576	0.1706565	0.19009282	2.9956581	21	—	—
407142 2009 TO_{10}	15.7	X	120.05501	293.98692	51.69600	13.06778	0.1724650	0.19075925	2.9886769	21	—	—
407143 2009 TJ_{11}	15.5	X	121.65503	33.83574	256.01386	8.41592	0.0159292	0.17863175	3.1224605	21	12 13.3	19.8
407144 2009 TB_{15}	16.2	X	168.61917	343.21246	36.51137	9.82014	0.1652657	0.20891929	2.8128745	21	3 18.6	20.8
407145 2009 TP_{28}	16.4	X	246.15380	330.72167	189.30390	9.16174	0.0396470	0.17537858	3.1609552	21	11 30.9	21.0
407146 2009 TK_{32}	16.2	X	50.52494	233.69458	194.74811	3.98658	0.2860903	0.18550962	3.0447976	21	—	—
407147 2009 TL_{34}	16.5	X	98.82550	278.15898	136.22105	6.95176	0.2221817	0.19635162	2.9316563	21	2 22.1	20.4
407148 2009 TK_{35}	16.4	X	94.51359	157.99478	211.75882	4.13756	0.2509771	0.18653026	3.0336806	21	—	—
407149 2009 TE_{36}	15.8	X	55.73401	3.65070	45.72586	10.83947	0.1515319	0.18351685	3.0667997	21	—	—
407150 2009 TW_{38}	16.4	X	88.42568	241.98756	133.83269	11.23072	0.2299542	0.18724806	3.0259228	21	—	—
407151 2009 TD_{39}	16.0	X	97.87736	210.75303	150.91736	14.69500	0.2057102	0.18531461	3.0469332	21	—	—
407152 2009 TF_{41}	15.4	X	215.10643	231.10327	340.08383	10.59892	0.0422629	0.17960642	3.1111537	21	12 25.7	20.0
407153 2009 TW_{44}	15.9	X	52.29058	269.60424	137.58675	15.67796	0.2291074	0.18105526	3.0945342	21	—	—
407154 2009 UH_{2}	15.9	X	181.27575	259.54724	20.48761	11.77377	0.1541385	0.19037044	2.9927449	21	—	—
407155 2009 UY_{4}	16.4	X	89.30178	232.08917	130.65374	4.92100	0.1523697	0.18542185	3.0457584	21	—	—
407156 2009 UP_{6}	17.1	X	36.62657	234.10655	157.21653	1.49978	0.1685392	0.18004722	3.1060738	21	—	—
407157 2009 UG_{7}	17.1	X	37.09036	202.55140	159.55847	1.70691	0.1753724	0.17477252	3.1682586	21	12 20.4	21.4
407158 2009 UY_{7}	16.7	X	342.51275	0.33592	120.99968	3.49062	0.0356525	0.18767290	3.0213544	21	—	—
407159 2009 UQ_{18}	16.6	X	148.97050	161.95374	166.30906	6.90472	0.2344343	0.19483764	2.9468236	21	1 3.2	21.4
407160 2009 UX_{21}	15.5	X	337.29987	3.69322	53.21154	14.41759	0.0397389	0.16995375	3.2278664	21	11 19.7	19.9
407161 2009 UM_{25}	16.3	X	44.74913	191.65330	219.62461	8.36455	0.1947922	0.18016789	3.1046868	21	—	—
407162 2009 UM_{26}	15.3	X	8.73834	346.67802	52.83139	15.90217	0.0722687	0.16996057	3.2277801	21	12 11.1	19.7
407163 2009 UT_{26}	15.1	X	42.40577	343.11063	53.09621	18.34770	0.1832670	0.17736852	3.1372685	21	—	—
407164 2009 UK_{29}	16.4	X	47.78265	185.48931	214.91472	2.88372	0.2081282	0.18004813	3.1060634	21	—	—
407165 2009 UN_{30}	16.3	X	354.49444	23.93507	43.33632	15.28496	0.2515020	0.17174651	3.2053646	21	—	—
407166 2009 UR_{34}	16.7	X	107.96088	149.55180	181.54885	14.86010	0.1083421	0.18165149	3.0877591	21	—	—
407167 2009 UA_{37}	16.0	X	343.00466	60.41537	40.06908	17.21655	0.0694269	0.17779729	3.1322226	21	—	—
407168 2009 UH_{37}	15.6	X	253.38594	120.34421	54.13721	13.25032	0.0709951	0.17176330	3.2051557	21	12 19.8	20.2
407169 2009 UU_{42}	16.2	X	159.86879	74.90308	204.32372	3.92036	0.1118532	0.18223349	3.0811813	21	—	—
407170 2009 UU_{46}	15.9	X	179.81889	216.09277	49.18142	12.23937	0.0401908	0.17730147	3.1380593	21	—	—
407171 2009 UC_{50}	16.7	X	353.73440	354.78098	85.77711	2.17133	0.1660720	0.17618139	3.1513455	21	—	—
407172 2009 UW_{50}	16.8	X	78.14325	99.52130	288.77236	0.83932	0.2105437	0.18633717	3.0357759	21	—	—
407173 2009 UJ_{59}	15.9	X	149.16140	235.91725	33.59352	9.38444	0.0604314	0.17363419	3.1820907	21	12 19.4	20.8
407174 2009 UP_{59}	16.0	X	66.64606	272.64006	76.96938	11.60928	0.0519728	0.17537061	3.1610511	21	12 23.9	20.4
407175 2009 UY_{61}	16.4	X	82.28806	1.23539	36.19941	10.16744	0.0696623	0.19182584	2.9775882	21	—	—
407176 2009 UD_{62}	16.2	X	10.16141	10.31643	38.00507	10.68000	0.0312565	0.17784702	3.1316387	21	12 22.8	20.6
407177 2009 UW_{62}	16.4	X	115.08798	104.06309	187.68574	11.63613	0.0801786	0.17504169	3.1650097	21	12 12.6	21.3
407178 2009 UE_{63}	16.4	X	14.36210	32.43588	49.84932	9.28544	0.0222224	0.18417388	3.0595017	21	—	—
407179 2009 UQ_{67}	16.0	X	8.57595	12.69176	53.41611	10.13588	0.1422001	0.17773540	3.1329497	21	—	—
407180 2009 UN_{70}	16.5	X	129.20293	228.24656	141.01300	6.33624	0.0833234	0.19515525	2.9436255	21	1 14.2	20.7
407181 2009 UR_{81}	16.0	X	310.64596	84.41774	35.38977	16.17509	0.0757759	0.17439798	3.1727931	21	12 30.4	20.4
407182 2009 UB_{83}	16.5	X	44.63077	222.39049	151.71745	1.83430	0.1564641	0.17289545	3.1911485	21	—	—
407183 2009 UN_{85}	16.2	X	114.20588	99.30644	214.09175	7.32111	0.0406378	0.17287250	3.1914308	21	—	—
407184 2009 UR_{86}	16.5	X	55.22404	358.49916	10.99139	7.05058	0.2619477	0.17662939	3.1460146	21	—	—
407185 2009 UV_{86}	16.2	X	111.82931	66.15567	268.71325	3.10325	0.1912195	0.18389766	3.0625645	21	—	—
407186 2009 UJ_{94}	16.3	X	82.60504	264.14472	103.03924	2.45992	0.2334259	0.18379546	3.0636997	21	—	—
407187 2009 UM_{94}	16.1	X	131.67073	263.37707	48.90354	14.82674	0.1679432	0.18390327	3.0625023	21	—	—
407188 2009 UR_{97}	16.4	X	32.32243	270.83139	153.71039	1.91884	0.2072987	0.18017337	3.1046238	21	—	—
407189 2009 US_{98}	16.7	X	35.31369	302.31894	134.37100	2.15191	0.1982176	0.18259923	3.0770656	21	—	—
407190 2009 UV_{115}	15.6	X	232.41512	128.76445	46.33313	4.68469	0.0908780	0.17395430	3.1781858	21	11 24.5	20.1
407191 2009 UY_{116}	15.6	X	58.26986	134.42479	248.36840	8.80706	0.0946364	0.17988214	3.1079738	21	—	—
407192 2009 US_{117}	16.6	X	91.98557	146.25234	187.29415	8.95904	0.0649968	0.17696536	3.1420315	21	—	—
407193 2009 UH_{118}	16.3	X	46.19893	303.23777	30.08075	4.56077	0.1029416	0.16967367	3.2314176	21	11 15.6	20.7
407194 2009 UW_{118}	16.1	X	112.64714	87.68801	203.89960	16.02096	0.1213716	0.17673236	3.1447926	21	12 12.5	21.2
407195 2009 UA_{121}	15.5	X	84.88452	136.93512	222.95692	14.85171	0.0809194	0.18067384	3.0988879	21	—	—
407196 2009 UG_{122}	16.1	X	108.67641	161.81727	192.76494	9.67521	0.0176184	0.18492593	3.0512011	21	—	—
407197 2009 UX_{129}	16.0	X	9.08562	133.72553	305.86022	9.10873	0.2108052	0.17681870	3.1437687	21	—	—
407198 2009 UG_{132}	15.7	X	49.49620	130.84514	283.73610	8.42078	0.0867582	0.18472207	3.0534456	21	—	—
407199 2009 UW_{136}	16.2	X	17.11150	276.22104	159.96663	4.27723	0.2257539	0.17792978	3.1306676	21	—	—
407200 2009 UF_{137}	15.2	X	342.59486	157.04483	286.45423	11.48104	0.1568919	0.17085822	3.2164647	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
407201 2009 UU_{142}	16.8	X	55.20278	178.11033	220.47860	4.06922	0.1005740	0.17995511	3.1071336	21	—	—
407202 2009 UR_{143}	16.5	X	351.37257	213.72609	229.01637	3.92624	0.1353294	0.17292958	3.1907285	21	—	—
407203 2009 UU_{149}	16.0	X	179.34206	352.63070	282.00350	8.35473	0.0638637	0.18036277	3.1024500	21	—	—
407204 2009 UQ_{150}	17.0	X	81.92554	286.34471	66.05934	1.98943	0.1853061	0.17839654	3.1252045	21	—	—
407205 2009 UY_{150}	16.2	X	62.78852	120.89933	229.07654	11.16883	0.1330548	0.17278463	3.1925128	21	12 29.1	21.0
407206 2009 UD_{153}	15.8	X	22.13232	5.02907	99.27546	6.74983	0.1495437	0.17256783	3.1951861	21	—	—
407207 2009 UK_{154}	16.0	X	35.71533	62.91349	26.63583	11.38388	0.1736237	0.18540394	3.0459544	21	—	—
407208 2009 VR_{1}	16.5	X	81.50248	247.59179	109.76176	2.63999	0.1622047	0.17763159	3.1341702	21	—	—
407209 2009 VA_{2}	16.0	X	35.28563	80.86389	334.20389	14.62566	0.2430494	0.17918356	3.1160466	21	—	—
407210 2009 VS_{2}	15.5	X	52.56580	125.36097	274.67747	20.93005	0.1110835	0.18167861	3.0874518	21	—	—
407211 2009 VF_{8}	15.0	X	59.69226	157.69452	237.00149	26.89764	0.1213763	0.18008509	3.1056383	21	—	—
407212 2009 VD_{16}	16.6	X	124.83725	99.78239	278.40535	0.72021	0.1933729	0.19103215	2.9858300	21	2 3.9	21.1
407213 2009 VY_{18}	16.2	X	42.41014	338.09379	34.13384	8.09055	0.1913372	0.17263786	3.1943220	21	—	—
407214 2009 VV_{39}	16.2	X	65.95046	290.45663	57.11128	13.29800	0.2096917	0.17388981	3.1789714	21	—	—
407215 2009 VV_{42}	16.0	X	45.30275	321.44982	60.36539	5.31385	0.1221895	0.17575733	3.1564124	21	—	—
407216 2009 VP_{63}	16.1	X	136.31277	248.35965	74.70538	10.18180	0.2786587	0.18414958	3.0597708	21	—	—
407217 2009 VO_{73}	16.4	X	284.63572	79.63830	52.50317	2.08779	0.0703213	0.17192773	3.2031118	21	12 9.6	20.7
407218 2009 VA_{74}	16.7	X	58.11144	181.39116	216.59581	1.87700	0.1229950	0.18276525	3.0752019	21	—	—
407219 2009 VW_{74}	15.8	X	173.75976	249.01046	26.77048	12.85432	0.0747477	0.18546648	3.0452697	21	—	—
407220 2009 VM_{78}	16.4	X	82.77355	287.85559	111.54218	8.59256	0.2275441	0.18722644	3.0261557	21	1 14.1	20.1
407221 2009 VQ_{85}	16.4	X	3.50328	263.22577	141.22791	2.43259	0.0922004	0.16784421	3.2548562	21	12 13.2	20.5
407222 2009 VU_{87}	16.5	X	31.43586	79.07792	349.47926	4.56119	0.1543230	0.17747449	3.1360195	21	—	—
407223 2009 VY_{92}	16.3	X	74.82239	337.22806	46.65118	10.41425	0.1131216	0.18324817	3.0697967	21	—	—
407224 2009 VB_{93}	16.1	X	73.00953	165.79916	228.85172	15.43198	0.0991979	0.18259643	3.0770970	21	—	—
407225 2009 VZ_{95}	15.8	X	324.17673	45.38037	60.05519	16.80630	0.0546709	0.17225947	3.1989981	21	12 31.2	20.3
407226 2009 VQ_{106}	16.5	X	90.51765	245.67104	152.52774	4.61932	0.1508570	0.18896027	3.0076159	21	1 11.7	20.4
407227 2009 WH_{9}	16.1	X	46.63091	329.12625	93.81588	3.20307	0.1867176	0.18236546	3.0796947	21	—	—
407228 2009 WY_{10}	15.8	X	60.09923	259.85111	106.02412	6.47749	0.1322511	0.17456940	3.1707157	21	—	—
407229 2009 WS_{19}	15.7	X	36.93104	188.67162	216.60742	12.98106	0.0309397	0.17596824	3.1538899	21	—	—
407230 2009 WZ_{24}	16.0	X	47.14971	298.11861	110.79324	5.82932	0.1730556	0.17886776	3.1197132	21	—	—
407231 2009 WA_{25}	16.7	X	43.52511	128.22758	305.97437	1.82903	0.2074135	0.18298286	3.0727633	21	—	—
407232 2009 WL_{35}	16.7	X	50.74219	198.94711	196.37162	3.55943	0.1404869	0.18196616	3.0841983	21	—	—
407233 2009 WU_{43}	15.1	X	306.92434	128.03507	295.21160	8.63576	0.0880571	0.14757540	3.5464463	21	10 6.6	20.0
407234 2009 WM_{51}	15.6	X	178.21674	249.98332	72.16910	15.91546	0.1050117	0.18766582	3.0214304	21	1 15.5	20.5
407235 2009 WO_{53}	15.6	X	53.26211	150.80426	266.90371	10.44092	0.1809358	0.18401731	3.0612368	21	—	—
407236 2009 WR_{69}	15.8	X	61.08857	28.05015	22.02698	11.88168	0.1002678	0.18391083	3.0624183	21	—	—
407237 2009 WW_{81}	16.8	X	5.86178	313.47990	118.58651	8.67564	0.3078625	0.17360402	3.1824593	21	—	—
407238 2009 WY_{84}	16.0	X	97.15821	302.18337	19.23172	8.35481	0.2037332	0.17383753	3.1796088	21	—	—
407239 2009 WZ_{95}	16.6	X	10.10971	297.55342	130.36014	1.80033	0.1829512	0.17431900	3.1737513	21	—	—
407240 2009 WP_{98}	15.9	X	49.91785	12.25842	29.61107	9.06428	0.0653929	0.17960588	3.1111600	21	—	—
407241 2009 WO_{99}	16.1	X	101.83768	276.54072	46.07432	9.66528	0.0783963	0.17471405	3.1689654	21	—	—
407242 2009 WD_{100}	15.9	X	94.51486	352.52120	70.28746	10.10420	0.1009170	0.19002957	2.9963227	21	2 13.5	20.1
407243 Krapivin	16.9	X	106.25069	161.35817	173.67187	1.15265	0.1694417	0.18072695	3.0982808	21	—	—
407244 2009 WN_{104}	16.3	X	357.57153	223.56186	197.86643	10.47575	0.2818856	0.17016530	3.2251906	21	—	—
407245 2009 WL_{157}	16.1	X	322.29302	334.06314	126.69337	5.36714	0.0731289	0.16887491	3.2415991	21	12 22.5	20.2
407246 2009 WK_{164}	16.7	X	80.75996	34.09610	22.29761	1.29960	0.1713243	0.18683471	3.0303841	21	1 24.7	20.5
407247 2009 WE_{168}	16.4	X	96.66648	329.14357	80.75185	4.55403	0.1177947	0.19012047	2.9953676	21	1 31.0	20.4
407248 2009 WB_{185}	16.0	X	45.40771	154.22135	247.65387	9.40471	0.1485792	0.17608511	3.1524942	21	—	—
407249 2009 WG_{187}	16.8	X	46.27743	132.78446	282.33516	1.54033	0.1759287	0.18083851	3.0970064	21	—	—
407250 2009 WK_{200}	16.1	X	355.53748	288.65308	155.86654	6.25890	0.1821721	0.17309796	3.1886590	21	—	—
407251 2009 WD_{217}	15.9	X	66.32597	248.98035	47.51745	7.13048	0.0398265	0.15968739	3.3647719	21	10 19.0	20.6
407252 2009 WA_{221}	16.2	X	357.06721	223.18561	196.13360	5.05093	0.1015753	0.17070287	3.2184159	21	12 23.3	20.3
407253 2009 WK_{234}	16.1	X	334.02335	255.34826	213.17578	8.67211	0.0691123	0.17867224	3.1219887	21	—	—
407254 2009 WC_{261}	16.1	X	60.44167	343.33952	53.84730	18.15382	0.2835822	0.18054533	3.1003583	21	—	—
407255 2010 AB_{57}	18.0	X	116.08104	121.12284	290.96578	18.85530	0.1352134	0.36095619	1.9535883	21	1 21.6	19.4
407256 2010 AG_{72}	15.3	X	59.08506	246.89290	132.41377	27.47396	0.2516013	0.16966691	3.2315034	21	—	—
407257 2010 AX_{104}	16.6	X	99.09909	192.61539	163.89974	9.08209	0.0834811	0.18531134	3.0469691	21	—	—
407258 2010 AU_{117}	16.2	X	348.19098	85.71900	5.60792	24.51331	0.2737081	0.17444891	3.1721755	21	—	—
407259 2010 AS_{137}	16.2	X	75.27853	290.99553	101.49579	7.46885	0.1114025	0.18664588	3.0324277	21	—	—
407260 2010 BP_{1}	15.7	X	293.06204	134.32094	309.80402	8.81959	0.0764380	0.14735403	3.5499974	21	10 14.6	20.6
407261 2010 BQ_{3}	18.1	X	54.13887	275.12039	293.63761	5.36571	0.1097057	0.29431728	2.2383373	21	6 20.7	20.2
407262 2010 BX_{37}	15.5	X	122.23103	224.92813	61.27144	17.54500	0.2090628	0.17686196	3.1432561	21	12 17.7	20.9
407263 2010 BM_{55}	15.3	X	79.22028	76.00430	300.95182	25.34708	0.2085599	0.18454576	3.0553901	21	—	—
407264 2010 BM_{61}	17.0	X	15.13483	62.99239	235.35802	20.18747	0.2722838	0.28195275	2.3033070	21	9 14.9	19.3
407265 2010 CN_{35}	18.3	X	86.08127	197.23646	60.76049	2.63009	0.1928193	0.29971452	2.2113842	21	10 29.5	21.4
407266 2010 CB_{43}	17.6	X	84.19525	50.28729	152.17057	24.20255	0.2279171	0.28601527	2.2814445	21	8 15.3	20.6
407267 2010 CW_{54}	16.1	X	17.10644	126.57305	309.77937	12.30475	0.2365587	0.17658087	3.1465909	21	—	—
407268 2010 CX_{65}	16.5	X	31.55593	291.71644	172.20177	10.08774	0.2145159	0.17431590	3.1737889	21	1 3.3	20.0
407269 2010 CO_{145}	15.3	X	40.43092	6.82630	79.78487	14.70913	0.1546704	0.17515460	3.1636494	21	—	—
407270 2010 CK_{147}	16.1	X	27.24047	67.54195	40.37614	11.47578	0.2452615	0.17428563	3.1741564	21	—	—
407271 2010 CZ_{237}	16.0	X	45.57630	301.31089	113.42957	10.20295	0.0587295	0.18106421	3.0944322	21	—	—
407272 2010 DQ_{25}	17.4	X	43.77753	34.04411	204.60082	3.97844	0.1977610	0.27519337	2.3408706	21	8 1.9	19.7
407273 2010 DU_{73}	16.3	X	52.47145	101.88099	310.38392	10.41125	0.3656501	0.18208236	3.0828861	21	—	—
407274 2010 EC_{80}	18.3	X	62.16208	129.80527	133.55541	3.24744	0.1525602	0.29384842	2.2407177	21	10 3.9	20.9
407275 2010 FS_{5}	17.6	X	80.42257	237.20335	39.61072	7.70360	0.1602284	0.29798476	2.2199337	21	11 12.5	20.5
407276 2010 FH_{14}	17.9	X	73.94506	178.93223	84.91846	3.04740	0.1578919	0.29338325	2.2430856	21	10 20.1	20.8
407277 2010 FB_{86}	17.7	X	41.08290	96.64860	132.74205	2.80276	0.1649979	0.27548477	2.3392195	21	7 8.2	19.7
407278 2010 FM_{93}	18.4	X	66.40745	94.82576	189.31963	1.89437	0.1635037	0.29830867	2.2183265	21	11 8.0	21.2
407279 2010 GR_{100}	18.2	X	81.49921	286.76694	341.07950	3.54615	0.1562245	0.29565030	2.2316042	21	10 31.4	21.3
407280 2010 GC_{113}	17.8	X	111.43980	119.45786	137.03398	4.89819	0.1688543	0.29966211	2.2116420	21	11 20.4	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
407281 2010 GA_{117}	17.9	X	66.85166	181.89457	24.62071	2.82280	0.1505917	0.27920869	2.3183736	21	7 16.9	20.4
407282 2010 GB_{117}	17.8	X	105.91733	209.47087	28.15764	6.06540	0.1177803	0.29473974	2.2361980	21	10 16.0	20.7
407283 2010 GX_{120}	18.1	X	7.44331	245.42487	57.24195	2.86145	0.1260302	0.28424416	2.2909117	21	8 25.5	20.0
407284 2010 GG_{124}	17.7	X	43.12270	234.08096	66.40808	5.61153	0.1629820	0.29106169	2.2549972	21	10 31.4	20.3
407285 2010 GO_{125}	18.3	X	49.10446	57.19272	185.89419	1.14871	0.2151672	0.27965963	2.3158808	21	8 23.1	20.7
407286 2010 GW_{140}	17.8	X	355.52199	56.74307	227.14093	4.93450	0.3165966	0.27352974	2.3503526	21	6 15.2	18.2
407287 2010 GB_{157}	17.3	X	43.71548	245.40903	43.50220	8.44468	0.1537296	0.28824800	2.2696481	21	10 14.5	19.8
407288 2010 GS_{158}	17.9	X	29.93830	90.60134	178.35532	5.12088	0.2419439	0.27962128	2.3160925	21	9 1.8	19.9
407289 2010 HV_{63}	16.9	X	280.42743	289.16768	63.50912	11.17225	0.2118016	0.25733489	2.4479559	21	5 19.0	20.1
407290 2010 HH_{71}	17.3	X	43.97354	198.60482	116.56075	6.35238	0.1837903	0.28161489	2.3051488	21	11 23.7	20.2
407291 2010 HE_{104}	17.2	X	102.79752	235.47521	61.12788	7.72930	0.1793342	0.30261785	2.1972174	21	—	—
407292 2010 JY_{28}	17.5	X	359.24201	177.41118	111.00302	8.79768	0.2203886	0.27436336	2.3455893	21	7 13.3	18.8
407293 2010 JH_{38}	17.6	X	79.23051	265.07895	356.37042	5.59211	0.2162751	0.29023439	2.2592804	21	10 26.0	20.8
407294 2010 JT_{45}	17.4	X	12.86762	245.84829	106.39794	5.31255	0.1991742	0.29176459	2.2513741	21	12 3.8	19.5
407295 2010 JY_{108}	16.7	X	186.94705	99.25024	310.89975	25.66998	0.3365844	0.24125632	2.5555453	21	4 25.9	22.1
407296 2010 JT_{111}	18.0	X	45.07818	211.12798	39.21997	2.83179	0.1820926	0.27922956	2.3182581	21	8 23.2	20.4
407297 2010 JT_{150}	17.5	X	15.45699	55.06342	206.63619	4.90346	0.1144627	0.27449042	2.3448654	21	7 1.5	19.7
407298 2010 JF_{152}	17.8	X	18.17457	253.59203	28.98964	4.74599	0.2306281	0.27858571	2.3218286	21	8 30.5	19.4
407299 2010 KB_{88}	16.9	X	268.94148	341.64413	21.13030	14.77531	0.2519131	0.25279180	2.4771980	21	5 10.4	20.8
407300 2010 LL_{53}	17.3	X	249.39802	130.62138	164.81987	9.76714	0.1989253	0.23588732	2.5941773	21	2 7.1	21.6
407301 2010 LE_{62}	17.2	X	253.42040	51.88071	230.65948	13.70494	0.0951316	0.24780256	2.5103380	21	1 27.2	21.2
407302 2010 LE_{67}	17.8	X	83.28589	88.92729	126.23027	6.83928	0.0652442	0.28032987	2.3121880	21	8 8.4	20.5
407303 2010 LA_{90}	17.3	X	260.88050	316.03121	351.57985	18.04596	0.2710377	0.24150067	2.5538212	21	3 1.7	21.6
407304 2010 LM_{127}	16.9	X	171.21780	120.09071	281.46260	10.39636	0.2011703	0.23382900	2.6093789	21	4 7.0	21.4
407305 2010 LO_{127}	17.3	X	292.29873	53.33383	229.73138	6.22415	0.1444814	0.24255738	2.5463986	21	3 9.4	20.9
407306 2010 MJ_{7}	17.2	X	5.06683	281.53383	321.69236	9.26230	0.2140856	0.25338382	2.4733380	21	5 4.0	19.4
407307 2010 MT_{72}	17.6	X	215.86993	240.39140	78.62484	3.12855	0.2012794	0.22939590	2.6428891	21	2 10.6	22.1
407308 2010 MA_{107}	16.1	X	225.54976	247.92164	120.22371	25.97656	0.3284191	0.23911613	2.5707715	21	4 22.9	21.4
407309 2010 NS_{14}	17.0	X	168.21770	87.22392	340.24702	10.62786	0.2463549	0.23468597	2.6030227	21	5 9.1	21.7
407310 2010 NW_{23}	16.9	X	206.16872	188.75867	156.19699	12.50096	0.1964005	0.23050705	2.6343891	21	3 4.7	21.4
407311 2010 NC_{28}	16.5	X	239.60495	28.25654	268.45965	12.29133	0.2492218	0.23138598	2.6277136	21	1 28.3	21.2
407312 2010 NR_{53}	16.4	X	199.97128	27.21844	347.68352	11.86942	0.1740685	0.23382896	2.6093791	21	3 31.3	20.8
407313 2010 NG_{58}	16.7	X	210.20353	50.99230	335.32992	12.88782	0.2436429	0.23790702	2.5794743	21	4 19.1	21.4
407314 2010 NB_{87}	17.5	X	248.98244	315.90218	353.80367	4.28341	0.1742283	0.23499295	2.6007553	21	2 27.2	21.5
407315 2010 NC_{115}	17.4	X	172.55034	228.18602	118.43466	5.91245	0.1282343	0.22082654	2.7108275	21	2 3.6	21.6
407316 2010 OJ_{3}	17.1	X	207.18677	52.01577	328.98647	11.00407	0.2038174	0.23590426	2.5940531	21	4 11.7	21.7
407317 2010 OJ_{24}	17.0	X	170.31775	186.05924	141.76424	6.08681	0.0740628	0.21453292	2.7635888	21	1 5.6	21.1
407318 2010 ON_{66}	16.3	X	338.94360	297.19684	255.92976	10.34219	0.0380443	0.22046689	2.7137747	21	1 31.3	20.1
407319 2010 OR_{76}	17.3	X	119.60831	56.67459	336.08608	6.84161	0.2343578	0.21450304	2.7638454	21	2 18.0	21.2
407320 2010 OL_{90}	17.4	X	136.34104	83.23657	273.27344	3.49713	0.1214665	0.21150179	2.7899302	21	1 8.9	21.3
407321 2010 OK_{91}	16.3	X	192.85412	84.87613	313.10511	10.76285	0.1836914	0.23393360	2.6086009	21	4 20.6	20.9
407322 2010 OM_{91}	17.3	X	130.52487	51.94104	322.86338	3.78818	0.1036646	0.21364685	2.7712246	21	1 22.4	21.2
407323 2010 OM_{98}	15.7	X	218.83068	310.10407	40.97899	16.91545	0.2091113	0.23285070	2.6166824	21	3 28.3	20.3
407324 2010 OB_{101}	20.7	X	148.84636	334.34860	260.95555	9.12111	0.5221926	0.47947521	1.6166845	21	12 3.1	23.5
407325 2010 OS_{121}	17.3	X	144.81514	51.29067	355.60353	3.81272	0.0608217	0.22367718	2.6877462	21	3 12.8	21.0
407326 2010 PQ_{54}	17.6	X	162.79240	278.49320	50.97131	8.27038	0.2279490	0.21353602	2.7721833	21	1 14.8	22.3
407327 2010 PT_{55}	17.5	X	193.46901	13.84427	324.58253	2.97116	0.2181890	0.22284073	2.6944678	21	2 15.5	21.9
407328 2010 PL_{57}	17.1	X	256.17651	135.10402	146.03899	4.96681	0.2197761	0.23861329	2.5743818	21	1 26.2	21.2
407329 2010 PZ_{60}	17.8	X	285.95507	165.74444	208.55404	0.78897	0.1984734	0.25927140	2.4357515	21	6 27.0	20.6
407330 2010 PS_{63}	17.4	X	287.53208	345.69293	350.47023	5.47579	0.2175492	0.25580355	2.4577159	21	5 1.9	20.8
407331 2010 PR_{76}	16.6	X	332.22273	151.20144	156.10561	14.99869	0.1666745	0.25894119	2.4378218	21	6 13.9	19.4
407332 2010 PP_{79}	17.7	X	230.64602	64.85638	351.08109	2.97957	0.1769592	0.25307700	2.4753366	21	6 21.9	21.6
407333 2010 PW_{79}	17.1	X	206.60350	183.93614	160.19277	9.70140	0.1368190	0.23415808	2.6069335	21	3 3.1	21.2
407334 2010 QF	17.8	X	213.19336	44.48976	325.09204	6.43540	0.1975252	0.24188585	2.5511094	21	4 4.7	22.2
407335 2010 QZ	16.9	X	218.21752	344.55989	331.19570	6.80723	0.1943724	0.23327840	2.6134831	21	2 7.9	21.2
407336 2010 RC_{15}	16.8	X	231.85409	335.64877	305.42352	6.67326	0.1918778	0.22973092	2.6403191	21	1 9.6	21.2
407337 2010 RN_{26}	17.8	X	269.10149	48.33387	320.65937	4.06471	0.0927616	0.25471211	2.4647317	21	6 13.1	21.1
407338 2010 RQ_{30}	18.0	X	32.15914	7.83447	137.45866	4.92381	0.4765093	0.49462525	1.5835017	21	—	—
407339 2010 RV_{39}	16.5	X	219.03265	348.25188	321.63149	13.64125	0.2184873	0.23097216	2.6308512	21	2 2.2	21.1
407340 2010 RP_{47}	17.3	X	139.29213	54.43931	335.40754	1.83912	0.0828394	0.22340065	2.6899638	21	2 15.6	20.8
407341 2010 RW_{47}	17.1	X	185.18499	7.05230	357.23367	6.01172	0.2031620	0.22965671	2.6408879	21	3 10.7	21.4
407342 2010 RN_{48}	17.7	X	232.87484	254.27385	181.39179	10.31567	0.2377170	0.25319823	2.4745465	21	7 13.2	21.9
407343 2010 RB_{51}	17.5	X	216.32803	300.50700	10.33084	2.48573	0.1599296	0.22641245	2.6660555	21	2 1.6	21.9
407344 2010 RX_{58}	17.7	X	191.75757	102.15702	297.15287	3.70019	0.1291911	0.24017535	2.5632075	21	4 23.9	21.8
407345 2010 RS_{62}	16.1	X	231.13409	62.53928	273.85323	13.68200	0.1310745	0.23597128	2.5935619	21	3 9.1	20.4
407346 2010 RC_{64}	17.0	X	138.50437	116.10594	287.38813	6.92049	0.2429907	0.22519196	2.6756797	21	3 17.1	21.3
407347 2010 RG_{78}	17.3	X	219.83983	189.46011	155.07982	4.99991	0.2008680	0.23483030	2.6019561	21	3 15.1	21.7
407348 2010 RZ_{81}	17.3	X	133.78144	237.14533	165.06911	5.56553	0.1679410	0.22319145	2.6916443	21	3 6.9	21.4
407349 2010 RJ_{90}	17.8	X	296.23082	238.36693	142.76423	0.78623	0.2260123	0.26138848	2.4225816	21	7 18.1	20.3
407350 2010 RE_{99}	17.0	X	240.82047	307.88097	330.68533	4.87988	0.1101744	0.22451674	2.6810417	21	1 18.1	21.0
407351 2010 RR_{99}	16.9	X	86.56299	113.54856	290.23244	2.36686	0.0949612	0.21231733	2.7827814	21	—	—
407352 2010 RB_{100}	17.8	X	199.38428	110.72011	274.64937	2.91415	0.1513829	0.23675629	2.5878258	21	4 14.4	22.0
407353 2010 RL_{100}	17.2	X	206.93386	9.31412	331.08070	5.61480	0.0145352	0.22795150	2.6540417	21	2 26.5	20.7
407354 2010 RK_{101}	17.4	X	246.31482	304.73111	344.04099	5.63871	0.1292593	0.22790907	2.6543711	21	2 3.6	21.6
407355 2010 RJ_{102}	17.4	X	163.90444	127.91950	219.08709	4.22551	0.1221421	0.22005754	2.7171391	21	1 24.3	21.6
407356 2010 RP_{103}	16.5	X	57.75108	91.61866	4.26290	13.10497	0.0849933	0.21628008	2.7486854	21	1 27.3	20.0
407357 2010 RL_{104}	17.2	X	140.47729	228.51268	200.34964	6.13330	0.1548691	0.22923108	2.6441558	21	4 14.4	21.2
407358 2010 RS_{104}	17.2	X	134.45408	231.74498	206.58656	5.02312	0.2261405	0.22806128	2.6531900	21	4 27.3	21.2
407359 2010 RW_{104}	17.2	X	71.30839	64.70924	5.88767	5.84839	0.0754033	0.21331719	2.7740790	21	1 11.1	20.7
407360 2010 RS_{105}	17.0	X	334.15523	58.47452	194.97671	2.05955	0.1239805	0.23938726	2.5688299	21	4 3.6	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
407361 2010 RN_{106}	17.1	X	161.01156	37.07069	6.25814	5.66853	0.1112739	0.22997558	2.6384462	21	3 30.3	20.9
407362 2010 RJ_{107}	17.3	X	134.56481	172.20638	187.53484	3.52845	0.1062572	0.21378394	2.7700397	21	1 8.0	21.1
407363 2010 RQ_{110}	17.3	X	289.00139	280.33565	3.88973	10.63588	0.0856280	0.23768199	2.5811022	21	3 19.3	20.6
407364 2010 RW_{111}	17.6	X	174.77690	280.84334	85.04380	1.24553	0.1309654	0.22719387	2.6599388	21	2 28.4	21.6
407365 2010 RV_{117}	17.1	X	62.78742	280.94339	165.91544	8.53267	0.2766026	0.21069630	2.7970364	21	2 10.1	19.7
407366 2010 RO_{118}	17.3	X	192.73210	281.24296	141.85654	6.01878	0.0986773	0.24240096	2.5474939	21	5 28.6	21.1
407367 2010 RH_{126}	17.3	X	242.05267	180.39150	155.90551	7.26261	0.1168533	0.23823321	2.5771192	21	3 29.9	21.1
407368 2010 RS_{129}	17.3	X	329.05277	192.67180	142.65520	3.12424	0.1759374	0.26441195	2.4040786	21	7 19.4	19.3
407369 2010 RU_{129}	16.1	X	212.34760	89.38538	330.30702	13.50006	0.2010217	0.24294320	2.5437019	21	6 7.1	20.6
407370 2010 RM_{135}	17.2	X	125.22616	211.93253	193.49925	13.09607	0.0999575	0.22271148	2.6955102	21	2 17.5	21.1
407371 2010 RK_{136}	17.1	X	138.04737	58.41377	29.30760	12.08976	0.1634970	0.23205064	2.6226935	21	5 4.5	21.2
407372 2010 RS_{139}	17.9	X	278.07369	187.30392	187.64584	4.29393	0.2425627	0.25651437	2.4531734	21	6 11.1	21.3
407373 2010 RR_{146}	17.9	X	173.72215	349.07710	6.61981	3.42713	0.1518763	0.22393235	2.6857041	21	2 17.2	22.0
407374 2010 RN_{147}	17.6	X	185.69902	30.00235	16.10442	5.92673	0.0338796	0.23746272	2.5826908	21	4 25.2	21.3
407375 2010 RL_{149}	17.5	X	141.52945	71.19855	329.44795	6.41358	0.1466939	0.22715183	2.6602670	21	3 9.0	21.4
407376 2010 RQ_{149}	17.3	X	243.16491	305.60272	339.19099	8.39761	0.1026389	0.22871406	2.6481392	21	1 28.6	21.3
407377 2010 RR_{150}	17.5	X	211.08295	219.14642	190.68389	4.51112	0.1438109	0.24624190	2.5209336	21	5 28.4	21.4
407378 2010 RZ_{151}	16.9	X	162.51707	34.18094	13.64185	8.72999	0.0839622	0.23268191	2.6179477	21	4 4.4	20.8
407379 2010 RF_{165}	16.7	X	246.89382	151.33064	186.21668	14.86386	0.1371559	0.23853914	2.5749153	21	4 2.7	20.6
407380 2010 RM_{173}	17.0	X	169.77042	332.68089	33.70794	7.82960	0.2234455	0.22078501	2.7111674	21	3 5.3	21.6
407381 2010 RY_{174}	17.4	X	148.35397	194.52292	173.68539	4.63970	0.1381968	0.22009896	2.7167983	21	2 4.8	21.6
407382 2010 RZ_{177}	16.7	X	119.48115	339.45720	33.29007	10.74985	0.1338207	0.21292953	2.7774449	21	1 12.4	20.7
407383 2010 RM_{179}	17.2	X	298.84307	282.98279	1.93681	14.83709	0.1210590	0.24177330	2.5519010	21	3 25.6	20.7
407384 2010 RD_{180}	17.2	X	161.87454	24.07383	10.88148	4.27751	0.1968492	0.22828918	2.6514239	21	3 27.3	21.3
407385 2010 RX_{180}	16.5	X	214.44595	58.93607	273.33912	7.79323	0.1263166	0.23127297	2.6285695	21	2 20.8	20.8
407386 2010 RY_{180}	16.2	X	224.05385	354.41482	35.07745	17.82108	0.1773634	0.23937886	2.5688901	21	5 10.1	20.4
407387 2010 SR_{13}	17.3	X	189.11097	91.61191	341.30299	4.72465	0.2116464	0.24307087	2.5428112	21	6 4.1	21.7
407388 2010 SY_{13}	16.3	X	149.58490	50.27061	22.37919	22.45846	0.0367216	0.23407313	2.6075642	21	4 15.6	20.0
407389 2010 SK_{27}	17.3	X	217.66273	146.94086	207.57163	3.93639	0.1722080	0.23439972	2.6051415	21	3 24.4	21.6
407390 2010 SC_{29}	17.2	X	157.92272	223.08784	114.83262	4.17869	0.0621128	0.21638544	2.7477931	21	1 2.6	21.1
407391 2010 SS_{32}	17.6	X	278.61655	210.46882	84.95893	4.04960	0.1297552	0.23941371	2.5686408	21	3 16.7	21.3
407392 2010 SD_{33}	17.7	X	230.52462	234.07475	91.64986	3.70932	0.2273310	0.23511284	2.5998711	21	3 1.4	22.1
407393 2010 SC_{34}	16.5	X	210.36467	343.14236	4.16945	11.69144	0.2411161	0.23127761	2.6285343	21	3 11.9	21.1
407394 2010 SO_{35}	17.5	X	154.91630	74.81959	343.30009	5.75864	0.2420215	0.23033416	2.6357071	21	4 18.9	22.0
407395 2010 TG_{14}	17.0	X	270.37747	40.74758	243.49481	4.15541	0.0488037	0.23097286	2.6308459	21	2 27.4	20.6
407396 2010 TN_{15}	17.1	X	165.80014	100.14042	267.92990	5.26589	0.0479850	0.22376038	2.6870800	21	2 12.9	21.0
407397 2010 TH_{18}	17.1	X	292.72046	7.12366	261.03001	4.33171	0.0669749	0.23595069	2.5937128	21	3 2.9	20.7
407398 2010 TL_{18}	17.4	X	285.37610	348.03561	295.15421	4.28277	0.2137719	0.24162635	2.5529356	21	2 22.9	21.4
407399 2010 TC_{20}	17.9	X	264.95483	217.20260	187.74627	5.76585	0.1013739	0.25733238	2.4479719	21	7 25.6	21.0
407400 2010 TK_{27}	16.9	X	91.70462	199.43685	221.78900	6.09340	0.0352506	0.21898891	2.7259714	21	1 18.5	20.5
407401 2010 TT_{28}	17.2	X	236.87428	30.18218	271.26659	1.71905	0.1285122	0.22946781	2.6423370	21	2 7.9	21.2
407402 2010 TZ_{30}	17.6	X	120.26184	29.90872	0.86221	5.73453	0.0649925	0.21773191	2.7364530	21	1 24.8	21.4
407403 2010 TA_{32}	17.6	X	51.99532	163.20048	306.69681	1.48500	0.1358249	0.21659394	2.7460294	21	2 4.2	20.7
407404 2010 TQ_{32}	17.6	X	178.49722	205.91491	175.39090	1.69779	0.0910384	0.22946208	2.6423810	21	3 20.2	21.4
407405 2010 TV_{40}	16.7	X	134.94275	81.69791	11.62869	21.88810	0.0921764	0.23456486	2.6039187	21	4 25.2	20.7
407406 2010 TV_{44}	17.3	X	165.19767	318.63533	3.11861	3.52743	0.0905635	0.21239701	2.7820854	21	—	—
407407 2010 TZ_{65}	17.6	X	118.91104	96.68674	357.51850	11.09137	0.1637806	0.23132214	2.6281970	21	4 20.2	21.5
407408 2010 TY_{77}	17.2	X	290.99226	243.11637	24.87317	13.59900	0.1783799	0.23416741	2.6068642	21	2 22.9	21.2
407409 2010 TQ_{80}	17.3	X	261.26399	104.29848	184.46287	7.53988	0.1266832	0.23001194	2.6381681	21	2 15.4	21.3
407410 2010 TZ_{81}	17.3	X	233.14393	136.52026	193.63743	5.23918	0.2508064	0.23397461	2.6082961	21	3 5.3	22.0
407411 2010 TR_{82}	17.3	X	151.58191	87.58944	292.61084	4.37909	0.0975693	0.22501297	2.6770985	21	2 17.5	21.1
407412 2010 TR_{89}	17.1	X	23.81026	318.98649	155.31468	4.08039	0.0502017	0.21386463	2.7693430	21	—	—
407413 2010 TM_{91}	17.2	X	176.01648	278.30557	25.88217	3.87049	0.0814363	0.21259979	2.7803160	21	—	—
407414 2010 TF_{93}	16.9	X	320.75052	187.26527	12.89085	7.63526	0.0754918	0.22141525	2.7060202	21	1 16.6	20.6
407415 2010 TK_{94}	17.6	X	179.98841	55.64940	15.89468	11.56151	0.0887599	0.24254870	2.5464594	21	5 21.1	21.5
407416 2010 TO_{94}	17.2	X	346.34944	81.78615	71.15590	0.72997	0.0125607	0.21532760	2.7567851	21	—	—
407417 2010 TZ_{94}	17.1	X	316.30488	185.36497	45.75853	3.11884	0.1510378	0.23145961	2.6271562	21	2 5.3	20.5
407418 2010 TM_{97}	17.1	X	241.51281	252.12915	24.06311	6.68988	0.1133386	0.22367166	2.6877905	21	1 16.8	21.3
407419 2010 TA_{99}	17.8	X	195.23348	207.62500	186.22326	7.36869	0.1396944	0.23760628	2.5816504	21	4 23.6	21.9
407420 2010 TT_{99}	17.3	X	128.92006	335.43467	34.95484	5.70939	0.0632596	0.21566397	2.7539179	21	1 9.5	21.1
407421 2010 TA_{100}	17.6	X	220.41448	168.74444	163.78264	3.48151	0.1132705	0.23110142	2.6298701	21	3 2.5	21.6
407422 2010 TB_{100}	16.9	X	109.59955	217.24951	163.04395	3.98412	0.1059098	0.21266892	2.7797135	21	1 3.1	20.6
407423 2010 TJ_{100}	17.3	X	128.92042	301.29695	63.87358	2.81944	0.0723664	0.21429830	2.7656055	21	1 3.9	21.1
407424 2010 TF_{103}	17.5	X	148.52376	293.15861	120.02067	3.06731	0.0829439	0.23001889	2.6381149	21	3 28.1	21.2
407425 2010 TX_{108}	16.9	X	44.69386	343.76435	183.36127	14.97627	0.0512683	0.23305317	2.6151666	21	4 3.2	20.1
407426 2010 TM_{115}	16.9	X	203.72182	110.82951	193.48636	4.31168	0.0977861	0.21839193	2.7309369	21	1 12.2	21.1
407427 2010 TV_{126}	17.2	X	247.71684	59.24997	246.15352	2.31073	0.0402928	0.22775371	2.6555781	21	3 1.5	20.9
407428 2010 TY_{126}	17.0	X	125.86834	306.86535	90.63069	3.87128	0.0753271	0.21877050	2.7277855	21	2 9.9	20.7
407429 2010 TS_{136}	16.2	X	232.90245	259.75228	35.61974	14.90361	0.0861221	0.22510072	2.6764027	21	2 5.6	20.5
407430 2010 TR_{140}	17.3	X	163.58862	32.11392	346.14296	5.93392	0.0312003	0.22271028	2.6955199	21	2 24.4	21.1
407431 2010 TP_{141}	17.0	X	90.34554	135.85177	10.88959	13.32361	0.1146846	0.23326363	2.6135935	21	5 16.4	20.6
407432 2010 TG_{143}	17.6	X	242.31205	322.48976	351.28606	5.93710	0.2018764	0.23130344	2.6283387	21	2 25.4	21.8
407433 2010 TM_{143}	17.2	X	88.75027	161.67483	291.94305	4.36069	0.0114485	0.22181097	2.7028008	21	2 21.4	20.9
407434 2010 TG_{162}	17.6	X	232.77609	202.34076	190.19075	13.43952	0.2758277	0.24333896	2.5409432	21	5 20.2	22.1
407435 2010 TO_{168}	15.6	X	283.27092	316.22056	27.91115	15.59672	0.1540563	0.24312592	2.5424273	21	5 15.8	19.3
407436 2010 TU_{168}	16.8	X	176.50108	68.01143	357.97397	12.97628	0.1429345	0.23566152	2.5958341	21	5 10.4	21.1
407437 2010 TG_{170}	16.6	X	240.09675	266.80105	44.61670	13.33072	0.1800593	0.22884106	2.6471594	21	2 27.9	21.1
407438 2010 TO_{171}	17.3	X	150.12163	20.71180	344.72107	2.85461	0.2008637	0.21689454	2.7434916	21	2 11.3	21.6
407439 2010 TN_{174}	17.6	X	231.71275	296.03092	42.36180	14.08153	0.1945603	0.23462135	2.6035007	21	3 23.3	22.1
407440 2010 TB_{179}	17.7	X	172.30541	142.90648	210.57435	3.11002	0.1192885	0.22272087	2.6954344	21	2 9.1	21.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
407441 2010 TQ_{181}	17.5	X	179.38311	313.66842	26.56713	5.46135	0.0678201	0.21851466	2.7299142	21	1 31.5	21.5
407442 2010 TH_{182}	16.2	X	21.11836	80.42976	257.60713	7.77800	0.0955926	0.17471987	3.1688950	21	10 15.9	20.4
407443 2010 TT_{186}	17.5	X	121.38842	73.15306	14.86529	4.65241	0.1051071	0.22822967	2.6518848	21	4 11.2	21.1
407444 2010 TS_{187}	16.9	X	180.77320	81.71179	271.07893	5.81343	0.0846444	0.22220890	2.6995731	21	2 13.6	21.1
407445 2010 UR	17.0	X	134.80167	73.42952	8.31863	4.71012	0.1354746	0.22909409	2.6452098	21	4 21.5	20.9
407446 2010 UY	17.1	X	32.65263	51.66834	35.15430	5.95092	0.0377764	0.20337564	2.8637610	21	—	—
407447 2010 UP_{1}	17.3	X	94.48512	109.31253	310.30741	3.30054	0.0567315	0.21540979	2.7560838	21	1 25.5	21.0
407448 2010 UE_{10}	17.0	X	166.34362	148.73499	210.16785	4.28870	0.1278787	0.21971815	2.7199365	21	2 10.3	21.2
407449 2010 UO_{19}	17.3	X	235.90039	89.75243	217.68023	7.72846	0.1107942	0.22563210	2.6721990	21	2 13.1	21.6
407450 2010 US_{21}	17.3	X	237.60126	267.71404	103.49494	5.53715	0.2283914	0.24144963	2.5541811	21	5 1.1	21.6
407451 2010 UQ_{26}	16.1	X	124.04406	258.54492	44.35855	10.60929	0.0178912	0.18944302	3.0025044	21	—	—
407452 2010 UW_{27}	16.2	X	180.50424	269.16077	55.26671	7.72732	0.1039980	0.21156333	2.7893892	21	1 16.6	20.5
407453 2010 UV_{30}	16.5	X	106.43588	109.04369	14.33037	6.58324	0.1251111	0.22960363	2.6412948	21	5 10.6	20.1
407454 2010 US_{35}	16.8	X	98.57717	260.23604	181.35127	5.05210	0.1416679	0.21915362	2.7246054	21	3 11.3	20.3
407455 2010 UK_{37}	16.2	X	92.65279	307.24511	44.34632	11.22316	0.1080120	0.19301030	2.9653939	21	—	—
407456 2010 UV_{39}	17.5	X	208.49456	10.43470	359.03014	2.16103	0.2380342	0.23425700	2.6061995	21	4 3.4	22.1
407457 2010 UT_{43}	16.7	X	115.21864	310.84496	63.04063	4.43928	0.1036361	0.20989012	2.8041940	21	1 3.2	20.5
407458 2010 UQ_{44}	17.2	X	185.10335	81.84820	318.80165	3.92484	0.2280284	0.23240118	2.6200555	21	4 21.5	21.8
407459 2010 UO_{49}	17.1	X	190.14536	215.94747	153.80770	3.89707	0.1106979	0.22793658	2.6541575	21	3 19.5	21.0
407460 2010 UR_{50}	16.5	X	72.73858	125.60273	349.23343	11.23460	0.1032811	0.21762273	2.7373682	21	3 12.6	19.8
407461 2010 UT_{56}	15.2	X	78.14984	41.24984	243.14472	26.86036	0.2180144	0.17536536	3.1611141	21	11 9.8	20.2
407462 2010 UH_{60}	15.8	X	244.90189	283.17624	255.02207	8.61829	0.0605819	0.18214820	3.0821431	21	12 18.4	20.1
407463 2010 UC_{62}	16.2	X	354.16446	183.43205	353.37166	7.59761	0.0980422	0.21585145	2.7523231	21	1 31.5	19.6
407464 2010 UC_{64}	17.0	X	181.11622	16.68987	17.50033	4.34497	0.1111064	0.22905203	2.6455336	21	4 8.8	20.9
407465 2010 UF_{64}	17.4	X	187.66547	19.39582	352.81560	2.36415	0.1781455	0.22711209	2.6605773	21	3 21.1	21.7
407466 2010 UB_{72}	17.3	X	93.00886	55.99257	340.91224	2.69543	0.1116376	0.20970667	2.8058292	21	1 3.7	20.9
407467 2010 UN_{72}	16.8	X	218.86661	26.71476	20.91471	2.68747	0.2366130	0.24004473	2.5641372	21	5 27.7	21.1
407468 2010 UK_{76}	17.2	X	232.71124	31.06462	319.86086	3.96455	0.2361448	0.23318412	2.6141875	21	3 29.6	21.7
407469 2010 UJ_{79}	16.4	X	166.16082	357.72958	25.09847	12.45898	0.0553521	0.22125491	2.7073273	21	3 11.9	20.4
407470 2010 UG_{80}	16.9	X	44.39544	87.69054	350.14029	7.02020	0.0270414	0.20292334	2.8680147	21	—	—
407471 2010 UX_{81}	16.2	X	56.37806	108.23446	229.61394	9.44918	0.1347876	0.18526968	3.0474259	21	12 11.3	20.6
407472 2010 UX_{84}	17.4	X	192.52564	22.84063	57.94553	5.53786	0.2992724	0.23821348	2.5772615	21	6 16.4	22.0
407473 2010 UG_{93}	16.7	X	109.88864	115.21209	275.01689	5.83298	0.1064711	0.20900793	2.8120792	21	1 16.5	20.3
407474 2010 UP_{93}	16.3	X	120.35835	28.56531	279.69517	6.46178	0.2772774	0.19766045	2.9187005	21	—	—
407475 2010 UQ_{95}	16.9	X	134.48785	245.48944	191.81927	8.76025	0.2765925	0.22255628	2.6967632	21	5 1.8	21.4
407476 2010 UV_{95}	17.4	X	211.26630	235.90090	147.98272	3.31452	0.2437245	0.23558723	2.5963798	21	4 24.2	22.0
407477 2010 UZ_{95}	16.8	X	230.53916	238.23910	140.93356	8.51504	0.1952253	0.23912953	2.5706754	21	5 7.8	21.1
407478 2010 UG_{100}	16.8	X	156.33232	257.88915	59.79028	9.14239	0.0586401	0.20657450	2.8341201	21	—	—
407479 2010 UO_{100}	15.8	X	245.07319	274.62639	268.82746	9.25700	0.0609868	0.19124186	2.9836468	21	12 26.7	19.9
407480 2010 UW_{101}	17.1	X	212.46329	129.17054	215.75644	8.85527	0.1108445	0.22903819	2.6456402	21	3 7.3	21.2
407481 2010 UU_{102}	16.9	X	113.47592	331.74587	74.32954	5.76749	0.0916376	0.21390379	2.7690050	21	2 9.4	20.7
407482 2010 UU_{104}	17.1	X	143.43583	206.53801	115.98566	3.15429	0.0653328	0.20210036	2.8757954	21	—	—
407483 2010 UM_{106}	16.4	X	223.17886	99.72519	292.80777	7.44048	0.2172871	0.23823476	2.5771081	21	5 11.9	20.8
407484 2010 VL_{12}	17.2	X	206.74684	331.42009	60.06078	7.10893	0.1995428	0.23523284	2.5989869	21	4 30.6	21.5
407485 2010 VB_{15}	17.0	X	173.76766	41.31075	298.39918	5.11600	0.0653194	0.21468832	2.7622550	21	1 23.1	21.0
407486 2010 VF_{19}	17.1	X	217.46270	319.02745	65.52766	5.46224	0.1276989	0.23630693	2.5911054	21	5 3.7	21.1
407487 2010 VK_{21}	17.0	X	163.00112	352.84866	49.10239	7.45677	0.1446807	0.22464979	2.6799830	21	4 5.2	21.2
407488 2010 VG_{34}	16.6	X	134.86516	310.84716	86.55747	5.30531	0.1287414	0.21650090	2.7468160	21	2 28.9	20.6
407489 2010 VN_{48}	16.6	X	232.75514	312.42966	71.25577	8.31957	0.1690994	0.23657246	2.5891662	21	5 15.3	20.8
407490 2010 VN_{52}	17.1	X	190.30261	165.68350	191.74899	3.01958	0.1077256	0.22303265	2.6929218	21	3 3.5	21.3
407491 2010 VB_{55}	17.1	X	99.99333	286.24749	95.20153	3.18275	0.0991818	0.20465229	2.8518388	21	—	—
407492 2010 VQ_{58}	16.5	X	121.16508	112.77391	9.00209	12.33069	0.1302053	0.23297362	2.6157619	21	5 25.0	20.5
407493 2010 VZ_{64}	16.2	X	234.17794	271.44417	295.69079	6.74011	0.0266469	0.18994303	2.9972328	21	—	—
407494 2010 VR_{73}	17.3	X	208.99624	125.90490	224.44657	1.43327	0.1625877	0.22931137	2.6435386	21	3 12.5	21.6
407495 2010 VJ_{76}	16.8	X	111.26250	220.56562	196.79019	2.70006	0.0857232	0.21694770	2.7430435	21	2 16.4	20.4
407496 2010 VE_{77}	16.9	X	165.33930	109.21300	265.99664	1.89371	0.0915163	0.22079536	2.7110826	21	2 26.8	20.8
407497 2010 VV_{83}	17.4	X	132.21879	61.11787	353.72960	0.53291	0.0925512	0.21816007	2.7328715	21	3 12.5	21.2
407498 2010 VC_{84}	15.9	X	213.68782	118.94040	60.35411	11.70519	0.0208355	0.17729042	3.1381898	21	11 17.9	20.4
407499 2010 VM_{84}	16.7	X	147.03150	119.48899	251.15227	3.37409	0.0849587	0.21150136	2.7899340	21	2 1.7	20.8
407500 2010 VZ_{85}	16.1	X	3.42604	346.35546	63.83692	10.11111	0.1265996	0.18341884	3.0678922	21	12 27.0	19.9
407501 2010 VF_{89}	15.9	X	269.60834	267.47330	254.13011	9.83987	0.0908707	0.18495966	3.0508302	21	12 25.5	19.9
407502 2010 VD_{90}	16.2	X	312.06439	224.98069	254.93896	3.72002	0.1066138	0.18535507	3.0464899	21	—	—
407503 2010 VP_{91}	17.4	X	212.72084	75.52310	312.10315	0.98247	0.2064664	0.23404496	2.6077734	21	4 29.2	21.7
407504 2010 VL_{95}	17.4	X	148.27917	34.91337	23.60240	2.95818	0.1206656	0.22508080	2.6765606	21	4 6.6	21.2
407505 2010 VZ_{97}	17.5	X	112.75125	66.00403	10.10003	1.58301	0.1857707	0.21950205	2.7217214	21	3 28.8	21.2
407506 2010 VH_{98}	17.0	X	156.86249	295.74646	60.87659	3.45572	0.1234509	0.21539485	2.7562113	21	1 31.9	21.1
407507 2010 VQ_{101}	17.1	X	127.72861	357.78380	59.40207	5.15053	0.1074563	0.21809390	2.7334242	21	3 14.8	21.0
407508 2010 VJ_{103}	15.8	X	223.33605	118.13946	68.70944	12.91167	0.1052553	0.17970632	3.1100007	21	11 28.2	20.4
407509 2010 VZ_{104}	17.1	X	137.69597	176.54949	193.30357	4.14125	0.0833993	0.21089044	2.7953195	21	1 21.1	21.1
407510 2010 VD_{105}	16.7	X	237.75108	189.80524	88.96664	4.86676	0.1138705	0.21411720	2.7671648	21	1 16.6	20.9
407511 2010 VL_{114}	15.8	X	214.56020	148.89939	47.05454	13.20357	0.0707684	0.18073497	3.0981891	21	12 1.7	20.5
407512 2010 VS_{114}	17.1	X	182.49576	94.82510	291.47568	3.55690	0.1782132	0.22611487	2.6683940	21	4 1.1	21.5
407513 2010 VS_{115}	16.8	X	126.75184	11.19596	22.54634	15.86417	0.0775021	0.21510155	2.7587162	21	2 13.6	20.9
407514 2010 VL_{128}	16.9	X	158.14876	57.92615	297.15061	2.54584	0.1060022	0.21425766	2.7659552	21	1 28.6	20.9
407515 2010 VR_{134}	17.1	X	115.01778	25.44998	54.60398	5.83615	0.0956796	0.22030743	2.7150841	21	3 26.6	20.9
407516 2010 VU_{134}	17.2	X	207.86539	285.00883	77.54136	3.09160	0.1040834	0.22823096	2.6518748	21	3 29.1	21.2
407517 2010 VV_{135}	16.9	X	74.82045	335.03005	52.08935	10.56152	0.0929903	0.19924470	2.9032083	21	—	—
407518 2010 VQ_{136}	16.4	X	203.71382	0.69023	237.63132	9.66235	0.0641483	0.19102518	2.9859026	21	—	—
407519 2010 VZ_{140}	17.2	X	256.84059	160.73909	123.63896	4.71134	0.0460608	0.22017196	2.7161977	21	2 16.4	20.9
407520 2010 VW_{150}	16.9	X	104.43635	350.35066	86.04675	6.60209	0.1040747	0.21644779	2.7472653	21	3 11.1	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
407521 2010 VC_{158}	17.4	X	146.57724	235.77444	155.95613	3.79053	0.0812086	0.21820471	2.7324987	21	2 26.8	21.2
407522 2010 VS_{161}	16.3	X	39.95848	90.67990	48.52178	13.90301	0.0542646	0.21539045	2.7562488	21	2 27.9	20.1
407523 2010 VU_{172}	16.1	X	96.56909	239.59385	70.15104	12.04170	0.0512803	0.18131379	3.0915919	21	12 11.6	20.7
407524 2010 VA_{174}	16.2	X	199.94084	245.17679	61.19803	14.23016	0.1565141	0.21241309	2.7819450	21	1 15.9	20.9
407525 2010 VY_{174}	17.0	X	194.68342	289.37931	66.92492	7.14901	0.0506437	0.22111458	2.7084727	21	3 9.9	21.0
407526 2010 VT_{191}	16.4	X	61.20666	57.55595	63.52482	9.60482	0.1508330	0.21394033	2.7686896	21	3 15.6	19.7
407527 2010 VG_{192}	17.3	X	149.90425	43.95908	351.32707	4.58174	0.1676950	0.21900754	2.7258169	21	3 15.0	21.6
407528 2010 VM_{196}	16.9	X	224.14296	17.85275	282.03549	3.46213	0.1031728	0.21684924	2.7438737	21	1 27.5	21.0
407529 2010 VL_{200}	16.7	X	162.31279	345.80058	77.61202	11.01419	0.2924932	0.22764635	2.6564130	21	5 8.4	21.5
407530 2010 VG_{201}	16.9	X	111.94452	287.92462	143.47024	4.92583	0.2425906	0.21619347	2.7494194	21	3 31.5	20.9
407531 2010 VH_{203}	17.1	X	150.18113	62.30681	341.44380	4.93028	0.0681082	0.22546689	2.6735042	21	3 14.9	20.9
407532 2010 VV_{205}	16.6	X	150.11062	329.90379	48.37589	6.79525	0.0522070	0.21708904	2.7418527	21	2 14.1	20.6
407533 2010 VP_{207}	16.7	X	65.16743	117.41081	29.40922	14.92944	0.0632716	0.22494455	2.6776413	21	4 9.5	20.0
407534 2010 VQ_{211}	16.6	X	318.66447	331.10870	237.91666	5.21607	0.0133085	0.21485647	2.7608136	21	1 31.5	20.4
407535 2010 VQ_{217}	16.2	X	1.43026	41.22270	30.19769	9.92333	0.0513591	0.19179859	2.9778703	21	—	—
407536 2010 WB_{7}	16.5	X	63.70834	302.65277	71.94950	8.26868	0.1003666	0.19086801	2.9875416	21	—	—
407537 2010 WO_{8}	15.8	X	249.69667	90.22036	95.87573	11.35286	0.0797791	0.17712009	3.1402014	21	12 30.0	20.2
407538 2010 WX_{13}	16.9	X	93.24479	349.39451	93.87367	3.87940	0.0538673	0.21512373	2.7585265	21	2 24.1	20.6
407539 2010 WJ_{15}	17.1	X	179.24830	170.80640	195.38234	2.71043	0.1174245	0.22027737	2.7153311	21	3 3.9	21.3
407540 2010 WP_{21}	17.3	X	180.78283	290.30674	57.79697	1.07743	0.1035707	0.21519315	2.7579332	21	2 12.7	21.5
407541 2010 WH_{27}	16.6	X	323.61530	214.17702	271.98288	3.88747	0.0496013	0.19087522	2.9874663	21	—	—
407542 2010 WV_{27}	17.1	X	224.79230	9.34745	297.68177	2.73405	0.0797127	0.21491583	2.7603052	21	2 6.6	21.1
407543 2010 WF_{30}	16.8	X	210.79732	208.45862	73.08722	3.16525	0.0298005	0.20298849	2.8674011	21	—	—
407544 2010 WT_{32}	16.4	X	246.20295	115.00789	87.90923	4.27291	0.1086913	0.18914066	3.0057034	21	—	—
407545 2010 WL_{48}	16.9	X	147.81053	108.58321	260.46524	4.26717	0.0675670	0.21022483	2.8012167	21	1 29.8	20.9
407546 2010 WA_{50}	16.7	X	222.06430	353.65468	14.67314	5.32470	0.3222933	0.23528731	2.5985857	21	4 9.9	21.5
407547 2010 WD_{52}	15.5	X	45.60980	329.99426	61.73773	11.03145	0.0776880	0.18940653	3.0028900	21	—	—
407548 2010 WD_{55}	16.0	X	202.10001	285.65343	91.98397	7.09079	0.0589723	0.22030658	2.7150911	21	4 14.1	20.0
407549 2010 WP_{64}	16.9	X	225.32625	341.36578	61.45983	8.06610	0.1819721	0.23949111	2.5680873	21	5 30.4	21.0
407550 2010 WK_{71}	16.2	X	255.39342	338.61384	8.05782	5.23866	0.2968335	0.23936699	2.5689750	21	4 8.4	20.5
407551 2010 WW_{73}	15.2	X	359.75780	304.66444	93.26441	13.22786	0.1145731	0.17579369	3.1559772	21	12 4.7	19.1
407552 2010 XR_{9}	17.1	X	162.69407	286.60296	128.78050	4.10972	0.1744444	0.22551624	2.6731142	21	4 22.6	21.4
407553 2010 XD_{30}	16.8	X	219.18602	308.06706	83.09757	11.76407	0.1377360	0.23729255	2.5839255	21	5 15.0	20.9
407554 2010 XM_{30}	16.4	X	305.23020	66.50608	73.20463	12.13904	0.0184248	0.19080652	2.9881833	21	—	—
407555 2010 XW_{33}	16.7	X	243.69662	190.98053	84.56194	3.49550	0.0302239	0.20926725	2.8097555	21	1 24.3	20.7
407556 2010 XJ_{36}	16.7	X	107.48291	3.44434	86.21590	10.06628	0.1370184	0.21722544	2.7407048	21	4 7.7	20.6
407557 2010 XK_{45}	15.9	X	307.19427	265.25669	243.30084	7.36427	0.1648215	0.18766204	3.0214710	21	—	—
407558 2010 XE_{62}	16.1	X	347.70442	217.06023	256.19398	7.73381	0.1892805	0.18930976	3.0039132	21	—	—
407559 2010 XA_{65}	15.5	X	326.63008	12.80744	114.43529	19.29651	0.1661891	0.17942598	3.1132393	21	—	—
407560 2010 XN_{65}	16.5	X	249.62227	250.62899	127.96865	6.06671	0.1738728	0.24055288	2.5605249	21	5 25.6	20.5
407561 2010 XE_{66}	16.6	X	3.68727	12.96396	113.47749	9.46876	0.1317500	0.19171021	2.9787854	21	—	—
407562 2010 XT_{75}	17.2	X	225.40613	160.69117	229.05046	2.05770	0.1598384	0.23583125	2.5945885	21	5 15.6	21.4
407563 2010 XA_{78}	17.1	X	248.97740	275.00555	94.19401	1.17762	0.2040203	0.23873534	2.5735043	21	5 8.9	21.0
407564 2010 XG_{79}	17.6	X	100.74832	298.88816	145.18498	3.64534	0.1993732	0.21386485	2.7693411	21	3 28.4	21.3
407565 2010 XG_{86}	15.4	X	29.07550	349.63779	84.15842	10.97756	0.0359628	0.19298686	2.9656340	21	—	—
407566 2010 XH_{86}	15.6	X	30.12570	294.69749	83.51601	15.60636	0.0648330	0.18056246	3.1001621	21	12 16.8	19.8
407567 2010 XJ_{86}	16.7	X	199.73016	306.47664	81.00982	7.85076	0.2550875	0.23074243	2.6325971	21	4 21.8	21.4
407568 2010 YR_{2}	16.0	X	336.80601	6.61713	66.67221	10.51793	0.0726409	0.17413024	3.1760445	21	12 10.1	20.2
407569 2010 YA_{3}	16.8	X	144.41662	136.55692	274.69089	15.45562	0.3223413	0.22068441	2.7119912	21	4 3.4	21.9
407570 2010 YU_{3}	15.7	X	265.47007	104.30648	70.35554	10.34048	0.0773390	0.17750086	3.1357089	21	—	—
407571 2011 AY_{4}	16.3	X	131.69292	295.13695	110.08151	10.17925	0.1710474	0.20902290	2.8119448	21	3 14.8	20.6
407572 2011 AY_{6}	16.0	X	9.62890	144.13302	283.18879	7.69344	0.0929960	0.18168381	3.0873929	21	—	—
407573 2011 AE_{8}	15.5	X	65.84391	84.12737	293.81493	8.97087	0.1064661	0.18428798	3.0582387	21	—	—
407574 2011 AX_{8}	15.9	X	118.57025	222.77952	105.40120	13.11405	0.1232945	0.18398382	3.0616083	21	—	—
407575 2011 AS_{9}	16.0	X	290.76211	198.83131	300.41724	8.12601	0.0844169	0.17593326	3.1543079	21	12 26.4	20.1
407576 2011 AH_{11}	17.1	X	210.14849	218.91531	204.70393	6.03572	0.3020329	0.23570672	2.5955022	21	6 8.3	21.8
407577 2011 AT_{20}	16.8	X	31.71745	98.51443	308.90727	7.67079	0.1815101	0.18285166	3.0742330	21	—	—
407578 2011 AA_{31}	15.7	X	72.15806	64.84862	304.13031	9.83937	0.0910984	0.17992415	3.1074900	21	—	—
407579 2011 AU_{32}	16.1	X	83.85685	300.94376	97.96596	8.49796	0.0569788	0.19174259	2.9784500	21	—	—
407580 2011 AZ_{33}	15.6	X	259.38795	48.77816	105.48049	17.01694	0.0465992	0.17126879	3.2113223	21	12 9.5	20.2
407581 2011 AW_{39}	16.6	X	24.44956	40.25430	51.24580	4.00498	0.0813993	0.18914450	3.0056627	21	—	—
407582 2011 AQ_{44}	16.2	X	304.73778	144.39787	318.45233	4.17850	0.1412387	0.16990134	3.2285301	21	11 23.3	20.1
407583 2011 AE_{46}	16.4	X	7.14150	129.14888	306.72913	9.40714	0.2466396	0.18144913	3.0900543	21	—	—
407584 2011 AL_{47}	15.5	X	7.85620	305.85407	115.37442	17.57504	0.1132932	0.17967003	3.1104194	21	—	—
407585 2011 AA_{48}	16.2	X	86.57135	256.98802	126.80739	11.03091	0.1291631	0.19146985	2.9812779	21	—	—
407586 2011 AD_{48}	15.7	X	262.66059	83.64664	85.39563	11.13796	0.0306353	0.17584972	3.1553068	21	12 31.8	20.2
407587 2011 AF_{55}	16.0	X	148.00476	181.44545	110.78803	11.15228	0.0652509	0.17955196	3.1117828	21	—	—
407588 2011 AE_{56}	16.8	X	35.38514	341.00391	93.95099	3.98468	0.2064671	0.18891468	3.0080998	21	—	—
407589 2011 AG_{61}	15.4	X	26.35104	321.10621	107.49804	11.02245	0.0337171	0.18277520	3.0750902	21	—	—
407590 2011 AU_{65}	16.5	X	331.67664	125.13939	315.58691	12.55350	0.1492836	0.17241809	3.1970358	21	12 11.6	20.5
407591 2011 AF_{68}	16.2	X	54.90925	82.96808	310.72046	8.28314	0.0413583	0.17739026	3.1370122	21	—	—
407592 2011 AK_{72}	16.3	X	124.97428	319.63000	105.70242	13.76356	0.1393066	0.21807269	2.7336015	21	3 30.2	20.5
407593 2011 AH_{75}	15.5	X	354.02492	346.43466	114.52225	11.52062	0.1062927	0.17996517	3.1070178	21	—	—
407594 2011 AT_{75}	16.0	X	90.93253	256.66685	99.11085	5.78625	0.1265342	0.17764527	3.1340093	21	—	—
407595 2011 AR_{76}	15.8	X	6.20717	342.33273	112.21197	10.69865	0.0696990	0.18464050	3.0543449	21	—	—
407596 2011 AL_{78}	16.2	X	346.88933	337.19842	131.60780	12.92412	0.1073334	0.18257898	3.0772931	21	—	—
407597 2011 AQ_{79}	15.9	X	84.44272	63.40913	310.22519	9.00875	0.0846674	0.18501138	3.0502616	21	—	—
407598 2011 BP_{9}	15.9	X	264.17389	212.70997	304.80765	12.25874	0.1259964	0.17136052	3.2101761	21	12 5.5	20.4
407599 2011 BQ_{10}	16.0	X	221.32987	74.71371	132.11962	9.98131	0.0341934	0.17355750	3.1830280	21	12 26.9	20.6
407600 2011 BV_{27}	16.3	X	353.44970	284.76473	149.66396	16.16055	0.1959037	0.17313238	3.1882364	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
407601 2011 BO_{32}	16.0	X	14.69139	149.10270	279.18054	5.07104	0.1109191	0.18018547	3.1044848	21	—	—
407602 2011 BL_{52}	15.8	X	336.04370	134.81139	336.42744	15.37585	0.2645459	0.17829716	3.1263656	21	—	—
407603 2011 BA_{54}	16.3	X	351.93635	137.77221	319.52629	13.59139	0.1214892	0.17945716	3.1128786	21	—	—
407604 2011 BS_{56}	16.1	X	338.08644	120.62129	15.04930	9.08013	0.0921877	0.18367249	3.0650671	21	—	—
407605 2011 BB_{60}	15.8	X	27.32967	15.26518	71.90265	10.76794	0.0645889	0.18726848	3.0257028	21	—	—
407606 2011 BR_{80}	15.7	X	52.39191	277.03633	131.35358	11.40390	0.1385649	0.18143200	3.0902488	21	—	—
407607 2011 BD_{83}	17.0	X	112.69242	29.82762	92.69437	4.59817	0.1478117	0.21786392	2.7353475	21	5 23.3	21.0
407608 2011 BB_{96}	16.2	X	0.56581	107.21547	318.03071	16.48088	0.0446286	0.17546540	3.1599125	21	—	—
407609 2011 BY_{100}	16.4	X	342.29354	300.62064	166.49119	10.23675	0.2029705	0.17767083	3.1337087	21	—	—
407610 2011 BZ_{102}	16.4	X	357.38190	0.29672	97.08277	8.16514	0.1211726	0.18164729	3.0878066	21	—	—
407611 2011 BH_{115}	16.7	X	324.64684	256.15772	171.06452	0.68406	0.1158411	0.16851837	3.2461696	21	11 13.0	20.5
407612 2011 BX_{116}	16.2	X	351.86148	159.94473	320.03779	9.41893	0.1395390	0.18817751	3.0159507	21	—	—
407613 2011 BC_{118}	16.4	X	86.51902	94.10493	289.36233	8.64374	0.1110657	0.19110570	2.9850638	21	—	—
407614 2011 BB_{120}	16.3	X	73.18054	212.34765	160.04511	5.54515	0.1250896	0.17924023	3.1153898	21	—	—
407615 2011 BH_{122}	16.3	X	34.35077	82.15321	309.84980	13.68922	0.0933583	0.17537019	3.1610561	21	—	—
407616 2011 CP_{1}	15.7	X	320.70780	139.61266	330.41199	14.39017	0.1419125	0.17285719	3.1916193	21	—	—
407617 2011 CG_{4}	15.2	X	277.94854	148.89137	345.85945	12.34994	0.1129724	0.16687356	3.2674657	21	11 24.2	19.8
407618 2011 CR_{7}	15.8	X	332.92666	300.27253	152.85009	27.45456	0.1882464	0.17253678	3.1955695	21	—	—
407619 2011 CZ_{15}	16.2	X	332.57646	358.17391	118.86000	12.11405	0.1356562	0.17736974	3.1372541	21	—	—
407620 2011 CP_{16}	16.3	X	16.93642	125.05015	322.75954	5.29496	0.1248538	0.18223810	3.0811294	21	—	—
407621 2011 CN_{23}	16.5	X	332.70266	182.85165	268.56782	4.03108	0.1405549	0.17369678	3.1813262	21	12 27.5	20.2
407622 2011 CD_{33}	16.6	X	5.10601	217.21431	231.68051	3.76163	0.1942663	0.18344109	3.0676441	21	—	—
407623 2011 CU_{47}	15.7	X	317.37224	327.76720	139.48639	15.47442	0.2481110	0.17512105	3.1640535	21	12 17.6	19.1
407624 2011 CF_{49}	15.5	X	314.37705	130.63990	5.99056	11.16664	0.0489349	0.17847078	3.1243377	21	—	—
407625 2011 CU_{70}	15.7	X	76.96752	65.95413	312.62788	10.60357	0.1435720	0.17840492	3.1251065	21	—	—
407626 2011 CL_{74}	18.0	X	15.44552	330.04068	161.71719	21.19814	0.0706982	0.37967879	1.8888254	21	—	—
407627 2011 CO_{74}	16.3	X	7.71088	44.95355	52.28771	6.45937	0.2521756	0.18517124	3.0485058	21	—	—
407628 2011 CY_{75}	16.0	X	323.73382	108.12590	35.93891	4.26873	0.1774003	0.17805445	3.1292061	21	—	—
407629 2011 CA_{76}	15.8	X	302.90580	150.65140	1.45881	10.94067	0.2125948	0.17390190	3.1788241	21	—	—
407630 2011 CF_{76}	15.8	X	38.29318	101.12419	319.29050	26.76163	0.1829396	0.18680360	3.0307205	21	—	—
407631 2011 CP_{83}	16.3	X	328.19197	304.32375	166.57601	9.91491	0.0637865	0.17239224	3.1973554	21	—	—
407632 2011 CZ_{91}	16.1	X	198.31655	82.63719	162.92407	10.39255	0.0168173	0.17314157	3.1881236	21	—	—
407633 2011 DF	15.4	X	357.31316	72.01813	317.41136	10.76125	0.0448771	0.15964811	3.3653238	21	11 7.6	20.2
407634 2011 DJ_{6}	16.5	X	352.29364	302.87024	129.72165	3.66672	0.0295446	0.17312732	3.1882985	21	12 28.6	20.9
407635 2011 DB_{9}	15.2	X	309.47799	145.09090	12.42645	18.14021	0.1349272	0.17875666	3.1210056	21	—	—
407636 2011 DV_{24}	15.8	X	28.57951	37.17193	71.58139	11.66442	0.2333680	0.19014593	2.9951002	21	—	—
407637 2011 DQ_{31}	17.6	X	156.58873	206.66989	178.30390	21.95762	0.0731302	0.38418199	1.8740365	21	1 26.2	19.9
407638 2011 DP_{41}	15.8	X	6.43058	252.64984	167.29917	16.28423	0.2120303	0.16992690	3.2282064	21	—	—
407639 2011 DZ_{49}	15.4	X	325.49221	111.96018	0.44516	11.15020	0.1782015	0.17121656	3.2119754	21	—	—
407640 2011 EM	15.7	X	327.81876	106.69825	14.02481	26.25743	0.2029596	0.17400520	3.1775659	21	—	—
407641 2011 EF_{16}	15.7	X	343.16123	95.66238	21.92282	8.76004	0.1959409	0.17653857	3.1470935	21	—	—
407642 2011 EQ_{54}	15.9	X	343.76322	119.49595	8.12222	9.95347	0.1846312	0.17898996	3.1182931	21	—	—
407643 2011 EK_{63}	15.9	X	329.45124	21.98217	105.88304	16.41334	0.2304230	0.17475600	3.1684582	21	—	—
407644 2011 EL_{63}	15.5	X	292.96910	126.20708	70.25250	16.17067	0.1609278	0.17633961	3.1494603	21	—	—
407645 2011 EF_{76}	15.5	X	330.96886	107.57478	26.78169	22.04909	0.1703906	0.17455138	3.1709340	21	—	—
407646 2011 FB_{3}	15.2	X	25.74237	64.17486	26.49459	23.40909	0.1305794	0.17941844	3.1133264	21	—	—
407647 2011 FM_{17}	18.2	X	327.84718	58.84641	188.81478	23.29685	0.1134208	0.38722985	1.8641900	21	2 13.4	20.6
407648 2011 FU_{47}	17.5	X	262.01195	302.61687	34.20013	22.84256	0.0193244	0.39169400	1.8499988	21	4 18.6	18.9
407649 2011 FK_{70}	15.9	X	340.09319	97.50308	8.73208	25.06121	0.2311943	0.17486749	3.1671113	21	—	—
407650 2011 FV_{123}	15.6	X	4.61411	249.84974	190.45754	13.69640	0.1428889	0.17072272	3.2181664	21	—	—
407651 2011 GJ_{56}	15.6	X	315.85251	90.50034	90.78901	13.05796	0.1418768	0.17604698	3.1529494	21	—	—
407652 2011 GK_{88}	15.8	X	339.50211	328.00160	178.24563	27.61107	0.1277503	0.18319193	3.0704250	21	—	—
407653 2011 QF_{3}	17.0	X	21.43120	315.42962	172.61742	9.77026	0.5129176	0.33507939	2.0529147	21	—	—
407654 2011 SP_{37}	18.7	X	42.03574	188.54596	183.76679	4.85622	0.1628567	0.31293368	2.1486607	21	—	—
407655 2011 SF_{100}	17.6	X	308.14600	345.70317	33.02093	4.44409	0.1110800	0.28990067	2.2610139	21	8 29.7	19.7
407656 2011 SL_{102}	18.2	X	322.40361	52.06200	59.39397	9.99940	0.4913422	0.30189997	2.2006991	21	—	—
407657 2011 SM_{139}	18.1	X	242.74756	315.91474	183.99388	4.42954	0.0153788	0.30454430	2.1879416	21	11 28.5	20.6
407658 2011 SS_{159}	17.3	X	58.04807	353.89247	239.02992	6.61494	0.0755965	0.28095621	2.3087503	21	7 26.6	20.0
407659 2011 SU_{163}	17.8	X	23.41619	88.53061	241.68437	5.63019	0.1622470	0.29964498	2.2117263	21	11 13.0	19.8
407660 2011 SD_{166}	18.2	X	266.62453	84.72800	339.32689	1.50886	0.1125741	0.28776125	2.2722067	21	8 26.2	20.6
407661 2011 SV_{166}	18.1	X	288.43719	104.44020	322.16809	7.54586	0.0522597	0.29679295	2.2258727	21	10 10.1	20.7
407662 2011 SR_{177}	17.8	X	184.76405	100.75026	14.23569	8.31264	0.0835809	0.28137317	2.3064689	21	7 30.7	21.1
407663 2011 SO_{179}	17.7	X	7.68481	35.67721	262.17427	1.84717	0.1767911	0.28699797	2.2762336	21	8 20.4	19.3
407664 2011 SG_{181}	17.5	X	227.13584	56.69400	354.42349	5.99349	0.1141325	0.27200652	2.3591190	21	6 16.3	20.9
407665 2011 SN_{182}	18.7	X	336.81572	42.75297	1.08283	5.03343	0.1458410	0.30094208	2.2053665	21	12 6.7	20.5
407666 2011 SL_{183}	16.5	X	35.84589	70.30402	22.33421	9.86645	0.0911032	0.22757360	2.6569790	21	—	—
407667 2011 SY_{185}	17.9	X	244.08821	147.39864	0.73297	6.08964	0.0772730	0.30515767	2.1850088	21	11 30.1	20.4
407668 2011 SE_{189}	17.8	X	292.92338	216.22432	177.10167	7.06527	0.1047361	0.28582039	2.2824814	21	8 21.6	20.3
407669 2011 SA_{220}	18.4	X	0.00915	106.99889	203.29771	5.10600	0.2044167	0.29265432	2.2468087	21	8 25.1	19.7
407670 2011 SC_{228}	18.0	X	315.72971	96.98750	297.59486	3.47555	0.1703584	0.29380380	2.2409445	21	9 29.8	19.7
407671 2011 SA_{253}	18.2	X	274.64207	272.13713	164.73237	3.22558	0.1734731	0.29260280	2.2470724	21	9 17.0	20.4
407672 2011 SR_{260}	16.6	X	111.67351	339.24538	227.07693	11.53686	0.1475207	0.28121869	2.3073134	21	9 6.4	20.2
407673 2011 SL_{274}	17.5	X	321.32710	254.97402	143.74040	6.25595	0.0698859	0.30055080	2.2072802	21	10 30.2	19.7
407674 2011 UV_{14}	17.5	X	121.39269	274.38345	344.91455	5.84458	0.0188305	0.30173493	2.2015015	21	11 25.8	20.2
407675 2011 UG_{27}	17.8	X	230.60145	236.08664	201.89015	6.42908	0.0902289	0.27754759	2.3276146	21	7 28.7	21.0
407676 2011 UX_{27}	17.5	X	252.88557	269.75192	197.31650	6.17286	0.0297568	0.29252003	2.2474962	21	10 22.6	20.1
407677 2011 UQ_{28}	17.6	X	23.35988	301.76472	1.11480	5.86409	0.1106823	0.28624958	2.2801993	21	9 22.1	19.9
407678 2011 UE_{38}	18.3	X	260.22981	240.96956	178.22505	2.19089	0.1983007	0.27934629	2.3176122	21	7 26.2	21.2
407679 2011 UD_{42}	18.8	X	27.20958	157.62675	215.80561	4.31377	0.1605752	0.30987152	2.1627929	21	—	—
407680 2011 UT_{42}	17.3	X	177.99553	259.21435	209.98358	12.28099	0.0937371	0.27304586	2.3531285	21	7 8.9	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
407681 2011 UC_{47}	18.1	X	47.39388	9.48211	334.14179	3.07624	0.1809745	0.30784314	2.1722830	21	—	—
407682 2011 UN_{49}	17.3	X	101.56614	232.02107	42.74654	8.31704	0.1584831	0.30271372	2.1967534	21	12 1.5	20.7
407683 2011 UJ_{54}	18.0	X	2.60331	279.55846	42.99462	7.03221	0.1101164	0.28566992	2.2832828	21	9 17.9	20.1
407684 2011 UG_{55}	17.7	X	346.43454	2.98469	45.52822	7.22149	0.1488251	0.30146153	2.2028324	21	—	—
407685 2011 UW_{59}	18.3	X	2.54490	156.19012	239.97420	2.54080	0.1409168	0.30613658	2.1803484	21	—	—
407686 2011 UE_{69}	16.6	X	19.60329	210.87751	307.51200	6.35363	0.3059770	0.23798898	2.5788821	21	1 21.2	18.1
407687 2011 UD_{83}	17.5	X	223.57315	210.84165	263.06330	4.55280	0.1002551	0.28255080	2.3000557	21	9 6.8	20.6
407688 2011 UE_{84}	18.1	X	235.45680	48.55571	12.18784	3.79892	0.1723273	0.27233590	2.3572164	21	7 4.0	21.7
407689 2011 UO_{84}	17.1	X	240.44530	49.41645	27.01919	6.96610	0.1025554	0.27708625	2.3301975	21	8 11.8	20.3
407690 2011 UK_{86}	17.6	X	170.32083	287.23967	225.52022	6.01595	0.0577940	0.27938251	2.3174119	21	8 29.2	20.8
407691 2011 UJ_{87}	18.6	X	13.70725	10.39536	22.54153	4.36218	0.1058671	0.30816230	2.1707828	21	—	—
407692 2011 UV_{91}	18.3	X	191.29552	133.11781	338.86261	3.18921	0.2120157	0.27300746	2.3533492	21	7 27.1	22.0
407693 2011 UN_{96}	17.7	X	66.39809	56.48740	210.06936	5.80629	0.0951995	0.29175004	2.2514489	21	10 2.3	20.5
407694 2011 UD_{100}	18.1	X	215.19902	221.31265	242.28076	1.07232	0.1532599	0.27637018	2.3342208	21	8 10.3	21.5
407695 2011 UG_{102}	18.4	X	301.51806	65.80378	347.78336	1.77737	0.1878668	0.29063251	2.2572167	21	9 28.2	20.1
407696 2011 UV_{102}	17.2	X	68.42168	104.94239	69.38788	8.19730	0.1205811	0.25479580	2.4641920	21	5 26.9	19.8
407697 2011 UC_{114}	18.2	X	248.53343	248.35077	179.77471	2.20303	0.1884964	0.27798833	2.3251537	21	7 25.9	21.3
407698 2011 UA_{121}	18.6	X	337.42357	154.22075	198.07254	5.82458	0.2221573	0.29553796	2.2321697	21	9 8.9	19.7
407699 2011 UL_{123}	17.8	X	116.00457	101.93007	30.38257	6.35392	0.1180902	0.26153999	2.4216460	21	6 1.7	21.1
407700 2011 UT_{123}	18.2	X	355.04634	352.64876	29.71035	3.65429	0.0448175	0.30188090	2.2007918	21	11 26.2	20.4
407701 2011 UH_{128}	16.8	X	206.43808	208.79335	245.80746	5.64075	0.1497536	0.27255761	2.3559379	21	7 19.2	20.4
407702 2011 UV_{134}	16.9	X	156.89843	241.00937	263.78817	5.70690	0.0686126	0.27532859	2.3401041	21	8 2.5	20.2
407703 2011 UG_{136}	17.2	X	260.38681	20.60945	251.41955	8.02248	0.1622217	0.24449740	2.5329108	21	1 20.1	21.3
407704 2011 UW_{149}	17.7	X	248.02842	32.16116	74.86567	7.08454	0.0483078	0.28950625	2.2630671	21	10 15.1	20.4
407705 2011 UB_{153}	17.4	X	295.02564	167.49778	215.36124	6.37806	0.1227780	0.27990989	2.3145002	21	8 4.3	19.9
407706 2011 UG_{155}	18.1	X	225.65581	334.48729	123.43201	9.12816	0.0938372	0.28269528	2.2992720	21	8 23.1	21.2
407707 2011 UN_{164}	17.9	X	351.21984	244.93198	102.31189	6.25701	0.1772527	0.29207687	2.2497690	21	10 12.3	19.6
407708 2011 UO_{194}	17.6	X	278.19732	214.73823	224.12087	6.63877	0.0681727	0.28935019	2.2638807	21	10 11.3	20.2
407709 2011 UY_{196}	18.1	X	213.57241	120.12311	335.65035	3.79023	0.1528452	0.27439590	2.3454039	21	7 30.1	21.5
407710 2011 UA_{202}	17.5	X	285.87449	354.55376	71.75213	5.47044	0.1152036	0.28789833	2.2714854	21	10 2.7	19.9
407711 2011 UF_{213}	17.8	X	15.48821	8.85161	256.61355	5.73432	0.0807848	0.27656592	2.3331193	21	7 5.6	20.0
407712 2011 UE_{251}	18.1	X	352.21245	182.05572	203.25501	4.90250	0.0999616	0.29646768	2.2275005	21	12 2.4	20.1
407713 2011 UB_{258}	18.6	X	329.06433	82.25542	308.86903	0.40145	0.0952383	0.29366352	2.2416582	21	10 27.9	20.5
407714 2011 UV_{265}	18.0	X	344.87749	94.11586	238.98855	5.20317	0.2009934	0.28441295	2.2900052	21	8 22.1	19.6
407715 2011 UD_{268}	16.1	X	30.55009	243.73370	212.58885	21.40843	0.0496574	0.22537550	2.6742269	21	—	—
407716 2011 UK_{269}	17.7	X	251.68418	16.89270	37.92117	10.38359	0.1203430	0.27860226	2.3217367	21	7 24.1	21.0
407717 2011 US_{269}	17.9	X	251.20054	7.37406	43.31665	3.71234	0.1480613	0.27698227	2.3307807	21	7 11.2	21.1
407718 2011 UM_{271}	18.5	X	279.29892	143.47674	291.17650	3.89922	0.1845047	0.29329074	2.2435572	21	9 16.9	20.7
407719 2011 UX_{274}	17.9	X	21.85360	49.37225	333.52428	1.33588	0.1688643	0.30799206	2.1715827	21	—	—
407720 2011 UE_{294}	18.3	X	199.20670	10.10744	103.02658	2.30425	0.1303276	0.27278663	2.3546191	21	8 8.5	21.7
407721 2011 UN_{295}	17.4	X	297.80897	271.44794	61.05873	10.11587	0.0685341	0.26864036	2.3787851	21	6 4.9	20.3
407722 2011 UW_{297}	18.0	X	225.39306	259.85523	178.87958	2.63050	0.1407281	0.27536220	2.3399137	21	7 19.5	21.3
407723 2011 UF_{302}	18.1	X	285.00005	262.96114	146.89973	2.12676	0.1499478	0.28542612	2.2845828	21	8 27.4	20.3
407724 2011 UQ_{306}	18.0	X	244.14928	127.29627	321.95740	4.50188	0.2018168	0.28079562	2.3096305	21	8 17.9	21.1
407725 2011 UZ_{307}	18.1	X	354.65184	77.57700	301.24114	5.56624	0.2030873	0.29985020	2.2107170	21	12 12.7	19.8
407726 2011 UQ_{308}	17.9	X	5.78572	198.05055	179.51280	6.17356	0.1000633	0.30058113	2.2071317	21	12 14.7	20.2
407727 2011 UG_{319}	18.3	X	231.37319	322.59517	113.32172	2.30992	0.1531676	0.27325288	2.3519399	21	7 21.7	21.7
407728 2011 UG_{320}	18.6	X	249.43870	332.94060	105.50729	4.06321	0.1482659	0.27871462	2.3211127	21	8 17.8	21.5
407729 2011 UH_{328}	17.7	X	97.55670	290.02720	8.10606	3.66610	0.0676005	0.30572702	2.1822952	21	12 23.8	20.4
407730 2011 UV_{337}	17.9	X	254.85370	357.82445	28.90751	6.75038	0.0897037	0.27310996	2.3527603	21	6 18.9	21.0
407731 2011 UP_{338}	18.2	X	342.99345	167.15905	268.64108	2.16312	0.0492825	0.31208788	2.1525411	21	—	—
407732 2011 UH_{343}	17.3	X	65.15265	262.28848	40.86931	5.49249	0.1131678	0.29834749	2.2181340	21	11 24.5	20.0
407733 2011 UO_{346}	17.8	X	254.51324	7.62965	68.29263	3.94874	0.0874186	0.28664009	2.2781278	21	9 1.3	20.6
407734 2011 US_{356}	18.1	X	244.96873	355.35058	120.78750	2.90425	0.1112935	0.28880538	2.2667269	21	10 11.3	20.8
407735 2011 UJ_{366}	17.9	X	112.18401	114.09044	153.95899	4.22071	0.1049276	0.30413041	2.1899262	21	12 3.0	20.9
407736 2011 UX_{369}	18.6	X	5.99554	358.68738	338.87521	3.81988	0.1594657	0.29733816	2.2231509	21	10 21.3	20.5
407737 2011 UZ_{382}	17.6	X	179.78962	212.35382	281.85446	5.68725	0.1708274	0.27435546	2.3456343	21	8 13.3	21.4
407738 2011 UN_{398}	18.1	X	95.97847	52.76476	254.36354	3.79473	0.1461972	0.31230844	2.1515275	21	—	—
407739 2011 UV_{401}	17.7	X	201.52115	208.20364	225.48612	5.86058	0.1421474	0.26710882	2.3878694	21	6 17.8	21.3
407740 2011 UX_{401}	18.6	X	82.25540	340.55965	316.53304	1.31899	0.2897315	0.30809305	2.1711081	21	12 22.2	22.0
407741 2011 VH_{8}	18.2	X	46.83362	190.28187	163.25058	4.46128	0.2101362	0.30897025	2.1669968	21	—	—
407742 2011 VH_{12}	18.0	X	359.79330	291.25822	69.95055	4.12903	0.1538725	0.29349485	2.2425169	21	11 16.1	19.8
407743 2011 VQ_{16}	17.5	X	256.48941	316.17393	102.56465	4.19940	0.2213414	0.27832559	2.3232750	21	7 18.7	20.6
407744 2011 VS_{16}	17.4	X	206.83902	100.69938	318.47498	3.55452	0.1727058	0.26426223	2.4049866	21	6 2.5	21.3
407745 2011 VQ_{20}	18.2	X	243.89767	38.46998	42.80823	2.33997	0.0140164	0.28153466	2.3055868	21	9 4.3	20.8
407746 2011 VO_{21}	18.0	X	11.66171	293.55975	70.36111	5.35286	0.1997648	0.30041877	2.2079268	21	12 20.4	20.2
407747 2011 WM_{1}	17.6	X	189.82075	108.92496	64.78681	6.15603	0.0279584	0.28817124	2.2700511	21	10 29.8	20.4
407748 2011 WZ_{10}	16.7	X	351.72217	312.49924	226.65177	5.16223	0.1763301	0.23192229	2.6236610	21	1 12.7	19.8
407749 2011 WG_{13}	17.4	X	32.25365	264.12535	84.78959	6.59762	0.2172366	0.30342074	2.1933396	21	—	—
407750 2011 WE_{17}	17.0	X	60.34971	275.08485	244.76033	14.38175	0.0842099	0.24586727	2.5234937	21	4 14.3	20.2
407751 2011 WM_{22}	18.3	X	221.97535	179.94970	237.51497	3.74912	0.1359862	0.26647817	2.3916353	21	6 17.8	21.7
407752 2011 WB_{27}	18.1	X	209.80628	334.65098	106.83671	4.90895	0.1683580	0.27009917	2.3702121	21	7 5.4	21.5
407753 2011 WR_{33}	18.2	X	224.47039	2.98721	100.34026	5.32569	0.1510282	0.27912817	2.3188194	21	8 22.7	21.5
407754 2011 WQ_{35}	17.8	X	297.04053	221.92208	229.02321	4.05428	0.0902281	0.29601674	2.2297621	21	11 30.7	19.9
407755 2011 WO_{42}	16.5	X	150.32354	247.89862	136.07862	4.91686	0.1880393	0.23958178	2.5674393	21	3 2.2	20.4
407756 2011 WM_{48}	15.9	X	235.87283	87.01804	122.04039	16.67426	0.2573138	0.18535972	3.0464389	21	12 21.6	20.8
407757 2011 WW_{54}	17.9	X	225.28449	8.03978	66.78744	6.14698	0.1337390	0.27465226	2.3439442	21	7 16.1	21.2
407758 2011 WE_{57}	17.5	X	168.12521	291.18680	218.07755	4.67016	0.0141731	0.27652861	2.3333291	21	8 22.4	20.5
407759 2011 WZ_{60}	17.8	X	292.34964	342.44250	100.71921	4.65454	0.1085577	0.29191540	2.2505986	21	11 9.3	19.9
407760 2011 WH_{63}	18.1	X	273.30739	10.56869	53.03320	3.10782	0.1337832	0.28151691	2.3056837	21	9 2.3	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
407761 2011 WE_{68}	18.4	X	352.92858	86.28197	298.82185	3.28363	0.1758172	0.29734342	2.2231247	21	12 13.8	20.1
407762 2011 WL_{70}	18.2	X	241.74798	43.39216	56.51176	2.56709	0.1480307	0.28072465	2.3100197	21	9 7.6	21.1
407763 2011 WE_{76}	16.5	X	198.33156	126.02130	214.44149	14.15661	0.1733944	0.24271424	2.5453014	21	2 13.8	21.0
407764 2011 WM_{76}	17.2	X	349.70487	299.30484	258.91404	7.66899	0.1100238	0.23833687	2.5763719	21	2 9.8	20.4
407765 2011 WK_{79}	17.7	X	137.36535	235.78309	264.02279	1.53594	0.1310364	0.26274707	2.4142234	21	7 9.3	21.2
407766 2011 WB_{82}	17.8	X	70.93559	48.88968	145.50176	1.79200	0.0997858	0.26042724	2.4285392	21	6 25.6	20.5
407767 2011 WU_{88}	17.6	X	302.39371	317.65123	54.54628	4.40402	0.1324886	0.27703394	2.3304908	21	8 3.6	20.1
407768 2011 WT_{89}	18.0	X	284.83113	315.55621	71.48167	6.86523	0.2091426	0.28006676	2.3136359	21	7 12.9	20.8
407769 2011 WX_{89}	18.1	X	24.62210	21.73519	320.57590	1.98086	0.1668857	0.29651877	2.2272446	21	12 2.5	20.3
407770 2011 WD_{93}	17.7	X	152.09202	3.01851	113.23824	5.09306	0.1699891	0.25811484	2.4430221	21	6 25.9	21.4
407771 2011 WD_{109}	17.8	X	332.01934	17.14057	39.32419	2.02901	0.1466643	0.29580859	2.2308080	21	12 16.1	19.4
407772 2011 WS_{110}	17.9	X	14.84714	114.27672	211.70462	2.78831	0.1350884	0.28854846	2.2680722	21	10 16.1	19.9
407773 2011 WV_{114}	17.8	X	242.05160	338.47562	80.93600	5.56845	0.2205047	0.27332424	2.3515305	21	7 3.9	21.4
407774 2011 WE_{115}	16.4	X	61.97035	307.09963	107.13012	15.39844	0.1881848	0.22022490	2.7157624	21	—	—
407775 2011 WY_{116}	18.1	X	231.96040	267.25937	185.66988	1.91632	0.1656694	0.27714056	2.3298931	21	8 12.8	21.5
407776 2011 WK_{121}	17.6	X	247.68837	103.57845	322.89131	6.46410	0.1114185	0.27379642	2.3488261	21	8 3.2	20.7
407777 2011 WL_{128}	17.6	X	50.82573	208.47250	310.39395	1.08070	0.1487243	0.24267555	2.5455719	21	4 7.6	20.0
407778 2011 WA_{129}	18.1	X	300.23952	114.61550	231.93982	4.19816	0.1665143	0.27264168	2.3554536	21	6 13.4	20.8
407779 2011 WP_{147}	17.9	X	240.05090	87.52558	321.94974	0.97734	0.1607859	0.26921628	2.3753913	21	6 24.5	21.4
407780 2011 WQ_{153}	16.8	X	267.96268	182.79562	97.82314	15.50214	0.1007060	0.24307381	2.5427906	21	2 18.8	20.7
407781 2011 YU_{1}	17.6	X	214.97868	49.40927	53.59722	2.12624	0.1456653	0.26952698	2.3735655	21	8 10.9	21.1
407782 2011 YW_{2}	17.4	X	205.55431	127.01477	334.08503	4.46658	0.0958220	0.26566928	2.3964874	21	8 1.5	20.8
407783 2011 YM_{4}	16.8	X	162.91981	295.10828	94.38351	15.70577	0.1150224	0.23701006	2.5859783	21	3 22.9	21.0
407784 2011 YS_{5}	16.8	X	29.13450	282.41733	268.52610	7.60424	0.1101137	0.23801589	2.5786877	21	4 8.6	19.7
407785 2011 YX_{5}	16.8	X	305.87432	293.91584	98.63401	9.87588	0.0586575	0.27447494	2.3449536	21	9 24.1	19.6
407786 2011 YD_{6}	17.3	X	152.23365	56.25325	337.89634	2.21664	0.0443656	0.23450721	2.6043454	21	3 1.8	20.8
407787 2011 YQ_{7}	16.6	X	73.52619	147.65175	304.18026	11.13915	0.1618820	0.22439425	2.6820172	21	2 15.2	19.6
407788 2011 YA_{9}	17.2	X	347.87876	117.55854	87.50884	8.11836	0.1520833	0.23674621	2.5878992	21	2 17.4	20.2
407789 2011 YT_{17}	17.2	X	233.53987	254.01605	131.93678	5.29101	0.2050169	0.25705558	2.4497289	21	5 16.2	21.1
407790 2011 YL_{18}	18.1	X	242.00630	347.27209	106.88715	5.33963	0.0607785	0.28054247	2.3110196	21	9 14.1	20.9
407791 2011 YT_{19}	17.7	X	190.33648	176.84056	275.47061	1.69242	0.1681371	0.25838016	2.4413494	21	6 30.9	21.6
407792 2011 YX_{19}	17.0	X	74.76067	295.72472	116.53741	6.38731	0.0076727	0.21174956	2.7877535	21	—	—
407793 2011 YF_{20}	17.1	X	210.82611	133.88861	282.24624	6.13425	0.0819127	0.25452002	2.4659717	21	6 7.1	20.5
407794 2011 YH_{21}	17.0	X	114.84855	186.00049	268.88226	13.97197	0.0475888	0.23975620	2.5661940	21	3 26.0	20.8
407795 2011 YJ_{25}	17.6	X	181.86889	346.44718	97.01439	2.30992	0.1549448	0.25380802	2.4705813	21	6 11.5	21.5
407796 2011 YO_{33}	18.4	X	268.35599	141.67633	315.71576	5.30493	0.1861538	0.28243751	2.3006707	21	9 30.7	21.1
407797 2011 YS_{35}	16.8	X	146.07267	312.58332	104.82601	12.41159	0.1547858	0.23697617	2.5862247	21	4 11.3	21.0
407798 2011 YV_{46}	17.7	X	138.64587	345.58518	68.97323	4.48858	0.1315894	0.23372063	2.6101854	21	3 24.5	21.5
407799 2011 YS_{50}	17.2	X	355.14665	257.34676	279.19412	4.01038	0.0925807	0.22232834	2.6986061	21	1 28.7	20.4
407800 2011 YV_{51}	17.2	X	192.78588	157.00111	214.64278	6.80269	0.1281027	0.23880061	2.5730354	21	3 21.2	21.2
407801 2011 YF_{54}	18.0	X	282.82428	186.94231	233.14957	2.80922	0.2220868	0.27863919	2.3215315	21	8 23.9	20.7
407802 2011 YA_{61}	17.1	X	139.99697	205.61013	229.42116	3.52342	0.1958333	0.23907694	2.5710524	21	4 24.2	21.1
407803 2011 YJ_{67}	16.2	X	59.31822	141.85973	314.02982	10.98217	0.0367200	0.21823343	2.7322590	21	1 22.1	19.7
407804 2011 YB_{68}	17.1	X	179.35760	125.47700	332.90745	4.55425	0.1149640	0.25441509	2.4666497	21	6 28.6	20.8
407805 2011 YY_{72}	17.7	X	317.26770	261.72403	138.09427	5.89363	0.1589702	0.28397696	2.2923485	21	10 16.9	19.5
407806 2011 YQ_{73}	17.2	X	22.73248	155.54089	331.57210	3.00937	0.1206686	0.21632021	2.7483455	21	1 7.5	20.1
407807 2011 YP_{75}	17.9	X	310.55242	334.46416	77.24472	5.21065	0.1820092	0.28467992	2.2885733	21	10 18.9	19.6
407808 2012 AK_{3}	17.4	X	97.56561	37.90699	109.03138	3.29828	0.0809728	0.24471098	2.5314367	21	5 25.7	20.7
407809 2012 AC_{4}	17.4	X	277.47340	269.65534	106.37832	7.93578	0.1254536	0.26478493	2.4018205	21	6 29.5	20.3
407810 2012 AN_{4}	16.4	X	308.33747	300.73820	286.95835	12.88834	0.0088578	0.22671437	2.6636880	21	2 7.3	20.1
407811 2012 AZ_{5}	16.9	X	225.98982	104.51150	291.46368	8.59477	0.1561369	0.25532032	2.4608159	21	5 22.1	20.8
407812 2012 AP_{6}	17.6	X	113.25232	270.70621	209.16212	2.04301	0.0670087	0.24062340	2.5600246	21	5 7.2	20.8
407813 2012 AE_{7}	16.5	X	144.41639	147.88463	283.24535	13.94639	0.0681119	0.23751489	2.5823126	21	4 4.1	20.5
407814 2012 AP_{8}	17.3	X	298.31830	255.07026	114.50983	9.49517	0.2327148	0.27006540	2.3704097	21	7 3.1	20.0
407815 2012 AY_{8}	17.0	X	337.90157	198.39354	295.80190	8.16942	0.0791949	0.20514110	2.8473068	21	—	—
407816 2012 AR_{9}	16.3	X	199.41213	18.30935	191.94277	4.52100	0.1111756	0.18328489	3.0693866	21	12 1.4	21.1
407817 2012 AW_{13}	15.8	X	206.60386	50.08702	117.83000	21.06869	0.1156546	0.17363070	3.1821333	21	10 26.9	21.1
407818 2012 AG_{14}	17.0	X	75.79381	8.18410	125.41355	4.61507	0.1094951	0.23050595	2.6343974	21	4 13.4	20.2
407819 2012 AU_{18}	17.2	X	226.95533	241.42014	130.99682	10.40142	0.1014862	0.24539801	2.5267098	21	5 2.1	21.1
407820 2012 AR_{21}	17.4	X	280.88212	16.30163	62.24337	8.30421	0.2028271	0.28214630	2.3022535	21	9 28.4	19.8
407821 2012 BS	17.6	X	225.96477	128.57541	305.21581	5.11615	0.1003379	0.26330748	2.4107967	21	7 18.0	20.8
407822 2012 BT	17.5	X	180.36061	98.21543	102.47323	6.56076	0.0438449	0.28186724	2.3037728	21	11 20.8	20.6
407823 2012 BR_{4}	17.0	X	238.74691	317.55473	91.45527	7.30160	0.1485002	0.25947732	2.4344627	21	6 23.7	20.6
407824 2012 BF_{5}	17.1	X	244.93180	209.94118	112.20866	6.11233	0.1057682	0.23504463	2.6003741	21	3 17.2	21.0
407825 2012 BZ_{12}	16.1	X	250.97197	34.71984	135.86839	18.62566	0.1132635	0.18648348	3.0341879	21	12 13.2	20.6
407826 2012 BG_{13}	16.3	X	246.39658	265.31903	128.95775	21.91235	0.3375325	0.26269496	2.4145427	21	6 1.3	20.9
407827 2012 BR_{15}	17.9	X	244.57032	321.55183	132.24749	5.25273	0.1919567	0.27425927	2.3461828	21	8 26.5	21.0
407828 2012 BX_{15}	16.5	X	75.02118	157.62250	304.90333	10.27943	0.1190082	0.22491552	2.6778717	21	2 25.1	19.7
407829 2012 BS_{17}	16.1	X	295.99515	46.68738	80.08839	9.85381	0.0872005	0.18955412	3.0013311	21	12 20.8	20.0
407830 2012 BG_{18}	16.9	X	231.01499	54.82470	308.47028	8.61053	0.1540893	0.23926390	2.5697129	21	4 13.1	21.2
407831 2012 BN_{18}	16.1	X	301.86634	89.27724	145.80730	14.51187	0.1250556	0.21463928	2.7626757	21	1 28.4	20.0
407832 2012 BF_{19}	16.9	X	204.82791	275.82463	176.16620	2.99262	0.1515055	0.26029992	2.4293310	21	7 14.6	20.8
407833 2012 BJ_{24}	15.4	X	161.89623	107.21240	126.22477	26.45182	0.2374780	0.17510361	3.1642635	21	11 27.5	21.3
407834 2012 BL_{24}	17.1	X	185.98763	314.59628	166.25953	2.67562	0.1167677	0.26001889	2.4310811	21	8 3.9	20.8
407835 2012 BT_{24}	16.0	X	258.75178	206.04366	304.78852	15.64396	0.0295693	0.18476752	3.0529448	21	12 6.8	20.5
407836 2012 BV_{24}	16.0	X	348.49228	232.05638	304.66900	10.41772	0.1356336	0.21594528	2.7515257	21	1 16.3	19.1
407837 2012 BD_{25}	16.3	X	121.57394	293.25899	134.19233	22.50904	0.0384868	0.22768832	2.6560865	21	3 10.7	20.1
407838 2012 BC_{26}	16.2	X	43.06763	199.95263	304.63743	12.46140	0.0502842	0.22787637	2.6546251	21	2 24.6	19.7
407839 2012 BC_{29}	17.3	X	50.01480	307.19670	132.51420	0.83521	0.0469464	0.21344865	2.7729398	21	—	—
407840 2012 BS_{29}	15.7	X	127.65192	114.50308	150.16314	18.76154	0.0739668	0.17928021	3.1149265	21	11 27.9	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
407841 2012 BJ_{30}	16.6	X	28.36684	228.47076	275.67982	11.67299	0.2010862	0.22278647	2.6949053	21	2 1.3	19.2
407842 2012 BL_{32}	15.9	X	192.54160	193.87249	104.65536	19.03465	0.2125732	0.21226478	2.7832407	21	1 1.3	20.6
407843 2012 BU_{32}	16.3	X	120.71799	216.61960	251.70501	11.03979	0.2374372	0.24028191	2.5624496	21	5 21.9	20.3
407844 2012 BF_{33}	16.2	X	172.61903	245.24364	335.83395	10.01460	0.0516097	0.18207491	3.0829702	21	11 16.3	21.0
407845 2012 BH_{35}	17.9	X	309.35501	144.26213	272.70820	4.81591	0.1238887	0.29037671	2.2585421	21	10 26.2	19.9
407846 2012 BW_{44}	17.4	X	118.05898	16.58302	91.97381	2.75765	0.0913273	0.23970779	2.5665395	21	5 2.5	20.9
407847 2012 BT_{52}	17.4	X	185.54988	303.35662	130.34871	9.68922	0.0881661	0.24505676	2.5290549	21	6 4.1	21.3
407848 2012 BZ_{52}	16.6	X	16.05693	169.76778	323.42830	15.63936	0.0362879	0.21080386	2.7960848	21	1 14.2	20.4
407849 2012 BC_{54}	16.4	X	61.64901	180.75728	327.94503	12.86452	0.2003361	0.22792729	2.6542297	21	4 15.9	19.6
407850 2012 BL_{54}	17.5	X	246.63953	312.08646	130.79150	5.81476	0.2014448	0.26782365	2.3836186	21	8 11.9	20.9
407851 2012 BW_{54}	16.9	X	25.15138	150.29577	6.13536	4.84828	0.0973056	0.21834630	2.7313173	21	2 21.4	20.0
407852 2012 BV_{55}	16.3	X	289.96269	356.30753	132.18211	10.67518	0.0379751	0.18323035	3.0699957	21	12 18.9	20.6
407853 2012 BC_{60}	18.5	X	291.51752	23.71762	23.65368	2.45168	0.2194552	0.27802387	2.3249556	21	8 22.7	20.8
407854 2012 BF_{62}	16.6	X	333.90674	244.35662	265.63258	3.68098	0.0550415	0.20857259	2.8159908	21	—	—
407855 2012 BV_{64}	16.9	X	116.11720	205.74023	161.95365	4.42611	0.0824705	0.21236689	2.7823484	21	—	—
407856 2012 BS_{66}	16.8	X	184.86478	85.24258	155.46324	8.90211	0.0807019	0.19021801	2.9943435	21	12 25.3	21.4
407857 2012 BM_{68}	16.7	X	122.34287	169.32648	122.45397	11.66844	0.0670315	0.18628421	3.0363513	21	12 21.4	21.4
407858 2012 BN_{69}	16.3	X	234.10632	218.37408	317.20092	10.90717	0.0671123	0.18424951	3.0586644	21	11 30.6	20.9
407859 2012 BJ_{70}	17.4	X	151.21313	294.73213	117.66431	9.76650	0.1837117	0.23545647	2.5973410	21	4 10.9	21.6
407860 2012 BS_{70}	17.2	X	354.24104	217.59866	321.35615	2.09422	0.0554930	0.22006247	2.7170986	21	2 4.9	20.7
407861 2012 BG_{71}	16.2	X	216.11298	44.34578	127.31463	14.67203	0.0856995	0.17750254	3.1356892	21	11 9.6	21.1
407862 2012 BC_{72}	17.4	X	119.75036	176.16803	275.86129	2.61218	0.1844276	0.23480444	2.6021471	21	4 23.4	21.2
407863 2012 BM_{72}	17.0	X	20.47797	296.46904	190.93759	1.40362	0.0375652	0.21175873	2.7876730	21	1 9.3	20.5
407864 2012 BR_{72}	15.4	X	160.28550	280.83210	314.82392	14.57244	0.2003911	0.17498549	3.1656873	21	11 17.7	21.0
407865 2012 BX_{72}	16.7	X	183.43542	71.25420	159.19944	5.48207	0.1622005	0.17772769	3.1330403	21	12 6.1	21.8
407866 2012 BJ_{73}	16.8	X	258.93669	143.47944	236.44449	5.04542	0.1074252	0.25741814	2.4474281	21	6 13.1	20.2
407867 2012 BH_{81}	16.0	X	175.74080	285.98081	315.33624	8.73006	0.0965775	0.18550844	3.0448104	21	12 14.9	20.8
407868 2012 BG_{82}	16.3	X	274.88801	21.02077	119.99074	7.92795	0.1035933	0.18759398	3.0222017	21	12 7.7	20.3
407869 2012 BS_{85}	17.7	X	258.44910	322.46344	69.96653	2.83322	0.1312142	0.26068714	2.4269248	21	6 26.4	20.8
407870 2012 BQ_{86}	15.3	X	247.20523	3.67721	148.97877	29.83545	0.1800829	0.17867126	3.1220002	21	11 11.8	20.5
407871 2012 BB_{90}	16.6	X	243.48902	179.99535	355.84769	3.19839	0.1978930	0.18309203	3.0715417	21	11 25.2	21.1
407872 2012 BM_{90}	16.9	X	48.34525	345.50767	158.36165	12.86914	0.1812540	0.22371989	2.6874042	21	3 21.8	19.5
407873 2012 BM_{91}	16.0	X	191.35989	115.73409	122.74428	7.21863	0.0871410	0.18560617	3.0437416	21	12 27.9	20.6
407874 2012 BN_{91}	17.1	X	251.41934	257.83502	130.52312	9.51636	0.1563295	0.25515418	2.4618840	21	6 10.6	20.8
407875 2012 BD_{92}	17.6	X	194.53124	345.45626	103.55361	2.73447	0.1477931	0.25490667	2.4634774	21	7 1.1	21.4
407876 2012 BL_{93}	16.9	X	345.90473	137.48376	28.34775	2.71442	0.1356973	0.21252633	2.7809567	21	—	—
407877 2012 BT_{93}	17.6	X	204.10014	317.72852	110.95360	2.95077	0.1838687	0.26249911	2.4157436	21	6 12.7	21.5
407878 2012 BN_{100}	17.5	X	43.38829	17.48024	120.84159	3.25402	0.0472455	0.22351950	2.6890101	21	2 22.9	20.9
407879 2012 BD_{103}	17.0	X	218.16256	342.04289	116.00861	7.46116	0.0897200	0.26458018	2.4030594	21	8 13.0	20.4
407880 2012 BE_{103}	17.3	X	78.89616	194.57242	267.39998	1.04509	0.1034053	0.22632559	2.6667375	21	3 2.9	20.5
407881 2012 BP_{103}	15.4	X	179.62189	242.31488	333.96516	24.76178	0.1757972	0.17536547	3.1611128	21	11 4.3	21.1
407882 2012 BG_{104}	17.9	X	168.75509	63.96441	42.24392	3.12105	0.1585945	0.25455600	2.4657393	21	6 28.6	21.7
407883 2012 BQ_{104}	17.2	X	135.64593	263.66533	196.23297	4.73394	0.1292856	0.24296352	2.5435601	21	5 16.3	20.8
407884 2012 BL_{106}	17.4	X	248.69655	1.99381	71.30882	7.06520	0.0991131	0.26710635	2.3878841	21	8 18.2	20.6
407885 2012 BR_{107}	17.1	X	245.34833	208.15132	103.89919	8.58545	0.0567156	0.22845603	2.6501328	21	3 10.6	21.0
407886 2012 BF_{110}	18.0	X	277.78862	266.37055	140.98716	2.63221	0.1805834	0.26927680	2.3750354	21	8 5.2	20.6
407887 2012 BW_{110}	16.2	X	82.45144	349.47057	328.53354	11.75640	0.0597550	0.17937993	3.1137720	21	12 5.3	20.9
407888 2012 BE_{111}	18.2	X	200.96899	283.27971	163.93498	2.42961	0.1768875	0.25685091	2.4510301	21	7 3.8	22.2
407889 2012 BM_{111}	16.4	X	270.50896	353.10897	140.88841	6.05015	0.0799148	0.18188188	3.0851510	21	11 25.7	20.6
407890 2012 BR_{111}	17.2	X	240.69508	71.05774	332.56317	0.79678	0.1793087	0.25679491	2.4513864	21	6 15.6	20.7
407891 2012 BA_{112}	17.7	X	249.70731	128.82490	307.26847	4.31170	0.2056370	0.26814063	2.3817397	21	8 5.1	20.8
407892 2012 BM_{117}	18.7	X	234.35613	188.51763	236.77377	0.69275	0.1667408	0.26304609	2.4123935	21	7 8.9	22.2
407893 2012 BH_{122}	17.3	X	102.55522	328.73612	141.92175	10.84684	0.1076569	0.22932206	2.6434565	21	4 22.1	21.0
407894 2012 BW_{124}	17.6	X	339.00581	253.94757	159.16172	6.58274	0.1024115	0.28697042	2.2763793	21	12 18.0	19.9
407895 2012 BP_{125}	17.4	X	92.58004	190.37810	267.94409	2.77710	0.1477261	0.22692901	2.6620081	21	3 23.7	20.8
407896 2012 BW_{125}	16.3	X	221.41549	26.52902	157.66411	10.95579	0.0479230	0.18026471	3.1035749	21	12 1.6	21.0
407897 2012 BG_{127}	17.5	X	219.60242	3.24110	83.54991	3.19560	0.1345397	0.26372632	2.4082435	21	7 25.6	20.9
407898 2012 BZ_{128}	17.3	X	238.62826	297.18019	113.10767	3.23885	0.1837869	0.25848156	2.4407109	21	6 21.9	21.0
407899 2012 BQ_{136}	17.3	X	23.77177	356.86522	123.65248	5.72212	0.0800970	0.21597980	2.7512325	21	1 2.2	20.6
407900 2012 BV_{136}	17.1	X	175.57281	87.13567	314.72122	8.41773	0.1754533	0.24227653	2.5483661	21	4 10.3	21.4
407901 2012 BN_{142}	17.2	X	73.29054	344.04839	159.10990	10.83641	0.1600212	0.23295623	2.6158922	21	5 1.7	20.4
407902 2012 BR_{142}	17.6	X	265.71319	275.57609	133.81796	3.06421	0.1863445	0.26488855	2.4011941	21	7 21.2	20.8
407903 2012 BO_{143}	16.9	X	135.29300	259.51167	191.28703	8.49496	0.1316312	0.23903689	2.5713396	21	5 5.1	20.7
407904 2012 BK_{144}	17.6	X	173.31740	11.55845	51.58347	1.48352	0.1214414	0.24179969	2.5517153	21	5 7.3	21.3
407905 2012 BB_{145}	17.2	X	338.33099	225.56825	344.28337	1.23280	0.0221781	0.22356103	2.6886771	21	2 26.1	20.5
407906 2012 BG_{145}	16.6	X	104.24019	188.75637	137.49881	10.56436	0.0668442	0.18900526	3.0071387	21	—	—
407907 2012 BJ_{149}	16.5	X	293.27537	229.83626	352.47644	5.96196	0.0341572	0.21214658	2.7842744	21	1 17.3	20.3
407908 2012 BK_{149}	16.7	X	54.58993	76.92767	15.02639	3.98393	0.0729010	0.21243035	2.7817942	21	1 13.7	20.2
407909 2012 BT_{150}	16.4	X	319.47410	128.60670	113.32308	14.52704	0.0410611	0.22537097	2.6742627	21	3 17.7	20.2
407910 2012 BU_{152}	15.6	X	249.47953	4.42220	159.17149	22.54615	0.0607315	0.17997117	3.1069488	21	12 9.3	20.4
407911 2012 CF_{6}	16.3	X	305.94257	53.01576	102.96617	12.37503	0.1085861	0.19712547	2.9239788	21	—	—
407912 2012 CV_{6}	16.5	X	232.18310	238.57002	294.76646	4.56669	0.0970654	0.18140303	3.0905779	21	11 22.1	20.9
407913 2012 CC_{7}	16.8	X	37.16932	146.27324	306.36557	5.83123	0.0496852	0.20825476	2.8188551	21	—	—
407914 2012 CC_{8}	16.5	X	218.10842	233.52532	306.25735	5.87313	0.1066665	0.17835893	3.1256437	21	11 12.0	21.2
407915 2012 CR_{8}	17.2	X	163.90956	218.82671	144.94987	7.19000	0.0409713	0.21858680	2.7293135	21	2 7.5	20.9
407916 2012 CA_{9}	18.0	X	219.87957	305.96903	134.54258	2.15081	0.1591521	0.26054935	2.4277803	21	7 14.7	21.8
407917 2012 CH_{10}	16.1	X	203.83945	230.02745	321.94422	9.36672	0.1433957	0.17541375	3.1605327	21	11 6.8	21.3
407918 2012 CU_{11}	16.9	X	97.76496	158.52221	336.53462	9.06444	0.1253364	0.23632637	2.5909633	21	5 12.9	20.5
407919 2012 CR_{12}	16.7	X	165.53530	21.33129	345.70692	6.25286	0.0323297	0.21799095	2.7342848	21	2 14.1	20.6
407920 2012 CJ_{15}	17.3	X	225.56349	286.12750	150.70648	5.13532	0.1603055	0.26053691	2.4278576	21	7 15.2	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
407921 2012 CJ_{16}	16.1	X	152.66059	92.60541	137.09621	16.24094	0.0426783	0.17342882	3.1846023	21	11 12.4	21.1
407922 2012 CP_{18}	16.2	X	21.47824	280.23059	262.32336	13.43629	0.0669574	0.22749488	2.6575919	21	3 12.2	19.8
407923 2012 CC_{19}	15.2	X	308.19582	282.25367	128.32727	26.39079	0.2514966	0.17531359	3.1617364	21	9 15.4	19.2
407924 2012 CM_{24}	16.8	X	14.30618	55.55913	175.11582	10.21492	0.0785538	0.23659669	2.5889894	21	5 16.4	19.9
407925 2012 CO_{24}	17.2	X	330.89278	134.87105	198.54344	5.11437	0.0768166	0.25618973	2.4552454	21	7 28.6	19.9
407926 2012 CT_{27}	16.0	X	142.81551	145.99131	115.10922	10.35623	0.0722782	0.18187579	3.0852199	21	12 6.7	20.8
407927 2012 CD_{28}	16.5	X	149.26637	72.43855	274.25627	5.34965	0.0708713	0.20831244	2.8183348	21	1 5.9	20.6
407928 2012 CP_{29}	16.8	X	142.46307	213.79514	143.83949	7.02547	0.0547157	0.21112552	2.7932441	21	1 8.6	20.7
407929 2012 CP_{31}	16.7	X	163.31812	242.45010	112.87964	7.60130	0.0366833	0.21768450	2.7368503	21	1 27.8	20.4
407930 2012 CP_{32}	17.0	X	86.51335	134.74348	295.87740	7.69864	0.1337641	0.21803151	2.7339457	21	2 6.0	20.3
407931 2012 CZ_{32}	16.0	X	209.81674	288.20969	297.43403	5.99343	0.1220499	0.18504209	3.0499241	21	12 28.7	20.6
407932 2012 CC_{34}	17.4	X	117.49925	312.07524	129.24862	4.81012	0.0560384	0.22878284	2.6476084	21	3 23.9	21.0
407933 2012 CV_{34}	16.9	X	322.53633	43.28107	136.30898	5.15213	0.0113514	0.21008033	2.8025011	21	1 2.7	20.8
407934 2012 CF_{37}	15.9	X	133.02338	173.42893	146.44512	11.51779	0.1128450	0.19234084	2.9722709	21	—	—
407935 2012 CY_{37}	17.4	X	98.78569	0.67050	124.75762	4.60912	0.1199180	0.23460547	2.6036182	21	5 5.9	20.9
407936 2012 CV_{40}	15.6	X	116.02386	171.88198	145.76068	22.95766	0.1095328	0.18645047	3.0345460	21	—	—
407937 2012 CZ_{40}	16.6	X	242.29897	207.21371	325.60689	16.33701	0.1475527	0.18130328	3.0917113	21	11 23.5	21.4
407938 2012 CH_{42}	16.7	X	260.40058	231.71914	341.30641	7.17971	0.0136523	0.20002573	2.8956460	21	—	—
407939 2012 CN_{42}	16.4	X	194.45109	97.18583	147.72462	10.97235	0.0138999	0.19008684	2.9957209	21	—	—
407940 2012 CZ_{44}	16.4	X	248.95662	181.71240	351.49824	5.33067	0.0890106	0.18206135	3.0831232	21	12 13.0	20.7
407941 2012 CA_{45}	17.2	X	161.47081	267.26449	154.33304	12.10810	0.1088558	0.23267299	2.6180146	21	4 26.7	21.3
407942 2012 CG_{45}	15.8	X	158.99783	122.42398	149.30062	11.64810	0.0929025	0.18160910	3.0882395	21	—	—
407943 2012 CE_{50}	17.4	X	94.73592	290.64966	161.97226	10.30304	0.2642281	0.22804414	2.6533229	21	4 10.2	20.9
407944 2012 CJ_{51}	17.3	X	117.96125	189.34855	289.71583	2.22892	0.1683029	0.23790764	2.5794699	21	5 25.3	21.1
407945 2012 DA	17.1	X	32.90645	8.26688	109.53367	6.26159	0.1212743	0.21096207	2.7946868	21	1 13.7	20.3
407946 2012 DF	16.0	X	38.40210	87.06300	353.69051	14.52481	0.1283872	0.20402739	2.8576589	21	—	—
407947 2012 DH	17.0	X	130.16782	252.04699	142.42173	6.50606	0.0544992	0.21681386	2.7441722	21	2 7.5	20.6
407948 2012 DF_{5}	17.1	X	183.82064	274.39810	145.63930	13.89983	0.1533440	0.24217999	2.5490433	21	5 18.6	21.4
407949 2012 DJ_{5}	15.9	X	216.42735	189.76300	334.59780	22.05633	0.0567077	0.17188750	3.2036116	21	10 17.4	21.0
407950 2012 DM_{6}	17.5	X	196.50673	332.45915	141.17741	4.03204	0.1535301	0.25973884	2.4328283	21	8 4.1	21.0
407951 2012 DU_{6}	15.9	X	271.06326	184.87607	342.31936	10.07279	0.0246262	0.18548473	3.0450700	21	—	—
407952 2012 DC_{8}	17.8	X	267.83030	38.67111	48.03730	4.31522	0.2208556	0.27776311	2.3264104	21	9 13.1	20.5
407953 2012 DC_{9}	17.2	X	135.95553	21.73738	22.43209	1.99374	0.0732700	0.22103902	2.7090899	21	3 1.3	20.9
407954 2012 DQ_{9}	16.6	X	258.11698	72.03504	149.12102	2.85958	0.1503844	0.19590306	2.9361297	21	—	—
407955 2012 DB_{10}	17.3	X	96.31746	48.36103	25.46178	3.31251	0.0992041	0.21845568	2.7304055	21	2 21.8	20.8
407956 2012 DM_{12}	16.7	X	52.84753	128.49577	24.35105	5.15347	0.0976416	0.22424688	2.6831922	21	4 1.4	19.8
407957 2012 DF_{15}	16.4	X	140.40356	119.31997	341.88878	14.55956	0.1558444	0.23429290	2.6059333	21	5 20.7	20.7
407958 2012 DP_{17}	16.8	X	297.54486	147.23784	20.62853	5.91201	0.1150990	0.19117685	2.9843232	21	—	—
407959 2012 DQ_{18}	16.5	X	172.36802	78.41048	145.64497	11.36600	0.0479110	0.17591734	3.1544982	21	11 24.7	21.3
407960 2012 DA_{20}	15.3	X	254.58675	130.13887	2.53033	16.95885	0.0907614	0.17289231	3.1911871	21	10 25.1	20.0
407961 2012 DR_{21}	16.9	X	43.57825	337.05545	156.14454	3.82088	0.1400074	0.21643816	2.7473469	21	2 21.4	19.8
407962 2012 DO_{22}	15.9	X	269.02587	158.71463	42.41380	10.75740	0.1043824	0.19167648	2.9791349	21	—	—
407963 2012 DV_{23}	17.0	X	84.15233	87.95315	356.18398	6.58881	0.1935055	0.21638223	2.7478203	21	3 4.1	20.3
407964 2012 DX_{23}	16.2	X	350.07310	294.48791	167.18168	11.01625	0.0608357	0.18868336	3.0105579	21	—	—
407965 2012 DH_{24}	16.0	X	189.27315	266.04797	350.32170	13.92272	0.0679842	0.18454723	3.0553739	21	—	—
407966 2012 DO_{25}	17.1	X	137.05717	336.00592	140.92359	5.17506	0.2509813	0.24018409	2.5631453	21	6 18.6	21.4
407967 2012 DT_{29}	17.1	X	116.85677	304.72052	156.82223	13.42238	0.1117483	0.23654304	2.5893808	21	4 28.1	20.9
407968 2012 DJ_{33}	16.0	X	65.06260	218.94713	166.16452	9.59546	0.0863643	0.18869110	3.0104755	21	—	—
407969 2012 DY_{35}	15.4	X	96.64731	294.76401	8.29759	10.13200	0.0956093	0.17094320	3.2153987	21	12 5.2	20.4
407970 2012 DK_{37}	15.9	X	263.27112	14.00171	171.58469	10.24234	0.0615333	0.18602189	3.0392051	21	—	—
407971 2012 DH_{39}	16.2	X	93.79379	328.88612	0.94989	9.04948	0.0765665	0.17524757	3.1625304	21	—	—
407972 2012 DP_{40}	16.7	X	250.50661	204.12337	355.20027	6.30298	0.0209630	0.18502946	3.0500629	21	—	—
407973 2012 DV_{40}	16.9	X	340.56191	213.55364	318.23842	2.73860	0.0346141	0.20976402	2.8053177	21	1 13.3	20.7
407974 2012 DO_{43}	16.2	X	89.93440	138.38314	178.99581	7.86777	0.0321597	0.17120484	3.2121219	21	12 10.4	21.0
407975 2012 DS_{43}	16.8	X	334.85169	337.23633	104.25388	3.48818	0.0209386	0.18095417	3.0956866	21	12 18.8	21.1
407976 2012 DB_{45}	15.8	X	309.62525	299.52680	170.94212	26.87647	0.1286969	0.17899209	3.1182683	21	12 16.9	20.2
407977 2012 DV_{47}	17.0	X	193.01463	108.27821	187.19664	1.95081	0.0143977	0.20160390	2.8805147	21	—	—
407978 2012 DW_{47}	16.8	X	266.64680	309.43767	213.00224	0.88285	0.1256512	0.18534334	3.0466184	21	12 18.3	20.8
407979 2012 DW_{48}	17.1	X	103.19076	203.89649	257.27322	2.63236	0.0619202	0.22607229	2.6687291	21	3 29.0	20.6
407980 2012 DT_{49}	15.7	X	144.53035	309.35690	10.80331	11.86252	0.1248542	0.18633769	3.0357703	21	—	—
407981 2012 DT_{52}	16.6	X	83.35481	86.22779	1.13897	3.17347	0.0675539	0.21002256	2.8030149	21	2 17.9	20.1
407982 2012 DV_{53}	15.2	X	44.18344	140.21635	177.84533	14.98383	0.1109862	0.15429784	3.4426760	21	10 27.4	19.9
407983 2012 DL_{55}	16.7	X	355.70053	145.45558	359.74458	1.63530	0.0202220	0.20482535	2.8502323	21	1 2.3	20.6
407984 2012 DB_{60}	16.1	X	223.91662	48.96960	151.56412	10.34623	0.0425191	0.18269570	3.0759823	21	12 23.4	20.6
407985 2012 DG_{60}	16.1	X	232.72627	25.41684	164.99699	13.30706	0.1232988	0.17680334	3.1439507	21	12 11.1	21.0
407986 2012 DA_{65}	16.5	X	260.33773	163.23213	0.31179	3.52458	0.1189330	0.18222127	3.0813191	21	12 11.4	20.8
407987 2012 DH_{65}	16.7	X	261.87835	120.81468	148.69698	5.03910	0.0145863	0.21323247	2.7748136	21	2 7.2	20.4
407988 2012 DH_{70}	16.2	X	5.96370	130.29701	290.35053	9.31655	0.0629487	0.18694059	3.0292397	21	—	—
407989 2012 DO_{70}	16.9	X	64.91034	174.79205	282.40533	7.11578	0.1870433	0.21754920	2.7379850	21	2 12.6	19.9
407990 2012 DW_{70}	16.5	X	154.59434	29.97223	194.58284	10.66668	0.0462304	0.16961268	3.2321921	21	11 3.9	21.3
407991 2012 DU_{71}	15.5	X	173.54650	346.04221	297.24879	9.38927	0.0934742	0.19062930	2.9900351	21	—	—
407992 2012 DS_{72}	17.0	X	162.11446	110.31430	180.14836	7.44632	0.0430465	0.18948321	3.0020798	21	—	—
407993 2012 DA_{75}	16.8	X	270.10157	231.14006	323.88373	3.96487	0.0638024	0.19392979	2.9560132	21	—	—
407994 2012 DZ_{76}	15.8	X	204.81696	296.10105	320.40902	9.61840	0.0397141	0.18844100	3.0131386	21	—	—
407995 2012 DX_{77}	15.1	X	209.70979	144.55660	32.02897	18.42506	0.0870074	0.17034696	3.2228972	21	10 31.8	20.0
407996 2012 DG_{78}	16.4	X	23.46055	270.43311	215.45871	13.43785	0.1991099	0.21017197	2.8016864	21	1 1.6	19.5
407997 2012 DS_{78}	16.9	X	108.37442	144.28984	337.20754	13.30468	0.2339807	0.23492337	2.6012689	21	5 22.7	21.0
407998 2012 DK_{80}	16.2	X	248.67940	184.57140	2.32026	10.26753	0.0421274	0.18463333	3.0544239	21	—	—
407999 2012 DP_{82}	16.1	X	242.61666	13.63011	148.35775	7.89275	0.1167062	0.17288514	3.1912753	21	11 19.5	20.8
408000 2012 DJ_{83}	16.7	X	321.89142	50.30311	164.96870	13.09008	0.0569619	0.21312383	2.7757565	21	2 6.9	20.5