Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464001 2014 WH_{69}	18.2	X	81.26472	287.58107	20.57498	4.32108	0.1960749	0.29722005	2.2237399	21	12 27.4	21.6
464002 2014 WQ_{72}	16.2	X	344.71896	179.62299	96.44890	15.89288	0.0885249	0.24048934	2.5609759	21	5 31.6	19.2
464003 2014 WA_{73}	17.1	X	17.72102	285.77698	31.01790	7.78232	0.1342057	0.26619064	2.3933573	21	10 5.5	19.4
464004 2014 WE_{73}	16.5	X	93.31822	132.46834	37.39234	8.96904	0.0891414	0.22567767	2.6718392	21	6 21.4	20.2
464005 2014 WH_{73}	16.3	X	63.92187	77.70523	33.11583	7.52885	0.1754377	0.18794898	3.0183950	21	3 12.3	19.9
464006 2014 WW_{77}	16.9	X	229.32006	130.71488	201.79493	4.46044	0.0529244	0.21202301	2.7853560	21	3 15.6	21.0
464007 2014 WL_{80}	17.3	X	77.87287	302.41842	156.77873	2.65974	0.0474898	0.19811473	2.9142370	21	2 24.3	21.3
464008 2014 WL_{83}	17.3	X	161.54424	231.35992	146.40914	2.64082	0.0865568	0.20326930	2.8647596	21	2 28.9	21.5
464009 2014 WL_{93}	17.1	X	66.71100	337.17357	100.32532	5.50942	0.1538327	0.18238982	3.0794205	21	1 28.8	20.7
464010 2014 WW_{103}	16.9	X	90.29338	57.45677	74.65623	11.31794	0.1856882	0.21204620	2.7851530	21	5 15.3	20.7
464011 2014 WE_{107}	17.7	X	309.31745	246.97863	114.92029	5.18792	0.1270077	0.26208520	2.4182863	21	7 29.8	20.1
464012 2014 WA_{108}	17.1	X	196.32874	302.53209	127.80511	7.31973	0.1149177	0.23743678	2.5828789	21	6 10.3	21.1
464013 2014 WH_{109}	17.7	X	333.85084	197.89079	156.84024	5.32865	0.1252958	0.26662986	2.3907281	21	9 5.2	19.7
464014 2014 WY_{117}	17.5	X	71.25167	166.97775	68.93841	5.97276	0.0682848	0.25974204	2.4328083	21	8 23.1	20.6
464015 2014 WE_{119}	16.8	X	94.69365	168.46763	335.31118	8.38910	0.1889772	0.21302888	2.7765813	21	6 2.4	20.9
464016 2014 WQ_{121}	17.4	X	324.71830	333.57833	43.43121	7.44037	0.1232590	0.27270275	2.3551019	21	9 26.5	19.6
464017 2014 WZ_{122}	17.3	X	162.97002	8.10061	274.59187	6.31218	0.0859219	0.31106433	2.1572604	21	—	—
464018 2014 WB_{123}	17.6	X	268.03752	325.62049	10.47395	6.03171	0.0394428	0.22622190	2.6675524	21	5 5.5	21.4
464019 2014 WJ_{123}	16.5	X	38.43701	295.11685	278.81833	7.81205	0.2058954	0.22161743	2.7043741	21	6 15.9	19.0
464020 2014 WP_{123}	16.7	X	0.23556	318.62397	194.13468	5.71368	0.1747088	0.17866249	3.1221022	21	1 8.1	20.4
464021 2014 WT_{123}	17.2	X	138.54264	317.64008	113.11374	5.94441	0.0169354	0.21052871	2.7985205	21	4 3.8	21.1
464022 2014 WN_{124}	16.8	X	157.37504	136.65043	264.14006	6.52730	0.1243115	0.20567361	2.8423901	21	3 23.8	21.3
464023 2014 WB_{125}	16.7	X	241.54936	95.62115	270.06891	5.17702	0.0372693	0.22482474	2.6785925	21	5 11.9	20.5
464024 2014 WH_{125}	16.1	X	359.11747	106.57740	57.26364	17.23672	0.2014778	0.17824093	3.1270231	21	1 21.5	19.9
464025 2014 WJ_{130}	17.4	X	90.91953	272.35081	235.49214	1.53683	0.0169627	0.22164737	2.7041306	21	5 8.6	20.9
464026 2014 WW_{130}	17.1	X	150.06315	10.91347	56.74966	5.14254	0.0581375	0.21329770	2.7742479	21	4 16.6	21.0
464027 2014 WM_{133}	15.5	X	220.42365	267.11542	259.68741	1.96903	0.1663446	0.12641485	3.9319138	21	10 20.0	21.6
464028 2014 WY_{133}	16.6	X	34.03271	42.52978	60.92050	10.05299	0.0553410	0.17776300	3.1326255	21	1 6.7	20.8
464029 2014 WB_{134}	16.7	X	4.27241	257.50005	243.05403	8.59877	0.0806325	0.17868298	3.1218637	21	1 7.5	20.8
464030 2014 WK_{135}	16.3	X	99.64613	296.93874	87.64432	9.59482	0.0465611	0.17556903	3.1586690	21	—	—
464031 2014 WZ_{137}	18.4	X	137.30454	241.90698	53.53851	2.50716	0.0935993	0.30510129	2.1852780	21	—	—
464032 2014 WS_{138}	17.0	X	69.01976	9.22298	74.49013	0.27053	0.1583036	0.18303885	3.0721366	21	2 9.1	20.6
464033 2014 WJ_{144}	17.1	X	23.70770	75.12986	69.24666	2.52560	0.1635012	0.18358183	3.0660760	21	2 9.8	20.4
464034 2014 WR_{158}	18.0	X	340.18327	310.59970	71.70110	5.25704	0.1490883	0.28891513	2.2661528	21	11 8.2	19.7
464035 2014 WZ_{160}	17.3	X	261.98818	152.04591	173.80986	7.74703	0.0400512	0.22039703	2.7143482	21	4 18.1	21.0
464036 2014 WO_{162}	17.5	X	137.28815	147.87887	341.30350	2.98448	0.0307360	0.23344172	2.6122640	21	6 15.5	20.9
464037 2014 WB_{170}	17.9	X	286.19077	328.00437	104.74950	6.64584	0.0651575	0.28218850	2.3020240	21	10 19.7	20.5
464038 2014 WD_{179}	16.8	X	159.35123	8.44645	66.29265	11.86820	0.1301771	0.22706869	2.6609163	21	5 10.8	20.9
464039 2014 WN_{180}	17.4	X	137.26298	347.93482	92.67842	6.34700	0.1658713	0.21915917	2.7245595	21	4 29.9	21.6
464040 2014 WS_{181}	17.4	X	160.73583	309.13370	90.46025	4.56382	0.2014974	0.21685305	2.7438415	21	4 4.3	22.0
464041 2014 WO_{185}	16.8	X	89.06059	190.86500	17.45136	11.82091	0.1152740	0.23159316	2.6261462	21	8 17.1	20.6
464042 2014 WA_{186}	17.5	X	22.64403	15.93691	319.12973	11.47855	0.1376631	0.26796532	2.3827784	21	11 2.9	20.4
464043 2014 WW_{193}	16.7	X	138.40917	46.71495	308.85190	7.62083	0.1721904	0.18680089	3.0307498	21	1 20.9	21.3
464044 2014 WL_{194}	16.3	X	151.62880	14.61127	316.78386	8.54683	0.0847323	0.17916948	3.1162098	21	—	—
464045 2014 WT_{198}	16.4	X	7.93259	58.98009	95.06202	18.11601	0.2014323	0.18239556	3.0793558	21	1 21.5	19.8
464046 2014 WK_{200}	14.7	X	201.82372	176.83356	356.18714	13.55844	0.1230971	0.12394410	3.9839952	21	10 10.5	20.9
464047 2014 WC_{210}	17.7	X	304.41734	256.89337	57.49497	2.60654	0.0632438	0.23223090	2.6213361	21	5 23.2	21.0
464048 2014 WH_{211}	17.1	X	94.19257	51.51882	71.99429	1.29582	0.0161884	0.21001740	2.8030609	21	4 12.3	20.9
464049 2014 WV_{212}	16.4	X	33.50219	74.69671	51.67737	12.41353	0.1964832	0.18260644	3.0769845	21	2 9.9	19.9
464050 2014 WQ_{214}	15.7	X	355.81661	304.52234	120.19476	7.15662	0.1224650	0.15431152	3.4424725	21	12 25.6	20.0
464051 2014 WO_{218}	16.8	X	157.69431	96.12451	240.31633	11.24871	0.0510013	0.18433595	3.0577081	21	1 4.4	21.4
464052 2014 WW_{219}	17.9	X	103.37867	347.05963	2.74845	3.37367	0.1727209	0.32037157	2.1152745	21	—	—
464053 2014 WL_{220}	17.2	X	152.78160	99.08525	24.47690	5.80032	0.0649171	0.23707352	2.5855167	21	6 30.8	20.9
464054 2014 WO_{224}	17.5	X	155.40740	13.29918	13.29003	1.87019	0.0837498	0.20175727	2.8790547	21	3 5.3	21.8
464055 2014 WP_{227}	16.7	X	240.32557	119.46819	256.00634	4.21007	0.2108510	0.23730976	2.5838005	21	5 7.3	20.8
464056 2014 WG_{232}	16.6	X	248.09872	193.15973	68.59787	11.08007	0.0361708	0.18607675	3.0386078	21	1 17.4	21.1
464057 2014 WL_{232}	16.1	X	355.28729	288.80721	234.89202	15.56222	0.1360187	0.18183512	3.0856799	21	1 14.1	20.2
464058 2014 WU_{232}	17.2	X	191.42454	59.91693	80.89786	11.28547	0.0999027	0.25556424	2.4592499	21	9 12.6	21.0
464059 2014 WG_{233}	16.5	X	115.29299	245.38249	133.69748	1.69772	0.1316875	0.18790958	3.0188168	21	1 17.9	20.6
464060 2014 WW_{235}	16.3	X	127.45069	58.52940	302.49297	10.29319	0.1209756	0.18175317	3.0866073	21	1 10.9	20.7
464061 2014 WC_{237}	16.5	X	187.18687	316.06896	49.35051	16.01897	0.1449899	0.20565828	2.8425312	21	3 22.1	21.3
464062 2014 WU_{239}	17.3	X	135.93629	355.41563	87.66276	4.75749	0.0730760	0.21368312	2.7709110	21	4 21.8	21.3
464063 2014 WP_{249}	17.1	X	169.13963	296.64479	112.17579	6.30584	0.1817272	0.22492346	2.6778087	21	4 21.8	21.5
464064 2014 WU_{250}	17.0	X	106.64663	223.73530	176.99392	11.57792	0.2025918	0.19823417	2.9130663	21	2 8.9	21.1
464065 2014 WK_{253}	17.6	X	267.25011	273.88097	132.70067	6.97143	0.1872758	0.25871546	2.4392396	21	7 18.8	20.8
464066 2014 WK_{254}	16.2	X	53.80921	354.04458	94.02970	11.00981	0.2271552	0.17854554	3.1234655	21	1 30.5	19.5
464067 2014 WW_{259}	17.2	X	159.61836	344.28051	124.68301	5.10931	0.0499124	0.23260975	2.6184891	21	6 18.4	20.8
464068 2014 WB_{269}	16.5	X	217.61721	112.29408	208.09695	11.57498	0.0535346	0.19821267	2.9132770	21	2 14.9	21.1
464069 2014 WJ_{269}	16.6	X	53.91996	237.16436	222.16848	16.14248	0.1912445	0.18076637	3.0978303	21	2 2.1	20.5
464070 2014 WT_{270}	16.0	X	23.18913	54.24723	72.12175	26.73291	0.1996278	0.17652810	3.1472179	21	1 16.8	19.8
464071 2014 WR_{271}	17.3	X	188.26711	311.10913	106.38817	6.31353	0.0645475	0.22437173	2.6821967	21	5 17.5	21.2
464072 2014 WM_{273}	17.0	X	166.86238	298.92070	120.66414	5.80312	0.1544858	0.21625472	2.7489002	21	5 1.8	21.4
464073 2014 WZ_{274}	17.3	X	250.59426	200.07063	179.09330	7.45841	0.2174864	0.24043518	2.5613605	21	5 23.0	21.4
464074 2014 WX_{275}	16.2	X	338.51318	177.87035	106.89007	13.96381	0.1371091	0.23456046	2.6039512	21	5 29.3	19.2
464075 2014 WS_{286}	16.3	X	34.86472	46.95834	91.31883	15.77561	0.1681237	0.18535922	3.0464444	21	2 27.9	20.0
464076 2014 WF_{294}	17.3	X	261.01705	182.68772	168.13170	14.36053	0.1299134	0.23159884	2.6261033	21	5 9.2	21.3
464077 2014 WG_{294}	16.4	X	87.33522	114.78462	92.88892	30.77299	0.2835247	0.23487508	2.6016254	21	9 11.7	21.1
464078 2014 WJ_{296}	16.3	X	95.29502	312.94101	130.65368	11.37871	0.0790591	0.19443786	2.9508615	21	3 7.3	20.4
464079 2014 WB_{297}	16.5	X	12.93513	53.89037	95.34874	18.48303	0.2201129	0.17923367	3.1154658	21	1 24.9	19.8
464080 2014 WB_{298}	16.0	X	37.79940	22.68999	110.84138	17.43906	0.1018982	0.19113829	2.9847245	21	2 19.7	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464081 2014 WJ_{301}	16.5	X	143.56895	214.18562	267.76299	12.13442	0.1202175	0.23448484	2.6045110	21	6 21.6	20.4
464082 2014 WH_{302}	16.4	X	232.47175	118.61641	250.74538	22.30767	0.0732591	0.23049246	2.6345002	21	4 30.8	20.5
464083 2014 WD_{308}	16.7	X	327.89565	351.70631	277.88718	8.61077	0.1661022	0.22520103	2.6756079	21	4 7.0	20.0
464084 2014 WJ_{314}	17.1	X	291.90336	262.78484	110.35774	7.11219	0.1450981	0.26240090	2.4163463	21	7 13.6	19.9
464085 2014 WF_{319}	17.2	X	206.17501	298.07726	142.60950	6.80003	0.2106143	0.24447334	2.5330769	21	6 29.0	21.5
464086 2014 WN_{319}	16.6	X	85.96982	60.32617	62.95165	16.16513	0.2130035	0.21034459	2.8001534	21	5 3.9	20.4
464087 2014 WB_{327}	16.8	X	77.52711	253.58734	175.08627	10.50017	0.1561907	0.18583728	3.0412176	21	1 31.1	20.7
464088 2014 WG_{327}	17.2	X	172.37477	272.03255	201.48618	16.06969	0.1710211	0.23809138	2.5781426	21	7 8.8	21.7
464089 2014 WT_{331}	17.6	X	276.02772	210.50395	153.27907	6.32673	0.1442179	0.24688950	2.5165234	21	6 8.5	21.0
464090 2014 WP_{334}	18.0	X	318.98318	291.79877	170.33936	6.82370	0.0665267	0.29744051	2.2226409	21	—	—
464091 2014 WM_{348}	17.6	X	317.58361	46.63852	336.54936	6.47420	0.1321787	0.26831941	2.3806816	21	9 15.2	19.7
464092 2014 WC_{350}	16.6	X	99.47797	37.85087	3.39042	5.02412	0.1442194	0.18449709	3.0559274	21	1 29.4	20.7
464093 2014 WK_{350}	16.8	X	154.05559	347.06722	86.28777	15.61374	0.1421452	0.21879900	2.7275486	21	5 8.5	21.2
464094 2014 WP_{352}	17.8	X	32.58113	272.75007	53.95065	7.71594	0.0273034	0.27417490	2.3466641	21	10 28.4	20.6
464095 2014 WJ_{384}	16.7	X	145.37524	202.68913	253.41066	8.41963	0.1524731	0.22019904	2.7159750	21	5 23.8	21.0
464096 2014 WU_{391}	16.8	X	98.69974	66.26057	86.28210	17.22172	0.1034969	0.22674897	2.6634170	21	6 8.5	20.4
464097 2014 WU_{393}	16.6	X	167.23254	53.76462	297.08781	13.81162	0.1552645	0.20276708	2.8694881	21	2 5.1	21.2
464098 2014 WY_{393}	17.2	X	222.52680	47.15289	74.62502	5.91202	0.0583686	0.26423152	2.4051729	21	9 26.2	20.4
464099 2014 WA_{394}	17.2	X	148.31412	33.12935	87.65825	4.24250	0.1147706	0.23054632	2.6340899	21	6 24.9	21.3
464100 2014 WL_{402}	17.0	X	43.30598	357.47798	141.92614	2.65336	0.1972254	0.18935413	3.0034439	21	3 13.1	20.1
464101 2014 WL_{407}	15.9	X	335.43345	71.62170	98.89573	10.03827	0.0552645	0.17601122	3.1533764	21	1 9.9	20.1
464102 2014 WV_{407}	16.6	X	154.36520	73.44932	73.45461	5.42142	0.1487581	0.23680912	2.5874409	21	8 7.5	20.7
464103 2014 WN_{408}	16.6	X	109.58539	320.92466	73.30681	9.40080	0.2762749	0.18589088	3.0406329	21	2 22.2	21.2
464104 2014 WP_{411}	15.9	X	78.52615	142.57648	252.72306	17.19578	0.1022749	0.16936818	3.2353020	21	—	—
464105 2014 WV_{421}	16.4	X	169.39651	273.14229	103.65952	11.07950	0.1884591	0.20192512	2.8774590	21	3 18.9	21.3
464106 2014 WM_{424}	16.3	X	89.07651	342.54540	91.95244	12.29065	0.1308099	0.17948173	3.1125946	21	2 27.9	20.7
464107 2014 WA_{428}	15.7	X	24.76043	92.74693	125.16727	13.53487	0.0443940	0.19475869	2.9476199	21	5 19.6	19.8
464108 2014 WU_{434}	17.1	X	139.82161	255.84344	186.42640	4.82287	0.0663164	0.21363677	2.7713117	21	4 23.5	21.1
464109 2014 WH_{435}	16.8	X	149.55138	68.17229	356.41833	15.00471	0.2225398	0.21251371	2.7810668	21	4 18.9	21.6
464110 2014 WV_{447}	17.5	X	161.84404	63.96418	349.39144	3.87594	0.0668203	0.21040990	2.7995739	21	4 10.5	21.6
464111 2014 WH_{449}	17.0	X	212.06168	17.46894	15.16506	6.26403	0.0418707	0.22189771	2.7020964	21	5 10.4	20.8
464112 2014 WW_{454}	16.5	X	204.98824	257.34173	126.55903	15.33430	0.1595496	0.22276383	2.6950879	21	4 26.5	21.2
464113 2014 WN_{455}	16.2	X	103.16283	277.72894	115.29109	17.27539	0.2585323	0.18454598	3.0553877	21	2 9.2	20.5
464114 2014 WT_{458}	17.2	X	31.58581	143.41302	45.03895	4.19024	0.0532091	0.21196897	2.7858294	21	4 15.2	20.8
464115 2014 WE_{459}	17.6	X	83.19544	271.12301	33.97769	4.60551	0.1602540	0.29015362	2.2596997	21	12 21.1	21.0
464116 2014 WF_{459}	17.4	X	270.07438	335.42939	16.01694	2.33902	0.0398817	0.23244710	2.6197105	21	5 29.7	20.8
464117 2014 WG_{465}	17.3	X	304.24513	155.75037	259.02522	6.47387	0.0863387	0.26984940	2.3716744	21	10 11.6	20.0
464118 2014 WC_{468}	15.3	X	328.10954	111.76112	353.15637	4.08230	0.1755366	0.12488843	3.9638869	21	12 21.4	20.1
464119 2014 WJ_{468}	15.4	X	144.62719	46.87710	337.27416	13.21910	0.1967263	0.17082375	3.2168974	21	3 3.9	20.6
464120 2014 WX_{469}	16.0	X	336.41911	278.22301	260.99457	9.96392	0.0591279	0.18523360	3.0478216	21	1 17.2	20.1
464121 2014 WG_{470}	16.3	X	18.26859	203.97053	290.20479	7.44812	0.0561261	0.18085126	3.0968608	21	1 20.9	20.3
464122 2014 WZ_{470}	16.0	X	122.79548	355.66073	56.24218	10.69647	0.0320908	0.19230201	2.9726709	21	2 26.8	20.3
464123 2014 WZ_{475}	16.4	X	93.38073	358.64543	48.78595	11.14928	0.0396592	0.18175380	3.0866002	21	1 15.7	20.8
464124 2014 WD_{478}	15.7	X	102.82110	249.46635	176.62862	8.45683	0.1047914	0.17419792	3.1752218	21	2 26.3	20.1
464125 2014 WO_{486}	17.0	X	295.49024	279.21701	47.78565	3.01525	0.0642419	0.22976212	2.6400800	21	5 27.7	20.2
464126 2014 WK_{488}	16.5	X	312.62320	345.81671	247.72111	6.39864	0.1563886	0.19608569	2.9343063	21	2 5.8	20.6
464127 2014 WG_{490}	16.1	X	33.88290	323.68617	168.20368	11.64368	0.0998917	0.18295940	3.0730259	21	2 8.0	19.9
464128 2014 WV_{492}	16.3	X	94.21941	96.24050	317.68625	20.79182	0.1741640	0.17619014	3.1512412	21	2 10.4	20.5
464129 2014 WC_{493}	16.0	X	72.03255	112.64610	314.01727	15.69205	0.2515263	0.17327959	3.1864304	21	2 6.9	19.6
464130 2014 WG_{495}	16.2	X	187.39361	270.38423	152.31018	10.66400	0.0306869	0.20230474	2.8738582	21	5 25.2	20.5
464131 2014 WH_{497}	16.3	X	123.76028	51.85961	44.17383	15.79157	0.0762160	0.22317119	2.6918073	21	4 23.6	20.1
464132 2014 WP_{498}	17.1	X	281.54940	310.63363	69.27127	7.62202	0.1370915	0.25433859	2.4671442	21	7 9.5	20.2
464133 2014 WY_{498}	16.9	X	243.95682	322.56815	64.63948	9.66260	0.2153427	0.23744618	2.5828108	21	5 25.8	21.1
464134 2014 WF_{503}	16.7	X	190.12005	271.08957	105.67895	10.44985	0.1657548	0.21401537	2.7680424	21	4 3.9	21.4
464135 2014 WK_{504}	17.0	X	244.13930	305.62510	83.55913	14.54024	0.1847012	0.24229083	2.5482659	21	6 1.3	21.0
464136 2014 WV_{504}	15.9	X	120.20659	241.23566	121.12216	20.61445	0.2755392	0.18436724	3.0573621	21	1 22.7	20.5
464137 2014 WA_{506}	16.0	X	46.85217	353.96300	77.16620	14.20968	0.1434033	0.17754881	3.1351444	21	—	—
464138 2014 XC_{1}	16.1	X	268.41778	350.22427	19.57954	10.14310	0.2806678	0.24338839	2.5405991	21	5 17.7	20.1
464139 2014 XO_{1}	17.1	X	275.93279	89.59228	319.68048	7.41236	0.0484843	0.25112576	2.4881422	21	8 25.3	20.1
464140 2014 XU_{2}	17.0	X	135.99247	161.58004	349.85809	9.51308	0.0505877	0.23098902	2.6307232	21	7 18.8	20.8
464141 2014 XW_{4}	16.5	X	28.20430	40.70014	61.41262	16.01642	0.2006154	0.17239417	3.1973315	21	—	—
464142 2014 XD_{5}	16.5	X	272.79440	312.21596	9.41260	6.23585	0.0643286	0.22449183	2.6812400	21	4 19.4	20.1
464143 2014 XK_{12}	17.3	X	234.80064	277.81029	252.26698	5.50923	0.0439669	0.28662167	2.2782255	21	12 20.0	20.0
464144 2014 XC_{16}	17.4	X	71.18478	129.13608	77.94272	6.30881	0.0174724	0.23427199	2.6060884	21	7 1.2	20.8
464145 2014 XF_{19}	16.5	X	294.39602	34.07756	314.67238	6.38945	0.2066266	0.24635711	2.5201476	21	5 31.8	19.8
464146 2014 XJ_{26}	16.4	X	65.10941	331.02977	108.67961	17.13278	0.2788035	0.18025168	3.1037245	21	2 18.8	20.0
464147 2014 XX_{27}	17.2	X	173.94569	38.78983	54.45771	1.88320	0.0649663	0.23010131	2.6374850	21	6 14.9	21.1
464148 2014 XY_{29}	16.9	X	198.15267	105.43640	266.73745	3.49753	0.1248794	0.21107195	2.7937167	21	3 29.6	21.3
464149 2014 YF_{5}	15.7	X	143.20445	93.45725	298.65597	9.86041	0.0921704	0.18024110	3.1038460	21	2 26.3	20.4
464150 2014 YN_{5}	15.5	X	327.58503	175.95692	102.59155	16.51467	0.1119830	0.20507035	2.8479617	21	5 10.8	19.3
464151 2014 YB_{10}	16.2	X	272.27144	124.10922	236.56530	3.03135	0.3155822	0.24178694	2.5518051	21	5 8.3	20.1
464152 2014 YF_{22}	16.0	X	181.10304	244.36907	117.28347	8.80626	0.1063416	0.18047053	3.1012148	21	3 8.2	20.9
464153 2014 YO_{22}	16.2	X	171.19416	327.01995	13.30571	15.52846	0.1001917	0.17886024	3.1198007	21	2 4.9	21.2
464154 2014 YN_{25}	17.1	X	103.24357	356.37143	222.25355	2.24854	0.0547338	0.23995182	2.5647991	21	9 3.6	20.5
464155 2014 YW_{35}	17.3	X	201.20592	95.49370	339.05125	2.59759	0.0562479	0.23241353	2.6199627	21	6 22.5	21.1
464156 2014 YK_{36}	16.8	X	343.02445	239.40213	25.78610	4.68924	0.0310189	0.21406365	2.7676262	21	5 16.1	20.3
464157 2014 YE_{38}	15.9	X	223.13635	226.06872	89.53965	9.47663	0.1776983	0.18380919	3.0635471	21	2 20.2	21.1
464158 2014 YW_{48}	16.7	X	176.76328	339.57913	117.87497	9.29553	0.1180293	0.22658097	2.6647334	21	6 24.9	20.9
464159 2015 AC_{1}	17.0	X	139.51550	333.42976	115.85780	13.96394	0.1884917	0.21696868	2.7428666	21	5 17.4	21.6
464160 2015 AQ_{1}	15.2	X	233.95189	31.46848	208.07886	21.62959	0.0733520	0.16215109	3.3306025	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464161 2015 AE_{2}	16.1	X	328.28371	29.30504	167.87939	11.06264	0.1080043	0.18141327	3.0904615	21	1 23.2	20.4
464162 2015 AQ_{17}	15.6	X	71.08662	292.22438	139.90273	11.24022	0.0607291	0.17885624	3.1198471	21	1 17.7	19.7
464163 2015 AB_{27}	16.1	X	133.19948	302.20536	110.88253	18.01952	0.0428357	0.18535462	3.0464948	21	3 16.5	20.7
464164 2015 AF_{27}	17.0	X	132.75578	175.31364	106.27900	5.00038	0.1947560	0.27810999	2.3244756	21	—	—
464165 2015 AB_{29}	15.8	X	133.85298	98.94632	297.51947	14.59408	0.0377275	0.17830368	3.1262894	21	2 14.5	20.5
464166 2015 AT_{30}	15.5	X	277.19314	147.37956	113.22330	28.83800	0.1780864	0.17414739	3.1758360	21	2 3.2	20.5
464167 2015 AL_{31}	16.2	X	167.11394	274.12289	112.71992	10.73785	0.0933642	0.19072813	2.9890021	21	3 24.2	20.9
464168 2015 AC_{38}	16.8	X	246.43824	28.28449	321.75880	3.54790	0.1426098	0.20954283	2.8072915	21	4 17.7	21.1
464169 2015 AL_{46}	16.4	X	90.42342	231.98999	151.59262	2.31921	0.1904560	0.17898554	3.1183444	21	1 2.1	20.4
464170 2015 AA_{57}	17.1	X	135.09594	187.74010	110.27149	6.74985	0.1588384	0.29042561	2.2582886	21	—	—
464171 2015 AA_{63}	16.5	X	289.63697	120.72674	200.05859	2.93127	0.0856497	0.21406678	2.7675993	21	5 9.6	20.1
464172 2015 AM_{64}	16.5	X	199.43696	261.70935	144.38537	5.12507	0.0771257	0.21221607	2.7836665	21	5 15.9	20.8
464173 2015 AS_{94}	15.9	X	72.96402	298.19047	108.43131	17.66120	0.1060682	0.17342541	3.1846440	21	—	—
464174 2015 AN_{126}	15.3	X	173.23126	216.25682	125.43253	20.13472	0.1785719	0.17206975	3.2013491	21	2 8.3	20.5
464175 2015 AT_{136}	16.4	X	211.84423	281.24119	107.37470	4.76995	0.1070975	0.20916983	2.8106279	21	5 6.3	20.7
464176 2015 AN_{140}	16.9	X	297.89287	348.87679	332.61003	3.74849	0.1955187	0.21730700	2.7400190	21	5 2.3	20.6
464177 2015 AX_{162}	15.6	X	310.09719	124.64648	125.84862	27.92371	0.2278278	0.17400404	3.1775800	21	2 21.7	20.2
464178 2015 AH_{169}	16.8	X	110.22041	38.84186	109.32424	5.02230	0.0452340	0.20827176	2.8187018	21	6 9.2	20.7
464179 2015 AV_{178}	15.6	X	223.81871	208.00263	119.35970	18.45630	0.1627527	0.18254898	3.0776303	21	3 8.2	20.9
464180 2015 AA_{179}	17.0	X	277.98949	32.34056	16.70871	2.33460	0.1312539	0.24377209	2.5379325	21	8 16.0	20.0
464181 2015 AT_{203}	15.6	X	152.36049	292.07424	92.05771	17.13671	0.0786015	0.18117011	3.0932262	21	3 8.1	20.5
464182 2015 AL_{207}	16.9	X	219.83810	241.92321	114.56153	6.65296	0.1757914	0.22233091	2.6985853	21	4 2.6	21.4
464183 2015 AQ_{230}	16.1	X	338.39707	37.82008	174.78970	9.79172	0.0384942	0.17410747	3.1763214	21	3 7.3	20.3
464184 2015 AR_{250}	16.2	X	285.43482	331.48323	2.87481	14.11568	0.0943568	0.21741391	2.7391207	21	5 14.9	20.2
464185 2015 AX_{250}	16.0	X	39.18410	179.38641	56.16400	13.44061	0.0325345	0.21660338	2.7459496	21	6 26.4	19.7
464186 2015 AO_{269}	15.6	X	323.89343	258.64621	302.28283	9.36261	0.0542803	0.17270047	3.1935499	21	1 31.8	20.0
464187 2015 AN_{274}	16.5	X	149.79206	325.44838	104.87097	12.30038	0.0797782	0.19518550	2.9433214	21	4 27.4	21.1
464188 2015 BU_{1}	16.0	X	293.23057	61.74924	62.15998	4.63030	0.2094411	0.12660657	3.9279434	21	11 15.2	20.9
464189 2015 BW_{1}	15.8	X	120.60024	85.12368	307.87597	15.27344	0.0992020	0.17388346	3.1790488	21	2 6.5	20.3
464190 2015 BB_{10}	15.3	X	190.48864	233.59792	98.57681	15.42445	0.1263717	0.17635901	3.1492293	21	2 11.9	20.5
464191 2015 BF_{10}	17.2	X	144.90849	236.20700	50.36052	4.13997	0.1716713	0.28578280	2.2826815	21	—	—
464192 2015 BJ_{10}	16.6	X	213.20626	261.99330	92.31109	10.94411	0.0489341	0.19478048	2.9474001	21	4 2.5	21.1
464193 2015 BY_{16}	16.2	X	107.93621	137.08250	301.14035	8.23272	0.0616938	0.17938853	3.1136725	21	3 9.8	20.7
464194 2015 BD_{19}	16.1	X	323.62624	179.89119	51.36888	5.05267	0.1474497	0.18314602	3.0709380	21	2 26.1	20.1
464195 2015 BZ_{31}	15.9	X	132.48077	91.95137	293.25461	11.51400	0.1736475	0.17537344	3.1610170	21	2 16.4	20.8
464196 2015 BN_{37}	16.2	X	92.10497	302.75777	100.92649	6.02657	0.1547460	0.17742113	3.1366483	21	1 24.8	20.4
464197 2015 BJ_{38}	16.7	X	317.50381	14.82798	4.72695	6.14687	0.1371598	0.25283450	2.4769191	21	9 9.6	19.1
464198 2015 BN_{38}	16.5	X	263.86406	23.47935	332.21783	11.40362	0.2009323	0.22324827	2.6911877	21	5 2.5	20.9
464199 2015 BO_{42}	17.1	X	243.35946	208.65420	181.71881	5.05575	0.2473586	0.23864989	2.5741187	21	5 27.5	21.3
464200 2015 BN_{67}	16.7	X	245.79158	314.30262	84.34501	8.07708	0.1836525	0.22721306	2.6597890	21	6 14.6	20.9
464201 2015 BU_{82}	15.7	X	286.28002	35.02313	235.58244	8.36180	0.1126711	0.18181575	3.0858990	21	2 26.6	20.3
464202 2015 BW_{83}	16.8	X	308.21627	271.16342	28.85912	5.71753	0.0953637	0.20666004	2.8333379	21	5 5.4	20.6
464203 2015 BC_{87}	16.3	X	159.28343	300.49562	131.71771	10.52789	0.0213777	0.19374238	2.9579191	21	5 4.8	20.7
464204 2015 BF_{87}	16.1	X	130.06825	275.29910	123.45032	6.75813	0.1925459	0.17512184	3.1640439	21	3 9.6	21.0
464205 2015 BO_{100}	16.0	X	123.86207	299.27546	139.20855	11.96533	0.1197938	0.18362392	3.0656075	21	4 13.1	20.7
464206 2015 BE_{116}	15.7	X	295.21652	246.34077	231.55124	5.07731	0.2176029	0.12501755	3.9611571	21	11 9.1	20.7
464207 2015 BF_{117}	15.9	X	141.38433	111.18043	280.94958	17.22153	0.1772951	0.18365482	3.0652636	21	2 27.3	21.0
464208 2015 BO_{123}	15.1	X	216.26647	353.01659	315.77108	19.80268	0.0723422	0.16757270	3.2583710	21	2 7.1	20.0
464209 2015 BL_{126}	16.5	X	111.10050	18.50998	73.30114	1.99368	0.0153601	0.18412961	3.0599920	21	3 27.9	20.6
464210 2015 BJ_{162}	16.6	X	350.64911	239.75136	84.99665	7.90846	0.1956594	0.23529084	2.5985597	21	8 24.2	18.9
464211 2015 BW_{165}	15.7	X	285.40854	151.22245	349.09054	2.14975	0.1487426	0.12426246	3.9771877	21	11 30.6	21.1
464212 2015 BO_{169}	16.6	X	144.76646	337.50286	43.73911	0.39681	0.1706412	0.17578392	3.1560942	21	2 27.0	21.4
464213 2015 BD_{171}	17.3	X	357.30108	198.31050	132.17440	6.11873	0.1135572	0.23795422	2.5791332	21	9 11.9	20.0
464214 2015 BG_{204}	17.0	X	313.24887	145.06126	177.38425	5.96922	0.0178815	0.21642990	2.7474167	21	6 23.0	20.8
464215 2015 BQ_{207}	16.4	X	210.90919	270.27593	118.83807	7.12916	0.1522164	0.22139572	2.7061793	21	5 4.9	20.9
464216 2015 BM_{208}	16.0	X	86.33055	346.36992	85.75445	7.14794	0.1483341	0.18266621	3.0763134	21	2 21.3	20.1
464217 2015 BK_{209}	15.4	X	67.59847	335.41531	113.28769	10.67482	0.0824427	0.17963518	3.1108217	21	2 6.1	19.4
464218 2015 BQ_{214}	17.0	X	115.82202	148.93306	58.43566	2.91635	0.0795273	0.23904763	2.5712625	21	9 9.4	20.6
464219 2015 BF_{218}	16.6	X	70.73891	98.72526	351.29740	8.19379	0.0682917	0.17517139	3.1634472	21	2 12.1	20.8
464220 2015 BK_{221}	16.6	X	354.53461	306.30117	317.15717	9.59939	0.1373738	0.21145143	2.7903733	21	5 24.1	19.9
464221 2015 BX_{225}	16.2	X	280.56005	302.98394	314.72734	6.00706	0.1285268	0.17641465	3.1485671	21	2 7.5	20.8
464222 2015 BW_{233}	15.3	X	194.24448	254.22916	92.47933	22.77134	0.0530062	0.18317881	3.0705715	21	3 8.2	20.3
464223 2015 BB_{242}	16.6	X	1.18923	70.70128	232.47477	3.23455	0.0832626	0.22647911	2.6655323	21	8 4.2	19.6
464224 2015 BP_{242}	16.5	X	42.95063	356.83325	215.03174	5.23895	0.0128986	0.20542943	2.8446419	21	5 30.1	20.3
464225 2015 BA_{243}	16.2	X	95.58434	295.77488	156.86449	11.38438	0.0163500	0.17790802	3.1309229	21	3 10.8	20.5
464226 2015 BZ_{264}	17.3	X	31.58411	228.18337	73.16167	7.53148	0.2043227	0.24577465	2.5241277	21	10 16.7	20.2
464227 2015 BH_{286}	16.3	X	229.32734	159.75786	231.36814	9.76854	0.1087113	0.21511709	2.7585833	21	5 26.0	20.3
464228 2015 BX_{296}	17.1	X	171.22588	344.96864	155.91472	15.28645	0.1897640	0.22286852	2.6942438	21	8 12.8	21.7
464229 2015 BN_{320}	15.7	X	196.59899	31.08061	330.40980	9.30575	0.0668188	0.18330086	3.0692084	21	3 16.8	20.5
464230 2015 BK_{326}	16.0	X	159.84790	12.80890	12.47421	3.70471	0.1146669	0.17936534	3.1139409	21	3 13.7	20.8
464231 2015 BQ_{348}	16.0	X	244.28163	6.48126	320.21443	11.69230	0.0221718	0.19584401	2.9367198	21	3 25.7	20.4
464232 2015 BC_{360}	16.5	X	333.71178	321.13503	334.09778	6.53069	0.0860421	0.22016495	2.7162554	21	6 7.3	19.8
464233 2015 BK_{373}	16.9	X	5.12423	210.93266	80.45168	6.24773	0.0656249	0.23000376	2.6382307	21	7 26.9	20.0
464234 2015 BL_{412}	16.9	X	27.50133	187.30637	126.56144	9.10519	0.1998055	0.23693745	2.5865065	21	10 26.2	20.0
464235 2015 BY_{449}	16.3	X	303.71939	192.88025	119.84231	7.69522	0.1865671	0.19393506	2.9559596	21	5 6.7	20.3
464236 2015 BJ_{511}	16.0	X	346.28755	354.28261	223.68581	3.81220	0.1024067	0.17800240	3.1298160	21	3 17.0	19.9
464237 2015 CO_{1}	15.8	X	160.28561	262.19108	138.99952	16.40810	0.1543079	0.18485106	3.0520250	21	4 8.7	20.9
464238 2015 CK_{5}	15.8	X	81.86843	287.29711	148.13526	5.10261	0.1694344	0.17155238	3.2077822	21	2 21.6	20.0
464239 2015 CR_{10}	15.7	X	339.72007	172.02153	351.60472	10.04299	0.0183528	0.15453254	3.4391893	21	1 18.2	20.6
464240 2015 CN_{20}	16.5	X	101.07888	65.14366	350.77070	4.31379	0.1715763	0.17510026	3.1643039	21	2 22.8	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464241 2015 CY_{20}	15.4	X	148.76788	69.39114	331.65089	14.61923	0.0357236	0.17600455	3.1534561	21	3 10.2	20.0
464242 2015 DU_{13}	16.1	X	262.38867	104.85127	183.89789	1.68281	0.1343960	0.17706937	3.1408010	21	2 24.3	21.0
464243 2015 DG_{65}	16.7	X	285.35759	218.03960	139.52631	8.38600	0.0774395	0.21394976	2.7686082	21	6 23.4	20.5
464244 2015 DB_{100}	16.5	X	357.77300	4.71273	270.44314	3.16096	0.0284341	0.21482116	2.7611161	21	6 21.1	20.0
464245 2015 DR_{109}	16.2	X	266.28323	286.92829	30.09299	10.77785	0.1000154	0.18969375	2.9998581	21	4 7.5	20.5
464246 2015 DY_{114}	15.6	X	247.25442	223.44574	68.71320	8.56592	0.0853152	0.17098493	3.2148755	21	2 22.3	20.6
464247 2015 DW_{142}	17.1	X	33.45633	127.27664	228.04600	6.18925	0.1328996	0.27123504	2.3635902	21	12 21.9	20.1
464248 2015 DJ_{143}	16.1	X	139.66477	149.38785	243.64564	4.14784	0.1523389	0.18090850	3.0962075	21	3 3.5	20.9
464249 2015 DH_{148}	16.2	X	236.38083	141.72280	159.81812	9.44286	0.0572222	0.17357770	3.1827810	21	2 19.3	20.9
464250 2015 DQ_{149}	16.3	X	129.88509	246.60082	177.32850	9.14490	0.0941844	0.18625849	3.0366308	21	3 25.7	20.8
464251 2015 DF_{150}	14.9	X	297.88307	202.96743	278.68191	11.88227	0.1142737	0.12533324	3.9545028	21	11 29.9	20.2
464252 2015 DG_{150}	16.0	X	134.70628	156.16658	237.38576	7.87719	0.0867404	0.17489068	3.1668313	21	2 19.2	20.8
464253 2015 DV_{156}	15.6	X	37.30934	44.69437	285.00472	12.64316	0.2786521	0.24505450	2.5290705	21	12 9.9	19.0
464254 2015 DH_{193}	15.8	X	356.28659	157.01751	41.90588	11.24647	0.0094335	0.18349328	3.0670624	21	3 19.9	20.2
464255 2015 DP_{216}	15.9	X	100.94704	309.57522	172.85123	10.12789	0.0713183	0.18595220	3.0399645	21	5 2.1	20.2
464256 2015 EN_{1}	15.8	X	199.27205	228.49579	163.61604	16.47614	0.0185260	0.18642813	3.0347884	21	5 3.2	20.4
464257 2015 EY_{11}	15.8	X	210.37250	257.24710	112.13071	10.70000	0.0896747	0.19111253	2.9849927	21	4 16.4	20.6
464258 2015 FB_{2}	16.2	X	171.66475	333.15748	80.14874	10.90908	0.0753483	0.19218690	2.9738577	21	4 28.4	20.8
464259 2015 FM_{2}	16.0	X	182.93728	284.85338	81.24692	9.61210	0.0994184	0.17650902	3.1474448	21	3 17.5	21.0
464260 2015 FR_{2}	15.6	X	328.63754	147.82063	92.91307	10.29570	0.0208867	0.18033466	3.1027723	21	4 5.6	20.1
464261 2015 FE_{3}	16.4	X	338.73085	104.87336	121.05064	17.60252	0.1401110	0.17254411	3.1954789	21	3 20.0	20.7
464262 2015 FW_{6}	15.8	X	298.65810	107.55649	150.07740	10.72376	0.0696112	0.17885347	3.1198794	21	3 8.9	20.1
464263 2015 FE_{53}	16.7	X	87.79128	321.66007	167.70916	9.62555	0.0795364	0.19202577	2.9755211	21	4 24.7	20.8
464264 2015 FW_{118}	16.0	X	229.48440	317.25302	87.63607	6.36336	0.0936079	0.21237235	2.7823007	21	6 14.1	20.2
464265 2015 FT_{125}	15.6	X	68.99577	293.07960	197.40966	13.34251	0.1299736	0.18191099	3.0848219	21	4 5.9	19.6
464266 2015 FK_{127}	15.9	X	174.10606	103.40863	273.44931	8.32595	0.0868483	0.17895914	3.1186511	21	3 11.3	20.8
464267 2015 FJ_{137}	16.2	X	223.63560	294.64714	176.75902	14.51242	0.0045486	0.22030792	2.7150801	21	9 12.2	20.0
464268 2015 FV_{140}	13.6	X	355.34190	10.74551	16.49527	31.68653	0.0255331	0.08226748	5.2358104	21	10 19.8	20.5
464269 2015 LC_{32}	16.2	X	6.68574	169.76166	300.86527	12.67752	0.0060830	0.24711858	2.5149679	21	—	—
464270 2015 RB_{31}	17.7	X	190.39991	168.44890	262.65715	4.24108	0.1221870	0.28401012	2.2921701	21	6 2.6	21.1
464271 2015 TO_{67}	18.0	X	332.39003	331.87895	4.64323	5.89774	0.2402882	0.31408676	2.1433987	21	7 26.9	18.9
464272 2015 UC_{66}	16.9	X	82.36332	248.20245	161.44283	13.32319	0.2033982	0.21270556	2.7793942	21	1 14.8	20.3
464273 2015 WU_{2}	16.8	X	137.14989	55.68551	55.74456	20.89321	0.2306087	0.24673122	2.5175995	21	6 7.1	21.0
464274 2015 WD_{10}	16.2	X	60.61582	251.86376	100.99398	8.36581	0.2829675	0.18142797	3.0902946	21	—	—
464275 2015 XG_{168}	15.9	X	20.09875	284.78461	163.94705	16.12049	0.2262698	0.17748200	3.1359310	21	—	—
464276 2015 XW_{245}	16.5	X	30.28071	293.26521	239.31173	7.58050	0.0916558	0.21183758	2.7869812	21	3 19.8	19.9
464277 2015 XY_{383}	15.0	X	350.17239	213.33405	308.95791	17.22590	0.1969374	0.17945287	3.1129282	21	1 3.8	18.9
464278 2015 YH_{4}	17.4	X	226.27722	355.61392	293.52320	17.03353	0.0856940	0.37554543	1.9026595	21	—	—
464279 2015 YY_{4}	16.0	X	43.34451	357.71068	102.67322	16.23982	0.1815693	0.18736866	3.0246242	21	1 18.2	19.2
464280 2015 YA_{9}	17.1	X	160.34305	291.09459	105.81138	3.70461	0.0789389	0.22413637	2.6840741	21	3 21.6	21.0
464281 2015 YJ_{9}	16.1	X	3.66548	321.24449	132.77078	1.96689	0.1549587	0.17344940	3.1843504	21	—	—
464282 2016 AU_{1}	16.7	X	335.02353	213.79764	41.40305	10.85708	0.1167930	0.22915339	2.6447534	21	4 12.6	19.8
464283 2016 AR_{26}	16.6	X	31.98130	344.54416	130.94417	10.78721	0.0543994	0.19326989	2.9627380	21	1 14.1	20.5
464284 2016 AA_{45}	16.6	X	254.24715	181.06845	110.30632	3.83766	0.0642143	0.21774461	2.7363466	21	2 21.2	20.5
464285 2016 AT_{54}	15.8	X	267.77128	122.42528	107.13531	2.56337	0.1786908	0.18113407	3.0936365	21	—	—
464286 2016 AB_{73}	16.0	X	12.39749	264.29736	187.42002	10.88312	0.0268108	0.16719444	3.2632837	21	—	—
464287 2016 AK_{73}	16.4	X	307.84305	332.02272	221.12962	6.79856	0.0958617	0.18135905	3.0910775	21	—	—
464288 2016 AV_{73}	15.9	X	87.10947	103.70418	295.31228	20.72980	0.1287343	0.18324098	3.0698770	21	1 7.9	19.8
464289 2016 AP_{74}	16.3	X	343.39604	266.49123	240.63536	8.23942	0.0857323	0.17696805	3.1419997	21	—	—
464290 2016 AH_{75}	16.5	X	1.81080	239.10218	257.59914	8.03230	0.0585956	0.18111429	3.0938617	21	1 1.3	20.6
464291 2016 AZ_{75}	18.3	X	246.87800	217.93100	211.43996	7.42545	0.0872574	0.27777140	2.3263642	21	8 6.3	21.4
464292 2016 AG_{78}	16.8	X	123.91430	248.43236	173.42528	6.50531	0.0464489	0.21324871	2.7746728	21	3 5.4	20.7
464293 2016 AE_{79}	17.5	X	184.93878	159.42645	283.85127	4.32347	0.1278194	0.25708240	2.4495585	21	6 14.0	21.3
464294 2016 AL_{93}	17.6	X	124.97705	34.49863	118.84419	6.04929	0.1231004	0.25433367	2.4671761	21	7 12.9	21.2
464295 2016 AS_{94}	16.1	X	296.63620	5.00308	162.21237	10.32311	0.0264348	0.16817262	3.2506174	21	—	—
464296 2016 AR_{95}	17.4	X	227.71553	64.70589	304.83551	1.74341	0.2597560	0.25131200	2.4869129	21	4 15.9	21.9
464297 2016 AV_{95}	18.3	X	270.30717	307.52906	112.78340	1.58042	0.0506900	0.28607078	2.2811493	21	9 6.3	20.8
464298 2016 AA_{98}	16.9	X	356.25410	276.53918	313.43332	10.28686	0.0747479	0.22651704	2.6652347	21	4 8.2	20.3
464299 2016 AP_{98}	17.3	X	121.99573	121.90234	304.61898	10.97740	0.2618418	0.22356686	2.6886304	21	3 29.6	21.6
464300 2016 AT_{98}	17.5	X	27.57799	208.75030	339.47539	3.39346	0.1208620	0.21924513	2.7238472	21	4 7.7	20.4
464301 2016 AR_{99}	17.0	X	298.81990	162.20924	56.12931	2.48581	0.0149622	0.19398454	2.9554569	21	1 24.8	21.2
464302 2016 AD_{100}	16.9	X	125.95838	314.40245	91.46873	5.70755	0.0541304	0.20508639	2.8478132	21	2 20.8	20.9
464303 2016 AG_{100}	16.7	X	163.86719	276.95596	101.69540	5.16740	0.0837134	0.21176160	2.7876479	21	3 5.1	20.9
464304 2016 AU_{100}	15.6	X	199.89402	351.33826	330.97031	12.06306	0.0994323	0.19920947	2.9035506	21	2 4.3	20.2
464305 2016 AY_{100}	16.9	X	68.08445	52.78688	80.88797	5.48774	0.0493241	0.21724952	2.7405022	21	3 27.5	20.4
464306 2016 AG_{101}	17.8	X	184.68737	42.16444	352.50441	4.56034	0.2463443	0.24075939	2.5590606	21	4 14.3	22.4
464307 2016 AG_{102}	16.1	X	114.11655	61.61098	323.59227	14.36370	0.0727407	0.19086039	2.9876210	21	1 17.8	20.3
464308 2016 AC_{103}	17.1	X	203.27153	282.57116	71.57432	5.88839	0.0632152	0.21719072	2.7409969	21	3 16.8	21.2
464309 2016 AX_{103}	15.8	X	33.75611	136.47270	333.93816	8.14606	0.0769432	0.18929532	3.0040660	21	1 13.1	19.7
464310 2016 AQ_{104}	17.4	X	100.54329	340.38891	104.41069	7.57096	0.1791836	0.21511718	2.7585826	21	3 28.7	21.2
464311 2016 AY_{104}	16.6	X	10.76369	132.94403	111.80107	14.05935	0.2214889	0.23063403	2.6334220	21	6 2.9	18.9
464312 2016 AD_{105}	17.0	X	173.12297	53.75789	320.71019	5.71467	0.1342696	0.21711808	2.7416082	21	3 8.5	21.2
464313 2016 AK_{105}	16.1	X	75.13353	59.00463	313.45497	25.58633	0.2528094	0.17321059	3.1872766	21	—	—
464314 2016 AP_{105}	17.8	X	183.75850	331.09339	107.14238	2.47545	0.1602798	0.25410194	2.4686758	21	6 6.7	21.6
464315 2016 AK_{106}	16.6	X	53.22169	348.41055	98.58690	4.75158	0.2180009	0.19303760	2.9651143	21	1 20.8	19.5
464316 2016 AP_{106}	16.8	X	165.32014	277.54168	66.16994	3.94882	0.0637178	0.19091291	2.9870731	21	1 23.8	21.2
464317 2016 AN_{107}	16.8	X	193.79391	354.87910	4.06151	6.00400	0.0676868	0.21418859	2.7665498	21	3 10.6	20.8
464318 2016 AQ_{107}	17.3	X	100.41421	16.50502	93.59221	7.12950	0.1038091	0.22240139	2.6980151	21	4 17.8	21.0
464319 2016 AS_{107}	17.9	X	218.08952	53.15117	45.49349	4.03124	0.0506895	0.27543743	2.3394876	21	8 19.5	20.9
464320 2016 AX_{107}	17.1	X	139.22619	298.14492	92.22338	7.51343	0.0620688	0.20240557	2.8729038	21	2 19.4	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464321 2016 AZ_{107}	16.9	X	272.30971	300.50251	3.60330	6.23384	0.0420018	0.22234893	2.6984395	21	3 31.0	20.5
464322 2016 AK_{108}	17.6	X	117.12393	181.80733	2.70958	6.23024	0.1060154	0.26163657	2.4210500	21	8 15.9	21.0
464323 2016 AR_{108}	17.9	X	246.42351	44.72594	353.53078	8.65968	0.2105509	0.27023505	2.3694175	21	6 10.0	21.7
464324 2016 AS_{108}	16.8	X	117.57996	101.68555	340.17322	12.25774	0.1652482	0.22166794	2.7039633	21	4 2.9	20.9
464325 2016 AA_{109}	16.1	X	301.35553	154.40459	348.98057	9.71096	0.0205112	0.15571889	3.4216994	21	—	—
464326 2016 AV_{109}	17.4	X	105.83862	232.01765	333.58237	7.32636	0.1123388	0.26443984	2.4039096	21	8 29.7	20.7
464327 2016 AB_{110}	17.4	X	94.39373	174.78838	29.87042	2.94919	0.1538325	0.25583457	2.4575172	21	8 21.0	20.8
464328 2016 AQ_{110}	17.5	X	100.08441	96.56756	27.96097	2.14819	0.0660069	0.22714850	2.6602930	21	4 26.6	20.8
464329 2016 AU_{110}	17.0	X	94.98666	167.91519	328.49602	5.89360	0.1633679	0.22977288	2.6399977	21	5 18.9	20.6
464330 2016 AH_{111}	17.0	X	56.03782	85.33017	30.83054	2.29104	0.0214064	0.19944632	2.9012514	21	2 14.9	21.0
464331 2016 AL_{111}	17.5	X	154.37430	34.20366	87.47688	3.48610	0.1450818	0.25385978	2.4702455	21	7 4.2	21.4
464332 2016 AU_{111}	16.5	X	205.32034	55.15629	325.40685	17.38783	0.1185260	0.23354567	2.6114888	21	4 6.4	20.9
464333 2016 AY_{111}	16.1	X	113.09992	261.27363	119.41621	20.62831	0.0417594	0.18107024	3.0943635	21	1 6.7	20.4
464334 2016 AZ_{111}	15.7	X	337.61631	65.57895	92.72938	6.31643	0.0897921	0.17846964	3.1243510	21	—	—
464335 2016 AD_{112}	16.7	X	242.46272	3.68980	306.21131	4.63072	0.0276745	0.21415898	2.7668048	21	3 3.5	20.6
464336 2016 AQ_{112}	17.7	X	106.11077	53.06720	63.42688	3.60341	0.1605182	0.23057422	2.6338774	21	5 8.2	21.2
464337 2016 AC_{113}	17.7	X	182.99667	126.63981	324.68517	3.92931	0.0663402	0.25612918	2.4556324	21	6 22.8	21.2
464338 2016 AL_{113}	17.0	X	298.39922	39.04303	329.57181	10.66948	0.1764938	0.28145762	2.3060075	21	7 14.7	19.6
464339 2016 AJ_{114}	17.0	X	2.64630	84.70499	79.35259	8.92932	0.0227767	0.19755366	2.9197523	21	2 7.3	21.0
464340 2016 AT_{114}	17.0	X	5.09621	143.77170	10.91221	4.57965	0.1380805	0.19120303	2.9840507	21	1 21.1	20.5
464341 2016 AH_{115}	16.6	X	153.39230	108.57621	315.80144	16.77973	0.1112414	0.22819999	2.6521147	21	4 8.7	20.9
464342 2016 AZ_{116}	17.2	X	117.59305	253.93945	304.57188	5.16226	0.0592939	0.26781215	2.3836868	21	8 27.5	20.3
464343 2016 AG_{118}	18.5	X	291.03174	95.41808	134.55529	23.82180	0.0808456	0.37008009	1.9213459	21	—	—
464344 2016 AL_{118}	16.6	X	39.53913	279.02828	221.69942	1.27121	0.0306651	0.20114273	2.8849159	21	2 22.7	20.5
464345 2016 AQ_{118}	17.9	X	145.98525	173.38813	283.99622	2.35357	0.1806896	0.24011418	2.5636428	21	5 27.3	21.8
464346 2016 AC_{119}	17.0	X	10.32884	21.24769	144.91116	3.13478	0.0593004	0.19712271	2.9240061	21	2 15.7	20.5
464347 2016 AK_{119}	16.7	X	358.37831	10.21041	125.65537	3.71880	0.1455207	0.17876072	3.1209585	21	—	—
464348 2016 AO_{120}	16.4	X	281.01090	310.13860	337.84257	5.66604	0.0279755	0.21408587	2.7674347	21	3 23.2	20.2
464349 2016 AP_{120}	16.7	X	353.29495	134.64409	356.20782	4.00501	0.0982053	0.17297908	3.1901199	21	—	—
464350 2016 AM_{121}	16.7	X	326.27088	66.88389	132.24576	10.36327	0.1032395	0.18763933	3.0217147	21	1 23.6	20.8
464351 2016 AF_{122}	16.4	X	96.86356	275.20155	145.99119	15.53662	0.0029079	0.18849808	3.0125303	21	1 27.9	20.6
464352 2016 AH_{122}	17.3	X	250.70732	61.62001	298.01275	3.52837	0.0503598	0.23723484	2.5843445	21	5 13.1	20.9
464353 2016 AM_{122}	18.5	X	264.32514	274.07826	134.63399	2.78531	0.1876998	0.27872063	2.3210793	21	7 18.5	21.4
464354 2016 AS_{122}	15.8	X	58.20549	90.16564	329.48057	11.55415	0.1570713	0.17635930	3.1492258	21	—	—
464355 2016 AV_{122}	15.9	X	354.80231	177.21410	324.25156	16.25521	0.1658622	0.17799698	3.1298796	21	—	—
464356 2016 AC_{123}	17.1	X	154.00170	317.50069	114.43291	4.09586	0.1112745	0.22904588	2.6455810	21	4 30.2	21.0
464357 2016 AG_{140}	17.5	X	105.30722	223.33955	199.86674	8.04531	0.2233881	0.21322996	2.7748355	21	3 7.9	21.3
464358 2016 AQ_{140}	16.5	X	80.01788	213.61521	218.57659	7.55136	0.2021916	0.20278271	2.8693406	21	2 10.1	20.1
464359 2016 AE_{141}	16.7	X	180.04295	227.00777	150.59472	14.97943	0.0899955	0.22173753	2.7033975	21	3 20.6	20.8
464360 2016 AF_{142}	17.0	X	91.88024	189.34762	218.66988	9.64408	0.0996441	0.19258454	2.9697629	21	1 15.8	21.2
464361 2016 AO_{142}	16.4	X	298.62066	344.22523	196.27367	9.36168	0.0842792	0.17247764	3.1962998	21	—	—
464362 2016 AM_{143}	16.7	X	323.79673	66.51507	215.85801	12.26705	0.2630620	0.23291445	2.6162049	21	4 3.6	19.9
464363 2016 AO_{147}	17.0	X	355.83885	83.90164	171.94283	14.73103	0.0718967	0.24235281	2.5478313	21	5 22.1	20.3
464364 2016 AB_{148}	15.6	X	55.51221	286.47768	124.41090	10.53642	0.0844597	0.18087020	3.0966447	21	—	—
464365 2016 AB_{149}	17.0	X	13.56832	315.56334	269.53038	12.45630	0.0990360	0.23077057	2.6323832	21	5 1.8	20.2
464366 2016 AB_{152}	16.3	X	238.19435	58.62106	182.01996	16.72879	0.1020438	0.17335811	3.1854682	21	—	—
464367 2016 AF_{154}	16.6	X	16.24514	271.16542	176.00689	15.35626	0.1658295	0.17501546	3.1653260	21	—	—
464368 2016 AO_{159}	17.6	X	129.37890	250.16886	214.62164	13.32767	0.1006835	0.23349665	2.6118543	21	5 12.9	21.3
464369 2016 AV_{171}	15.7	X	345.29888	265.56321	282.31610	13.56673	0.0960059	0.20397270	2.8581698	21	1 30.1	19.4
464370 2016 AP_{172}	15.6	X	45.29207	310.34706	114.21049	21.85017	0.0676612	0.17634055	3.1494491	21	—	—
464371 2016 AU_{172}	16.5	X	171.18615	357.57383	122.84568	11.51637	0.0404313	0.26386747	2.4073846	21	7 18.0	19.6
464372 2016 AY_{172}	16.8	X	7.70997	39.19492	93.29706	5.30267	0.2252778	0.18694682	3.0291724	21	—	—
464373 2016 AV_{173}	16.6	X	283.10796	48.55014	274.81747	13.11661	0.1508497	0.24222922	2.5486979	21	4 16.7	20.4
464374 2016 AX_{173}	17.1	X	102.14191	225.97502	180.79529	7.35550	0.2635854	0.20567063	2.8424175	21	2 18.9	21.0
464375 2016 AJ_{176}	15.6	X	273.55302	16.60070	270.21044	12.93806	0.2286835	0.19930813	2.9025923	21	2 15.6	20.4
464376 2016 AT_{176}	16.1	X	92.25234	207.97687	197.75719	13.15902	0.0078776	0.17872027	3.1214293	21	1 5.4	20.8
464377 2016 AC_{177}	16.6	X	27.16466	252.76875	193.00970	15.79533	0.2323560	0.17644627	3.1481909	21	—	—
464378 2016 AQ_{178}	16.7	X	104.11646	230.30290	218.37234	8.28944	0.1317532	0.21170424	2.7881513	21	3 25.5	20.6
464379 2016 AK_{183}	17.1	X	94.80169	230.97575	253.43994	8.44698	0.1455073	0.22237560	2.6982238	21	4 30.6	20.7
464380 2016 AW_{184}	17.8	X	208.83413	102.05401	327.44542	5.39230	0.1685569	0.26669528	2.3903372	21	6 18.6	21.6
464381 2016 AN_{185}	18.3	X	233.32488	330.41469	130.96666	6.46390	0.1253054	0.29067401	2.2570019	21	9 3.1	21.1
464382 2016 AC_{187}	15.9	X	5.19855	139.76120	311.21722	13.54621	0.1661280	0.17235117	3.1978633	21	—	—
464383 2016 AH_{187}	15.9	X	24.23981	327.40545	114.11564	12.21315	0.1113825	0.17566777	3.1574852	21	—	—
464384 2016 AL_{187}	15.8	X	21.32440	109.54517	323.99137	25.20924	0.2231673	0.17483282	3.1675300	21	—	—
464385 2016 AW_{187}	16.7	X	231.29929	189.90654	103.73678	3.21569	0.0463705	0.20421177	2.8559386	21	2 1.2	20.8
464386 2016 AE_{194}	15.8	X	163.49013	180.65909	117.95862	18.11147	0.1045746	0.17185635	3.2039987	21	—	—
464387 2016 BU_{1}	17.4	X	116.44444	231.98804	294.51201	1.39584	0.1210065	0.25409657	2.4687106	21	7 20.8	20.8
464388 2016 BQ_{2}	17.8	X	222.58300	19.41898	135.29960	6.79064	0.0422742	0.29704887	2.2245941	21	11 16.8	20.5
464389 2016 BS_{2}	17.8	X	168.48625	51.21024	151.58565	5.07102	0.1044855	0.29134373	2.2535417	21	11 7.2	21.0
464390 2016 BV_{4}	16.1	X	343.99508	358.52006	132.33271	16.26994	0.2160871	0.17527210	3.1622354	21	—	—
464391 2016 BW_{4}	17.0	X	357.12916	299.32383	175.62425	0.80487	0.1223442	0.17445329	3.1721225	21	—	—
464392 2016 BX_{4}	16.3	X	203.29227	43.52623	301.06580	5.75660	0.0326732	0.21240349	2.7820288	21	2 28.2	20.3
464393 2016 BA_{7}	16.2	X	346.75013	245.93006	277.70771	8.62113	0.1645409	0.17674195	3.1446787	21	1 2.8	20.1
464394 2016 BO_{7}	16.6	X	133.93144	177.98144	300.92211	13.14448	0.1101052	0.23429405	2.6059248	21	6 5.7	20.6
464395 2016 BP_{12}	17.4	X	109.72562	322.53855	120.65695	7.38927	0.2833057	0.22058958	2.7127684	21	4 19.3	21.6
464396 2016 BR_{12}	15.7	X	303.70454	230.17996	324.70373	25.56407	0.1718091	0.17263883	3.1943100	21	—	—
464397 2016 BF_{13}	15.7	X	215.73860	331.56351	293.38296	9.34215	0.0470507	0.17844276	3.1246648	21	—	—
464398 2016 BJ_{13}	16.5	X	82.44299	272.87232	158.11083	2.39269	0.0831949	0.20068196	2.8893301	21	1 29.6	20.2
464399 2016 BP_{13}	15.1	X	171.81122	295.86543	359.89524	17.59283	0.1283589	0.17251269	3.1958669	21	—	—
464400 2016 BB_{14}	16.5	X	217.68834	137.66583	316.76838	24.16770	0.2426015	0.28477187	2.2880806	21	7 28.9	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464401 2016 BV_{15}	15.7	X	30.65584	163.06157	295.35755	15.95246	0.0737325	0.18327252	3.0695248	21	—	—
464402 2016 BC_{18}	17.2	X	245.18978	182.98739	129.53607	7.29184	0.0339356	0.21651646	2.7466844	21	3 13.1	21.1
464403 2016 BL_{18}	17.3	X	71.82286	74.63506	132.73347	3.34276	0.1355395	0.25089429	2.4896723	21	7 21.6	20.4
464404 2016 BN_{18}	17.2	X	150.57358	264.07967	141.18850	3.64449	0.0980455	0.22213224	2.7001941	21	3 22.6	21.1
464405 2016 BO_{18}	17.5	X	108.04329	259.28765	294.77847	4.12548	0.1614748	0.26151340	2.4218101	21	8 20.9	21.1
464406 2016 BX_{18}	18.0	X	130.01418	17.49597	154.90713	1.79157	0.1243855	0.26561642	2.3968054	21	8 13.7	21.6
464407 2016 BL_{19}	16.3	X	77.38729	93.21449	323.87865	9.91516	0.0779311	0.18793055	3.0185923	21	1 9.6	20.3
464408 2016 BE_{20}	16.5	X	291.80175	129.08048	63.23598	1.83443	0.0341433	0.17722382	3.1389759	21	—	—
464409 2016 BH_{20}	16.7	X	319.52114	129.19895	44.83765	1.50187	0.1417453	0.17729407	3.1381467	21	—	—
464410 2016 BE_{21}	16.1	X	251.25880	335.58420	321.01531	3.34537	0.0815400	0.20844795	2.8171132	21	2 22.7	20.3
464411 2016 BU_{21}	15.7	X	351.15390	347.06195	132.16396	27.85598	0.1300673	0.17171830	3.2057157	21	—	—
464412 2016 BW_{21}	17.7	X	208.47281	86.10849	305.53188	1.22315	0.1811804	0.24682941	2.5169318	21	4 30.3	21.8
464413 2016 BH_{23}	17.5	X	141.50412	48.96119	82.89820	3.69411	0.1200734	0.25334927	2.4735628	21	7 2.5	21.1
464414 2016 BA_{24}	15.7	X	268.42849	253.09631	317.92036	10.04147	0.0855276	0.17352767	3.1833928	21	—	—
464415 2016 BE_{24}	17.4	X	72.32178	254.85620	335.75512	4.02130	0.0696248	0.26655821	2.3911565	21	8 15.1	20.1
464416 2016 BL_{24}	17.6	X	134.76264	202.06304	317.25034	7.27987	0.0488629	0.26156341	2.4215014	21	7 26.8	20.7
464417 2016 BH_{25}	17.7	X	177.83248	295.83825	165.78190	2.29790	0.1424693	0.25871641	2.4392336	21	6 30.9	21.5
464418 2016 BP_{25}	16.7	X	359.15499	173.07655	333.91408	12.05101	0.0432119	0.18906511	3.0065040	21	1 12.8	20.9
464419 2016 BY_{26}	16.8	X	27.45575	97.98099	325.78924	8.72182	0.2197066	0.17554372	3.1589725	21	—	—
464420 2016 BA_{27}	15.9	X	353.30647	158.48150	321.80568	9.57381	0.1089319	0.17628607	3.1500979	21	—	—
464421 2016 BU_{29}	16.4	X	32.55625	97.69411	331.90761	8.91808	0.2231349	0.17608763	3.1524641	21	—	—
464422 2016 BX_{29}	16.4	X	101.08978	47.53659	331.27554	9.00697	0.1117225	0.18010015	3.1054651	21	—	—
464423 2016 BD_{30}	16.6	X	203.56523	235.76924	108.30077	6.74610	0.0575851	0.20979783	2.8050163	21	3 5.0	20.8
464424 2016 BE_{30}	17.3	X	339.36766	172.04998	93.34316	4.55910	0.1079298	0.23262178	2.6183988	21	5 4.2	20.3
464425 2016 BH_{30}	16.0	X	287.74086	109.35384	87.80726	3.77559	0.0678385	0.17406630	3.1768222	21	—	—
464426 2016 BQ_{30}	16.7	X	143.52650	306.13363	104.02840	6.51193	0.1023444	0.21784417	2.7355128	21	3 24.0	20.8
464427 2016 BC_{31}	16.6	X	26.31648	87.86291	19.73812	10.33482	0.2000692	0.18741764	3.0240972	21	—	—
464428 2016 BN_{31}	16.0	X	77.33521	62.80840	346.54627	15.83367	0.0909471	0.18613131	3.0380139	21	1 3.1	20.2
464429 2016 BL_{32}	16.7	X	334.66025	166.50926	89.46379	9.94157	0.1379040	0.22078996	2.7111268	21	4 14.3	20.0
464430 2016 BE_{33}	18.1	X	152.28814	157.70858	284.11590	1.56088	0.1896656	0.23935699	2.5690465	21	5 13.9	22.3
464431 2016 BH_{33}	18.2	X	137.88840	92.13806	70.70663	1.71741	0.1322104	0.26222161	2.4174476	21	8 10.7	21.8
464432 2016 BJ_{33}	16.7	X	327.41832	197.97224	25.63757	1.74633	0.0610193	0.20652592	2.8345644	21	2 27.7	20.3
464433 2016 BU_{33}	17.7	X	139.42543	204.96165	318.04623	6.10102	0.0731845	0.26883437	2.3776405	21	8 8.5	20.9
464434 2016 BN_{34}	16.2	X	292.33285	315.93262	319.01198	8.13711	0.1284645	0.21989625	2.7184676	21	3 4.9	20.1
464435 2016 BQ_{34}	15.9	X	263.20401	170.82127	75.48486	6.64936	0.0966840	0.18518431	3.0483624	21	1 9.6	20.5
464436 2016 BE_{35}	15.8	X	257.83207	137.54365	118.81660	8.65457	0.0415096	0.18952919	3.0015942	21	1 19.5	20.1
464437 2016 BF_{35}	17.9	X	181.79702	156.90322	359.70348	3.97933	0.0838953	0.28331007	2.2959444	21	9 19.8	21.0
464438 2016 BP_{35}	17.3	X	254.53677	356.27130	90.86975	7.33218	0.0636855	0.28806300	2.2706196	21	9 24.0	20.1
464439 2016 BQ_{35}	16.3	X	125.04692	23.12628	354.00870	10.34367	0.1117021	0.19009630	2.9956215	21	1 27.0	20.7
464440 2016 BS_{35}	15.6	X	258.93631	129.25807	120.17119	17.08116	0.0420998	0.18390240	3.0625119	21	1 13.4	20.1
464441 2016 BU_{35}	17.4	X	164.53683	85.36877	342.33681	13.52584	0.1565106	0.23798513	2.5789099	21	4 30.2	21.7
464442 2016 BA_{36}	17.3	X	181.12113	75.17098	331.03967	14.88693	0.1161454	0.23386613	2.6091027	21	4 16.3	21.6
464443 2016 BB_{36}	17.8	X	243.02101	309.22732	107.80036	7.70224	0.1035220	0.26945576	2.3739837	21	7 15.2	20.7
464444 2016 BE_{36}	15.4	X	358.40983	140.62941	333.62516	13.48868	0.2105579	0.17311013	3.1885096	21	—	—
464445 2016 BF_{36}	16.3	X	73.07984	148.47609	335.57670	14.61026	0.0691600	0.21273587	2.7791302	21	3 17.6	19.9
464446 2016 BJ_{36}	16.8	X	309.07042	136.02741	40.88195	5.46418	0.2189619	0.16811336	3.2513813	21	—	—
464447 2016 BK_{36}	15.9	X	308.46232	92.75535	115.54934	12.13833	0.2593495	0.17719275	3.1393428	21	—	—
464448 2016 BP_{36}	17.2	X	104.54108	87.33833	110.90190	8.07197	0.0520611	0.26147300	2.4220596	21	8 11.6	20.4
464449 2016 BQ_{36}	16.1	X	16.77194	119.21631	332.29380	10.27960	0.2210779	0.17505562	3.1648418	21	—	—
464450 2016 BT_{36}	18.3	X	107.71000	89.88084	42.35847	2.93927	0.1907187	0.23517070	2.5994447	21	6 3.1	22.1
464451 2016 BA_{37}	16.6	X	32.62110	90.01358	6.99119	4.42952	0.0799441	0.18196930	3.0841628	21	—	—
464452 2016 BC_{37}	16.3	X	13.71089	3.02004	111.44729	10.61380	0.1470780	0.18026952	3.1035198	21	—	—
464453 2016 BB_{38}	16.8	X	288.63344	210.58013	60.45983	5.96210	0.1187313	0.21018236	2.8015940	21	3 3.8	20.8
464454 2016 BY_{38}	16.5	X	324.49442	189.42683	60.89084	11.87423	0.1124648	0.20920071	2.8103513	21	3 28.3	20.3
464455 2016 BR_{40}	16.1	X	44.89820	325.89674	122.42733	10.17356	0.0601609	0.18314514	3.0709479	21	1 1.3	20.1
464456 2016 BA_{41}	17.8	X	354.79581	267.36597	337.75788	3.66963	0.1333827	0.22828059	2.6514904	21	4 26.8	20.5
464457 2016 BJ_{41}	17.6	X	84.94343	276.31830	332.42462	8.30964	0.1811300	0.27239406	2.3568808	21	10 7.8	21.1
464458 2016 BR_{41}	15.7	X	86.74164	82.70526	323.81890	10.70141	0.0482399	0.18462193	3.0545497	21	1 6.4	19.9
464459 2016 BE_{42}	16.9	X	100.44653	5.71988	92.86521	5.51841	0.0357283	0.21578711	2.7528701	21	3 23.9	20.6
464460 2016 BP_{43}	16.7	X	5.19360	348.21989	136.76179	1.93483	0.1434212	0.18075576	3.0979515	21	—	—
464461 2016 BU_{43}	15.7	X	53.88661	119.51514	315.40976	10.55613	0.0784986	0.18237907	3.0795414	21	—	—
464462 2016 BX_{43}	16.7	X	70.41590	330.56602	129.70744	7.66354	0.2110648	0.20572996	2.8418710	21	3 9.9	19.9
464463 2016 BC_{44}	16.0	X	310.78252	57.04500	132.29665	10.64721	0.0513980	0.18120204	3.0928629	21	1 1.3	20.4
464464 2016 BH_{44}	18.5	X	247.84788	212.77130	224.00541	1.22051	0.0936177	0.28229556	2.3014419	21	8 19.9	21.4
464465 2016 BY_{44}	17.0	X	31.82056	35.34246	109.29584	3.23710	0.0106713	0.20319110	2.8654946	21	2 18.2	20.8
464466 2016 BZ_{45}	17.5	X	67.89212	348.21976	285.75838	5.39371	0.0802114	0.28041962	2.3116945	21	10 8.9	20.5
464467 2016 BV_{46}	16.8	X	70.20857	116.05713	302.30400	3.54146	0.0916566	0.18518580	3.0483460	21	1 1.9	20.7
464468 2016 BX_{46}	17.0	X	121.37511	275.99748	130.30833	2.93821	0.0637969	0.20359561	2.8616978	21	2 15.6	20.8
464469 2016 BE_{47}	15.8	X	81.01367	85.42603	317.27227	8.86017	0.0625543	0.18131677	3.0915580	21	—	—
464470 2016 BU_{47}	18.3	X	140.65245	21.17443	130.88023	2.20520	0.1281608	0.25984550	2.4321625	21	7 29.2	21.8
464471 2016 BX_{47}	16.2	X	310.42938	79.49014	128.79327	13.07700	0.0563987	0.19067598	2.9895471	21	1 20.7	20.3
464472 2016 BF_{48}	16.2	X	48.78877	95.07056	342.24694	8.31095	0.1074382	0.17961662	3.1110360	21	—	—
464473 2016 BY_{48}	17.0	X	143.32291	313.04040	94.75327	5.56325	0.1078926	0.21531517	2.7568912	21	3 21.3	21.1
464474 2016 BB_{49}	18.0	X	118.42437	287.18577	328.68452	4.53763	0.1323933	0.29740624	2.2228116	21	11 21.8	21.4
464475 2016 BG_{49}	17.0	X	161.43814	244.40302	135.88204	4.42558	0.1151426	0.21237766	2.7822543	21	3 5.8	21.3
464476 2016 BA_{51}	16.0	X	23.14891	332.36462	124.02272	18.80670	0.0569223	0.18291041	3.0735747	21	—	—
464477 2016 BC_{52}	18.6	X	171.54597	261.47970	247.40390	0.46753	0.1271202	0.27435395	2.3456430	21	8 26.7	22.0
464478 2016 BK_{52}	16.1	X	69.76388	254.37109	133.03878	23.08637	0.2147788	0.17734118	3.1375909	21	—	—
464479 2016 BS_{53}	16.5	X	5.49913	262.38708	236.44949	2.15140	0.0447771	0.18824948	3.0151819	21	1 8.5	20.4
464480 2016 BV_{53}	17.0	X	183.70257	247.57740	139.82751	12.89105	0.1420117	0.23066545	2.6331828	21	4 8.5	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464481 2016 BR_{54}	17.0	X	326.77012	75.27420	193.59684	2.40016	0.1783250	0.22570522	2.6716218	21	4 6.9	19.8
464482 2016 BS_{54}	17.8	X	131.68561	269.80981	291.24714	5.20980	0.2295195	0.27151514	2.3619644	21	9 25.1	21.8
464483 2016 BM_{55}	15.2	X	315.31961	238.36615	293.02609	9.89929	0.1828411	0.17314394	3.1880945	21	—	—
464484 2016 BK_{57}	16.9	X	222.96878	295.53618	33.65668	5.48403	0.0409583	0.21254000	2.7808374	21	3 8.0	20.9
464485 2016 BK_{59}	16.3	X	76.63199	269.07405	143.17698	9.63019	0.1915180	0.18736105	3.0247060	21	1 14.8	20.0
464486 2016 BY_{62}	16.5	X	151.09607	261.56763	126.35492	9.43826	0.1697439	0.21479600	2.7613317	21	3 10.8	20.8
464487 2016 BN_{63}	16.9	X	250.08439	357.45521	300.93789	1.70734	0.0241427	0.20865391	2.8152591	21	2 28.4	20.8
464488 2016 BS_{63}	16.6	X	270.79674	286.18582	309.44438	4.75239	0.1542972	0.17852513	3.1237036	21	—	—
464489 2016 BB_{64}	17.7	X	100.05655	256.28547	326.30029	0.92443	0.1311322	0.26900023	2.3766630	21	9 17.4	20.9
464490 2016 BO_{64}	16.8	X	108.08739	323.92567	148.45118	16.53014	0.2098748	0.22456622	2.6806478	21	5 16.7	21.1
464491 2016 BS_{64}	17.6	X	122.66438	129.95763	342.94720	1.89839	0.0837011	0.23292394	2.6161339	21	5 11.9	21.2
464492 2016 BJ_{68}	18.0	X	356.82801	254.35756	100.96558	4.51891	0.1787593	0.30090970	2.2055247	21	11 7.9	19.6
464493 2016 BB_{69}	17.0	X	79.43130	92.82961	317.19364	8.50940	0.1274973	0.18725924	3.0258022	21	1 9.4	20.8
464494 2016 BQ_{69}	17.6	X	13.09819	345.88135	330.26845	6.45989	0.2087622	0.28084086	2.3093824	21	10 4.7	19.5
464495 2016 BV_{69}	17.0	X	212.51946	227.19600	113.09537	5.58562	0.0728998	0.21305254	2.7763757	21	3 9.2	21.1
464496 2016 BZ_{69}	17.6	X	19.07014	173.01669	117.07507	6.95814	0.1151074	0.26677222	2.3898775	21	8 25.6	19.9
464497 2016 BL_{70}	17.1	X	238.19564	275.14953	61.83137	6.03938	0.0449543	0.22299888	2.6931937	21	4 3.5	20.9
464498 2016 BZ_{71}	15.7	X	212.53156	307.83770	329.32558	8.78334	0.0466476	0.17667946	3.1454202	21	—	—
464499 2016 BU_{72}	18.2	X	111.02749	155.80182	112.71340	3.41426	0.1241545	0.29902282	2.2147931	21	12 2.2	21.2
464500 2016 BC_{74}	15.9	X	129.03608	246.29039	101.25838	9.99414	0.0899834	0.17339833	3.1849756	21	—	—
464501 2016 BW_{75}	16.0	X	21.19211	337.47460	129.31183	17.52562	0.1557803	0.18023951	3.1038642	21	—	—
464502 2016 BX_{75}	18.3	X	343.11294	355.31543	31.13641	3.52284	0.0427392	0.30118929	2.2041596	21	11 13.2	20.4
464503 2016 BB_{77}	18.4	X	219.89291	12.80745	60.45244	2.59726	0.1301298	0.26599167	2.3945506	21	7 7.6	21.8
464504 2016 BF_{77}	16.7	X	137.65516	299.99146	112.85806	6.75304	0.0293337	0.20851699	2.8164913	21	3 12.6	20.6
464505 2016 BJ_{77}	17.2	X	346.19414	132.94331	92.25916	4.37152	0.0321560	0.21559217	2.7545293	21	3 31.3	20.8
464506 2016 BM_{77}	17.2	X	160.79269	3.62958	22.46107	4.69120	0.0824416	0.20990566	2.8040556	21	3 10.3	21.3
464507 2016 BP_{77}	16.5	X	158.11866	350.75820	342.81434	10.75115	0.0328196	0.17745701	3.1362254	21	1 4.3	21.2
464508 2016 BR_{77}	17.0	X	103.90421	291.04982	330.21148	22.11401	0.2857403	0.28052053	2.3111401	21	11 14.2	21.5
464509 2016 BS_{77}	16.5	X	269.48448	206.13851	90.02652	5.47792	0.0435365	0.21340950	2.7732789	21	3 21.8	20.4
464510 2016 BA_{78}	16.4	X	321.83861	188.60639	0.23267	8.67519	0.0367125	0.18485367	3.0519963	21	1 17.6	20.7
464511 2016 BO_{79}	17.6	X	27.50745	187.10421	96.61072	7.39886	0.1281386	0.26431745	2.4046516	21	9 3.7	20.2
464512 2016 BD_{80}	16.8	X	35.14286	106.73536	1.32512	7.41377	0.1868672	0.18832746	3.0143496	21	1 13.7	20.1
464513 2016 BJ_{80}	17.1	X	47.47184	104.05890	32.25402	6.52762	0.1473186	0.20485873	2.8499226	21	3 10.9	20.2
464514 2016 CN	16.8	X	28.82024	287.52670	154.17644	7.43475	0.1632836	0.17748175	3.1359339	21	—	—
464515 2016 CL_{1}	18.2	X	125.26014	38.66081	170.99190	5.28517	0.0937872	0.27852469	2.3221677	21	9 27.0	21.3
464516 2016 CN_{1}	16.3	X	124.09113	242.83031	152.04356	9.65397	0.0813754	0.19955799	2.9001690	21	2 6.9	20.3
464517 2016 CR_{1}	16.3	X	227.17481	56.42318	253.81756	5.01465	0.0458212	0.20358755	2.8617734	21	2 14.2	20.6
464518 2016 CN_{3}	17.0	X	46.06751	349.84007	281.83870	6.27031	0.0930085	0.26983426	2.3717632	21	9 4.5	19.8
464519 2016 CP_{4}	17.4	X	324.74503	191.74715	164.09166	5.09240	0.2158077	0.28524980	2.2855241	21	8 8.7	18.9
464520 2016 CE_{5}	16.4	X	257.42588	31.87308	262.74017	2.73333	0.0726069	0.20920462	2.8103163	21	2 26.7	20.4
464521 2016 CM_{8}	17.3	X	337.70416	25.96394	225.87995	1.12002	0.0207014	0.22807343	2.6530957	21	4 20.9	20.7
464522 2016 CW_{9}	19.0	X	247.25049	248.35683	247.39661	1.68310	0.1170785	0.30681472	2.1771345	21	11 11.9	21.5
464523 2016 CY_{11}	17.5	X	128.89757	285.70754	255.13202	1.57077	0.1307377	0.26355331	2.4092973	21	8 23.6	21.1
464524 2016 CR_{12}	16.5	X	26.96490	158.04880	316.56330	8.00545	0.0492141	0.18353918	3.0665509	21	1 9.8	20.5
464525 2016 CG_{13}	17.4	X	154.25325	344.45261	161.00173	6.89785	0.0417732	0.26252239	2.4156007	21	7 30.3	20.7
464526 2016 CJ_{13}	17.3	X	157.88912	227.30349	195.15011	2.40465	0.0887917	0.22760388	2.6567434	21	4 19.1	21.1
464527 2016 CX_{13}	16.7	X	345.78517	226.67367	305.22640	9.76773	0.0711273	0.18790829	3.0188306	21	1 20.9	20.6
464528 2016 CA_{15}	16.3	X	301.87834	72.46007	140.58704	14.22086	0.1169088	0.18225163	3.0809769	21	1 9.6	20.8
464529 2016 CZ_{15}	17.1	X	182.77642	94.71997	287.65642	2.72936	0.0850896	0.22262719	2.6961906	21	3 25.0	21.2
464530 2016 CT_{16}	17.4	X	293.17182	138.91671	204.02766	2.12464	0.0129081	0.25263909	2.4781962	21	6 23.2	20.6
464531 2016 CB_{17}	17.0	X	99.63815	288.40751	168.08160	4.61233	0.0300933	0.21184386	2.7869262	21	3 17.2	20.5
464532 2016 CW_{17}	16.5	X	224.54742	86.85268	262.30864	5.49494	0.1017703	0.22511638	2.6762786	21	3 25.5	20.7
464533 2016 CB_{18}	15.8	X	52.45411	128.37187	288.34623	5.33887	0.0688197	0.17033271	3.2230770	21	—	—
464534 2016 CZ_{19}	16.5	X	67.02551	256.13875	160.16478	6.42639	0.1526942	0.18582370	3.0413658	21	—	—
464535 2016 CX_{21}	16.7	X	133.01989	141.33204	266.99490	3.20192	0.0707860	0.21053958	2.7984242	21	3 1.9	20.7
464536 2016 CO_{22}	17.3	X	156.87615	6.35308	153.18092	6.27478	0.0664652	0.27044362	2.3681992	21	8 24.4	20.3
464537 2016 CG_{23}	16.1	X	357.65367	343.37240	149.25587	15.83609	0.2214369	0.17587700	3.1549805	21	—	—
464538 2016 CH_{23}	17.4	X	181.13233	170.97240	322.98316	6.27093	0.0747740	0.26697926	2.3886418	21	8 17.9	20.6
464539 2016 CT_{23}	15.9	X	57.99335	5.27784	80.60933	11.11922	0.0814089	0.19086510	2.9875719	21	1 17.0	19.7
464540 2016 CW_{23}	16.5	X	67.24530	64.52261	73.79002	9.70889	0.1040730	0.21655501	2.7463585	21	4 10.4	20.0
464541 2016 CF_{27}	16.8	X	64.51800	66.63798	352.26087	8.37237	0.1313005	0.18497510	3.0506604	21	—	—
464542 2016 CO_{32}	18.0	X	238.08993	285.38706	204.59617	4.59678	0.0904213	0.29633795	2.2281506	21	10 24.4	20.4
464543 2016 CU_{32}	16.0	X	335.82982	353.71221	162.93566	20.87773	0.0888290	0.17474401	3.1686031	21	—	—
464544 2016 CW_{32}	17.3	X	146.49831	230.48561	321.14013	5.47027	0.0625215	0.27430534	2.3459200	21	9 22.8	20.6
464545 2016 CP_{35}	17.8	X	165.94417	59.56218	17.42899	3.99393	0.1512054	0.24477208	2.5310154	21	5 17.9	21.7
464546 2016 CK_{36}	17.0	X	173.02629	314.29637	59.59496	0.89503	0.0873624	0.21385936	2.7693885	21	3 7.3	21.0
464547 2016 CL_{36}	17.9	X	87.31527	124.97118	357.48322	1.82559	0.1542687	0.22210189	2.7004401	21	4 20.2	21.3
464548 2016 CK_{37}	16.2	X	154.36287	268.51387	78.03781	3.69183	0.1052845	0.18810375	3.0167391	21	1 19.6	20.7
464549 2016 CC_{38}	17.9	X	167.72757	91.29175	118.44528	6.16404	0.0906401	0.29936993	2.2130808	21	11 17.5	20.9
464550 2016 CV_{38}	17.7	X	117.88870	289.47694	318.06920	6.19534	0.1610161	0.28978664	2.2616070	21	11 9.7	21.3
464551 2016 CG_{40}	17.1	X	33.15235	60.82107	127.78564	7.21934	0.0023479	0.22495247	2.6775784	21	4 16.7	20.7
464552 2016 CS_{40}	17.6	X	164.50416	305.17118	118.17836	3.73879	0.1157447	0.23374588	2.6099974	21	4 30.2	21.5
464553 2016 CU_{40}	16.4	X	180.06127	244.89027	125.08607	13.38105	0.1999529	0.21806015	2.7337062	21	3 18.0	21.1
464554 2016 CX_{40}	17.4	X	173.84592	327.33174	87.32287	4.52452	0.1482357	0.23696939	2.5862741	21	4 29.8	21.4
464555 2016 CW_{42}	17.0	X	262.74076	257.44824	37.19665	5.63198	0.0514072	0.21076714	2.7964096	21	3 10.6	20.9
464556 2016 CF_{43}	16.0	X	52.52766	340.59409	100.06603	11.76640	0.0250374	0.17992948	3.1074286	21	1 1.5	20.2
464557 2016 CN_{43}	16.9	X	118.07078	83.86073	356.33296	7.94303	0.0879185	0.21632199	2.7483304	21	3 26.4	20.8
464558 2016 CZ_{43}	17.3	X	336.02674	230.28671	107.20083	10.82202	0.2509771	0.27435712	2.3456249	21	8 4.1	18.5
464559 2016 CC_{44}	17.4	X	238.83153	345.14543	95.94348	6.79527	0.1594518	0.28023031	2.3127356	21	8 7.3	20.6
464560 2016 CS_{44}	17.0	X	120.60552	70.72247	46.19034	3.61990	0.0222452	0.23214706	2.6219672	21	5 6.8	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464561 2016 CC_{47}	17.5	X	247.63132	314.65939	99.66540	7.33478	0.1039381	0.27202953	2.3589859	21	7 17.5	20.5
464562 2016 CT_{48}	17.6	X	185.80749	329.82399	80.70263	3.39606	0.1321028	0.23917423	2.5703551	21	5 4.9	21.7
464563 2016 CX_{49}	16.7	X	88.07279	61.90659	36.17168	7.71055	0.0481817	0.20687208	2.8314016	21	3 10.6	20.5
464564 2016 CC_{50}	16.9	X	7.48519	105.35299	18.30194	7.45217	0.1517479	0.17922830	3.1155280	21	—	—
464565 2016 CZ_{51}	16.1	X	248.71303	176.19950	68.40418	6.37735	0.1172030	0.17043323	3.2218096	21	—	—
464566 2016 CE_{52}	16.2	X	319.02775	64.33609	124.09125	14.72713	0.1058987	0.17993182	3.1074018	21	1 3.1	20.6
464567 2016 CD_{56}	17.7	X	196.33688	84.69299	94.04816	4.92151	0.1155634	0.29561701	2.2317717	21	11 5.8	20.7
464568 2016 CP_{60}	15.4	X	244.80794	167.92977	102.85396	13.69164	0.0678422	0.18296151	3.0730024	21	1 22.1	20.0
464569 2016 CY_{63}	16.1	X	299.69963	179.60146	22.76924	10.57262	0.0541354	0.17580094	3.1558905	21	1 5.7	20.8
464570 2016 CQ_{64}	16.9	X	44.48935	96.18318	108.99805	12.58426	0.1247813	0.22827001	2.6515723	21	6 4.9	20.1
464571 2016 CS_{64}	16.2	X	163.85140	279.28962	66.03501	8.12949	0.1155389	0.18427214	3.0584140	21	1 30.8	21.0
464572 2016 CA_{66}	16.7	X	58.79466	82.42811	71.03028	8.54619	0.1655845	0.21382878	2.7696524	21	4 24.7	19.9
464573 2016 CY_{67}	16.3	X	238.33865	328.76111	345.61813	6.78337	0.0906385	0.20679433	2.8321112	21	3 2.8	20.6
464574 2016 CG_{69}	15.7	X	270.50194	212.48944	97.04678	14.68484	0.1513233	0.21316681	2.7753834	21	3 31.7	20.1
464575 2016 CW_{69}	15.5	X	245.47413	208.67354	54.52636	11.00788	0.0487556	0.17759194	3.1346367	21	1 17.3	20.2
464576 2016 CS_{70}	16.9	X	94.21806	71.18561	90.55364	14.34979	0.2205040	0.23288833	2.6164006	21	6 30.9	20.6
464577 2016 CN_{72}	18.7	X	159.37072	178.74566	84.69712	1.04530	0.0677151	0.31595255	2.1349521	21	—	—
464578 2016 CO_{72}	16.2	X	90.70775	256.29805	150.08707	17.14798	0.1609345	0.18196017	3.0842660	21	1 24.6	20.4
464579 2016 CW_{74}	16.2	X	16.35559	78.77450	11.75712	14.11076	0.1990476	0.17488135	3.1669440	21	—	—
464580 2016 CK_{76}	16.4	X	13.81360	94.55460	44.99785	8.81293	0.0761791	0.19107407	2.9853932	21	1 20.7	20.3
464581 2016 CD_{81}	16.2	X	220.98130	297.26774	356.33832	10.70971	0.0657103	0.18682555	3.0304832	21	1 26.1	20.9
464582 2016 CB_{89}	16.1	X	250.75112	196.44773	79.18097	11.43218	0.0652192	0.18787572	3.0191795	21	2 4.6	20.7
464583 2016 CE_{96}	16.0	X	215.32109	17.94215	271.38961	9.52371	0.1122268	0.18316600	3.0707147	21	1 11.6	20.9
464584 2016 CM_{97}	15.5	X	220.87447	15.30066	286.00075	12.26822	0.0358043	0.19404184	2.9548751	21	1 29.1	19.8
464585 2016 CT_{98}	18.7	X	227.26429	286.28862	187.31010	6.22766	0.1837537	0.28875003	2.2670166	21	9 2.6	22.1
464586 2016 CZ_{100}	16.5	X	86.48934	216.89644	280.53575	10.71551	0.0249292	0.22488961	2.6780774	21	4 14.5	20.4
464587 2016 CK_{103}	16.0	X	122.15242	106.99481	253.14135	8.14248	0.0670853	0.17544282	3.1601836	21	—	—
464588 2016 CW_{105}	17.2	X	80.29460	357.21922	268.59293	7.67095	0.1958781	0.27690414	2.3312191	21	10 28.3	20.7
464589 2016 CG_{106}	17.2	X	109.25286	205.94664	256.01320	6.25353	0.0684567	0.22081280	2.7109399	21	4 7.4	20.9
464590 2016 CH_{108}	17.5	X	238.97613	166.95845	201.90380	6.64424	0.0211435	0.23749870	2.5824300	21	5 15.8	21.0
464591 2016 CF_{109}	17.1	X	84.81697	253.37432	243.13733	5.10270	0.1134066	0.22326022	2.6910916	21	4 28.8	20.5
464592 2016 CY_{109}	17.1	X	8.54432	53.46037	196.03939	6.89714	0.1543274	0.23239066	2.6201346	21	6 1.8	19.7
464593 2016 CP_{110}	16.2	X	162.42671	57.68771	272.53553	9.00483	0.0750302	0.17692526	3.1425063	21	1 7.0	20.8
464594 2016 CK_{111}	16.7	X	264.11024	39.47452	284.53099	13.42840	0.1760886	0.22582224	2.6706988	21	3 23.8	21.2
464595 2016 CH_{112}	16.5	X	60.63278	182.37262	238.74060	8.03499	0.0743786	0.17575017	3.1564982	21	—	—
464596 2016 CS_{116}	16.8	X	201.19200	127.91108	214.11002	7.32301	0.0364259	0.20134778	2.8829569	21	2 23.6	21.2
464597 2016 CN_{119}	16.4	X	247.41891	97.91215	163.60073	16.12785	0.0155128	0.18344684	3.0675799	21	1 15.8	21.1
464598 2016 CB_{121}	16.5	X	253.45964	107.81405	167.45074	10.03998	0.0926684	0.18951101	3.0017861	21	1 31.3	21.1
464599 2016 CC_{121}	16.6	X	202.63943	82.09127	273.73351	6.50917	0.1722164	0.21404034	2.7678271	21	3 12.3	21.3
464600 2016 CH_{121}	18.1	X	133.84380	318.99295	281.22362	4.53426	0.1312881	0.29099775	2.2553276	21	11 16.5	21.4
464601 2016 CN_{123}	17.7	X	81.11525	73.23032	196.50349	4.76473	0.1514369	0.27986189	2.3147648	21	11 1.9	21.0
464602 2016 CU_{123}	16.7	X	44.34403	185.42053	288.04639	5.18447	0.0493788	0.19055073	2.9908569	21	1 28.7	20.5
464603 2016 CF_{128}	16.2	X	139.01633	160.80710	173.93757	10.55152	0.0566230	0.16897514	3.2403170	21	—	—
464604 2016 CR_{130}	16.8	X	24.96383	214.79365	243.63651	4.40290	0.1730657	0.17797097	3.1301845	21	—	—
464605 2016 CT_{134}	17.1	X	85.46941	26.30165	65.31175	6.59481	0.0438353	0.20431442	2.8549819	21	2 26.6	21.0
464606 2016 CE_{136}	17.5	X	142.08897	245.13403	110.75527	24.02148	0.0980707	0.36329829	1.9451831	21	—	—
464607 2016 CD_{138}	16.0	X	307.77125	261.76158	275.90539	3.35105	0.1034643	0.17259880	3.1948038	21	—	—
464608 2016 CG_{138}	17.3	X	147.55730	71.74689	342.15431	21.32119	0.1179729	0.22550002	2.6732423	21	3 23.5	21.5
464609 2016 CV_{138}	17.2	X	170.21111	103.78611	329.17324	6.50778	0.2653661	0.24179484	2.5517494	21	5 19.9	21.8
464610 2016 CW_{138}	18.6	X	152.87398	77.83705	330.42411	19.00392	0.1062085	0.39536077	1.8385425	21	3 1.2	20.3
464611 2016 CW_{139}	17.6	X	175.74890	164.13177	357.66083	8.52418	0.1649847	0.28060151	2.3106955	21	9 17.1	21.1
464612 2016 CJ_{140}	16.8	X	183.92718	130.35192	206.86495	12.05044	0.1145002	0.19672273	2.9279682	21	2 2.1	21.6
464613 2016 CG_{141}	16.3	X	16.65945	196.10754	291.10143	9.63178	0.0474452	0.18410170	3.0603013	21	1 10.3	20.3
464614 2016 CE_{144}	17.0	X	84.49820	84.19584	124.37421	2.90516	0.1246980	0.25349323	2.4726262	21	8 8.7	20.2
464615 2016 CJ_{167}	16.7	X	334.27944	190.57338	330.87891	8.28186	0.0809916	0.18358997	3.0659853	21	—	—
464616 2016 CE_{175}	16.6	X	356.54929	326.15999	162.87654	5.86388	0.1048339	0.17813754	3.1282329	21	—	—
464617 2016 CU_{239}	15.8	X	31.20408	346.42631	103.46733	19.41293	0.0989688	0.17100125	3.2146710	21	—	—
464618 2016 CO_{241}	16.9	X	49.68674	125.29757	50.53349	15.10935	0.1185642	0.21793461	2.7347559	21	5 2.3	20.0
464619 2016 CP_{241}	16.8	X	168.34314	19.61544	53.76068	14.11337	0.2187031	0.24061549	2.5600808	21	5 18.8	21.0
464620 2016 CN_{243}	16.1	X	20.21141	86.29507	31.78868	15.29259	0.1254407	0.17874063	3.1211923	21	1 3.1	20.1
464621 2016 CD_{244}	16.6	X	0.27518	67.47023	61.53809	13.86359	0.2649369	0.17552746	3.1591677	21	—	—
464622 2016 CB_{245}	16.2	X	289.96764	147.10044	66.59329	13.01618	0.0874565	0.17370488	3.1812273	21	1 2.8	20.9
464623 1995 SB_{41}	16.6	X	283.09517	107.21229	177.95171	15.98121	0.2121380	0.17646243	3.1479987	21	3 3.6	21.5
464624 1997 SG_{15}	16.6	X	202.24265	355.72391	354.49107	9.95000	0.1027382	0.18684317	3.0302926	21	3 11.8	21.3
464625 1997 TJ_{27}	18.4	X	124.22283	87.83936	218.72453	4.85610	0.1345550	0.29766322	2.2215321	21	—	—
464626 1998 SO_{172}	16.5	X	124.35792	40.04807	353.60468	9.61563	0.1002956	0.19170158	2.9788748	21	2 12.8	20.8
464627 1998 UN_{50}	18.0	X	171.55567	248.61606	223.40768	5.78075	0.1990380	0.24400738	2.5363007	21	7 8.3	22.3
464628 1999 CR_{147}	17.1	X	67.86528	255.35724	345.71449	10.24207	0.2227314	0.23486608	2.6016918	21	9 13.1	20.5
464629 1999 CO_{159}	16.7	X	159.73462	5.84094	145.27957	17.19154	0.1967106	0.23977158	2.5660843	21	8 17.3	20.9
464630 1999 EG_{8}	15.9	X	295.65727	215.47006	19.57112	27.41038	0.1334965	0.17219820	3.1997568	21	2 11.5	21.0
464631 1999 RN_{193}	18.0	X	21.75140	183.38358	173.93915	5.70012	0.2137648	0.27374445	2.3491234	21	12 22.1	20.7
464632 1999 TG_{23}	16.8	X	298.97073	318.62003	25.23415	8.84417	0.2244107	0.21694374	2.7430768	21	5 29.1	20.4
464633 1999 TB_{46}	17.8	X	91.32746	119.81253	211.15132	8.86639	0.2814799	0.27933627	2.3176677	21	—	—
464634 1999 TQ_{52}	17.4	X	235.52605	138.90152	217.32756	3.52068	0.0888298	0.21072503	2.7967821	21	4 19.7	21.5
464635 1999 TB_{87}	16.8	X	297.70434	126.81485	207.93011	11.63409	0.2746606	0.21543253	2.7558898	21	5 10.3	20.5
464636 1999 TY_{225}	17.6	X	339.62635	357.52266	12.95184	2.93538	0.1927118	0.26787358	2.3833224	21	10 13.6	19.0
464637 1999 VG_{155}	17.3	X	51.02089	142.47561	203.34961	21.46032	0.2060249	0.27709113	2.3301702	21	—	—
464638 2000 BY_{39}	16.3	X	121.59041	103.77184	306.90768	10.10994	0.1590747	0.19222925	2.9734210	21	3 3.4	20.8
464639 2000 PO_{30}	19.0	X	133.09129	218.03484	201.01558	3.57818	0.3994277	0.39616385	1.8360570	21	4 5.4	21.4
464640 2000 QG_{115}	17.8	X	47.63592	148.32268	213.53287	3.79264	0.2494113	0.29188134	2.2507737	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464641 2000 QE_{145}	17.8	X	34.51262	331.32398	20.91544	6.28199	0.2284169	0.28850691	2.2682899	21	—	—
464642 2000 QQ_{148}	16.5	X	299.48280	355.52829	353.35275	13.17665	0.2984630	0.22977331	2.6399944	21	5 21.6	20.3
464643 2000 QH_{180}	16.9	X	333.24912	336.90747	348.41734	14.20198	0.2750837	0.23152715	2.6266453	21	6 30.2	19.4
464644 2000 RO_{38}	16.8	X	9.36209	333.66840	352.74135	17.33400	0.4457216	0.23682330	2.5873376	21	11 13.1	19.5
464645 2000 SB_{49}	17.5	X	21.84948	171.41160	220.40035	4.66166	0.1453096	0.29110209	2.2547886	21	—	—
464646 2000 SO_{199}	17.2	X	275.06599	335.42860	17.73427	6.29114	0.2590713	0.22530437	2.6747896	21	5 7.5	21.2
464647 2000 SV_{359}	17.7	X	352.20940	119.96793	235.76351	4.53397	0.1980105	0.28249727	2.3003463	21	10 23.6	19.2
464648 2000 TR_{28}	16.6	X	7.26576	279.90634	46.68354	29.68827	0.3282781	0.23473952	2.6026268	21	10 29.7	18.8
464649 2000 VR_{1}	16.7	X	292.83974	301.43147	41.30834	14.15697	0.2212607	0.22464090	2.6800537	21	5 19.1	20.3
464650 2000 VY_{44}	16.6	X	247.82538	338.01625	32.22068	18.14249	0.2641225	0.22087015	2.7104705	21	5 2.8	21.2
464651 2000 WS_{122}	16.9	X	15.63632	303.17821	67.00998	6.16866	0.1624329	0.28263468	2.2996006	21	12 24.5	19.3
464652 2001 GE_{4}	17.9	X	189.25713	24.24995	88.59299	5.48205	0.4245970	0.26114200	2.4241058	21	7 22.4	22.8
464653 2001 KF_{32}	17.9	X	177.56592	174.20248	225.90767	20.81422	0.0194062	0.38986610	1.8557768	21	3 8.4	20.2
464654 2001 NC_{13}	16.6	X	295.94464	139.10610	171.07972	30.58228	0.1810962	0.24140929	2.5544656	21	4 19.9	20.4
464655 2001 QA_{59}	18.3	X	110.46717	169.25134	179.78253	4.54469	0.2366956	0.31378911	2.1447539	21	—	—
464656 2001 RS_{12}	16.3	X	272.28672	327.46402	342.51429	15.99464	0.2756794	0.18397126	3.0617476	21	3 14.1	21.4
464657 2001 RU_{112}	17.0	X	317.27115	217.68019	65.44698	0.52825	0.2979315	0.18750172	3.0231930	21	3 28.7	20.7
464658 2001 RX_{132}	18.1	X	110.85869	230.79385	108.34997	3.80529	0.2129444	0.31261120	2.1501381	21	—	—
464659 2001 SH_{10}	16.2	X	189.60918	161.39479	172.61103	15.32692	0.2498242	0.17367551	3.1815860	21	2 11.7	21.9
464660 2001 SG_{41}	18.1	X	105.59318	227.07363	181.26964	21.88416	0.0974578	0.36890139	1.9254365	21	—	—
464661 2001 SE_{102}	18.0	X	56.81784	121.11302	190.77768	7.86361	0.2002788	0.25249739	2.4791233	21	12 1.4	21.6
464662 2001 SD_{119}	16.9	X	272.82712	185.87432	199.58887	12.29137	0.1923268	0.23988897	2.5652470	21	6 25.4	20.7
464663 2001 SW_{133}	16.1	X	176.48776	181.53822	191.15897	17.90166	0.2124958	0.17543396	3.1602900	21	3 16.9	21.6
464664 2001 SS_{201}	17.0	X	256.51358	60.38056	0.31379	14.27984	0.0961946	0.24172977	2.5522074	21	8 12.8	20.6
464665 2001 SZ_{228}	15.9	X	259.00674	275.18202	20.28092	17.05877	0.2488629	0.17817446	3.1278007	21	2 27.0	21.3
464666 2001 SA_{237}	17.8	X	232.64476	31.80417	8.34584	1.91920	0.2271693	0.23464908	2.6032955	21	5 30.8	22.1
464667 2001 SR_{284}	18.0	X	314.69953	107.91840	245.29169	1.26667	0.1852340	0.24215175	2.5492415	21	7 15.9	20.4
464668 2001 SZ_{304}	16.3	X	175.86078	344.25898	5.14514	14.70810	0.1778026	0.17250537	3.1959574	21	2 23.1	21.7
464669 2001 SE_{314}	17.3	X	352.54888	226.59334	86.84572	3.69708	0.1955971	0.24392834	2.5368486	21	8 8.2	19.2
464670 2001 SL_{341}	16.7	X	234.57697	139.22712	173.80587	9.69624	0.0292724	0.17615100	3.1517080	21	3 4.4	21.3
464671 2001 SD_{353}	17.8	X	353.17181	306.83580	14.25945	9.08201	0.1706313	0.24364713	2.5388002	21	8 25.3	20.1
464672 2001 TV_{16}	18.1	X	118.49086	16.17255	26.73103	21.13366	0.0869147	0.36853902	1.9266984	21	1 4.7	20.4
464673 2001 TY_{59}	18.3	X	318.71534	20.22350	13.57472	7.33980	0.1830718	0.29501025	2.2348308	21	10 7.5	19.6
464674 2001 TD_{86}	17.5	X	251.89154	141.54649	244.24930	3.34671	0.2241554	0.23577305	2.5950154	21	5 30.9	21.5
464675 2001 TD_{89}	18.3	X	102.01649	125.49443	227.38695	4.10246	0.1914205	0.31137622	2.1558196	21	—	—
464676 2001 TG_{93}	16.9	X	172.15525	225.67029	224.55252	13.20860	0.2640150	0.22954204	2.6417673	21	6 13.3	21.7
464677 2001 TB_{127}	17.9	X	245.54667	209.25444	186.72889	3.03365	0.1261446	0.23374486	2.6100050	21	6 16.9	21.6
464678 2001 TQ_{206}	16.6	X	296.24072	191.74555	164.57169	20.02554	0.2957548	0.23932645	2.5692651	21	6 3.9	20.5
464679 2001 UD_{10}	18.6	X	342.47331	36.71494	210.01122	21.28393	0.0413807	0.38139760	1.8831464	21	3 24.5	20.5
464680 2001 UM_{55}	17.1	X	187.70623	196.11666	223.67269	9.10731	0.2600130	0.22993898	2.6387261	21	5 19.3	21.7
464681 2001 UA_{62}	17.5	X	299.42118	333.91117	26.69571	7.79346	0.2340328	0.23939028	2.5688084	21	6 21.4	20.7
464682 2001 UU_{78}	17.1	X	183.47866	10.71663	42.97055	4.59002	0.3036290	0.22724117	2.6595697	21	5 8.9	21.9
464683 2001 UK_{118}	16.8	X	217.45296	16.28352	48.68700	14.05238	0.1651787	0.23236562	2.6203228	21	6 20.5	21.1
464684 2001 UR_{165}	17.6	X	104.02126	47.17785	36.42498	22.73525	0.0807661	0.37224534	1.9138881	21	2 27.6	20.0
464685 2001 UY_{212}	15.9	X	249.99092	282.65969	44.62199	16.62557	0.2982206	0.17912135	3.1167680	21	3 24.9	21.5
464686 2001 VN_{67}	16.0	X	135.10819	273.67554	235.23170	25.80514	0.2030989	0.23014636	2.6371407	21	7 15.6	20.8
464687 2001 VS_{125}	17.3	X	128.77380	308.71584	126.71738	9.45350	0.2848436	0.22030606	2.7150953	21	4 28.1	21.9
464688 2001 WX_{45}	17.2	X	100.95302	209.23575	236.53615	12.02627	0.1833257	0.21786347	2.7353513	21	3 22.2	21.1
464689 2001 WQ_{50}	17.3	X	239.90543	156.67628	226.37575	10.78570	0.1989378	0.23170358	2.6253118	21	5 18.7	21.4
464690 2001 WR_{56}	17.1	X	172.65037	22.12044	45.93448	9.96737	0.0986784	0.22691814	2.6620931	21	5 12.3	21.1
464691 2001 XP_{79}	16.9	X	178.50045	343.14782	92.79240	7.96563	0.2736095	0.22677956	2.6631775	21	6 1.8	21.7
464692 2001 XA_{104}	17.8	X	116.41657	6.53338	76.42954	23.90267	0.0808758	0.36992140	1.9218954	21	3 21.7	20.5
464693 2001 XO_{260}	17.1	X	144.73403	30.32762	62.69028	9.91499	0.1920757	0.22492784	2.6777740	21	5 22.4	21.4
464694 2002 AK_{41}	17.1	X	122.96781	352.97148	127.57824	11.74519	0.2460063	0.21994009	2.7181064	21	6 11.9	21.6
464695 2002 CL_{72}	16.7	X	138.89575	290.83427	133.97724	12.62278	0.1795381	0.21513673	2.7584154	21	4 16.2	21.2
464696 2002 EA_{37}	17.3	X	60.09065	5.57951	157.65045	10.29894	0.1524890	0.21199959	2.7855612	21	5 9.1	20.8
464697 2002 EC_{163}	18.2	X	126.20481	68.06989	188.09387	5.18208	0.1436065	0.28286166	2.2983703	21	11 30.1	21.8
464698 2002 GV_{155}	18.0	X	8.19665	348.44520	187.54883	22.62340	0.0414499	0.35710903	1.9675940	21	1 17.7	20.6
464699 2002 GD_{186}	18.3	X	162.44206	167.03504	39.80309	6.63173	0.1159285	0.27911827	2.3188743	21	11 2.1	21.4
464700 2002 JE_{114}	16.6	X	66.44200	144.84644	51.22858	11.83740	0.2260902	0.21252136	2.7810000	21	7 13.9	20.4
464701 2002 NZ_{31}	16.7	X	338.65888	9.62387	299.73388	7.70597	0.3160674	0.20587548	2.8405316	21	6 9.5	19.1
464702 2002 PT_{30}	17.6	X	346.12227	203.51256	155.88036	6.00496	0.2229090	0.26237466	2.4165074	21	10 14.9	19.2
464703 2002 PB_{64}	16.5	X	110.24719	252.17524	131.16277	14.59725	0.3009108	0.17924321	3.1153552	21	2 10.7	21.1
464704 2002 PT_{105}	17.1	X	336.81753	107.97380	256.37397	6.35202	0.2280489	0.26069483	2.4268770	21	9 19.4	18.9
464705 2002 PK_{166}	18.1	X	109.49770	230.13518	42.53379	3.28833	0.1867862	0.27191875	2.3596266	21	12 4.1	21.7
464706 2002 QE_{73}	17.5	X	301.22874	232.83774	159.18892	7.04541	0.1821801	0.25902617	2.4372886	21	8 20.2	20.0
464707 2002 QD_{86}	17.7	X	347.82733	93.53028	262.69608	1.36463	0.2015935	0.26208321	2.4182986	21	10 8.8	19.4
464708 2002 QR_{86}	18.1	X	50.82937	2.67847	308.50127	3.79345	0.1982978	0.26687140	2.3892854	21	11 23.8	21.2
464709 2002 QN_{93}	17.0	X	239.44037	308.73859	32.13183	1.24983	0.1312433	0.19241909	2.9714650	21	4 3.7	21.7
464710 2002 QW_{100}	17.4	X	349.12769	300.26929	64.89396	5.73138	0.2418279	0.26324222	2.4111951	21	11 3.3	18.8
464711 2002 QW_{128}	18.4	X	57.75366	284.93529	16.51214	2.02779	0.2078666	0.26680711	2.3896692	21	11 20.9	21.7
464712 2002 QQ_{139}	18.4	X	89.24391	113.92256	193.24012	4.76515	0.2580846	0.27241371	2.3567675	21	—	—
464713 2002 QF_{140}	16.3	X	263.63639	332.76618	18.20867	11.35113	0.1443904	0.19679296	2.9272716	21	5 6.6	20.7
464714 2002 RF_{9}	17.9	X	20.77207	185.02347	164.66821	5.58542	0.2539949	0.26583949	2.3954644	21	12 15.3	20.6
464715 2002 RX_{69}	17.4	X	349.93162	211.97003	155.23680	2.74109	0.2254571	0.26246327	2.4159635	21	11 6.2	19.0
464716 2002 RM_{148}	17.3	X	305.48973	203.15392	179.05913	4.87283	0.2146860	0.25662968	2.4524385	21	8 6.4	19.6
464717 2002 RN_{182}	16.4	X	142.31722	150.77500	224.64062	17.22786	0.2244377	0.18050048	3.1008718	21	2 15.9	21.7
464718 2002 RV_{202}	16.9	X	154.36123	163.61529	253.74470	2.86722	0.2295287	0.23819460	2.5773978	21	4 17.4	21.1
464719 2002 RM_{247}	16.5	X	192.87043	183.39361	152.85738	5.17850	0.1176627	0.18532043	3.0468695	21	2 14.3	21.4
464720 2002 RX_{258}	18.9	X	72.18219	93.86315	204.39265	1.55117	0.2042239	0.26720012	2.3873254	21	12 2.4	22.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464721 2002 SM_{10}	17.3	X	2.24464	139.07284	185.88476	2.19710	0.2156428	0.25843844	2.4409823	21	9 23.9	18.9
464722 2002 SC_{67}	16.4	X	128.46301	158.18665	222.56371	5.85314	0.1205044	0.17907071	3.1173556	21	2 2.1	21.1
464723 2002 TE_{44}	16.3	X	102.56637	198.89628	203.01378	15.10893	0.2746006	0.17483072	3.1675554	21	2 17.1	21.1
464724 2002 TR_{107}	17.9	X	347.92188	344.46474	11.46849	4.70991	0.2011052	0.25922423	2.4360470	21	10 8.5	19.6
464725 2002 TB_{171}	16.2	X	177.07308	85.47000	278.16235	8.63575	0.2566376	0.18335637	3.0685889	21	3 5.1	21.8
464726 2002 TQ_{224}	17.3	X	316.24291	163.77464	200.47120	9.69415	0.2240697	0.25437144	2.4669318	21	7 27.4	19.8
464727 2002 TV_{264}	16.2	X	167.32248	350.78467	35.79013	13.21648	0.2929455	0.18225640	3.0809231	21	4 2.3	21.7
464728 2002 TB_{304}	16.4	X	40.66958	324.45354	158.33303	8.52038	0.2159334	0.17557906	3.1585487	21	2 16.9	19.5
464729 2002 TS_{310}	17.8	X	101.28285	181.25889	116.05014	5.95611	0.2265893	0.26920618	2.3754508	21	12 28.7	21.8
464730 2002 TW_{357}	16.4	X	70.58707	66.77266	5.56323	26.00556	0.2641695	0.17477473	3.1682318	21	2 25.9	20.5
464731 2002 UQ_{44}	16.1	X	193.96741	311.10788	71.48508	14.01292	0.2529101	0.18371809	3.0645598	21	4 17.4	21.7
464732 2002 UD_{56}	16.7	X	139.63683	299.27686	70.36111	11.38180	0.1132062	0.17684037	3.1435119	21	2 5.8	21.5
464733 2002 XR_{4}	18.1	X	90.76552	216.71501	245.75960	20.73050	0.0963475	0.38841420	1.8603985	21	2 1.9	20.1
464734 2002 XG_{16}	17.5	X	105.06153	198.86335	265.74904	19.88715	0.0528332	0.39235775	1.8479117	21	2 22.9	19.8
464735 2003 CB_{13}	16.4	X	69.70578	263.33547	323.75252	11.24879	0.1762094	0.23422211	2.6064584	21	8 20.7	19.8
464736 2003 EV_{53}	15.7	X	53.42762	187.93793	5.02934	28.86086	0.1390666	0.22361458	2.6882478	21	5 20.5	19.5
464737 2003 GA_{3}	18.0	X	226.69480	200.44387	1.34163	6.94464	0.2175258	0.30559006	2.1829472	21	12 30.3	20.7
464738 2003 HN_{19}	18.4	X	150.18828	90.11546	191.99083	4.13239	0.1632863	0.30099086	2.2051282	21	—	—
464739 2003 KD_{16}	16.9	X	54.21142	118.49787	131.94340	5.47978	0.1362758	0.22723136	2.6596462	21	8 25.4	20.1
464740 2003 NO_{5}	16.5	X	358.58488	48.42090	236.72771	12.17834	0.2206997	0.21730916	2.7400008	21	7 2.7	19.0
464741 2003 OP_{18}	16.8	X	3.30111	339.12404	331.90848	8.36502	0.3059337	0.22008722	2.7168948	21	9 5.8	18.4
464742 2003 PB	17.6	X	131.87251	87.63719	206.62477	5.96173	0.2736885	0.29367443	2.2416026	21	—	—
464743 Stanislavkomárek	18.4	X	171.34264	335.54490	294.08283	7.60571	0.2675766	0.29723917	2.2236445	21	—	—
464744 2003 QO_{48}	18.3	X	109.92656	191.12326	127.82641	3.01911	0.2002330	0.29106584	2.2549758	21	—	—
464745 2003 RQ_{7}	16.9	X	329.04806	321.21417	359.62135	9.41843	0.2643459	0.21420775	2.7663848	21	6 11.7	19.8
464746 2003 RQ_{23}	18.2	X	37.47374	231.72242	122.87695	2.43007	0.2088355	0.28340318	2.2954415	21	—	—
464747 2003 SL_{23}	16.4	X	207.85927	66.69246	276.64686	6.25276	0.2439854	0.19682234	2.9269803	21	3 3.7	21.7
464748 2003 SG_{27}	17.9	X	61.53472	9.31698	319.34312	3.70615	0.2188739	0.28428022	2.2907179	21	—	—
464749 2003 SS_{27}	14.9	X	87.69006	155.62062	216.99781	8.97046	0.2963522	0.12533489	3.9544680	21	1 11.5	20.4
464750 2003 SW_{40}	17.7	X	308.53257	57.66116	312.79661	9.89486	0.2394555	0.27100053	2.3649536	21	7 23.3	19.9
464751 2003 SX_{141}	16.0	X	190.51451	134.37260	236.11555	11.02091	0.0726213	0.19795477	2.9158068	21	3 18.1	20.5
464752 2003 SH_{196}	17.5	X	46.80831	67.06782	274.11967	3.71179	0.1952238	0.28082280	2.3094814	21	12 31.1	20.7
464753 2003 SY_{199}	16.4	X	342.42367	354.12623	23.91314	24.43415	0.2128931	0.27372785	2.3492184	21	10 30.5	18.2
464754 2003 SF_{205}	16.8	X	71.78374	240.66290	182.45880	15.35073	0.3150601	0.18327581	3.0694881	21	2 7.5	20.4
464755 2003 SA_{220}	17.4	X	197.59997	176.48679	225.93127	17.92996	0.4504175	0.25401554	2.4692356	21	5 3.5	22.5
464756 2003 SZ_{268}	16.5	X	163.01567	101.22049	259.63058	10.92819	0.1845092	0.19186981	2.9771334	21	2 14.1	21.6
464757 2003 SP_{291}	17.9	X	45.11717	20.75197	314.66680	4.19580	0.2382469	0.28086877	2.3092294	21	12 27.6	21.0
464758 2003 SB_{324}	18.1	X	3.20537	157.74145	202.67419	0.85936	0.2038085	0.27640433	2.3340285	21	11 24.6	19.9
464759 2003 SZ_{332}	18.0	X	277.18886	319.37508	92.75230	2.37555	0.1777336	0.26883843	2.3776166	21	8 12.7	20.9
464760 2003 SG_{394}	17.5	X	104.51087	206.70117	64.55223	7.80675	0.2415934	0.28185596	2.3038343	21	12 2.2	21.1
464761 2003 SQ_{400}	17.3	X	348.56543	312.34873	66.10646	11.22557	0.2101313	0.27532860	2.3401040	21	11 22.7	18.8
464762 2003 SU_{427}	18.0	X	69.48291	123.27299	211.56767	5.68140	0.1332538	0.28510837	2.2862799	21	—	—
464763 2003 TD_{6}	17.6	X	35.26667	323.27086	8.94532	8.43195	0.1474575	0.27885597	2.3203282	21	11 24.9	20.4
464764 2003 US_{20}	17.4	X	105.73749	278.81066	34.97420	9.03615	0.2732179	0.28654245	2.2786454	21	—	—
464765 2003 UY_{22}	16.1	X	97.88487	18.36262	42.36112	9.25834	0.2709946	0.18478027	3.0528045	21	3 12.9	20.5
464766 2003 UJ_{62}	16.6	X	318.92891	202.32199	164.72826	11.02931	0.3212001	0.21527516	2.7572328	21	7 19.7	19.4
464767 2003 UB_{165}	16.9	X	70.82145	295.07301	183.64531	16.19917	0.0981973	0.19045803	2.9918273	21	3 18.4	20.6
464768 2003 UM_{171}	16.6	X	93.96971	1.37805	61.09907	4.99848	0.2963089	0.18446534	3.0562781	21	3 12.3	20.8
464769 2003 UG_{175}	17.5	X	63.02530	331.75155	352.65945	5.29500	0.1872941	0.28152299	2.3056505	21	12 26.7	20.8
464770 2003 UT_{211}	17.7	X	335.51698	341.24087	32.61071	2.70228	0.2454780	0.27218910	2.3580639	21	10 11.5	18.9
464771 2003 UQ_{219}	17.7	X	358.80615	126.29606	242.93501	5.36154	0.1482187	0.27551180	2.3390666	21	11 20.4	19.9
464772 2003 UW_{229}	16.5	X	283.13041	318.01954	14.59447	7.91248	0.2914649	0.20596412	2.8397166	21	4 17.7	20.8
464773 2003 UL_{260}	18.4	X	268.75377	174.81110	236.09402	0.47353	0.1746321	0.26622288	2.3931640	21	7 29.3	21.4
464774 2003 UB_{275}	18.1	X	291.16641	21.51167	25.70467	5.51387	0.2265391	0.26878651	2.3779227	21	8 21.4	20.6
464775 2003 UU_{281}	18.0	X	270.78847	306.53622	99.95332	2.02633	0.2683812	0.26516131	2.3995471	21	7 11.7	21.3
464776 2003 UF_{286}	17.0	X	164.57276	182.62879	211.13980	9.89123	0.1182438	0.19303361	2.9651552	21	3 24.8	21.7
464777 2003 UN_{328}	17.9	X	85.78368	27.52706	252.19183	5.11878	0.1588609	0.28173708	2.3044823	21	11 19.9	21.3
464778 2003 US_{378}	17.0	X	129.08716	263.22468	183.11940	11.04890	0.0744078	0.19759619	2.9193332	21	4 19.2	21.2
464779 2003 WS_{15}	17.4	X	74.69030	354.60148	53.03139	3.12976	0.2329560	0.18011086	3.1053421	21	1 14.9	21.1
464780 2003 WK_{53}	16.5	X	64.86762	52.19457	50.55801	19.99867	0.3608664	0.18222112	3.0813207	21	4 8.8	20.3
464781 2003 WZ_{68}	16.1	X	87.18702	2.06526	66.06312	13.38906	0.2498661	0.18234560	3.0799183	21	3 9.1	20.4
464782 2003 WQ_{108}	16.3	X	99.34624	353.60236	38.18453	11.06192	0.1626980	0.18072901	3.0982572	21	1 22.6	20.7
464783 2003 WV_{133}	16.1	X	91.02869	3.20425	65.90526	15.01625	0.1383596	0.18286090	3.0741294	21	2 26.9	20.5
464784 2003 WM_{148}	15.8	X	100.11611	338.09381	86.56312	10.54167	0.1025551	0.18463207	3.0544379	21	2 24.5	20.1
464785 2003 WJ_{158}	16.6	X	205.40714	320.11628	35.24674	11.46739	0.1645720	0.19507170	2.9444659	21	3 23.3	21.5
464786 2003 WN_{176}	18.1	X	249.26096	335.33917	89.70411	2.16818	0.1753445	0.26272629	2.4143508	21	7 24.7	21.6
464787 2003 XY_{27}	16.4	X	150.05226	164.14717	254.64561	14.10796	0.0501094	0.19059720	2.9903707	21	3 30.9	21.0
464788 2003 XP_{34}	16.6	X	64.64853	35.07276	72.26576	10.77747	0.0938621	0.18295622	3.0730615	21	3 1.9	20.7
464789 2004 AQ_{13}	18.5	X	181.63308	14.72879	103.15756	4.63528	0.1405534	0.25432924	2.4672047	21	7 26.7	22.2
464790 2004 BB_{8}	18.0	X	152.46805	83.96763	41.16998	2.68933	0.1483174	0.25074359	2.4906698	21	7 7.2	21.8
464791 2004 BK_{8}	16.5	X	84.97715	343.98404	131.69486	10.92153	0.1598442	0.18191731	3.0847504	21	4 18.6	20.8
464792 2004 BH_{15}	15.9	X	0.99754	218.27413	302.81281	15.74925	0.1950747	0.17350222	3.1837041	21	1 20.7	19.4
464793 2004 BE_{26}	16.6	X	67.07577	1.73958	61.75547	14.40208	0.1146019	0.17396240	3.1780871	21	1 9.6	20.8
464794 2004 BE_{70}	15.8	X	3.10473	62.67834	119.26342	27.09836	0.2353936	0.17547775	3.1597643	21	2 19.1	19.3
464795 2004 BA_{138}	16.6	X	44.24205	39.26708	111.43586	8.69528	0.0518625	0.17974176	3.1095918	21	3 22.9	20.8
464796 2004 ER_{70}	16.7	X	322.53321	226.15072	352.70928	7.25597	0.2479371	0.16845439	3.2469916	21	1 28.1	21.0
464797 2004 FZ_{1}	18.3	X	39.23777	89.53990	152.60078	52.63215	0.5309454	0.41020550	1.7939144	21	10 16.0	21.9
464798 2004 JX_{20}	19.4	X	124.29306	349.12440	101.78753	10.53078	0.2657688	1.15137049	0.9015559	21	—	—
464799 2004 JZ_{32}	16.8	X	37.10276	107.83154	209.93349	10.98861	0.3432429	0.24337769	2.5406736	21	12 4.0	20.3
464800 2004 JU_{34}	18.0	X	35.82159	74.55477	201.85378	5.77924	0.3345236	0.23837367	2.5761068	21	10 5.8	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464801 2004 JN_{53}	17.8	X	121.06457	172.49437	19.54183	3.67074	0.1748501	0.24505513	2.5290661	21	9 3.5	21.6
464802 2004 ND_{6}	17.4	X	49.81306	16.64851	272.90135	4.79808	0.2837995	0.23920467	2.5701371	21	11 1.8	21.0
464803 2004 PY_{60}	17.1	X	357.58765	30.68908	296.24978	4.31725	0.2591127	0.23230624	2.6207694	21	9 11.8	19.1
464804 2004 PY_{91}	16.9	X	330.95353	6.28108	305.24059	12.42787	0.2080008	0.22705483	2.6610246	21	6 11.3	19.8
464805 2004 QS_{13}	16.7	X	212.89027	326.42866	36.53458	9.17901	0.1720025	0.21342687	2.7731284	21	4 4.2	21.3
464806 2004 RF_{72}	16.9	X	22.11053	226.46658	168.82057	11.50538	0.2997938	0.18239043	3.0794136	21	—	—
464807 2004 RY_{73}	17.0	X	303.15564	340.54654	322.67854	4.31160	0.1458140	0.21951544	2.7216107	21	4 22.2	20.6
464808 2004 RJ_{101}	18.0	X	110.26381	120.74242	189.31308	6.60461	0.2172964	0.30669286	2.1777111	21	—	—
464809 2004 RS_{103}	17.1	X	324.40220	12.70463	312.09146	6.25632	0.3101220	0.22633254	2.6666829	21	5 29.5	19.8
464810 2004 RF_{120}	16.8	X	257.94855	212.20255	162.92689	13.87207	0.1568256	0.22156942	2.7047648	21	6 2.6	21.1
464811 2004 RC_{175}	16.8	X	1.50375	39.24068	293.53343	8.79759	0.2397192	0.23364503	2.6107484	21	9 26.6	19.1
464812 2004 RK_{176}	17.0	X	5.72162	85.73624	200.33276	12.24244	0.2571545	0.22913734	2.6448770	21	7 24.2	19.3
464813 2004 RD_{213}	16.3	X	271.35364	58.62422	262.77648	14.05032	0.2246309	0.21585466	2.7522957	21	3 24.5	21.0
464814 2004 RH_{252}	18.0	X	267.56100	78.30936	203.45132	22.30106	0.0338580	0.38373529	1.8754906	21	1 20.2	20.7
464815 2004 RV_{257}	17.5	X	327.83025	191.89427	187.51222	9.40977	0.2696463	0.28871444	2.2672028	21	9 29.8	18.2
464816 2004 ST_{23}	16.9	X	24.62909	115.45068	192.86679	7.16463	0.2008571	0.23083821	2.6318689	21	10 8.1	19.6
464817 2004 SK_{29}	17.8	X	105.15367	342.55428	356.53092	7.21471	0.2324440	0.30831933	2.1700457	21	—	—
464818 2004 TV_{26}	17.2	X	9.96043	100.83073	193.08813	10.98710	0.2990181	0.22938667	2.6429601	21	8 25.9	19.2
464819 2004 TG_{53}	16.2	X	287.26101	329.44577	34.56878	15.16025	0.0637197	0.21868899	2.7284632	21	7 8.2	20.1
464820 2004 TX_{82}	17.2	X	16.31310	108.82029	199.25694	11.29323	0.0970099	0.22866157	2.6485444	21	9 5.5	20.4
464821 2004 TD_{107}	16.7	X	7.43992	276.44646	47.96450	10.56171	0.2232238	0.23142336	2.6274306	21	10 6.1	19.2
464822 2004 TF_{112}	17.2	X	243.71062	146.29652	194.97597	5.46102	0.0897049	0.21051508	2.7986413	21	4 10.3	21.3
464823 2004 TL_{194}	17.3	X	141.96994	129.58099	297.78435	2.47145	0.2410029	0.20436217	2.8545372	21	4 21.9	22.1
464824 2004 TY_{207}	16.6	X	191.66033	346.59373	34.38371	9.92011	0.1426651	0.20668394	2.8331195	21	4 7.4	21.1
464825 2004 TQ_{317}	18.4	X	81.76431	232.06363	211.25443	19.73326	0.1201378	0.37443273	1.9064270	21	—	—
464826 2004 TR_{368}	16.6	X	275.10946	305.82227	46.08058	12.58848	0.1931739	0.21606819	2.7504822	21	5 15.2	20.7
464827 2004 VV_{41}	17.2	X	158.97485	184.00801	220.52256	5.25988	0.0701103	0.20328767	2.8645870	21	3 27.9	21.3
464828 2004 VT_{54}	15.9	X	320.89424	276.60232	88.84208	26.06348	0.3169691	0.22691413	2.6621244	21	7 25.8	18.5
464829 2004 XY_{36}	17.6	X	85.98482	272.08610	78.14353	6.58631	0.1509289	0.29991202	2.2104132	21	—	—
464830 2004 XD_{42}	18.0	X	201.41822	307.49962	74.31930	24.66472	0.1197484	0.38323648	1.8771176	21	4 15.6	21.0
464831 2005 AR_{20}	18.2	X	265.25181	311.31563	118.96979	6.26927	0.2862783	0.27883562	2.3204411	21	8 5.3	21.1
464832 2005 BG_{26}	15.9	X	341.38507	207.06919	320.63118	14.39370	0.2423592	0.18000891	3.1065145	21	—	—
464833 2005 CV_{3}	16.9	X	18.65216	57.47812	108.77926	6.37097	0.1297691	0.18548856	3.0450280	21	3 3.2	20.5
464834 2005 CX_{10}	17.8	X	214.00679	151.32376	343.73951	6.93137	0.1796997	0.27472377	2.3435374	21	9 17.1	21.2
464835 2005 CS_{12}	16.4	X	90.16988	268.38930	144.36591	15.84279	0.3779061	0.18871408	3.0102311	21	3 6.2	20.6
464836 2005 CU_{14}	18.9	X	233.83807	59.44421	55.64519	0.89609	0.2158769	0.27655808	2.3331634	21	9 9.1	22.2
464837 2005 CT_{46}	16.1	X	23.19062	99.40770	329.64260	17.08002	0.1835044	0.17437681	3.1730498	21	—	—
464838 2005 CB_{51}	15.8	X	327.68806	17.54685	155.98816	18.01538	0.1602813	0.17730795	3.1379830	21	—	—
464839 2005 CX_{67}	16.1	X	351.98447	36.50598	147.12022	16.35956	0.1927592	0.18413312	3.0599532	21	1 30.1	19.7
464840 2005 EZ_{17}	16.5	X	88.42010	115.31288	356.22479	12.12516	0.0692224	0.18659729	3.0329540	21	3 28.6	20.6
464841 2005 EY_{66}	18.1	X	225.09315	130.54819	350.54562	7.74864	0.1270290	0.27273786	2.3548998	21	9 16.7	21.2
464842 2005 EF_{153}	18.3	X	54.78327	328.96317	181.02846	23.04397	0.0183010	0.36891867	1.9253763	21	2 23.1	20.4
464843 2005 ET_{167}	17.8	X	168.33590	183.91506	348.87637	5.73654	0.1612256	0.26949030	2.3737809	21	9 22.5	21.6
464844 2005 EB_{213}	18.6	X	168.93203	181.63510	9.69444	2.46426	0.1497207	0.27202290	2.3590243	21	10 17.6	22.2
464845 2005 EF_{227}	16.9	X	337.14115	172.43573	354.29362	7.57572	0.0999524	0.17573001	3.1567396	21	1 2.9	21.2
464846 2005 EX_{230}	17.7	X	212.96915	41.15583	122.55113	5.74866	0.2081322	0.27623331	2.3349918	21	10 24.2	21.2
464847 2005 EM_{252}	18.3	X	124.41664	58.64481	191.44097	7.32469	0.1978729	0.26993265	2.3711868	21	11 21.1	22.3
464848 2005 EE_{257}	18.2	X	170.94383	321.28483	233.95611	1.66417	0.1105353	0.27230767	2.3573793	21	10 26.1	21.5
464849 2005 ES_{285}	16.8	X	30.22500	285.94626	197.07222	12.43394	0.0929039	0.17628816	3.1500730	21	1 22.4	21.0
464850 2005 EL_{286}	18.1	X	93.33027	76.59258	22.34398	21.14330	0.0842240	0.36903840	1.9249599	21	3 3.7	20.1
464851 2005 EP_{330}	15.8	X	294.60886	220.76565	20.31329	14.38931	0.2331054	0.17384722	3.1794906	21	1 26.7	20.8
464852 2005 FZ_{12}	17.1	X	51.31038	83.66517	153.19794	11.80646	0.1623942	0.25559998	2.4590207	21	8 5.5	19.8
464853 2005 GM_{23}	16.4	X	322.49206	132.76937	42.22926	4.97117	0.1333182	0.17194769	3.2028639	21	—	—
464854 2005 GF_{29}	16.4	X	38.22410	310.30204	211.28239	13.96000	0.2407804	0.18412924	3.0599961	21	4 6.0	19.3
464855 2005 GJ_{40}	17.9	X	79.92905	89.14138	164.51058	1.61172	0.1511970	0.26239832	2.4163621	21	10 7.9	21.1
464856 2005 GC_{45}	18.4	X	213.81604	281.37840	217.19266	1.30323	0.1524922	0.27213551	2.3583734	21	9 24.4	21.6
464857 2005 GA_{47}	17.8	X	94.29475	222.94463	3.96807	1.85807	0.0706515	0.26363886	2.4087761	21	9 8.8	20.9
464858 2005 GS_{49}	18.0	X	110.05383	179.29331	44.59781	2.37393	0.1507834	0.26392665	2.4070247	21	10 2.4	21.6
464859 2005 GE_{68}	16.6	X	20.45852	75.09982	119.32268	15.92295	0.2498556	0.18489567	3.0515340	21	4 22.2	19.8
464860 2005 GY_{76}	15.6	X	294.03068	136.29584	118.32257	28.12685	0.1846078	0.17453232	3.1711648	21	2 13.6	20.4
464861 2005 GV_{98}	18.2	X	108.33147	49.85921	221.14849	4.18479	0.2027865	0.26786475	2.3833748	21	12 1.9	22.1
464862 2005 GP_{109}	17.8	X	78.54339	211.26038	84.73273	2.66207	0.1783692	0.26738071	2.3862503	21	12 3.3	21.1
464863 2005 GA_{110}	17.1	X	98.81563	237.50323	28.88276	23.42146	0.1844711	0.26628572	2.3927875	21	11 10.7	21.0
464864 2005 GF_{136}	17.6	X	80.29519	179.87125	108.99086	5.88980	0.2140122	0.26533085	2.3985248	21	11 30.1	21.3
464865 2005 GB_{176}	16.2	X	300.22058	180.44464	64.72483	17.75965	0.1509723	0.17517036	3.1634597	21	2 19.4	21.0
464866 2005 GV_{209}	15.9	X	321.73715	181.12419	67.08154	18.10539	0.1947277	0.18099045	3.0952729	21	3 18.3	20.3
464867 2005 GO_{223}	17.1	X	98.79150	192.27538	66.81569	12.00279	0.2067161	0.26657808	2.3910377	21	11 10.8	20.9
464868 2005 HM_{6}	16.4	X	14.67128	328.09602	218.54309	18.82449	0.2573551	0.18011918	3.1052465	21	3 13.2	19.6
464869 2005 JL_{22}	16.1	X	332.52364	115.87318	132.61602	25.10314	0.3290109	0.17925879	3.1151747	21	3 6.9	20.0
464870 2005 JX_{24}	18.0	X	122.53968	136.55201	66.57567	2.36801	0.1484380	0.26178625	2.4201270	21	9 18.4	21.6
464871 2005 JN_{28}	17.1	X	321.27563	163.46675	95.40616	12.19099	0.1571694	0.17899407	3.1182454	21	4 1.9	21.3
464872 2005 JB_{32}	17.9	X	119.50871	21.33571	236.32190	1.84200	0.2488805	0.26733091	2.3865467	21	11 26.4	21.9
464873 2005 JF_{61}	16.1	X	326.14841	95.78674	91.93724	10.90562	0.1055984	0.17011840	3.2257833	21	1 13.8	20.5
464874 2005 JZ_{83}	17.5	X	34.81430	74.75080	218.34713	5.50813	0.1306407	0.25837180	2.4414021	21	9 24.3	20.2
464875 2005 JD_{89}	16.2	X	274.41112	287.10190	47.83410	19.47828	0.3408896	0.18039174	3.1021177	21	4 15.9	21.5
464876 2005 JP_{99}	16.9	X	310.26105	131.87068	106.95317	9.44726	0.1712247	0.17481079	3.1677961	21	2 15.6	21.3
464877 2005 JY_{130}	16.2	X	336.74917	106.29663	102.81498	10.61417	0.0633012	0.17546094	3.1599660	21	3 2.4	20.5
464878 2005 JL_{141}	17.6	X	44.98746	198.38940	87.99632	3.24065	0.1910726	0.25771812	2.4455286	21	10 13.9	20.4
464879 2005 JF_{158}	16.1	X	341.48255	152.09501	17.72128	11.05046	0.0398168	0.17548819	3.1596389	21	1 21.8	20.6
464880 2005 JK_{175}	16.2	X	249.44190	166.93810	172.07479	17.09974	0.2418099	0.17628386	3.1501243	21	4 5.6	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464881 2005 JF_{177}	17.5	X	177.84255	324.76747	133.82554	25.51543	0.1063807	0.37419016	1.9072508	21	6 28.7	20.3
464882 2005 KB_{4}	17.9	X	198.00477	306.11438	204.92357	4.42223	0.1634941	0.26820370	2.3813663	21	9 22.5	21.7
464883 2005 KE_{13}	16.3	X	321.42091	345.52040	224.50254	22.08638	0.2285622	0.17378219	3.1802837	21	1 10.3	21.1
464884 2005 LY_{1}	17.6	X	83.13092	156.88303	153.93391	5.22319	0.2410319	0.26567052	2.3964800	21	12 30.2	21.6
464885 2005 LS_{3}	19.5	X	337.23085	123.55234	85.23848	34.89156	0.2678222	0.54202836	1.4897774	21	—	—
464886 2005 LO_{13}	15.9	X	156.69359	321.83246	96.51993	12.97950	0.0696807	0.17894122	3.1188593	21	4 21.4	20.8
464887 2005 LX_{16}	15.7	X	326.04851	317.25287	238.75892	15.89448	0.1383338	0.17140286	3.2096475	21	1 14.3	20.3
464888 2005 MU_{7}	17.6	X	77.57308	25.24613	252.51663	6.14098	0.2270422	0.26140360	2.4224882	21	11 12.9	21.2
464889 2005 MN_{19}	15.9	X	268.82923	100.07831	227.27298	25.07921	0.2210708	0.17720310	3.1392207	21	4 5.5	21.2
464890 2005 NZ_{124}	17.9	X	65.35590	167.79732	153.38767	6.18362	0.1588505	0.25998125	2.4313157	21	12 18.1	21.4
464891 2005 PA_{4}	15.9	X	312.11371	124.77970	132.92659	27.06464	0.3037327	0.17186932	3.2038375	21	2 21.8	20.5
464892 2005 PJ_{21}	16.3	X	249.59974	210.64640	187.08886	33.46149	0.2317020	0.23474613	2.6025780	21	6 11.7	21.2
464893 2005 QQ_{140}	15.5	X	275.84499	261.99671	45.01736	24.85515	0.3958075	0.17160616	3.2071120	21	3 19.9	21.3
464894 2005 QM_{142}	15.4	X	159.41505	279.78791	5.32544	15.60403	0.1099256	0.14182946	3.6415959	21	—	—
464895 2005 RX_{21}	17.1	X	195.26626	233.20600	162.55490	10.61668	0.1371865	0.22754332	2.6572147	21	4 28.5	21.4
464896 2005 RS_{40}	16.8	X	259.97031	101.55644	250.02819	14.69091	0.2470232	0.23303464	2.6153053	21	4 20.2	21.2
464897 2005 SM_{9}	17.3	X	222.72863	31.53757	350.26132	3.95845	0.2720976	0.22733027	2.6588747	21	4 27.3	22.0
464898 2005 SA_{20}	16.9	X	241.59135	337.15754	23.85567	18.73838	0.2353331	0.22801610	2.6535404	21	4 18.8	21.3
464899 2005 SV_{30}	17.3	X	260.78060	196.30668	178.37409	4.32387	0.2697429	0.23369539	2.6103733	21	5 21.7	21.5
464900 2005 SH_{37}	17.6	X	206.41438	354.12881	41.17357	1.20119	0.1484107	0.22701312	2.6613505	21	5 5.3	21.9
464901 2005 SC_{64}	17.8	X	277.79508	356.89323	15.62851	4.35128	0.1370254	0.23567399	2.5957425	21	6 23.5	21.3
464902 2005 SE_{80}	17.3	X	229.56193	257.62786	178.83803	9.16864	0.1047460	0.23738939	2.5832227	21	7 22.9	21.2
464903 2005 SW_{120}	17.0	X	103.38089	132.83818	6.94937	11.59472	0.1277763	0.22652189	2.6651967	21	5 27.9	20.9
464904 2005 SP_{153}	17.0	X	153.11738	332.98189	199.05605	11.59335	0.1133479	0.24196934	2.5505225	21	9 2.2	21.1
464905 2005 SR_{185}	18.4	X	11.63259	136.91256	178.53685	3.71520	0.1651364	0.24516012	2.5283440	21	9 20.9	20.8
464906 2005 SF_{189}	17.4	X	141.91967	259.97398	196.34346	7.92874	0.1681648	0.22254359	2.6968657	21	5 23.1	21.7
464907 2005 SR_{189}	17.7	X	337.60792	146.19817	192.01679	5.07414	0.2358008	0.24188861	2.5510899	21	8 5.1	19.6
464908 2005 SY_{190}	16.8	X	238.92565	348.87522	32.44686	7.25854	0.2863665	0.23015440	2.6370793	21	5 8.5	21.3
464909 2005 SP_{260}	16.6	X	178.73922	294.12245	203.82161	13.11775	0.0977348	0.23818861	2.5774410	21	8 14.6	20.7
464910 2005 TT	16.2	X	287.85670	351.72988	18.74826	30.18378	0.2875175	0.23577047	2.5950344	21	5 30.9	20.5
464911 2005 TZ_{12}	17.4	X	298.68230	146.75308	210.39927	11.03272	0.0955092	0.23571779	2.5954209	21	7 6.9	20.8
464912 2005 TQ_{20}	15.9	X	218.17364	130.70392	194.18443	9.62511	0.0895335	0.15672070	3.4071021	21	2 26.9	21.2
464913 2005 TD_{81}	17.1	X	243.05828	187.29798	213.14597	10.34406	0.1238451	0.23343535	2.6123115	21	6 19.7	21.1
464914 2005 TS_{83}	17.7	X	356.95858	337.65968	347.40768	5.64235	0.2281039	0.24394983	2.5366995	21	9 9.1	19.5
464915 2005 TF_{104}	16.8	X	224.99052	7.26995	4.94372	13.39074	0.1765007	0.22533602	2.6745392	21	4 19.3	21.2
464916 2005 TO_{133}	17.2	X	229.91776	246.66357	176.85114	10.63684	0.1325500	0.23510083	2.5999596	21	7 4.2	21.4
464917 2005 TW_{141}	17.7	X	222.46667	356.45435	45.63634	6.67051	0.1046627	0.22958743	2.6414191	21	5 31.5	21.7
464918 2005 TJ_{143}	17.2	X	1.03297	269.37886	44.88840	9.37386	0.0596985	0.23970159	2.5665837	21	8 26.8	20.4
464919 2005 TR_{154}	17.2	X	59.18218	12.09876	253.24038	5.05784	0.0847710	0.24317620	2.5420768	21	9 11.5	20.6
464920 2005 TF_{170}	17.1	X	153.22333	254.35938	218.71438	14.67315	0.1131127	0.22709963	2.6606746	21	6 19.1	21.3
464921 2005 UC_{40}	17.3	X	137.36014	236.72084	227.15215	8.76328	0.2176709	0.21866272	2.7286817	21	5 31.6	21.7
464922 2005 UF_{45}	17.0	X	93.13373	85.76476	59.33901	12.43427	0.1442983	0.22006261	2.7170974	21	5 27.1	20.5
464923 2005 UR_{52}	17.2	X	214.87208	243.44543	167.91863	5.18455	0.2124091	0.22801097	2.6535802	21	5 31.8	21.7
464924 2005 UZ_{94}	17.2	X	107.87303	141.35127	324.18342	3.94190	0.1218382	0.21661277	2.7458703	21	4 19.3	21.0
464925 2005 UY_{95}	17.9	X	241.78776	230.30152	159.52704	2.81251	0.1601726	0.22930116	2.6436171	21	6 1.8	22.0
464926 2005 UW_{122}	17.9	X	118.66495	69.77745	11.15286	0.80763	0.2034923	0.21412802	2.7670715	21	4 13.1	22.0
464927 2005 UZ_{161}	16.7	X	248.43557	356.54278	31.48457	33.33927	0.1399848	0.23257257	2.6187682	21	5 26.9	21.1
464928 2005 UL_{165}	17.8	X	257.57589	140.81748	225.89144	1.38361	0.1042791	0.22918097	2.6445413	21	5 25.9	21.7
464929 2005 UZ_{169}	17.2	X	135.99513	20.84127	36.22859	9.67580	0.1845066	0.21395263	2.7685835	21	4 1.9	21.5
464930 2005 UK_{170}	18.1	X	140.24450	103.60784	332.58460	1.30085	0.2364156	0.21661356	2.7458636	21	4 30.6	22.6
464931 2005 UM_{199}	17.4	X	293.27216	106.58630	213.30439	4.33566	0.1243493	0.22737225	2.6585474	21	5 6.1	20.7
464932 2005 UJ_{211}	17.8	X	127.80410	23.22725	59.22871	8.93286	0.1203913	0.21582857	2.7525175	21	4 17.8	21.8
464933 2005 UV_{213}	17.0	X	256.43315	303.14132	62.06111	10.67946	0.2049301	0.23054763	2.6340799	21	5 12.1	21.1
464934 2005 UR_{233}	16.8	X	134.57089	339.55680	212.64643	13.98398	0.0284173	0.23671347	2.5881378	21	9 1.2	20.7
464935 2005 UW_{234}	16.8	X	216.08653	325.23294	59.03608	14.34583	0.2099765	0.22408174	2.6845103	21	5 1.4	21.4
464936 2005 UG_{253}	17.1	X	253.82655	342.45411	33.89488	8.23252	0.1962725	0.23015394	2.6370829	21	5 22.3	21.2
464937 2005 UE_{287}	17.2	X	268.38593	154.87030	182.79514	6.07016	0.0467723	0.22605098	2.6688968	21	5 10.1	20.8
464938 2005 UV_{293}	17.6	X	280.19879	350.27877	14.06067	3.34225	0.1682222	0.23239888	2.6200728	21	6 10.3	21.1
464939 2005 UH_{325}	17.3	X	191.91596	241.19415	186.64069	6.42614	0.1695851	0.22810333	2.6528639	21	6 2.3	21.7
464940 2005 UO_{330}	17.0	X	58.56546	192.24125	68.32059	7.33428	0.0705040	0.23567601	2.5957277	21	9 8.3	20.4
464941 2005 UT_{397}	17.1	X	207.55564	346.17867	53.56207	9.63600	0.3957501	0.22431839	2.6826219	21	5 7.7	22.2
464942 2005 UG_{401}	17.4	X	110.68060	291.36030	206.98727	7.07297	0.2400431	0.21873551	2.7280764	21	6 20.5	21.7
464943 2005 UZ_{483}	17.2	X	251.15546	187.06899	184.05329	11.85875	0.1842186	0.23034081	2.6356564	21	5 17.5	21.4
464944 2005 UY_{509}	16.9	X	269.30974	13.74776	10.50248	13.94040	0.2599385	0.23355768	2.6113992	21	6 9.3	21.1
464945 2005 US_{513}	17.4	X	245.54437	298.29346	90.30452	2.98703	0.1967816	0.23208764	2.6224148	21	5 31.2	21.5
464946 2005 VN_{16}	17.3	X	282.58721	301.10799	74.80259	5.40567	0.2662541	0.23574746	2.5952032	21	6 14.6	21.0
464947 2005 VS_{27}	17.3	X	248.97304	318.01927	22.93364	5.57095	0.0769155	0.22318361	2.6917074	21	4 15.4	21.3
464948 2005 VE_{37}	16.9	X	239.59344	353.83791	33.42741	13.65302	0.0900014	0.22856218	2.6493122	21	5 30.7	20.9
464949 2005 VT_{49}	17.0	X	223.41053	357.58111	42.79542	14.43604	0.1678324	0.22565733	2.6719998	21	5 24.9	21.4
464950 2005 VE_{72}	17.0	X	257.39354	119.46841	227.15204	10.25582	0.1984261	0.22506027	2.6767234	21	4 18.5	21.2
464951 2005 VU_{73}	17.4	X	119.66914	52.56355	70.54293	14.03195	0.2142801	0.21739957	2.7392412	21	6 7.1	21.6
464952 2005 VZ_{81}	16.8	X	226.11994	196.82692	200.64651	13.23493	0.1678802	0.22767589	2.6561832	21	5 27.0	21.2
464953 2005 VT_{128}	17.4	X	211.27915	298.90286	115.76431	3.29781	0.2079149	0.22924491	2.6440495	21	6 1.6	21.9
464954 2005 WG_{9}	17.6	X	81.42396	59.39426	59.67831	9.18533	0.2454786	0.21052813	2.7985257	21	4 25.9	21.2
464955 2005 WK_{11}	17.9	X	118.62353	239.22027	231.22244	2.44888	0.1517761	0.21728914	2.7401691	21	5 14.2	21.9
464956 2005 WD_{15}	17.0	X	225.05668	319.98212	59.26806	3.42823	0.1328433	0.22265751	2.6959458	21	5 4.6	21.2
464957 2005 WX_{15}	15.6	X	328.97656	29.54565	65.63192	8.75311	0.1433761	0.12448372	3.9724734	21	12 12.1	20.3
464958 2005 WW_{36}	16.7	X	173.44158	313.19401	76.73146	7.64643	0.2984454	0.21636959	2.7479273	21	4 8.2	21.7
464959 2005 WC_{73}	16.5	X	174.29904	29.94072	70.95471	14.70949	0.2148608	0.22320712	2.6915184	21	6 27.2	21.1
464960 2005 WL_{86}	17.2	X	192.75190	21.22110	72.30765	7.04877	0.0169440	0.22809754	2.6529087	21	7 9.4	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464961 2005 WQ_{111}	16.7	X	188.33959	335.66266	75.16799	11.15793	0.2268349	0.22124902	2.7073754	21	5 10.9	21.4
464962 2005 WC_{119}	16.3	X	218.38978	165.27457	247.01594	13.57837	0.0817990	0.22607229	2.6687291	21	6 11.5	20.2
464963 2005 WS_{124}	17.6	X	82.54421	268.79418	266.22028	3.70473	0.0532241	0.22067099	2.7121011	21	6 8.6	21.1
464964 2005 WJ_{133}	17.7	X	209.32582	356.22429	65.16755	4.07154	0.0473820	0.22460000	2.6803791	21	6 15.2	21.3
464965 2005 WT_{155}	17.4	X	147.89791	233.68369	192.54589	8.51375	0.2647506	0.21598357	2.7512005	21	4 28.6	22.0
464966 2005 WQ_{165}	17.6	X	275.96648	286.59807	71.89553	4.93437	0.1677245	0.22969304	2.6406094	21	5 28.7	21.1
464967 2005 WU_{188}	16.8	X	154.04625	328.14638	86.48718	9.46713	0.2690090	0.21577113	2.7530060	21	4 22.5	21.7
464968 2005 XN_{47}	17.0	X	189.37871	129.76349	296.89270	6.21955	0.2098666	0.22136264	2.7064489	21	5 28.1	21.6
464969 2005 XE_{55}	16.5	X	223.53371	97.82889	281.25531	11.38436	0.2425193	0.22296092	2.6934994	21	4 23.3	21.4
464970 2005 XW_{55}	17.2	X	124.00059	49.82236	69.68900	9.72487	0.1627720	0.21762613	2.7373397	21	6 1.9	21.3
464971 2005 XF_{89}	16.9	X	151.65421	28.97646	82.63555	8.99681	0.2265273	0.21935452	2.7229416	21	6 22.7	21.5
464972 2005 XT_{99}	17.8	X	164.15310	32.12708	57.60163	3.20191	0.0355341	0.22733446	2.6588420	21	5 28.2	21.3
464973 2005 YW_{15}	17.1	X	136.47640	344.56123	114.96039	9.37073	0.2123815	0.21346514	2.7727970	21	5 26.9	21.7
464974 2005 YB_{29}	16.4	X	253.13228	267.60626	76.61683	6.94504	0.0377847	0.21474290	2.7617869	21	5 1.9	20.3
464975 2005 YH_{48}	17.0	X	180.36833	107.77493	295.43260	3.25120	0.0763831	0.21129606	2.7917409	21	4 18.2	21.1
464976 2005 YO_{100}	17.2	X	186.97768	310.70307	66.38397	7.91165	0.1300475	0.21223828	2.7834723	21	3 30.5	21.7
464977 2005 YQ_{195}	17.1	X	307.62045	81.48618	244.12550	4.92713	0.0342449	0.22010134	2.7167787	21	6 17.2	20.5
464978 2005 YN_{203}	17.5	X	184.49377	311.67597	105.95216	0.68600	0.0619192	0.21535240	2.7565734	21	5 12.3	21.5
464979 2005 YJ_{206}	17.4	X	103.08738	29.64844	120.67306	17.03208	0.2175087	0.21391384	2.7689182	21	6 26.7	21.6
464980 2005 YW_{265}	17.1	X	226.49278	319.40804	74.82628	6.81213	0.1044444	0.22325114	2.6911646	21	5 27.0	21.0
464981 2006 AQ_{11}	16.7	X	124.84321	13.44370	123.56250	10.34337	0.0965777	0.21666853	2.7453991	21	6 19.2	20.7
464982 2006 AB_{14}	16.7	X	178.80716	342.71938	118.26519	13.18870	0.1245994	0.22104823	2.7090147	21	7 1.5	21.0
464983 2006 AF_{91}	17.5	X	189.84127	116.85777	293.56089	5.09185	0.0311816	0.21510747	2.7586655	21	5 7.1	21.4
464984 2006 AA_{97}	18.5	X	297.38461	307.62679	147.37286	5.48554	0.2787953	0.30536176	2.1840351	21	11 23.8	19.3
464985 2006 BX_{24}	16.5	X	192.00059	103.96946	294.98816	8.13235	0.1885210	0.21446371	2.7641833	21	4 24.0	21.3
464986 2006 BP_{26}	16.9	X	314.98267	157.47872	136.38008	5.34773	0.0341620	0.21452506	2.7636563	21	5 17.4	20.5
464987 2006 BM_{73}	16.7	X	117.67455	29.63275	101.25305	5.29840	0.0510255	0.21176441	2.7876232	21	5 27.9	20.5
464988 2006 BB_{77}	17.6	X	113.03052	335.98611	137.23491	8.77002	0.1772403	0.21017106	2.8016945	21	5 17.8	21.9
464989 2006 BK_{102}	17.1	X	177.77289	228.64425	181.55238	1.84729	0.2125222	0.21162653	2.7888338	21	4 30.2	21.8
464990 2006 BU_{113}	17.3	X	116.98589	154.23180	325.58140	4.55855	0.0347173	0.20997267	2.8034590	21	5 7.6	21.2
464991 2006 BQ_{118}	18.2	X	208.61383	257.10781	310.60668	5.24285	0.1190960	0.30168786	2.2017305	21	12 28.6	20.9
464992 2006 BN_{136}	17.2	X	220.12517	283.62100	109.05561	4.48785	0.1022089	0.21478416	2.7614332	21	5 19.5	21.3
464993 2006 BK_{145}	16.5	X	110.05909	214.45455	284.01948	7.03060	0.1307431	0.21204356	2.7851761	21	6 7.1	20.5
464994 2006 BD_{256}	16.4	X	241.56627	289.83759	22.14002	2.07693	0.0654448	0.19898782	2.9057063	21	3 6.5	20.8
464995 2006 DE_{28}	18.5	X	224.48919	189.16196	355.66099	5.74629	0.0911504	0.29937736	2.2130442	21	12 21.6	21.3
464996 2006 DC_{33}	15.9	X	167.61329	31.43132	354.14322	8.63586	0.1064694	0.19688486	2.9263605	21	3 18.3	20.2
464997 2006 DA_{79}	19.0	X	261.34477	162.22642	329.79341	4.18034	0.0863347	0.29862836	2.2167430	21	12 1.0	21.5
464998 2006 DS_{91}	17.8	X	231.44474	46.60686	25.50184	4.05929	0.2177655	0.28396211	2.2924284	21	7 11.3	21.4
464999 2006 DB_{95}	18.9	X	313.86261	255.96437	357.46613	19.72024	0.0893805	0.38897537	1.8586088	21	2 18.7	20.9
465000 2006 DX_{98}	18.4	X	204.32907	263.99874	329.41017	1.95925	0.1518604	0.30407160	2.1902086	21	—	—
465001 2006 DV_{104}	18.2	X	172.73554	289.94833	328.12445	3.24208	0.1112721	0.30110612	2.2045654	21	—	—
465002 2006 DL_{125}	17.3	X	340.01732	14.37663	211.52166	0.20735	0.1174680	0.19900268	2.9055616	21	3 13.9	20.9
465003 2006 DO_{131}	18.4	X	251.13415	69.18991	81.73627	4.20468	0.0984546	0.29994089	2.2102714	21	12 11.7	20.8
465004 2006 EE_{49}	18.3	X	197.95189	247.80525	5.00191	7.46068	0.0951224	0.30607048	2.1806623	21	—	—
465005 2006 FG_{31}	16.7	X	132.40658	241.17742	182.93748	11.08453	0.0894678	0.19747702	2.9205076	21	3 26.7	21.0
465006 2006 FT_{41}	16.8	X	317.80315	71.88002	176.91356	4.92722	0.0730503	0.19276778	2.9678806	21	3 18.7	20.6
465007 2006 FZ_{41}	18.1	X	130.32350	256.91961	48.54567	4.07047	0.2102380	0.29523291	2.2337070	21	—	—
465008 2006 GV_{14}	18.4	X	146.97514	108.71626	178.36564	6.19480	0.1823493	0.29669608	2.2263572	21	—	—
465009 2006 GN_{33}	17.9	X	149.77990	80.89032	178.65147	4.87652	0.1638345	0.29345562	2.2427168	21	12 26.7	21.4
465010 2006 GH_{37}	17.7	X	110.07149	256.60225	50.07308	7.27410	0.1920329	0.29091060	2.2557780	21	—	—
465011 2006 HQ_{14}	17.9	X	146.93216	251.75783	34.59349	5.73284	0.1854140	0.29582262	2.2307375	21	—	—
465012 2006 HA_{41}	16.8	X	339.15523	108.78362	120.98233	11.99390	0.0349355	0.19084008	2.9878331	21	4 2.6	21.0
465013 2006 HG_{64}	16.3	X	23.53394	85.44174	59.48664	10.65518	0.0099220	0.18477566	3.0528552	21	2 15.1	20.7
465014 2006 HJ_{77}	16.7	X	289.03742	133.07143	122.30884	11.25082	0.1474019	0.18472924	3.0533666	21	2 11.5	21.2
465015 2006 HH_{115}	18.3	X	177.62512	207.06673	43.95618	6.50792	0.1428682	0.29628516	2.2284152	21	—	—
465016 2006 HK_{154}	16.7	X	292.38729	122.02099	132.37267	4.10128	0.0432086	0.18598616	3.0395944	21	2 27.5	20.8
465017 2006 JY_{9}	16.4	X	88.49663	215.29536	236.34496	10.22881	0.0787499	0.18699671	3.0286336	21	3 2.2	20.7
465018 2006 JJ_{13}	16.1	X	187.77777	251.23923	79.72439	10.82659	0.2153147	0.17715677	3.1397679	21	2 10.7	21.6
465019 2006 JP_{21}	16.2	X	188.54975	249.13304	93.22287	10.87048	0.0869162	0.18243516	3.0789102	21	2 20.5	21.0
465020 2006 JX_{32}	16.0	X	144.92944	223.73673	146.32647	11.27859	0.1224727	0.17885190	3.1198976	21	2 8.8	20.7
465021 2006 JS_{36}	18.2	X	268.69201	51.00275	203.49543	19.23459	0.0448423	0.37671780	1.8987099	21	—	—
465022 2006 JY_{38}	18.3	X	125.08134	246.52517	44.68825	6.65466	0.2150662	0.29134649	2.2535275	21	—	—
465023 2006 JK_{41}	15.8	X	1.90320	10.05160	184.51226	15.24621	0.0387324	0.18831189	3.0145157	21	3 13.3	19.9
465024 2006 KE_{32}	18.5	X	154.94436	357.12667	242.76639	2.39366	0.1214936	0.28958834	2.2626394	21	12 8.1	21.8
465025 2006 KK_{35}	16.1	X	64.88480	24.99525	58.26764	10.17600	0.0253030	0.17944592	3.1130086	21	1 22.3	20.5
465026 2006 KH_{45}	18.3	X	170.91019	142.77005	67.18335	5.61934	0.1121842	0.28821197	2.2698372	21	11 16.9	21.5
465027 2006 KJ_{51}	17.0	X	294.69929	183.05250	87.56341	5.28195	0.2323394	0.18642979	3.0347704	21	2 26.0	21.5
465028 2006 KW_{51}	15.8	X	111.48831	301.04124	82.45415	10.46912	0.1045200	0.17555238	3.1588687	21	1 18.5	20.3
465029 2006 KJ_{59}	18.0	X	194.74945	110.42637	106.32603	7.22866	0.1343256	0.29287124	2.2456991	21	12 20.1	21.1
465030 2006 KH_{62}	16.7	X	217.68487	131.70172	192.50325	7.22837	0.1890820	0.18090260	3.0962749	21	2 20.7	22.0
465031 2006 KL_{70}	16.9	X	341.10366	330.75299	220.34767	15.38672	0.1838798	0.18549995	3.0449034	21	1 19.3	21.0
465032 2006 KT_{87}	18.5	X	129.44315	9.88524	249.81527	2.33143	0.1599556	0.28732063	2.2745292	21	12 7.6	22.0
465033 2006 MC_{12}	17.7	X	58.81365	202.66308	127.48592	12.48036	0.2785814	0.27756113	2.3275389	21	—	—
465034 2006 PK_{3}	16.3	X	256.74984	211.39784	122.87627	12.56777	0.2917856	0.18257323	3.0773577	21	4 4.9	21.7
465035 2006 PO_{25}	16.4	X	220.58408	199.18679	137.09648	6.20183	0.3249857	0.17549374	3.1595722	21	3 8.9	22.1
465036 2006 QK_{13}	15.9	X	326.26636	77.20946	153.88240	26.29117	0.2122675	0.17946634	3.1127724	21	2 17.9	19.8
465037 2006 QH_{23}	17.7	X	274.95097	299.59552	97.79377	3.73095	0.2578032	0.25642497	2.4537436	21	7 5.6	20.8
465038 2006 QP_{26}	17.5	X	150.80979	114.91586	163.35250	21.40392	0.2488500	0.28637618	2.2795273	21	—	—
465039 2006 QT_{61}	17.6	X	14.48538	66.25052	289.58373	5.55136	0.2556575	0.27003142	2.3706086	21	12 15.1	20.0
465040 2006 QN_{62}	18.3	X	105.96739	183.37804	130.16260	4.42221	0.3246238	0.28261434	2.2997109	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465041 2006 QA_{64}	17.6	X	307.43829	217.26700	167.91567	11.80866	0.2665374	0.25999037	2.4312589	21	8 4.8	19.9
465042 2006 QG_{74}	18.2	X	61.48676	297.12364	26.44019	1.57244	0.1991962	0.27512284	2.3412706	21	12 23.9	21.4
465043 2006 QE_{81}	17.9	X	22.19246	169.46917	176.64845	4.69087	0.1692289	0.27047206	2.3680332	21	11 30.0	20.6
465044 2006 QA_{106}	16.2	X	204.77949	161.85994	162.33927	18.29272	0.2201368	0.16977617	3.2301168	21	2 12.3	21.9
465045 2006 QO_{114}	17.9	X	16.52104	114.31337	219.15603	4.41541	0.1322081	0.26850450	2.3795875	21	10 26.0	20.2
465046 2006 QW_{148}	17.9	X	26.21839	246.62392	89.16841	2.47484	0.1819183	0.26852682	2.3794556	21	11 22.9	20.3
465047 2006 RW_{33}	18.0	X	319.59530	231.54496	140.62537	2.14887	0.2269945	0.26101892	2.4248677	21	8 21.3	19.8
465048 2006 RY_{41}	17.6	X	303.12055	191.61935	195.11209	0.67706	0.1900077	0.25836405	2.4414509	21	8 14.5	19.7
465049 2006 RG_{61}	17.8	X	196.79935	215.75054	170.76620	23.41022	0.0802217	0.37636031	1.8999121	21	4 2.3	20.0
465050 2006 RM_{74}	17.8	X	124.75153	101.96666	176.05146	6.45354	0.2358001	0.27872762	2.3210405	21	12 25.4	21.8
465051 2006 RW_{80}	18.2	X	126.43436	105.45720	166.58199	2.01163	0.1717875	0.27707177	2.3302787	21	12 18.8	21.9
465052 2006 RE_{81}	17.7	X	314.53880	1.60766	5.73836	6.60982	0.1164199	0.25883096	2.4385139	21	8 20.4	20.2
465053 2006 RC_{84}	16.3	X	277.54861	88.79515	189.57474	15.69328	0.2132712	0.17238094	3.1974951	21	2 16.9	21.4
465054 2006 SY_{3}	16.0	X	245.34581	141.55965	194.45935	27.74223	0.1987809	0.17509580	3.1643576	21	3 30.4	21.1
465055 2006 SE_{11}	18.1	X	37.67512	142.57678	182.40449	2.94457	0.2232171	0.26969960	2.3725526	21	12 1.3	21.1
465056 2006 SD_{12}	16.0	X	244.29032	124.76168	199.56721	26.32948	0.2923946	0.17416010	3.1756815	21	3 7.7	21.8
465057 2006 SU_{31}	16.3	X	288.43769	99.63057	190.91315	18.05146	0.1502295	0.17572502	3.1567994	21	3 24.0	20.9
465058 2006 SZ_{35}	17.7	X	64.11934	286.86438	45.02282	6.35366	0.2688985	0.27569130	2.3380512	21	—	—
465059 2006 SF_{41}	18.0	X	14.86657	203.56530	144.24369	2.32584	0.2153226	0.26755001	2.3852436	21	11 27.3	20.3
465060 2006 SK_{41}	18.0	X	11.42173	169.73135	154.10287	2.74599	0.2178381	0.26384024	2.4075503	21	10 15.9	19.9
465061 2006 SB_{61}	17.4	X	37.60231	187.07254	151.83816	6.12223	0.2715147	0.27013207	2.3700197	21	12 25.8	20.6
465062 2006 SJ_{76}	17.9	X	45.36349	270.16845	32.95632	8.00743	0.0996571	0.26339105	2.4102867	21	10 22.4	20.9
465063 2006 SM_{89}	17.7	X	78.01722	319.45067	3.82164	4.08627	0.2310758	0.27502306	2.3418369	21	—	—
465064 2006 SY_{95}	18.0	X	292.07655	340.14355	49.07695	2.20310	0.1853869	0.25538637	2.4603916	21	7 31.4	20.8
465065 2006 SF_{107}	16.5	X	262.19854	320.96705	3.82888	4.14830	0.2810220	0.17818252	3.1277065	21	3 25.2	21.8
465066 2006 SC_{112}	17.2	X	9.29415	291.61050	65.69099	10.42802	0.2744538	0.26779966	2.3837610	21	12 10.7	19.5
465067 2006 SU_{121}	17.8	X	312.86866	200.84067	185.10878	9.86473	0.2381199	0.26153544	2.4216741	21	8 23.5	20.0
465068 2006 SR_{202}	16.2	X	284.61288	95.70535	188.11381	12.76068	0.0727289	0.17224705	3.1991519	21	3 22.5	20.8
465069 2006 SE_{213}	16.8	X	320.94441	218.08168	152.58129	15.73390	0.2056922	0.25712132	2.4493113	21	8 24.4	18.5
465070 2006 SV_{229}	18.1	X	266.93911	181.24260	219.52116	5.47925	0.1267746	0.25424114	2.4677746	21	7 18.3	21.4
465071 2006 SJ_{246}	16.4	X	236.75694	162.73273	177.33280	9.58547	0.0804451	0.17420390	3.1751492	21	4 6.5	21.1
465072 2006 SR_{301}	15.1	X	249.29351	273.81932	63.88436	25.94430	0.2802627	0.17510646	3.1642292	21	4 12.6	20.8
465073 2006 ST_{346}	18.1	X	63.68804	78.88852	232.83355	3.97213	0.2348472	0.27094136	2.3652979	21	12 14.5	21.5
465074 2006 SP_{356}	17.6	X	29.86628	270.21807	55.05087	4.25160	0.2607480	0.26612988	2.3937215	21	11 25.7	20.3
465075 2006 SA_{357}	17.4	X	302.83017	277.90731	99.52359	3.39518	0.2054471	0.25549574	2.4596894	21	7 28.4	19.8
465076 2006 SG_{365}	17.9	X	355.22421	18.94358	329.23027	3.87850	0.2525580	0.26319357	2.4114923	21	10 19.2	19.5
465077 2006 SU_{367}	15.6	X	276.87223	270.59108	32.66649	25.07137	0.3486504	0.18007316	3.1057755	21	3 18.4	21.1
465078 2006 SX_{410}	17.7	X	134.61511	300.24906	247.50643	1.51247	0.1124296	0.25617614	2.4553322	21	9 6.2	21.2
465079 2006 TX_{52}	17.1	X	46.83699	255.85109	51.22055	11.24767	0.2035328	0.26285583	2.4135575	21	11 14.4	20.0
465080 2006 TT_{79}	17.8	X	274.92332	118.29175	294.10104	4.79547	0.0466505	0.25499412	2.4629141	21	8 27.9	20.8
465081 2006 TY_{103}	17.7	X	211.32996	198.73585	211.18050	13.64736	0.0972606	0.24245574	2.5471102	21	5 30.8	21.6
465082 2006 TE_{105}	17.5	X	193.89156	33.92130	45.14354	8.52707	0.2107468	0.24239856	2.5475107	21	6 15.9	21.8
465083 2006 TH_{127}	17.4	X	357.37722	355.50059	313.32648	4.07685	0.1922278	0.25516340	2.4618247	21	8 12.1	19.3
465084 2006 TW_{127}	17.9	X	293.56341	261.38086	118.87313	2.14129	0.1553507	0.25220077	2.4810667	21	7 24.9	20.9
465085 2006 UD_{10}	18.1	X	156.14184	242.60047	190.91599	3.20629	0.2367534	0.23388289	2.6089780	21	5 11.1	22.5
465086 2006 UH_{17}	17.6	X	194.93739	10.00206	34.58156	6.64788	0.2021583	0.23916334	2.5704331	21	5 4.9	22.0
465087 2006 UU_{39}	18.1	X	60.49416	55.83776	248.80700	1.44273	0.1919950	0.26635630	2.3923648	21	11 26.5	21.3
465088 2006 UC_{57}	17.9	X	78.82956	93.15639	211.03648	8.20332	0.1964063	0.27471635	2.3435796	21	12 16.4	21.5
465089 2006 UF_{59}	16.4	X	227.73361	82.25042	222.70456	16.54376	0.1708315	0.16282463	3.3214112	21	2 5.9	22.1
465090 2006 UZ_{71}	17.9	X	19.90191	45.99229	308.40392	5.46191	0.1467217	0.26963313	2.3729425	21	12 2.4	20.5
465091 2006 UV_{81}	18.0	X	318.81382	286.30687	81.11389	2.64490	0.1823986	0.25587701	2.4572454	21	8 18.8	20.1
465092 2006 UG_{89}	17.6	X	32.09598	316.17051	24.92928	3.94576	0.2138590	0.26675056	2.3900069	21	12 12.5	20.4
465093 2006 UQ_{103}	17.9	X	43.78101	169.98690	144.22064	1.89510	0.1927533	0.26422542	2.4052099	21	11 19.3	20.9
465094 2006 UM_{118}	18.0	X	181.74048	250.19747	193.55210	2.38055	0.2741955	0.24080898	2.5587092	21	6 12.8	22.6
465095 2006 UB_{140}	17.1	X	36.82789	19.25798	258.91907	7.18979	0.0901039	0.25250036	2.4791038	21	8 27.6	20.1
465096 2006 UT_{186}	17.5	X	60.84203	67.97300	259.46296	9.13346	0.1965757	0.27313793	2.3525997	21	12 27.1	20.8
465097 2006 UE_{191}	16.8	X	137.65660	30.99313	5.18714	13.27186	0.2479954	0.22724812	2.6595155	21	3 13.5	21.0
465098 2006 UQ_{217}	16.5	X	326.76843	240.28448	84.59821	22.22770	0.5903761	0.19077107	2.9885536	21	4 26.5	20.6
465099 2006 UY_{236}	17.9	X	269.60349	7.89099	41.39935	12.33986	0.1064099	0.25387668	2.4701359	21	8 14.1	21.3
465100 2006 UQ_{245}	18.2	X	347.81440	118.53164	32.34180	21.26176	0.0753172	0.35374211	1.9800593	21	—	—
465101 2006 UE_{252}	17.8	X	18.40520	296.80778	5.53750	0.34545	0.1812107	0.25797758	2.4438886	21	9 18.6	20.0
465102 2006 UO_{273}	18.0	X	59.25580	356.04940	325.54364	2.74868	0.1984452	0.26697960	2.3886398	21	12 17.5	21.4
465103 2006 UJ_{276}	17.8	X	19.43311	118.32557	229.11338	1.43792	0.0708956	0.26577841	2.3958314	21	11 10.3	20.6
465104 2006 UM_{288}	17.2	X	232.89264	88.99682	320.24067	2.94181	0.2162073	0.24106757	2.5568791	21	6 12.3	21.4
465105 2006 UD_{290}	18.3	X	177.59292	149.52624	298.54435	2.98522	0.2007799	0.24074309	2.5591761	21	6 14.1	22.7
465106 2006 VF_{17}	18.0	X	21.58374	320.59206	14.92930	1.42752	0.1957573	0.26299587	2.4127006	21	11 15.6	20.4
465107 2006 VQ_{18}	17.3	X	75.93843	61.38290	245.43392	6.89120	0.2206276	0.26907679	2.3762122	21	12 18.2	21.0
465108 2006 VR_{26}	17.8	X	180.31833	212.57091	236.92704	4.15871	0.2435938	0.23916501	2.5704211	21	6 18.5	22.2
465109 2006 VA_{31}	17.0	X	254.14712	128.75026	245.93595	13.92975	0.1343855	0.24315787	2.5422046	21	5 28.1	20.5
465110 2006 VB_{34}	17.5	X	123.89518	131.05645	232.14536	19.09689	0.1020013	0.35212396	1.9861208	21	—	—
465111 2006 VF_{61}	17.8	X	209.91681	23.90841	53.59393	3.44279	0.1726044	0.24357992	2.5392672	21	6 30.3	21.8
465112 2006 VE_{65}	18.1	X	222.06897	1.84223	66.48452	3.41514	0.1803362	0.24437477	2.5337580	21	6 29.5	22.1
465113 2006 VS_{70}	17.6	X	200.03276	331.13468	68.32686	4.86593	0.1951748	0.23663369	2.5887195	21	5 4.5	22.0
465114 2006 VA_{108}	17.6	X	359.86339	5.18457	339.20654	1.65655	0.1788838	0.25884672	2.4384149	21	10 14.8	19.5
465115 2006 WA_{83}	17.5	X	276.77732	328.26941	67.26907	6.44830	0.2283736	0.25200509	2.4823509	21	7 10.3	20.8
465116 2006 WB_{100}	17.4	X	332.18157	261.64680	129.06368	4.28681	0.1591277	0.26182726	2.4198743	21	10 29.4	19.4
465117 2006 WU_{104}	18.3	X	164.23799	2.14594	100.80542	2.22241	0.1811791	0.23765454	2.5813009	21	6 20.9	22.5
465118 2006 WU_{107}	17.4	X	215.00853	130.82617	293.29216	2.26513	0.2800048	0.24245214	2.5471354	21	6 12.7	22.0
465119 2006 WV_{110}	17.6	X	32.37674	76.43007	242.31197	6.78555	0.2169515	0.25927417	2.4357341	21	11 11.6	20.5
465120 2006 WW_{117}	17.1	X	150.59879	341.23014	109.31635	13.95566	0.2510835	0.22924941	2.6440149	21	5 30.7	21.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465121 2006 WP_{134}	15.9	X	120.46928	357.97598	26.85512	14.01354	0.1184712	0.15408908	3.4457847	21	2 9.9	21.1
465122 2006 WL_{157}	17.8	X	161.71087	81.18627	8.61371	5.84312	0.3372403	0.23602749	2.5931501	21	6 6.6	22.6
465123 2006 WL_{170}	18.4	X	177.48086	228.19486	215.56854	1.58357	0.1772656	0.23767767	2.5811335	21	6 8.4	22.5
465124 2006 WW_{175}	17.4	X	225.63836	170.58589	209.94263	3.85948	0.2908284	0.23890478	2.5722874	21	4 28.1	21.9
465125 2006 WY_{190}	17.6	X	212.85372	25.69029	48.01548	1.23401	0.1480054	0.24149164	2.5538848	21	6 29.5	21.5
465126 2006 WF_{204}	17.4	X	215.65866	280.75343	137.56994	7.71441	0.1788616	0.23580248	2.5947995	21	6 11.6	21.7
465127 2006 XB_{56}	17.1	X	265.37281	287.39458	104.93132	7.87482	0.1579222	0.24088514	2.5581698	21	7 1.3	20.6
465128 2006 XY_{61}	17.4	X	197.12566	347.59989	94.47211	10.07723	0.1324805	0.23822929	2.5771475	21	6 25.2	21.1
465129 2006 XG_{66}	17.6	X	176.26799	349.80733	68.59667	6.85680	0.3251565	0.23363722	2.6108066	21	5 10.9	22.4
465130 2006 XG_{67}	16.8	X	260.78430	124.55170	261.53182	3.83641	0.2713243	0.24232907	2.5479977	21	6 3.7	20.9
465131 2006 YO_{9}	16.9	X	199.93892	144.18672	277.84164	8.68037	0.1872789	0.23806753	2.5783148	21	5 31.4	21.2
465132 2006 YG_{15}	17.2	X	222.06952	100.79931	298.45178	2.98200	0.2134926	0.24058178	2.5603199	21	5 20.8	21.5
465133 2006 YH_{17}	17.2	X	141.44695	204.44045	252.95210	4.26759	0.2726442	0.22930493	2.6435881	21	5 30.2	21.7
465134 2006 YQ_{17}	16.5	X	189.31467	144.76199	304.33897	11.65035	0.2006437	0.23409622	2.6073927	21	6 26.5	20.9
465135 2006 YV_{26}	17.5	X	171.71444	351.14442	87.52879	5.93711	0.1191691	0.23263266	2.6183172	21	5 26.7	21.4
465136 2006 YF_{48}	17.2	X	209.74756	295.43278	107.24968	14.39177	0.1403491	0.23276333	2.6173372	21	5 21.9	21.5
465137 2007 AK_{23}	16.7	X	112.02475	295.94669	127.84344	14.17447	0.0848109	0.21631296	2.7484069	21	3 1.1	20.5
465138 2007 AB_{28}	17.1	X	108.22810	78.91760	125.90946	15.91048	0.1023041	0.23876385	2.5732995	21	8 31.9	20.9
465139 2007 BD_{2}	16.6	X	77.13915	228.86770	320.49386	12.45074	0.1899360	0.22697366	2.6616589	21	7 14.6	20.2
465140 2007 BA_{3}	17.8	X	188.83082	338.04798	101.72319	6.78589	0.2485428	0.23539155	2.5978185	21	6 13.5	22.4
465141 2007 BH_{37}	17.6	X	140.88527	197.86378	300.40614	2.01927	0.0671392	0.23375546	2.6099261	21	7 6.2	21.1
465142 2007 BG_{45}	17.7	X	153.91720	303.70279	142.46779	10.38615	0.3565488	0.22995565	2.6385986	21	5 31.9	22.8
465143 2007 BC_{59}	17.6	X	168.96922	329.79343	108.11503	10.08803	0.1475820	0.23040427	2.6351724	21	5 25.7	21.9
465144 2007 BK_{76}	17.6	X	205.35480	334.84812	118.88911	8.42295	0.0934867	0.24003849	2.5641817	21	7 21.0	21.3
465145 2007 BE_{81}	17.4	X	103.28351	43.91483	133.98648	14.17442	0.1103666	0.23047389	2.6346417	21	7 18.2	21.1
465146 2007 CZ_{2}	17.9	X	153.16042	304.93448	158.95565	4.31334	0.2113623	0.23018766	2.6368253	21	6 13.9	22.4
465147 2007 CG_{8}	17.7	X	155.04643	349.45656	95.01140	4.32541	0.2169737	0.22974313	2.6402255	21	5 22.9	22.1
465148 2007 CJ_{29}	16.6	X	299.81422	231.57121	132.57354	15.51625	0.1089447	0.24020980	2.5629624	21	7 18.4	19.7
465149 2007 CG_{31}	17.1	X	55.47315	93.21984	140.33251	7.71453	0.1738539	0.23025156	2.6363374	21	8 8.9	20.2
465150 2007 CW_{32}	17.1	X	20.44751	339.34666	315.40284	8.38919	0.1148779	0.23773247	2.5807368	21	8 28.3	19.9
465151 2007 CL_{37}	17.1	X	186.28572	85.88781	320.60987	13.34232	0.0929370	0.22546289	2.6735358	21	4 23.1	21.5
465152 2007 CD_{48}	15.4	X	311.05968	307.60603	171.88179	7.10366	0.1686914	0.12433671	3.9756041	21	12 11.7	20.4
465153 2007 CT_{56}	17.0	X	35.76955	358.16401	159.61752	9.29372	0.2608027	0.21351927	2.7723283	21	3 23.7	19.1
465154 2007 CR_{57}	16.9	X	145.86285	11.42699	116.36205	14.78116	0.1874462	0.23132191	2.6281987	21	7 6.1	21.1
465155 2007 DC_{6}	16.7	X	54.16187	144.24189	342.84518	14.68356	0.1335452	0.21139688	2.7908532	21	3 4.3	19.9
465156 2007 DU_{11}	18.0	X	164.30030	344.32719	110.91784	3.24430	0.1768528	0.23230343	2.6207905	21	6 11.2	22.3
465157 2007 DW_{12}	17.1	X	182.22338	258.61531	182.49780	4.08005	0.2602878	0.23250530	2.6192733	21	6 10.2	21.8
465158 2007 DP_{32}	17.0	X	151.61383	141.76682	349.62311	11.81301	0.1253342	0.22979452	2.6398319	21	7 15.9	21.2
465159 2007 DO_{33}	17.6	X	125.62945	27.26097	144.66064	4.99505	0.1253259	0.23034964	2.6355890	21	8 6.9	21.4
465160 2007 DW_{41}	16.4	X	119.63956	176.56831	300.38929	13.03798	0.0845047	0.22398122	2.6853134	21	5 11.2	20.4
465161 2007 DX_{41}	16.7	X	159.71234	9.17309	141.11714	12.58636	0.1220676	0.23585804	2.5943920	21	8 14.8	20.5
465162 2007 DM_{55}	17.1	X	53.26744	259.13858	358.82635	10.81738	0.1677509	0.23019817	2.6367450	21	9 9.6	20.4
465163 2007 DY_{69}	17.9	X	140.39973	91.34602	351.45966	4.23577	0.2349658	0.22232036	2.6986707	21	5 7.6	22.3
465164 2007 DZ_{113}	16.3	X	178.17144	118.10413	344.09793	21.90847	0.1248269	0.23289255	2.6163690	21	7 7.5	20.8
465165 2007 DV_{115}	17.7	X	124.52794	134.71026	326.11842	4.20931	0.0753682	0.22112622	2.7083776	21	4 26.8	21.5
465166 2007 EL	19.5	X	204.03555	299.34711	357.25580	34.32671	0.2757619	0.53821089	1.4968136	21	—	—
465167 2007 EE_{14}	17.2	X	105.38217	11.50046	126.97622	6.66677	0.2615300	0.22417687	2.6837508	21	6 18.3	21.3
465168 2007 EM_{16}	17.0	X	49.61453	63.77173	139.77172	9.48816	0.2108813	0.21967895	2.7202600	21	6 23.5	20.1
465169 2007 EE_{43}	16.5	X	34.95423	64.76200	179.52088	12.57816	0.1009259	0.22275060	2.6951946	21	7 8.8	20.0
465170 2007 EW_{52}	17.3	X	175.07068	91.26530	347.37495	12.84593	0.2601479	0.22761800	2.6566335	21	5 29.8	22.2
465171 2007 EE_{53}	16.2	X	17.06592	214.52610	348.40836	13.88711	0.0471007	0.21446637	2.7641604	21	4 6.7	19.8
465172 2007 EZ_{63}	17.4	X	165.60009	120.80341	334.66467	3.95623	0.1311474	0.23076964	2.6323902	21	6 10.6	21.5
465173 2007 EY_{76}	17.9	X	76.85230	125.25559	25.90147	3.66653	0.1362467	0.21711120	2.7416661	21	5 11.6	21.3
465174 2007 EE_{84}	17.6	X	99.13489	10.90461	133.88941	6.27999	0.0910634	0.22085648	2.7105824	21	5 28.5	21.3
465175 2007 ER_{100}	16.8	X	63.31973	93.78719	157.01904	15.59596	0.0773480	0.23401770	2.6079759	21	8 29.1	20.1
465176 2007 ES_{100}	17.8	X	146.04633	359.15620	132.90074	2.15017	0.1211190	0.23017686	2.6369077	21	7 7.6	21.7
465177 2007 EZ_{121}	17.4	X	291.62833	345.92608	34.81190	7.85257	0.1315559	0.23799160	2.5788631	21	7 28.9	20.6
465178 2007 EB_{127}	17.4	X	48.87242	252.13152	334.96096	7.11725	0.0867192	0.22807939	2.6530495	21	7 7.8	20.6
465179 2007 EL_{127}	17.9	X	132.47393	139.97979	346.90756	5.57656	0.0723981	0.22474035	2.6792630	21	6 10.7	21.8
465180 2007 EZ_{141}	17.0	X	123.25859	317.82568	191.51452	8.76179	0.0858023	0.22471071	2.6794986	21	6 30.7	21.0
465181 2007 EB_{190}	17.6	X	121.31610	175.81685	314.64262	2.20927	0.0942145	0.22319612	2.6916069	21	6 4.9	21.5
465182 2007 EV_{193}	17.4	X	39.77380	222.25336	6.11804	8.04390	0.2217053	0.21860801	2.7291370	21	7 15.3	20.4
465183 2007 ER_{219}	17.4	X	277.67146	354.77408	359.87946	5.73848	0.0447334	0.22433046	2.6825256	21	6 12.9	21.1
465184 2007 FG_{22}	17.2	X	42.22194	255.71549	13.17252	10.88536	0.2644256	0.22491152	2.6779035	21	9 23.7	20.3
465185 2007 FR_{26}	17.2	X	25.44160	96.52360	182.93032	3.33406	0.1659002	0.22572066	2.6715000	21	8 21.4	20.1
465186 2007 FB_{46}	17.3	X	100.90313	106.48360	33.92098	13.44752	0.1419212	0.21674895	2.7447200	21	5 28.4	21.2
465187 2007 GS_{9}	16.5	X	60.87165	38.68383	187.46102	13.33840	0.1137254	0.22279532	2.6948339	21	7 24.8	20.3
465188 2007 GD_{43}	16.8	X	305.61690	301.29062	20.99776	9.33444	0.1830755	0.21676240	2.7446064	21	5 15.6	20.5
465189 2007 GE_{67}	17.3	X	85.55823	115.60007	37.01799	8.29129	0.1646326	0.21458869	2.7631100	21	5 29.8	21.0
465190 2007 GE_{71}	17.6	X	84.06770	356.74456	183.55769	5.33840	0.0647971	0.22135744	2.7064913	21	6 19.8	21.2
465191 2007 HQ_{1}	17.2	X	48.38271	52.88824	203.67739	13.04875	0.2166783	0.22317925	2.6917425	21	9 2.2	20.7
465192 2007 HF_{20}	16.9	X	111.19816	321.44693	209.48616	5.49801	0.1073530	0.22180376	2.7028594	21	7 17.0	20.8
465193 2007 HP_{24}	16.8	X	278.06155	245.90406	90.43330	5.21565	0.1085768	0.21167176	2.7884366	21	5 12.7	20.7
465194 2007 HS_{41}	16.8	X	338.67474	53.82516	221.01316	7.10519	0.1905069	0.21116165	2.7929255	21	5 6.9	19.5
465195 2007 HC_{42}	16.5	X	268.81350	283.57038	30.50338	15.79839	0.0640464	0.21061983	2.7977133	21	4 9.8	20.4
465196 2007 HB_{43}	16.4	X	30.38777	195.87557	46.42082	16.56362	0.1279248	0.21804784	2.7338092	21	7 2.4	19.8
465197 2007 HW_{50}	17.3	X	20.84937	133.38356	90.58481	5.36084	0.1570471	0.21233786	2.7826020	21	5 21.6	20.1
465198 2007 HM_{57}	16.9	X	97.56760	288.10925	204.85161	12.41058	0.0953881	0.21044803	2.7992357	21	5 11.7	20.7
465199 2007 JJ_{8}	16.8	X	56.65080	346.37131	226.50367	8.67985	0.1401006	0.21716560	2.7412082	21	7 5.3	20.2
465200 2007 JB_{28}	16.9	X	77.92667	293.15897	223.51209	11.00324	0.0663624	0.21104854	2.7939233	21	5 11.2	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465201 2007 JA_{30}	17.1	X	69.47975	171.23287	34.64460	8.59173	0.1359475	0.21945471	2.7221127	21	7 17.7	20.7
465202 2007 JB_{31}	16.4	X	43.69336	50.08076	208.52200	24.69663	0.2106622	0.21983507	2.7189720	21	8 24.2	20.1
465203 2007 LC_{21}	16.8	X	322.44333	175.02091	133.46092	5.96822	0.0857765	0.21392580	2.7688150	21	6 9.8	20.3
465204 2007 LJ_{24}	17.2	X	357.47879	141.26261	103.81184	2.50215	0.1423483	0.20940431	2.8085294	21	5 6.2	20.1
465205 2007 MY_{21}	16.5	X	35.43093	44.38701	174.26199	15.25777	0.0602317	0.21091394	2.7951118	21	6 3.0	20.4
465206 2007 OR_{4}	18.1	X	105.40819	200.68661	105.05444	6.64906	0.1841507	0.30244951	2.1980326	21	—	—
465207 2007 PC_{21}	17.9	X	86.75737	354.63780	339.09362	7.62154	0.1891705	0.30085179	2.2058077	21	—	—
465208 2007 PS_{28}	15.8	X	111.98106	232.86484	164.37581	27.63352	0.0975982	0.17498047	3.1657480	21	2 1.3	20.6
465209 2007 PN_{30}	17.7	X	92.48885	353.42266	354.88425	6.24199	0.2085245	0.30434295	2.1889065	21	—	—
465210 2007 QF_{10}	18.8	X	144.48192	346.23973	315.94913	1.62443	0.2434817	0.30912769	2.1662610	21	—	—
465211 2007 RW_{5}	18.4	X	138.09914	115.39849	203.38608	3.08736	0.2221975	0.30892185	2.1672231	21	—	—
465212 2007 RG_{6}	16.3	X	205.54869	166.99415	188.67090	16.47796	0.2163475	0.18475635	3.0530679	21	3 19.3	21.5
465213 2007 RS_{15}	18.6	X	199.47969	191.75406	174.48759	26.14777	0.0770922	0.39827933	1.8295497	21	2 26.2	20.6
465214 2007 RU_{29}	17.5	X	77.50300	42.11186	274.45956	6.09611	0.2413928	0.29652599	2.2272085	21	—	—
465215 2007 RB_{31}	17.4	X	326.84600	212.87762	192.67416	9.87247	0.2177587	0.28746274	2.2737795	21	11 19.1	18.8
465216 2007 RR_{54}	16.1	X	228.63636	74.27748	252.54299	4.28904	0.0391814	0.18155784	3.0888208	21	3 11.3	20.7
465217 2007 RL_{68}	16.7	X	257.58109	324.41926	0.88062	10.28721	0.1720113	0.19067374	2.9895704	21	3 29.2	21.3
465218 2007 RA_{86}	16.5	X	211.80336	169.34773	184.36451	10.70767	0.1484447	0.18561030	3.0436964	21	3 23.9	21.5
465219 2007 RX_{92}	16.5	X	192.89610	213.06990	147.05734	0.63958	0.1752596	0.18103915	3.0947177	21	3 15.8	21.7
465220 2007 RZ_{107}	18.3	X	260.28963	110.06607	345.52203	5.12255	0.1164198	0.28185384	2.3038458	21	9 29.3	21.0
465221 2007 RL_{115}	17.8	X	313.02943	77.02298	337.07556	6.37593	0.0875249	0.28499952	2.2868621	21	10 28.8	20.2
465222 2007 RB_{118}	18.1	X	180.88558	199.56433	234.24545	1.83107	0.1870762	0.26060831	2.4274141	21	5 29.2	21.9
465223 2007 RF_{129}	16.7	X	251.24087	117.77912	183.18088	13.85650	0.1907810	0.18287912	3.0739252	21	2 20.9	21.9
465224 2007 RT_{131}	16.9	X	257.59868	171.85136	144.03123	2.94011	0.1978686	0.18712959	3.0271997	21	3 17.8	21.6
465225 2007 RC_{139}	16.5	X	188.26924	154.51411	190.63080	23.62445	0.1911489	0.17778786	3.1323334	21	2 19.9	22.0
465226 2007 RH_{139}	18.1	X	62.59759	73.07470	275.77742	3.68158	0.2161344	0.29794392	2.2201366	21	—	—
465227 2007 RZ_{165}	16.2	X	111.21657	98.54736	342.20509	11.22796	0.0577567	0.18143907	3.0901686	21	3 17.7	20.5
465228 2007 RO_{179}	18.3	X	318.89908	190.00849	206.82081	2.01423	0.2105601	0.27850278	2.3222895	21	10 6.7	19.6
465229 2007 RN_{181}	16.5	X	157.96851	5.58357	11.93788	12.36943	0.1467323	0.17540002	3.1606977	21	3 8.3	21.5
465230 2007 RQ_{191}	16.8	X	258.01519	123.38557	177.25664	12.07687	0.1144575	0.18370372	3.0647197	21	3 6.5	21.6
465231 2007 RQ_{209}	17.9	X	79.76948	315.54705	21.92094	7.04602	0.1768277	0.29826240	2.2185559	21	—	—
465232 2007 RR_{210}	16.4	X	159.29157	45.21584	323.70537	5.65097	0.1857865	0.17829929	3.1263408	21	2 25.7	21.4
465233 2007 RG_{228}	18.1	X	42.44202	190.24729	171.88791	4.42627	0.2128647	0.29607759	2.2294566	21	—	—
465234 2007 RY_{250}	17.9	X	82.15096	114.55957	223.24963	4.41942	0.1714556	0.29892154	2.2152933	21	—	—
465235 2007 RG_{262}	15.7	X	177.21221	79.98270	271.21362	14.44867	0.2082811	0.17857542	3.1231171	21	2 15.8	21.2
465236 2007 RC_{272}	16.4	X	229.73191	78.94110	196.38478	21.54439	0.1602480	0.17360276	3.1824748	21	1 6.9	22.0
465237 2007 RJ_{273}	16.3	X	195.79014	154.94768	199.96384	10.82328	0.2388872	0.18075550	3.0979545	21	3 10.5	21.8
465238 2007 RM_{287}	18.5	X	304.86082	232.38594	176.97803	2.81518	0.1943053	0.28053091	2.3110831	21	9 26.3	20.1
465239 2007 RT_{290}	16.1	X	3.10764	320.05480	198.40963	11.19166	0.0782209	0.17269370	3.1936334	21	1 27.8	20.4
465240 2007 RK_{291}	16.4	X	191.85907	147.30248	207.05082	11.30982	0.0700412	0.17873484	3.1212597	21	3 3.6	21.3
465241 2007 RS_{291}	16.5	X	204.29584	318.40473	6.54202	9.46076	0.0703003	0.17603736	3.1530642	21	2 16.3	21.3
465242 2007 RT_{291}	16.3	X	206.09476	160.09341	184.76698	11.08189	0.0812416	0.18012508	3.1051787	21	3 8.6	21.0
465243 2007 RR_{293}	16.9	X	247.67960	179.35647	116.69248	2.27904	0.1431507	0.18091159	3.0961723	21	2 18.3	21.7
465244 2007 RU_{293}	16.4	X	326.37459	217.86721	29.50092	6.50902	0.1470025	0.18670362	3.0318024	21	3 21.3	20.2
465245 2007 RX_{293}	16.6	X	295.84885	243.61010	32.19665	6.37812	0.2094573	0.18807288	3.0170692	21	3 8.5	21.0
465246 2007 RE_{298}	15.7	X	156.44446	13.52630	20.13387	9.44376	0.0364799	0.18023345	3.1039338	21	3 15.7	20.2
465247 2007 RF_{301}	16.4	X	161.49740	341.50832	32.72879	9.89309	0.0913361	0.17400631	3.1775523	21	3 4.9	21.3
465248 2007 RW_{302}	17.6	X	337.78642	344.20865	24.86717	8.22222	0.1645704	0.27964369	2.3159687	21	10 10.0	19.3
465249 2007 RH_{312}	16.0	X	116.24023	356.49684	48.01005	10.34944	0.2115399	0.17173729	3.2054793	21	3 8.2	21.0
465250 2007 RT_{315}	17.6	X	86.55698	196.43718	175.00194	5.99325	0.0925574	0.30551234	2.1833174	21	—	—
465251 2007 RP_{316}	18.1	X	95.09644	95.89654	240.26012	4.02754	0.1610565	0.30153143	2.2024919	21	—	—
465252 2007 RW_{319}	17.7	X	81.26975	48.00605	283.17082	6.59396	0.2148904	0.29825009	2.2186170	21	—	—
465253 2007 RZ_{322}	16.6	X	175.01522	4.80622	352.42899	7.77744	0.0872044	0.17593378	3.1543016	21	2 23.2	21.5
465254 2007 SM_{2}	16.5	X	168.33510	168.08298	193.41424	8.01783	0.1314736	0.17835687	3.1256678	21	2 20.6	21.5
465255 2007 SD_{6}	18.1	X	127.07920	121.90809	205.36997	4.46696	0.2183534	0.30613104	2.1803747	21	—	—
465256 2007 SJ_{6}	18.1	X	78.21973	143.80569	195.76344	6.45530	0.2049182	0.29929620	2.2134442	21	—	—
465257 2007 SQ_{14}	16.1	X	180.17141	202.32994	200.64221	16.38862	0.1949001	0.18164226	3.0878637	21	4 25.4	21.4
465258 2007 SP_{19}	16.6	X	92.87374	193.03225	207.86572	7.22661	0.1298141	0.16617539	3.2766112	21	1 19.0	21.1
465259 2007 SS_{22}	16.2	X	221.75926	344.88230	11.94806	17.19463	0.1151378	0.18662441	3.0326601	21	4 5.9	21.1
465260 2007 TS_{11}	16.2	X	226.39329	298.36265	43.60658	5.26726	0.2383342	0.18418378	3.0593920	21	3 21.6	21.5
465261 2007 TK_{26}	16.0	X	113.86743	207.18031	179.99360	9.87593	0.0710879	0.17129992	3.2109333	21	1 19.4	20.7
465262 2007 TK_{27}	16.1	X	94.57493	222.02585	200.27090	9.31270	0.0386850	0.16971026	3.2309531	21	2 1.8	20.8
465263 2007 TS_{27}	16.5	X	145.46271	348.27488	23.69224	9.77664	0.0670618	0.17068083	3.2186930	21	2 11.4	21.3
465264 2007 TN_{39}	16.7	X	203.80986	303.93371	47.60666	4.14343	0.2023906	0.17908599	3.1171783	21	3 16.4	22.1
465265 2007 TL_{59}	18.2	X	155.14155	151.37001	161.50331	3.91413	0.1286540	0.31030176	2.1607933	21	—	—
465266 2007 TK_{60}	16.6	X	241.09625	130.79833	193.44453	8.40837	0.1001046	0.18646324	3.0344075	21	3 18.1	21.1
465267 2007 TQ_{61}	16.5	X	246.71042	111.69717	206.17362	4.80818	0.1300983	0.18107600	3.0942979	21	3 14.2	21.4
465268 2007 TU_{72}	18.4	X	127.01864	227.78788	210.85165	20.48143	0.0784032	0.39399247	1.8427967	21	3 1.7	20.5
465269 2007 TA_{74}	16.3	X	164.50034	170.93299	211.27146	10.77344	0.1461945	0.17671284	3.1450241	21	3 13.5	21.5
465270 2007 TQ_{74}	18.0	X	1.74161	155.07173	224.17470	4.47152	0.1704620	0.28739896	2.2741158	21	12 17.5	20.1
465271 2007 TF_{107}	17.7	X	250.63114	92.30440	0.06386	21.69316	0.2963635	0.27592303	2.3367419	21	8 26.1	21.4
465272 2007 TS_{112}	18.2	X	242.69667	333.39172	194.44889	5.35928	0.0359940	0.29371815	2.2413802	21	12 30.6	20.9
465273 2007 TR_{115}	15.9	X	316.10168	52.85146	217.03961	21.66993	0.1308939	0.18225409	3.0809491	21	4 2.8	20.2
465274 2007 TR_{127}	18.0	X	95.99521	254.83435	49.71049	5.32410	0.1363287	0.29186559	2.2508547	21	—	—
465275 2007 TR_{163}	18.0	X	69.09777	253.13297	102.27738	1.56662	0.2494904	0.29712719	2.2242032	21	—	—
465276 2007 TA_{165}	17.9	X	15.76196	357.72662	24.63300	4.30850	0.1563392	0.29053532	2.2577200	21	—	—
465277 2007 TV_{172}	16.8	X	237.32794	85.62469	249.10335	2.49859	0.2147386	0.18595539	3.0399297	21	3 19.6	21.9
465278 2007 TV_{178}	16.3	X	233.49544	125.81493	197.25870	9.50641	0.0870551	0.17847285	3.1243135	21	3 9.9	21.1
465279 2007 TY_{180}	17.8	X	68.59432	183.05467	163.50190	5.96017	0.2235848	0.29642063	2.2277362	21	—	—
465280 2007 TA_{182}	18.3	X	293.66502	113.88310	293.37875	2.38199	0.2290840	0.27652295	2.3333610	21	8 22.5	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465281 2007 TM_{190}	17.0	X	240.79447	117.70904	201.14060	1.45400	0.1152794	0.18596409	3.0398349	21	3 10.9	21.7
465282 2007 TK_{205}	16.2	X	149.90248	190.25715	200.70035	9.17591	0.0901186	0.17207759	3.2012518	21	3 6.5	21.2
465283 2007 TZ_{211}	17.9	X	345.19071	101.85300	281.38709	2.45520	0.2133355	0.28350069	2.2949152	21	11 24.7	19.3
465284 2007 TA_{219}	14.3	X	87.35164	75.21220	231.58635	4.28884	0.1282998	0.08191096	5.2509922	21	11 22.2	21.3
465285 2007 TN_{244}	17.7	X	36.65337	13.69317	344.17203	8.26166	0.1469538	0.29079979	2.2563510	21	—	—
465286 2007 TO_{248}	18.1	X	350.49338	207.18533	184.35231	6.57321	0.1402959	0.28420370	2.2911291	21	12 10.5	20.3
465287 2007 TD_{260}	16.6	X	181.61136	334.29665	14.54759	8.65718	0.0765489	0.17439276	3.1728564	21	2 21.5	21.5
465288 2007 TM_{276}	18.3	X	138.99926	5.58617	295.34701	1.89426	0.2032882	0.30357082	2.1926166	21	—	—
465289 2007 TB_{295}	17.0	X	298.93515	124.57217	201.23144	10.49547	0.1611544	0.19683213	2.9268832	21	5 19.2	20.9
465290 2007 TK_{299}	16.0	X	141.89627	170.08964	209.26988	18.85869	0.1247698	0.17087196	3.2162923	21	2 12.9	21.3
465291 2007 TC_{314}	16.4	X	113.88558	358.72836	49.41684	10.50907	0.0921427	0.17008498	3.2262058	21	2 23.0	21.2
465292 2007 TD_{329}	17.5	X	202.82906	189.41365	10.17505	6.95002	0.1299295	0.28818403	2.2699839	21	12 5.0	20.6
465293 2007 TR_{330}	15.9	X	329.93100	227.77142	229.43103	11.39609	0.4078981	0.14370101	3.6099082	21	12 10.6	18.5
465294 2007 TY_{335}	16.5	X	166.72171	174.25815	191.83430	10.83990	0.2219677	0.17833837	3.1258840	21	3 1.3	21.9
465295 2007 TH_{336}	18.2	X	0.71834	167.31001	196.00857	6.34546	0.1308502	0.28735292	2.2743588	21	11 16.9	20.3
465296 2007 TE_{359}	17.6	X	252.31315	36.61726	27.44377	8.74360	0.1278328	0.27220815	2.3579538	21	8 6.5	20.8
465297 2007 TN_{368}	16.4	X	222.06807	318.12057	36.32107	9.22221	0.2105379	0.18591975	3.0403182	21	4 2.8	21.6
465298 2007 TF_{385}	16.0	X	204.70003	343.82844	13.30983	12.59436	0.1448276	0.18183214	3.0857136	21	3 23.7	21.0
465299 2007 TW_{394}	15.5	X	144.60467	340.42443	27.17683	27.63969	0.1587351	0.17221870	3.1995029	21	2 25.8	21.0
465300 2007 TE_{397}	16.6	X	198.87499	155.90546	197.69710	12.08447	0.2300004	0.17990305	3.1077330	21	3 11.3	22.1
465301 2007 TX_{407}	15.7	X	268.18520	206.76575	77.63026	12.08936	0.0286543	0.17394907	3.1782494	21	3 16.3	20.4
465302 2007 TA_{424}	16.2	X	139.74825	5.54087	23.85859	21.01340	0.0405019	0.17259136	3.1948956	21	2 28.9	21.1
465303 2007 TR_{425}	16.0	X	81.59471	341.42041	48.27106	10.78749	0.0314977	0.15761232	3.3942405	21	—	—
465304 2007 TK_{428}	17.9	X	9.21973	221.85678	146.67490	3.53539	0.1776962	0.28485220	2.2876504	21	12 15.5	20.1
465305 2007 TB_{432}	16.1	X	3.18945	353.99810	202.09865	9.72955	0.0122929	0.17983504	3.1085165	21	3 18.8	20.4
465306 2007 TK_{448}	16.5	X	145.20802	318.05042	44.86982	1.25215	0.1132647	0.16866996	3.2442244	21	2 2.2	21.4
465307 2007 UQ_{3}	17.8	X	318.33283	290.82115	50.36524	34.96182	0.2237644	0.41484075	1.7805265	21	6 8.9	19.3
465308 2007 UX_{4}	16.0	X	190.88629	98.38723	213.77757	24.78032	0.2106687	0.17124021	3.2116796	21	1 14.9	21.9
465309 2007 UJ_{10}	17.8	X	299.20028	164.93595	219.46374	3.80176	0.2477310	0.27452927	2.3446442	21	7 23.5	20.3
465310 2007 UX_{12}	18.5	X	342.09410	17.13656	10.14151	6.67793	0.2075062	0.28409125	2.2917337	21	11 21.6	20.2
465311 2007 UD_{26}	17.7	X	215.00712	135.15703	58.76670	7.98765	0.0566598	0.28785939	2.2716902	21	12 23.7	20.4
465312 2007 UJ_{26}	16.4	X	185.36291	316.86374	44.34166	10.92124	0.0938803	0.17543794	3.1602422	21	3 14.2	21.4
465313 2007 UN_{43}	16.4	X	234.81842	191.64471	151.74007	1.94933	0.2145159	0.18463441	3.0544120	21	3 29.4	21.4
465314 2007 UQ_{59}	16.5	X	230.76557	323.74596	10.03506	1.28819	0.1665195	0.17951393	3.1122224	21	3 17.3	21.4
465315 2007 UJ_{71}	18.4	X	321.22823	9.04692	42.92837	7.87849	0.1021950	0.28187348	2.3037388	21	11 11.3	20.6
465316 2007 UB_{73}	18.1	X	228.06535	84.63738	32.11105	4.17680	0.1319024	0.27457807	2.3443664	21	9 15.9	21.2
465317 2007 UY_{137}	18.3	X	329.64124	20.64970	14.59883	6.40684	0.1910379	0.28053491	2.3110612	21	11 1.4	19.9
465318 2007 UT_{139}	18.2	X	268.57057	297.39940	103.71138	5.55278	0.1759385	0.26824033	2.3811495	21	7 15.2	21.0
465319 2007 UW_{139}	18.2	X	306.37437	272.35035	144.22156	2.85742	0.2168722	0.28002329	2.3138753	21	10 9.9	19.8
465320 2007 UK_{140}	18.0	X	104.65531	290.69399	28.09000	4.43917	0.1973529	0.29468481	2.2364759	21	—	—
465321 2007 UO_{140}	18.2	X	171.54402	295.15623	350.75398	1.10870	0.2322227	0.30737029	2.1745102	21	—	—
465322 2007 VH_{5}	17.9	X	44.01181	323.63093	24.74094	7.03098	0.1580485	0.28936988	2.2637780	21	—	—
465323 2007 VX_{19}	17.6	X	185.47000	296.58783	213.74646	21.51993	0.2461905	0.27232495	2.3572796	21	9 1.6	22.1
465324 2007 VN_{30}	17.5	X	247.68215	199.42123	256.58543	6.81119	0.1555234	0.27392074	2.3481154	21	9 2.7	20.9
465325 2007 VY_{32}	16.5	X	53.71469	58.80752	11.86236	6.65129	0.1772699	0.15901102	3.3743068	21	1 8.2	20.5
465326 2007 VA_{44}	17.7	X	337.68068	125.26937	273.20019	5.22680	0.1357769	0.28292579	2.2980229	21	11 23.9	19.6
465327 2007 VP_{45}	16.4	X	198.92460	91.17238	262.95192	8.15817	0.0926019	0.17558763	3.1584459	21	3 9.9	21.4
465328 2007 VE_{51}	18.0	X	202.16394	101.80382	16.02435	5.01039	0.0991986	0.26812278	2.3818454	21	8 21.5	21.4
465329 2007 VE_{58}	17.8	X	252.74250	11.93576	144.71064	4.09513	0.0575017	0.28631229	2.2798663	21	12 25.1	20.3
465330 2007 VW_{65}	16.2	X	231.33540	276.36731	23.54098	11.40793	0.0558930	0.17640794	3.1486469	21	2 17.1	21.0
465331 2007 VY_{75}	17.9	X	12.14612	298.44398	59.61522	5.36925	0.1925566	0.28432411	2.2904822	21	12 6.9	20.1
465332 2007 VW_{88}	17.4	X	248.46742	158.81612	242.20984	14.65861	0.2320326	0.26639553	2.3921299	21	6 14.3	21.2
465333 2007 VT_{103}	16.5	X	298.05902	64.99721	220.46683	9.44780	0.0318060	0.18426977	3.0584402	21	4 14.1	20.8
465334 2007 VA_{123}	17.9	X	230.31722	268.63177	196.00340	6.10191	0.0642691	0.27594386	2.3366243	21	9 7.8	20.9
465335 2007 VL_{128}	18.2	X	272.99968	182.27701	227.97630	3.32972	0.1437372	0.27311969	2.3527045	21	8 7.5	21.0
465336 2007 VG_{133}	16.4	X	287.19853	113.28293	188.99418	5.43222	0.1465046	0.18557363	3.0440973	21	4 6.4	20.6
465337 2007 VW_{138}	17.5	X	351.87893	338.58581	71.37012	7.57616	0.0934738	0.28763298	2.2728822	21	—	—
465338 2007 VL_{141}	18.5	X	251.06798	43.56880	39.17584	5.32775	0.1986647	0.27063731	2.3670691	21	8 19.7	21.8
465339 2007 VC_{167}	18.4	X	166.73525	265.38154	234.82788	1.71571	0.1942636	0.26128392	2.4232279	21	8 9.6	22.4
465340 2007 VH_{174}	17.8	X	252.71270	95.27258	330.90738	5.68676	0.2448289	0.26900414	2.3766400	21	7 22.4	21.3
465341 2007 VX_{174}	16.5	X	206.27883	106.84297	211.95459	9.34347	0.0856552	0.17188398	3.2036552	21	2 5.6	21.6
465342 2007 VF_{205}	18.5	X	156.23858	248.02805	58.25209	1.65681	0.3148804	0.30774412	2.1727489	21	—	—
465343 2007 VM_{222}	18.4	X	268.82816	239.82777	190.42758	4.28311	0.1818522	0.27491341	2.3424595	21	8 24.3	21.1
465344 2007 VM_{239}	16.2	X	230.91307	78.97272	238.29955	9.69480	0.0992450	0.17138542	3.2098652	21	2 26.2	21.3
465345 2007 VL_{283}	18.3	X	163.91770	112.28368	66.73306	2.16797	0.0564092	0.27156095	2.3616988	21	9 29.8	21.5
465346 2007 VB_{296}	16.2	X	133.45720	143.20498	218.73007	9.92049	0.1251186	0.16257815	3.3247674	21	1 19.3	21.3
465347 2007 VE_{314}	18.1	X	204.01303	357.61030	90.12061	3.25253	0.1930902	0.26230705	2.4169226	21	7 7.0	21.8
465348 2007 WC_{6}	17.4	X	326.99187	23.83921	22.01045	6.24334	0.2008875	0.28039483	2.3118308	21	11 13.1	18.8
465349 2007 WB_{13}	16.8	X	119.87657	178.47884	270.49535	14.15122	0.1036144	0.24621661	2.5211063	21	4 1.6	20.6
465350 2007 WH_{28}	18.2	X	237.42823	143.01658	292.56012	4.05865	0.2546333	0.26556119	2.3971377	21	7 17.4	21.8
465351 2007 XJ_{1}	17.9	X	74.58680	256.55079	71.19346	6.47956	0.1756681	0.28850772	2.2682857	21	—	—
465352 2007 XC_{53}	18.8	X	176.03627	8.35190	106.34519	4.33215	0.3101703	0.25473501	2.4645840	21	7 16.9	23.2
465353 2007 YX_{65}	18.3	X	183.07310	59.30615	105.63929	2.31938	0.1199867	0.26399305	2.4066211	21	9 29.9	21.9
465354 2008 AV_{9}	17.5	X	132.67372	95.41687	142.83638	5.67215	0.2089072	0.26591800	2.3949929	21	11 14.1	21.5
465355 2008 AL_{17}	18.2	X	165.98743	21.95986	148.42428	1.74498	0.1288682	0.26037339	2.4288740	21	9 17.9	21.8
465356 2008 AB_{36}	17.7	X	244.27315	337.47001	119.04332	10.94383	0.1673323	0.26519620	2.3993367	21	9 3.9	21.1
465357 2008 AP_{37}	18.4	X	194.56538	144.29477	310.51013	1.71227	0.1737762	0.25463347	2.4652392	21	7 8.1	22.2
465358 2008 AA_{64}	17.9	X	263.36544	269.72927	147.80198	2.99194	0.2021074	0.26306038	2.4123061	21	7 27.0	21.0
465359 2008 AP_{67}	17.1	X	291.30511	279.11328	127.78833	11.15198	0.1512490	0.26542069	2.3979836	21	9 3.3	19.7
465360 2008 AE_{82}	17.8	X	221.70498	349.44679	84.37837	6.49972	0.2128118	0.26303292	2.4124740	21	7 4.1	21.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465361 2008 AZ_{94}	18.3	X	170.37551	57.15252	123.77406	2.77243	0.1577782	0.26367461	2.4085584	21	10 6.4	22.0
465362 2008 AN_{105}	18.0	X	243.20333	84.51112	324.63586	4.56234	0.1220732	0.25807722	2.4432595	21	7 2.5	21.5
465363 2008 AL_{136}	17.0	X	223.48245	273.51805	155.28899	14.61991	0.0799779	0.25336173	2.4734817	21	7 9.2	20.7
465364 2008 BQ_{9}	17.9	X	92.32295	85.01592	68.93291	5.64666	0.1770472	0.24104826	2.5570157	21	6 11.6	21.3
465365 2008 BD_{24}	18.7	X	94.36087	343.22955	149.44436	13.71972	0.1471327	0.38721019	1.8642530	21	5 3.7	20.4
465366 2008 CJ_{14}	17.1	X	53.89899	252.88796	46.16913	2.78536	0.1960208	0.25903654	2.4372235	21	11 10.9	20.4
465367 2008 CW_{20}	18.2	X	76.70405	142.68403	338.96725	18.91090	0.0743447	0.37955838	1.8892249	21	2 21.9	19.4
465368 2008 CG_{32}	18.2	X	190.40489	0.46737	110.34163	2.32512	0.1461366	0.25393923	2.4697302	21	7 25.8	21.8
465369 2008 CO_{32}	17.2	X	63.80222	195.70173	332.37856	9.18211	0.0907320	0.23745355	2.5827574	21	5 2.7	20.5
465370 2008 CZ_{60}	15.4	X	294.61410	341.75923	135.76420	8.55853	0.1145845	0.12722204	3.9152649	21	11 23.8	20.7
465371 2008 CQ_{125}	18.5	X	219.12106	147.59115	305.48002	1.07026	0.1362163	0.25740685	2.4474997	21	8 1.6	22.1
465372 2008 CX_{162}	17.9	X	254.33176	292.49903	152.53861	5.71079	0.0844624	0.26166180	2.4208943	21	9 10.8	21.0
465373 2008 DJ_{17}	18.1	X	113.78127	307.24637	162.82852	23.62567	0.0720879	0.38295609	1.8780338	21	4 14.2	20.1
465374 2008 DC_{20}	18.1	X	100.40302	191.09542	354.00301	7.84244	0.1444567	0.24583108	2.5237415	21	8 1.2	21.7
465375 2008 DA_{43}	17.2	X	82.68110	158.05777	129.18833	7.87039	0.2094707	0.26426170	2.4049898	21	11 30.4	21.0
465376 2008 DS_{63}	18.3	X	174.88662	357.58273	131.15517	4.08715	0.1338334	0.25182150	2.4835573	21	8 2.8	22.2
465377 2008 DF_{86}	18.0	X	256.04594	31.87488	354.23036	4.11603	0.0573754	0.24717344	2.5145958	21	6 25.4	21.3
465378 2008 EU_{37}	18.2	X	141.59389	251.00963	299.88089	0.68246	0.0893931	0.25797599	2.4438986	21	9 17.5	21.7
465379 2008 EN_{127}	17.9	X	216.80106	234.82912	23.68018	21.14467	0.0628140	0.35418930	1.9783924	21	—	—
465380 2008 EH_{146}	17.4	X	120.46451	217.49711	5.96105	8.11073	0.0770960	0.25479563	2.4641931	21	10 5.1	20.7
465381 2008 EW_{153}	17.0	X	329.29401	319.34594	19.45995	15.44706	0.1637659	0.24251336	2.5467067	21	8 3.3	19.9
465382 2008 ED_{163}	17.7	X	71.29014	203.18275	3.87041	11.93261	0.1052663	0.24041405	2.5615106	21	7 18.9	21.2
465383 2008 EE_{168}	17.0	X	117.83445	168.12141	79.41378	7.40649	0.1620917	0.25722170	2.4486740	21	11 9.9	20.9
465384 2008 FB_{15}	17.4	X	182.28022	302.26005	175.30046	13.66441	0.1268631	0.24517979	2.5282088	21	7 24.4	21.6
465385 2008 FR_{23}	17.3	X	99.12437	190.99553	53.48680	8.19235	0.0726338	0.25186305	2.4832841	21	10 10.6	20.7
465386 2008 FA_{30}	15.5	X	234.94935	342.76393	191.12017	5.91037	0.0466275	0.12375301	3.9880953	21	11 24.6	21.2
465387 2008 FD_{31}	18.1	X	152.29872	351.34323	190.96966	1.56148	0.1350027	0.25587089	2.4572846	21	9 18.7	21.9
465388 2008 FC_{40}	17.2	X	346.12341	274.02214	37.75917	8.95040	0.0248561	0.24291439	2.5439030	21	7 28.6	20.5
465389 2008 FH_{53}	18.0	X	1.04581	289.09363	193.43550	21.99690	0.0729114	0.35797989	1.9644017	21	—	—
465390 2008 FZ_{98}	17.2	X	139.36966	72.65554	51.88792	14.22862	0.0275384	0.23596131	2.5936349	21	6 9.8	20.8
465391 2008 FL_{136}	17.3	X	26.47404	153.88452	132.50914	5.59257	0.2338899	0.24043449	2.5613654	21	9 18.6	19.8
465392 2008 GS_{10}	17.3	X	11.76980	124.79900	197.74198	4.40662	0.2857281	0.24099153	2.5574169	21	10 20.7	19.4
465393 2008 GV_{25}	17.8	X	66.71986	184.93020	42.23236	7.70065	0.2196403	0.24076768	2.5590018	21	8 28.7	21.2
465394 2008 GR_{26}	18.0	X	6.69134	114.14472	57.32116	22.78010	0.0936392	0.36988772	1.9220121	21	—	—
465395 2008 GX_{40}	17.7	X	10.75972	228.35135	51.33781	10.32229	0.1833388	0.23636983	2.5906457	21	7 29.2	20.3
465396 2008 GA_{46}	17.1	X	352.45450	256.88393	59.68453	15.40705	0.1267108	0.23955513	2.5676297	21	8 19.2	20.1
465397 2008 GH_{64}	17.7	X	45.56205	34.48296	198.55825	4.58355	0.2500173	0.23418497	2.6067339	21	8 3.9	20.6
465398 2008 GF_{72}	18.5	X	144.70187	308.49150	231.71730	0.61745	0.1315622	0.25119316	2.4876971	21	9 7.9	22.3
465399 2008 GD_{75}	17.5	X	15.76345	193.34908	86.07145	6.36283	0.2497420	0.23613990	2.5923271	21	8 17.1	19.6
465400 2008 GM_{108}	16.2	X	279.35244	314.57077	36.54486	12.67759	0.1931679	0.23965501	2.5669163	21	5 16.7	19.8
465401 2008 GS_{110}	18.1	X	2.09309	60.33366	158.02601	23.40918	0.0753797	0.37499462	1.9045221	21	3 14.0	19.4
465402 2008 HW_{1}	17.3	X	51.11006	250.47047	127.71009	10.48514	0.9600290	0.23685951	2.5870739	21	3 22.9	19.7
465403 2008 HK_{19}	17.4	X	333.83233	287.44689	19.87983	1.92670	0.0668942	0.23795231	2.5791470	21	6 27.2	20.3
465404 2008 HQ_{46}	17.5	X	33.81540	182.66921	105.24932	4.31586	0.1823268	0.23988987	2.5652406	21	9 25.5	20.3
465405 2008 HZ_{46}	17.0	X	82.50945	188.92435	53.59180	14.41818	0.1853677	0.24302950	2.5430997	21	10 5.2	20.9
465406 2008 HR_{67}	17.8	X	63.70942	231.93503	36.48498	2.03571	0.1992017	0.24319379	2.5419542	21	10 12.4	21.3
465407 2008 JG_{5}	16.7	X	138.96031	75.10875	4.71279	22.13037	0.0602934	0.23147397	2.6270476	21	4 10.3	20.5
465408 2008 JM_{10}	17.8	X	19.16742	132.69860	161.89470	6.23678	0.1919017	0.24063078	2.5599723	21	9 7.4	20.1
465409 2008 JM_{11}	17.9	X	60.55472	205.89888	66.31173	7.25375	0.2137502	0.24276991	2.5449123	21	10 18.1	21.4
465410 2008 JN_{40}	17.5	X	56.05351	83.70112	165.90537	8.90610	0.1260290	0.23758370	2.5818140	21	8 24.3	20.6
465411 2008 KP_{1}	17.2	X	68.48143	100.45088	164.66317	6.02999	0.1847566	0.24259937	2.5461048	21	10 12.9	20.8
465412 2008 KC_{3}	17.2	X	145.16762	61.58846	113.53357	8.38205	0.1490531	0.24445219	2.5332230	21	9 5.2	21.2
465413 2008 KK_{3}	17.3	X	309.65066	141.36729	192.23135	5.72857	0.2037165	0.23006627	2.6377528	21	6 5.5	20.4
465414 2008 KM_{15}	17.2	X	49.39322	202.27992	94.80195	16.74167	0.1113933	0.24569826	2.5246509	21	10 27.4	20.8
465415 2008 KK_{18}	17.0	X	146.75715	58.85108	102.06444	16.68028	0.1812835	0.24414873	2.5353216	21	8 21.9	21.3
465416 2008 KC_{36}	17.0	X	46.67016	127.78481	124.49916	14.27708	0.1393520	0.23550355	2.5969948	21	8 18.1	20.0
465417 2008 KR_{41}	16.7	X	53.60909	124.73880	91.93448	22.85315	0.0362230	0.23270131	2.6178022	21	6 22.2	20.0
465418 2008 MZ_{1}	17.6	X	59.68861	75.21376	181.94087	12.55566	0.1023440	0.24016745	2.5632637	21	9 4.7	20.8
465419 2008 OW_{3}	17.3	X	18.28509	132.85643	156.52523	12.99662	0.2873579	0.22918908	2.6444789	21	9 12.7	19.5
465420 2008 OQ_{20}	18.0	X	329.36744	155.38174	158.60516	2.04807	0.2254105	0.22115281	2.7081606	21	6 9.5	20.6
465421 2008 PF	16.4	X	53.40821	82.72717	210.71713	24.02970	0.3410019	0.23569412	2.5955947	21	11 19.5	20.4
465422 2008 PL_{2}	18.2	X	230.94375	144.53126	134.27221	24.77626	0.0544136	0.34845349	2.0000438	21	—	—
465423 2008 PA_{4}	16.6	X	13.80712	143.07193	150.34487	13.01787	0.1795746	0.22666485	2.6640760	21	8 21.8	19.2
465424 2008 PW_{6}	16.7	X	328.24112	76.25438	242.70338	11.68698	0.1836203	0.22206822	2.7007131	21	6 20.2	19.6
465425 2008 PK_{15}	17.5	X	327.11172	344.35920	335.13371	4.42141	0.1043245	0.22271857	2.6954530	21	6 30.3	20.6
465426 2008 PM_{21}	16.9	X	359.77870	243.53948	65.92659	8.70574	0.3270578	0.22692122	2.6620690	21	9 3.1	18.6
465427 2008 QT_{21}	16.5	X	341.95990	46.93915	287.16349	8.21957	0.1703057	0.22500095	2.6771938	21	8 11.4	19.2
465428 2008 QY_{43}	16.4	X	353.53039	272.44664	61.78119	13.55989	0.2995361	0.22785689	2.6547764	21	9 28.2	18.4
465429 2008 QX_{44}	16.9	X	282.46350	163.30207	170.43976	11.84560	0.1846243	0.21264444	2.7799268	21	5 5.6	21.1
465430 2008 RR_{5}	16.7	X	67.71623	272.78399	174.62676	14.77187	0.1994430	0.18163749	3.0879177	21	2 15.4	20.4
465431 2008 RF_{35}	16.2	X	65.61323	83.69717	355.74394	24.96661	0.2587589	0.17930746	3.1146110	21	2 22.1	19.9
465432 2008 RX_{38}	16.6	X	78.07406	94.61906	0.38331	10.05152	0.1302218	0.18785863	3.0193627	21	3 5.8	20.5
465433 2008 RE_{62}	17.2	X	199.32470	183.24096	200.40421	1.51469	0.0790054	0.20368210	2.8608877	21	4 16.4	21.3
465434 2008 RQ_{63}	16.9	X	154.97909	356.37471	1.98923	14.57323	0.1260141	0.18760222	3.0221133	21	2 9.7	21.7
465435 2008 RL_{69}	16.9	X	96.22309	166.92960	308.65625	4.14119	0.0472925	0.19648211	2.9303581	21	4 8.2	20.9
465436 2008 RL_{88}	16.5	X	94.15845	87.21368	314.29280	7.06805	0.2410721	0.17928889	3.1148260	21	2 5.3	20.5
465437 2008 RT_{100}	16.6	X	290.13569	334.45992	353.14902	12.53402	0.1274315	0.20978788	2.8051050	21	5 7.8	20.6
465438 2008 RZ_{105}	16.4	X	170.77837	359.22919	25.41682	12.16825	0.1900031	0.19047223	2.9916786	21	3 27.9	21.3
465439 2008 RG_{107}	16.2	X	66.87447	224.17693	199.47131	17.04706	0.2020515	0.17427939	3.1742322	21	1 15.4	20.3
465440 2008 RW_{112}	16.9	X	157.94343	193.04643	212.46135	8.89399	0.0752308	0.19535313	2.9416373	21	3 29.2	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465441 2008 RK_{116}	16.8	X	235.69678	169.44019	196.04096	15.22534	0.1470611	0.20204361	2.8763339	21	4 29.4	21.3
465442 2008 RH_{123}	17.3	X	239.04139	158.11629	187.31384	1.71370	0.0848566	0.20332871	2.8642015	21	4 11.4	21.5
465443 2008 RS_{134}	16.9	X	12.24767	301.99101	355.80221	12.81685	0.2634038	0.22755038	2.6571598	21	9 7.8	19.0
465444 2008 RU_{134}	16.3	X	273.39581	198.75493	148.34425	21.91908	0.1682271	0.21052564	2.7985478	21	5 17.9	20.9
465445 2008 RS_{138}	16.3	X	41.50218	252.61153	199.31224	25.50388	0.0686623	0.17679188	3.1440866	21	—	—
465446 2008 SE_{20}	17.3	X	300.81129	127.02849	196.21522	4.60871	0.1717940	0.21555861	2.7548152	21	5 14.9	20.9
465447 2008 SE_{22}	17.2	X	266.42779	6.45971	323.51947	4.43207	0.1218331	0.20871030	2.8147519	21	4 15.7	21.5
465448 2008 SV_{23}	17.2	X	1.65022	128.65164	174.05483	4.69121	0.0859627	0.22244112	2.6976939	21	8 4.4	20.2
465449 2008 SZ_{26}	16.5	X	115.76524	205.87498	192.71680	7.94978	0.0750406	0.18533635	3.0466950	21	2 1.7	20.9
465450 2008 SE_{30}	16.2	X	72.28434	243.71242	193.34545	26.12100	0.3462483	0.17712504	3.1401428	21	3 4.6	20.3
465451 2008 SZ_{41}	16.9	X	283.89637	133.12551	173.38779	10.34385	0.0870654	0.20580199	2.8412079	21	4 15.7	20.9
465452 2008 SY_{44}	16.5	X	169.88289	6.43701	16.68076	6.84295	0.1889716	0.19205057	2.9752649	21	3 23.6	21.4
465453 2008 SG_{72}	16.3	X	318.05443	15.02187	294.19257	8.95588	0.2434048	0.21482013	2.7611250	21	5 6.2	19.7
465454 2008 SB_{83}	16.8	X	60.18968	38.94178	219.18097	12.71948	0.2193790	0.23107911	2.6300394	21	9 22.3	20.5
465455 2008 SU_{97}	17.1	X	338.65131	96.24671	207.43589	7.26119	0.2587741	0.21686302	2.7437574	21	6 9.6	19.6
465456 2008 SB_{99}	16.5	X	115.72936	233.92335	181.58237	9.33141	0.1188468	0.18467021	3.0540173	21	2 28.9	20.9
465457 2008 SE_{99}	16.4	X	330.21145	298.46922	34.08703	13.13440	0.2354708	0.21877144	2.7277777	21	7 10.6	19.3
465458 2008 SD_{101}	16.7	X	175.59505	210.68418	177.19983	10.67794	0.1077832	0.19311607	2.9643111	21	3 30.7	21.2
465459 2008 SF_{104}	16.7	X	209.48259	140.23382	205.20321	5.40595	0.1289864	0.19245843	2.9710601	21	3 10.4	21.4
465460 2008 SH_{119}	17.1	X	216.74721	349.21701	24.64676	11.70368	0.0800822	0.19919601	2.9036814	21	4 22.2	21.5
465461 2008 SO_{123}	17.0	X	193.31365	136.53828	208.85458	9.28292	0.1118440	0.18902184	3.0069628	21	2 22.1	21.9
465462 2008 SK_{125}	16.6	X	293.71827	11.94704	215.30618	8.91404	0.0321517	0.18338082	3.0683162	21	1 25.7	21.2
465463 2008 SB_{128}	16.8	X	132.60148	33.93789	13.75685	11.06859	0.0509044	0.18663539	3.0325413	21	3 6.7	21.2
465464 2008 SV_{129}	16.3	X	56.82544	254.37867	223.64150	8.75077	0.0459534	0.18414350	3.0598381	21	2 18.4	20.5
465465 2008 SH_{131}	16.6	X	158.99175	349.64257	13.59486	8.92933	0.1115353	0.18439341	3.0570728	21	2 16.7	21.3
465466 2008 SD_{142}	16.6	X	160.70693	354.51751	40.54662	10.41226	0.1449120	0.18991665	2.9975103	21	3 29.9	21.4
465467 2008 SG_{146}	16.8	X	53.81799	218.02056	222.93931	9.60773	0.2167801	0.17729234	3.1381671	21	1 15.9	20.4
465468 2008 SD_{196}	16.6	X	59.23920	247.45781	210.76227	15.24653	0.1908538	0.17718992	3.1393763	21	2 11.9	20.6
465469 2008 SL_{201}	17.0	X	37.04876	256.57753	216.86084	8.88090	0.2495072	0.17474586	3.1685808	21	1 27.0	20.2
465470 2008 SM_{256}	17.1	X	212.98075	168.90575	191.05742	10.45097	0.1562791	0.19796530	2.9157034	21	3 31.1	21.8
465471 2008 SE_{265}	16.4	X	69.01199	26.78943	48.11260	15.57369	0.2572716	0.17467041	3.1694931	21	2 22.0	20.4
465472 2008 SV_{265}	16.8	X	45.04105	259.76361	197.21429	4.52623	0.2432000	0.17396416	3.1780657	21	1 24.2	20.1
465473 2008 SP_{267}	16.5	X	350.08285	343.32642	232.25598	9.54506	0.0335842	0.19317873	2.9636700	21	3 21.1	20.6
465474 2008 SO_{270}	16.5	X	139.14919	20.17746	9.80420	15.66168	0.2786809	0.18513028	3.0489555	21	3 15.2	21.6
465475 2008 SF_{274}	16.8	X	238.13886	27.75626	327.72315	1.21908	0.0795963	0.20341784	2.8633649	21	4 22.7	21.1
465476 2008 SB_{279}	16.7	X	190.50845	141.50905	215.03276	7.56834	0.0273786	0.19088660	2.9873475	21	3 2.4	21.1
465477 2008 SK_{281}	16.8	X	160.32947	114.14295	265.88233	2.76762	0.0992889	0.18355381	3.0663881	21	3 4.3	21.5
465478 2008 SP_{299}	16.7	X	128.61980	220.17191	184.86417	9.49454	0.1527833	0.18589738	3.0405620	21	3 6.7	21.4
465479 2008 TV_{6}	16.1	X	74.02821	203.60607	188.21011	23.90264	0.1852272	0.17432901	3.1736299	21	—	—
465480 2008 TG_{32}	16.2	X	30.78025	324.55461	193.05756	6.06140	0.0839001	0.18733285	3.0250096	21	3 7.2	19.9
465481 2008 TJ_{33}	17.1	X	302.33519	117.99594	195.44023	13.25549	0.2026646	0.20898548	2.8122805	21	4 30.4	20.8
465482 2008 TF_{62}	16.9	X	244.01826	355.95963	295.98308	0.62899	0.0453798	0.18831761	3.0144546	21	2 15.2	21.1
465483 2008 TL_{62}	16.9	X	257.50115	2.85037	313.58810	1.05113	0.0929505	0.19757244	2.9195672	21	3 25.9	21.3
465484 2008 TK_{64}	16.6	X	4.77250	124.23693	29.21843	11.89836	0.0290657	0.18208499	3.0828563	21	2 1.6	21.0
465485 2008 TW_{69}	16.5	X	126.02838	206.17559	178.28676	6.92788	0.1143502	0.18115391	3.0934107	21	2 3.3	21.1
465486 2008 TX_{74}	16.6	X	283.27417	294.55581	32.51398	10.64248	0.1630850	0.20499208	2.8486865	21	4 27.9	20.5
465487 2008 TM_{79}	16.7	X	51.43043	69.36942	38.38907	16.61945	0.2318307	0.17589714	3.1547397	21	3 2.3	20.4
465488 2008 TU_{84}	17.4	X	318.44859	294.99175	5.98287	1.43883	0.2724563	0.21266447	2.7797523	21	4 23.4	20.8
465489 2008 TQ_{89}	17.1	X	156.81237	185.94172	204.25217	1.90426	0.1651562	0.18895977	3.0076213	21	3 18.1	21.8
465490 2008 TE_{97}	14.2	X	107.12790	80.88970	211.61929	18.69545	0.0587384	0.08423602	5.1539178	21	11 20.0	21.3
465491 2008 TP_{103}	17.2	X	210.86091	320.64453	45.23768	3.31228	0.0844330	0.19714039	2.9238313	21	4 7.9	21.5
465492 2008 TF_{112}	16.4	X	176.50859	17.02267	10.18779	15.89874	0.1877524	0.19330251	2.9624047	21	4 1.5	21.3
465493 2008 TS_{114}	16.3	X	145.39235	331.93015	50.42362	11.94859	0.1288015	0.18486126	3.0519127	21	3 1.8	21.1
465494 2008 TH_{142}	17.2	X	314.67383	270.65315	26.91834	8.29152	0.1906120	0.21035436	2.8000667	21	4 26.3	20.5
465495 2008 TV_{162}	17.1	X	78.26329	19.57523	22.09240	5.34608	0.1704934	0.17469564	3.1691880	21	1 5.9	21.1
465496 2008 TX_{167}	16.6	X	13.57180	328.65128	237.68011	6.98158	0.0882267	0.19764491	2.9188535	21	4 10.9	20.2
465497 2008 TV_{176}	16.5	X	125.97169	351.28385	69.58000	9.81265	0.0816345	0.18487436	3.0517685	21	3 20.9	21.0
465498 2008 TT_{177}	16.1	X	170.88158	108.22232	241.24625	25.47879	0.2091315	0.18536134	3.0464211	21	2 4.1	21.7
465499 2008 TF_{189}	15.7	X	69.25405	73.39788	5.78375	9.47657	0.0623441	0.17855282	3.1233806	21	1 27.7	20.0
465500 2008 UZ	16.7	X	101.83574	11.52421	49.71787	5.16176	0.2721281	0.18270137	3.0759186	21	3 16.4	21.2
465501 2008 UR_{15}	17.2	X	208.41256	30.27121	329.25365	3.99771	0.0953631	0.19658843	2.9293015	21	3 26.3	21.8
465502 2008 UZ_{32}	16.2	X	67.44726	268.92906	209.75652	10.64739	0.0731962	0.18432448	3.0578349	21	3 9.1	20.3
465503 2008 UX_{34}	16.9	X	211.54593	297.00657	32.53311	8.06591	0.0591518	0.18961056	3.0007354	21	2 27.8	21.4
465504 2008 UA_{41}	16.1	X	142.75062	342.27768	42.46439	17.70118	0.2601116	0.18399880	3.0614421	21	3 16.4	21.4
465505 2008 UL_{47}	15.8	X	232.23405	44.68603	241.84105	17.28454	0.0717460	0.17927703	3.1149634	21	1 21.8	20.8
465506 2008 US_{65}	16.5	X	206.53244	186.16265	152.47554	9.57749	0.0073774	0.18968346	2.9999665	21	3 2.7	20.7
465507 2008 UP_{73}	16.2	X	10.73607	109.69709	43.41315	26.55577	0.1698797	0.17428545	3.1741586	21	2 11.5	20.5
465508 2008 UM_{74}	16.1	X	65.17044	121.20841	32.15596	11.68296	0.0522550	0.18899161	3.0072835	21	4 19.3	20.0
465509 2008 UV_{82}	16.7	X	86.74128	51.86587	23.35195	10.13210	0.0966304	0.17810395	3.1286262	21	2 20.8	21.0
465510 2008 UT_{89}	17.2	X	151.89243	335.90300	70.95067	4.46232	0.0596078	0.19035588	2.9928975	21	3 27.1	21.6
465511 2008 UZ_{112}	16.8	X	212.36761	95.23388	236.20744	9.54907	0.0571756	0.18777716	3.0202359	21	2 23.5	21.6
465512 2008 UV_{127}	16.1	X	77.60852	39.86183	65.40964	16.70483	0.0594425	0.18055925	3.1001989	21	3 17.6	20.7
465513 2008 UO_{128}	16.5	X	338.45982	241.80896	79.88226	5.23632	0.3418688	0.21948994	2.7218215	21	6 24.8	18.4
465514 2008 UU_{131}	16.1	X	79.61140	62.54111	37.05953	10.54022	0.0517750	0.18367021	3.0650924	21	3 7.1	20.4
465515 2008 UB_{136}	16.4	X	106.06787	49.45311	44.28753	6.95077	0.1224555	0.18713510	3.0271402	21	4 8.8	20.6
465516 2008 UO_{137}	16.0	X	70.11145	19.00281	44.45168	9.88560	0.0823016	0.17413974	3.1759291	21	1 10.9	20.3
465517 2008 UD_{139}	17.2	X	215.67619	150.89170	220.74853	1.02873	0.1089641	0.19627778	2.9323915	21	4 18.2	21.6
465518 2008 UA_{146}	16.9	X	205.91308	195.99447	166.14272	2.21897	0.1548899	0.19274251	2.9681399	21	3 28.3	21.6
465519 2008 UC_{151}	16.0	X	44.35535	247.72836	230.58944	20.86931	0.1534554	0.17597813	3.1537717	21	2 5.1	20.2
465520 2008 UG_{154}	16.6	X	80.55108	224.35094	232.17651	9.66912	0.1105785	0.18030960	3.1030598	21	3 3.7	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465521 2008 UR_{166}	16.5	X	162.05541	342.64914	48.32341	10.86567	0.1074231	0.18846504	3.0128824	21	3 25.3	21.2
465522 2008 UL_{177}	16.2	X	15.75979	265.10888	229.23012	9.70164	0.0342332	0.17881152	3.1203673	21	1 16.9	20.6
465523 2008 UZ_{179}	16.6	X	47.64555	69.71001	43.18924	16.37475	0.2251129	0.17432378	3.1736934	21	3 1.3	20.3
465524 2008 UC_{183}	16.4	X	77.02724	24.57053	66.49497	4.73859	0.1385590	0.18154093	3.0890126	21	3 2.3	20.4
465525 2008 UL_{187}	16.4	X	84.76230	227.63201	199.11621	3.53530	0.0942419	0.17427492	3.1742865	21	2 2.7	20.7
465526 2008 UG_{192}	16.2	X	68.23481	10.59180	63.34065	10.26606	0.2333483	0.17357299	3.1828386	21	2 12.1	20.1
465527 2008 UH_{196}	16.7	X	73.64112	31.78391	63.84602	9.34811	0.2071048	0.18289398	3.0737587	21	3 15.6	20.6
465528 2008 US_{205}	16.2	X	73.59504	336.30787	137.09445	18.38262	0.1918760	0.17811095	3.1285443	21	4 6.7	20.5
465529 2008 UR_{233}	15.9	X	261.65763	263.99491	10.56707	9.39411	0.0377447	0.18419506	3.0592671	21	2 19.2	20.3
465530 2008 UU_{236}	16.3	X	82.85811	194.96178	247.65225	10.92914	0.0892908	0.18053662	3.1004580	21	2 13.9	20.7
465531 2008 UW_{248}	16.0	X	9.11357	130.26684	73.08436	12.75326	0.0819753	0.18576691	3.0419856	21	4 10.3	20.0
465532 2008 UL_{252}	16.3	X	81.41646	227.75932	221.44291	14.19246	0.1047748	0.18118269	3.0930831	21	2 21.7	20.7
465533 2008 UJ_{262}	16.6	X	198.94464	334.56575	32.02931	12.92021	0.1936283	0.19091229	2.9870796	21	3 30.6	21.7
465534 2008 UR_{265}	16.9	X	151.26672	18.68353	20.81970	9.47111	0.1339071	0.18840715	3.0134995	21	3 23.9	21.6
465535 2008 UQ_{267}	17.0	X	144.32317	190.36267	199.85132	1.09837	0.1020983	0.18488881	3.0516095	21	2 28.9	21.5
465536 2008 UU_{279}	17.2	X	96.09491	24.81116	64.79611	2.57617	0.1312254	0.18500571	3.0503239	21	3 23.3	21.4
465537 2008 UM_{285}	16.2	X	115.03132	346.19471	66.21638	11.36898	0.1453248	0.17937822	3.1137918	21	3 7.9	20.9
465538 2008 UX_{285}	16.3	X	36.81377	83.43774	43.92551	8.57891	0.1310180	0.17921064	3.1157327	21	2 14.5	20.1
465539 2008 UM_{306}	16.9	X	292.65839	245.29115	30.22682	10.60335	0.0634176	0.19121557	2.9839203	21	3 24.7	21.1
465540 2008 UC_{322}	16.3	X	19.36335	282.24607	246.13736	8.93917	0.0553751	0.18841739	3.0133903	21	2 28.5	20.4
465541 2008 UP_{348}	16.2	X	61.46313	245.12720	245.07308	9.42830	0.0752312	0.18552301	3.0446511	21	3 13.8	20.4
465542 2008 UF_{349}	16.9	X	119.11126	206.61074	195.45378	2.21184	0.1763510	0.18018529	3.1044869	21	2 25.3	21.4
465543 2008 UJ_{349}	16.9	X	80.96453	328.10947	111.54166	2.53909	0.1254099	0.17727228	3.1384039	21	2 18.8	20.9
465544 2008 UE_{353}	16.8	X	199.11174	138.98831	225.67001	4.76642	0.1556601	0.18985926	2.9981144	21	3 23.7	21.8
465545 2008 UH_{369}	15.9	X	128.74136	355.70525	39.07399	21.18845	0.2354778	0.18065912	3.0990563	21	3 16.3	21.1
465546 2008 VP_{7}	16.0	X	50.15419	214.06814	237.25686	15.58918	0.2886664	0.17535886	3.1611922	21	1 27.4	19.4
465547 2008 VN_{12}	16.4	X	86.68047	352.56007	83.71263	11.92495	0.1998325	0.17769384	3.1334382	21	3 10.5	20.8
465548 2008 VG_{40}	18.3	X	312.01903	89.28465	344.77345	5.51393	0.1087382	0.30546711	2.1835329	21	12 3.3	20.1
465549 2008 VD_{41}	16.7	X	93.23085	115.89229	305.61183	5.71076	0.1600221	0.17768547	3.1335366	21	2 15.9	20.8
465550 2008 VF_{45}	16.5	X	20.35936	294.81258	197.56343	11.19741	0.1381244	0.17364955	3.1819030	21	1 18.9	20.5
465551 2008 VR_{48}	16.1	X	135.56961	169.67616	244.61545	7.82840	0.0055327	0.18270925	3.0758302	21	3 5.9	20.7
465552 2008 VE_{63}	16.3	X	175.66912	130.03592	224.50630	9.85904	0.0706171	0.18354517	3.0664842	21	2 13.6	21.2
465553 2008 VC_{66}	16.9	X	91.94189	331.70299	106.72205	6.42615	0.1152795	0.17867710	3.1219321	21	3 4.0	21.2
465554 2008 WR_{11}	15.8	X	135.08282	164.74368	227.88533	9.23597	0.0585090	0.18113085	3.0936732	21	2 13.9	20.5
465555 2008 WQ_{18}	16.9	X	43.04157	64.10189	39.99885	5.69036	0.1129798	0.17639030	3.1488568	21	1 23.6	20.8
465556 2008 WP_{31}	15.4	X	334.57079	316.15859	261.97740	15.25564	0.1314607	0.17951975	3.1121550	21	2 17.9	19.7
465557 2008 WW_{35}	16.2	X	100.49990	202.24632	239.66313	6.98343	0.1434240	0.18156960	3.0886874	21	3 17.1	20.6
465558 2008 WX_{36}	16.5	X	65.87614	230.31090	233.72489	4.00895	0.1205963	0.17778535	3.1323628	21	2 24.3	20.6
465559 2008 WT_{46}	15.5	X	314.48609	331.74846	256.01511	14.12364	0.0322864	0.18001751	3.1064155	21	2 17.1	20.1
465560 2008 WD_{68}	16.5	X	97.61156	169.24989	233.16269	3.78788	0.2379425	0.17431547	3.1737942	21	2 9.7	20.9
465561 2008 WR_{80}	16.4	X	252.98048	168.06763	92.12565	9.95753	0.0405398	0.17467633	3.1694215	21	1 22.3	21.1
465562 2008 WV_{82}	16.6	X	158.69185	317.48877	84.60185	18.81574	0.0294643	0.18507204	3.0495951	21	4 4.4	21.4
465563 2008 WS_{87}	16.6	X	19.43822	38.82413	80.49919	5.90343	0.1599341	0.17118271	3.2123987	21	1 3.4	20.3
465564 2008 WC_{92}	16.9	X	196.09094	111.62944	234.99338	3.84882	0.1418088	0.18606110	3.0387782	21	2 28.1	21.8
465565 2008 WE_{103}	15.9	X	66.25076	2.19749	77.71986	8.88911	0.1646679	0.17533138	3.1615225	21	2 4.9	19.9
465566 2008 WX_{103}	16.3	X	187.54973	0.33371	27.46369	12.32456	0.1039218	0.19228197	2.9728775	21	4 11.4	20.9
465567 2008 WD_{109}	16.2	X	175.72797	264.89330	57.50844	10.83420	0.0485087	0.17350571	3.1836614	21	1 12.2	21.0
465568 2008 WY_{109}	18.7	X	354.59418	346.31915	63.90843	4.24920	0.0979950	0.30904053	2.1666682	21	—	—
465569 2008 WH_{113}	16.3	X	128.13940	332.71302	76.19245	9.87623	0.1173125	0.18055242	3.1002770	21	3 13.8	21.0
465570 2008 WA_{114}	15.5	X	345.32742	281.62690	252.62652	14.68052	0.1372971	0.17149423	3.2085073	21	1 15.3	19.8
465571 2008 WE_{122}	17.1	X	75.01120	250.02244	187.25163	1.11919	0.1805792	0.17569905	3.1571105	21	2 14.4	21.1
465572 2008 WZ_{130}	15.7	X	151.52876	167.57678	261.74751	11.20842	0.1368209	0.18855892	3.0118823	21	4 24.6	20.6
465573 2008 WA_{131}	16.4	X	166.53315	270.39760	69.58621	12.54904	0.0550981	0.17365948	3.1817817	21	1 24.3	21.3
465574 2008 WG_{138}	16.2	X	113.07321	327.70299	75.25961	11.05660	0.2152754	0.17702719	3.1412999	21	3 3.0	21.0
465575 2008 WB_{139}	15.8	X	102.51904	276.56090	112.08010	5.87973	0.1594670	0.17128433	3.2111281	21	1 21.6	20.2
465576 2008 XV_{13}	16.2	X	151.86988	345.60624	34.12390	10.99369	0.0750042	0.18177817	3.0863244	21	2 27.8	20.9
465577 2008 XA_{51}	16.3	X	63.40263	13.29276	95.64533	6.50288	0.1374292	0.17265822	3.1940708	21	3 6.8	20.4
465578 2008 YZ_{14}	16.0	X	132.29966	156.98951	250.53812	7.40548	0.0421848	0.18079515	3.0975015	21	2 26.8	20.5
465579 2008 YT_{26}	16.1	X	151.94632	172.73668	238.99712	15.27648	0.0931328	0.18455726	3.0552632	21	3 29.9	20.9
465580 2008 YE_{42}	16.0	X	157.73458	276.22812	63.76405	10.20373	0.1326442	0.17374014	3.1807969	21	1 21.3	21.0
465581 2008 YD_{59}	18.3	X	246.56656	87.27884	71.39302	2.96631	0.0217872	0.30167797	2.2017786	21	12 28.0	20.7
465582 2008 YO_{80}	16.0	X	266.68124	340.08437	312.44401	8.45255	0.0663120	0.17595345	3.1540666	21	3 9.9	20.7
465583 2008 YQ_{85}	16.2	X	71.43673	174.22228	236.60000	4.15265	0.1172391	0.16844697	3.2470869	21	1 1.0	20.3
465584 2008 YR_{118}	18.2	X	193.29380	229.26168	310.19507	1.68640	0.1473612	0.28915809	2.2648832	21	10 28.1	21.4
465585 2008 YG_{130}	16.2	X	288.31387	198.61536	101.83971	17.93543	0.0962580	0.18491482	3.0513234	21	4 21.5	20.8
465586 2008 YB_{132}	18.5	X	325.73452	336.63264	85.33086	4.78877	0.1423921	0.30027234	2.2086446	21	12 12.9	19.9
465587 2008 YK_{142}	16.1	X	203.18533	281.00468	107.89826	5.89168	0.1061394	0.18646896	3.0343454	21	4 30.1	20.9
465588 2008 YG_{162}	18.7	X	254.78991	17.91358	146.14219	2.20544	0.0902647	0.30250756	2.1977514	21	—	—
465589 2008 YR_{172}	18.3	X	205.84244	50.23652	108.97165	6.18551	0.0720045	0.28934046	2.2639314	21	10 27.1	21.2
465590 2009 AR_{35}	18.0	X	90.21057	48.97136	283.95628	6.80777	0.1211414	0.30596368	2.1811698	21	—	—
465591 2009 AE_{43}	18.3	X	299.91382	325.93566	118.94078	4.88833	0.1262227	0.29662872	2.2266942	21	11 25.5	20.1
465592 2009 AZ_{44}	18.5	X	194.79476	266.90047	317.49820	3.61442	0.1989277	0.29685720	2.2255516	21	12 23.6	21.6
465593 2009 BL_{26}	16.2	X	332.57633	131.30041	110.85799	14.53250	0.0639913	0.17649235	3.1476429	21	4 10.0	20.7
465594 2009 BX_{26}	16.0	X	270.55299	171.21784	118.39365	25.09777	0.0385936	0.17428114	3.1742110	21	3 26.5	21.0
465595 2009 BU_{87}	17.9	X	127.25382	310.84443	319.86156	7.52789	0.0479191	0.29494769	2.2351468	21	12 19.9	20.9
465596 2009 BQ_{127}	18.1	X	3.76964	265.69772	144.68271	3.81529	0.0608731	0.29995026	2.2102253	21	—	—
465597 2009 BT_{133}	18.6	X	315.31245	132.57378	307.04886	5.15594	0.1160776	0.29829729	2.2183829	21	12 17.7	20.5
465598 2009 BL_{137}	17.9	X	187.27003	216.66968	344.62523	0.58805	0.0793075	0.29236012	2.2483157	21	11 26.6	20.8
465599 2009 BS_{141}	18.5	X	145.08552	254.11057	342.00591	3.45249	0.1100469	0.28919182	2.2647071	21	11 22.3	21.7
465600 2009 BK_{172}	18.5	X	214.35172	342.43802	162.16336	2.82649	0.1015681	0.28665266	2.2780612	21	10 11.5	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465601 2009 BE_{189}	15.8	X	131.87516	343.15082	85.57747	10.72017	0.1146395	0.17717167	3.1395919	21	4 10.9	20.6
465602 2009 CU_{10}	17.9	X	251.05797	269.11934	255.19504	3.68343	0.0674723	0.29762183	2.2217381	21	—	—
465603 2009 CW_{27}	17.6	X	146.02521	245.76219	346.14169	2.91116	0.1175190	0.28662034	2.2782325	21	11 17.5	20.9
465604 2009 CT_{43}	18.2	X	236.82594	42.45367	145.61880	3.81605	0.0909882	0.30014684	2.2092602	21	—	—
465605 2009 DV_{18}	15.9	X	112.12200	342.89731	86.87547	20.29756	0.1713672	0.18122925	3.0925533	21	4 3.1	20.8
465606 2009 DX_{22}	17.8	X	117.84173	253.86320	2.87920	4.80800	0.1580989	0.28255980	2.3000069	21	11 21.3	21.5
465607 2009 DP_{43}	17.9	X	330.86303	91.12612	326.88329	7.60585	0.1033808	0.29463158	2.2367452	21	12 11.9	20.2
465608 2009 DL_{49}	16.2	X	311.87576	28.13985	176.64554	7.75036	0.0688659	0.15326793	3.4580812	21	1 22.8	21.2
465609 2009 DN_{50}	18.2	X	163.57585	48.27730	175.93585	5.11510	0.1109646	0.28460834	2.2889570	21	11 27.6	21.5
465610 2009 DR_{53}	18.4	X	246.80744	113.11752	12.84635	3.80551	0.0914421	0.28858673	2.2678717	21	10 28.6	21.0
465611 2009 DC_{75}	17.8	X	297.51149	108.25125	340.17802	4.50973	0.1059017	0.29173380	2.2515325	21	11 23.7	19.9
465612 2009 DT_{84}	18.6	X	237.01671	75.52104	39.87249	3.47414	0.1778533	0.28330093	2.2959938	21	9 19.4	21.7
465613 2009 DS_{125}	18.7	X	147.83276	30.37934	188.01529	2.07897	0.1685589	0.27945822	2.3169934	21	11 2.3	22.1
465614 2009 DU_{130}	17.8	X	160.36584	65.88698	187.89960	4.39873	0.1515925	0.28937048	2.2637748	21	12 29.2	21.3
465615 2009 DH_{135}	17.7	X	183.65015	45.01522	159.44850	6.82882	0.1100182	0.28672644	2.2776705	21	11 24.7	20.9
465616 2009 EC	18.8	X	53.66641	226.01632	28.63042	37.66031	0.3647324	0.41925131	1.7680170	21	10 23.0	20.7
465617 2009 EK_{1}	21.4	X	94.33371	21.85192	358.39506	9.12604	0.2290020	0.71310507	1.2407959	21	—	—
465618 2009 EJ_{29}	18.2	X	175.60556	94.04344	146.89371	5.01836	0.1997056	0.28697118	2.2763753	21	12 24.3	21.7
465619 2009 FJ_{22}	18.3	X	222.70986	15.01216	191.20283	9.93223	0.3134960	0.29272925	2.2464252	21	12 15.0	21.6
465620 2009 FT_{36}	18.0	X	129.50979	181.77601	87.97504	3.66603	0.1507845	0.28502124	2.2867459	21	12 19.8	21.5
465621 2009 FQ_{42}	18.1	X	147.31853	190.47762	77.50158	5.53843	0.1451558	0.28746131	2.2737870	21	—	—
465622 2009 FS_{52}	16.1	X	313.35683	354.71289	178.17654	8.78694	0.0588521	0.15067638	3.4976198	21	—	—
465623 2009 FK_{72}	18.3	X	142.01975	81.75481	172.36429	5.49079	0.2162624	0.28249978	2.3003326	21	12 11.3	22.3
465624 2009 HK_{15}	17.6	X	113.57364	284.06096	29.83712	7.23859	0.1363985	0.29045601	2.2581310	21	—	—
465625 2009 HR_{20}	18.1	X	178.64267	133.03056	55.10177	7.17752	0.1043095	0.27871812	2.3210932	21	10 27.9	21.3
465626 2009 HD_{22}	17.8	X	109.69009	169.06236	89.03096	6.84923	0.1907764	0.27621783	2.3350790	21	11 18.8	21.5
465627 2009 HB_{23}	17.9	X	144.99382	51.53759	162.90366	5.61479	0.1678723	0.27522017	2.3407186	21	10 26.7	21.6
465628 2009 HT_{31}	17.4	X	14.74330	222.40242	144.47970	6.92510	0.1523640	0.27815607	2.3242189	21	12 16.4	20.0
465629 2009 HC_{38}	18.0	X	120.36482	148.49637	124.78642	7.04286	0.1165082	0.28342970	2.2952984	21	12 15.1	21.4
465630 2009 HH_{82}	17.4	X	95.20620	197.80639	68.24119	9.85578	0.2668730	0.26956551	2.3733393	21	11 19.6	21.4
465631 2009 HE_{93}	18.0	X	179.36326	37.72528	108.61101	3.52697	0.1839921	0.26894641	2.3769801	21	8 31.2	21.8
465632 2009 JN_{2}	17.1	X	106.45374	70.19031	210.95697	21.60392	0.1903212	0.27594014	2.3366453	21	12 11.9	21.2
465633 2009 JR_{5}	20.3	X	15.30007	309.93430	128.20992	3.94943	0.3513783	0.70304673	1.2526024	21	—	—
465634 2009 JS_{6}	18.3	X	174.97196	91.70647	144.48737	6.79829	0.0863277	0.28406884	2.2918542	21	12 26.1	21.5
465635 2009 KA_{13}	18.1	X	41.49942	198.22516	116.35517	2.94492	0.1156908	0.26796563	2.3827766	21	11 5.9	20.9
465636 2009 KS_{15}	18.1	X	145.62424	98.34475	149.55285	4.67058	0.1084359	0.27912754	2.3188230	21	12 8.1	21.5
465637 2009 KK_{17}	18.0	X	128.33003	45.62044	202.15924	5.82385	0.0796771	0.27508932	2.3414608	21	11 18.8	21.3
465638 2009 KH_{23}	17.7	X	44.38203	200.57830	122.45194	7.91578	0.1563040	0.26936955	2.3744902	21	11 28.5	20.8
465639 2009 LY_{6}	17.2	X	29.69220	22.20695	288.34558	5.54145	0.1545925	0.25497789	2.4630186	21	10 13.0	20.0
465640 2009 MN_{9}	17.1	X	14.56840	120.00642	204.08984	9.56773	0.2604391	0.25491800	2.4634044	21	10 27.9	19.2
465641 2009 PW_{3}	17.2	X	47.96681	159.77886	165.78993	11.31570	0.2379992	0.26001566	2.4311012	21	12 15.0	20.8
465642 2009 PX_{7}	17.4	X	338.61723	214.13506	162.05867	14.60576	0.1182800	0.25269709	2.4778169	21	10 19.6	20.1
465643 2009 PY_{12}	18.1	X	49.51358	147.24244	157.11557	2.86771	0.1977762	0.25374457	2.4709932	21	11 12.9	21.2
465644 2009 QG_{3}	18.0	X	69.35438	112.41129	183.46844	2.81587	0.2773232	0.26021466	2.4298617	21	12 3.4	21.7
465645 2009 QP_{3}	17.4	X	6.03766	2.77994	298.65001	7.94377	0.2021848	0.24536727	2.5269208	21	8 18.8	19.5
465646 2009 QJ_{7}	17.3	X	251.30908	50.68055	320.22669	5.73317	0.1737313	0.22820839	2.6520496	21	5 14.7	21.5
465647 2009 QM_{9}	18.4	X	45.65782	51.40074	240.17457	0.71880	0.1710655	0.25372004	2.4711525	21	10 16.3	21.3
465648 2009 QA_{23}	16.7	X	236.76106	251.87215	167.31925	21.97227	0.0465284	0.23530850	2.5984297	21	7 15.6	20.7
465649 2009 QD_{57}	17.7	X	239.08513	210.69761	180.82779	4.65403	0.1055717	0.22925977	2.6439353	21	6 6.4	21.5
465650 2009 RT_{8}	13.8	X	340.52727	24.53084	5.69630	8.73709	0.0603311	0.08316546	5.1980532	21	10 9.9	20.4
465651 2009 RN_{15}	16.8	X	296.98922	300.02003	13.93370	13.11447	0.1893380	0.22680755	2.6629584	21	4 20.2	20.4
465652 2009 RA_{35}	13.7	X	156.17092	22.70072	210.69757	20.20544	0.0218676	0.08347116	5.1853542	21	11 3.3	20.6
465653 2009 RL_{35}	17.1	X	295.30877	283.25735	25.67100	11.71365	0.1099153	0.22149897	2.7053383	21	4 25.3	20.8
465654 2009 RR_{49}	17.1	X	294.01890	336.68995	14.26419	14.09178	0.1533052	0.23153517	2.6265846	21	6 11.5	20.8
465655 2009 RU_{49}	17.0	X	185.39238	204.86140	200.41316	9.73458	0.1470820	0.21550412	2.7552795	21	4 29.8	21.4
465656 2009 RB_{50}	17.9	X	237.16612	4.96330	18.70141	1.50039	0.1324305	0.22385796	2.6862990	21	5 21.9	22.0
465657 2009 RU_{54}	17.1	X	308.36653	306.42300	28.93551	13.98464	0.2231460	0.23222171	2.6214053	21	5 29.4	20.4
465658 2009 RX_{62}	13.2	X	328.10673	34.08796	12.22159	33.33117	0.1191325	0.08196553	5.2486614	21	10 7.7	19.6
465659 2009 RE_{72}	16.6	X	115.64163	99.27579	25.79154	10.85937	0.1532197	0.21475191	2.7617097	21	5 27.7	20.7
465660 2009 RJ_{72}	17.1	X	124.05689	94.33588	14.26221	15.32173	0.1875144	0.21357140	2.7718772	21	5 17.2	21.6
465661 2009 RC_{73}	17.5	X	202.99204	141.20488	241.10175	5.00304	0.0367099	0.21706074	2.7420910	21	4 16.8	21.3
465662 2009 SD_{13}	17.2	X	223.79829	280.95079	179.93294	22.24845	0.0411697	0.24176292	2.5519741	21	8 24.2	20.8
465663 2009 SD_{44}	16.9	X	165.31309	75.77340	356.11569	7.50046	0.2088469	0.21363068	2.7713644	21	5 13.3	21.7
465664 2009 SL_{47}	17.3	X	344.63864	325.88188	335.74193	3.38324	0.2145127	0.23426826	2.6061161	21	6 26.2	19.4
465665 2009 SV_{50}	17.3	X	147.51904	270.40651	173.48936	7.37771	0.2397618	0.21501122	2.7594888	21	5 18.7	22.0
465666 2009 SP_{51}	17.1	X	214.89779	51.00634	332.08239	11.80174	0.2263959	0.22146463	2.7056179	21	4 20.6	22.0
465667 2009 SE_{69}	16.7	X	226.22436	309.09789	45.06246	6.70972	0.2341471	0.21652748	2.7465913	21	4 2.5	21.5
465668 2009 SG_{76}	17.2	X	326.05510	251.73110	56.55372	9.22778	0.1158979	0.22898129	2.6460785	21	6 9.3	20.2
465669 2009 SV_{76}	17.2	X	339.94368	239.36060	48.81869	12.25657	0.0522406	0.22569162	2.6717291	21	6 9.4	20.6
465670 2009 SD_{80}	18.3	X	354.70815	151.35245	172.13490	4.14180	0.1425204	0.24478696	2.5309129	21	8 26.5	20.6
465671 2009 SK_{91}	17.5	X	327.16935	125.93676	203.77318	8.86965	0.2063555	0.23582872	2.5946070	21	6 30.5	20.2
465672 2009 SD_{105}	16.8	X	184.91738	79.46730	4.18700	14.78834	0.0602811	0.22588660	2.6701914	21	6 13.7	21.0
465673 2009 SM_{108}	17.6	X	241.20345	331.29269	48.45348	4.63051	0.2386293	0.22253052	2.6969713	21	5 12.7	22.1
465674 2009 SL_{136}	16.7	X	35.02131	218.37596	18.53544	11.67000	0.0712883	0.22607620	2.6686984	21	6 26.7	20.2
465675 2009 SC_{138}	17.1	X	222.41046	339.89350	19.97098	7.01175	0.0563883	0.21449452	2.7639186	21	4 11.5	21.1
465676 2009 ST_{160}	18.4	X	98.90630	248.33326	201.99192	21.11072	0.1189841	0.37158777	1.9161453	21	2 11.1	20.5
465677 2009 SY_{193}	16.5	X	243.65448	7.23531	359.67721	9.86732	0.0842747	0.22367064	2.6877986	21	5 8.8	20.5
465678 2009 SY_{194}	17.9	X	209.35178	151.39234	245.46878	1.85745	0.0889067	0.22127645	2.7071516	21	5 12.2	22.0
465679 2009 SC_{203}	17.3	X	245.25601	199.58761	158.37606	4.85150	0.0611392	0.22019602	2.7159998	21	5 6.8	21.1
465680 2009 SE_{203}	17.2	X	340.41326	303.32426	28.65129	15.28786	0.1416379	0.23836607	2.5761616	21	8 19.1	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465681 2009 SD_{205}	17.2	X	247.86201	317.33560	21.61883	6.27758	0.0635786	0.21572263	2.7534186	21	4 13.6	21.2
465682 2009 SC_{208}	16.9	X	211.47181	236.49453	202.48678	10.17262	0.0395364	0.23041389	2.6350990	21	7 10.2	20.8
465683 2009 SV_{212}	17.0	X	241.26275	183.35085	194.91248	13.35546	0.1602552	0.22360102	2.6883565	21	5 18.8	21.3
465684 2009 SA_{213}	16.9	X	14.12838	243.13017	26.63684	12.24276	0.0695641	0.23008128	2.6376380	21	7 11.8	20.3
465685 2009 SR_{215}	17.2	X	183.08011	220.60016	190.45934	3.96864	0.1243128	0.21829664	2.7317315	21	5 3.9	21.5
465686 2009 SD_{233}	16.3	X	276.85328	346.94921	41.42013	15.71707	0.2678089	0.23289507	2.6163501	21	6 23.1	20.3
465687 2009 SC_{236}	16.7	X	228.76469	257.61449	122.70124	9.20250	0.2868605	0.22416239	2.6838664	21	5 4.4	21.6
465688 2009 SE_{258}	14.2	X	16.96041	177.95684	180.84410	20.03147	0.0624556	0.08549067	5.1033683	21	10 24.2	20.8
465689 2009 SO_{269}	17.3	X	260.92366	177.82078	188.92409	9.76753	0.0971360	0.22717393	2.6600945	21	6 1.2	21.2
465690 2009 SX_{269}	17.6	X	229.13954	4.85710	17.42657	12.12328	0.1431535	0.22275175	2.6951853	21	5 8.3	21.9
465691 2009 SC_{271}	17.0	X	75.19650	273.63262	327.31868	4.50161	0.2153134	0.23889657	2.5723463	21	9 20.1	20.7
465692 2009 SC_{281}	17.2	X	318.20862	175.99324	161.82977	17.61982	0.1581041	0.23798746	2.5788931	21	7 3.4	20.5
465693 2009 SY_{285}	17.9	X	247.79779	205.75854	176.91157	4.07096	0.1491343	0.22886686	2.6469604	21	5 31.2	21.9
465694 2009 ST_{286}	17.1	X	219.86734	155.58827	238.33116	7.12838	0.0556722	0.22199146	2.7013356	21	5 22.3	21.0
465695 2009 SQ_{288}	17.1	X	263.00365	347.97087	20.86963	8.12954	0.2422550	0.22876424	2.6477519	21	5 16.6	21.2
465696 2009 SU_{303}	16.8	X	278.10079	324.38980	43.38833	14.09501	0.1888094	0.23122374	2.6289426	21	6 7.4	20.6
465697 2009 SE_{338}	16.8	X	181.49790	350.44628	24.83010	12.52565	0.1531997	0.21229842	2.7829466	21	3 23.5	21.3
465698 2009 SZ_{341}	17.2	X	255.67606	157.96220	212.51409	7.97255	0.0931587	0.22558636	2.6725602	21	5 30.7	21.0
465699 2009 SC_{352}	18.0	X	167.01530	117.19602	237.85245	20.78356	0.1506702	0.37172023	1.9156901	21	1 8.4	20.6
465700 2009 SN_{354}	16.7	X	326.72848	303.71489	46.39810	12.58077	0.0897885	0.23106804	2.6301234	21	8 21.5	20.0
465701 2009 SM_{355}	16.4	X	342.64925	234.60477	49.24372	10.38236	0.0283157	0.21893184	2.7264452	21	6 9.7	20.0
465702 2009 TN_{22}	16.4	X	203.67228	110.37835	262.08778	8.40260	0.2553545	0.21398459	2.7683078	21	4 1.3	21.5
465703 2009 TH_{25}	17.7	X	316.51612	142.17558	205.20223	9.08989	0.2232290	0.23675421	2.5878409	21	7 2.8	20.6
465704 2009 TB_{32}	17.0	X	159.19255	5.37604	38.18347	10.18087	0.2301245	0.20966426	2.8062075	21	4 9.7	21.7
465705 2009 TN_{35}	17.5	X	295.88840	308.03541	55.14945	5.96386	0.2871841	0.23323862	2.6137802	21	6 10.9	20.9
465706 2009 TK_{41}	17.7	X	47.42656	285.34027	230.09746	19.71481	0.0802275	0.37416702	1.9073294	21	2 9.7	19.8
465707 2009 TR_{45}	17.2	X	298.47797	202.21989	158.29272	12.66184	0.2061913	0.23411089	2.6072838	21	6 25.3	20.6
465708 2009 UW_{5}	16.9	X	274.97424	312.09930	59.11489	9.23253	0.2218183	0.22946254	2.6423774	21	6 5.2	20.6
465709 2009 UX_{9}	17.5	X	141.59095	2.37452	79.69700	4.69696	0.0696685	0.21401206	2.7680710	21	4 26.4	21.4
465710 2009 UG_{20}	16.6	X	162.44156	111.03008	260.43440	14.04733	0.2753709	0.20182854	2.8783770	21	2 27.9	21.9
465711 2009 UM_{32}	16.6	X	120.04734	226.30377	222.98581	12.57233	0.1928925	0.20388609	2.8589791	21	4 24.1	21.0
465712 2009 UU_{38}	17.6	X	292.79083	182.68437	175.24151	2.49560	0.1345200	0.22819230	2.6521743	21	6 24.8	21.1
465713 2009 UA_{62}	16.9	X	237.27920	331.72438	32.67974	12.09691	0.1267364	0.22164458	2.7041533	21	4 27.7	20.9
465714 2009 UK_{63}	17.5	X	262.00775	158.19616	170.51134	6.55079	0.0277302	0.21674928	2.7447172	21	4 23.8	21.3
465715 2009 UT_{66}	17.6	X	12.16436	218.53762	71.53749	4.07046	0.1982322	0.23763264	2.5814595	21	8 18.4	19.8
465716 2009 UV_{69}	17.3	X	209.57400	239.36162	117.82467	5.90648	0.1063317	0.21241685	2.7819121	21	3 26.9	21.7
465717 2009 UQ_{83}	17.0	X	213.02089	327.84381	65.91653	4.44879	0.1991811	0.21633996	2.7481782	21	5 9.1	21.5
465718 2009 UT_{84}	17.7	X	312.15859	249.28008	96.00646	3.37098	0.2178745	0.23165687	2.6256647	21	6 23.8	20.6
465719 2009 UV_{85}	17.0	X	283.67854	153.88330	214.82142	5.46754	0.1762919	0.22815105	2.6524940	21	6 20.0	20.6
465720 2009 UB_{103}	17.2	X	296.01717	179.32671	179.91016	14.52171	0.2647522	0.23292486	2.6161270	21	6 10.8	20.9
465721 2009 UQ_{107}	17.1	X	296.18140	108.00688	244.20025	4.76725	0.1074877	0.22590697	2.6700310	21	6 26.1	20.3
465722 2009 UL_{112}	17.0	X	56.90778	26.82514	55.69610	8.83047	0.2476210	0.18666791	3.0321891	21	1 30.4	20.2
465723 2009 UU_{115}	17.4	X	194.75342	328.62109	39.98243	4.63675	0.0858002	0.21157007	2.7893300	21	3 24.8	21.7
465724 2009 UT_{127}	17.0	X	191.58765	3.02858	41.32615	14.70624	0.1869814	0.21360466	2.7715895	21	5 3.4	21.7
465725 2009 UD_{132}	16.6	X	165.66334	173.90617	255.34046	8.48206	0.1762724	0.21383532	2.7695960	21	5 10.4	21.2
465726 2009 UT_{135}	16.6	X	195.81471	299.77488	88.64290	5.97252	0.1697501	0.21288468	2.7778350	21	4 20.5	21.2
465727 2009 UD_{140}	16.9	X	212.99460	0.03001	57.16461	7.10567	0.0654563	0.22097892	2.7095811	21	6 12.7	20.9
465728 2009 US_{151}	17.1	X	258.34692	301.83432	40.59068	4.72956	0.1103994	0.21498467	2.7597160	21	4 25.5	21.2
465729 2009 VV_{12}	17.5	X	72.95791	265.27103	245.26173	3.40433	0.0083661	0.21059019	2.7979758	21	4 16.9	21.2
465730 2009 VY_{12}	17.3	X	285.12466	312.51876	40.94418	9.83619	0.1560519	0.22696039	2.6617627	21	6 2.9	21.0
465731 2009 VH_{15}	17.1	X	330.08525	255.74854	11.61029	4.34341	0.0206270	0.21440902	2.7646533	21	5 1.7	20.8
465732 2009 VP_{15}	16.7	X	347.75680	204.19928	33.96333	12.29924	0.0994945	0.21161374	2.7889463	21	4 13.4	20.0
465733 2009 VQ_{24}	16.8	X	248.90875	149.45741	227.61797	12.67340	0.1376642	0.22197625	2.7014590	21	5 26.3	20.8
465734 2009 VV_{27}	16.4	X	169.45886	224.67201	233.88144	12.34187	0.0834111	0.21896730	2.7261508	21	6 17.1	20.5
465735 2009 VF_{29}	17.3	X	195.11296	121.09727	290.65871	3.15943	0.0697250	0.21536824	2.7564383	21	5 15.8	21.5
465736 2009 VL_{32}	17.0	X	143.41077	38.14244	40.65130	9.63562	0.1665207	0.20586348	2.8406420	21	5 2.2	21.5
465737 2009 VW_{50}	16.7	X	195.13872	192.48258	199.73546	4.79085	0.1670637	0.21228474	2.7830662	21	4 22.4	21.3
465738 2009 VS_{60}	17.5	X	303.34422	257.66279	85.17794	3.53122	0.2131237	0.22932979	2.6433970	21	6 6.5	20.5
465739 2009 VV_{60}	18.0	X	271.50104	63.53994	228.57745	20.95336	0.0385585	0.37473261	1.9054098	21	2 8.3	20.7
465740 2009 VN_{61}	17.3	X	165.98233	203.23691	239.35376	5.53672	0.0462248	0.21420052	2.7664471	21	5 22.4	21.3
465741 2009 VR_{72}	17.9	X	107.61184	334.66394	60.41227	23.02923	0.0942103	0.36201679	1.9497709	21	—	—
465742 2009 VB_{78}	16.4	X	14.54523	218.95254	90.20826	13.54156	0.0934297	0.23641664	2.5903037	21	9 15.4	19.7
465743 2009 VT_{84}	16.7	X	161.13061	340.39653	68.00333	12.18842	0.1436500	0.20329982	2.8644730	21	4 15.6	21.4
465744 2009 VJ_{87}	17.4	X	201.08517	287.06304	107.73318	4.73238	0.1026331	0.21158687	2.7891823	21	5 3.1	21.7
465745 2009 VC_{88}	16.9	X	186.20181	14.01871	45.97804	8.74108	0.1428298	0.21212033	2.7845040	21	5 17.3	21.3
465746 2009 VB_{100}	17.2	X	122.00862	151.20022	288.34239	2.84947	0.0843121	0.19931550	2.9025208	21	3 31.2	21.3
465747 2009 VT_{105}	16.6	X	218.13896	306.23044	54.09606	14.08033	0.2149488	0.21380795	2.7698323	21	4 7.7	21.5
465748 2009 VL_{109}	17.2	X	350.13856	296.75732	34.72925	12.12207	0.2217701	0.23780451	2.5802156	21	9 7.9	19.4
465749 2009 WO_{6}	17.2	X	34.42738	30.37440	76.20678	28.76238	0.5821319	0.18191922	3.0847288	21	3 23.9	19.3
465750 2009 WU_{13}	16.4	X	82.07794	35.18908	73.19944	10.99227	0.0513090	0.20098627	2.8864129	21	3 19.8	20.5
465751 2009 WS_{26}	17.0	X	83.23533	130.07687	46.24330	8.61691	0.1606117	0.21290247	2.7776803	21	6 28.4	20.8
465752 2009 WU_{32}	17.0	X	238.25857	302.31113	70.53869	5.59485	0.0808922	0.21430741	2.7655271	21	5 15.2	21.1
465753 2009 WE_{45}	17.0	X	331.12299	266.93807	62.66526	13.82734	0.2020444	0.23183307	2.6243341	21	7 11.8	19.7
465754 2009 WK_{45}	16.8	X	142.94387	43.32556	77.26409	9.36350	0.1446530	0.21428356	2.7657324	21	6 21.2	21.1
465755 2009 WG_{50}	16.0	X	147.48373	26.10133	57.91725	26.55948	0.1308103	0.21159145	2.7891421	21	5 12.1	20.3
465756 2009 WC_{67}	16.7	X	105.66838	55.03713	72.75141	5.47282	0.0177919	0.21205116	2.7851095	21	5 3.8	20.5
465757 2009 WG_{70}	17.1	X	285.02865	64.35844	281.79893	5.09398	0.0632194	0.22273988	2.6952811	21	6 8.9	20.6
465758 2009 WE_{71}	17.1	X	339.85757	262.69634	72.21636	7.57621	0.0790666	0.23125449	2.6287096	21	8 18.9	20.2
465759 2009 WW_{89}	17.0	X	252.65966	245.74959	100.13802	7.54503	0.0380569	0.21019985	2.8014387	21	5 4.8	21.0
465760 2009 WE_{105}	17.7	X	279.16814	208.22920	67.68025	23.73381	0.0445038	0.37155590	1.9162549	21	2 15.5	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465761 2009 WM_{108}	17.5	X	179.30870	213.16866	187.17644	3.67563	0.0981971	0.20898404	2.8122935	21	4 16.5	21.6
465762 2009 WA_{120}	16.5	X	219.53594	334.70553	64.98945	15.69309	0.0255568	0.21654988	2.7464019	21	5 31.3	20.3
465763 2009 WD_{133}	17.3	X	104.01467	4.72211	49.10927	6.93186	0.2086898	0.19488384	2.9463578	21	2 28.7	21.5
465764 2009 WB_{153}	17.3	X	104.45183	56.78655	37.42294	14.00772	0.1677325	0.20024282	2.8935528	21	4 13.1	21.4
465765 2009 WJ_{175}	16.9	X	296.37512	31.53519	282.22528	8.50720	0.1257587	0.21788613	2.7351616	21	4 29.3	20.7
465766 2009 WU_{181}	16.9	X	343.71867	152.77574	207.37213	6.14711	0.2678561	0.24005608	2.5640564	21	10 1.7	18.5
465767 2009 WH_{185}	17.2	X	23.92781	48.42701	222.60769	8.01159	0.0950732	0.22909265	2.6452209	21	7 26.9	20.4
465768 2009 WJ_{188}	17.1	X	200.04029	131.70076	270.48243	3.28739	0.0733038	0.21420068	2.7664457	21	5 9.1	21.2
465769 2009 WY_{207}	16.8	X	183.57769	357.03187	60.83026	13.26015	0.0993339	0.21159555	2.7891060	21	5 13.2	21.1
465770 2009 WK_{210}	17.2	X	150.73389	340.05989	102.37155	3.06368	0.0492552	0.20922594	2.8101254	21	5 5.5	21.3
465771 2009 WE_{215}	17.2	X	263.03836	25.92752	313.85861	5.28579	0.0782063	0.21295438	2.7772288	21	4 29.1	21.2
465772 2009 WL_{219}	17.5	X	87.68678	328.76672	100.36186	1.83855	0.3214393	0.19080740	2.9881741	21	3 13.9	21.5
465773 2009 WT_{229}	16.9	X	143.22030	32.68526	75.95255	5.96693	0.1198175	0.21433627	2.7652789	21	6 4.5	21.2
465774 2009 WN_{230}	16.7	X	277.56832	303.29368	63.95058	12.03499	0.0413086	0.22082117	2.7108714	21	6 30.9	20.4
465775 2009 WF_{234}	16.9	X	200.90160	302.79150	54.48608	6.58492	0.1447333	0.20847241	2.8168928	21	3 19.4	21.5
465776 2009 WM_{257}	16.8	X	271.25206	71.99696	259.63627	4.19576	0.0810009	0.21144121	2.7904632	21	4 29.6	20.7
465777 2009 XJ_{4}	17.1	X	162.98970	198.49591	242.20060	4.34427	0.0467112	0.21006621	2.8026266	21	5 16.5	20.9
465778 2009 XO_{4}	16.1	X	54.11170	55.60547	67.77258	10.88587	0.0451770	0.19359503	2.9594199	21	2 28.9	20.2
465779 2009 YJ_{6}	16.6	X	193.97730	241.82391	108.46737	9.31981	0.0933176	0.20058414	2.8902693	21	3 4.9	21.1
465780 2010 AP_{12}	16.2	X	357.62487	249.59962	290.45871	9.31284	0.0749745	0.18125685	3.0922393	21	2 14.2	20.4
465781 2010 AQ_{32}	16.6	X	40.06544	355.89385	138.65521	6.03328	0.1089213	0.18062935	3.0993967	21	2 24.4	20.4
465782 2010 AF_{33}	16.1	X	98.08486	89.10376	328.17216	9.02005	0.1045527	0.18191986	3.0847216	21	2 10.1	20.3
465783 2010 AG_{37}	15.9	X	75.66666	97.82429	322.58500	25.16296	0.2444572	0.17863312	3.1224445	21	2 5.5	19.6
465784 2010 AO_{44}	16.4	X	91.15569	101.54986	327.53861	14.71995	0.0993782	0.17881236	3.1203576	21	2 15.1	20.4
465785 2010 AN_{47}	16.5	X	89.48372	269.57524	146.40097	9.20807	0.1946980	0.18199713	3.0838485	21	2 9.3	20.5
465786 2010 AU_{60}	16.9	X	46.40586	12.38085	79.59353	8.99535	0.2896699	0.18103680	3.0947446	21	1 25.3	19.7
465787 2010 AL_{100}	16.2	X	30.82855	38.79078	154.01965	15.85712	0.0367629	0.18194349	3.0844545	21	4 26.5	20.6
465788 2010 AL_{128}	16.1	X	259.87621	147.51733	154.82167	28.81898	0.1684791	0.17119274	3.2122734	21	3 8.8	21.1
465789 2010 BV_{1}	16.8	X	68.50713	309.94249	145.25712	11.64120	0.1756110	0.18269297	3.0760129	21	2 26.1	20.4
465790 2010 BH_{9}	15.8	X	141.66014	343.16965	77.08545	16.21935	0.0306686	0.17674838	3.1446025	21	4 5.9	20.6
465791 2010 BU_{34}	16.2	X	152.54148	138.56264	280.12057	14.02687	0.0884044	0.17941720	3.1133409	21	4 5.9	21.3
465792 2010 BB_{37}	16.1	X	106.05596	1.51586	94.36845	10.65020	0.0823799	0.17751481	3.1355446	21	4 10.6	20.7
465793 2010 BR_{66}	15.6	X	6.46319	100.01713	82.88262	22.22776	0.0763559	0.17226934	3.1988758	21	3 19.3	20.2
465794 2010 CT_{2}	16.9	X	34.35454	42.37699	104.62647	2.49092	0.1277451	0.18085568	3.0968103	21	3 4.3	20.6
465795 2010 CW_{34}	16.2	X	29.00056	66.05053	128.30581	11.14234	0.0337121	0.18772171	3.0208307	21	4 25.3	20.4
465796 2010 CC_{36}	16.0	X	354.52781	55.11604	151.17754	27.72731	0.1602479	0.17986254	3.1081996	21	3 12.9	19.7
465797 2010 CS_{44}	16.4	X	349.81480	281.32693	247.51370	7.99804	0.0337748	0.17712137	3.1401862	21	1 25.8	20.9
465798 2010 CV_{63}	16.6	X	348.65517	79.44863	145.70689	11.11120	0.1551937	0.18173636	3.0867977	21	3 28.9	20.3
465799 2010 CB_{72}	16.4	X	344.36691	43.71868	146.44192	11.33873	0.1613354	0.17744450	3.1363729	21	2 1.0	20.3
465800 2010 CH_{77}	15.9	X	158.76938	66.11446	340.50773	11.51247	0.0681693	0.18683519	3.0303789	21	3 29.5	20.5
465801 2010 CL_{84}	16.2	X	40.88503	6.71517	133.74577	4.02965	0.0853647	0.17957057	3.1115678	21	3 4.2	20.1
465802 2010 CP_{115}	16.0	X	99.06382	299.73655	138.20932	12.20759	0.1375484	0.18320279	3.0703037	21	3 15.4	20.3
465803 2010 CN_{116}	15.7	X	12.06310	17.37624	140.64324	18.60908	0.0865774	0.17751872	3.1354986	21	2 10.8	19.6
465804 2010 CK_{122}	16.2	X	323.06564	240.71007	351.79555	12.85138	0.2318312	0.17497995	3.1657542	21	2 16.7	20.3
465805 2010 CA_{146}	16.7	X	13.09169	87.84259	97.74001	15.49210	0.2789800	0.18312691	3.0711517	21	3 20.7	19.7
465806 2010 CF_{153}	16.5	X	233.97316	39.48617	329.72936	11.24664	0.0726337	0.19857313	2.9097503	21	5 1.9	21.1
465807 2010 CS_{179}	16.5	X	61.32869	31.64611	100.34265	9.81407	0.1948499	0.18396382	3.0618302	21	4 10.5	20.3
465808 2010 CN_{182}	16.9	X	9.01187	21.87718	124.00041	2.34707	0.1398160	0.17366750	3.1816838	21	1 19.6	20.6
465809 2010 CU_{182}	16.0	X	52.31605	203.15017	299.85092	8.33047	0.0736628	0.18273629	3.0755267	21	3 17.4	20.1
465810 2010 CB_{183}	15.9	X	35.31455	220.95937	270.64078	8.08364	0.0649191	0.17655170	3.1469375	21	2 8.9	20.1
465811 2010 CH_{248}	16.1	X	66.00483	328.09265	130.04417	11.98532	0.0687877	0.18150892	3.0893757	21	2 13.4	20.2
465812 2010 DH_{42}	16.7	X	55.22559	132.24801	318.33850	3.92225	0.1513622	0.17214157	3.2004585	21	1 28.7	20.4
465813 2010 DG_{48}	16.8	X	14.19261	350.31771	169.64971	5.86003	0.0847771	0.17725724	3.1385814	21	2 15.5	20.7
465814 2010 DE_{74}	16.8	X	344.02422	209.50097	358.53694	1.27769	0.1548221	0.17642160	3.1484844	21	2 25.0	20.4
465815 2010 EF_{41}	16.4	X	276.84878	97.66230	157.70857	3.95529	0.0892363	0.16892606	3.2409447	21	2 6.2	21.0
465816 2010 EZ_{42}	16.0	X	66.70092	349.02456	128.12955	13.06499	0.2202326	0.18181216	3.0859396	21	4 4.1	19.9
465817 2010 EP_{66}	16.2	X	242.82880	187.62894	163.64504	16.27190	0.0936835	0.18970349	2.9997553	21	4 26.9	20.9
465818 2010 EW_{77}	16.4	X	311.38362	91.92337	130.14683	5.60444	0.1178308	0.17099884	3.2147012	21	2 3.1	20.9
465819 2010 EQ_{86}	16.4	X	178.35908	17.10376	321.53232	8.34459	0.0332222	0.17023447	3.2243169	21	2 2.1	21.1
465820 2010 ER_{104}	15.8	X	336.36919	83.39645	146.19960	15.75597	0.0983348	0.17916496	3.1162623	21	3 22.3	19.9
465821 2010 EE_{122}	16.3	X	22.73507	316.92836	200.48735	14.03515	0.2287860	0.17540664	3.1606181	21	2 22.3	19.7
465822 2010 EU_{132}	16.3	X	264.54182	283.52205	16.45357	19.97102	0.0917751	0.17668367	3.1453703	21	3 21.4	21.0
465823 2010 EU_{134}	16.4	X	334.68593	22.39367	201.91734	16.48989	0.1521146	0.17291240	3.1909398	21	2 28.1	20.7
465824 2010 FR	21.6	X	195.36317	272.71634	167.28197	14.24359	0.3652670	0.81937961	1.1310434	21	6 9.3	22.6
465825 2010 FD_{96}	16.6	X	310.75800	237.86082	2.96887	25.92643	0.2069818	0.17379254	3.1801575	21	2 22.7	21.3
465826 2010 GA_{24}	21.0	X	232.21005	237.56046	30.71543	7.68668	0.5453643	0.32426134	2.0983242	21	—	—
465827 2010 GF_{134}	15.7	X	303.92334	145.63314	99.06162	17.06089	0.0974876	0.16894321	3.2407253	21	3 1.8	20.5
465828 2010 GB_{135}	15.9	X	246.75416	280.59463	31.34246	16.34831	0.0510250	0.17360321	3.1824693	21	3 22.2	20.7
465829 2010 HD_{18}	16.1	X	345.04417	152.52581	35.84433	18.71100	0.0929510	0.18087767	3.0965593	21	2 17.6	20.5
465830 2010 HC_{79}	15.9	X	286.43176	81.44822	220.16178	9.46496	0.2165756	0.17346652	3.1841408	21	3 25.3	20.8
465831 2010 JX_{10}	16.8	X	44.46494	21.23475	333.53726	21.18476	0.2295102	0.28803999	2.2707406	21	—	—
465832 2010 JZ_{35}	16.3	X	358.03670	355.48735	198.88039	21.64547	0.0262344	0.17448841	3.1716967	21	3 8.6	20.8
465833 2010 JX_{117}	15.9	X	246.70738	191.78774	47.56128	9.74041	0.0790982	0.15116452	3.4900860	21	—	—
465834 2010 LQ_{30}	16.2	X	355.09418	237.76617	314.91344	13.90251	0.0566801	0.17667383	3.1454870	21	2 27.5	20.5
465835 2010 LG_{53}	17.4	X	341.98379	193.47790	190.50435	22.26313	0.1237958	0.27620573	2.3351472	21	11 10.7	19.9
465836 2010 ME_{34}	18.0	X	91.89640	235.30929	87.34174	3.36752	0.1894158	0.29005714	2.2602007	21	—	—
465837 2010 ME_{45}	17.7	X	24.27120	318.95422	31.87951	2.70824	0.1114345	0.27765853	2.3269946	21	11 30.6	20.4
465838 2010 MJ_{46}	17.8	X	73.01617	284.17601	41.79528	2.89668	0.1768520	0.28560626	2.2836221	21	—	—
465839 2010 NT_{53}	17.9	X	67.71098	309.11414	9.60800	5.50052	0.2487467	0.28267486	2.2993827	21	12 30.4	21.6
465840 2010 NN_{67}	18.2	X	75.08753	154.53637	163.36805	3.29238	0.1888985	0.28287409	2.2983029	21	12 30.4	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465841 2010 NS_{110}	17.6	X	1.74280	234.14802	128.00598	3.02025	0.1373000	0.27192560	2.3595869	21	11 14.2	19.8
465842 2010 OO_{16}	16.3	X	292.41910	80.43608	183.34414	15.30289	0.0978389	0.16931952	3.2359219	21	3 3.3	21.0
465843 2010 OV_{24}	17.6	X	82.37791	304.33604	1.35002	9.05825	0.1575759	0.28085788	2.3092891	21	12 19.1	21.2
465844 2010 OW_{36}	17.6	X	76.27035	210.32680	131.27884	5.93099	0.2151892	0.28695757	2.2764473	21	—	—
465845 2010 OK_{80}	17.8	X	358.30306	310.60583	55.20579	5.85850	0.2442209	0.27082069	2.3660005	21	11 27.6	19.6
465846 2010 OK_{122}	17.0	X	176.16626	233.51384	250.77800	10.48726	0.2151450	0.24530385	2.5273563	21	7 25.7	21.4
465847 2010 PJ_{41}	17.0	X	229.51803	352.44791	26.93291	9.66374	0.1722615	0.23934912	2.5691029	21	5 3.9	21.2
465848 2010 PQ_{51}	17.8	X	205.80427	223.55509	177.62054	5.11160	0.2133417	0.23682365	2.5873351	21	5 11.5	22.2
465849 2010 PD_{60}	18.0	X	93.31359	157.90793	166.09967	6.85863	0.1435534	0.29510609	2.2343469	21	—	—
465850 2010 PC_{61}	17.9	X	36.50305	162.43656	189.62471	0.96093	0.2275392	0.28370913	2.2937910	21	—	—
465851 2010 PP_{78}	18.4	X	137.37056	213.46187	124.21439	5.92701	0.2347465	0.30593539	2.1813042	21	—	—
465852 2010 RS_{16}	17.6	X	127.88379	135.20654	183.16117	8.49975	0.1534657	0.30139279	2.2031673	21	—	—
465853 2010 RJ_{42}	19.5	X	144.24110	249.58152	341.28553	33.11165	0.3230617	0.47401468	1.6290767	21	11 20.1	23.0
465854 2010 RV_{48}	17.6	X	335.39555	11.41932	8.32232	2.52955	0.1998239	0.27006072	2.3704371	21	10 19.1	19.2
465855 2010 RB_{59}	18.1	X	36.12696	2.78762	328.23037	5.62023	0.1927420	0.27902976	2.3193647	21	12 2.9	20.9
465856 2010 RC_{67}	17.5	X	346.47956	127.42940	243.20495	4.31171	0.2497463	0.27225749	2.3576690	21	11 7.4	18.8
465857 2010 RW_{77}	17.6	X	321.80340	249.16929	130.89261	2.83634	0.2209228	0.26646842	2.3916936	21	9 12.6	19.3
465858 2010 RG_{99}	18.2	X	171.81049	52.83675	229.50496	3.61488	0.1732360	0.30150737	2.2026091	21	—	—
465859 2010 RE_{102}	17.7	X	49.96352	138.06336	199.31830	8.95789	0.0325780	0.27873489	2.3210001	21	12 6.9	20.6
465860 2010 RJ_{106}	18.0	X	113.96594	263.19783	5.29391	6.86448	0.0906389	0.27945806	2.3169942	21	11 28.5	21.4
465861 2010 RQ_{111}	17.6	X	308.15686	20.70718	9.65186	7.47997	0.1709896	0.26541867	2.3979957	21	9 6.1	19.7
465862 2010 RH_{116}	17.4	X	157.99283	244.20293	172.00557	11.90227	0.2942944	0.22935022	2.6432401	21	4 26.6	22.2
465863 2010 RC_{123}	18.0	X	135.73471	262.02090	36.72433	2.13728	0.2213959	0.29673016	2.2261867	21	—	—
465864 2010 RJ_{123}	17.6	X	79.10631	275.14093	26.56443	4.62008	0.1546021	0.28110858	2.3079159	21	12 10.3	21.0
465865 2010 RD_{166}	17.8	X	117.12853	297.19498	11.17561	7.69129	0.2028373	0.29247555	2.2477241	21	—	—
465866 2010 SF_{8}	18.0	X	164.66449	103.74684	185.41974	6.08550	0.0994011	0.30174231	2.2014656	21	—	—
465867 2010 SS_{15}	18.1	X	46.43450	171.06416	170.41658	1.97921	0.2330039	0.28077630	2.3097364	21	—	—
465868 2010 SX_{26}	17.5	X	20.95694	332.41689	9.31226	5.63155	0.2306800	0.27465729	2.3439156	21	12 1.0	20.1
465869 2010 SW_{28}	17.7	X	357.36780	172.43806	194.61681	3.93428	0.2445108	0.27266856	2.3552988	21	11 29.2	19.5
465870 2010 TX_{6}	18.0	X	106.50411	306.65796	359.04151	1.92788	0.2148960	0.28916318	2.2648567	21	—	—
465871 2010 TK_{10}	18.1	X	294.97503	6.53247	24.17350	1.78629	0.1707858	0.26223333	2.4173755	21	8 10.5	20.7
465872 2010 TY_{15}	17.6	X	50.67973	39.06357	268.11184	4.67472	0.0964797	0.27293907	2.3537423	21	11 3.6	20.4
465873 2010 TU_{21}	18.2	X	14.22840	349.86888	17.12510	7.54972	0.1416793	0.27695348	2.3309422	21	12 12.0	20.8
465874 2010 TB_{22}	18.0	X	21.13331	334.91322	18.53346	5.94842	0.1895976	0.27658476	2.3330133	21	12 11.7	20.7
465875 2010 TG_{22}	17.8	X	133.11876	10.65643	192.32954	5.85470	0.0863323	0.26531458	2.3986229	21	9 24.2	21.0
465876 2010 TL_{24}	18.0	X	240.82679	100.80944	23.35995	11.30783	0.0692435	0.26979252	2.3720078	21	10 18.9	20.9
465877 2010 TA_{28}	17.9	X	235.47186	145.07655	346.62060	6.44681	0.0563631	0.27336446	2.3512998	21	10 22.3	21.0
465878 2010 TM_{34}	18.0	X	195.97196	55.10210	78.15279	2.64720	0.1163749	0.25893001	2.4378920	21	9 1.9	21.6
465879 2010 TG_{79}	17.6	X	344.48720	193.42690	182.26007	2.59584	0.2424194	0.26949645	2.3737447	21	11 10.3	19.0
465880 2010 TF_{86}	18.7	X	108.04299	118.74012	172.73184	5.90407	0.2261655	0.28847524	2.2684560	21	12 29.5	22.6
465881 2010 TL_{129}	17.6	X	136.87925	237.92819	83.64969	6.32752	0.2222302	0.30051277	2.2074664	21	—	—
465882 2010 TC_{139}	17.7	X	134.82875	294.90165	252.95073	5.06053	0.0673248	0.25714188	2.4491808	21	9 1.9	21.3
465883 2010 TF_{147}	16.9	X	191.35994	178.52635	216.89945	13.96809	0.2531809	0.23372357	2.6101635	21	4 21.6	21.5
465884 2010 TG_{148}	17.9	X	118.47261	107.91562	207.45489	6.53779	0.2471326	0.29296747	2.2452073	21	—	—
465885 2010 TE_{155}	18.1	X	101.22526	79.26618	231.73303	5.50553	0.2480489	0.29134510	2.2535346	21	—	—
465886 2010 TB_{162}	17.6	X	109.69492	180.15455	171.49961	6.85514	0.1988326	0.29710363	2.2243207	21	—	—
465887 2010 TT_{168}	17.3	X	212.19809	54.66892	345.18699	12.07467	0.1704973	0.24089229	2.5581192	21	5 10.6	21.7
465888 2010 TH_{171}	17.8	X	355.21551	212.19822	156.28013	1.34131	0.2025644	0.27054789	2.3675906	21	11 19.0	19.7
465889 2010 UT_{2}	17.0	X	237.27584	16.98000	358.14319	12.67544	0.3397368	0.24220103	2.5488957	21	4 23.0	21.9
465890 2010 UW_{3}	17.6	X	324.85579	332.89785	27.37099	15.47002	0.0479210	0.25813364	2.4429035	21	9 8.9	20.7
465891 2010 UA_{4}	17.9	X	336.34265	343.64186	14.79292	6.81219	0.1396224	0.26241698	2.4162475	21	9 16.9	19.9
465892 2010 UT_{7}	19.6	X	154.57291	277.29985	65.77911	25.43122	0.6606466	0.49455710	1.5836471	21	2 4.9	22.3
465893 2010 UR_{16}	17.8	X	57.49279	284.62132	53.77218	6.65243	0.2693142	0.27949148	2.3168095	21	—	—
465894 2010 UK_{17}	17.9	X	80.25821	124.41425	206.04197	1.46743	0.2413376	0.28290398	2.2981410	21	—	—
465895 2010 UE_{44}	18.1	X	129.91857	50.84257	49.13671	8.43895	0.3171419	0.22726294	2.6593998	21	5 26.8	22.6
465896 2010 UE_{56}	17.6	X	193.83448	151.21291	271.96076	3.47410	0.1930733	0.23639821	2.5904384	21	5 27.6	21.8
465897 2010 UK_{58}	17.0	X	202.46837	139.04927	246.16867	12.51432	0.2735330	0.23243403	2.6198087	21	4 14.9	21.9
465898 2010 UN_{80}	17.5	X	150.99769	205.59089	232.72419	12.97821	0.2375513	0.23147346	2.6270515	21	5 12.2	21.9
465899 2010 UX_{89}	17.5	X	166.72236	56.62467	40.45281	12.54022	0.2290818	0.23602634	2.5931586	21	6 15.7	22.1
465900 2010 UG_{107}	13.6	X	252.74039	247.56771	242.55665	11.08561	0.0351969	0.08312697	5.1996575	21	10 19.2	20.6
465901 2010 VL_{22}	17.0	X	127.77709	123.03832	42.18635	6.39583	0.2360412	0.23883839	2.5727641	21	8 12.0	21.3
465902 2010 VF_{30}	17.7	X	8.60454	323.04107	49.32836	7.49560	0.1282874	0.27410451	2.3470658	21	12 8.0	20.2
465903 2010 VU_{30}	17.8	X	15.45899	304.38064	54.47053	2.70312	0.2036891	0.27535833	2.3399356	21	12 13.2	20.1
465904 2010 VZ_{46}	16.9	X	195.35529	180.37113	242.19492	15.05027	0.1231799	0.23614206	2.5923113	21	5 29.3	20.8
465905 2010 VY_{54}	17.7	X	67.46892	186.40594	109.21435	2.30145	0.1899217	0.27086339	2.3657518	21	11 23.5	20.9
465906 2010 VJ_{57}	18.0	X	204.55125	318.43288	114.80046	2.40915	0.1601093	0.24207838	2.5497565	21	6 20.1	22.0
465907 2010 VY_{81}	16.6	X	146.14555	258.25774	250.55796	14.39582	0.0931395	0.24025121	2.5626679	21	7 23.7	20.7
465908 2010 VV_{90}	18.0	X	25.91059	293.56868	46.07792	4.95591	0.1985271	0.26839480	2.3802358	21	11 29.6	20.7
465909 2010 VM_{105}	14.0	X	246.15180	71.98806	61.53764	24.61365	0.0481875	0.08197011	5.2484657	21	10 25.3	21.2
465910 2010 VT_{107}	17.3	X	26.83346	298.00591	52.56581	7.59240	0.2425857	0.27487471	2.3426794	21	12 24.6	20.1
465911 2010 VF_{113}	16.9	X	135.76499	227.83455	230.38006	21.43301	0.0885964	0.22888857	2.6467930	21	5 9.8	20.6
465912 2010 VT_{118}	17.6	X	162.41685	63.45722	22.48892	5.54727	0.1349612	0.23224831	2.6212051	21	5 25.5	21.8
465913 2010 VB_{120}	17.2	X	134.32442	242.24194	231.63473	13.20147	0.2596454	0.22821763	2.6519780	21	6 12.7	21.7
465914 2010 VQ_{152}	16.5	X	250.53264	97.74231	263.05163	15.67478	0.3755206	0.23967266	2.5667903	21	4 12.1	21.5
465915 2010 VE_{192}	17.1	X	278.72649	69.47483	292.21224	4.87736	0.1438547	0.24543270	2.5264717	21	6 8.2	20.4
465916 2010 VR_{194}	17.7	X	214.27400	292.39597	148.67456	2.74031	0.1522597	0.24611723	2.5217849	21	7 9.9	21.6
465917 2010 VV_{194}	17.7	X	188.40894	77.05864	0.55208	8.63194	0.1430471	0.23838187	2.5760477	21	6 9.4	21.9
465918 2010 VG_{198}	17.6	X	186.05927	29.87089	28.97805	18.19050	0.2449466	0.23418689	2.6067197	21	5 12.3	22.3
465919 2010 VT_{206}	17.8	X	221.43232	104.06782	288.54118	1.73234	0.1703686	0.23914703	2.5705500	21	5 14.2	22.0
465920 2010 VZ_{209}	17.0	X	192.12121	162.54490	317.47445	5.39950	0.0783346	0.25073542	2.4907239	21	8 11.2	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465921 2010 VT_{210}	17.6	X	316.61607	93.71073	283.84479	5.58270	0.1139947	0.26200117	2.4188034	21	9 3.7	20.1
465922 2010 VC_{220}	17.7	X	357.26035	317.30725	28.76860	6.99976	0.1461737	0.26555772	2.3971586	21	10 11.5	19.9
465923 2010 WX_{3}	17.4	X	281.28608	8.88870	49.78174	7.18836	0.1011849	0.25900817	2.4374015	21	9 13.2	20.3
465924 2010 WH_{16}	17.3	X	216.42848	214.21413	201.72232	8.24955	0.1499810	0.23972723	2.5664007	21	6 10.2	21.4
465925 2010 WD_{29}	17.1	X	155.68299	359.44150	89.52377	15.59908	0.2304270	0.23063462	2.6334175	21	5 30.9	21.6
465926 2010 WU_{35}	17.6	X	213.35122	351.23752	76.26256	7.00031	0.1707851	0.24143355	2.5542945	21	6 20.5	21.7
465927 2010 WE_{52}	17.4	X	183.32018	57.01374	25.33074	2.12942	0.1346419	0.23591665	2.5939623	21	6 11.5	21.5
465928 2010 WY_{57}	17.6	X	141.92685	22.81596	89.53772	3.28636	0.1630082	0.23094885	2.6310282	21	6 10.9	21.7
465929 2010 WC_{70}	17.2	X	236.86571	224.78216	175.67175	4.45015	0.2672854	0.24303139	2.5430865	21	6 1.9	21.5
465930 2010 XA_{4}	16.8	X	162.92422	189.34692	315.74361	3.01164	0.1190800	0.24333401	2.5409776	21	8 11.5	20.7
465931 2010 XN_{50}	17.4	X	144.24101	22.97419	89.38197	9.95628	0.1315710	0.22439676	2.6819973	21	6 11.3	21.5
465932 2010 XV_{55}	16.5	X	119.61844	10.13567	111.62964	30.30473	0.1273186	0.22121467	2.7076557	21	6 4.7	20.9
465933 2010 XW_{71}	17.1	X	154.36707	88.99046	59.20310	5.86550	0.1294680	0.23999817	2.5644688	21	8 9.2	21.1
465934 2010 XZ_{71}	17.3	X	151.95196	29.04872	94.30002	14.48653	0.2109818	0.23397739	2.6082755	21	7 6.9	21.6
465935 2010 XT_{77}	17.3	X	208.10664	337.47580	84.44649	14.73868	0.1609142	0.23771604	2.5808557	21	6 9.4	21.4
465936 2010 XJ_{83}	17.5	X	162.21811	344.86362	92.35670	10.22694	0.2338219	0.22821003	2.6520369	21	5 22.0	22.1
465937 2010 YT_{4}	17.8	X	172.23520	183.88599	250.13812	2.42263	0.1916495	0.23050918	2.6343728	21	5 22.9	22.2
465938 2011 AR_{20}	16.7	X	210.64815	70.92808	302.41116	24.13484	0.1650531	0.22026579	2.7154263	21	3 28.7	21.7
465939 2011 AU_{22}	16.6	X	141.92898	20.45195	105.46967	12.30271	0.1436878	0.22572354	2.6714773	21	6 27.2	20.6
465940 2011 AB_{30}	17.1	X	146.82833	186.52879	307.05332	6.98986	0.0490872	0.23058775	2.6337744	21	7 6.2	20.7
465941 2011 AA_{33}	17.8	X	141.05622	133.12580	334.22275	3.77601	0.1224504	0.22351814	2.6890210	21	5 30.7	21.9
465942 2011 AB_{39}	17.6	X	91.57648	213.83292	326.95844	4.49786	0.0680673	0.22758750	2.6568709	21	7 1.6	21.2
465943 2011 AS_{47}	17.5	X	232.17973	271.71161	144.13696	3.70337	0.0963470	0.23588973	2.5941596	21	6 30.8	21.2
465944 2011 AH_{53}	17.6	X	114.50905	41.27027	99.64658	5.86273	0.1652555	0.21991075	2.7183482	21	6 19.7	21.6
465945 2011 AD_{65}	17.3	X	58.79841	85.62178	111.36525	9.81698	0.1351095	0.22119650	2.7078040	21	6 17.5	20.5
465946 2011 AL_{68}	17.1	X	181.12149	300.18807	133.48004	6.21630	0.2210722	0.22567265	2.6718789	21	5 31.9	21.7
465947 2011 BQ_{15}	17.8	X	151.95079	133.90495	346.47189	5.42111	0.1312117	0.23039722	2.6352262	21	6 29.8	21.9
465948 2011 BG_{26}	17.7	X	95.64581	10.50004	134.42722	10.81762	0.1973213	0.21760835	2.7374888	21	6 9.2	21.7
465949 2011 BJ_{33}	17.0	X	276.21083	216.16878	128.61167	7.18008	0.0332179	0.22243163	2.6977706	21	6 1.4	20.7
465950 2011 BR_{33}	17.1	X	234.49996	264.05965	132.87994	7.32650	0.0684987	0.22679059	2.6630912	21	6 12.3	21.0
465951 2011 BA_{34}	16.7	X	154.16852	283.97662	133.47093	16.57057	0.0907766	0.21183873	2.7869711	21	4 16.6	21.2
465952 2011 BC_{47}	17.2	X	333.50124	33.88648	255.14447	4.52281	0.0542280	0.22127805	2.7071386	21	6 2.2	20.6
465953 2011 BK_{49}	16.8	X	240.21716	347.58841	20.89025	6.51844	0.0531342	0.21766017	2.7370543	21	5 12.4	20.7
465954 2011 BX_{49}	17.1	X	202.91238	56.03232	349.42911	12.63151	0.1148201	0.21985882	2.7187761	21	5 11.2	21.6
465955 2011 BK_{60}	16.9	X	263.11501	323.88972	104.27317	14.18715	0.1560543	0.24471933	2.5313792	21	8 20.4	20.4
465956 2011 BO_{62}	17.1	X	239.57823	319.05502	80.44430	5.86695	0.3186928	0.23776092	2.5805309	21	5 30.1	21.6
465957 2011 BR_{67}	16.6	X	79.85356	149.19544	332.89913	9.62124	0.1711407	0.21010596	2.8022732	21	4 9.0	20.2
465958 2011 BR_{73}	16.4	X	127.29654	272.21235	150.99904	15.49261	0.1412778	0.20416482	2.8563764	21	3 28.4	20.7
465959 2011 BE_{93}	16.6	X	299.00038	31.27795	313.41620	13.30961	0.0611869	0.22730009	2.6591100	21	6 28.8	20.1
465960 2011 BG_{102}	17.0	X	141.10728	352.76645	117.22780	5.83429	0.0673877	0.21987835	2.7186152	21	5 31.0	20.9
465961 2011 BE_{103}	17.6	X	80.65691	137.06849	27.71352	4.38654	0.0574873	0.21711888	2.7416014	21	5 23.1	21.2
465962 2011 BP_{105}	17.1	X	287.36857	176.15303	159.28655	10.27591	0.1273924	0.22461163	2.6802865	21	5 21.3	20.9
465963 2011 BJ_{109}	17.2	X	201.05174	189.93903	217.07462	2.69601	0.0915947	0.21876812	2.7278052	21	5 16.8	21.1
465964 2011 BY_{115}	16.6	X	164.96918	281.50360	115.13566	13.15742	0.1300051	0.21350608	2.7724426	21	4 4.3	21.1
465965 2011 BG_{120}	17.2	X	126.79784	174.94381	318.43930	11.05867	0.1048226	0.22335592	2.6903229	21	6 17.0	21.3
465966 2011 BT_{122}	17.1	X	74.60305	219.47499	336.54887	1.52628	0.0499914	0.22379570	2.6867972	21	6 25.8	20.4
465967 2011 BP_{161}	16.5	X	125.61765	130.50932	28.04181	14.17729	0.1294880	0.22788546	2.6545545	21	7 25.4	20.8
465968 2011 CH_{6}	17.4	X	249.97601	130.54667	234.11140	5.49776	0.0712066	0.22245273	2.6976000	21	5 18.4	21.1
465969 2011 CN_{6}	17.0	X	161.62198	340.84353	141.17811	13.88355	0.2483761	0.22775674	2.6555545	21	7 13.9	21.8
465970 2011 CX_{10}	17.2	X	6.83079	87.72316	164.46872	2.83708	0.1558617	0.21715127	2.7413288	21	6 3.1	20.0
465971 2011 CD_{12}	17.4	X	92.72290	354.28108	141.33642	4.46158	0.0423215	0.21363326	2.7713421	21	5 1.1	21.1
465972 2011 CL_{20}	16.8	X	357.09667	153.59287	342.02876	8.57813	0.0771639	0.18787658	3.0191703	21	—	—
465973 2011 CM_{20}	16.4	X	274.70273	18.90793	306.06901	13.71824	0.0910653	0.22135674	2.7064970	21	4 16.8	20.5
465974 2011 CG_{25}	16.3	X	35.94316	329.46792	118.38769	10.12319	0.1208401	0.18767300	3.0213533	21	—	—
465975 2011 CP_{25}	16.6	X	66.51053	262.17284	298.88721	6.39445	0.1524988	0.21844301	2.7305111	21	7 7.8	19.9
465976 2011 CU_{30}	16.9	X	45.92360	264.94162	314.71159	11.16137	0.0508207	0.22297313	2.6934011	21	6 17.2	20.4
465977 2011 CX_{30}	17.4	X	166.63667	301.73145	132.34801	5.75159	0.1391318	0.22124441	2.7074130	21	5 18.1	21.7
465978 2011 CA_{42}	17.2	X	75.10905	247.71696	282.17078	2.20423	0.0274430	0.21481860	2.7611381	21	5 18.3	20.8
465979 2011 CX_{45}	16.6	X	306.99075	166.61442	115.49889	10.53626	0.1249761	0.20983295	2.8047033	21	4 11.3	20.5
465980 2011 CF_{52}	17.4	X	241.49480	248.38854	136.38168	6.76425	0.1647355	0.22679995	2.6630178	21	5 26.8	21.6
465981 2011 CO_{57}	17.4	X	76.24768	12.64092	144.74402	4.12159	0.0331932	0.21301462	2.7767052	21	5 6.2	21.1
465982 2011 CQ_{79}	16.0	X	9.35792	165.52686	294.87542	8.64197	0.0474551	0.18050198	3.1008546	21	—	—
465983 2011 CG_{84}	17.7	X	214.67050	224.76192	192.76878	2.27663	0.0576018	0.22397653	2.6853509	21	6 16.1	21.4
465984 2011 CY_{89}	17.3	X	252.92477	96.99353	263.53772	3.52788	0.1278665	0.22002792	2.7173830	21	5 9.5	21.3
465985 2011 CZ_{101}	17.9	X	110.93548	268.06883	228.25781	3.14622	0.0476501	0.21550175	2.7552997	21	5 25.1	21.7
465986 2011 CW_{110}	17.1	X	0.62079	7.88536	224.27444	3.97511	0.0513762	0.20887688	2.8132552	21	4 27.1	20.5
465987 2011 DS_{2}	17.0	X	161.56382	271.11412	161.58467	4.94560	0.1378136	0.21376569	2.7701974	21	5 11.4	21.4
465988 2011 DL_{14}	17.2	X	248.83073	201.71745	154.97942	6.76469	0.0506405	0.21704890	2.7421907	21	5 11.4	21.1
465989 2011 DD_{27}	17.1	X	289.69421	180.43281	148.15668	6.52950	0.0956719	0.21931212	2.7232925	21	5 19.7	20.8
465990 2011 DA_{29}	17.9	X	179.83920	282.44276	159.10308	5.28357	0.1196994	0.22341180	2.6898743	21	6 8.0	22.1
465991 2011 EG_{1}	16.6	X	271.33473	190.43065	155.55282	6.56467	0.0478086	0.22100904	2.7093349	21	5 25.5	20.4
465992 2011 ET_{11}	16.1	X	4.59570	187.13859	127.91328	15.15127	0.1075853	0.22804925	2.6532833	21	9 2.3	19.1
465993 2011 EZ_{52}	16.5	X	53.80414	146.98046	33.78411	15.72708	0.0817845	0.20319389	2.8654684	21	5 8.5	20.1
465994 2011 EZ_{69}	16.4	X	288.38411	200.96156	25.58176	11.21794	0.0515890	0.18122995	3.0925453	21	1 22.4	21.0
465995 2011 EQ_{77}	17.0	X	45.32383	62.87269	150.55094	5.37149	0.0637289	0.21280084	2.7785646	21	6 9.8	20.5
465996 2011 EO_{83}	16.8	X	195.18761	82.90082	356.69384	11.77601	0.1269909	0.22206191	2.7007642	21	6 20.3	21.3
465997 2011 FJ_{34}	16.7	X	252.43119	256.01602	21.86362	11.19010	0.0766890	0.18594301	3.0400645	21	2 10.2	21.4
465998 2011 FB_{50}	18.2	X	29.89479	98.35622	6.02748	20.61179	0.0748951	0.37111072	1.9177871	21	—	—
465999 2011 FY_{55}	16.4	X	279.39794	197.45493	34.36618	28.13358	0.1531141	0.17394741	3.1782696	21	1 6.4	21.8
466000 2011 FC_{63}	16.0	X	257.81633	282.27582	10.28165	11.00051	0.0521577	0.19024397	2.9940711	21	3 5.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466001 2011 FB_{84}	15.7	X	225.13183	166.23356	119.84619	9.99123	0.1570639	0.17141390	3.2095097	21	1 18.3	20.8
466002 2011 FJ_{106}	16.5	X	286.29676	269.28327	332.41151	10.64587	0.0226751	0.18646134	3.0344281	21	2 7.9	20.7
466003 2011 FJ_{146}	15.8	X	158.84674	165.80465	127.03039	26.82842	0.1101718	0.17266766	3.1939544	21	—	—
466004 2011 GZ_{1}	16.4	X	318.91112	148.00862	24.84420	16.66898	0.1792170	0.17701710	3.1414193	21	—	—
466005 2011 GB_{4}	16.8	X	332.46049	142.52904	81.55434	3.68938	0.1305626	0.18951007	3.0017961	21	3 2.1	20.6
466006 2011 GM_{13}	16.3	X	275.15374	72.21921	209.96152	16.05574	0.2216229	0.18546620	3.0452728	21	2 14.9	21.5
466007 2011 GQ_{27}	16.4	X	14.66156	87.61504	71.26920	12.46406	0.1055246	0.19032373	2.9932346	21	2 17.5	20.3
466008 2011 GE_{29}	16.5	X	354.99251	299.31984	159.57667	5.21106	0.1110850	0.17111746	3.2132153	21	—	—
466009 2011 GW_{30}	16.6	X	28.60129	312.56560	205.70827	8.20379	0.1163255	0.19002605	2.9963597	21	3 3.5	20.3
466010 2011 GO_{42}	16.9	X	50.16600	226.59908	11.59237	4.93573	0.1047421	0.21974565	2.7197096	21	7 28.5	20.2
466011 2011 GT_{45}	17.4	X	118.89853	295.69627	180.22418	12.70681	0.3474644	0.21341981	2.7731896	21	6 11.0	22.4
466012 2011 GQ_{56}	16.5	X	291.18208	104.96367	137.92262	13.20400	0.1687850	0.18117777	3.0931390	21	1 26.5	21.0
466013 2011 GE_{73}	16.4	X	291.54202	256.25195	30.94247	12.14815	0.1363090	0.19150425	2.9809208	21	3 27.8	20.6
466014 2011 GN_{79}	16.9	X	3.29347	108.28861	45.98859	0.60928	0.1531495	0.18329764	3.0692444	21	1 17.2	20.3
466015 2011 GA_{83}	16.5	X	30.68827	111.97510	46.53443	15.88193	0.0634831	0.19016020	2.9949504	21	3 17.2	20.6
466016 2011 GB_{83}	16.1	X	356.45423	38.00586	164.68787	9.88820	0.0202200	0.19119709	2.9841126	21	3 18.9	20.0
466017 2011 HW_{1}	16.9	X	67.66870	109.32420	67.33581	5.48275	0.1432712	0.20655091	2.8343359	21	6 4.1	20.5
466018 2011 HR_{21}	16.0	X	292.81635	261.83427	66.20824	14.03370	0.2037629	0.20016614	2.8942918	21	5 8.6	20.0
466019 2011 HF_{30}	16.3	X	279.21925	32.18463	221.69506	17.07981	0.1705967	0.17808160	3.1288880	21	1 22.9	21.5
466020 2011 HQ_{35}	15.8	X	164.91024	320.90772	76.86715	11.91453	0.1308221	0.18523310	3.0478270	21	4 8.1	20.8
466021 2011 HD_{41}	16.5	X	12.24478	80.68887	103.39357	10.96455	0.0630570	0.18626158	3.0365973	21	3 20.4	20.6
466022 2011 HQ_{55}	16.6	X	302.75326	88.00416	169.60710	15.13543	0.0867979	0.18401815	3.0612276	21	3 9.4	20.7
466023 2011 HL_{57}	15.8	X	8.36077	65.75692	100.54796	11.74807	0.0853299	0.17984466	3.1084056	21	2 18.4	19.8
466024 2011 HJ_{71}	16.5	X	62.63652	25.14295	72.98860	11.69851	0.1660355	0.18439575	3.0570470	21	2 23.4	20.3
466025 2011 HW_{80}	16.4	X	145.16741	202.25546	175.98105	10.49478	0.0449535	0.17795148	3.1304131	21	2 9.1	21.0
466026 2011 HA_{81}	18.1	X	240.36560	72.08613	208.41698	20.67146	0.0587255	0.37164248	1.9159573	21	—	—
466027 2011 HV_{82}	16.2	X	265.77403	45.15073	210.51380	10.09122	0.2028770	0.17361373	3.1823407	21	1 13.3	21.5
466028 2011 HJ_{84}	16.4	X	355.22452	165.35468	109.43382	17.92343	0.2045150	0.20132730	2.8831524	21	6 13.5	19.4
466029 2011 HO_{90}	16.8	X	343.57959	105.91397	121.27933	4.33979	0.1532725	0.19269275	2.9686509	21	3 19.9	20.2
466030 2011 HJ_{94}	16.4	X	187.80864	230.70704	125.80025	13.94504	0.1062553	0.18426406	3.0585034	21	3 8.7	21.3
466031 2011 HL_{96}	16.4	X	251.47675	167.39319	140.86000	11.58570	0.0169563	0.18577621	3.0418840	21	3 21.9	20.8
466032 2011 HE_{101}	16.3	X	281.70910	172.25717	86.75151	12.29787	0.0565084	0.17881443	3.1203335	21	2 23.5	20.9
466033 2011 HA_{103}	16.4	X	329.94855	109.65050	119.74269	11.05652	0.0737337	0.18978028	2.9989461	21	3 14.9	20.5
466034 2011 JC_{13}	17.1	X	319.93939	152.49683	101.73838	2.46923	0.1534400	0.18783926	3.0195702	21	3 18.9	20.9
466035 2011 JL_{13}	16.5	X	254.98774	176.70706	126.83033	18.51432	0.1946400	0.17884064	3.1200286	21	3 4.9	21.7
466036 2011 JQ_{14}	16.4	X	315.57860	32.83091	194.28105	18.43370	0.0988788	0.18169695	3.0872440	21	2 10.9	21.0
466037 2011 JR_{18}	15.7	X	79.70079	334.46667	95.80162	14.29368	0.0993253	0.17516978	3.1634666	21	2 4.0	20.0
466038 2011 JV_{31}	15.7	X	254.15956	157.45451	115.13627	30.14451	0.2293763	0.17257069	3.1951508	21	1 23.0	21.1
466039 2011 KG	18.6	X	303.10461	223.97191	65.37622	23.42897	0.0393273	0.38694268	1.8651122	21	4 16.7	20.9
466040 2011 KB_{16}	16.6	X	13.12898	64.90871	118.65033	12.27924	0.0827296	0.18451846	3.0556915	21	3 20.4	20.6
466041 2011 KX_{21}	16.5	X	264.09319	173.63644	140.57087	10.78571	0.0964530	0.18592499	3.0402610	21	4 4.5	21.1
466042 2011 KM_{26}	16.5	X	231.35949	103.66407	228.82473	8.16917	0.0836828	0.18402486	3.0611531	21	3 17.4	21.2
466043 2011 KK_{30}	15.7	X	314.51835	312.56740	255.74536	25.84832	0.1611883	0.17561201	3.1581536	21	1 8.5	20.4
466044 2011 KY_{37}	16.7	X	288.97157	14.13671	268.95598	4.42636	0.1798157	0.18388056	3.0627544	21	3 9.2	21.2
466045 2011 LY_{13}	16.5	X	290.22402	60.82236	216.35268	15.90873	0.2028071	0.18019348	3.1043928	21	2 26.4	21.4
466046 2011 LN_{14}	16.6	X	256.23907	123.75696	201.92463	16.35222	0.2999509	0.18056082	3.1001809	21	3 17.9	22.0
466047 2011 LE_{15}	15.7	X	80.86365	22.46095	80.21092	22.75997	0.0111163	0.17925823	3.1151812	21	3 15.2	20.5
466048 2011 LV_{21}	16.9	X	356.05346	155.67869	87.05225	6.30311	0.0778512	0.19543107	2.9408552	21	5 6.6	20.5
466049 2011 LY_{21}	16.6	X	329.78484	115.86228	113.29096	6.42991	0.1812855	0.18482302	3.0523336	21	2 26.4	20.4
466050 2011 OQ_{19}	16.3	X	306.56863	102.20183	141.18620	21.61197	0.2038912	0.17051796	3.2207422	21	2 10.8	20.9
466051 2011 OG_{49}	15.9	X	266.40808	314.17704	345.64288	16.58256	0.2191226	0.17243940	3.1967724	21	3 5.9	21.1
466052 2011 PX_{4}	15.8	X	263.80290	176.12091	152.73606	9.88365	0.2039818	0.17505165	3.1648897	21	4 10.5	20.8
466053 2011 QF_{23}	19.1	X	309.96442	164.00165	160.90060	24.55924	0.3768501	0.38578611	1.8688380	21	4 15.7	21.7
466054 2011 QN_{94}	17.0	X	310.17311	113.04156	182.97496	21.66374	0.3116513	0.17881238	3.1203573	21	4 4.5	21.3
466055 2011 QQ_{98}	16.5	X	263.50946	115.18275	200.43487	11.28847	0.2067870	0.17088381	3.2161436	21	3 21.5	21.6
466056 2011 SL_{57}	18.5	X	5.77316	355.07573	49.59262	4.46726	0.0596741	0.30624054	2.1798549	21	—	—
466057 2011 SJ_{104}	17.3	X	279.78637	30.59615	344.56176	8.08940	0.1918014	0.27931044	2.3178105	21	6 20.5	20.4
466058 2011 SF_{211}	17.4	X	296.70856	15.39808	8.04757	23.74489	0.1528665	0.28681346	2.2772097	21	8 20.9	20.2
466059 2011 SD_{215}	17.8	X	330.75484	22.03104	47.11510	7.53245	0.1865018	0.30309526	2.1949095	21	—	—
466060 2011 TN_{3}	18.2	X	302.70882	18.65328	78.46632	6.00892	0.1901313	0.30183034	2.2010376	21	12 18.6	19.4
466061 2011 UQ_{97}	18.6	X	47.13947	94.40612	261.81385	1.89295	0.0689894	0.31017711	2.1613721	21	—	—
466062 2011 UT_{103}	18.5	X	289.03079	45.89697	44.23498	4.31929	0.1678809	0.29222441	2.2490117	21	11 4.2	20.1
466063 2011 UG_{191}	18.2	X	286.40943	266.66453	212.79452	4.89984	0.0766925	0.30197551	2.2003321	21	12 26.9	20.3
466064 2011 UM_{197}	18.1	X	288.17928	202.70762	237.19771	6.07588	0.1847481	0.29179960	2.2511940	21	10 11.9	20.2
466065 2011 UH_{276}	18.7	X	43.80894	80.90988	297.24418	3.56123	0.1455470	0.31121751	2.1565525	21	—	—
466066 2011 UB_{296}	18.7	X	243.10091	250.69958	212.19975	0.97989	0.1669544	0.28548750	2.2842554	21	9 9.3	21.7
466067 2011 WB_{73}	18.3	X	58.16520	164.66462	218.01225	5.31070	0.0958179	0.31170530	2.1543020	21	—	—
466068 2011 WB_{98}	18.5	X	270.09454	18.25304	106.86881	5.52273	0.1206690	0.29551492	2.2322857	21	12 1.3	20.8
466069 2011 WC_{106}	17.8	X	194.74032	145.30193	54.25520	4.59552	0.0970681	0.29697577	2.2249591	21	12 1.9	20.8
466070 2011 WC_{136}	15.2	X	148.09114	262.28345	81.86007	11.65677	0.2345994	0.12453673	3.9713462	21	2 1.4	21.6
466071 2011 WV_{145}	18.5	X	279.25742	140.68144	290.19230	4.14744	0.2199226	0.28363625	2.2941839	21	9 3.6	20.8
466072 2011 YF_{10}	17.7	X	3.51030	281.74819	92.94009	6.53388	0.1888754	0.29117985	2.2543872	21	12 18.2	19.7
466073 2011 YA_{20}	18.2	X	275.35757	195.48888	256.36356	1.61338	0.1271159	0.28254993	2.3000604	21	10 16.3	20.5
466074 2011 YZ_{24}	17.9	X	226.11550	320.81094	106.87917	11.34953	0.1935917	0.26405355	2.4062535	21	7 1.5	21.7
466075 2011 YM_{34}	17.7	X	164.89448	264.38995	308.32332	6.53196	0.0640640	0.28260443	2.2997647	21	11 12.8	20.9
466076 2011 YT_{49}	17.8	X	257.88885	303.15166	141.98918	5.82395	0.2042508	0.28023217	2.3127253	21	8 29.3	20.7
466077 2011 YA_{58}	18.3	X	221.39337	334.57476	111.23299	2.66855	0.1082999	0.26529042	2.3987685	21	7 28.3	21.6
466078 2012 AU_{6}	17.9	X	260.75190	2.67735	145.60290	4.79905	0.0510041	0.29110483	2.2547745	21	12 27.3	20.4
466079 2012 AJ_{13}	17.6	X	186.03520	138.51370	119.97732	5.52815	0.0911738	0.30038495	2.2080925	21	—	—
466080 2012 AP_{21}	17.5	X	256.64094	349.15760	98.34367	9.00363	0.2335069	0.28012438	2.3133186	21	8 29.7	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466081 2012 AB_{24}	18.0	X	260.24890	18.87975	87.49526	4.48907	0.0953239	0.28135397	2.3065738	21	10 21.7	20.7
466082 2012 BR_{5}	18.2	X	189.98022	95.82672	111.47892	3.78480	0.1489080	0.28393160	2.2925926	21	11 30.2	21.6
466083 2012 BJ_{9}	17.9	X	291.54153	121.10278	287.94206	5.47513	0.1534417	0.27140540	2.3626010	21	9 1.5	20.5
466084 2012 BK_{24}	18.1	X	247.49236	289.65757	129.59323	3.50777	0.3650090	0.27124328	2.3635423	21	6 25.5	22.0
466085 2012 BL_{71}	18.0	X	178.34053	115.35750	23.01163	1.24696	0.1450257	0.26178908	2.4201096	21	8 19.6	21.7
466086 2012 BP_{88}	18.4	X	225.06571	107.07984	11.91043	3.86124	0.1371981	0.27183385	2.3601178	21	9 13.8	21.5
466087 2012 BK_{91}	17.8	X	240.49849	7.34956	138.41751	7.43323	0.1261619	0.27815037	2.3242506	21	11 12.7	20.7
466088 2012 BW_{100}	17.7	X	95.28321	130.55191	122.26365	6.22151	0.1998129	0.26517345	2.3994739	21	10 30.8	21.5
466089 2012 BZ_{106}	17.3	X	277.24448	106.66112	321.46033	6.23804	0.0961410	0.26995633	2.3710482	21	9 16.1	20.0
466090 2012 BO_{108}	18.5	X	121.75362	262.52327	350.06672	2.00859	0.1538510	0.27527413	2.3404127	21	11 19.3	22.1
466091 2012 BP_{109}	17.5	X	244.01164	358.82862	116.74550	7.60092	0.0370253	0.27480749	2.3430614	21	10 21.6	20.5
466092 2012 BU_{111}	17.6	X	175.67758	35.50844	140.62967	5.97138	0.1671920	0.26774400	2.3840913	21	10 6.3	21.3
466093 2012 BN_{124}	18.2	X	188.44986	336.73529	172.50889	2.49587	0.1331448	0.26766314	2.3845715	21	9 13.3	21.5
466094 2012 BV_{131}	17.2	X	162.69455	220.63732	285.62607	10.83301	0.1553148	0.25852711	2.4404242	21	8 10.7	21.2
466095 2012 BZ_{142}	13.3	X	355.35446	279.67839	116.05624	23.37514	0.0866358	0.08366907	5.1771739	21	11 13.6	20.1
466096 2012 CF_{1}	18.7	X	180.24309	33.84689	134.74129	2.07418	0.1136387	0.26873782	2.3782099	21	10 2.0	22.2
466097 2012 CC_{3}	17.9	X	265.19473	308.54365	117.76912	3.25609	0.2008098	0.26949402	2.3737590	21	8 12.0	21.0
466098 2012 CZ_{8}	18.4	X	146.02906	220.02646	329.05457	0.96025	0.1218621	0.26351201	2.4095491	21	9 21.4	22.1
466099 2012 CO_{14}	18.0	X	258.03320	87.19790	337.22522	3.30816	0.2078009	0.26734661	2.3864533	21	7 30.4	21.2
466100 2012 CN_{15}	18.2	X	183.73871	335.56441	195.53861	1.38907	0.1692132	0.26893217	2.3770640	21	10 5.1	21.8
466101 2012 CT_{22}	18.0	X	183.54599	228.13313	231.81862	3.24608	0.1510685	0.25437563	2.4669048	21	7 4.2	22.0
466102 2012 CV_{23}	17.8	X	250.15503	232.60923	205.34695	3.04569	0.1570469	0.26795545	2.3828369	21	8 13.7	21.2
466103 2012 CF_{34}	17.9	X	250.14600	75.30807	334.62578	1.09575	0.1758991	0.26240599	2.4163150	21	7 4.8	21.5
466104 2012 CX_{34}	18.2	X	184.11754	56.52449	138.33892	7.31703	0.1711861	0.27520106	2.3408270	21	11 7.8	21.9
466105 2012 CG_{40}	18.3	X	154.67427	231.77274	334.19483	2.26419	0.1289591	0.26943600	2.3740998	21	10 21.8	22.0
466106 2012 CX_{47}	17.7	X	135.20986	148.50342	81.25164	3.30333	0.1690284	0.26555033	2.3972031	21	11 4.1	21.4
466107 2012 CP_{50}	18.1	X	218.93754	241.61046	220.57548	1.69265	0.1409087	0.26295898	2.4129262	21	8 12.7	21.7
466108 2012 CA_{51}	18.4	X	166.81361	308.75091	218.14237	1.63981	0.1675263	0.26200836	2.4187591	21	9 12.9	22.4
466109 2012 DZ_{8}	18.4	X	138.91059	45.15761	145.79496	2.57368	0.1780180	0.25880403	2.4386830	21	9 19.3	22.3
466110 2012 DR_{14}	18.7	X	154.38966	123.65458	90.70382	4.46522	0.1537574	0.26894931	2.3769630	21	11 3.3	22.3
466111 2012 DL_{20}	18.3	X	267.20492	322.67820	159.51756	5.12016	0.1831607	0.28240698	2.3008365	21	11 9.6	20.7
466112 2012 DB_{29}	18.0	X	156.36359	123.06672	51.10321	3.26598	0.1621397	0.25657409	2.4527927	21	9 14.5	21.8
466113 2012 DN_{35}	18.0	X	187.28226	47.20885	59.81633	3.35094	0.1511645	0.25236273	2.4800051	21	7 18.1	21.8
466114 2012 DN_{38}	17.9	X	309.73980	345.84897	112.22702	6.73701	0.1351299	0.29001167	2.2604370	21	—	—
466115 2012 DE_{50}	18.6	X	175.96195	353.57719	137.96313	1.24825	0.1557034	0.25212846	2.4815411	21	8 7.3	22.4
466116 2012 DR_{51}	17.9	X	124.00004	98.20585	106.18988	2.49193	0.1288972	0.25572092	2.4582453	21	9 19.8	21.5
466117 2012 DX_{66}	17.9	X	209.63191	316.91222	155.19476	7.53368	0.0738575	0.25925879	2.4358304	21	8 21.7	21.3
466118 2012 DS_{67}	18.0	X	239.58853	141.68569	316.04591	3.80745	0.0810336	0.26695415	2.3887916	21	9 7.6	21.1
466119 2012 DY_{67}	17.8	X	264.89228	282.57117	157.64482	8.11957	0.1792679	0.27363738	2.3497362	21	9 3.9	20.4
466120 2012 DG_{82}	18.0	X	192.15484	287.63941	204.44605	8.84172	0.2321897	0.25880751	2.4386612	21	8 17.9	22.3
466121 2012 EJ	18.0	X	93.26107	111.05061	159.35421	3.59516	0.1087475	0.26630056	2.3926986	21	11 10.4	21.4
466122 2012 EY_{6}	17.8	X	138.37936	129.49091	93.93250	1.89985	0.1548828	0.26406973	2.4061552	21	10 29.5	21.6
466123 2012 EM_{7}	18.0	X	121.43175	204.28200	41.34631	1.16062	0.1396160	0.26562912	2.3967290	21	11 9.1	21.7
466124 2012 EZ_{13}	17.7	X	80.12695	148.21471	129.32207	7.24766	0.1171948	0.26033162	2.4291338	21	11 6.5	21.1
466125 2012 EF_{14}	17.4	X	121.92491	342.03419	269.15729	4.76205	0.2386613	0.26458907	2.4030056	21	11 19.3	21.6
466126 2012 EC_{16}	17.6	X	103.60366	70.71947	92.88642	7.99923	0.1665070	0.23899619	2.5716315	21	7 7.4	21.1
466127 2012 FT_{1}	16.6	X	160.54495	24.05139	1.48023	6.56593	0.0281575	0.21534170	2.7566648	21	3 3.4	20.4
466128 2012 FO_{17}	18.0	X	42.95351	68.95402	169.15417	12.91579	0.1824906	0.23759579	2.5817265	21	7 25.5	21.0
466129 2012 FX_{21}	17.1	X	72.21103	132.61073	109.56585	30.39187	0.2488708	0.23736129	2.5834266	21	10 8.2	21.6
466130 2012 FZ_{23}	18.2	X	129.76031	357.83046	179.35364	75.40405	0.6079326	0.25089897	2.4896414	21	9 13.9	23.9
466131 2012 FE_{25}	17.1	X	8.71150	266.52432	356.49382	22.97141	0.1785248	0.23434845	2.6055215	21	6 25.1	20.2
466132 2012 FP_{37}	17.3	X	202.47054	285.28865	96.86521	6.67718	0.0970747	0.22509632	2.6764376	21	4 19.1	21.4
466133 2012 FQ_{44}	16.6	X	41.71539	223.79450	22.09208	33.00990	0.2418851	0.23342568	2.6123837	21	9 9.2	20.3
466134 2012 FQ_{65}	18.3	X	187.49587	34.54623	129.24287	3.58442	0.1137013	0.26315863	2.4117057	21	10 3.7	21.7
466135 2012 FW_{68}	17.5	X	314.02863	178.44931	121.75695	7.52513	0.0956673	0.23034964	2.6355890	21	5 15.7	20.9
466136 2012 FF_{75}	17.8	X	124.74165	107.94259	102.89898	8.72552	0.1860291	0.25555515	2.4593082	21	10 5.5	21.9
466137 2012 GZ_{30}	17.4	X	73.07690	202.19303	16.79986	14.71655	0.2265628	0.23824418	2.5770401	21	8 29.4	21.1
466138 2012 GU_{31}	17.5	X	43.33268	281.57794	359.27056	3.79017	0.2901797	0.23883631	2.5727790	21	10 14.9	20.6
466139 2012 HH_{1}	16.8	X	145.11771	71.98410	71.71749	18.30351	0.1302419	0.23660963	2.5888950	21	7 24.7	21.0
466140 2012 HG_{16}	16.7	X	38.39890	230.80394	43.02842	32.29192	0.3172570	0.23397778	2.6082726	21	10 16.9	20.2
466141 2012 HQ_{18}	16.9	X	324.95836	167.11135	125.42856	12.31545	0.0628752	0.22230247	2.6988154	21	5 27.5	20.5
466142 2012 HG_{19}	16.9	X	165.82751	271.42212	211.42346	27.03134	0.0947964	0.23455979	2.6039562	21	7 9.4	21.5
466143 2012 HD_{27}	17.8	X	118.10795	162.35642	103.96356	5.93030	0.1734500	0.26295052	2.4129780	21	12 3.3	21.6
466144 2012 HU_{29}	17.2	X	177.68039	293.05651	204.78202	14.76675	0.0855302	0.24584311	2.5236591	21	8 13.3	21.3
466145 2012 HM_{34}	17.3	X	28.33319	98.46330	177.24596	13.29675	0.1548578	0.23495255	2.6010535	21	8 18.9	20.2
466146 2012 HU_{38}	15.9	X	356.98773	293.48104	55.64174	28.08221	0.2725770	0.23979854	2.5658919	21	11 2.3	18.1
466147 2012 HA_{44}	17.3	X	42.35277	38.35112	208.62486	9.42036	0.0914721	0.23418316	2.6067473	21	7 22.6	20.7
466148 2012 HZ_{45}	17.3	X	40.44985	98.31570	140.56015	7.20835	0.1514212	0.22925539	2.6439689	21	7 18.4	20.2
466149 2012 HY_{49}	16.6	X	5.38785	136.69764	127.95041	12.54372	0.1057146	0.22415060	2.6839605	21	6 19.1	19.7
466150 2012 HR_{51}	17.2	X	48.16097	35.56974	220.97732	11.62770	0.1458303	0.23605835	2.5929241	21	8 20.9	20.6
466151 2012 HU_{54}	17.3	X	348.66058	240.43631	55.87486	8.87176	0.1387751	0.22734164	2.6587860	21	7 2.6	20.1
466152 2012 HQ_{56}	17.1	X	33.33409	100.99464	205.84147	13.57247	0.2350267	0.24536167	2.5269592	21	10 29.3	19.9
466153 2012 HC_{57}	17.2	X	27.11920	111.28361	146.98987	5.86981	0.2324971	0.23052016	2.6342891	21	8 3.3	19.7
466154 2012 HC_{61}	17.4	X	340.97928	233.05410	63.55362	3.19204	0.1269116	0.22801561	2.6535443	21	6 18.5	20.1
466155 2012 HW_{66}	16.8	X	338.09788	83.58167	221.65792	12.22135	0.1800206	0.22648419	2.6654924	21	6 19.7	19.6
466156 2012 HP_{67}	16.6	X	293.74126	214.83156	79.75192	10.01439	0.1394568	0.21107945	2.7936505	21	4 7.8	20.6
466157 2012 HR_{70}	17.1	X	352.18813	215.98093	62.53532	14.88984	0.1515420	0.22403460	2.6848869	21	6 10.3	19.8
466158 2012 HY_{72}	17.1	X	100.71988	27.83225	149.19173	14.34860	0.1877947	0.23460219	2.6036425	21	7 23.5	21.1
466159 2012 HP_{74}	16.8	X	355.86807	225.50522	56.67663	15.31937	0.1114643	0.22859498	2.6490587	21	6 24.9	19.9
466160 2012 HZ_{77}	17.7	X	69.14203	328.34989	222.97122	0.86892	0.1347694	0.22696556	2.6617223	21	6 24.7	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466161 2012 HR_{79}	17.2	X	56.89623	95.74293	145.26962	13.43976	0.1538447	0.23322677	2.6138688	21	8 18.7	20.3
466162 2012 JO_{3}	17.5	X	354.16259	302.99880	46.74334	11.45757	0.0645960	0.25115730	2.4879339	21	10 6.7	20.4
466163 2012 JB_{7}	16.3	X	121.16123	97.73257	53.07373	13.07406	0.0967032	0.23125993	2.6286683	21	7 2.2	20.2
466164 2012 JW_{7}	16.1	X	334.73614	295.07608	45.57493	14.19075	0.2151968	0.23296938	2.6157937	21	8 12.9	18.7
466165 2012 JH_{10}	17.3	X	102.06120	355.10438	217.00741	4.39140	0.1144415	0.24075855	2.5590665	21	8 31.0	21.0
466166 2012 JS_{16}	17.4	X	0.40882	215.27849	96.08581	7.43550	0.1081532	0.23702267	2.5858865	21	8 20.6	20.2
466167 2012 JC_{20}	17.2	X	58.36673	71.08612	192.73358	11.11049	0.1619746	0.23940559	2.5686989	21	9 21.9	20.6
466168 2012 JU_{20}	17.4	X	41.02247	50.31871	229.39984	6.61493	0.1699228	0.23746161	2.5826989	21	9 17.8	20.5
466169 2012 JJ_{24}	16.4	X	78.63607	57.76565	159.99299	15.77597	0.0884290	0.23412463	2.6071818	21	8 5.1	19.9
466170 2012 JD_{27}	17.1	X	37.57465	111.50986	118.64898	8.14517	0.1035445	0.22548768	2.6733399	21	6 24.8	20.3
466171 2012 JQ_{27}	17.1	X	309.01893	202.86440	90.13642	5.23089	0.0363604	0.21508625	2.7588470	21	5 7.5	20.7
466172 2012 JR_{28}	17.1	X	313.92785	264.12009	39.68026	8.91195	0.0807361	0.22183122	2.7026363	21	5 19.4	20.5
466173 2012 JG_{39}	17.6	X	359.91173	143.36031	161.77333	3.96412	0.1860581	0.23253683	2.6190365	21	8 9.4	19.9
466174 2012 JA_{40}	17.0	X	252.42033	193.00834	162.76661	5.42098	0.1682050	0.21577247	2.7529946	21	5 1.4	21.3
466175 2012 JP_{41}	16.6	X	250.78039	289.96327	51.44682	9.67794	0.1671289	0.20974424	2.8054941	21	4 13.6	21.1
466176 2012 JG_{57}	17.1	X	47.46098	176.62031	94.47498	8.94250	0.2026020	0.23640635	2.5903788	21	9 29.1	20.4
466177 2012 JS_{60}	17.5	X	142.01495	72.78998	78.55366	8.23280	0.1973229	0.24305475	2.5429235	21	8 4.2	21.7
466178 2012 KA_{5}	16.1	X	274.53672	253.65859	87.33162	8.70627	0.1525898	0.21577204	2.7529982	21	5 9.3	20.1
466179 2012 KX_{9}	17.4	X	353.47317	87.08814	189.78883	11.77894	0.1160869	0.22243035	2.6977810	21	6 14.1	20.7
466180 2012 KY_{9}	17.4	X	122.53089	351.45355	188.60930	4.04786	0.1041668	0.24034994	2.5619660	21	8 11.7	21.2
466181 2012 KQ_{14}	17.6	X	118.49803	13.34383	156.14140	7.20575	0.1111385	0.23823234	2.5771255	21	7 24.9	21.4
466182 2012 KF_{16}	17.1	X	29.80947	202.56918	77.85971	14.42844	0.2213719	0.23199224	2.6231336	21	9 20.0	20.2
466183 2012 KK_{16}	17.5	X	332.41381	134.75482	160.04988	3.28290	0.1829544	0.21855935	2.7295420	21	5 25.1	20.5
466184 2012 KB_{18}	17.0	X	53.20025	133.03941	120.67881	11.36860	0.1443650	0.23307532	2.6150010	21	9 1.3	20.3
466185 2012 KH_{19}	17.4	X	359.13644	186.72593	139.60112	3.04777	0.2281726	0.23762896	2.5814862	21	9 16.9	19.2
466186 2012 KC_{28}	17.0	X	296.47508	122.01854	188.77518	4.59271	0.1012743	0.21456588	2.7633058	21	5 3.5	20.7
466187 2012 KK_{28}	16.8	X	334.77945	246.89941	48.88250	17.90501	0.0895325	0.22834571	2.6509863	21	6 6.9	20.1
466188 2012 KQ_{28}	17.4	X	187.73653	279.44446	200.34547	11.42937	0.1410399	0.24372100	2.5382871	21	7 31.3	21.6
466189 2012 KS_{28}	17.4	X	19.64348	116.12526	180.31299	5.27359	0.2271797	0.23508963	2.6000422	21	9 15.4	19.7
466190 2012 KZ_{28}	16.7	X	208.75871	17.40627	53.18426	14.79226	0.0809931	0.23533623	2.5982256	21	6 23.7	20.7
466191 2012 KL_{45}	18.8	X	44.03015	203.04811	100.61717	25.11674	0.3565957	0.44961396	1.6874964	21	12 25.2	21.1
466192 2012 KG_{46}	16.7	X	52.27154	34.80232	244.56680	10.57111	0.1926337	0.23980385	2.5658540	21	10 6.8	20.1
466193 2012 KM_{46}	17.1	X	49.22805	217.73777	86.41632	14.03981	0.2681236	0.24173368	2.5521798	21	11 22.2	20.7
466194 2012 KC_{47}	16.8	X	342.94514	99.06828	229.47465	11.70237	0.2864334	0.22682891	2.6627912	21	7 25.6	18.9
466195 2012 KR_{49}	17.1	X	93.47083	96.86381	142.40325	5.41030	0.1557825	0.24251524	2.5466936	21	10 4.5	20.8
466196 2012 KD_{51}	17.1	X	330.00446	167.37168	127.19093	13.60207	0.2515242	0.21878305	2.7276812	21	5 13.8	20.3
466197 2012 LL_{8}	16.9	X	48.97586	63.48143	107.62980	26.67225	0.0996372	0.21197285	2.7857954	21	5 5.6	20.9
466198 2012 LB_{10}	16.7	X	313.12051	182.12883	107.68501	6.92253	0.0834230	0.21311299	2.7758507	21	5 3.6	20.4
466199 2012 LC_{14}	17.2	X	14.76589	78.51701	229.04438	11.96902	0.2853817	0.23154742	2.6264920	21	9 27.3	19.7
466200 2012 LZ_{15}	17.3	X	70.78552	138.82026	90.34424	6.59956	0.0781882	0.23290138	2.6163028	21	8 11.9	20.7
466201 2012 LQ_{26}	17.1	X	72.84914	188.53128	127.38657	15.14736	0.1539834	0.25716007	2.4490653	21	12 19.5	20.9
466202 2012 MW	16.8	X	39.01020	0.20372	241.74520	13.45525	0.2064220	0.22771517	2.6558777	21	7 24.6	20.0
466203 2012 PE_{3}	16.7	X	293.79329	115.36396	166.52744	14.89948	0.2010885	0.18915797	3.0055200	21	3 12.4	21.0
466204 2012 PW_{8}	16.5	X	210.84543	106.06331	267.25562	8.44024	0.0922349	0.18728185	3.0255588	21	4 13.5	21.3
466205 2012 PH_{18}	15.4	X	231.35772	304.29354	353.79666	26.04148	0.1781049	0.17327675	3.1864652	21	2 14.6	20.9
466206 2012 QM_{21}	16.9	X	255.27652	148.40370	197.38608	8.92617	0.0768912	0.19041994	2.9922263	21	5 2.9	21.3
466207 2012 QL_{30}	16.6	X	203.67360	122.58938	217.14842	8.95817	0.0910196	0.17275698	3.1928534	21	2 27.0	21.6
466208 2012 QP_{33}	16.3	X	244.50638	353.93866	321.37668	8.89751	0.0952248	0.17733782	3.1376306	21	3 10.6	21.1
466209 2012 QF_{36}	13.6	X	286.18697	352.58591	343.04906	16.03576	0.1082850	0.08295971	5.2066443	21	5 23.6	20.7
466210 2012 QL_{46}	16.7	X	265.65737	134.95185	181.01364	11.80013	0.0726763	0.19060884	2.9902490	21	4 8.4	20.9
466211 2012 RD_{26}	16.3	X	219.02181	120.30139	187.79174	16.83260	0.2050440	0.17220382	3.1996872	21	2 2.9	22.0
466212 2012 RU_{26}	17.2	X	348.70603	129.10353	177.71478	5.98034	0.3011027	0.21371602	2.7706266	21	7 7.8	19.1
466213 2012 RJ_{43}	16.0	X	182.72054	160.46152	205.88687	14.18266	0.2247584	0.17294864	3.1904941	21	3 13.7	21.6
466214 2012 SZ_{1}	16.6	X	264.77996	153.58176	202.45966	15.80679	0.2897879	0.18924008	3.0046505	21	5 2.7	21.5
466215 2012 SV_{36}	16.2	X	205.30389	158.65082	181.84652	6.26863	0.1439863	0.17187718	3.2037398	21	3 3.5	21.4
466216 2012 SF_{42}	19.0	X	117.45070	76.70349	353.95804	18.82064	0.1319632	0.39060088	1.8534487	21	2 24.3	20.4
466217 2012 SP_{56}	18.6	X	175.54978	29.16731	12.67452	20.44181	0.1306152	0.40140989	1.8200249	21	3 29.3	20.4
466218 2012 SF_{62}	15.7	X	241.23244	311.94121	10.88095	16.41857	0.1929398	0.17684710	3.1434322	21	3 15.7	20.9
466219 2012 TA_{1}	16.2	X	191.07701	208.76788	187.00771	9.24288	0.0826875	0.17994977	3.1071950	21	4 25.9	21.0
466220 2012 TO_{5}	16.4	X	42.39741	242.09418	60.48359	14.75097	0.4205126	0.22692933	2.6620056	21	11 27.5	20.3
466221 2012 TW_{29}	16.7	X	252.35132	308.70614	7.24535	3.38999	0.1605287	0.17807074	3.1290152	21	3 16.7	21.7
466222 2012 TH_{33}	16.5	X	258.58491	113.27526	207.11315	10.25221	0.2608517	0.18409071	3.0604231	21	3 16.3	21.8
466223 2012 TJ_{55}	18.5	X	71.38789	251.27082	202.24892	18.81106	0.0721010	0.38051727	1.8860497	21	—	—
466224 2012 TZ_{100}	16.3	X	226.35385	121.71979	216.95192	26.01777	0.2508601	0.17490657	3.1666395	21	3 11.1	22.1
466225 2012 TH_{121}	16.4	X	298.85553	270.97740	5.86327	13.39002	0.1621295	0.17981618	3.1087338	21	3 19.4	20.7
466226 2012 TY_{138}	16.3	X	245.65311	202.98718	121.14646	4.32511	0.1984901	0.17955884	3.1117033	21	3 18.6	21.3
466227 2012 TK_{175}	16.5	X	256.11012	138.33441	195.12289	10.50492	0.0742708	0.18336517	3.0684908	21	4 19.1	20.9
466228 2012 TD_{211}	16.4	X	296.87197	59.05916	208.25860	18.32313	0.1359557	0.17543102	3.1603254	21	3 4.2	21.2
466229 2012 TP_{218}	16.7	X	215.88629	132.97221	197.54217	13.74603	0.2850976	0.17293969	3.1906042	21	2 24.3	22.6
466230 2012 TS_{233}	16.0	X	234.26340	300.08029	10.25477	12.66243	0.1172235	0.17160643	3.2071087	21	2 28.7	21.1
466231 2012 TU_{300}	15.6	X	180.58278	92.29675	288.71624	11.37643	0.1132780	0.17449268	3.1716450	21	3 22.4	20.8
466232 2012 TB_{312}	16.2	X	240.71667	130.38342	196.53092	16.35903	0.2475385	0.17564988	3.1576996	21	3 11.3	21.7
466233 2012 UM_{84}	15.5	X	237.25544	353.98609	348.55916	18.44721	0.0797573	0.18046322	3.1012986	21	4 2.2	20.4
466234 2012 UR_{131}	15.3	X	243.46191	240.53097	32.36706	17.48058	0.2882756	0.16433795	3.3009895	21	1 17.2	21.4
466235 2012 VG_{50}	16.4	X	255.97667	179.51066	128.58962	3.38760	0.1447816	0.17236232	3.1977254	21	3 13.7	21.4
466236 2013 AH_{1}	17.8	X	100.57300	358.02177	98.51111	25.56518	0.1147769	0.37534720	1.9033293	21	3 18.2	20.3
466237 2013 AB_{54}	17.6	X	188.55098	8.90192	309.91661	15.56831	0.0762777	0.35671606	1.9690388	21	—	—
466238 2013 AD_{131}	14.1	X	281.18663	332.71382	126.02215	10.08034	0.0716713	0.08233506	5.2329452	21	10 17.7	21.0
466239 2013 BU_{16}	14.3	X	13.43114	183.29021	172.84929	7.79060	0.0150374	0.08302959	5.2037224	21	10 13.1	21.1
466240 2013 BJ_{39}	13.9	X	243.67146	2.57565	135.83038	18.29467	0.0556898	0.08182516	5.2546625	21	10 24.3	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466241 2013 CG_1	17.5	X	356.49048	66.94068	86.35314	24.07456	0.0936657	0.35463887	1.9767200	21	—	—
466242 2013 CN_{75}	17.7	X	310.80758	100.12382	163.58980	22.28402	0.0638487	0.37213561	1.9142643	21	2 28.8	19.4
466243 2013 CN_{82}	18.2	X	242.75716	199.95570	155.79977	23.33598	0.0674507	0.38697137	1.8650200	21	4 19.5	20.7
466244 2013 CY_{102}	14.1	X	12.50061	272.65499	107.52766	10.14306	0.0432556	0.08192139	5.2505465	21	11 10.7	20.9
466245 2013 CF_{104}	14.2	X	337.25388	309.31248	107.04221	8.59894	0.1109629	0.08472194	5.1341923	21	11 6.2	20.5
466246 2013 CK_{174}	18.3	X	94.84657	259.66803	159.40052	23.36596	0.1406916	0.35704193	1.9678405	21	—	—
466247 2013 CT_{212}	13.4	X	338.35421	250.70149	167.62098	21.79783	0.0980344	0.08164159	5.2625360	21	11 10.7	20.1
466248 2013 DW_{11}	18.7	X	216.59962	209.35368	165.38930	23.03754	0.1024454	0.38393286	1.8748471	21	4 10.7	21.2
466249 2013 EO	17.7	X	214.18473	211.26244	152.18255	22.74726	0.0883005	0.36987646	1.9220510	21	3 23.3	20.1
466250 2013 FE_8	17.7	X	196.43324	164.51033	203.60354	24.43116	0.0309832	0.36619328	1.9349176	21	2 22.2	20.4
466251 2013 GX_{59}	17.8	X	117.65722	303.76681	17.14631	6.01920	0.1669515	0.31399254	2.1438274	21	—	—
466252 2013 GA_{72}	17.1	X	346.91402	21.59704	259.95540	6.12285	0.1320571	0.25207261	2.4819076	21	6 5.5	19.2
466253 2013 GG_{126}	18.4	X	188.28636	73.08979	172.91577	4.39765	0.1334912	0.30824387	2.1703998	21	—	—
466254 2013 HZ_{28}	16.8	X	309.47254	70.75359	256.73160	10.51770	0.2121699	0.23216400	2.6218396	21	5 24.9	20.0
466255 2013 HL_{29}	18.0	X	214.71686	128.32178	221.12456	19.39963	0.0920748	0.35787787	1.9647750	21	2 21.9	21.0
466256 2013 JY_{16}	17.2	X	27.99775	50.33427	259.90757	11.95279	0.1896135	0.27039989	2.3684545	21	10 16.9	19.9
466257 2013 JX_{30}	17.1	X	41.45526	215.43599	113.27081	9.44925	0.2506191	0.27640906	2.3340019	21	12 16.2	20.2
466258 2013 JJ_{42}	18.2	X	154.60704	146.88360	123.25519	4.05845	0.1613871	0.30295238	2.1955996	21	—	—
466259 2013 JA_{48}	18.3	X	128.14951	128.04800	153.98671	5.77637	0.1924176	0.29542925	2.2327172	21	—	—
466260 2013 JJ_{48}	17.9	X	326.52443	292.73443	78.90036	7.81178	0.1280394	0.27355318	2.3502183	21	9 23.2	20.2
466261 2013 KX_6	18.0	X	136.87711	237.31974	68.01898	3.57709	0.1464446	0.30590811	2.1814339	21	—	—
466262 2013 KG_{14}	17.8	X	94.55765	207.82240	101.54035	6.09623	0.1855186	0.29112470	2.2546719	21	—	—
466263 2013 KB_{18}	17.4	X	122.99513	217.62905	87.66374	9.24860	0.2319935	0.29800285	2.2198439	21	—	—
466264 2013 LN	17.9	X	62.32783	84.91174	244.16166	4.96586	0.1935297	0.28668923	2.2778675	21	—	—
466265 2013 LR_2	18.1	X	91.61413	55.53035	241.66825	6.02788	0.2315480	0.28529969	2.2852577	21	12 23.1	21.7
466266 2013 LM_4	17.7	X	112.18308	241.18939	77.71140	6.45309	0.1975584	0.30089860	2.2055789	21	—	—
466267 2013 LN_{30}	16.7	X	286.50549	64.40457	252.22127	11.97622	0.1716519	0.22006777	2.7170550	21	4 12.8	20.8
466268 2013 MQ_3	18.7	X	122.53154	113.24394	199.75983	4.01318	0.2852681	0.28991015	2.2609646	21	—	—
466269 2013 MC_5	18.1	X	137.48533	160.68055	169.14818	5.11668	0.2049040	0.29908597	2.2144813	21	—	—
466270 2013 MD_{10}	18.0	X	75.48394	220.60461	72.00765	2.24076	0.1853793	0.27319360	2.3522801	21	11 27.5	21.4
466271 2013 NK_5	15.4	X	244.62454	268.34787	294.60263	10.76399	0.1235744	0.18038539	3.1021906	21	—	—
466272 2013 NC_9	17.7	X	206.05538	266.27721	288.00936	5.74454	0.1160702	0.28952618	2.2629632	21	12 4.6	20.6
466273 2013 NR_{19}	18.2	X	196.38023	141.54172	130.56060	6.20200	0.2010299	0.30879230	2.1678293	21	—	—
466274 2013 OL_4	16.0	X	84.01429	276.10302	111.20390	10.39410	0.0466851	0.18185941	3.0854051	21	—	—
466275 2013 OF_7	17.6	X	313.37609	127.86431	171.15059	14.63220	0.1195214	0.22607557	2.6687033	21	5 10.5	21.1
466276 2013 OD_8	16.2	X	107.65240	224.50662	158.24745	10.96527	0.2248320	0.17604894	3.1529259	21	1 27.3	20.7
466277 2013 PH	17.5	X	123.74315	39.91043	274.91651	9.57879	0.2667617	0.28836010	2.2690598	21	—	—
466278 2013 PT	17.4	X	231.70086	146.78355	232.22002	7.03069	0.0366150	0.22158318	2.7046528	21	5 18.7	21.0
466279 2013 PB_4	15.9	X	106.28727	119.07255	276.64568	25.28792	0.3206552	0.17585553	3.1552373	21	2 11.5	21.1
466280 2013 PN_5	16.9	X	215.64074	10.61419	326.74187	11.14599	0.0504388	0.19882506	2.9072918	21	3 6.5	21.3
466281 2013 PQ_{12}	17.9	X	105.96672	156.19042	176.24429	6.12420	0.2069622	0.28773055	2.2723683	21	—	—
466282 2013 PP_{16}	18.0	X	65.71232	350.35090	299.17839	2.39926	0.1558420	0.26032788	2.4291571	21	11 6.4	21.3
466283 2013 PJ_{17}	17.0	X	273.99688	3.87821	318.61475	8.72750	0.1352487	0.21781674	2.7357425	21	4 9.9	21.1
466284 2013 PF_{18}	16.9	X	263.17224	245.64698	142.93755	12.70497	0.1161079	0.23616808	2.5921209	21	6 29.7	20.6
466285 2013 PC_{26}	17.1	X	10.17440	132.05915	206.15651	4.31918	0.2296898	0.25532503	2.4607857	21	11 3.9	19.1
466286 2013 PB_{29}	17.8	X	23.17623	85.94134	228.05139	0.63837	0.1951210	0.25566217	2.4586219	21	10 16.9	20.2
466287 2013 PH_{31}	18.0	X	147.50306	42.08907	246.50482	5.22555	0.2107814	0.29201704	2.2500763	21	—	—
466288 2013 PL_{31}	17.8	X	84.15261	190.50374	96.04760	2.07364	0.1327089	0.26568278	2.3964062	21	11 22.6	21.0
466289 2013 PX_{47}	18.7	X	123.77215	64.97147	203.22137	1.55503	0.1960360	0.27641155	2.3339878	21	12 12.2	22.3
466290 2013 PS_{48}	15.8	X	334.90163	217.98734	287.98147	9.29797	0.0554639	0.17861374	3.1226703	21	—	—
466291 2013 PK_{49}	18.2	X	84.64266	120.23980	176.31207	6.57309	0.1364401	0.27070743	2.3666604	21	12 7.4	21.7
466292 2013 PB_{53}	17.6	X	174.03338	17.93973	217.43071	6.98813	0.0754962	0.28047378	2.3113970	21	12 23.8	20.7
466293 2013 PT_{63}	17.7	X	113.84958	331.27351	289.18038	6.04354	0.2359527	0.27614382	2.3354962	21	11 25.0	21.6
466294 2013 PC_{65}	17.9	X	333.83742	123.11744	188.50357	6.39664	0.1065633	0.23829575	2.5766683	21	6 29.1	20.8
466295 2013 PW_{68}	17.6	X	103.67080	355.73294	286.65796	5.69246	0.1484833	0.27407811	2.3472165	21	12 9.2	21.2
466296 2013 PC_{71}	17.7	X	1.10100	35.34463	321.27746	5.57227	0.1196402	0.25973031	2.4328815	21	10 26.7	20.3
466297 2013 QR	18.0	X	146.30511	92.71955	190.31111	6.38519	0.1137751	0.28945218	2.2633489	21	—	—
466298 2013 QY_{10}	16.3	X	210.30835	318.71168	61.84781	8.84870	0.3379133	0.20487194	2.8498001	21	4 20.7	21.7
466299 2013 QN_{14}	17.4	X	260.02776	21.98229	334.51716	5.41290	0.0616062	0.21960405	2.7208785	21	5 19.8	21.2
466300 2013 QK_{18}	18.0	X	133.29052	156.45458	147.77978	5.08821	0.2004318	0.29091250	2.2557681	21	—	—
466301 2013 QC_{28}	17.8	X	155.85728	97.69589	156.95746	6.53810	0.1080662	0.28124360	2.3071772	21	12 26.8	21.2
466302 2013 QR_{34}	17.5	X	77.48838	211.60187	98.61350	7.68722	0.2040235	0.27428360	2.3460440	21	12 23.3	20.9
466303 2013 QX_{34}	17.6	X	51.83614	191.65298	126.55717	3.47897	0.2227100	0.26602465	2.3943527	21	12 8.5	20.9
466304 2013 QC_{39}	18.8	X	118.85878	71.41053	206.43351	2.97047	0.2365581	0.27968217	2.3157563	21	12 20.9	22.8
466305 2013 QF_{39}	17.3	X	244.63534	185.43439	176.63675	9.71436	0.1573768	0.21806222	2.7336889	21	5 2.8	21.6
466306 2013 QC_{43}	17.3	X	207.59810	57.89156	337.92278	6.33184	0.0182606	0.21706925	2.7420193	21	5 9.5	21.2
466307 2013 QY_{43}	17.6	X	346.00232	35.83562	276.82050	4.00337	0.0684555	0.23963479	2.5670607	21	7 24.5	20.6
466308 2013 QR_{47}	17.7	X	71.28304	63.05551	246.13087	4.71079	0.1982664	0.26731461	2.3866437	21	12 14.4	21.1
466309 2013 QX_{47}	16.9	X	294.22553	162.47436	192.42303	14.69482	0.2416012	0.22875491	2.6478239	21	6 6.1	20.6
466310 2013 QG_{48}	16.9	X	340.73774	329.69664	354.69257	16.33697	0.2407344	0.23824930	2.5770032	21	7 29.9	19.2
466311 2013 QQ_{58}	16.4	X	175.64315	289.87676	79.85910	4.23681	0.0802995	0.19593876	2.9357731	21	3 8.5	20.8
466312 2013 QJ_{64}	17.6	X	38.73469	349.23715	324.04438	7.33797	0.2191453	0.26214328	2.4179291	21	11 11.6	20.8
466313 2013 QK_{64}	17.2	X	318.76208	352.93900	312.86905	11.66808	0.1249667	0.23178768	2.6246767	21	5 20.8	20.6
466314 2013 QV_{64}	16.0	X	170.32385	327.82701	30.42170	9.82635	0.0833954	0.18821135	3.0155892	21	2 20.8	20.7
466315 2013 QE_{65}	16.4	X	251.92806	188.92914	141.59077	13.81055	0.1778374	0.21066272	2.7973336	21	4 1.9	21.0
466316 2013 QC_{68}	18.0	X	85.46024	299.34243	335.14763	1.68628	0.1992432	0.26619635	2.3933230	21	11 14.4	21.5
466317 2013 QH_{70}	16.0	X	143.73377	57.86125	307.85687	22.24450	0.2129838	0.17953927	3.1119295	21	2 8.1	21.0
466318 2013 QT_{70}	17.9	X	115.66120	278.98827	356.63189	4.40044	0.1325683	0.27578311	2.3375322	21	12 11.6	21.5
466319 2013 QJ_{74}	17.6	X	13.40396	37.56341	290.60151	4.87067	0.2059217	0.25643995	2.4536480	21	10 19.1	20.0
466320 2013 QO_{78}	17.3	X	55.35410	217.03666	85.53351	3.84713	0.2619198	0.26418198	2.4054736	21	11 27.1	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466321 2013 QB_{79}	16.9	X	270.16470	16.91074	332.35320	13.05872	0.2207243	0.22285525	2.6943508	21	4 27.5	21.3
466322 2013 QQ_{80}	16.6	X	259.44539	37.61049	339.80161	10.85292	0.1744967	0.22446558	2.6814491	21	5 31.6	20.8
466323 2013 QD_{82}	18.1	X	76.84166	70.39061	251.43361	0.67021	0.2044864	0.27726617	2.3291894	21	—	—
466324 2013 QQ_{82}	17.1	X	344.28418	14.35122	293.29425	4.78656	0.2906939	0.23844771	2.5755735	21	6 26.6	18.5
466325 2013 RR_{1}	17.6	X	275.60270	145.91103	180.68436	4.87491	0.1629199	0.21714772	2.7413587	21	4 19.0	21.5
466326 2013 RG_{8}	17.1	X	221.10818	74.52742	319.11037	5.13833	0.0520418	0.21766421	2.7370204	21	5 22.5	21.1
466327 2013 RR_{8}	17.3	X	185.74259	166.84578	223.59180	1.13099	0.0762640	0.20369469	2.8607698	21	4 10.1	21.5
466328 2013 RE_{16}	17.5	X	181.77115	285.89609	182.80135	3.83778	0.0472688	0.22954427	2.6417502	21	7 14.2	21.4
466329 2013 RB_{18}	16.9	X	289.62145	167.03695	183.11825	15.14328	0.1928960	0.22715879	2.6602126	21	6 1.9	20.8
466330 2013 RC_{19}	17.3	X	339.08192	97.02763	232.08676	7.59532	0.1784495	0.24020402	2.5630035	21	7 28.0	19.8
466331 2013 RG_{22}	16.5	X	153.24883	26.42848	353.92724	15.33874	0.2139534	0.18524283	3.0477204	21	3 8.8	21.4
466332 2013 RZ_{24}	17.1	X	153.50205	51.10466	12.25337	1.95492	0.0574468	0.20153577	2.8811638	21	4 14.6	21.3
466333 2013 RR_{25}	16.5	X	233.26142	23.96337	352.26403	9.11902	0.1405173	0.21091000	2.7951467	21	5 5.5	21.1
466334 2013 RJ_{26}	17.1	X	325.80335	138.49371	194.82476	13.39543	0.2414112	0.23515398	2.5995679	21	6 27.3	19.9
466335 2013 RF_{27}	16.3	X	80.65616	21.46092	101.24328	10.71203	0.0208148	0.20397164	2.8581797	21	3 31.2	20.4
466336 2013 RK_{28}	16.9	X	205.39440	330.07632	57.69144	2.67235	0.0883502	0.20316075	2.8657799	21	4 28.3	21.1
466337 2013 RU_{28}	16.8	X	142.24893	17.10258	17.99982	6.45901	0.1623796	0.18223583	3.0811549	21	3 12.8	21.6
466338 2013 RD_{29}	17.7	X	13.45199	283.47263	16.39049	11.46075	0.2014967	0.24005327	2.5640764	21	9 9.5	20.1
466339 2013 RS_{30}	16.4	X	259.73795	358.22760	355.02251	5.49664	0.0706722	0.21453021	2.7636121	21	5 14.1	20.4
466340 2013 RN_{32}	18.0	X	43.21472	215.55435	115.74977	2.50212	0.2043887	0.26303612	2.4124545	21	12 12.1	21.0
466341 2013 RG_{33}	17.4	X	23.97353	247.23380	100.46863	2.46387	0.2009362	0.25946014	2.4345701	21	12 6.9	20.1
466342 2013 RQ_{36}	16.8	X	103.96875	287.36948	120.54391	0.07798	0.2122727	0.17375346	3.1806344	21	2 21.8	21.3
466343 2013 RL_{37}	16.5	X	194.37839	344.21864	4.66836	12.79992	0.1284948	0.19093065	2.9868880	21	3 5.2	21.3
466344 2013 RT_{40}	16.5	X	305.17338	321.53771	6.46455	12.08211	0.2058112	0.22606596	2.6687789	21	5 16.6	20.0
466345 2013 RM_{45}	16.0	X	162.74032	82.65723	277.24840	9.13693	0.0947547	0.18221616	3.0813766	21	2 9.3	20.8
466346 2013 RW_{48}	17.0	X	306.97670	134.52917	181.93238	6.33976	0.1536769	0.22455862	2.6807083	21	5 17.6	20.3
466347 2013 RS_{49}	16.9	X	183.92139	162.34972	262.02974	4.79624	0.0586683	0.21263962	2.7799688	21	5 19.9	20.9
466348 2013 RA_{51}	16.7	X	326.71176	273.21563	349.74916	11.75642	0.0542597	0.20940597	2.8085145	21	4 14.1	20.6
466349 2013 RP_{52}	17.7	X	60.38955	105.88567	115.35946	4.00076	0.0561288	0.23127080	2.6285860	21	7 11.3	21.0
466350 2013 RS_{54}	16.3	X	131.77348	207.03157	221.92313	10.41385	0.0848844	0.19591055	2.9360549	21	3 28.9	20.6
466351 2013 RT_{55}	16.3	X	142.52671	147.61207	246.89484	9.26870	0.1125691	0.18864675	3.0109474	21	2 28.7	21.0
466352 2013 RF_{57}	17.7	X	330.77936	114.06759	212.31278	4.05523	0.1985025	0.23596243	2.5936268	21	7 4.8	20.3
466353 2013 RE_{58}	17.8	X	346.39269	142.84785	198.60056	9.28648	0.1130044	0.24415910	2.5352499	21	9 3.7	20.5
466354 2013 RT_{58}	16.5	X	111.97106	253.09049	197.24176	10.86412	0.0806592	0.19581165	2.9370434	21	4 2.7	20.6
466355 2013 RY_{58}	17.8	X	76.06028	76.67052	212.85816	4.45117	0.2182338	0.26396675	2.4067810	21	11 26.5	21.4
466356 2013 RO_{60}	15.8	X	136.89481	49.56002	321.62773	15.87251	0.2225291	0.17728535	3.1382496	21	2 12.3	20.8
466357 2013 RQ_{60}	16.7	X	295.33960	2.01197	14.35280	12.44843	0.1686738	0.23203628	2.6228017	21	7 23.6	20.1
466358 2013 RV_{60}	16.7	X	14.37081	22.57867	274.88851	7.84398	0.0863700	0.23750440	2.5823887	21	8 17.2	19.7
466359 2013 RX_{61}	17.5	X	246.41544	4.66692	343.48042	2.42603	0.0346734	0.21118498	2.7927198	21	4 26.4	21.3
466360 2013 RG_{62}	17.8	X	84.90241	332.90279	295.65867	0.83455	0.1506341	0.25923792	2.4359612	21	10 31.7	21.4
466361 2013 RZ_{62}	17.0	X	189.88993	211.55612	175.25046	2.05744	0.0779715	0.20363675	2.8613124	21	4 10.7	21.3
466362 2013 RH_{63}	16.7	X	121.14542	42.82063	355.17365	7.84802	0.1109069	0.18207398	3.0829806	21	2 16.7	21.1
466363 2013 RL_{71}	15.8	X	151.08029	329.06785	9.79658	17.78880	0.1110334	0.17263210	3.1943930	21	1 14.3	21.0
466364 2013 RU_{74}	16.3	X	155.34858	254.55168	198.86964	13.48191	0.0814226	0.20995103	2.8036516	21	5 27.6	20.6
466365 2013 RD_{78}	16.6	X	25.09470	126.98479	353.86849	10.53814	0.0768026	0.17781753	3.1319850	21	1 17.6	20.7
466366 2013 RM_{81}	18.1	X	121.80910	293.18430	341.14204	2.06856	0.2202014	0.27552065	2.3390165	21	12 18.2	22.0
466367 2013 RN_{82}	16.3	X	186.93099	146.81441	206.29152	8.70916	0.1194947	0.18657867	3.0331558	21	2 25.9	21.2
466368 2013 RT_{85}	16.5	X	137.02390	36.62686	357.35369	16.73228	0.1528351	0.18023647	3.1038991	21	3 6.6	21.3
466369 2013 RO_{86}	17.2	X	282.77772	161.88370	193.53489	16.43236	0.2755763	0.22377397	2.6869712	21	5 19.8	21.3
466370 2013 RC_{88}	16.1	X	56.66588	274.68986	204.51491	13.01899	0.1038769	0.18123635	3.0924724	21	2 25.4	20.2
466371 2013 RJ_{88}	16.9	X	1.79077	60.47744	202.35363	12.84548	0.0873576	0.22021397	2.7158522	21	6 9.4	20.3
466372 2013 RA_{89}	16.8	X	172.95611	33.31115	350.35970	11.23048	0.0983196	0.19152672	2.9806877	21	3 20.5	21.3
466373 2013 RY_{89}	15.8	X	15.22146	158.89555	349.08220	10.10449	0.0902174	0.17859218	3.1229217	21	2 5.3	19.7
466374 2013 RY_{90}	15.9	X	98.67540	218.94442	205.68175	10.28884	0.0920168	0.17829190	3.1264271	21	2 14.8	20.5
466375 2013 RB_{93}	17.0	X	14.86828	97.17205	195.33730	13.90666	0.1553282	0.23589460	2.5941239	21	8 16.6	19.9
466376 2013 RN_{93}	16.9	X	178.91967	23.21688	358.78928	10.36235	0.1051386	0.19287799	2.9667499	21	3 25.2	21.6
466377 2013 RQ_{96}	17.5	X	335.84401	53.76609	262.98607	5.86647	0.1251990	0.23442564	2.6049495	21	7 8.7	20.2
466378 2013 SS_{8}	16.0	X	109.21195	45.92017	2.36597	16.45208	0.2170684	0.17534774	3.1613259	21	3 4.4	20.7
466379 2013 SY_{14}	17.5	X	53.97642	309.66085	9.42603	11.82136	0.2005925	0.26162095	2.4211463	21	12 5.6	21.1
466380 2013 SU_{15}	18.1	X	105.68199	110.00356	180.09455	2.41788	0.1672851	0.27012864	2.3700397	21	12 21.2	21.9
466381 2013 SP_{16}	17.9	X	20.77417	137.19979	186.11792	12.14974	0.2094246	0.25235044	2.4800856	21	10 30.3	20.5
466382 2013 SO_{21}	17.3	X	184.51660	289.35274	111.00863	2.66099	0.0488605	0.20098238	2.8864501	21	4 22.2	21.5
466383 2013 SX_{26}	16.2	X	15.69487	115.13124	40.92528	10.43313	0.0407658	0.18140925	3.0905072	21	2 19.1	20.5
466384 2013 SQ_{33}	16.4	X	345.27775	163.16653	154.62030	16.40621	0.2057462	0.23735607	2.5834644	21	7 24.1	18.9
466385 2013 SK_{34}	16.1	X	142.65290	346.48743	5.14356	9.13651	0.0673590	0.17484602	3.1673706	21	1 12.9	20.8
466386 2013 SX_{38}	16.5	X	139.94817	356.00693	15.64072	18.38053	0.0778330	0.17743153	3.1365257	21	2 9.2	21.4
466387 2013 SD_{42}	15.9	X	91.69720	274.87013	150.36045	11.15761	0.1024804	0.17705313	3.1409930	21	2 11.2	20.2
466388 2013 SO_{42}	16.5	X	296.76069	330.84367	27.24234	14.18409	0.3251103	0.23072388	2.6327382	21	5 27.1	20.2
466389 2013 SH_{43}	16.2	X	189.62027	313.92407	73.12106	10.25599	0.0486053	0.19948045	2.9009205	21	4 14.7	20.6
466390 2013 SQ_{45}	16.5	X	186.68324	297.60648	24.84880	10.70517	0.0613789	0.17892564	3.1190404	21	1 25.8	21.4
466391 2013 SV_{45}	16.5	X	163.99879	115.68634	284.05412	7.66076	0.1196012	0.20004460	2.8954640	21	3 28.6	21.1
466392 2013 SK_{46}	17.0	X	81.62098	71.73378	8.63141	9.05712	0.0253793	0.18273399	3.0755525	21	2 9.3	21.3
466393 2013 SF_{47}	17.5	X	320.12639	246.08886	78.79216	0.63110	0.2057838	0.23156813	2.6263354	21	6 10.1	20.2
466394 2013 SO_{47}	17.4	X	25.56805	247.82461	1.56682	12.74658	0.1503630	0.22943808	2.6425652	21	7 9.4	20.4
466395 2013 SC_{51}	16.7	X	255.69892	290.59133	24.30110	15.37777	0.2806730	0.20404106	2.8575314	21	3 12.4	21.7
466396 2013 SL_{51}	16.6	X	186.96010	269.36354	105.48815	4.12194	0.1920380	0.19115812	2.9845181	21	3 29.2	21.6
466397 2013 SS_{56}	16.8	X	246.42516	287.78839	85.36778	4.42624	0.1030385	0.21488088	2.7606046	21	5 22.7	20.9
466398 2013 SL_{61}	17.0	X	236.67924	19.83478	330.85213	5.62564	0.0225233	0.20843957	2.8171887	21	4 17.5	21.0
466399 2013 SQ_{61}	18.2	X	51.32748	35.70743	254.38223	0.87598	0.1792329	0.25442360	2.4665947	21	10 23.4	21.1
466400 2013 SZ_{61}	16.6	X	65.67833	79.75660	358.34784	3.88392	0.1616086	0.17105737	3.2139678	21	2 1.0	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466401 2013 SX_{63}	17.5	X	28.38396	123.47986	213.69062	4.54617	0.2486605	0.26121576	2.4236494	21	12 7.2	20.3
466402 2013 SE_{64}	17.2	X	113.98445	112.69507	292.60112	0.94555	0.1613873	0.18102561	3.0948721	21	2 21.8	21.7
466403 2013 SB_{66}	16.9	X	119.16685	252.81737	161.46834	6.00677	0.1654793	0.18190177	3.0849261	21	3 11.4	21.4
466404 2013 SG_{67}	17.1	X	160.14907	221.20689	175.31836	5.96692	0.0754965	0.19437288	2.9515191	21	3 22.5	21.5
466405 2013 SQ_{68}	17.0	X	191.76536	209.18731	167.13960	6.31073	0.1010600	0.19882089	2.9073325	21	4 1.3	21.5
466406 2013 SQ_{72}	17.4	X	33.61226	262.28416	338.98686	1.59413	0.1413792	0.23005132	2.6378670	21	7 8.9	20.1
466407 2013 SH_{74}	17.3	X	218.58123	339.87422	0.70108	1.41234	0.0620379	0.19779128	2.9174133	21	3 16.0	21.7
466408 2013 SC_{79}	17.0	X	207.22293	254.86720	153.32071	6.93461	0.0379226	0.21294367	2.7773219	21	5 28.7	21.0
466409 2013 SE_{79}	17.4	X	354.60496	273.55245	17.70263	4.25994	0.0577409	0.22779614	2.6552483	21	7 9.0	20.6
466410 2013 SN_{80}	17.5	X	301.37533	102.78072	212.87842	3.36088	0.0525347	0.21531031	2.7569327	21	5 23.7	21.2
466411 2013 SR_{80}	16.6	X	164.12409	22.32943	351.63571	5.53187	0.1544938	0.18595680	3.0399143	21	3 6.0	21.5
466412 2013 SV_{80}	17.2	X	273.78279	2.05162	349.18820	5.59617	0.0753097	0.21797483	2.7344195	21	5 28.9	21.0
466413 2013 SA_{81}	16.9	X	179.12632	259.93969	183.51011	12.54511	0.0413706	0.21738851	2.7393340	21	6 9.1	21.0
466414 2013 TH_{1}	16.7	X	218.42826	350.90372	50.28567	7.24869	0.1092762	0.21216808	2.7840863	21	5 26.5	20.8
466415 2013 TD_{2}	16.5	X	224.19904	50.63109	294.85984	8.28915	0.0862954	0.19872254	2.9082917	21	3 22.4	21.1
466416 2013 TX_{4}	17.0	X	82.94517	195.49271	91.98358	18.68432	0.2885292	0.26225650	2.4172331	21	12 7.3	21.1
466417 2013 TQ_{6}	17.5	X	331.39788	20.86241	302.52316	2.60005	0.2045954	0.23446866	2.6046308	21	7 1.3	19.9
466418 2013 TY_{6}	16.6	X	273.20663	66.98219	263.12154	5.18970	0.0666774	0.21265705	2.7798169	21	5 1.7	20.5
466419 2013 TL_{7}	17.1	X	107.59341	124.33492	195.04409	21.65966	0.3014255	0.27603078	2.3361338	21	—	—
466420 2013 TF_{10}	16.9	X	268.72893	208.90358	150.03822	6.98413	0.0903625	0.21890474	2.7266702	21	6 2.1	20.8
466421 2013 TH_{17}	16.3	X	305.74716	342.64392	244.26401	8.27719	0.0367896	0.17976477	3.1093265	21	2 8.1	20.8
466422 2013 TA_{21}	16.5	X	171.45918	338.73909	26.64912	9.51245	0.0966830	0.18587322	3.0408255	21	3 3.0	21.2
466423 2013 TV_{27}	15.9	X	5.87071	130.79313	13.28611	32.01896	0.0823840	0.17260593	3.1947159	21	2 1.4	20.7
466424 2013 TR_{29}	16.8	X	263.67065	138.95701	205.29227	12.50856	0.1587440	0.21223814	2.7834735	21	4 28.9	20.9
466425 2013 TK_{30}	16.6	X	128.96827	15.36700	47.01531	9.85510	0.1189155	0.18054976	3.1003075	21	3 29.7	21.3
466426 2013 TG_{32}	17.6	X	343.81967	248.17871	99.60223	3.40436	0.2676659	0.24196049	2.5505847	21	9 13.6	19.0
466427 2013 TZ_{33}	15.8	X	35.47688	303.15869	206.70562	26.90914	0.1291907	0.17633047	3.1495691	21	3 4.7	20.1
466428 2013 TR_{39}	17.6	X	0.37664	91.07487	200.52112	10.66926	0.1822376	0.22895459	2.6462842	21	7 17.0	20.3
466429 2013 TE_{43}	17.0	X	355.30141	287.21777	14.41489	8.06075	0.1869397	0.23049830	2.6344557	21	7 27.6	19.5
466430 2013 TD_{46}	16.7	X	73.60472	87.97420	20.36514	9.91766	0.0810889	0.18074527	3.0980714	21	3 12.3	20.8
466431 2013 TS_{47}	16.8	X	352.73302	75.06893	205.14017	14.34764	0.1458853	0.22158140	2.7046673	21	6 15.4	19.9
466432 2013 TX_{48}	17.0	X	169.76039	2.65980	17.11049	4.29997	0.1540895	0.18708302	3.0277020	21	3 18.2	21.7
466433 2013 TV_{51}	17.4	X	327.84477	131.83464	197.11881	10.94503	0.2637722	0.23480446	2.6021470	21	6 21.7	20.0
466434 2013 TW_{51}	16.8	X	209.69800	150.00810	227.53652	1.12283	0.0806955	0.20384390	2.8593736	21	4 19.6	21.0
466435 2013 TE_{57}	16.2	X	168.75010	153.19005	216.55469	15.23226	0.0870819	0.18394049	3.0620891	21	2 24.3	21.2
466436 2013 TG_{59}	17.2	X	3.19773	86.13896	225.79248	12.81738	0.1351840	0.23580769	2.5947613	21	8 19.0	20.2
466437 2013 TC_{64}	16.9	X	158.93126	183.95773	212.81032	9.10480	0.0321755	0.18893632	3.0078701	21	3 15.8	21.4
466438 2013 TH_{70}	16.9	X	148.21827	250.02618	132.23880	1.98096	0.1725267	0.18213182	3.0823279	21	3 3.1	21.8
466439 2013 TL_{70}	16.3	X	159.16400	164.18612	184.54509	10.68432	0.0980325	0.17688437	3.1429906	21	1 25.6	21.3
466440 2013 TW_{70}	16.8	X	264.59523	348.98394	12.27108	14.71137	0.1484499	0.21830987	2.7316212	21	5 17.2	21.0
466441 2013 TL_{71}	16.7	X	335.55003	303.35769	2.20147	10.38942	0.0757708	0.22293210	2.6937315	21	6 27.5	20.1
466442 2013 TX_{72}	16.4	X	141.85128	321.70620	60.77702	4.15344	0.1082848	0.17625753	3.1504380	21	2 21.3	21.1
466443 2013 TQ_{81}	17.2	X	277.11907	237.13940	94.36939	2.88937	0.0779285	0.21371827	2.7706071	21	5 8.9	20.9
466444 2013 TE_{82}	16.7	X	28.71824	341.40332	186.05112	4.82245	0.1155290	0.19250066	2.9706255	21	3 17.5	20.0
466445 2013 TQ_{84}	16.8	X	259.01818	98.12655	245.44820	4.54976	0.0834897	0.20598113	2.8395602	21	4 30.7	20.9
466446 2013 TG_{85}	16.1	X	332.89263	205.19634	337.49600	9.51112	0.0440676	0.17796238	3.1302852	21	1 24.3	20.5
466447 2013 TA_{88}	17.1	X	285.37558	279.23140	30.78140	3.62502	0.0801149	0.20927198	2.8097132	21	4 20.7	20.9
466448 2013 TJ_{90}	17.0	X	209.00499	191.19911	195.73717	15.06738	0.1388012	0.20397959	2.8581054	21	4 30.6	21.6
466449 2013 TH_{95}	16.0	X	194.30111	259.45217	47.18781	13.17080	0.1087007	0.16885446	3.2418607	21	1 17.2	21.3
466450 2013 TL_{96}	16.2	X	357.03966	156.24564	353.26843	9.13593	0.0528964	0.16972913	3.2307136	21	1 16.4	20.6
466451 2013 TO_{96}	16.2	X	150.38927	102.19696	261.97980	3.55386	0.1439919	0.17585635	3.1552275	21	2 8.9	21.1
466452 2013 TF_{98}	16.3	X	178.40695	332.84761	37.21768	17.15906	0.1047703	0.18492298	3.0512336	21	3 19.8	21.2
466453 2013 TL_{98}	16.5	X	161.41818	229.86379	138.36743	2.70673	0.1406611	0.17803235	3.1294650	21	2 24.9	21.5
466454 2013 TM_{98}	16.5	X	169.05115	286.06378	91.32783	3.56135	0.1333882	0.18309130	3.0715499	21	3 15.1	21.4
466455 2013 TF_{104}	16.3	X	147.47990	10.79547	18.23086	10.26243	0.0688866	0.18018295	3.1045137	21	3 4.2	20.9
466456 2013 TM_{105}	17.5	X	346.71257	214.62985	120.39280	6.41296	0.1995725	0.24132592	2.5550539	21	8 30.2	19.5
466457 2013 TZ_{107}	16.0	X	59.38329	205.38603	193.02748	8.71546	0.1369813	0.15161061	3.4832367	21	—	—
466458 2013 TU_{108}	16.9	X	77.76242	126.89778	312.76024	1.46144	0.0989794	0.17103650	3.2142292	21	2 11.3	21.2
466459 2013 TR_{112}	16.7	X	131.52504	314.09192	83.27487	2.99075	0.0984188	0.17708899	3.1405691	21	2 26.1	21.2
466460 2013 TH_{115}	16.2	X	154.38468	155.98278	229.17776	8.78797	0.0776606	0.17640801	3.1486461	21	3 1.2	21.1
466461 2013 TH_{120}	16.8	X	265.95677	270.44891	73.81040	4.27765	0.1926362	0.21619078	2.7494423	21	4 27.7	20.9
466462 2013 TY_{121}	16.7	X	215.20643	308.71959	42.98756	10.89439	0.1138161	0.18922941	3.0047635	21	3 29.3	21.5
466463 2013 TG_{122}	16.1	X	179.37408	307.61381	47.82350	10.16075	0.0803854	0.17660813	3.1462671	21	2 28.7	21.0
466464 2013 TK_{124}	16.0	X	109.10680	209.81281	211.58570	26.75013	0.1572505	0.17515879	3.1635989	21	3 2.5	21.0
466465 2013 TH_{125}	16.8	X	273.21462	123.61342	226.94029	2.84436	0.1088070	0.21316422	2.7754059	21	5 24.0	20.7
466466 2013 TJ_{127}	16.6	X	91.92611	187.95077	225.80284	4.01717	0.1558272	0.17336556	3.1853769	21	2 4.7	21.0
466467 2013 TO_{128}	17.7	X	98.27690	74.15360	205.09644	10.92972	0.2649367	0.26874203	2.3781851	21	12 7.2	21.8
466468 2013 TA_{129}	16.6	X	87.14911	110.22104	317.06054	7.00993	0.1660592	0.17426489	3.1744083	21	2 16.9	20.7
466469 2013 TN_{130}	16.1	X	149.18873	28.32569	18.54529	10.28024	0.2186572	0.18525514	3.0475853	21	4 4.8	21.2
466470 2013 TB_{133}	16.7	X	339.35192	237.78606	62.50400	10.33006	0.0463364	0.21774492	2.7363440	21	6 27.4	20.2
466471 2013 TU_{133}	17.1	X	357.76167	294.06792	22.39303	15.30184	0.1714842	0.23777441	2.5804334	21	9 1.4	19.8
466472 2013 TM_{138}	16.6	X	142.86265	26.18047	25.08151	11.27464	0.0927001	0.18771612	3.0208906	21	3 26.4	21.2
466473 2013 TT_{139}	16.2	X	93.02839	34.03966	25.17026	17.85339	0.1354664	0.17240789	3.1971618	21	2 20.3	20.9
466474 2013 TU_{139}	17.5	X	358.01332	257.69408	50.38941	2.19700	0.1900883	0.23686851	2.5870083	21	8 12.1	19.7
466475 2013 TY_{140}	16.5	X	98.24545	274.50751	183.54070	9.29552	0.1307354	0.18585586	3.0410148	21	4 4.8	20.8
466476 2013 TR_{141}	17.0	X	254.43344	203.47507	134.23684	2.84073	0.0585828	0.20486186	2.8498935	21	4 22.8	21.1
466477 2013 TD_{143}	16.4	X	179.95362	137.05492	225.70095	4.17693	0.1661148	0.17995495	3.1071355	21	3 6.1	21.6
466478 2013 UU_{2}	16.2	X	289.50841	304.28917	20.30031	20.69465	0.2725938	0.21346623	2.7727876	21	4 15.5	20.4
466479 2013 UR_{6}	17.2	X	332.85635	158.41966	171.02795	12.83458	0.2641694	0.23192950	2.6236066	21	7 4.5	19.8
466480 2013 UU_{9}	16.5	X	239.92454	236.82436	63.28295	9.36184	0.1822525	0.18693288	3.0293230	21	2 16.4	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466481 2013 UJ_{13}	16.1	X	126.38169	223.26365	197.30574	17.64635	0.1878363	0.18162510	3.0880581	21	3 27.5	20.8
466482 2013 UC_{14}	15.6	X	235.56209	6.52492	295.97995	15.63042	0.1350719	0.18420423	3.0591656	21	2 10.3	20.6
466483 2013 VO_{2}	16.2	X	166.55089	354.97968	22.36329	9.98569	0.1899873	0.18362571	3.0655876	21	3 16.8	21.3
466484 2013 VY_{3}	16.5	X	300.52908	259.68430	76.02367	10.53150	0.1431519	0.21778352	2.7360206	21	6 4.4	20.1
466485 2013 VG_{11}	16.4	X	169.59326	132.47918	239.53582	3.76972	0.1736895	0.18245316	3.0787077	21	3 7.9	21.4
466486 2013 VZ_{19}	16.0	X	182.62321	347.82708	29.81926	15.92561	0.2200632	0.18933780	3.0036167	21	3 31.6	21.2
466487 2013 VD_{22}	16.1	X	156.27114	356.40831	16.35771	17.33969	0.1912318	0.17704786	3.1410554	21	3 7.1	21.4
466488 2013 WB_{3}	16.6	X	220.42666	9.81562	339.07789	4.06318	0.2728552	0.19571301	2.9380302	21	3 20.6	21.8
466489 2013 WQ_{6}	16.1	X	179.40430	336.51135	52.83322	11.96647	0.0351575	0.18499608	3.0504298	21	4 7.1	20.6
466490 2013 WK_{11}	16.1	X	281.48357	209.11065	81.05639	10.74993	0.2295767	0.19004135	2.9961989	21	3 10.9	20.9
466491 2013 WB_{22}	16.5	X	350.32716	183.68043	139.95582	9.52182	0.1406340	0.22645588	2.6657146	21	8 16.8	19.0
466492 2013 WP_{23}	15.5	X	337.29694	353.50353	225.62400	28.12956	0.1447103	0.17477642	3.1682114	21	2 20.3	20.2
466493 2013 WV_{26}	16.5	X	290.81620	286.76253	50.10757	13.28870	0.1038517	0.21050752	2.7987083	21	5 28.1	20.2
466494 2013 WB_{30}	16.8	X	203.73784	293.99098	53.29655	0.84273	0.1994101	0.18288646	3.0738430	21	3 9.8	21.9
466495 2013 WN_{30}	16.2	X	280.85349	200.80317	64.92797	10.35051	0.0453440	0.17428809	3.1741266	21	3 5.5	20.9
466496 2013 WU_{40}	16.2	X	194.97959	259.80003	68.15493	16.37119	0.2428436	0.17287986	3.1913403	21	2 16.3	22.0
466497 2013 WC_{61}	16.1	X	142.95441	323.57396	69.54119	18.79722	0.1725010	0.17673112	3.1448072	21	3 21.5	21.4
466498 2013 WD_{62}	16.0	X	136.50549	354.94789	48.20639	10.83893	0.1028407	0.17407696	3.1766925	21	3 15.2	20.9
466499 2013 WA_{63}	15.7	X	169.18842	278.83554	103.55348	16.28351	0.2403623	0.17992992	3.1074236	21	4 1.1	21.3
466500 2013 WQ_{98}	15.4	X	304.15892	195.45837	70.47503	16.75484	0.0277798	0.17746444	3.1361380	21	4 8.6	20.0
466501 2013 WF_{105}	16.1	X	336.04754	93.41797	104.37407	14.99036	0.0899654	0.17583133	3.1555268	21	2 10.9	20.4
466502 2013 YY_{53}	15.4	X	237.40171	50.42145	269.12383	14.61062	0.0754477	0.17514812	3.1637274	21	3 5.1	20.5
466503 2013 YJ_{103}	15.7	X	32.93084	224.48710	70.66189	33.14676	0.1988583	0.23316477	2.6143321	21	10 25.1	19.6
466504 2014 AX_{20}	15.9	X	166.61827	332.04250	79.35480	12.36264	0.0526727	0.18346302	3.0673996	21	4 21.4	20.6
466505 2014 AH_{51}	17.8	X	136.35854	244.14378	337.38416	18.78406	0.0244034	0.35097270	1.9904617	21	10 22.3	20.6
466506 2014 DE_{89}	16.1	X	200.05689	175.29368	28.02984	9.24178	0.0767089	0.21462391	2.7628076	21	11 29.5	20.3
466507 2014 FK_{33}	20.8	X	59.97982	328.17984	15.77190	26.95730	0.5035271	1.02292929	0.9755263	21	—	—
466508 2014 GY_{48}	18.6	X	170.76595	212.79729	37.63062	39.62155	0.4181923	0.48258739	1.6097264	21	—	—
466509 2014 OP_{28}	18.5	X	263.88983	320.89374	95.53771	4.10564	0.2303688	0.27964631	2.3159543	21	7 23.3	21.6
466510 2014 OP_{122}	18.2	X	211.48045	306.01656	130.50734	3.33617	0.1501306	0.27041283	2.3683789	21	7 1.4	21.8
466511 2014 OH_{187}	18.0	X	11.82822	181.94640	192.05439	5.75762	0.0864312	0.30025795	2.2087151	21	12 16.6	20.4
466512 2014 OE_{295}	18.0	X	296.06757	55.17771	343.99408	3.60401	0.1426660	0.27685855	2.3314750	21	8 30.9	20.3
466513 2014 OW_{338}	18.4	X	47.81707	110.85164	317.70234	8.24336	0.1928448	0.34763419	2.0031850	21	—	—
466514 2014 PO_{44}	17.6	X	300.19368	217.10593	175.62447	2.75829	0.2637365	0.28254759	2.3000731	21	8 5.5	19.5
466515 2014 PJ_{56}	18.0	X	301.04279	68.69532	323.65336	4.57010	0.1763063	0.27872800	2.3210384	21	8 23.5	20.2
466516 2014 QV_{140}	16.7	X	62.70732	259.45757	149.87609	6.64324	0.1303943	0.18870654	3.0103114	21	—	—
466517 2014 QS_{204}	18.0	X	278.87490	213.00984	206.95786	2.07776	0.2024493	0.27974215	2.3154253	21	8 21.6	20.6
466518 2014 QD_{214}	18.1	X	273.65506	194.08119	218.19237	1.73089	0.1572974	0.27587202	2.3370300	21	8 9.9	20.9
466519 2014 QP_{368}	17.1	X	177.97772	340.99636	90.74173	9.21884	0.1570514	0.23187100	2.6240479	21	5 25.7	21.4
466520 2014 QJ_{369}	18.0	X	302.83772	20.68980	32.55775	3.34732	0.1907985	0.28568744	2.2831894	21	9 30.7	19.8
466521 2014 QR_{373}	18.3	X	230.80622	337.61540	357.31238	21.92418	0.0938766	0.37516252	1.9039539	21	3 3.4	20.6
466522 2014 QH_{377}	17.9	X	239.73955	245.64556	192.35831	9.36920	0.1603933	0.26626292	2.3929241	21	7 30.4	21.5
466523 2014 QC_{409}	17.2	X	198.96261	44.50068	27.89448	4.12479	0.2040311	0.23686422	2.5870396	21	6 12.4	21.6
466524 2014 QV_{420}	18.1	X	305.29382	356.25837	45.04944	3.09321	0.1923833	0.28084663	2.3093508	21	9 15.8	19.8
466525 2014 QC_{421}	17.8	X	325.66137	236.75237	18.73838	21.92252	0.0284935	0.37498502	1.9045546	21	3 24.7	19.6
466526 2014 QA_{432}	16.6	X	130.07620	93.35461	28.47087	15.65323	0.0683155	0.23159350	2.6261436	21	5 28.1	20.5
466527 2014 QN_{438}	17.7	X	318.94590	352.90145	62.38907	7.83951	0.1775147	0.27913055	2.3188063	21	11 11.2	19.4
466528 2014 RV_{58}	18.5	X	323.01247	88.90737	15.22625	3.32393	0.0869676	0.31237169	2.1512371	21	—	—
466529 2014 SF	18.0	X	325.39974	240.39336	28.27202	22.24748	0.1200322	0.38592536	1.8683884	21	3 29.3	19.7
466530 2014 SR	15.9	X	228.48210	223.38931	176.98085	32.80309	0.2314985	0.23962146	2.5671559	21	5 29.8	20.9
466531 2014 SF_{23}	16.6	X	87.60387	263.42976	172.88858	4.46891	0.0506035	0.21027246	2.8007937	21	2 5.7	20.2
466532 2014 SF_{56}	17.8	X	225.05371	73.50987	16.78367	10.64719	0.1747882	0.26641048	2.3920404	21	8 5.4	21.6
466533 2014 SH_{57}	18.1	X	299.12255	303.04654	117.64620	4.69628	0.1383822	0.28680942	2.2772311	21	10 14.5	20.1
466534 2014 SJ_{96}	18.4	X	252.30884	147.18939	266.25102	1.71907	0.1636555	0.26173324	2.4204538	21	7 13.4	21.8
466535 2014 SP_{119}	17.0	X	20.85988	78.34945	29.54197	4.69613	0.1508008	0.18698322	3.0287793	21	—	—
466536 2014 SR_{123}	18.4	X	285.69317	352.01977	71.74163	2.38229	0.1663976	0.27793182	2.3254689	21	9 16.6	20.6
466537 2014 SH_{147}	18.3	X	291.47148	82.34501	31.13872	4.80548	0.0775790	0.30331058	2.1938706	21	12 27.6	20.4
466538 2014 SR_{154}	18.3	X	332.83581	95.06027	357.63613	6.11272	0.0780294	0.30881700	2.1677137	21	—	—
466539 2014 SA_{158}	18.0	X	20.25516	137.46063	218.15814	3.01629	0.1024467	0.29259034	2.2471362	21	12 3.9	20.3
466540 2014 SY_{160}	18.1	X	191.01778	188.83710	195.08424	21.54550	0.0817590	0.37281375	1.9119422	21	3 17.6	20.3
466541 2014 SD_{212}	16.9	X	104.70766	344.23673	121.91631	9.65184	0.2689497	0.20329538	2.8645146	21	5 12.3	21.4
466542 2014 SD_{225}	18.5	X	248.44241	126.11988	182.21618	21.90029	0.0711294	0.37275240	1.9121520	21	2 5.7	21.1
466543 2014 SO_{226}	18.0	X	270.22336	285.14519	170.13278	6.28216	0.0504099	0.28977558	2.2616645	21	10 29.0	20.5
466544 2014 SD_{227}	15.6	X	130.19331	245.37783	140.06472	9.96720	0.0224712	0.19894054	2.9061667	21	1 25.9	19.8
466545 2014 SM_{233}	17.8	X	176.79437	289.11666	165.47384	5.54455	0.1361802	0.24196490	2.5505537	21	6 21.1	21.8
466546 2014 SN_{287}	18.3	X	357.38426	40.62535	352.29912	3.69123	0.1967320	0.29632284	2.2282263	21	—	—
466547 2014 SD_{291}	17.8	X	271.41055	138.09387	308.59855	3.61725	0.1277937	0.28493248	2.2872207	21	10 1.1	20.4
466548 2014 SJ_{299}	16.6	X	46.34653	71.38225	20.13275	24.85063	0.3028790	0.17848399	3.1241836	21	2 8.7	20.1
466549 2014 SK_{301}	16.3	X	37.94274	47.33276	38.19890	23.08975	0.2235160	0.18045645	3.1013761	21	—	—
466550 2014 SX_{307}	17.8	X	358.38327	8.21296	23.50680	5.13695	0.2408602	0.29222070	2.2490308	21	—	—
466551 2014 SN_{310}	18.6	X	38.49979	159.74990	212.95637	4.56272	0.1617258	0.30090723	2.2055368	21	—	—
466552 2014 SS_{310}	16.9	X	152.03954	207.55553	219.25937	7.43024	0.2087562	0.21509053	2.7588104	21	4 27.9	21.3
466553 2014 SZ_{318}	17.9	X	186.73321	285.48835	157.12684	2.84870	0.1969938	0.23896686	2.5718419	21	6 15.3	22.1
466554 2014 SP_{319}	17.5	X	294.49687	176.81596	193.78469	6.54497	0.1292093	0.26232040	2.4168406	21	7 15.3	20.3
466555 2014 SR_{320}	17.4	X	142.83267	289.24096	179.60943	3.41386	0.1731454	0.23226941	2.6210464	21	6 8.3	21.5
466556 2014 SB_{323}	17.8	X	254.49001	55.68558	73.86261	5.93296	0.2233055	0.28753461	2.2734006	21	10 25.9	20.4
466557 2014 SG_{330}	18.1	X	305.18798	45.83210	355.07190	5.53654	0.1031640	0.27404666	2.3473961	21	9 24.0	20.2
466558 2014 SL_{333}	18.2	X	47.19581	350.43783	16.07624	5.17605	0.1438299	0.30840376	2.1696496	21	—	—
466559 2014 SO_{338}	18.2	X	286.40396	357.75249	50.67727	6.21615	0.2216126	0.26836089	2.3804363	21	8 16.4	20.9
466560 2014 TQ_{13}	16.2	X	114.26451	9.52793	348.95246	8.93807	0.0840299	0.18340105	3.0680906	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466561 2014 TJ_{15}	17.6	X	269.28673	174.14358	217.77379	13.95792	0.1951835	0.25836105	2.4414698	21	6 28.3	21.2
466562 2014 TJ_{16}	16.9	X	85.24278	108.90531	14.46262	13.30076	0.1558192	0.21355678	2.7720037	21	4 17.9	20.4
466563 2014 TJ_{23}	17.7	X	242.54804	37.88433	26.69214	4.53626	0.0985349	0.25784830	2.4447054	21	7 27.0	21.0
466564 2014 TA_{27}	17.1	X	163.31803	273.42594	199.82127	16.18342	0.0911048	0.24345875	2.5401096	21	6 28.4	21.2
466565 2014 TQ_{59}	17.6	X	207.68186	59.37331	338.99001	2.52815	0.2624711	0.23263941	2.6182666	21	5 6.7	22.2
466566 2014 TX_{64}	16.9	X	181.83396	57.53470	297.55540	3.73769	0.0369694	0.21166982	2.7884536	21	2 17.7	20.8
466567 2014 TO_{68}	17.2	X	99.49921	106.11193	43.83135	12.36983	0.0205447	0.23110515	2.6298418	21	5 21.4	20.7
466568 2014 UM_{4}	17.3	X	345.69775	121.06644	219.04969	8.77404	0.2538012	0.26960978	2.3730795	21	9 3.6	18.7
466569 2014 UP_{4}	16.2	X	63.59906	10.87103	62.32299	12.63534	0.2181517	0.17824204	3.1270101	21	1 30.1	19.9
466570 2014 UU_{4}	17.3	X	129.36740	333.43096	175.88930	3.07086	0.0646181	0.23432425	2.6057009	21	7 6.3	20.9
466571 2014 UU_{16}	17.8	X	222.38410	186.94580	221.80974	5.11944	0.2033421	0.24313804	2.5423428	21	6 3.5	22.0
466572 2014 UX_{19}	16.2	X	32.31409	233.65789	224.94206	26.10256	0.2020671	0.17936565	3.1139373	21	—	—
466573 2014 UU_{21}	16.5	X	107.03554	303.33072	85.33195	8.38035	0.1911634	0.18451422	3.0557383	21	1 30.2	20.8
466574 2014 UD_{24}	17.1	X	158.23788	358.25108	74.64846	9.25692	0.2126701	0.21997723	2.7178004	21	5 12.4	21.7
466575 2014 UW_{24}	15.7	X	54.08019	202.64358	246.10277	17.11308	0.1384654	0.18084939	3.0968822	21	1 15.8	19.7
466576 2014 UR_{27}	17.3	X	157.65663	4.61272	181.18231	5.91739	0.0530129	0.26412782	2.4058024	21	9 29.7	20.6
466577 2014 UX_{41}	18.6	X	62.91106	326.26111	42.12441	4.44481	0.2265006	0.30965500	2.1638010	21	—	—
466578 2014 UC_{53}	17.3	X	129.56089	339.99644	97.90226	5.60536	0.0481841	0.21095779	2.7947245	21	4 5.7	21.3
466579 2014 UO_{65}	17.8	X	305.12600	49.83737	359.17269	7.42710	0.1034123	0.27811309	2.3244583	21	10 5.9	20.0
466580 2014 UD_{68}	18.0	X	9.40604	226.59734	167.40010	4.08087	0.1070291	0.29850621	2.2173477	21	—	—
466581 2014 UK_{83}	18.0	X	159.24409	25.37393	221.87532	6.51431	0.0537415	0.29314287	2.2443116	21	12 26.1	20.9
466582 2014 UD_{84}	17.4	X	163.96242	40.86562	50.81300	3.37190	0.1020629	0.22757687	2.6569536	21	6 2.9	21.4
466583 2014 UP_{84}	17.2	X	173.88770	333.85999	44.68602	6.39809	0.0811045	0.20644594	2.8352965	21	3 16.8	21.5
466584 2014 UC_{93}	17.9	X	259.89253	16.98913	54.14776	5.92034	0.0759137	0.26120099	2.4237408	21	9 2.9	21.0
466585 2014 UH_{99}	17.5	X	306.65958	313.59582	76.03077	4.41452	0.1771153	0.26653751	2.3912803	21	9 1.1	19.7
466586 2014 UE_{101}	17.9	X	23.18593	248.10244	78.23010	5.57992	0.1568109	0.28048651	2.3113270	21	11 4.2	20.2
466587 2014 UA_{105}	16.2	X	328.44193	102.25677	27.56630	4.72914	0.1496069	0.17119545	3.2122394	21	—	—
466588 2014 UH_{109}	17.8	X	279.91267	320.85458	112.87788	5.81380	0.1301957	0.27719338	2.3295971	21	9 29.7	20.3
466589 2014 UA_{114}	16.9	X	117.48146	241.78085	225.33952	9.51689	0.0053556	0.21765701	2.7370807	21	4 17.3	20.5
466590 2014 UT_{117}	16.7	X	132.67151	39.35720	46.01957	8.21417	0.2002964	0.21239765	2.7820798	21	5 2.9	21.1
466591 2014 US_{118}	16.5	X	273.41380	88.18701	230.60674	8.50162	0.0465299	0.22831244	2.6512438	21	4 18.6	20.1
466592 2014 UT_{121}	17.2	X	235.22351	158.04041	283.79999	8.50759	0.1737066	0.25689678	2.4507383	21	7 29.9	20.8
466593 2014 UT_{124}	17.6	X	246.75361	139.52630	303.57556	5.50452	0.1941748	0.26155865	2.4215308	21	8 11.9	21.1
466594 2014 UF_{144}	17.0	X	82.48318	156.01262	258.76352	3.00892	0.2297946	0.18450932	3.0557924	21	2 2.0	20.8
466595 2014 UF_{164}	16.4	X	182.78133	230.66457	226.11048	30.75953	0.2279965	0.23540420	2.5977254	21	6 23.7	21.4
466596 2014 UK_{169}	17.8	X	209.76761	207.33858	272.99891	4.87531	0.0593224	0.25917827	2.4363349	21	9 1.3	21.3
466597 2014 UF_{170}	17.6	X	19.70341	288.10453	58.97557	8.70867	0.1031954	0.28004996	2.3137284	21	11 18.2	20.1
466598 2014 UL_{178}	18.2	X	303.74227	19.82476	51.32439	6.80968	0.0936247	0.28407902	2.2917994	21	11 9.7	20.4
466599 2014 UZ_{184}	16.3	X	59.93275	212.16805	230.90513	15.62078	0.0819345	0.18048894	3.1010039	21	1 13.8	20.6
466600 2014 UB_{185}	17.3	X	199.43475	331.57064	135.78693	2.48739	0.1178444	0.24549052	2.5260750	21	7 31.2	21.1
466601 2014 UC_{193}	18.0	X	27.34129	80.72144	299.29356	3.28933	0.1436718	0.30218180	2.1993306	21	—	—
466602 2014 UD_{193}	18.2	X	177.66316	355.24258	21.74583	19.84238	0.1029686	0.36226325	1.9488864	21	3 7.1	20.9
466603 2014 UW_{199}	16.7	X	232.40752	155.50738	238.44622	7.03736	0.1898446	0.23841896	2.5757806	21	5 25.6	20.9
466604 2014 UH_{204}	17.2	X	217.60777	256.79800	169.90400	3.71857	0.1902086	0.24035185	2.5619525	21	6 22.5	21.4
466605 2014 UP_{204}	17.3	X	158.66356	23.77273	97.34255	6.75897	0.1492624	0.23352806	2.6116201	21	7 7.8	21.3
466606 2014 UF_{208}	17.9	X	243.19320	336.55564	102.44839	2.57508	0.1535467	0.26281262	2.4138220	21	8 8.7	21.2
466607 2014 UN_{208}	17.7	X	241.09297	199.32174	259.82450	6.77412	0.0938436	0.26069668	2.4268655	21	9 6.4	21.0
466608 2014 US_{209}	16.4	X	314.57948	138.20512	43.67048	28.14436	0.1672213	0.17234127	3.1979857	21	—	—
466609 2014 UZ_{215}	16.3	X	101.47203	285.75148	106.95255	13.26169	0.3074398	0.18800750	3.0177686	21	2 13.8	20.7
466610 2014 UB_{217}	16.3	X	294.16208	221.60070	121.10330	12.75319	0.0860309	0.24389082	2.5371088	21	6 14.5	19.7
466611 2014 VU_{3}	15.8	X	82.03639	51.25441	319.03276	9.40054	0.0802528	0.17394281	3.1783256	21	—	—
466612 2014 VZ_{5}	17.4	X	239.00881	23.36516	48.49788	7.44017	0.0936850	0.25565933	2.4586401	21	8 3.5	20.9
466613 2014 VA_{11}	16.2	X	49.25775	68.34904	40.71318	12.02940	0.1856796	0.18246742	3.0785472	21	2 17.7	19.8
466614 2014 VL_{12}	17.7	X	305.01243	317.47137	49.41968	3.11073	0.2293997	0.26303835	2.4124408	21	7 11.9	20.2
466615 2014 VF_{15}	17.6	X	195.37990	292.57498	214.49860	5.08907	0.1668464	0.25815186	2.4427885	21	9 13.1	21.4
466616 2014 VG_{15}	17.5	X	130.91221	81.07087	253.33325	5.01967	0.1072557	0.32061933	2.1141846	21	—	—
466617 2014 VD_{17}	16.9	X	80.58347	30.09925	44.01004	8.54192	0.2583912	0.18911327	3.0059936	21	3 4.5	20.7
466618 2014 VS_{18}	17.9	X	309.82192	332.54703	33.48151	6.66020	0.1080908	0.26850771	2.3795685	21	8 12.3	20.5
466619 2014 VY_{19}	17.4	X	145.26807	142.69050	3.97022	0.32949	0.1675939	0.23678341	2.5876282	21	7 28.6	21.4
466620 2014 VU_{22}	17.5	X	297.08803	338.15833	63.30367	2.30572	0.1856164	0.26575383	2.3959791	21	8 29.1	19.8
466621 2014 VH_{24}	16.7	X	197.41743	259.85075	118.98516	4.32548	0.1033285	0.21482985	2.7610417	21	4 9.5	20.9
466622 2014 VV_{24}	17.5	X	182.91756	5.40429	77.60173	2.99712	0.1043575	0.22997079	2.6384828	21	6 12.1	21.5
466623 2014 VJ_{28}	16.6	X	1.69766	86.43300	54.77844	15.65904	0.1832328	0.17486002	3.1672015	21	—	—
466624 2014 VK_{34}	18.2	X	327.87478	16.28490	48.30086	3.18303	0.1059139	0.28859215	2.2678433	21	12 15.0	20.1
466625 2014 WF	17.6	X	265.84580	207.62305	96.01909	23.98834	0.0774106	0.36679394	1.9328046	21	3 8.8	20.5
466626 2014 WO	16.1	X	106.66482	331.74771	57.62395	3.52376	0.2163081	0.18664642	3.0324218	21	2 2.3	20.4
466627 2014 WU_{6}	17.2	X	181.91659	262.82751	186.95012	25.59451	0.3312797	0.23409010	2.6074381	21	6 19.7	22.6
466628 2014 WF_{14}	17.8	X	252.63691	140.44749	274.74974	1.92727	0.1644691	0.25405965	2.4689498	21	7 16.0	21.1
466629 2014 WG_{17}	17.9	X	289.24697	267.61806	134.20983	3.07211	0.0864242	0.26218082	2.4176983	21	8 31.4	20.7
466630 2014 WE_{19}	16.4	X	32.30672	282.24997	141.06927	18.33811	0.2505347	0.16453533	3.2983489	21	—	—
466631 2014 WL_{19}	16.7	X	126.09689	128.87610	258.61768	9.37944	0.1634815	0.19048524	2.9915424	21	2 9.2	21.3
466632 2014 WZ_{19}	18.1	X	316.60779	185.19272	270.57779	3.88955	0.0334565	0.29572048	2.2312511	21	—	—
466633 2014 WZ_{22}	17.8	X	150.15175	103.97949	12.81107	2.61394	0.1243515	0.23217901	2.6217267	21	6 22.3	21.8
466634 2014 WU_{23}	17.7	X	287.66370	178.86475	248.57964	6.25860	0.0858716	0.27289170	2.3540146	21	10 3.1	20.3
466635 2014 WH_{24}	16.5	X	98.54674	11.47881	43.29383	9.30670	0.1241371	0.18536467	3.0463846	21	2 13.3	20.8
466636 2014 WX_{27}	18.3	X	285.48110	9.09541	50.35686	4.10325	0.1132843	0.26702955	2.3883419	21	9 18.1	20.9
466637 2014 WA_{45}	17.0	X	90.97412	280.24147	177.16299	2.12116	0.1030834	0.19924265	2.9032282	21	3 19.1	20.7
466638 2014 WJ_{45}	17.9	X	302.48575	344.67888	55.02917	7.18601	0.0956580	0.26691961	2.3889977	21	9 22.1	20.5
466639 2014 WO_{46}	17.5	X	149.11211	182.36440	267.53877	2.29291	0.0913040	0.22027669	2.7153367	21	5 14.8	21.6
466640 2014 WP_{46}	16.9	X	134.66767	75.20088	337.87431	1.18323	0.0208095	0.20087108	2.8875163	21	3 6.3	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466641 2014 WM_{48}	17.4	X	5.26053	242.75641	83.69912	6.76634	0.1077321	0.26584641	2.3954228	21	9 26.5	19.9
466642 2014 WR_{49}	16.3	X	19.00007	264.14025	229.50785	11.38539	0.0232054	0.18459647	3.0548305	21	1 18.8	20.7
466643 2014 WX_{51}	18.6	X	111.58817	313.32122	14.38859	1.72703	0.1725577	0.31263754	2.1500174	21	—	—
466644 2014 WY_{51}	17.9	X	70.85023	321.07023	350.37488	2.03416	0.0864163	0.28457706	2.2891247	21	12 6.9	20.8
466645 2014 WP_{52}	16.8	X	29.87033	69.67158	62.08214	3.26673	0.2179055	0.17954549	3.1118576	21	2 6.8	19.8
466646 2014 WU_{52}	16.5	X	85.53057	331.18436	59.87817	4.37575	0.1747638	0.17456130	3.1708138	21	1 3.6	20.6
466647 2014 WL_{54}	17.5	X	65.55032	191.44776	87.52536	7.86372	0.1095189	0.26749445	2.3855738	21	10 22.4	20.7
466648 2014 WK_{55}	17.8	X	26.99818	288.71760	90.39736	3.08196	0.2070901	0.29605158	2.2295872	21	—	—
466649 2014 WN_{61}	17.5	X	150.95028	15.38667	109.05765	5.49650	0.1516909	0.23428118	2.6060203	21	7 4.6	21.7
466650 2014 WX_{63}	18.1	X	14.46926	193.56330	178.12483	2.55375	0.1314884	0.29245466	2.2478312	21	12 22.4	20.4
466651 2014 WY_{67}	17.9	X	337.10546	17.07868	92.78737	5.45276	0.0337909	0.30609918	2.1805260	21	—	—
466652 2014 WE_{68}	17.1	X	193.78897	263.19410	240.14913	5.96924	0.0500688	0.26200565	2.4187758	21	9 13.2	20.4
466653 2014 WC_{71}	17.6	X	75.44460	228.56684	109.07216	5.33032	0.1743899	0.30519192	2.1848453	21	—	—
466654 2014 WJ_{75}	17.5	X	223.64351	193.91373	214.17550	6.70035	0.1215189	0.23868517	2.5738650	21	6 9.1	21.4
466655 2014 WT_{76}	18.2	X	139.42622	6.38951	139.76114	2.54398	0.0723745	0.24014105	2.5634516	21	7 15.2	21.6
466656 2014 WV_{77}	17.6	X	48.56572	198.51563	70.94677	7.53734	0.1246683	0.26100669	2.4249435	21	9 17.8	20.5
466657 2014 WM_{80}	18.2	X	327.94340	269.56053	113.95124	2.31789	0.1831087	0.27533615	2.3400613	21	10 9.9	19.8
466658 2014 WJ_{96}	16.5	X	68.46713	96.48855	37.92199	9.46264	0.1796170	0.19100486	2.9861144	21	4 17.6	20.0
466659 2014 WA_{104}	17.6	X	148.41210	86.96270	47.91315	29.14705	0.1459843	0.23958014	2.5674510	21	7 18.2	22.2
466660 2014 WX_{108}	18.1	X	93.07201	108.48433	196.69113	6.38188	0.1575298	0.29842445	2.2177527	21	12 31.6	21.6
466661 2014 WS_{117}	16.5	X	55.82310	92.17726	351.54693	15.30282	0.2759460	0.17890698	3.1192572	21	2 7.5	19.8
466662 2014 WV_{118}	17.7	X	244.91784	85.51065	329.59504	3.16563	0.1338125	0.24614282	2.5216101	21	7 11.2	21.3
466663 2014 WQ_{124}	17.1	X	34.33314	42.10837	269.64660	5.20072	0.1275929	0.27008949	2.3702687	21	10 21.1	19.9
466664 2014 WK_{125}	17.3	X	157.49938	150.71349	311.48544	3.18924	0.0632403	0.22694612	2.6618743	21	6 7.3	21.0
466665 2014 WY_{140}	17.7	X	220.32690	356.08898	77.57640	2.48996	0.0651891	0.24316660	2.5421437	21	7 14.2	21.3
466666 2014 WT_{143}	16.8	X	99.68823	170.80551	237.27548	9.69330	0.1179916	0.18540750	3.0459155	21	1 29.2	21.1
466667 2014 WE_{160}	16.7	X	314.66191	217.37556	103.23844	9.00594	0.0956704	0.24469048	2.5315781	21	6 11.9	19.7
466668 2014 WP_{165}	16.1	X	25.80685	51.33137	77.33084	17.86928	0.1838027	0.17851834	3.1237827	21	1 26.9	19.7
466669 2014 WW_{183}	16.5	X	97.08577	224.56333	328.87760	12.38638	0.1433186	0.22648056	2.6655210	21	8 6.9	20.3
466670 2014 WY_{184}	16.1	X	60.02709	129.00591	315.97595	15.14151	0.0647198	0.17362503	3.1822026	21	1 22.3	20.3
466671 2014 WB_{192}	16.6	X	257.99319	192.84933	140.07308	14.40474	0.0685909	0.21971821	2.7199360	21	4 22.7	20.7
466672 2014 WZ_{193}	17.2	X	225.30918	9.45078	13.95074	11.41144	0.0611160	0.22860398	2.6489893	21	5 10.7	21.1
466673 2014 WE_{196}	17.8	X	325.25605	35.80579	341.95769	6.34029	0.1339111	0.27047096	2.3680396	21	9 22.4	20.0
466674 2014 WD_{200}	16.3	X	24.73345	94.57284	39.70553	17.12081	0.0853273	0.17449120	3.1716630	21	2 7.9	20.7
466675 2014 WH_{201}	16.5	X	208.49175	19.16587	65.07256	16.95050	0.2864504	0.23406956	2.6075907	21	7 1.9	21.3
466676 2014 WM_{213}	17.3	X	174.63028	135.76354	270.05196	1.18548	0.0807733	0.21645762	2.7471822	21	4 16.1	21.2
466677 2014 WG_{217}	17.2	X	263.13675	230.33154	210.92754	6.09035	0.0777885	0.26178471	2.4201365	21	9 16.3	20.2
466678 2014 WD_{233}	16.8	X	43.05602	18.02142	99.54144	5.41701	0.0843918	0.18512637	3.0489984	21	2 5.6	20.6
466679 2014 WG_{236}	17.0	X	125.41702	137.42686	337.54165	10.11622	0.1172110	0.21879030	2.7276209	21	5 20.5	21.2
466680 2014 WV_{236}	18.2	X	300.83308	308.01376	149.18430	6.83506	0.0399550	0.29584238	2.2306382	21	12 18.9	20.7
466681 2014 WB_{241}	17.0	X	122.45022	9.10209	129.50477	12.77744	0.1278512	0.22357923	2.6885312	21	6 22.0	21.1
466682 2014 WD_{245}	17.7	X	175.81133	15.41708	39.92577	12.05861	0.2264333	0.23075762	2.6324816	21	5 3.5	22.2
466683 2014 WX_{260}	17.5	X	193.17605	50.60873	127.97984	4.37686	0.1432654	0.27050749	2.3678264	21	10 27.8	21.0
466684 2014 WJ_{270}	17.4	X	155.08501	39.14557	88.88877	9.39576	0.1356134	0.23407921	2.6075190	21	7 12.9	21.5
466685 2014 WG_{272}	17.6	X	240.77058	166.15805	192.28274	6.19352	0.0497231	0.22297676	2.6933719	21	5 2.4	21.4
466686 2014 WB_{286}	17.4	X	165.39655	236.15835	181.92291	4.73897	0.0636255	0.21410867	2.7672382	21	4 22.1	21.4
466687 2014 WR_{294}	15.9	X	129.79801	249.60284	137.47799	11.84030	0.1467863	0.19064925	2.9898265	21	2 14.9	20.4
466688 2014 WK_{296}	16.4	X	34.17879	19.73395	102.23355	18.34473	0.1882613	0.17945961	3.1128503	21	2 2.5	19.8
466689 2014 WW_{296}	16.7	X	98.10754	301.61235	116.24711	11.40937	0.1900354	0.18807978	3.0169954	21	2 24.0	20.9
466690 2014 WW_{310}	17.1	X	204.73112	56.55135	305.83082	3.44120	0.0848127	0.21070334	2.7969740	21	3 24.4	21.4
466691 2014 WO_{311}	17.5	X	102.69520	175.27938	344.93925	3.20740	0.0382114	0.22844679	2.6502042	21	6 13.1	21.1
466692 2014 WY_{324}	17.2	X	163.33604	247.69353	193.13381	12.18501	0.2430469	0.22355171	2.6887519	21	5 27.2	22.0
466693 2014 WB_{332}	17.8	X	242.30632	43.86829	135.18427	6.18407	0.0783239	0.29717841	2.2239476	21	—	—
466694 2014 WB_{353}	17.9	X	215.25665	271.79799	148.92019	3.32223	0.2158006	0.23805241	2.5784239	21	6 11.8	22.2
466695 2014 WQ_{353}	17.7	X	292.27722	259.41515	151.05794	7.58439	0.1625353	0.26673929	2.3900743	21	9 6.7	20.0
466696 2014 WN_{355}	16.1	X	29.65000	285.75371	228.22576	8.75128	0.0791144	0.17518290	3.1633087	21	2 28.4	20.3
466697 2014 WP_{361}	17.9	X	266.62445	215.25843	208.42076	2.31286	0.1605479	0.25929699	2.4355912	21	8 14.6	20.9
466698 2014 WL_{379}	16.6	X	34.16758	83.21404	34.08776	7.79316	0.1827181	0.17973401	3.1096813	21	1 27.9	20.0
466699 2014 WF_{382}	16.7	X	180.59035	41.82116	55.63245	22.61204	0.0392007	0.22386564	2.6862376	21	6 26.1	20.8
466700 2014 WW_{382}	16.1	X	136.00067	86.86425	47.86474	12.95058	0.1310802	0.23173000	2.6251122	21	7 1.2	20.2
466701 2014 WN_{401}	17.6	X	112.82350	253.72504	225.36481	4.70540	0.0935853	0.21496076	2.7599206	21	5 11.2	21.4
466702 2014 WD_{403}	17.3	X	155.74605	249.73755	225.24703	10.31634	0.1425343	0.23156868	2.6263313	21	6 25.8	21.5
466703 2014 WN_{406}	17.3	X	356.62659	185.16333	67.52606	7.52282	0.0328456	0.22258310	2.6965466	21	5 19.4	20.6
466704 2014 WY_{410}	16.6	X	72.83385	298.36766	144.02787	5.86393	0.1528632	0.18038431	3.1022029	21	2 13.0	20.5
466705 2014 WP_{412}	17.7	X	358.39953	6.84002	62.23599	3.07723	0.1195006	0.29746482	2.2225198	21	—	—
466706 2014 WQ_{432}	17.1	X	79.01626	126.69298	46.85526	14.47503	0.0446968	0.22242017	2.6978633	21	5 29.2	20.7
466707 2014 WG_{444}	17.8	X	100.63774	305.10207	45.28743	5.40476	0.1214420	0.31334168	2.1467952	21	—	—
466708 2014 WF_{445}	16.9	X	44.22260	240.42877	265.60394	6.69031	0.2456527	0.18815951	3.0161430	21	3 25.3	20.1
466709 2014 WL_{446}	17.5	X	183.16208	129.97309	277.53897	3.53255	0.1546938	0.21835613	2.7312353	21	4 28.3	21.9
466710 2014 WJ_{459}	17.3	X	109.88988	4.61038	253.09054	4.39358	0.0825090	0.27567863	2.3381228	21	11 9.8	20.6
466711 2014 WH_{462}	17.8	X	336.74078	269.85932	95.01253	2.44800	0.1927431	0.27088365	2.3656338	21	9 29.4	19.4
466712 2014 WV_{465}	16.3	X	356.45638	107.41555	51.93557	8.58279	0.1888981	0.17804815	3.1292799	21	1 10.6	20.0
466713 2014 WB_{470}	17.5	X	162.20996	100.39228	344.40195	4.40472	0.1149167	0.22199400	2.7013150	21	5 23.1	21.7
466714 2014 WZ_{485}	17.5	X	159.20275	308.48312	130.00096	9.52774	0.3062132	0.21833550	2.7314073	21	5 24.9	22.6
466715 2014 WF_{486}	17.6	X	220.35662	358.04577	58.20430	4.06246	0.1549611	0.23609031	2.5926901	21	6 13.7	21.7
466716 2014 WJ_{488}	18.2	X	61.92645	250.02004	73.13369	2.91352	0.1872320	0.28974643	2.2618163	21	12 25.1	21.3
466717 2014 WQ_{489}	16.2	X	101.49258	273.13252	119.29859	15.58851	0.2811943	0.18317239	3.0706434	21	2 9.6	20.5
466718 2014 WY_{491}	16.3	X	77.63843	130.49711	311.46015	15.13162	0.1885014	0.17957979	3.1114613	21	2 20.9	20.3
466719 2014 WB_{494}	16.1	X	62.13777	340.06476	139.84122	17.77618	0.1658702	0.17576475	3.1563237	21	3 23.4	20.2
466720 2014 WX_{494}	16.2	X	180.21340	258.49328	173.61018	7.71510	0.2095660	0.21140746	2.7907602	21	5 29.6	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466721 2014 WN_{495}	16.0	X	7.03104	14.95996	173.27010	10.23619	0.0641176	0.17434020	3.1734941	21	3 14.6	20.2
466722 2014 WY_{495}	15.6	X	116.26211	255.81325	176.91966	13.79488	0.0307553	0.17482070	3.1676764	21	3 12.9	20.1
466723 2014 WA_{501}	17.3	X	281.76345	313.35713	125.13406	10.30236	0.0872978	0.27615523	2.3354319	21	10 18.5	20.1
466724 2014 WK_{503}	16.3	X	69.07515	279.59177	149.67242	10.44796	0.2623893	0.17776975	3.1325462	21	2 6.0	19.7
466725 2014 XD_{7}	15.6	X	328.25607	177.13725	317.44935	27.38117	0.1485988	0.17197110	3.2025732	21	—	—
466726 2014 XX_{33}	17.8	X	215.23332	14.43751	69.58069	9.42396	0.0767068	0.24383695	2.5374824	21	7 22.3	21.5
466727 2014 XV_{36}	17.4	X	326.47399	309.44520	93.29692	3.99189	0.2226443	0.27607710	2.3358724	21	11 8.4	18.7
466728 2014 YS_{16}	16.9	X	108.53446	44.07208	26.12699	5.95678	0.0898137	0.19200570	2.9757285	21	3 8.7	21.0
466729 2014 YK_{22}	16.9	X	216.54178	283.75088	116.49725	5.49789	0.0782574	0.21229343	2.7829902	21	5 26.8	21.0
466730 2014 YR_{22}	15.7	X	130.02429	308.50291	124.87870	10.70955	0.0667715	0.18401147	3.0613016	21	4 7.6	20.3
466731 2014 YX_{23}	16.7	X	166.53912	178.50379	288.69883	10.13389	0.1153419	0.22256825	2.6966665	21	6 27.0	20.8
466732 2014 YM_{25}	15.0	X	83.37559	320.95928	128.37919	27.97142	0.1241615	0.17942151	3.1132910	21	3 9.5	19.5
466733 2014 YO_{26}	17.0	X	117.77009	73.77759	333.24164	2.43097	0.2517917	0.19227822	2.9729161	21	3 9.5	21.4
466734 2014 YN_{36}	16.6	X	59.51949	175.15032	310.63586	8.95512	0.0376262	0.18714334	3.0270514	21	3 3.0	20.8
466735 2014 YL_{41}	16.2	X	19.64559	70.13607	89.98120	12.99070	0.1050106	0.17455231	3.1709227	21	3 2.7	20.3
466736 2014 YP_{41}	16.2	X	65.08216	295.14810	144.49451	4.44646	0.1103072	0.16924398	3.2368847	21	1 26.1	20.2
466737 2014 YM_{49}	15.7	X	111.42543	137.37524	278.56896	14.38674	0.0774228	0.17608813	3.1524581	21	2 15.3	20.4
466738 2015 AS	17.5	X	265.63549	265.85960	151.17802	10.51277	0.1259218	0.25969236	2.4331185	21	8 9.6	20.6
466739 2015 AS_{3}	16.0	X	190.00889	56.49400	296.51348	7.06733	0.0784991	0.18475090	3.0531280	21	2 27.9	20.7
466740 2015 AN_{11}	16.9	X	257.05669	336.74983	46.88503	12.84242	0.1815775	0.23049876	2.6344522	21	6 5.4	20.9
466741 2015 AO_{12}	15.9	X	359.45179	108.80777	97.07818	27.45255	0.1231283	0.18118686	3.0930356	21	4 6.3	20.3
466742 2015 AB_{15}	15.5	X	170.09575	315.30652	61.29187	14.12302	0.0641903	0.18141811	3.0904067	21	3 17.3	20.4
466743 2015 AA_{23}	17.0	X	238.78197	285.95505	122.57486	9.91387	0.2075983	0.24125205	2.5555755	21	6 18.5	21.1
466744 2015 AQ_{24}	17.9	X	189.60437	36.99679	166.88207	9.86527	0.0617037	0.27794407	2.3254006	21	12 3.9	21.1
466745 2015 AU_{33}	17.0	X	18.41432	52.74092	156.06557	1.09231	0.0059666	0.19927633	2.9029011	21	4 23.3	21.0
466746 2015 AZ_{36}	16.1	X	135.96405	73.02223	297.57233	15.12314	0.1182465	0.17098802	3.2148368	21	1 30.5	20.9
466747 2015 AX_{38}	16.0	X	112.22202	309.62676	83.89573	5.95723	0.1673951	0.17261554	3.1945974	21	2 10.1	20.6
466748 2015 AD_{41}	16.8	X	14.92790	165.62886	106.76698	3.99278	0.0410305	0.22446805	2.6814293	21	7 13.0	20.2
466749 2015 AY_{94}	16.8	X	295.31780	142.84719	195.99212	10.90731	0.0209377	0.23148660	2.6269520	21	6 19.5	20.4
466750 2015 AQ_{106}	17.0	X	197.69926	283.89792	120.67560	4.92807	0.1027520	0.20971297	2.8057730	21	5 11.9	21.3
466751 2015 AA_{107}	16.5	X	138.76280	275.47353	143.77123	0.68534	0.0416171	0.18781295	3.0198522	21	3 23.5	20.8
466752 2015 AJ_{112}	16.8	X	328.06463	80.12527	172.94284	2.10242	0.0497463	0.19387193	2.9566012	21	4 10.4	20.7
466753 2015 AE_{116}	16.7	X	238.69312	253.22415	115.31238	4.78286	0.1124166	0.21167581	2.7884010	21	5 8.6	20.9
466754 2015 AZ_{118}	17.1	X	15.76109	108.51757	154.40624	4.36658	0.0381499	0.21850039	2.7300330	21	6 30.6	20.6
466755 2015 AY_{129}	16.1	X	184.81447	50.16099	302.71989	9.32413	0.1415901	0.18210918	3.0825833	21	2 24.6	21.2
466756 2015 AQ_{131}	16.4	X	98.17050	333.00518	110.52310	10.68321	0.0915557	0.18057375	3.1000329	21	3 16.6	20.8
466757 2015 AC_{133}	17.2	X	278.83065	262.80465	99.74031	4.04388	0.0843840	0.22383877	2.6864526	21	6 19.7	20.7
466758 2015 AU_{133}	16.5	X	237.03341	222.96041	113.29867	10.63411	0.0674071	0.19293368	2.9661789	21	4 5.2	21.1
466759 2015 AX_{133}	16.8	X	315.97507	214.86286	117.09022	9.81898	0.1412077	0.22636292	2.6664444	21	6 24.0	20.0
466760 2015 AE_{138}	16.9	X	210.70280	329.93968	107.89419	7.00014	0.0438879	0.22549701	2.6732661	21	7 9.2	20.6
466761 2015 AE_{141}	17.3	X	27.37991	320.30256	339.19174	3.22041	0.0980598	0.24119456	2.5559815	21	9 15.6	20.1
466762 2015 AP_{143}	16.9	X	39.63816	180.79113	106.01640	10.66331	0.0666367	0.23923325	2.5699323	21	9 17.9	20.2
466763 2015 AM_{145}	16.3	X	260.71169	200.73346	108.31699	11.16224	0.0663170	0.19069899	2.9893065	21	3 30.0	20.8
466764 2015 AD_{148}	16.8	X	183.90010	303.48425	85.75815	4.69043	0.0679385	0.19451773	2.9500537	21	4 9.7	21.2
466765 2015 AR_{151}	16.5	X	335.53205	123.45128	115.72506	9.80465	0.0741782	0.18817971	3.0159272	21	4 5.3	20.6
466766 2015 AD_{155}	16.1	X	305.36388	218.41168	43.93167	2.29450	0.0446094	0.18659919	3.0329334	21	3 25.1	20.3
466767 2015 AU_{165}	16.3	X	27.11237	70.47444	102.43263	0.34779	0.0283130	0.18267593	3.0762042	21	3 22.2	20.4
466768 2015 AU_{173}	16.2	X	196.41394	246.02991	105.82124	7.35380	0.0744681	0.18192888	3.0846196	21	3 11.1	20.9
466769 2015 AG_{192}	16.8	X	336.10104	208.80564	110.07902	6.87902	0.0823594	0.22668851	2.6638906	21	7 16.5	19.7
466770 2015 AS_{203}	15.9	X	280.89973	246.95232	22.70394	7.74520	0.1185246	0.18084486	3.0969339	21	2 25.7	20.5
466771 2015 AF_{205}	16.7	X	266.21603	249.75744	119.53746	6.88965	0.0487822	0.22310198	2.6923640	21	6 17.7	20.3
466772 2015 AL_{210}	17.5	X	201.70046	274.86326	156.98202	12.75122	0.0648155	0.23143260	2.6273606	21	6 19.9	21.5
466773 2015 AY_{210}	16.0	X	40.29099	319.11024	151.46830	12.92164	0.0418730	0.17847757	3.1242584	21	1 21.8	20.3
466774 2015 AG_{243}	15.9	X	213.94673	243.23003	120.78937	20.13333	0.0782236	0.18337616	3.0683681	21	4 18.4	21.0
466775 2015 AK_{252}	16.5	X	77.31373	11.83002	85.73890	4.78251	0.1566283	0.17859075	3.1229384	21	3 14.0	20.5
466776 2015 AV_{252}	16.8	X	313.64425	229.92239	90.13997	8.49395	0.1012393	0.21831357	2.7315903	21	6 9.5	20.1
466777 2015 AV_{257}	16.7	X	18.82083	214.14757	26.36607	4.14222	0.0414962	0.21054941	2.7983371	21	6 4.1	20.4
466778 2015 AN_{258}	17.4	X	88.21489	226.45261	345.69067	4.66145	0.0644086	0.22709331	2.6607240	21	8 9.0	20.9
466779 2015 AD_{259}	15.8	X	124.55160	66.57929	330.76283	8.65524	0.0475617	0.17403292	3.1772285	21	2 11.6	20.3
466780 2015 AV_{260}	16.7	X	329.75790	111.29423	180.06895	8.03290	0.1529526	0.20536321	2.8452534	21	5 21.4	20.1
466781 2015 AH_{274}	16.5	X	325.91594	172.25297	99.49567	12.03060	0.0906496	0.19677571	2.9274426	21	5 1.3	20.4
466782 2015 AO_{278}	16.0	X	83.05911	250.14634	229.26292	3.98545	0.1001147	0.18191224	3.0848078	21	4 6.2	20.0
466783 2015 BM_{5}	16.7	X	92.29517	233.13162	287.06629	12.90499	0.0276756	0.22563184	2.6722010	21	5 27.6	20.4
466784 2015 BH_{7}	17.5	X	145.61936	270.52632	22.76858	2.64130	0.1633144	0.28976724	2.2617080	21	—	—
466785 2015 BV_{7}	16.5	X	87.14203	62.98123	6.72599	3.91302	0.1317259	0.17417858	3.1754569	21	2 16.9	20.6
466786 2015 BY_{12}	17.2	X	249.64846	27.37941	353.17246	12.84361	0.1783537	0.23009657	2.6375211	21	5 22.8	21.5
466787 2015 BO_{15}	16.7	X	271.68124	223.63015	125.91665	6.45982	0.0502010	0.20975161	2.8054283	21	5 30.6	20.6
466788 2015 BW_{17}	16.2	X	171.49942	294.20519	152.50792	16.54706	0.2370038	0.21167403	2.7884166	21	6 10.9	21.4
466789 2015 BS_{18}	15.5	X	243.31759	100.16288	72.79389	7.37775	0.1669402	0.12397686	3.9832934	21	11 18.4	21.4
466790 2015 BZ_{21}	16.1	X	178.40562	218.73427	162.48458	11.59992	0.0877080	0.18018358	3.1045065	21	3 26.8	20.9
466791 2015 BS_{23}	16.0	X	15.81298	29.59016	160.93883	10.53213	0.0436866	0.17749591	3.1357672	21	3 31.9	20.2
466792 2015 BZ_{25}	16.3	X	296.34678	116.51569	148.56346	12.84725	0.0271932	0.17437477	3.1730746	21	3 23.2	20.8
466793 2015 BE_{39}	16.7	X	77.61956	41.13820	76.31752	11.52387	0.0805621	0.18633246	3.0358272	21	3 31.5	20.9
466794 2015 BT_{45}	17.3	X	180.19561	55.34612	7.49657	4.66253	0.1610178	0.21335567	2.7737453	21	5 14.9	21.9
466795 2015 BV_{45}	16.7	X	82.64750	33.00299	76.48949	8.75798	0.0932684	0.18637883	3.0353235	21	3 28.4	20.9
466796 2015 BA_{55}	16.8	X	202.15165	358.93186	35.25955	5.44462	0.2019552	0.21160890	2.7889888	21	4 29.9	21.5
466797 2015 BS_{58}	16.2	X	1.95104	171.65973	95.41995	5.89060	0.0216315	0.21146598	2.7902452	21	6 16.3	19.7
466798 2015 BL_{61}	16.4	X	237.73843	275.84907	88.32172	7.19882	0.0806907	0.20264578	2.8706330	21	5 5.9	20.7
466799 2015 BK_{62}	16.4	X	274.34215	296.23659	345.89946	8.84848	0.0783355	0.17894434	3.1188231	21	3 7.3	20.7
466800 2015 BB_{69}	16.3	X	233.70334	172.08364	171.77525	11.03541	0.1097250	0.19332483	2.9621767	21	4 4.4	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466801 2015 BZ_{72}	16.9	X	44.04310	308.79697	344.82652	7.07975	0.1931877	0.23953373	2.5677827	21	10 15.7	20.1
466802 2015 BE_{78}	17.0	X	332.19257	105.45087	215.08177	3.01760	0.0779578	0.22372009	2.6874026	21	7 11.9	20.2
466803 2015 BB_{82}	15.7	X	74.34980	225.18099	260.84868	8.49831	0.0387165	0.18612203	3.0381149	21	3 21.8	20.0
466804 2015 BV_{85}	16.9	X	163.65414	334.06108	134.39936	10.50570	0.1457417	0.21631785	2.7483654	21	6 26.7	21.3
466805 2015 BB_{87}	16.0	X	22.22125	34.32291	127.63149	8.62422	0.0280368	0.17195820	3.2027334	21	3 5.9	20.4
466806 2015 BF_{88}	16.0	X	50.72073	10.84333	140.88703	24.51986	0.0638171	0.17997253	3.1069331	21	4 5.8	20.5
466807 2015 BY_{89}	15.4	X	302.76449	120.85402	5.39376	4.06145	0.1489980	0.12387460	3.9854852	21	12 7.9	20.5
466808 2015 BO_{93}	15.8	X	112.13663	337.20304	117.08685	14.88496	0.0694038	0.18581127	3.0415013	21	4 14.8	20.4
466809 2015 BA_{96}	16.0	X	311.23574	123.99515	107.66931	23.34269	0.1052662	0.17918773	3.1159982	21	2 18.4	20.6
466810 2015 BD_{99}	16.8	X	141.69157	136.79783	327.02405	1.23221	0.0261148	0.20226156	2.8742672	21	5 18.9	20.7
466811 2015 BX_{99}	15.6	X	201.84776	188.68779	133.29097	6.14840	0.0950891	0.16822277	3.2499713	21	2 8.7	20.6
466812 2015 BT_{120}	16.3	X	210.84128	341.28862	346.03535	8.57186	0.0615702	0.17499367	3.1655887	21	2 23.8	21.1
466813 2015 BF_{128}	16.9	X	346.63169	187.25230	95.46629	4.72940	0.0622975	0.21003338	2.8029187	21	6 13.7	20.4
466814 2015 BA_{129}	16.9	X	27.28091	154.01393	134.90335	4.59698	0.1268154	0.22885700	2.6470364	21	9 4.5	19.7
466815 2015 BE_{132}	16.3	X	328.29367	201.13246	106.21355	5.96956	0.0527345	0.21343981	2.7730164	21	6 20.4	19.8
466816 2015 BK_{133}	16.7	X	265.10113	270.93211	86.41504	4.46267	0.1054774	0.21234446	2.7825443	21	5 23.9	20.7
466817 2015 BS_{147}	15.7	X	105.36793	31.88138	336.94028	9.29442	0.1226106	0.14843050	3.5328127	21	1 2.5	20.8
466818 2015 BU_{148}	16.9	X	286.93070	286.08319	113.72413	8.35587	0.0622435	0.23691527	2.5866679	21	8 28.4	20.1
466819 2015 BX_{157}	16.0	X	158.37067	96.81171	282.06733	15.12872	0.1468603	0.17853900	3.1235417	21	2 27.1	21.2
466820 2015 BW_{158}	16.9	X	317.89778	123.83868	196.02053	5.58787	0.0280545	0.21413289	2.7670296	21	6 24.7	20.7
466821 2015 BL_{159}	16.5	X	37.73002	137.85433	153.40843	13.75916	0.1742703	0.22992313	2.6388474	21	10 4.9	19.8
466822 2015 BN_{167}	16.5	X	195.33979	4.63127	9.56043	2.57367	0.0931990	0.19064790	2.9898406	21	4 1.8	21.1
466823 2015 BX_{167}	16.4	X	283.76573	192.33879	93.45658	5.04799	0.1751549	0.18205939	3.0831453	21	3 12.4	21.0
466824 2015 BP_{180}	16.1	X	87.51415	55.09874	352.91272	9.48761	0.0818897	0.15864678	3.3794696	21	1 20.0	20.8
466825 2015 BK_{189}	16.6	X	252.37614	252.17301	117.92082	6.21913	0.1451127	0.21370284	2.7707405	21	5 21.9	20.8
466826 2015 BG_{190}	16.4	X	114.17923	341.68792	115.45851	4.74750	0.1165144	0.18884968	3.0087900	21	4 22.0	20.8
466827 2015 BH_{194}	16.3	X	311.91868	224.37585	68.45058	3.58026	0.1001269	0.19643535	2.9308232	21	5 2.8	20.1
466828 2015 BV_{198}	16.4	X	282.46210	195.51536	83.15656	2.50823	0.1358273	0.17727196	3.1384077	21	3 6.7	21.1
466829 2015 BV_{203}	17.0	X	271.85994	173.30220	188.80418	3.07829	0.0955851	0.21801582	2.7340768	21	6 8.5	20.7
466830 2015 BB_{204}	17.1	X	204.42754	163.34083	258.48356	2.87091	0.1006426	0.21513430	2.7584362	21	6 8.0	21.2
466831 2015 BT_{212}	16.7	X	116.25384	308.15900	184.25168	4.40144	0.0590535	0.20868231	2.8150036	21	5 29.3	20.6
466832 2015 BC_{215}	16.2	X	259.22370	236.69415	93.83333	15.46180	0.1569242	0.20891641	2.8129004	21	4 14.9	20.8
466833 2015 BG_{216}	16.5	X	106.62531	95.30297	330.11739	8.34136	0.0790453	0.18198385	3.0839984	21	2 25.8	20.7
466834 2015 BV_{218}	17.1	X	189.07251	51.66124	358.63519	7.09414	0.1291657	0.21222951	2.7835490	21	5 6.2	21.5
466835 2015 BU_{223}	16.2	X	285.19969	72.46857	58.73110	3.15329	0.2082054	0.12634916	3.9332765	21	11 12.7	21.2
466836 2015 BV_{224}	17.7	X	282.80913	347.03516	41.88103	2.41987	0.1600461	0.24430950	2.5342093	21	7 20.4	20.8
466837 2015 BR_{228}	16.6	X	44.87008	131.27721	5.72431	5.20276	0.0814156	0.17979416	3.1089877	21	3 5.6	20.6
466838 2015 BX_{230}	16.2	X	24.97003	202.16531	324.71524	8.71324	0.0335323	0.18328665	3.0693671	21	3 9.3	20.3
466839 2015 BF_{244}	16.5	X	9.72594	315.32088	292.44174	6.53691	0.0906854	0.20248755	2.8721282	21	6 1.4	20.0
466840 2015 BR_{244}	16.3	X	110.05907	135.65380	297.53500	7.12329	0.0524988	0.17760356	3.1344999	21	3 5.9	20.9
466841 2015 BL_{247}	17.1	X	246.79685	237.38201	159.01760	3.14251	0.1203441	0.22292598	2.6937809	21	6 19.8	21.0
466842 2015 BZ_{248}	16.5	X	5.36182	158.40111	139.15143	4.85201	0.0736566	0.22283107	2.6945457	21	8 3.7	19.8
466843 2015 BN_{249}	16.9	X	319.84236	195.32829	142.21794	3.29833	0.0879957	0.22270747	2.6955425	21	7 15.2	20.0
466844 2015 BY_{249}	16.7	X	215.57550	271.58732	116.26490	6.82690	0.0806901	0.20228285	2.8740656	21	5 11.5	21.1
466845 2015 BM_{256}	16.5	X	194.48712	89.06265	263.07467	3.72077	0.1280769	0.17968510	3.1102455	21	3 5.5	21.6
466846 2015 BM_{259}	16.6	X	13.08873	109.84620	110.30958	4.21679	0.0225716	0.19254513	2.9701681	21	5 2.9	20.6
466847 2015 BA_{274}	16.4	X	291.60133	48.27148	292.55010	14.31127	0.1391014	0.24069779	2.5594972	21	5 27.8	19.9
466848 2015 BY_{280}	16.2	X	240.16838	129.07359	172.71997	10.98178	0.0176571	0.17826438	3.1267489	21	2 25.5	20.6
466849 2015 BU_{281}	16.7	X	63.55664	59.24832	205.98439	8.15299	0.1224592	0.23606507	2.5928749	21	9 23.8	20.0
466850 2015 BU_{284}	16.0	X	106.43651	280.99653	151.41115	16.98979	0.0791548	0.17812230	3.1284114	21	3 8.8	20.4
466851 2015 BR_{292}	15.9	X	337.16722	98.28363	148.73164	19.37123	0.0958535	0.18104152	3.0946907	21	4 17.3	20.2
466852 2015 BF_{293}	17.5	X	315.72492	209.80465	184.13656	13.76194	0.0350293	0.24712840	2.5149013	21	10 4.5	20.4
466853 2015 BJ_{296}	16.0	X	10.03755	24.90288	165.37928	23.18305	0.1369514	0.17637836	3.1489989	21	3 20.6	19.7
466854 2015 BK_{307}	16.2	X	334.77203	156.66724	85.81380	11.42056	0.0428837	0.18629670	3.0362156	21	4 13.1	20.5
466855 2015 BK_{324}	16.2	X	284.45167	176.41672	116.00478	17.41391	0.1850129	0.18259993	3.0770577	21	3 24.1	21.0
466856 2015 BX_{341}	17.1	X	297.58748	238.36139	112.20791	7.03304	0.0477903	0.21821816	2.7323864	21	7 5.3	20.5
466857 2015 BG_{342}	16.0	X	210.66910	235.00911	111.01230	11.71557	0.0824748	0.17981672	3.1087276	21	3 20.7	20.9
466858 2015 BL_{345}	15.7	X	85.03049	339.33185	89.00935	10.27455	0.0837654	0.17383450	3.1796457	21	2 7.2	20.1
466859 2015 BQ_{345}	16.2	X	180.87576	253.36079	89.71038	11.54970	0.1173280	0.18065375	3.0991177	21	2 15.2	21.2
466860 2015 BP_{347}	17.6	X	38.81529	279.68553	64.50112	6.80522	0.2256252	0.27855734	2.3219862	21	12 29.5	20.7
466861 2015 BJ_{350}	16.0	X	45.58269	38.41106	80.35098	9.82553	0.0556376	0.17260142	3.1947715	21	2 14.0	20.4
466862 2015 BS_{362}	16.7	X	123.88505	356.44074	45.22480	1.57159	0.1388543	0.18138349	3.0907999	21	2 26.5	21.1
466863 2015 BL_{367}	16.2	X	117.27867	118.90907	346.56662	10.63281	0.0642534	0.19919752	2.9036667	21	4 21.8	20.5
466864 2015 BG_{390}	16.9	X	35.19762	142.36697	139.03438	13.94297	0.1235427	0.22396823	2.6854172	21	9 7.3	20.1
466865 2015 BN_{394}	16.1	X	210.53441	332.92008	3.22330	9.22900	0.0814822	0.17536014	3.1611768	21	3 6.3	21.0
466866 2015 BV_{413}	16.3	X	2.88143	239.13186	347.30437	8.17580	0.0290051	0.18960162	3.0008297	21	4 22.4	20.5
466867 2015 BV_{472}	16.9	X	39.17904	124.60592	158.57994	6.73138	0.1820416	0.22944735	2.6424940	21	9 24.9	19.9
466868 2015 BF_{476}	16.2	X	257.63964	181.57902	141.49976	11.56982	0.1056517	0.19184161	2.9774251	21	4 6.9	20.8
466869 2015 BB_{484}	15.9	X	281.10953	261.66722	315.29232	9.18832	0.0187727	0.15372675	3.4511970	21	1 10.2	20.8
466870 2015 BV_{492}	16.6	X	254.92132	134.15794	200.28965	0.69847	0.1051984	0.19350641	2.9603233	21	4 13.9	21.1
466871 2015 BH_{493}	16.7	X	260.05074	8.48843	316.02675	4.83918	0.0302697	0.19005899	2.9960135	21	4 14.1	21.1
466872 2015 BU_{511}	16.5	X	160.61259	307.49076	128.42406	16.05378	0.1274315	0.20668050	2.8331510	21	5 18.2	21.2
466873 2015 CN_{29}	16.4	X	334.17436	182.82970	121.74053	10.14731	0.1346252	0.20944816	2.8081374	21	6 18.3	19.6
466874 2015 CG_{33}	15.2	X	123.56414	244.57619	159.60168	21.86023	0.1172289	0.17341394	3.1847845	21	2 26.8	19.7
466875 2015 CC_{34}	17.0	X	102.20252	216.28302	80.06942	7.42240	0.1116671	0.27018021	2.3697381	21	12 22.5	20.3
466876 2015 CS_{36}	15.8	X	11.17553	185.08236	344.44873	15.32697	0.0147568	0.17411477	3.1762327	21	2 27.8	20.1
466877 2015 CD_{37}	15.8	X	351.02416	104.11859	94.97165	11.64795	0.0649047	0.17859771	3.1228572	21	3 10.3	20.1
466878 2015 CU_{40}	16.4	X	264.66758	268.18581	137.76987	13.73241	0.1962370	0.22962522	2.6411293	21	7 13.1	20.3
466879 2015 CL_{60}	16.0	X	26.63989	95.51156	81.00338	10.09613	0.1247012	0.18120115	3.0928729	21	4 3.5	19.8
466880 2015 DY_{5}	16.1	X	7.27258	58.84974	128.89495	21.08718	0.1723891	0.17501259	3.1653605	21	3 14.8	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466881 2015 DO_{16}	16.7	X	265.06531	142.04986	179.32765	2.09232	0.0892602	0.19472335	2.9479766	21	4 11.1	20.9
466882 2015 DK_{28}	15.7	X	306.32755	149.75352	124.53144	12.37231	0.0692422	0.17833063	3.1259745	21	4 12.6	20.2
466883 2015 DG_{46}	16.0	X	297.76768	153.18797	137.77398	13.54464	0.1328432	0.17564781	3.1577244	21	4 13.0	20.6
466884 2015 DG_{69}	16.6	X	203.42381	268.23779	100.86955	3.67813	0.0600487	0.18215787	3.0820340	21	4 6.9	21.2
466885 2015 DJ_{79}	17.0	X	289.22319	298.34305	74.21666	4.53097	0.2309664	0.22578224	2.6710142	21	6 24.3	20.6
466886 2015 DU_{97}	15.8	X	229.32670	225.71923	146.03562	11.45306	0.0944999	0.18723307	3.0260842	21	5 7.8	20.6
466887 2015 DP_{100}	15.7	X	148.46749	299.88168	95.41615	11.78312	0.0388512	0.17717890	3.1395065	21	3 11.9	20.4
466888 2015 DK_{112}	16.3	X	48.28771	74.20884	92.51260	12.51711	0.0312250	0.18410213	3.0602966	21	4 17.8	20.7
466889 2015 DP_{112}	15.8	X	172.36794	281.41372	89.79506	11.58795	0.1036040	0.17519327	3.1631839	21	3 14.1	20.9
466890 2015 DE_{113}	15.9	X	341.35267	114.25496	95.85242	11.26337	0.0896595	0.17034784	3.2228861	21	3 9.1	20.3
466891 2015 DW_{145}	16.0	X	317.18957	343.57368	253.76699	4.14903	0.0894146	0.17789677	3.1310548	21	3 1.4	20.3
466892 2015 DC_{146}	17.3	X	22.82631	138.67890	174.10823	4.64861	0.0659844	0.24204937	2.5499603	21	9 23.9	20.1
466893 2015 DM_{147}	16.4	X	91.83439	261.02585	181.75668	9.19326	0.0762571	0.17541078	3.1605684	21	2 28.4	20.7
466894 2015 DR_{148}	15.9	X	87.55746	179.70097	271.79760	4.79425	0.0502557	0.17536683	3.1610964	21	3 1.1	20.3
466895 2015 DS_{148}	16.1	X	298.53378	54.97620	282.09216	4.89456	0.0984492	0.21651800	2.7466714	21	6 10.3	19.6
466896 2015 DY_{156}	16.6	X	182.67419	287.47970	122.53958	10.91746	0.2651560	0.21242424	2.7818476	21	5 8.3	21.7
466897 2015 DA_{157}	16.9	X	245.24549	268.63910	118.96735	7.20857	0.0454541	0.22073972	2.7115382	21	6 15.7	20.6
466898 2015 DF_{169}	15.6	X	7.74598	339.59024	226.78096	18.33412	0.0738687	0.18541766	3.0458042	21	4 2.3	19.7
466899 2015 DR_{173}	15.9	X	158.84166	326.27547	78.28716	10.49817	0.0943494	0.17774610	3.1328240	21	4 7.9	20.8
466900 2015 EZ_{11}	16.7	X	254.97450	9.21233	15.72051	9.12892	0.1247050	0.21951753	2.7215934	21	6 12.6	20.8
466901 2015 EG_{13}	16.6	X	240.09911	14.47105	15.39196	5.40014	0.0358544	0.20996160	2.8035575	21	6 12.6	20.6
466902 2015 EJ_{13}	15.9	X	346.53519	283.74454	351.91159	10.39867	0.0593447	0.20284846	2.8687205	21	6 1.9	19.8
466903 2015 EE_{15}	16.0	X	120.06725	65.55263	354.80778	15.94714	0.1142691	0.17417989	3.1754410	21	3 14.1	20.6
466904 2015 ED_{17}	15.7	X	201.41530	350.66244	351.74097	18.10067	0.0511461	0.17186142	3.2039356	21	3 5.1	20.5
466905 2015 EO_{17}	15.9	X	244.49833	212.21518	106.22537	11.16614	0.0732331	0.17773303	3.1329775	21	3 24.0	20.7
466906 2015 EB_{19}	16.7	X	36.38479	55.49139	94.60263	13.99432	0.1186388	0.17259256	3.1948809	21	3 19.0	20.9
466907 2015 EL_{24}	16.0	X	212.25703	337.63623	4.37868	10.56366	0.0969005	0.17256640	3.1952038	21	3 14.4	21.0
466908 2015 EW_{31}	16.6	X	296.89790	246.43246	123.67310	6.70743	0.1027413	0.22060481	2.7126435	21	7 23.1	20.0
466909 2015 EM_{46}	15.8	X	257.97670	92.47094	161.27733	6.00136	0.0499452	0.14769901	3.5444675	21	1 22.5	21.1
466910 2015 FA_{1}	16.2	X	319.01987	266.66856	39.43713	7.89080	0.0257081	0.20905473	2.8116594	21	6 7.2	19.9
466911 2015 FZ_{1}	16.0	X	194.73188	336.97678	51.58268	11.36592	0.0417353	0.19059852	2.9903570	21	4 21.2	20.4
466912 2015 FL_{2}	16.0	X	205.85263	341.68990	37.31873	12.11172	0.0292867	0.18944346	3.0024997	21	4 20.9	20.3
466913 2015 FS_{2}	16.7	X	86.74653	66.08409	89.41488	10.75699	0.0199591	0.19532607	2.9419090	21	5 18.0	20.8
466914 2015 FM_{3}	15.9	X	316.50377	207.46963	111.99888	18.46738	0.0764344	0.20881758	2.8137878	21	6 18.3	19.6
466915 2015 FG_{319}	16.2	X	326.44968	190.80710	132.07372	9.48428	0.2635792	0.18541919	3.0457874	21	6 13.1	19.6
466916 2015 HY_{5}	14.1	X	309.06530	106.67161	315.41126	12.17085	0.0417443	0.08155537	5.2662445	21	10 3.3	21.0
466917 2015 LW_{2}	13.5	X	336.52862	343.41916	80.17382	17.49891	0.0374018	0.08490895	5.1266507	21	11 16.4	20.2
466918 2015 TB_{107}	16.1	X	22.42434	227.52998	204.20019	11.00909	0.0964656	0.19140746	2.9819256	21	—	—
466919 2015 UP_{66}	16.0	X	232.84075	204.43985	106.58833	15.86202	0.1090524	0.24045582	2.5612139	21	2 18.9	20.0
466920 2015 WK_{10}	16.2	X	11.81406	264.81172	133.15529	12.80257	0.2559173	0.17591165	3.1545662	21	—	—
466921 2015 XW_{68}	16.1	X	305.34618	29.85112	93.28579	12.29325	0.0892000	0.17439759	3.1727979	21	12 26.0	20.1
466922 2015 XB_{168}	17.3	X	81.52545	288.32925	212.00066	12.03552	0.2107292	0.22389658	2.6859901	21	5 16.6	20.7
466923 2015 XD_{168}	16.4	X	95.34084	214.11492	231.17810	12.62888	0.1666082	0.20988549	2.8042352	21	3 12.4	20.4
466924 2015 YU_{4}	16.4	X	12.83721	177.50473	256.80654	8.72196	0.1830932	0.18773505	3.0206875	21	—	—
466925 2015 YC_{9}	15.9	X	36.36490	136.41480	289.45115	7.96837	0.0904940	0.17629923	3.1499412	21	—	—
466926 2016 AE	17.5	X	206.33031	257.55470	171.46078	2.37462	0.1846665	0.26856145	2.3792510	21	6 15.0	21.2
466927 2016 AQ_{7}	15.7	X	83.95168	255.92007	100.63776	16.90617	0.2278446	0.17781442	3.1320214	21	—	—
466928 2016 AP_{24}	16.3	X	135.48427	212.79519	123.49154	8.50220	0.1333512	0.18361701	3.0656844	21	—	—
466929 2016 AF_{41}	16.2	X	24.16017	5.84622	72.21246	0.59844	0.0830768	0.17960135	3.1112124	21	—	—
466930 2016 AL_{43}	15.7	X	139.69881	67.19020	278.79316	10.57466	0.0274696	0.18932329	3.0037701	21	—	—
466931 2016 AV_{46}	16.5	X	164.69294	218.70966	122.10855	3.21705	0.0633600	0.19982983	2.8975382	21	1 17.1	20.6
466932 2016 AN_{47}	17.3	X	93.03796	36.02153	102.91601	5.09576	0.1737071	0.23668325	2.5883581	21	5 23.9	20.7
466933 2016 AF_{51}	17.6	X	75.45278	286.51204	294.55258	1.44598	0.1627442	0.26275649	2.4141657	21	8 19.8	20.7
466934 2016 AR_{52}	15.9	X	318.92541	280.08045	293.21099	13.63828	0.1013956	0.20377240	2.8600424	21	1 27.0	19.7
466935 2016 AO_{75}	16.6	X	36.33645	308.07193	157.85138	12.72976	0.1253309	0.18636986	3.0354210	21	1 10.2	20.3
466936 2016 AF_{93}	17.2	X	128.22897	94.87672	317.16221	8.93552	0.1404588	0.21546145	2.7556433	21	3 7.9	21.2
466937 2016 AC_{95}	15.9	X	18.19915	162.34650	303.54538	14.76040	0.1706402	0.18281931	3.0745957	21	—	—
466938 2016 AZ_{113}	18.5	X	171.03984	134.80214	348.62466	2.20609	0.1697113	0.26477476	2.4018820	21	7 23.9	22.4
466939 2016 AR_{117}	17.6	X	160.41911	218.98522	297.59567	6.92498	0.0959793	0.26964605	2.3728667	21	8 22.8	21.1
466940 2016 AT_{120}	16.8	X	124.12261	150.72765	321.92928	12.99512	0.2058049	0.23493095	2.6012129	21	5 25.5	21.1
466941 2016 AA_{124}	17.3	X	157.96622	356.64961	83.39734	5.66256	0.2628209	0.24074999	2.5591272	21	5 21.7	21.7
466942 2016 AR_{126}	16.7	X	184.84969	310.01420	131.70652	15.33827	0.0568232	0.23768832	2.5810564	21	6 14.4	20.7
466943 2016 AS_{126}	17.7	X	138.27889	157.61457	44.49421	5.94374	0.1364235	0.26821120	2.3813219	21	10 3.6	21.2
466944 2016 AU_{126}	17.4	X	142.04232	29.90026	88.53302	8.45068	0.1530428	0.23820218	2.5773431	21	6 17.9	21.2
466945 2016 AX_{126}	16.6	X	96.04673	38.05592	104.53424	12.09972	0.1360830	0.22312339	2.6921917	21	5 29.2	20.4
466946 2016 AB_{127}	16.4	X	2.57172	148.10856	78.63705	10.36624	0.1025501	0.21064823	2.7974619	21	4 24.9	19.8
466947 2016 AE_{127}	16.0	X	350.11676	136.87056	18.17199	16.85765	0.1738376	0.17462330	3.1700632	21	—	—
466948 2016 AL_{127}	15.6	X	319.04570	96.67981	123.25754	16.88835	0.0524501	0.18557446	3.0440883	21	2 18.4	19.8
466949 2016 AN_{127}	16.8	X	343.06413	187.12229	55.93632	12.28343	0.0413810	0.21194179	2.7860676	21	4 20.3	20.4
466950 2016 AR_{127}	16.9	X	113.06929	27.55132	110.51415	15.71669	0.0596125	0.22759122	2.6568419	21	6 3.4	20.7
466951 2016 AA_{128}	15.9	X	322.29657	167.79933	36.73648	14.84284	0.0934045	0.17850387	3.1239515	21	2 3.2	20.4
466952 2016 AB_{128}	17.0	X	93.74551	130.62244	26.85256	13.66559	0.1933169	0.22660174	2.6645706	21	6 19.9	21.0
466953 2016 AH_{128}	15.3	X	11.06466	21.10806	76.17787	16.48142	0.1213631	0.15550775	3.4247959	21	—	—
466954 2016 AB_{129}	16.4	X	12.85268	132.40633	37.70636	11.96681	0.0535981	0.19029107	2.9935771	21	3 3.9	20.5
466955 2016 AF_{129}	16.5	X	190.11961	274.52546	118.08184	14.11070	0.0480130	0.21134001	2.7913539	21	4 23.3	20.8
466956 2016 AO_{129}	16.9	X	103.72447	138.61706	10.48552	13.17691	0.1736344	0.23004045	2.6379501	21	6 18.2	20.9
466957 2016 AX_{172}	15.8	X	58.17204	151.27506	286.17006	16.14353	0.1685846	0.19043826	2.9920344	21	1 12.3	19.1
466958 2016 AB_{173}	15.3	X	304.29216	278.55634	284.67005	23.59834	0.2313032	0.17617363	3.1514381	21	—	—
466959 2016 AA_{179}	16.0	X	308.63118	338.61048	304.36881	21.30523	0.2365576	0.21248466	2.7813203	21	3 10.7	20.3
466960 2016 AR_{180}	16.7	X	50.14620	295.27658	260.78642	7.70993	0.0995782	0.22705958	2.6609875	21	5 26.6	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466961 2016 AT_{183}	16.2	X	27.16332	216.63964	242.95936	12.92736	0.0425662	0.17087819	3.2162142	21	—	—
466962 2016 AR_{185}	16.5	X	77.15922	251.67086	323.20588	13.71859	0.0892706	0.25854926	2.4402848	21	8 3.6	19.6
466963 2016 AF_{187}	16.7	X	111.82462	300.21091	293.48442	7.77683	0.0803226	0.29088972	2.2558859	21	10 9.0	19.9
466964 2016 AP_{187}	17.9	X	233.24608	166.76242	296.66317	7.53115	0.1314212	0.29169778	2.2517178	21	8 31.3	21.0
466965 2016 AR_{187}	17.5	X	163.54139	234.66646	296.05738	7.02348	0.0833934	0.28509120	2.2863717	21	9 14.1	20.7
466966 2016 AT_{192}	17.8	X	81.17158	27.34041	21.95297	20.85916	0.0863747	0.37630454	1.9000998	21	—	—
466967 2016 BJ_{4}	16.6	X	80.52686	299.12544	179.27969	4.98683	0.0654331	0.22004847	2.7172138	21	3 23.6	20.1
466968 2016 BP_{6}	16.3	X	122.12559	296.55570	163.04172	16.95828	0.0840997	0.21950643	2.7216851	21	4 29.8	20.4
466969 2016 BQ_{7}	15.6	X	6.82713	220.76267	287.16592	10.05073	0.0571136	0.17913131	3.1166525	21	1 21.9	19.7
466970 2016 BE_{8}	16.9	X	321.02375	357.41772	308.01170	10.82466	0.0269874	0.23480699	2.6021283	21	6 8.6	20.4
466971 2016 BH_{8}	16.1	X	36.56916	175.52554	313.41614	8.91502	0.1260254	0.18795540	3.0183262	21	2 9.2	19.6
466972 2016 BQ_{8}	16.0	X	37.08472	139.54934	309.29330	9.95018	0.1898540	0.17357222	3.1828481	21	—	—
466973 2016 BR_{8}	17.4	X	149.62082	231.73389	280.61047	5.87992	0.0581739	0.25423093	2.4678407	21	8 3.2	20.9
466974 2016 BN_{10}	17.6	X	163.09771	352.32863	168.89397	6.44177	0.1018782	0.26449306	2.4035871	21	9 2.5	21.2
466975 2016 BK_{11}	17.1	X	41.03572	92.88399	162.24316	13.25015	0.2325709	0.23616817	2.5921202	21	8 26.3	19.8
466976 2016 BM_{11}	18.2	X	202.74225	156.09061	328.30223	4.06568	0.1899363	0.27213707	2.3583644	21	8 22.9	22.0
466977 2016 BH_{14}	18.0	X	283.92600	311.63337	282.30469	16.92352	0.0838804	0.37238797	1.9133994	21	—	—
466978 2016 BV_{16}	18.0	X	185.89231	115.89640	341.09884	1.82713	0.1768874	0.26527431	2.3988656	21	7 2.9	21.9
466979 2016 BC_{17}	17.6	X	164.44797	101.90881	309.31647	7.32037	0.1516580	0.23665426	2.5885695	21	4 11.3	21.8
466980 2016 BE_{17}	16.8	X	45.88493	311.54564	102.89405	2.60941	0.1566475	0.17755692	3.1350489	21	—	—
466981 2016 BJ_{22}	18.2	X	167.59736	204.22498	303.42703	1.55182	0.1482472	0.27240800	2.3568004	21	8 20.8	21.8
466982 2016 BU_{24}	17.5	X	159.20496	120.03446	323.77820	7.89918	0.1121758	0.24465237	2.5318410	21	5 16.0	21.4
466983 2016 BZ_{29}	16.4	X	97.14305	171.11545	320.99683	12.81103	0.1224748	0.23019203	2.6367919	21	5 6.1	20.2
466984 2016 BV_{33}	16.8	X	82.01905	52.79970	29.52708	2.24474	0.0402991	0.20377371	2.8600302	21	2 7.6	20.5
466985 2016 BW_{33}	16.1	X	15.48090	146.96261	315.55595	8.52476	0.0668813	0.18027122	3.1035002	21	—	—
466986 2016 BF_{39}	18.1	X	288.21322	272.95072	330.55704	16.96346	0.1038538	0.38067841	1.8855174	21	—	—
466987 2016 BD_{46}	16.2	X	60.52285	119.63554	276.30513	6.71342	0.1191279	0.17545585	3.1600272	21	—	—
466988 2016 BE_{51}	16.2	X	315.26802	79.53027	128.02215	12.34640	0.0706145	0.19957382	2.9000156	21	1 22.0	20.2
466989 2016 BQ_{51}	16.8	X	232.61756	25.61655	281.11868	5.10846	0.0413823	0.20847649	2.8168561	21	2 15.8	20.8
466990 2016 BN_{53}	17.0	X	17.81826	310.38023	151.50275	5.56222	0.2517008	0.18197454	3.0841037	21	—	—
466991 2016 BT_{59}	17.1	X	191.32206	173.07960	316.09484	6.85327	0.0417906	0.27372631	2.3492272	21	8 24.9	20.0
466992 2016 BY_{66}	15.9	X	30.27509	280.21947	289.55784	12.06993	0.1221851	0.22837418	2.6507659	21	5 10.9	19.0
466993 2016 CQ_{4}	17.6	X	205.76552	281.61610	153.29348	6.73620	0.1480225	0.26276320	2.4141246	21	6 23.7	21.5
466994 2016 CN_{18}	16.9	X	211.05659	24.62309	320.97704	4.39476	0.0766059	0.22310029	2.6923775	21	3 9.4	20.8
466995 2016 CR_{18}	17.3	X	45.14971	189.62845	50.44995	2.43826	0.1777188	0.25435760	2.4670213	21	8 4.6	19.8
466996 2016 CZ_{22}	19.1	X	134.62617	162.00472	329.84482	5.27372	0.3300432	0.24782651	2.5101762	21	7 10.7	23.6
466997 2016 CO_{23}	15.9	X	347.77811	160.28958	317.58335	16.86909	0.2305922	0.17375453	3.1806213	21	—	—
466998 2016 CU_{27}	16.1	X	347.79529	41.37258	122.82554	14.52677	0.1270457	0.17818999	3.1276190	21	1 9.6	20.1
466999 2016 CX_{27}	17.9	X	262.42677	59.54130	18.23220	10.90233	0.0805453	0.28017802	2.3130233	21	9 17.3	20.6
467000 2016 CL_{63}	16.1	X	211.63890	211.95598	112.05331	11.08645	0.0939563	0.19321113	2.9633387	21	2 19.2	20.7
467001 2016 CT_{63}	17.0	X	64.82945	88.64041	105.52755	10.77958	0.1321187	0.23313398	2.6145623	21	6 22.0	20.2
467002 2016 CW_{66}	16.1	X	32.89323	118.24979	342.16991	9.81019	0.0912332	0.18046923	3.1012297	21	1 1.5	20.1
467003 2016 CV_{72}	17.5	X	108.76917	64.60577	72.98649	2.03223	0.1463762	0.23097969	2.6307941	21	6 6.0	21.0
467004 2016 CY_{72}	17.3	X	135.78952	332.17997	131.60504	6.17521	0.0159307	0.22494522	2.6776360	21	5 11.3	21.0
467005 2016 CK_{81}	18.0	X	165.64054	73.70256	21.49685	6.29829	0.0600169	0.24493386	2.5299008	21	6 6.2	21.6
467006 2016 CC_{90}	17.0	X	88.16672	99.51210	16.92614	12.76859	0.1368905	0.21517705	2.7580708	21	4 11.2	20.5
467007 2016 CS_{103}	15.6	X	43.13051	271.33190	157.45204	21.85745	0.1146904	0.17437329	3.1730925	21	—	—
467008 2016 CP_{107}	17.0	X	47.62301	2.02614	178.43286	8.99696	0.1031440	0.22331019	2.6906902	21	5 3.6	20.2
467009 2016 CT_{119}	17.0	X	64.48914	325.88063	170.13112	10.61248	0.0641303	0.21115251	2.7930061	21	3 26.2	20.6
467010 2016 CQ_{120}	16.4	X	20.18726	351.27384	180.25672	7.38710	0.1682848	0.20204240	2.8763454	21	3 5.2	19.5
467011 2016 CX_{130}	15.7	X	281.21378	253.31780	329.68623	7.95939	0.0521592	0.17408932	3.1765422	21	1 9.3	20.3
467012 2016 CM_{131}	16.9	X	28.78759	299.47849	186.04542	1.72382	0.0725990	0.18378838	3.0637784	21	1 24.1	20.9
467013 2016 CF_{132}	17.4	X	151.71492	97.24667	337.25911	5.54928	0.0430117	0.22101946	2.7092497	21	4 21.4	21.3
467014 2016 CH_{133}	16.9	X	197.36070	261.42501	96.41623	7.25772	0.0749715	0.21149382	2.7900003	21	3 16.2	21.2
467015 2016 CC_{143}	17.6	X	107.03290	95.74129	143.27158	5.49692	0.1957461	0.26434364	2.4044927	21	10 23.6	21.4
467016 2016 CF_{143}	16.1	X	23.14360	336.03393	157.88927	12.14472	0.2421845	0.18454231	3.0554282	21	1 20.7	19.1
467017 2016 CJ_{144}	16.0	X	274.68246	286.04059	323.50976	23.80376	0.2493141	0.17971209	3.1099341	21	1 16.5	21.3
467018 2016 CM_{149}	16.1	X	38.49494	310.28673	166.90776	10.57174	0.0812966	0.17863858	3.1223808	21	1 28.1	20.1
467019 2016 CY_{149}	16.5	X	315.45810	246.44622	94.84275	4.44894	0.1920684	0.24656337	2.5187420	21	6 28.1	18.9
467020 2016 CG_{150}	16.5	X	23.53286	359.56670	145.25433	10.54736	0.0840963	0.18487609	3.0517496	21	2 9.4	20.3
467021 2016 CJ_{150}	17.0	X	289.18511	267.47593	77.33551	4.12344	0.0282331	0.23766906	2.5811958	21	6 18.1	20.2
467022 2016 CE_{151}	16.4	X	306.95802	243.83192	310.44505	8.03825	0.1996833	0.17945857	3.1128623	21	—	—
467023 2016 CY_{166}	17.9	X	146.75037	75.79404	126.32563	3.04515	0.1020965	0.28720672	2.2751305	21	10 12.9	21.2
467024 2016 CY_{172}	17.2	X	42.09602	134.67581	125.14497	3.11338	0.1573741	0.26399609	2.4066026	21	8 25.9	19.6
467025 2016 CQ_{185}	16.3	X	251.16780	62.94191	196.94187	11.60929	0.0095785	0.18936396	3.0033400	21	1 16.5	20.7
467026 2016 CX_{188}	17.5	X	173.16427	98.39717	351.50970	12.76535	0.1334903	0.23877152	2.5732444	21	6 9.8	21.8
467027 2016 CZ_{188}	17.8	X	61.90312	147.76757	9.99071	2.66259	0.1029162	0.20998991	2.8033055	21	4 23.7	21.3
467028 2016 CD_{189}	17.0	X	111.59071	305.85651	161.62078	4.74426	0.0620420	0.21079209	2.7961889	21	4 21.8	20.8
467029 2016 CJ_{189}	17.0	X	357.03785	293.29820	359.16090	13.38790	0.1785360	0.23346249	2.6121091	21	7 18.3	19.7
467030 2016 CQ_{196}	17.4	X	113.45398	171.43317	340.71106	9.71585	0.0564087	0.23971674	2.5664756	21	6 19.2	21.0
467031 2016 CK_{198}	17.6	X	9.14703	81.87637	174.38998	3.50799	0.0350515	0.24124391	2.5556329	21	6 11.1	20.7
467032 2016 CJ_{209}	15.6	X	42.10976	107.36071	348.84149	7.34842	0.0410901	0.17798278	3.1300461	21	1 9.2	19.8
467033 2016 CO_{209}	17.3	X	159.60212	69.62549	15.74135	2.84855	0.0161815	0.23151575	2.6267315	21	5 14.4	20.9
467034 2016 CS_{210}	17.0	X	84.88589	167.45978	84.93407	2.37541	0.2246161	0.26414571	2.4056938	21	10 20.8	20.6
467035 2016 CB_{211}	16.0	X	231.45113	126.60826	149.13724	15.80512	0.0263381	0.17881450	3.1203326	21	1 15.3	20.7
467036 2016 CS_{211}	15.7	X	178.29618	343.65742	337.65063	15.18272	0.0590230	0.17499788	3.1655379	21	1 16.5	20.6
467037 2016 CN_{213}	17.5	X	55.02814	79.95905	133.15691	5.55156	0.1661525	0.23360318	2.6110602	21	7 8.6	20.4
467038 2016 CA_{214}	17.5	X	125.53123	81.19691	102.24734	2.38509	0.1181348	0.25874429	2.4390584	21	8 23.8	21.1
467039 2016 CM_{214}	16.6	X	282.49343	291.69437	343.44207	5.54251	0.0535364	0.20136711	2.8827724	21	3 8.2	20.5
467040 2016 CN_{215}	15.9	X	81.82698	280.09601	128.45015	10.05283	0.0793178	0.17457532	3.1706440	21	1 6.8	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467041 2016 CP_{216}	17.6	X	112.27832	62.76161	30.67423	3.56063	0.1658359	0.21775905	2.7362256	21	4 16.9	21.3
467042 2016 CG_{217}	16.5	X	212.40342	202.07804	129.97348	13.05717	0.0532236	0.19796894	2.9156676	21	3 1.5	20.8
467043 2016 CF_{220}	16.3	X	320.07836	59.24077	143.86018	17.40135	0.1650669	0.18220395	3.0815143	21	1 12.7	20.7
467044 2016 CA_{247}	18.2	X	128.96049	124.28078	270.99650	17.87876	0.1178579	0.37807778	1.8941540	21	1 8.6	19.6
467045 2016 CE_{255}	15.6	X	321.54821	201.93680	344.75401	18.06415	0.0893221	0.17584223	3.1553964	21	1 11.8	20.2
467046 2016 CM_{255}	16.2	X	166.40805	175.49117	135.46518	16.01496	0.0117295	0.17847168	3.1243272	21	—	—
467047 2016 CX_{258}	16.7	X	34.99499	139.40585	143.49202	13.82448	0.2583345	0.22872678	2.6480410	21	10 3.8	19.9
467048 2016 CA_{259}	16.4	X	332.41110	66.66499	207.00289	14.54622	0.1174043	0.20347315	2.8628460	21	5 5.4	19.9
467049 2016 DV_{2}	17.2	X	154.52962	205.37455	279.80145	12.84743	0.1853367	0.25610361	2.4557958	21	7 10.0	21.1
467050 2016 DR_{3}	16.9	X	182.95034	238.49046	156.11960	13.88088	0.0466375	0.22109536	2.7086297	21	4 13.8	20.9
467051 2016 DY_{5}	15.8	X	345.31785	212.75038	316.78901	8.33497	0.0276893	0.17932004	3.1144653	21	1 24.3	20.1
467052 2016 DN_{6}	16.3	X	347.81828	264.17651	349.47962	12.23309	0.0671793	0.22203126	2.7010127	21	4 29.3	19.8
467053 2016 DO_{6}	16.6	X	357.19165	0.12720	139.46604	6.77458	0.2373239	0.17580956	3.1557873	21	—	—
467054 2016 DP_{6}	17.2	X	148.57892	103.64939	341.69096	13.13184	0.1803789	0.23276381	2.6173336	21	5 9.9	21.6
467055 2016 DT_{6}	16.4	X	156.13745	323.96542	135.11189	15.16446	0.0143092	0.23379401	2.6096392	21	6 1.6	20.2
467056 2016 DU_{6}	17.4	X	163.25542	90.56516	104.87524	6.73280	0.0512764	0.28449863	2.2895454	21	10 25.2	20.5
467057 2016 DJ_{8}	17.2	X	81.35996	294.50159	322.82107	3.49690	0.0916891	0.27049184	2.3679177	21	10 5.6	20.2
467058 2016 DB_{10}	16.9	X	323.37020	291.11104	325.76274	2.66909	0.0457368	0.21336461	2.7736679	21	4 5.4	20.7
467059 2016 DR_{12}	18.2	X	209.47025	333.92155	169.33090	4.48720	0.1216251	0.28522343	2.2856650	21	10 1.3	21.4
467060 2016 DA_{13}	16.0	X	9.47312	313.40656	166.46100	9.64570	0.1011881	0.17337493	3.1852622	21	—	—
467061 2016 DJ_{13}	16.6	X	333.95958	219.63296	324.93783	7.95908	0.0103114	0.18440027	3.0569970	21	1 29.4	20.8
467062 2016 DA_{15}	16.5	X	11.85168	353.78763	193.38057	11.03422	0.1164876	0.20316492	2.8657408	21	3 11.8	19.9
467063 2016 DC_{15}	16.4	X	19.53849	304.18073	323.56349	12.00795	0.2477865	0.23292985	2.6160896	21	8 5.4	18.4
467064 2016 DD_{15}	17.7	X	75.85431	10.76197	241.25146	3.62426	0.0558192	0.26514410	2.3996509	21	9 14.7	20.7
467065 2016 DY_{15}	15.8	X	241.40102	329.64178	308.58360	8.09963	0.0568700	0.17897805	3.1184314	21	1 28.0	20.3
467066 2016 DG_{16}	17.6	X	202.02071	24.35742	100.38097	6.11033	0.1986163	0.27520076	2.3408287	21	8 24.5	21.3
467067 2016 DC_{19}	17.3	X	84.70337	343.55417	172.31295	2.79290	0.0655902	0.22521761	2.6754766	21	5 18.9	20.7
467068 2016 DD_{19}	17.5	X	44.58679	17.11090	182.10069	1.52613	0.0177340	0.22584142	2.6705475	21	5 14.5	21.0
467069 2016 DF_{19}	17.9	X	111.67020	305.16211	289.79832	1.33701	0.1850982	0.26899181	2.3767126	21	10 19.7	21.6
467070 2016 DN_{19}	17.2	X	145.50159	139.08843	326.51574	4.22743	0.0729961	0.23309818	2.6148300	21	5 28.5	20.9
467071 2016 DW_{19}	18.0	X	136.32330	329.99513	165.29535	3.76680	0.1288777	0.24302678	2.5431187	21	7 1.8	21.8
467072 2016 DE_{20}	17.2	X	10.57336	291.78751	309.84480	1.31089	0.0169670	0.22942978	2.6426289	21	5 23.4	20.6
467073 2016 DF_{20}	17.7	X	79.42054	74.69910	178.40129	3.51176	0.0956167	0.26582248	2.3955666	21	9 29.2	20.8
467074 2016 DG_{20}	16.9	X	326.13995	29.17593	229.10134	0.93265	0.0485142	0.21302610	2.7766054	21	4 11.7	20.5
467075 2016 DM_{20}	17.6	X	228.95940	239.68405	208.43315	0.88981	0.1691963	0.27283075	2.3543652	21	8 2.7	21.1
467076 2016 DQ_{20}	17.9	X	118.55887	226.40171	46.54618	1.38666	0.1866866	0.29030126	2.2589334	21	12 15.1	21.4
467077 2016 DM_{23}	17.8	X	211.02042	325.91875	345.72997	20.20197	0.0405903	0.36908478	1.9247986	21	—	—
467078 2016 DQ_{23}	16.0	X	99.54594	265.49552	141.92133	8.53478	0.0258167	0.17846808	3.1243692	21	1 19.8	20.3
467079 2016 DS_{26}	17.5	X	260.69268	347.59270	68.71657	7.02239	0.1033947	0.26776590	2.3839613	21	8 9.2	20.6
467080 2016 DX_{26}	16.4	X	1.10734	76.77335	72.25968	2.45140	0.1225951	0.17787076	3.1313600	21	1 11.6	20.2
467081 2016 DD_{27}	18.0	X	227.69372	20.07378	107.27758	5.86187	0.0955092	0.28628408	2.2800161	21	10 7.8	20.9
467082 2016 DO_{27}	17.9	X	230.79113	86.85767	77.63819	4.95330	0.0798276	0.30419894	2.1895973	21	12 4.9	20.2
467083 2016 DP_{27}	18.3	X	221.07966	79.19557	33.80834	6.24250	0.1068042	0.27718905	2.3296213	21	9 6.9	21.5
467084 2016 DZ_{29}	17.7	X	331.21491	292.40174	97.97252	9.56654	0.1162779	0.28834693	2.2691289	21	11 4.1	19.9
467085 2016 EB_{4}	16.8	X	88.97488	325.83275	176.74519	8.53971	0.0944329	0.22165469	2.7040711	21	5 12.9	20.4
467086 2016 EZ_{4}	16.3	X	307.23607	250.27331	355.01678	8.40342	0.0820097	0.18401349	3.0612792	21	3 1.9	20.5
467087 2016 EB_{5}	16.1	X	349.97309	196.40223	344.67799	4.52999	0.0922063	0.17825805	3.1268229	21	2 7.5	20.0
467088 2016 EH_{6}	17.6	X	60.50197	260.66374	169.89785	22.57575	0.1142122	0.36793928	1.9287915	21	—	—
467089 2016 EW_{7}	17.8	X	209.45079	144.91996	3.71063	3.60794	0.1108718	0.27754269	2.3276420	21	10 7.7	20.9
467090 2016 EX_{7}	17.6	X	152.29841	212.20867	10.59170	6.68386	0.1560898	0.27792791	2.3254907	21	11 9.6	21.3
467091 2016 EY_{7}	18.2	X	171.63242	5.94364	185.55591	5.48665	0.1066441	0.27660007	2.3329272	21	10 23.9	21.4
467092 2016 EU_{9}	18.0	X	236.23597	43.80337	52.10953	6.39989	0.1322260	0.27839923	2.3228653	21	8 30.3	21.2
467093 2016 ES_{10}	17.5	X	109.51209	120.41584	24.26579	15.10958	0.2103401	0.23302059	2.6154104	21	6 23.5	21.7
467094 2016 EV_{11}	17.1	X	46.06396	93.38412	97.93280	13.33839	0.1300776	0.21695154	2.7430110	21	5 21.6	20.4
467095 2016 EY_{14}	16.6	X	165.06960	12.17892	107.14674	15.87959	0.0497442	0.24435060	2.5339251	21	7 8.9	20.0
467096 2016 EA_{19}	16.4	X	278.68603	270.11956	83.78426	12.62358	0.1001966	0.23464651	2.6033146	21	6 5.4	19.7
467097 2016 ED_{22}	16.8	X	85.70414	348.71884	250.66682	10.74884	0.1211422	0.25314939	2.4748647	21	9 14.8	20.4
467098 2016 EF_{22}	16.6	X	97.29504	284.64200	249.64039	10.36630	0.1266063	0.23224216	2.6212514	21	7 7.0	20.3
467099 2016 EB_{30}	17.0	X	76.32986	191.83468	53.01578	8.76279	0.1157516	0.25800415	2.4437208	21	9 20.7	20.3
467100 2016 ET_{45}	15.6	X	64.80420	332.93875	109.44695	16.85852	0.0848007	0.17771563	3.1331821	21	1 25.5	19.7
467101 2016 EZ_{53}	16.2	X	92.98658	291.09587	271.22536	4.34251	0.0744553	0.23805092	2.5784347	21	8 1.7	19.7
467102 2016 EB_{56}	17.7	X	230.40976	279.85607	14.62323	20.12409	0.0846161	0.36681845	1.9327185	21	1 1.9	20.6
467103 2016 EK_{57}	16.1	X	17.54350	315.92545	184.75648	27.81873	0.2039089	0.17397299	3.1779581	21	1 20.9	20.1
467104 2016 EN_{57}	16.8	X	141.82540	302.28436	161.79219	13.38965	0.2184331	0.22361150	2.6882726	21	6 6.4	21.5
467105 2016 EZ_{57}	17.7	X	110.59635	4.53835	90.72846	3.90044	0.1498684	0.21662640	2.7457551	21	4 16.9	21.5
467106 2016 EB_{59}	17.2	X	334.29020	270.39685	354.30894	3.65059	0.1633685	0.21396551	2.7684724	21	4 16.5	20.2
467107 2016 EA_{60}	18.0	X	131.90354	155.69770	313.01840	2.09943	0.2064089	0.23350644	2.6117813	21	5 30.5	22.1
467108 2016 EF_{60}	16.6	X	296.50984	331.78834	284.89246	1.57346	0.0923238	0.19508404	2.9443418	21	2 25.6	20.6
467109 2016 ET_{60}	17.9	X	149.81626	136.59798	46.29021	2.30499	0.1365493	0.27015344	2.3698947	21	9 19.4	21.5
467110 2016 EP_{63}	16.3	X	323.28509	245.98353	331.91504	25.17270	0.1979558	0.17904526	3.1176510	21	2 5.4	20.5
467111 2016 EL_{64}	16.1	X	348.49597	295.55391	258.23518	15.31315	0.1548682	0.18570900	3.0426179	21	2 5.0	20.1
467112 2016 EO_{66}	15.9	X	314.44071	141.37617	73.14989	10.69837	0.0430060	0.18503895	3.0499586	21	2 8.8	20.3
467113 2016 EN_{67}	17.6	X	171.38417	176.48061	340.71086	5.50022	0.0949065	0.26961037	2.3730760	21	9 6.9	20.9
467114 2016 EQ_{67}	16.1	X	258.77101	22.43784	338.29592	12.74062	0.2943439	0.24001353	2.5643594	21	4 23.2	20.7
467115 2016 EK_{68}	16.9	X	36.24253	317.28095	172.60819	10.61571	0.0672694	0.19306226	2.9648618	21	2 5.9	20.7
467116 2016 EG_{72}	16.3	X	107.79934	88.55067	349.74176	8.88366	0.1042923	0.18305885	3.0719129	21	3 18.1	20.5
467117 2016 EW_{72}	16.1	X	35.95990	116.05672	344.32532	8.40508	0.0788601	0.17696004	3.1420945	21	1 6.9	20.2
467118 2016 EX_{72}	17.3	X	136.93840	316.91194	150.29406	4.85090	0.1884388	0.23609847	2.5926304	21	6 2.1	21.4
467119 2016 EC_{73}	17.0	X	37.57729	319.04515	144.56054	9.94433	0.2536656	0.18381025	3.0635353	21	1 13.6	19.9
467120 2016 EG_{73}	17.2	X	101.08913	25.81264	148.72378	13.16603	0.2143086	0.23926281	2.5697206	21	7 23.9	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467121 2016 EL_{73}	17.1	X	132.43700	117.25130	83.40162	4.79958	0.0791155	0.26496461	2.4007345	21	9 23.2	20.5
467122 2016 EU_{73}	17.7	X	148.13026	134.02073	131.05855	5.91204	0.0515784	0.30310909	2.1948428	21	—	—
467123 2016 EC_{74}	16.7	X	91.34594	30.47147	133.32750	14.17728	0.1861911	0.22339236	2.6900303	21	6 26.4	20.6
467124 2016 EP_{74}	17.5	X	136.02561	52.41474	177.96763	4.30130	0.1190610	0.28610169	2.2809850	21	11 7.3	20.8
467125 2016 ES_{74}	18.0	X	171.19131	143.16952	355.14474	1.50117	0.1138207	0.26460570	2.4029049	21	8 12.5	21.6
467126 2016 EW_{74}	17.8	X	198.41296	128.63539	2.25040	6.69747	0.1112351	0.27561883	2.3384610	21	9 3.1	21.0
467127 2016 EB_{75}	18.3	X	165.87040	30.92301	175.57411	4.15221	0.1097633	0.29012667	2.2598396	21	11 8.1	21.5
467128 2016 EL_{75}	16.4	X	6.07189	262.21952	338.46903	12.83270	0.0702954	0.22653197	2.6651176	21	5 9.8	19.9
467129 2016 EP_{75}	16.5	X	10.15846	251.58513	337.46089	12.54637	0.1494755	0.21832616	2.7314853	21	4 28.8	19.6
467130 2016 ER_{75}	18.2	X	174.58856	321.10992	169.55228	2.48574	0.1571477	0.26329111	2.4108966	21	8 4.7	21.8
467131 2016 EC_{77}	17.1	X	22.71435	98.49581	358.07924	7.38804	0.3360680	0.17993190	3.1074008	21	—	—
467132 2016 EE_{77}	16.7	X	66.46028	344.61070	132.16063	8.64677	0.0970700	0.19967403	2.8990453	21	3 10.9	20.3
467133 2016 EF_{77}	17.2	X	59.94579	100.84610	65.35317	4.26941	0.1326876	0.21733933	2.7397473	21	5 6.8	20.3
467134 2016 EY_{77}	17.0	X	25.31457	238.16848	255.38365	0.58549	0.1008385	0.18697412	3.0288776	21	1 28.3	20.5
467135 2016 ED_{78}	17.0	X	177.11852	65.36584	336.75327	5.50664	0.0272434	0.21701702	2.7424592	21	4 9.9	20.9
467136 2016 EK_{78}	16.3	X	56.03256	142.04168	304.80275	9.84708	0.1235906	0.18222940	3.0812274	21	1 20.2	20.0
467137 2016 EP_{78}	16.3	X	19.85824	323.05329	275.68622	9.17208	0.2025541	0.22124247	2.7074288	21	6 12.6	18.8
467138 2016 EB_{79}	16.4	X	129.47220	314.94108	167.18371	13.41966	0.2077934	0.22315208	2.6919610	21	6 15.9	20.9
467139 2016 EG_{79}	17.1	X	98.24342	60.32103	154.15790	14.03328	0.1055931	0.24179968	2.5517154	21	8 30.7	20.6
467140 2016 ES_{79}	16.0	X	331.55421	60.88173	131.06887	8.74171	0.1003890	0.17712728	3.1401164	21	1 24.5	20.3
467141 2016 EV_{79}	17.5	X	198.60220	83.36410	54.58137	7.55156	0.0639169	0.26929268	2.3749421	21	9 18.7	20.8
467142 2016 EZ_{79}	16.7	X	214.91279	298.86698	90.70717	7.11627	0.0485704	0.22125567	2.7073211	21	5 12.9	20.6
467143 2016 EY_{80}	18.2	X	243.50290	46.57455	88.21011	5.37912	0.0969548	0.29749336	2.2223777	21	11 8.6	20.7
467144 2016 EB_{81}	16.8	X	9.87047	136.81179	24.72717	9.20930	0.1425859	0.18881220	3.0091882	21	2 10.1	20.4
467145 2016 EK_{82}	17.5	X	44.27747	82.69987	24.52237	15.75531	0.3198389	0.19155876	2.9803552	21	2 17.9	20.2
467146 2016 EG_{83}	15.9	X	41.17181	8.59303	85.62106	11.10869	0.0278297	0.16900666	3.2399141	21	1 6.1	20.3
467147 2016 EJ_{83}	15.8	X	215.74253	230.93487	79.27993	13.06146	0.0509463	0.18139771	3.0906383	21	2 10.9	20.6
467148 2016 EL_{83}	17.1	X	24.30705	110.50190	109.80412	12.28427	0.0484720	0.22145766	2.7056746	21	5 19.8	20.7
467149 2016 EQ_{83}	16.8	X	70.72235	94.94228	110.14751	13.91649	0.0900366	0.23766179	2.5812484	21	7 9.2	20.0
467150 2016 EV_{83}	16.4	X	358.58975	98.48816	39.24534	15.92728	0.2226136	0.17487842	3.1669793	21	—	—
467151 2016 ER_{86}	16.9	X	108.37207	316.86784	130.43114	8.76897	0.1917398	0.21290746	2.7776368	21	4 12.3	21.0
467152 2016 EW_{86}	16.5	X	320.15712	49.67305	154.22515	12.82353	0.1422794	0.17398400	3.1778240	21	1 18.2	20.9
467153 2016 EC_{87}	17.4	X	114.71416	120.78421	128.97757	6.47202	0.0677070	0.27744786	2.3281724	21	11 7.5	20.6
467154 2016 EB_{88}	16.2	X	95.15662	63.55963	26.56411	9.86635	0.0376746	0.19212535	2.9744929	21	3 10.9	20.3
467155 2016 EE_{88}	15.9	X	280.10454	182.06036	56.15767	11.79558	0.0618000	0.17297916	3.1901188	21	1 26.6	20.7
467156 2016 EV_{88}	17.9	X	184.96109	152.27169	313.10483	5.60910	0.0722901	0.25609490	2.4558515	21	7 14.8	21.5
467157 2016 EY_{88}	16.8	X	1.69522	116.12096	171.77877	10.90682	0.1779038	0.24435737	2.5338783	21	7 15.6	19.2
467158 2016 EB_{89}	16.0	X	68.69741	251.14518	162.83704	21.97794	0.0536937	0.17056766	3.2201166	21	—	—
467159 2016 EJ_{89}	17.1	X	22.33609	240.02165	279.25068	1.08659	0.0489981	0.19659836	2.9292029	21	2 23.8	21.0
467160 2016 EK_{90}	17.9	X	182.81264	28.12835	133.29014	2.93562	0.1427688	0.27226990	2.3575973	21	9 24.5	21.3
467161 2016 ET_{94}	17.0	X	100.55932	54.22782	80.27458	6.79099	0.0491227	0.22286005	2.6943121	21	5 10.2	20.6
467162 2016 EC_{96}	15.7	X	32.51542	348.39458	122.52401	12.52266	0.0530790	0.17599764	3.1535386	21	1 13.5	19.9
467163 2016 EY_{100}	15.9	X	56.28368	37.32584	45.86160	10.10063	0.0614506	0.17429980	3.1739844	21	1 14.5	20.3
467164 2016 EW_{104}	16.2	X	81.02774	291.36306	121.64686	16.83644	0.2191733	0.17759117	3.1346458	21	1 29.9	20.0
467165 2016 ER_{106}	17.3	X	151.05458	171.75102	83.45061	9.26869	0.2496873	0.29494727	2.2351489	21	12 19.9	21.1
467166 2016 ET_{107}	16.4	X	176.50313	278.11247	93.21109	10.59271	0.0474145	0.19539267	2.9412405	21	3 12.5	20.9
467167 2016 EV_{108}	16.0	X	317.51837	54.41183	158.17814	17.19708	0.1126415	0.18453109	3.0555521	21	1 26.9	20.3
467168 2016 EB_{109}	15.8	X	127.36650	279.28448	94.81942	12.99434	0.1419224	0.17978191	3.1091288	21	1 30.2	20.4
467169 2016 EF_{109}	15.7	X	353.74195	19.89692	137.32774	18.80987	0.1792943	0.17864163	3.1223453	21	1 3.9	19.7
467170 2016 EH_{109}	16.7	X	8.36892	212.94815	76.42402	6.74828	0.1867374	0.24349065	2.5398877	21	8 8.1	18.9
467171 2016 EH_{110}	16.1	X	89.83154	27.24760	60.67629	10.49234	0.0647197	0.19143752	2.9816134	21	3 7.0	20.3
467172 2016 EK_{110}	16.0	X	135.00379	328.60963	60.03788	11.22524	0.0909367	0.18337729	3.0683555	21	2 21.6	20.7
467173 2016 ET_{110}	15.5	X	16.16884	179.78574	294.53616	22.60085	0.1388278	0.17881455	3.1203320	21	—	—
467174 2016 EU_{110}	16.8	X	221.61945	216.43185	208.55192	13.95846	0.0416493	0.25830033	2.4418524	21	7 3.6	20.4
467175 2016 EX_{110}	15.9	X	358.89760	152.58016	23.84966	16.61068	0.1176535	0.18071872	3.0983748	21	2 19.5	20.0
467176 2016 EZ_{110}	15.9	X	38.68465	278.46336	189.59485	10.34572	0.0807875	0.17306486	3.1890655	21	1 17.9	20.1
467177 2016 EC_{111}	17.0	X	20.38750	29.60927	186.91433	7.85422	0.1564166	0.21114403	2.7930809	21	5 10.4	19.9
467178 2016 EH_{111}	15.8	X	60.27195	96.22947	353.17398	10.91788	0.0722119	0.17512839	3.1639651	21	1 29.9	20.0
467179 2016 EQ_{111}	18.7	X	217.67880	76.81684	118.37907	4.31231	0.0632231	0.31025701	2.1610010	21	—	—
467180 2016 EG_{112}	16.7	X	170.56018	35.61054	0.46387	7.97471	0.0411746	0.20586041	2.8406703	21	3 28.9	20.7
467181 2016 EV_{112}	18.0	X	178.53027	134.95177	19.06230	1.59532	0.1210760	0.27048515	2.3679568	21	9 10.5	21.5
467182 2016 EN_{113}	16.8	X	271.03884	290.67279	26.85412	6.77024	0.0432287	0.21416047	2.7667920	21	4 17.0	20.4
467183 2016 EL_{115}	16.6	X	55.50608	215.43807	354.12531	15.39502	0.0836601	0.23225425	2.6211604	21	6 21.8	20.2
467184 2016 ET_{115}	16.8	X	137.74202	97.07175	7.92906	14.30984	0.1694330	0.23040654	2.6351551	21	5 24.6	21.2
467185 2016 EK_{116}	16.8	X	198.33779	331.36792	37.32162	4.24312	0.0065590	0.20364264	2.8612572	21	3 28.8	20.6
467186 2016 EW_{116}	15.9	X	142.14493	281.22716	166.59358	25.55072	0.0390073	0.21694527	2.7430639	21	5 4.3	20.2
467187 2016 EH_{118}	16.2	X	261.87762	256.04480	34.47376	5.68851	0.2392854	0.18438254	3.0571930	21	2 18.7	21.3
467188 2016 EJ_{119}	17.9	X	114.03622	174.25043	65.13732	3.21485	0.1574423	0.27244874	2.3565655	21	10 27.6	21.4
467189 2016 ES_{119}	17.5	X	117.50155	222.39099	13.40813	5.00685	0.1507305	0.27174746	2.3606181	21	10 24.3	20.9
467190 2016 EA_{120}	15.8	X	355.95069	18.95133	132.54616	11.73254	0.0656154	0.17634965	3.1493407	21	1 12.2	20.0
467191 2016 EB_{120}	15.9	X	227.59561	265.45954	66.72668	7.14005	0.0707527	0.20182292	2.8784303	21	3 18.4	20.3
467192 2016 EO_{123}	16.7	X	311.07558	264.23833	340.97722	2.86578	0.1936083	0.18500482	3.0503337	21	2 17.6	20.8
467193 2016 EQ_{125}	18.1	X	200.23672	10.17037	187.56818	7.85219	0.0987614	0.29698256	2.2249252	21	12 7.0	21.1
467194 2016 EZ_{126}	17.4	X	139.39147	93.26582	356.45778	8.25002	0.2033438	0.22383486	2.6864839	21	5 11.4	21.8
467195 2016 EP_{129}	17.2	X	90.52399	269.33283	218.28029	1.80996	0.1363635	0.21089909	2.7952431	21	4 30.4	20.8
467196 2016 ED_{130}	17.5	X	131.93652	260.94590	358.89717	3.99420	0.1117614	0.28843824	2.2686499	21	12 9.5	20.9
467197 2016 EE_{133}	17.5	X	75.91030	299.61325	346.58306	5.57541	0.1209445	0.27074334	2.3664511	21	11 9.9	20.8
467198 2016 EG_{133}	15.6	X	303.12215	38.02475	190.11924	26.09251	0.1409919	0.17335364	3.1855229	21	1 23.8	20.7
467199 2016 EU_{133}	16.3	X	40.26341	279.76766	206.19163	5.18957	0.1489545	0.18281477	3.0746466	21	2 12.6	19.9
467200 2016 EJ_{134}	17.3	X	119.55224	356.74700	168.40841	1.31092	0.0069385	0.23724348	2.5842818	21	7 8.3	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467201 2016 EU_{134}	17.9	X	171.11374	352.41247	187.19133	5.35650	0.1557422	0.27249100	2.3563219	21	10 5.1	21.4
467202 2016 ET_{136}	16.1	X	330.48327	197.63058	14.95813	10.31923	0.0522535	0.18323679	3.0699238	21	2 26.3	20.3
467203 2016 EY_{137}	17.4	X	123.66745	337.32306	172.68493	10.46840	0.0877405	0.23519616	2.5992570	21	7 2.5	21.3
467204 2016 ER_{138}	17.0	X	167.54021	241.08376	7.30991	5.83008	0.1044392	0.29910395	2.2143926	21	—	—
467205 2016 EU_{138}	18.0	X	159.61561	79.87993	168.90257	2.07513	0.1244762	0.29420954	2.2388838	21	12 24.7	21.1
467206 2016 EV_{139}	17.6	X	127.32413	218.10199	13.73116	3.64909	0.0848623	0.27183576	2.3601068	21	10 26.3	20.8
467207 2016 EA_{140}	17.5	X	142.07557	352.90942	264.38238	3.39685	0.1157313	0.29298591	2.2451131	21	12 17.8	20.7
467208 2016 EF_{142}	16.2	X	1.79422	350.03425	166.89237	8.85845	0.0377495	0.17184769	3.2041063	21	1 28.6	20.6
467209 2016 ER_{143}	17.3	X	92.31644	190.42313	15.54570	5.20572	0.0758232	0.24140954	2.5544638	21	8 9.4	20.7
467210 2016 EJ_{145}	16.0	X	356.97186	158.08436	18.92836	15.10788	0.1649033	0.18007587	3.1057443	21	2 11.4	19.9
467211 2016 EY_{145}	17.8	X	194.19112	121.31407	30.00876	5.89953	0.1567995	0.27231047	2.3573631	21	9 22.8	21.5
467212 2016 EM_{146}	17.3	X	95.03780	104.62738	157.89599	2.84513	0.1946261	0.26214425	2.4179231	21	11 9.2	21.0
467213 2016 EP_{151}	17.8	X	203.89514	148.73755	6.03300	1.54773	0.1252418	0.27814760	2.3242661	21	10 8.5	21.0
467214 2016 EF_{154}	15.8	X	14.33394	172.45232	347.75046	11.13865	0.0284572	0.18526430	3.0474849	21	2 19.2	19.9
467215 2016 EO_{154}	18.4	X	145.38827	92.39197	180.92987	8.22322	0.1880354	0.30076100	2.2062516	21	—	—
467216 2016 EY_{154}	16.3	X	61.47310	105.16073	356.62378	16.06237	0.0997734	0.17919523	3.1159113	21	2 19.3	20.4
467217 2016 ER_{158}	17.3	X	49.75515	204.42983	9.30712	9.04226	0.0793621	0.23198120	2.6232168	21	6 17.1	20.6
467218 2016 EQ_{159}	16.1	X	355.06884	170.34188	12.40085	16.16973	0.0692275	0.18300641	3.0724996	21	2 23.8	20.3
467219 2016 EL_{160}	15.9	X	287.91692	247.97114	8.56936	25.15496	0.2075896	0.17319444	3.1874748	21	2 17.0	21.1
467220 2016 EL_{161}	17.3	X	106.48990	285.62826	206.45227	11.47627	0.2263268	0.22941556	2.6427382	21	6 6.9	21.3
467221 2016 EH_{162}	17.7	X	64.30776	5.98640	212.49621	2.86602	0.0409988	0.23818431	2.5774720	21	7 10.4	21.0
467222 2016 EV_{162}	16.4	X	224.60719	138.95413	186.92607	7.77946	0.1090502	0.19067169	2.9895919	21	3 2.3	21.1
467223 2016 EJ_{163}	17.9	X	175.82522	120.10037	26.77553	6.31852	0.1778791	0.26796207	2.3827976	21	8 30.2	21.7
467224 2016 ES_{163}	16.8	X	64.67394	164.86083	274.20628	9.13553	0.1431654	0.18022512	3.1040294	21	1 24.2	20.7
467225 2016 EY_{163}	16.7	X	142.90138	165.28113	311.82326	10.20981	0.0770431	0.23516949	2.5994536	21	6 10.7	20.6
467226 2016 ED_{164}	16.1	X	271.51993	328.07838	289.15610	6.85379	0.1370844	0.17666276	3.1456185	21	1 27.1	20.8
467227 2016 EE_{164}	17.0	X	8.93314	16.81561	262.33808	5.78326	0.0603757	0.24275014	2.5450504	21	7 13.5	20.0
467228 2016 EO_{164}	16.7	X	246.13721	210.52526	178.52823	17.73887	0.1950032	0.24349163	2.5398810	21	6 2.9	21.0
467229 2016 EQ_{164}	16.4	X	308.12827	227.50938	355.76099	10.97814	0.0463758	0.18046947	3.1012269	21	2 11.8	20.8
467230 2016 ET_{164}	16.1	X	79.44939	236.07759	184.68188	9.47419	0.1950438	0.17667865	3.1454298	21	1 31.4	20.2
467231 2016 EY_{164}	18.0	X	143.00872	16.18746	204.45752	5.52942	0.0904547	0.27815592	2.3242197	21	10 31.0	21.3
467232 2016 EA_{165}	17.4	X	59.66229	340.57604	305.50391	5.14896	0.1040375	0.26558935	2.3969682	21	10 16.5	20.5
467233 2016 EC_{165}	17.4	X	134.66732	249.05470	299.25453	6.54261	0.1537554	0.26087096	2.4257846	21	9 7.5	21.2
467234 2016 EK_{165}	17.1	X	143.23715	94.07785	339.33118	12.55049	0.1987637	0.21634402	2.7481438	21	4 21.8	21.7
467235 2016 EO_{165}	17.4	X	287.18087	340.31677	13.06678	4.09536	0.0385147	0.24030104	2.5623136	21	6 25.8	20.6
467236 2016 EB_{166}	16.5	X	100.63377	257.10224	201.45149	6.22335	0.0433946	0.19831075	2.9123163	21	3 23.6	20.5
467237 2016 ED_{166}	17.7	X	195.30286	263.28974	208.25290	4.25263	0.0737811	0.25488372	2.4636253	21	8 2.3	21.3
467238 2016 EE_{166}	16.2	X	220.34647	156.51471	229.18816	4.84282	0.0770028	0.22155822	2.7048560	21	5 10.7	20.1
467239 2016 EH_{166}	16.0	X	286.42434	280.26980	333.45928	8.89027	0.1049666	0.17891650	3.1191466	21	2 12.6	20.6
467240 2016 EW_{169}	16.5	X	8.96897	329.16314	188.53302	14.99392	0.2057253	0.18061608	3.0995485	21	1 24.5	20.2
467241 2016 EB_{170}	17.4	X	106.73858	167.80882	1.49972	3.80300	0.1293910	0.23405342	2.6077106	21	7 14.7	21.2
467242 2016 EF_{170}	15.9	X	258.52706	113.32913	162.71915	5.42980	0.0831023	0.17422776	3.1748593	21	2 10.5	20.7
467243 2016 EQ_{170}	16.3	X	338.82113	329.23715	18.73270	11.06018	0.2206274	0.25341329	2.4731462	21	9 5.5	18.2
467244 2016 ET_{170}	18.0	X	155.26936	42.49739	167.22035	6.31341	0.1258174	0.27745559	2.3281291	21	10 30.9	21.5
467245 2016 EA_{171}	16.6	X	280.95194	151.56008	164.29874	4.01071	0.0888524	0.20877909	2.8141337	21	4 22.7	20.5
467246 2016 EZ_{171}	17.4	X	27.82899	273.44425	352.77019	1.31061	0.1721108	0.23492818	2.6012333	21	8 9.1	19.9
467247 2016 EK_{172}	16.6	X	225.41453	267.99950	117.05226	7.14520	0.0258752	0.21427905	2.7657712	21	5 21.9	20.5
467248 2016 EM_{172}	17.8	X	93.48501	76.18310	167.04766	7.36428	0.1663084	0.25627276	2.4547151	21	10 11.7	21.4
467249 2016 ER_{172}	16.8	X	30.49352	84.38627	50.37807	6.14382	0.2454109	0.18745704	3.0236734	21	2 11.9	19.6
467250 2016 ES_{172}	16.8	X	24.80141	23.77909	122.92948	5.39793	0.1810064	0.18668709	3.0319813	21	2 13.8	20.0
467251 2016 EV_{172}	15.9	X	336.69756	72.81225	142.18149	12.47654	0.0651898	0.18628533	3.0363392	21	3 5.4	20.0
467252 2016 EB_{173}	17.1	X	131.55106	168.81430	60.95681	7.05605	0.1251213	0.27947575	2.3168965	21	11 1.6	20.6
467253 2016 EE_{173}	15.6	X	178.75364	243.38986	99.96219	12.44967	0.0582607	0.17843149	3.1247963	21	2 9.9	20.3
467254 2016 EO_{173}	16.0	X	8.87470	55.01926	74.43830	10.98792	0.1850732	0.17838232	3.1253705	21	—	—
467255 2016 EV_{173}	15.7	X	25.07259	150.73166	345.55804	9.94928	0.0550614	0.17803087	3.1294823	21	2 5.4	19.8
467256 2016 ER_{175}	16.4	X	324.96671	72.13842	166.02332	1.82490	0.1426509	0.19184799	2.9773591	21	3 5.2	20.3
467257 2016 ET_{175}	17.2	X	37.52596	86.04537	158.30404	1.85997	0.1289635	0.23267911	2.6179687	21	7 18.4	20.0
467258 2016 EV_{175}	16.8	X	109.42189	58.45289	33.98913	2.45084	0.0424779	0.20054392	2.8906558	21	3 28.2	20.6
467259 2016 EA_{176}	17.4	X	98.84471	100.98958	1.12082	12.29060	0.2081633	0.20976709	2.8052903	21	4 15.2	21.4
467260 2016 EQ_{177}	17.6	X	92.08844	304.28372	329.90979	6.36152	0.1271363	0.27290682	2.3539277	21	11 13.2	21.0
467261 2016 EU_{178}	17.6	X	194.00110	157.86704	342.65065	6.88567	0.1351066	0.26823692	2.3811697	21	9 7.4	21.1
467262 2016 EG_{181}	17.4	X	136.24692	282.84670	323.38062	4.30074	0.1951587	0.27633407	2.3344241	21	11 24.8	21.2
467263 2016 EW_{181}	17.5	X	128.67675	308.41658	0.62633	7.52429	0.1710914	0.29971182	2.2113974	21	—	—
467264 2016 EX_{181}	17.2	X	87.55252	236.73517	353.25020	5.35330	0.0715334	0.24498392	2.5295562	21	9 3.3	20.4
467265 2016 EC_{182}	16.5	X	340.02878	306.62937	20.87023	31.86947	0.2360505	0.22994520	2.6386785	21	8 20.5	19.7
467266 2016 EO_{184}	16.8	X	272.91903	300.88614	64.88823	15.93966	0.1488071	0.23698244	2.5861791	21	6 5.1	20.2
467267 2016 ET_{184}	16.4	X	91.03977	13.71318	47.77971	9.28893	0.0789112	0.19096992	2.9864786	21	2 3.7	20.6
467268 2016 EQ_{185}	16.3	X	286.63236	121.88525	163.43134	8.45070	0.0345225	0.20330250	2.8644477	21	3 30.4	20.2
467269 2016 EO_{186}	16.4	X	267.85274	266.77227	16.94835	4.46443	0.1688513	0.18505291	3.0498053	21	2 21.3	21.2
467270 2016 EU_{186}	16.3	X	298.62403	256.98603	43.81122	4.23824	0.0833500	0.21650610	2.7467721	21	4 25.1	20.0
467271 2016 EA_{187}	16.0	X	56.35796	201.07370	248.81569	12.66744	0.0544986	0.18011787	3.1052615	21	1 16.2	20.3
467272 2016 EQ_{188}	17.2	X	116.82994	269.22678	201.31030	12.50334	0.2412505	0.22794737	2.6540738	21	5 23.4	21.4
467273 2016 EF_{189}	17.4	X	83.86643	308.73962	252.96865	6.97115	0.0543183	0.24501858	2.5293176	21	7 16.1	20.6
467274 2016 EK_{189}	17.0	X	64.13240	226.37135	288.11235	8.20045	0.1131438	0.21336850	2.7736342	21	4 20.4	20.6
467275 2016 EF_{190}	16.8	X	211.10734	105.19885	279.19186	7.46484	0.0966269	0.22427921	2.6829343	21	4 25.1	21.1
467276 2016 EJ_{190}	16.6	X	233.93981	77.03815	236.97832	9.06082	0.0752425	0.19319774	2.9634756	21	2 24.2	21.3
467277 2016 EZ_{190}	15.5	X	269.88446	319.12529	295.56870	10.24830	0.0385828	0.18099010	3.0952769	21	1 31.7	20.0
467278 2016 EF_{192}	17.3	X	130.65521	270.00548	194.90221	12.72011	0.2184828	0.23083529	2.6318911	21	5 27.3	21.6
467279 2016 EM_{192}	17.4	X	36.58188	47.99025	206.92991	12.79376	0.2270354	0.23771939	2.5808315	21	8 12.9	20.4
467280 2016 EQ_{192}	16.6	X	343.91329	29.21860	163.80601	2.10159	0.1046766	0.18386788	3.0628952	21	2 9.8	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467281 2016 ES_{192}	16.7	X	346.75982	340.27104	193.41042	17.22562	0.1590067	0.17623637	3.1506901	21	1 13.4	21.0
467282 2016 EG_{193}	15.8	X	320.71758	29.64232	199.80835	16.88862	0.1537941	0.17298897	3.1899983	21	2 14.1	20.4
467283 2016 EH_{193}	16.2	X	343.11551	58.65943	183.18954	4.84852	0.2690988	0.18761265	3.0220013	21	3 21.5	19.3
467284 2016 EP_{193}	17.0	X	218.17180	324.85650	153.67588	24.12698	0.1875736	0.27075936	2.3663577	21	8 30.8	20.6
467285 2016 EO_{194}	17.4	X	131.13055	111.25533	94.42868	3.13411	0.1257738	0.26561403	2.3968198	21	9 29.9	21.0
467286 2016 ER_{194}	17.9	X	209.31291	3.45619	133.91724	3.76698	0.0594306	0.27579581	2.3374604	21	9 29.9	20.9
467287 2016 ET_{194}	16.3	X	307.33044	163.04233	101.84626	3.28745	0.0173408	0.20316372	2.8657520	21	4 2.5	20.2
467288 2016 EY_{194}	16.3	X	88.92895	60.06676	24.65498	10.23248	0.0790803	0.18879639	3.0093561	21	3 2.9	20.4
467289 2016 EG_{195}	16.8	X	28.78155	101.44930	359.92563	6.97193	0.2550581	0.18451256	3.0557566	21	—	—
467290 2016 EK_{195}	17.1	X	257.31019	301.10745	116.91749	14.38636	0.1093692	0.26436291	2.4043759	21	8 4.0	20.1
467291 2016 EM_{196}	16.0	X	324.95354	131.34350	95.38613	6.06081	0.1205304	0.18636238	3.0355022	21	2 25.4	20.0
467292 2016 EN_{196}	17.0	X	145.43452	125.53333	53.00974	6.89922	0.0704426	0.25985016	2.4321334	21	9 8.9	20.5
467293 2016 EP_{196}	16.2	X	21.08451	231.47963	24.01219	26.15016	0.0806190	0.23190463	2.6237942	21	7 1.7	20.0
467294 2016 EW_{196}	16.0	X	324.81991	129.33433	98.48163	18.38351	0.2274446	0.18099668	3.0952019	21	2 13.2	20.3
467295 2016 EC_{198}	17.4	X	95.34091	243.02140	313.62986	4.28819	0.0646090	0.24689448	2.5164896	21	7 28.2	20.6
467296 2016 ED_{198}	18.1	X	117.34599	355.28581	284.60302	2.85355	0.1462336	0.29441201	2.2378572	21	12 22.5	21.2
467297 2016 EE_{198}	15.8	X	234.05672	328.34886	312.75911	4.20659	0.1152510	0.17175902	3.2052089	21	1 22.3	20.8
467298 2016 EJ_{198}	16.8	X	123.59879	111.52584	344.51457	4.46538	0.0811871	0.21455747	2.7633779	21	4 20.9	20.7
467299 2016 EY_{198}	17.4	X	131.30685	31.16192	92.72486	3.58492	0.0868010	0.23083663	2.6318809	21	6 7.4	21.0
467300 2016 EZ_{198}	17.8	X	137.03491	132.88119	52.56046	3.62750	0.1623424	0.26013246	2.4303735	21	9 11.1	21.6
467301 2016 EO_{199}	16.9	X	234.50098	219.06629	142.66646	7.62726	0.0449829	0.21753349	2.7381168	21	5 1.8	20.9
467302 2016 EP_{199}	17.3	X	2.03641	180.58744	50.43408	5.07648	0.0678599	0.21249491	2.7812308	21	4 27.5	20.5
467303 2016 EZ_{199}	16.8	X	38.93414	78.22623	180.66446	16.53757	0.1178551	0.23939178	2.5687976	21	8 6.8	20.0
467304 2016 EB_{200}	16.4	X	336.54326	115.46242	116.74439	7.28547	0.1542570	0.18603782	3.0390316	21	3 17.4	20.2
467305 2016 EM_{200}	17.4	X	131.00655	197.69853	47.21275	5.24589	0.1872131	0.26652781	2.3913384	21	11 18.3	21.3
467306 2016 FJ_{1}	16.8	X	166.27603	105.06350	301.45199	5.34828	0.0453967	0.20895910	2.8125172	21	4 3.8	21.0
467307 2016 FX_{1}	17.5	X	236.83839	68.21218	24.55229	7.16573	0.1969918	0.27636636	2.3342422	21	8 18.3	20.9
467308 2016 FF_{2}	18.0	X	140.55523	206.00077	358.17542	5.96873	0.1654127	0.26992245	2.3712465	21	10 6.4	21.7
467309 1996 AW_{1}	19.9	X	188.00758	229.39935	117.52345	4.76508	0.5184666	0.51814723	1.5352081	21	2 9.4	22.0
467310 1996 RX_{17}	17.9	X	107.53722	140.00275	159.63043	4.59914	0.1368887	0.28610804	2.2809513	21	—	—
467311 1998 TR_{36}	17.7	X	288.89789	110.74836	291.09699	0.40400	0.1707945	0.25262273	2.4783032	21	8 15.3	20.3
467312 1998 WF_{38}	18.3	X	325.05595	36.18003	56.26252	6.02949	0.0941800	0.30485825	2.1864393	21	—	—
467313 1999 AS_{34}	18.6	X	252.37696	194.54721	315.15501	2.56438	0.0646600	0.29738559	2.2229145	21	12 16.4	20.9
467314 1999 CY_{129}	16.7	X	5.85834	176.35272	6.13457	2.58185	0.2303257	0.18086379	3.0967178	21	2 22.5	19.8
467315 1999 TZ_{244}	16.9	X	304.72043	178.06482	177.28561	7.47332	0.2569610	0.21882062	2.7273689	21	6 19.2	20.3
467316 1999 UX_{21}	18.3	X	88.66285	282.79743	40.00385	3.07140	0.2274060	0.27790326	2.3256282	21	—	—
467317 2000 QW_{7}	19.5	X	239.18799	190.94820	158.56911	4.15295	0.4690810	0.36237864	1.9484727	21	3 18.9	23.2
467318 2000 SC_{29}	15.9	X	339.20897	9.26039	301.75345	11.87048	0.2477993	0.18457941	3.0550187	21	6 25.9	18.9
467319 2000 UZ_{112}	16.4	X	346.15990	301.89557	59.25509	31.48192	0.2875494	0.23318673	2.6141680	21	10 29.5	18.7
467320 2001 HV_{38}	16.7	X	41.40148	355.77460	207.98137	3.12628	0.1902803	0.19980724	2.8977566	21	6 5.8	19.7
467321 2001 PW_{7}	15.9	X	240.65063	342.26086	6.78431	11.12139	0.3080331	0.18459313	3.0548673	21	4 3.0	21.4
467322 2001 PZ_{16}	17.7	X	184.53515	87.55707	262.96324	17.87937	0.1164945	0.37455387	1.9060159	21	1 19.4	20.1
467323 2001 RW_{153}	16.5	X	236.32614	200.45682	181.68226	33.72422	0.2027667	0.23428373	2.6060013	21	5 15.6	21.3
467324 2001 SO_{306}	17.6	X	95.28585	111.40805	193.98312	1.95030	0.2144128	0.25680730	2.4513076	21	12 30.9	21.7
467325 2001 TQ_{252}	18.0	X	17.30273	141.72187	174.27753	8.52566	0.0989059	0.24492281	2.5299769	21	9 24.3	20.6
467326 2001 UQ_{58}	16.3	X	157.27725	104.02788	27.26625	26.63512	0.1092818	0.23466873	2.6031502	21	7 27.2	20.9
467327 2001 UP_{81}	18.0	X	93.97435	6.88155	40.99610	21.89550	0.0897186	0.36454067	1.9407610	21	—	—
467328 2001 US_{106}	17.6	X	308.85271	335.45040	46.13883	8.54469	0.1976863	0.24148057	2.5539629	21	8 20.3	20.3
467329 2001 UT_{111}	16.3	X	266.65579	314.58812	15.26969	6.70348	0.2844844	0.18314168	3.0709866	21	4 3.2	21.4
467330 2001 UR_{177}	17.4	X	299.88694	201.30030	223.35983	25.64279	0.1906160	0.29383780	2.2407717	21	10 10.1	19.6
467331 2001 XR_{134}	16.8	X	127.42914	208.46185	258.06692	12.86533	0.2129463	0.22224778	2.6992582	21	5 24.5	21.1
467332 2001 YG_{81}	15.6	X	226.46471	268.94946	105.52990	26.60919	0.3437325	0.17597885	3.1537631	21	5 4.3	21.8
467333 2002 CR_{280}	17.6	X	211.53216	297.02855	128.25385	3.54162	0.1777487	0.22644550	2.6657960	21	6 16.1	21.8
467334 2002 EY_{46}	17.5	X	269.11428	159.41763	345.90238	6.92193	0.0969319	0.29281354	2.2459941	21	12 31.9	19.9
467335 2002 JA_{9}	19.0	X	260.06024	230.62290	93.53260	10.48969	0.4831759	0.35234800	1.9852788	21	3 3.2	23.1
467336 2002 LT_{38}	20.5	X	38.36500	162.77004	259.39616	6.19552	0.3137069	1.26864021	0.8451045	21	—	—
467337 2002 PJ_{76}	17.8	X	68.15138	255.34550	80.72767	5.81089	0.2555931	0.27185141	2.3600162	21	—	—
467338 2002 PF_{193}	18.5	X	119.69539	173.44725	103.63111	2.47285	0.1739392	0.27308873	2.3528823	21	12 18.5	22.2
467339 2002 QZ_{107}	18.6	X	110.86046	140.18362	150.33767	2.74041	0.2028639	0.27381124	2.3487414	21	12 28.1	22.4
467340 2002 SX_{26}	15.1	X	151.33410	339.03076	4.38437	5.75330	0.2758703	0.12532815	3.9546096	21	2 4.9	21.7
467341 2002 TN_{34}	15.0	X	146.28678	1.78047	343.78123	2.16811	0.2512420	0.12365022	3.9903053	21	2 1.0	21.4
467342 2002 TK_{348}	16.7	X	58.15150	39.06190	65.44144	17.08586	0.2099597	0.17439762	3.1727974	21	3 8.4	20.8
467343 2002 TT_{364}	16.6	X	252.96854	300.67503	42.34637	11.36644	0.1234679	0.19138837	2.9821239	21	4 21.9	21.1
467344 2002 US_{43}	15.5	X	169.17519	112.20920	216.36790	6.29369	0.3113007	0.12413690	3.9798691	21	1 29.9	22.4
467345 2002 WD_{27}	17.7	X	12.22472	115.42132	244.60962	3.83882	0.2579882	0.26114618	2.4240799	21	12 15.4	20.1
467346 2003 CB_{5}	15.6	X	117.96866	238.85255	325.14320	11.16224	0.2078184	0.24090980	2.5579953	21	9 13.2	19.8
467347 2003 GR	20.6	X	13.96473	273.05784	21.12691	55.83057	0.3177787	0.60487576	1.3847093	21	10 22.4	22.0
467348 2003 GY_{43}	16.6	X	59.16177	159.56614	77.29570	13.51481	0.2282105	0.22756209	2.6570687	21	9 4.1	20.4
467349 2003 HR_{52}	16.7	X	47.75011	177.78976	47.09240	11.47700	0.1816926	0.22462189	2.6802049	21	7 18.4	20.0
467350 2003 JD_{4}	17.3	X	64.42490	356.63177	218.82707	13.29321	0.1901001	0.22574501	2.6713079	21	7 26.1	21.0
467351 2003 KO_{2}	20.5	X	245.73100	204.02926	215.47389	23.49325	0.5107752	1.58798255	0.7276216	21	5 15.1	18.0
467352 2003 KZ_{18}	21.3	X	73.38567	154.61288	249.96779	23.89248	0.3306572	1.06619248	0.9489550	21	—	—
467353 2003 NN_{7}	16.6	X	35.18174	2.04888	274.17339	13.29855	0.3116837	0.22204302	2.7009174	21	9 20.4	20.0
467354 2003 NB_{13}	17.8	X	64.36080	219.46134	137.85391	5.24156	0.2022682	0.28881184	2.2666931	21	—	—
467355 2003 OF_{16}	16.0	X	286.76536	124.79582	240.35007	11.41284	0.2064176	0.21240462	2.7820189	21	6 14.8	19.9
467356 2003 QJ_{9}	17.0	X	319.65221	356.41670	314.88865	7.31826	0.2092227	0.21245352	2.7815920	21	5 18.8	20.3
467357 2003 QE_{115}	17.0	X	342.69141	303.53530	23.71181	11.30309	0.3011904	0.21589399	2.7519615	21	7 31.3	19.1
467358 2003 ST_{128}	17.9	X	132.29170	51.57305	246.12374	6.04505	0.2062633	0.28952594	2.2629644	21	—	—
467359 2003 SO_{181}	17.6	X	348.79128	31.47511	359.42247	3.72367	0.1706282	0.27815982	2.3241980	21	12 7.1	19.6
467360 2003 SJ_{184}	18.2	X	115.90536	307.78223	10.11294	3.98074	0.2770912	0.29073730	2.2566743	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467361 2003 SH_{187}	18.3	X	126.73420	286.01740	28.11524	0.87625	0.2355462	0.29179902	2.2511970	21	—	—
467362 2003 SB_{232}	17.9	X	41.68553	221.17398	150.28122	5.32807	0.2497610	0.28438363	2.2901626	21	—	—
467363 2003 UJ_{23}	17.3	X	320.87537	115.44842	224.20242	7.38395	0.3623610	0.21303797	2.7765024	21	6 5.8	20.1
467364 2003 UZ_{277}	17.4	X	69.40621	85.44844	244.91451	5.70439	0.1409524	0.28219021	2.3020147	21	—	—
467365 2003 WB_{26}	16.8	X	28.89222	286.45636	74.55344	23.33842	0.3246619	0.27645142	2.3337635	21	—	—
467366 2003 WA_{103}	16.4	X	265.41157	115.46385	253.03095	7.31793	0.2462496	0.20415975	2.8564238	21	5 20.8	20.8
467367 2003 YW_{42}	16.7	X	46.14935	29.15109	111.11119	17.37369	0.1692063	0.17920485	3.1157998	21	3 26.5	20.6
467368 2004 CD_{30}	16.1	X	149.73497	294.99873	130.72634	10.77838	0.0229908	0.18368543	3.0649231	21	4 16.5	20.6
467369 2004 DT_{63}	16.3	X	356.40055	40.03606	147.65008	28.10240	0.1495700	0.17396333	3.1780757	21	2 20.3	20.0
467370 2004 EZ_{18}	15.7	X	17.25452	52.15219	120.35698	18.35318	0.1996448	0.17357591	3.1828029	21	3 14.1	19.3
467371 2004 KU_{12}	16.7	X	341.59378	215.19999	90.52480	15.62316	0.2801027	0.23337621	2.6127528	21	6 16.7	18.4
467372 2004 LG	18.0	X	245.94805	164.70814	256.86330	71.11097	0.8967399	0.33224163	2.0645878	21	6 3.9	23.4
467373 2004 QX_{24}	15.6	X	254.67562	311.07270	60.45102	38.95204	0.2830519	0.21940030	2.7225628	21	5 15.3	20.3
467374 2004 QH_{28}	17.5	X	249.33227	173.53551	229.74352	7.67854	0.0708783	0.22451932	2.6810211	21	7 6.9	21.3
467375 2004 RA_{66}	17.3	X	324.21170	171.77852	184.24982	3.52805	0.3096324	0.22899316	2.6459870	21	7 18.3	19.4
467376 2004 RX_{79}	16.4	X	337.37932	232.82921	89.81659	17.93497	0.3467493	0.22777730	2.6553947	21	6 21.7	18.1
467377 2004 RQ_{83}	17.6	X	69.63196	3.97634	7.15349	7.05385	0.1327772	0.30489039	2.1862856	21	—	—
467378 2004 RP_{338}	18.1	X	55.43555	212.64155	180.79104	6.00055	0.1066084	0.30528953	2.1843796	21	—	—
467379 2004 SH	17.8	X	133.92315	181.65108	243.95990	20.12447	0.0911716	0.38401138	1.8745915	21	2 18.7	20.2
467380 2004 TW_{126}	16.9	X	353.43865	275.69009	57.35112	7.81290	0.1984640	0.22990543	2.6389829	21	9 14.1	19.3
467381 2004 TM_{137}	17.1	X	332.83196	298.37472	57.54328	5.61965	0.2951116	0.22870453	2.6482127	21	8 19.5	18.9
467382 2004 TA_{161}	17.9	X	65.60843	2.61652	25.32819	5.41601	0.2040569	0.30503003	2.1856183	21	—	—
467383 2004 TH_{177}	18.1	X	129.20682	147.42412	192.11189	5.47776	0.2013476	0.31123795	2.1564581	21	—	—
467384 2004 TO_{184}	17.2	X	347.48861	319.01427	349.31742	4.61417	0.1093029	0.22392090	2.6857957	21	7 20.7	20.2
467385 2004 TQ_{296}	17.0	X	255.79906	172.30349	211.99313	3.08446	0.1953889	0.21713904	2.7414318	21	6 5.7	21.1
467386 2004 TY_{343}	16.7	X	350.80994	144.17078	216.55392	11.87805	0.2840751	0.23076485	2.6324267	21	10 24.0	18.2
467387 2004 VK_{37}	17.1	X	342.96301	291.84138	49.44856	13.38767	0.2888255	0.22739819	2.6583452	21	9 3.4	19.2
467388 2004 XC_{11}	18.0	X	39.90489	236.91884	270.34206	18.01774	0.0902742	0.37162344	1.9160227	21	1 17.2	19.4
467389 2004 XX_{74}	16.4	X	291.45125	287.87364	72.57948	13.52462	0.2209905	0.21940771	2.7225015	21	6 12.1	20.0
467390 2004 XP_{131}	16.7	X	322.11327	310.15158	53.35102	13.15975	0.3319319	0.22532232	2.6746476	21	7 25.4	19.2
467391 2005 AE_{58}	17.1	X	299.75117	301.09821	112.18675	22.55327	0.2033048	0.28183173	2.3039663	21	10 3.2	19.8
467392 2005 CL_{30}	18.3	X	188.44446	211.51925	139.10603	25.27600	0.0921668	0.36693144	1.9323217	21	1 28.5	20.5
467393 2005 CA_{41}	18.1	X	205.37989	150.49592	31.74823	3.12814	0.1603992	0.28049448	2.3112832	21	11 11.5	21.5
467394 2005 EH_{89}	18.3	X	140.82913	47.55486	208.34454	3.63646	0.1767648	0.27602555	2.3361633	21	12 11.7	22.1
467395 2005 EQ_{138}	16.3	X	355.34498	70.83254	152.59434	20.22446	0.2868277	0.18451087	3.0557752	21	3 24.0	19.3
467396 2005 GJ_{19}	17.7	X	158.43260	186.14336	20.38413	7.49448	0.1573196	0.27041003	2.3683953	21	10 25.9	21.3
467397 2005 GD_{52}	17.0	X	312.63233	66.99199	195.01505	1.10468	0.1870076	0.17929727	3.1147290	21	3 13.5	21.2
467398 2005 GH_{66}	16.0	X	318.78540	124.29762	105.64210	18.13458	0.2154671	0.17855290	3.1233797	21	2 8.7	20.3
467399 2005 GR_{72}	16.3	X	6.17357	138.47856	28.94354	10.02805	0.0242498	0.17734632	3.1375303	21	2 21.5	20.7
467400 2005 GW_{124}	17.7	X	177.12363	78.39936	114.42682	2.12045	0.1370587	0.27159988	2.3614731	21	10 29.2	21.2
467401 2005 GH_{133}	16.9	X	341.23221	350.31430	190.04082	10.40241	0.1652017	0.17566552	3.1575122	21	1 13.8	21.1
467402 2005 GE_{205}	17.0	X	9.50030	308.54351	223.05944	9.31587	0.1632692	0.17858624	3.1229909	21	2 15.8	20.7
467403 2005 GZ_{222}	16.3	X	48.24579	119.86640	27.85380	12.84235	0.0665957	0.18141328	3.0904614	21	3 25.4	20.4
467404 2005 JY_{26}	16.1	X	293.01155	224.92191	75.85877	12.22773	0.1010732	0.18192721	3.0846385	21	4 23.1	20.5
467405 2005 JD_{34}	16.2	X	290.84982	176.21780	80.75827	17.46256	0.0476925	0.17432571	3.1736699	21	3 9.8	21.0
467406 2005 JC_{109}	16.7	X	104.58613	269.73731	53.21962	22.74188	0.2226082	0.27391395	2.3481542	21	—	—
467407 2005 JZ_{150}	16.3	X	339.73817	152.32253	79.03537	23.83720	0.1147605	0.17872460	3.1213789	21	4 8.0	20.8
467408 2005 JW_{165}	18.0	X	145.27775	196.59037	33.38363	3.62318	0.1746180	0.26886060	2.3774858	21	11 12.4	21.6
467409 2005 JW_{167}	16.3	X	0.29614	103.69608	103.43433	17.86105	0.1865986	0.17925163	3.1152577	21	3 29.9	20.1
467410 2005 KE_{11}	16.6	X	3.60095	84.07668	117.37753	21.84806	0.3258709	0.18040391	3.1019783	21	3 13.1	19.6
467411 2005 LB_{20}	17.0	X	75.86829	168.57607	117.08771	24.51807	0.2468614	0.26229548	2.4169937	21	11 30.9	21.2
467412 2005 MJ_{30}	17.7	X	89.33173	66.30180	236.43767	3.64218	0.2450726	0.26197923	2.4189384	21	12 25.5	21.6
467413 2005 NX_{15}	17.8	X	79.96468	225.41106	86.65450	2.38230	0.2050548	0.26208664	2.4182774	21	12 25.9	21.5
467414 2005 NL_{34}	17.7	X	46.70625	359.23128	314.16321	5.44210	0.1053872	0.25633571	2.4543131	21	11 4.2	20.8
467415 2005 SG_{120}	17.7	X	329.84542	171.94588	188.53169	15.09464	0.1426290	0.24387376	2.5372271	21	8 29.5	20.4
467416 2005 SQ_{174}	17.2	X	176.33764	231.11183	255.83153	5.13804	0.1281199	0.23543132	2.5975259	21	7 30.9	21.3
467417 2005 TG_{6}	16.8	X	246.84235	168.27573	230.57566	11.40628	0.1846456	0.23335265	2.6129287	21	6 15.4	20.8
467418 2005 UY_{118}	17.9	X	333.84909	130.50688	219.14250	4.98835	0.1086472	0.23952330	2.5678572	21	8 23.3	20.8
467419 2005 UQ_{121}	17.3	X	68.97930	34.49918	224.26285	6.76096	0.1084144	0.24004114	2.5641628	21	9 19.7	20.8
467420 2005 UC_{166}	17.4	X	62.96553	35.32380	227.63922	2.87955	0.1240974	0.24072374	2.5593132	21	9 21.1	20.8
467421 2005 UE_{176}	17.2	X	276.76092	337.13080	44.78857	9.94326	0.0973908	0.23266281	2.6180910	21	7 12.8	20.8
467422 2005 UL_{189}	17.4	X	308.05681	326.69255	37.97575	7.63585	0.1153320	0.23669210	2.5882936	21	8 4.3	20.5
467423 2005 UN_{200}	17.6	X	170.11766	46.09386	54.66687	6.05425	0.1254024	0.22595620	2.6696431	21	6 22.1	21.8
467424 2005 UV_{285}	17.3	X	294.34651	322.83540	52.06564	13.95922	0.0642628	0.23647777	2.5898573	21	8 7.0	20.9
467425 2005 VN_{61}	16.7	X	245.81072	321.13570	85.53876	14.82516	0.2404593	0.23007875	2.6376574	21	6 19.2	20.9
467426 2005 VA_{85}	17.9	X	217.97874	358.02259	64.60225	4.74968	0.1223737	0.22849649	2.6498199	21	6 21.9	22.0
467427 2005 VG_{91}	16.6	X	140.44729	213.98690	266.89396	10.55210	0.1160494	0.22172599	2.7034913	21	6 16.8	20.5
467428 2005 XG_{40}	17.2	X	147.53227	34.87684	88.68300	9.78327	0.0702208	0.22018821	2.7160641	21	6 24.6	21.2
467429 2005 XT_{58}	17.6	X	130.99066	221.54009	256.79973	6.93976	0.1819180	0.21857088	2.7294460	21	6 9.5	21.8
467430 2005 XT_{74}	16.5	X	357.25198	17.93688	291.19133	13.24701	0.0581418	0.22733858	2.6588099	21	8 4.2	19.7
467431 2005 YO_{50}	17.2	X	29.43527	352.86176	260.72248	3.83277	0.1136525	0.22019095	2.7160415	21	7 15.2	20.2
467432 2005 YL_{129}	17.5	X	1.78253	268.35118	90.94345	5.96282	0.2720670	0.24233002	2.5479911	21	11 22.7	19.6
467433 2005 YP_{130}	17.3	X	248.26821	270.54545	110.97414	13.23321	0.1870902	0.22291049	2.6939056	21	5 28.9	21.6
467434 2005 YD_{135}	17.1	X	146.24954	94.52903	5.24263	3.11151	0.1709923	0.21632497	2.7483051	21	5 30.5	21.5
467435 2005 YM_{166}	16.8	X	98.67419	64.68004	124.38599	14.20619	0.0595935	0.22119117	2.7078474	21	7 20.4	20.5
467436 2005 YJ_{187}	17.1	X	206.65301	341.61668	110.37563	12.09486	0.0455044	0.22446237	2.6814746	21	7 23.4	20.9
467437 2005 YA_{197}	17.6	X	147.59966	332.97836	104.24011	9.25528	0.2035472	0.21367417	2.7709883	21	5 9.8	22.2
467438 2005 YQ_{287}	16.6	X	133.73987	16.15449	88.37207	14.88653	0.1693409	0.21284377	2.7781909	21	5 27.1	21.0
467439 2006 AV_{17}	16.9	X	94.14433	228.96257	283.97298	7.99764	0.0882939	0.21324256	2.7747261	21	5 30.7	20.7
467440 2006 AV_{51}	17.3	X	286.35268	235.46336	128.26534	5.12011	0.0619697	0.22295844	2.6935194	21	7 5.1	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467441 2006 AV_{54}	17.5	X	193.11237	267.16546	159.67795	4.87300	0.0632063	0.21709085	2.7418375	21	6 3.7	21.6
467442 2006 AB_{62}	17.3	X	108.05673	262.82934	227.12788	3.09656	0.1661246	0.21180026	2.7873086	21	5 29.7	21.3
467443 2006 AE_{72}	16.4	X	223.50262	313.83302	125.33694	22.36718	0.0444867	0.22335905	2.6902977	21	7 26.9	20.0
467444 2006 BM_{6}	18.4	X	125.47429	13.63029	126.24825	30.35377	0.1569700	0.40666367	1.8043154	21	7 1.6	20.8
467445 2006 BQ_{36}	18.2	X	102.87557	279.92883	66.17567	2.14160	0.0926513	0.31252848	2.1505175	21	—	—
467446 2006 BT_{70}	16.6	X	33.35205	79.42947	98.04305	7.60939	0.0481726	0.20404858	2.8574611	21	4 7.4	20.4
467447 2006 BB_{78}	17.3	X	183.18078	301.17903	124.43296	5.72321	0.0695982	0.21402995	2.7679167	21	5 22.7	21.4
467448 2006 BF_{127}	16.9	X	86.03598	20.11496	156.31910	11.51550	0.0828535	0.21077464	2.7963432	21	6 20.9	20.9
467449 2006 BD_{130}	17.0	X	30.50205	74.69894	162.54025	2.87376	0.1201199	0.20936616	2.8088705	21	6 24.6	20.3
467450 2006 BD_{202}	16.8	X	58.01370	96.80281	103.76545	5.04449	0.0352226	0.21203628	2.7852398	21	6 7.1	20.4
467451 2006 CK_{14}	16.9	X	143.19749	330.84500	142.39771	8.69707	0.1756528	0.21425098	2.7660127	21	6 15.3	21.4
467452 2006 DK_{92}	18.3	X	197.05811	196.80117	47.87199	0.25992	0.0798693	0.30287702	2.1959638	21	—	—
467453 2006 DY_{113}	18.0	X	175.81127	260.57747	1.02603	7.95014	0.2154885	0.30033611	2.2083319	21	—	—
467454 2006 DW_{216}	17.4	X	205.05164	293.97517	126.57012	1.23193	0.0649551	0.21322131	2.7749104	21	6 8.6	21.4
467455 2006 FC_{41}	17.4	X	23.21438	181.43770	45.92888	3.31804	0.1531862	0.20119068	2.8844575	21	5 30.7	20.4
467456 2006 HC_{21}	18.8	X	202.26066	44.52277	167.97834	3.67641	0.1517591	0.29596000	2.2300471	21	12 21.4	21.9
467457 2006 HX_{83}	17.8	X	159.42172	149.31457	76.51060	7.84221	0.1197608	0.28816816	2.2700672	21	11 25.1	21.0
467458 2006 HB_{103}	18.6	X	160.69763	141.57550	130.84649	2.83603	0.1172293	0.29508351	2.2344609	21	—	—
467459 2006 JQ_{21}	17.9	X	181.42737	148.60290	113.42407	6.00282	0.1370172	0.29725336	2.2235737	21	—	—
467460 2006 JF_{42}	19.2	X	319.04057	17.80947	40.87579	5.95024	0.5816702	1.78981381	0.6718374	21	—	—
467461 2006 KB_{11}	15.4	X	103.37871	324.97549	64.00121	14.40927	0.0106365	0.17571853	3.1568771	21	1 1.4	20.0
467462 2006 KK_{13}	18.6	X	173.12284	115.56223	167.14168	8.78213	0.3134769	0.29681575	2.2257587	21	—	—
467463 2006 KB_{54}	18.5	X	127.27930	146.01258	143.34345	3.08441	0.1678598	0.29004173	2.2602808	21	—	—
467464 2006 KF_{60}	17.1	X	75.16134	23.92489	127.14823	7.57345	0.1737310	0.19624649	2.9327032	21	5 19.5	21.0
467465 2006 KR_{76}	17.9	X	187.23283	132.48951	94.93546	5.07545	0.1610284	0.29264048	2.2468795	21	12 22.7	20.8
467466 2006 KC_{92}	16.8	X	232.66395	288.72645	73.96241	12.85101	0.0733394	0.19446832	2.9505534	21	5 1.4	21.3
467467 2006 KG_{94}	16.8	X	279.21513	239.82174	88.00466	10.58650	0.2533384	0.19222712	2.9734430	21	4 19.4	21.5
467468 2006 PM_{16}	16.2	X	271.97722	318.40580	348.16062	14.27780	0.2599620	0.18046438	3.1012853	21	3 13.2	21.2
467469 2006 PP_{28}	16.9	X	110.52973	236.89147	99.05370	23.47847	0.2617791	0.28578343	2.2826782	21	—	—
467470 2006 QQ_{12}	17.3	X	39.57484	320.91427	54.81196	3.92684	0.2119896	0.27847730	2.3224312	21	—	—
467471 2006 QN_{113}	18.4	X	94.58829	284.62289	33.66414	4.99320	0.2854040	0.28103833	2.3083005	21	—	—
467472 2006 QQ_{117}	17.8	X	44.92313	348.90851	350.79142	2.44697	0.2074426	0.27330975	2.3516136	21	12 27.3	20.9
467473 2006 QY_{185}	17.5	X	31.40198	321.80033	16.71281	6.78601	0.1316112	0.26955584	2.3733961	21	11 24.3	20.3
467474 2006 RK_{5}	15.8	X	219.06581	158.52326	203.53894	15.35306	0.2853008	0.17544912	3.1601080	21	4 4.8	21.5
467475 2006 RG_{7}	18.8	X	244.12322	192.10378	180.97941	22.02498	0.3503119	0.38094511	1.8846373	21	4 24.9	22.2
467476 2006 RK_{30}	16.7	X	211.79588	131.50510	219.35449	8.22945	0.0832251	0.17468693	3.1692934	21	3 20.9	21.6
467477 2006 SJ_{28}	18.0	X	143.56187	297.18016	321.90627	8.77664	0.1891796	0.28223223	2.3017862	21	12 18.6	21.8
467478 2006 SU_{124}	18.5	X	97.35600	81.77829	228.60891	3.39065	0.2700580	0.27952715	2.3166124	21	—	—
467479 2006 SS_{135}	15.6	X	256.80907	42.38356	261.00003	16.18332	0.2028495	0.17577512	3.1561995	21	2 22.8	21.1
467480 2006 SJ_{150}	18.4	X	98.16244	102.41682	197.95380	1.65912	0.2014826	0.27501718	2.3418703	21	12 29.4	22.2
467481 2006 SD_{151}	16.2	X	310.21316	59.05563	201.56941	22.25701	0.2607716	0.17386821	3.1792348	21	2 22.5	21.1
467482 2006 SB_{186}	17.8	X	70.69564	268.34772	24.94831	5.28648	0.1234803	0.26525215	2.3989992	21	11 13.6	20.9
467483 2006 SE_{321}	17.8	X	255.90565	35.04570	48.19954	6.10447	0.1638138	0.25682636	2.4511863	21	8 31.3	21.1
467484 2006 SJ_{321}	17.7	X	135.01150	184.85584	101.53638	3.21094	0.2050954	0.27985182	2.3148204	21	—	—
467485 2006 SL_{325}	16.4	X	266.35599	294.17961	24.11168	16.47746	0.2156578	0.17552764	3.1591654	21	3 30.5	21.4
467486 2006 SS_{356}	17.2	X	134.03004	48.29177	37.19442	14.25317	0.2539379	0.23223344	2.6213170	21	5 6.5	21.4
467487 2006 SS_{366}	16.0	X	253.11465	111.09631	208.66365	15.10208	0.1984208	0.17531582	3.1617096	21	3 15.8	21.3
467488 2006 TR_{48}	18.3	X	80.86181	288.11826	39.03207	7.60459	0.2882485	0.27532320	2.3401346	21	—	—
467489 2006 TG_{86}	17.4	X	58.38246	335.76725	10.20071	5.88457	0.2552826	0.27319133	2.3522931	21	—	—
467490 2006 TY_{97}	16.2	X	269.24850	120.28600	222.83425	24.88559	0.3132577	0.17867755	3.1219269	21	4 17.2	21.4
467491 2006 UW_{63}	18.2	X	75.22315	137.02645	186.09416	2.64396	0.2189394	0.27375936	2.3490381	21	—	—
467492 2006 UR_{64}	18.5	X	95.69339	283.34731	36.10265	2.98491	0.2337039	0.27755990	2.3275458	21	—	—
467493 2006 UV_{82}	18.4	X	80.38481	332.53069	2.45877	5.33184	0.2338986	0.27610300	2.3357264	21	—	—
467494 2006 UF_{97}	17.7	X	344.41027	212.16305	159.40669	3.40825	0.0863965	0.26173426	2.4204475	21	10 21.1	20.2
467495 2006 UZ_{156}	17.8	X	321.81268	243.74200	150.50506	2.01393	0.1443916	0.26234661	2.4166796	21	10 11.7	20.0
467496 2006 VM_{63}	18.0	X	77.91568	280.05412	64.25458	0.37251	0.3514238	0.27633191	2.3344363	21	—	—
467497 2006 VW_{122}	17.7	X	199.35940	146.34755	318.32774	2.06726	0.1006996	0.24573729	2.5243835	21	7 28.8	21.3
467498 2006 WM_{103}	17.7	X	119.75470	82.93179	72.19483	4.66906	0.2034344	0.23668971	2.5883110	21	7 18.1	21.7
467499 2006 WR_{167}	17.9	X	41.44621	273.40591	68.07884	6.12408	0.1934205	0.26614778	2.3936142	21	12 21.9	21.1
467500 2006 WU_{199}	15.9	X	258.85592	275.33331	61.58772	23.04836	0.2565948	0.17430312	3.1739441	21	4 17.7	21.3
467501 2006 XH_{34}	16.6	X	166.66629	93.51720	51.83227	5.52391	0.1517910	0.24175413	2.5520359	21	8 18.4	20.7
467502 2007 BS_{15}	17.4	X	89.68563	130.86884	119.01669	11.72749	0.2471324	0.23978040	2.5660213	21	10 26.2	21.7
467503 2007 BO_{38}	17.5	X	178.03320	354.56739	128.89139	15.17303	0.2076678	0.23788538	2.5796308	21	7 29.1	21.8
467504 2007 BK_{43}	17.7	X	176.17910	75.54163	45.33071	0.23167	0.1466620	0.23709955	2.5853274	21	7 24.5	21.9
467505 2007 BM_{100}	17.7	X	198.55048	3.06487	102.98249	1.63689	0.1151404	0.23652736	2.5894953	21	7 28.8	21.5
467506 2007 CD_{4}	16.9	X	41.60283	138.33024	122.68794	18.06589	0.1909299	0.23118318	2.6292501	21	9 1.9	20.1
467507 2007 CT_{28}	17.4	X	248.29835	155.91600	273.69930	0.99289	0.1637190	0.24418876	2.5350446	21	7 30.3	21.0
467508 2007 CK_{49}	17.3	X	176.04149	161.09223	301.99786	9.31176	0.1219675	0.23295533	2.6158989	21	7 1.9	21.4
467509 2007 CW_{50}	16.6	X	202.21230	262.96539	153.49629	28.93689	0.3355175	0.23410693	2.6073132	21	5 30.3	22.1
467510 2007 DZ_{14}	17.0	X	209.78283	82.74509	339.15444	21.83062	0.0384103	0.23024090	2.6364188	21	6 17.8	21.2
467511 2007 DP_{51}	17.1	X	51.86838	276.65589	344.41530	13.57264	0.2853039	0.22735342	2.6586942	21	9 25.3	20.6
467512 2007 EN_{66}	16.4	X	79.98336	148.29323	10.28217	14.22081	0.0472693	0.21826084	2.7320302	21	5 8.1	20.2
467513 2007 ES_{150}	17.3	X	359.71007	153.80138	163.11769	14.94360	0.1171019	0.23171294	2.6252411	21	8 23.6	20.2
467514 2007 ET_{153}	17.9	X	149.60837	47.21259	74.96605	4.45371	0.1270919	0.22717320	2.6601001	21	6 28.9	21.9
467515 2007 EE_{159}	17.3	X	30.85994	82.55959	207.54504	3.56168	0.1676927	0.22898078	2.6460824	21	9 16.1	20.2
467516 2007 EM_{217}	17.7	X	53.20667	19.89931	199.72235	4.33252	0.0881669	0.22356102	2.6886772	21	7 2.4	21.1
467517 2007 FQ_{12}	17.1	X	83.32032	264.84354	282.88314	6.27947	0.1800559	0.22403466	2.6848864	21	7 16.4	20.6
467518 2007 GC_{2}	16.8	X	43.10519	161.00565	76.42144	12.05569	0.0428500	0.22550733	2.6731846	21	7 6.7	20.2
467519 2007 GK_{3}	16.9	X	79.17704	349.11502	200.75660	13.71921	0.0791069	0.22043860	2.7140069	21	6 27.1	20.8
467520 2007 GA_{10}	16.0	X	357.69103	260.33801	26.02950	15.26133	0.2318642	0.22148688	2.7054367	21	7 6.4	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467521 2007 GV_{17}	16.8	X	81.13260	353.67850	221.85327	14.27197	0.1174951	0.22367364	2.6877746	21	8 5.5	20.8
467522 2007 GL_{32}	17.2	X	342.55141	228.61241	77.04739	5.88254	0.0991901	0.22087907	2.7103976	21	7 7.4	20.2
467523 2007 GT_{61}	16.9	X	83.68007	13.70878	189.58468	14.52109	0.1649653	0.22391098	2.6858749	21	8 1.5	20.9
467524 2007 HY_{83}	16.3	X	266.29154	196.67527	140.13197	16.27568	0.1452556	0.20503721	2.8482685	21	4 29.8	20.8
467525 2007 HL_{97}	17.0	X	32.00682	200.99694	48.55535	14.63638	0.1997819	0.21868243	2.7285178	21	7 31.1	20.2
467526 2007 KB_{3}	16.6	X	82.29812	220.03768	56.49529	19.56862	0.2278317	0.23276394	2.6173326	21	11 14.0	20.6
467527 2007 LA_{15}	19.5	X	36.24084	177.02021	152.61367	8.71971	0.3811215	0.43430200	1.7269304	21	—	—
467528 2007 MN_{27}	16.4	X	212.02391	192.94781	191.69809	13.92476	0.1299252	0.18989169	2.9977730	21	5 2.0	21.2
467529 2007 PU_{30}	16.4	X	315.89823	83.97271	248.19215	6.19883	0.3518177	0.20513350	2.8473771	21	5 19.3	19.6
467530 2007 RZ_{9}	18.2	X	119.60643	91.50339	244.77958	3.88576	0.2054717	0.30799092	2.1715881	21	—	—
467531 2007 RX_{45}	16.5	X	342.22325	46.22330	200.96982	10.63757	0.0742561	0.19017941	2.9947487	21	4 20.9	20.3
467532 2007 RX_{83}	16.0	X	231.96829	343.06025	6.72940	17.31710	0.2365423	0.18823551	3.0153311	21	3 31.7	21.2
467533 2007 RH_{117}	16.5	X	190.31305	168.14080	202.01182	7.10671	0.1128443	0.18202783	3.0835017	21	3 23.1	21.4
467534 2007 RN_{163}	15.8	X	239.24236	93.32546	174.66499	26.33725	0.1078800	0.17701520	3.1414417	21	1 10.2	21.2
467535 2007 RY_{209}	16.8	X	189.77599	281.43797	96.85333	3.51255	0.0990536	0.18290247	3.0736636	21	4 3.8	21.6
467536 2007 RR_{213}	16.6	X	232.64084	8.71302	346.86749	3.62031	0.2094665	0.18978938	2.9988502	21	4 9.2	21.6
467537 2007 RM_{296}	16.0	X	167.35339	156.51224	236.44883	15.03857	0.0794364	0.17298313	3.1900700	21	3 23.3	21.1
467538 2007 RX_{298}	17.7	X	62.57746	237.25136	130.04889	4.86973	0.1867442	0.30026238	2.2086934	21	—	—
467539 2007 RS_{308}	16.7	X	76.52116	301.35059	196.15685	9.41294	0.0401755	0.18261077	3.0769359	21	4 13.5	20.9
467540 2007 RG_{318}	17.0	X	41.38355	112.12869	194.55236	15.13384	0.2910124	0.21755304	2.7379527	21	11 14.4	20.7
467541 2007 TF_{1}	17.9	X	7.45711	212.39710	196.45148	3.28885	0.1526832	0.29308457	2.2446092	21	—	—
467542 2007 TC_{25}	18.4	X	86.24634	324.83466	26.17749	5.11263	0.1670751	0.29840450	2.2178515	21	—	—
467543 2007 TK_{31}	16.2	X	211.82781	150.39874	214.37978	16.22537	0.2251551	0.18215812	3.0820312	21	4 2.7	21.6
467544 2007 TU_{32}	16.3	X	198.32743	333.88771	43.56849	6.55197	0.2272418	0.18210480	3.0826328	21	4 10.4	21.6
467545 2007 TD_{41}	18.0	X	106.56160	130.36499	196.57251	3.39849	0.1992322	0.29865498	2.2166113	21	—	—
467546 2007 TJ_{51}	16.1	X	315.55387	245.27442	26.81895	11.20804	0.1773028	0.18695829	3.0290485	21	4 1.9	20.0
467547 2007 TZ_{51}	18.1	X	322.28264	205.10144	218.58115	2.83679	0.1403537	0.28496947	2.2870228	21	12 3.4	19.7
467548 2007 TE_{81}	17.6	X	163.48781	255.63506	24.20479	8.27399	0.1451665	0.30239204	2.1983110	21	—	—
467549 2007 TV_{88}	15.9	X	203.11070	284.42139	45.84575	14.19566	0.1930256	0.17521396	3.1629349	21	2 25.2	21.5
467550 2007 TY_{92}	18.2	X	64.75236	171.39437	188.47817	7.33214	0.2651179	0.29708777	2.2243999	21	—	—
467551 2007 TJ_{98}	16.1	X	275.75795	40.46518	197.91111	19.62347	0.1198635	0.17130551	3.2108634	21	1 9.9	21.3
467552 2007 TE_{104}	16.2	X	49.45061	94.70944	47.16651	16.73555	0.0402520	0.17229390	3.1985719	21	3 23.7	20.8
467553 2007 TF_{109}	16.4	X	33.73062	93.09796	206.45789	18.46686	0.3243460	0.21355828	2.7719908	21	10 29.4	19.7
467554 2007 TP_{119}	16.4	X	275.49640	66.26231	246.50980	3.45684	0.1172115	0.18246221	3.0786058	21	4 8.5	20.8
467555 2007 TQ_{129}	16.4	X	239.90355	302.92421	39.84232	10.97078	0.1942319	0.18356911	3.0662176	21	4 5.5	21.5
467556 2007 TG_{158}	18.1	X	145.48626	97.57360	231.04886	5.06305	0.2288039	0.30913036	2.1662485	21	—	—
467557 2007 TJ_{168}	17.7	X	44.75037	141.12228	240.64426	4.48659	0.1122753	0.29571906	2.2312582	21	—	—
467558 2007 TN_{191}	18.3	X	150.96254	112.10615	211.79221	3.64039	0.2145236	0.30939313	2.1650218	21	—	—
467559 2007 TL_{194}	16.2	X	265.53254	298.85602	28.48044	10.51925	0.1184231	0.18679680	3.0307941	21	4 16.1	20.5
467560 2007 TO_{196}	16.4	X	266.95628	133.43149	211.49399	9.90931	0.1722556	0.18952145	3.0016760	21	5 3.1	20.9
467561 2007 TV_{215}	15.8	X	197.59666	141.13528	238.75420	9.62824	0.1074278	0.17966196	3.1105125	21	4 9.5	20.8
467562 2007 TG_{216}	16.2	X	176.33729	357.97757	32.11467	9.51521	0.1026667	0.17708211	3.1406504	21	4 5.2	21.1
467563 2007 TT_{216}	16.0	X	230.19976	82.92205	225.85789	23.93873	0.2332376	0.17598509	3.1536885	21	2 5.9	21.9
467564 2007 TS_{230}	16.6	X	195.87804	319.81499	54.88043	8.55190	0.1978919	0.17979871	3.1089352	21	4 7.1	21.9
467565 2007 TL_{243}	17.8	X	93.89189	38.77201	315.33709	6.52294	0.1739563	0.30218689	2.1993059	21	—	—
467566 2007 TS_{268}	18.0	X	290.76898	37.76607	44.34698	2.41901	0.0731927	0.28354132	2.2946959	21	11 5.3	20.2
467567 2007 TV_{286}	16.0	X	161.28120	330.18308	71.10550	7.92564	0.1370950	0.17736392	3.1373228	21	4 7.5	21.0
467568 2007 TF_{292}	16.4	X	152.28188	199.15507	197.22999	8.16938	0.1765786	0.17633125	3.1495598	21	3 22.8	21.5
467569 2007 TN_{305}	17.7	X	359.26467	292.54957	113.34191	4.78622	0.1240070	0.28897014	2.2658652	21	—	—
467570 2007 TU_{332}	16.5	X	240.93101	98.74485	233.58669	9.50223	0.0859841	0.17987886	3.1080116	21	3 27.4	21.3
467571 2007 TD_{354}	16.1	X	155.04431	333.21175	72.75577	12.29486	0.1417036	0.17853030	3.1236433	21	4 9.6	21.2
467572 2007 TL_{386}	16.1	X	183.68946	166.51044	219.88077	15.51740	0.2113085	0.17897320	3.1184878	21	4 6.4	21.5
467573 2007 TQ_{431}	16.0	X	263.98535	243.86974	61.15293	11.85010	0.0443911	0.17466277	3.1695857	21	4 2.5	20.7
467574 2007 TU_{432}	18.0	X	81.70195	139.81774	203.62833	4.37847	0.2028286	0.29684626	2.2256062	21	—	—
467575 2007 TE_{435}	15.9	X	243.82872	260.88164	62.32970	10.39291	0.0667891	0.17736134	3.1373531	21	3 29.5	20.7
467576 2007 TY_{447}	17.3	X	115.12126	256.91656	64.34592	6.68461	0.1956403	0.29676825	2.2259963	21	—	—
467577 2007 UN_{2}	16.6	X	255.22571	45.08083	309.37551	2.92527	0.1757081	0.19333245	2.9620988	21	4 30.5	21.2
467578 2007 UV_{2}	17.6	X	316.12383	358.01680	63.50857	7.77482	0.1249491	0.28281801	2.2986067	21	11 16.9	19.5
467579 2007 US_{15}	16.4	X	258.43133	118.59601	189.62603	9.33242	0.0634790	0.18315476	3.0708403	21	3 21.6	20.9
467580 2007 UB_{33}	16.6	X	264.05666	174.56544	234.42714	24.49239	0.1924438	0.27181694	2.3602157	21	7 10.4	20.4
467581 2007 UN_{50}	17.2	X	319.44183	306.33593	62.58709	22.56842	0.0280820	0.34381157	2.0180057	21	10 2.9	19.8
467582 2007 UK_{74}	18.0	X	175.02835	53.10912	221.24053	5.90805	0.1946521	0.30252793	2.1976527	21	—	—
467583 2007 UW_{86}	18.2	X	100.77909	136.41244	211.27778	4.56301	0.1615150	0.29918531	2.2139911	21	—	—
467584 2007 UC_{88}	15.8	X	175.78916	151.85257	238.25440	14.97658	0.0804327	0.17511434	3.1641343	21	3 28.8	20.8
467585 2007 UO_{101}	18.2	X	103.65721	289.46585	52.41336	3.19093	0.2283742	0.29953821	2.2122518	21	—	—
467586 2007 UH_{110}	16.7	X	83.39258	35.32622	56.19391	2.04829	0.0715188	0.17067929	3.2187124	21	3 2.7	21.1
467587 2007 UW_{131}	16.5	X	11.04341	140.43443	40.75039	9.97471	0.0232076	0.17559431	3.1583657	21	3 16.8	20.9
467588 2007 UD_{141}	16.3	X	182.42344	353.62508	28.41281	10.82878	0.0910625	0.17528142	3.1621232	21	4 1.8	21.2
467589 2007 UT_{141}	17.8	X	267.07576	245.39488	215.19805	5.83521	0.0899567	0.27623563	2.3349787	21	10 21.1	20.5
467590 2007 VG_{5}	15.8	X	164.85406	142.93708	238.33164	9.95094	0.1292179	0.17556340	3.1587365	21	3 10.3	20.9
467591 2007 VA_{33}	16.0	X	98.91586	219.75791	237.29717	13.62338	0.0797386	0.17338340	3.1851584	21	3 24.3	20.7
467592 2007 VX_{122}	16.3	X	162.09727	358.38668	31.53159	17.43127	0.0800480	0.17749681	3.1357566	21	3 24.9	21.2
467593 2007 VK_{131}	16.5	X	237.47512	128.04094	224.74387	5.06114	0.1421538	0.18595708	3.0399113	21	4 14.9	21.4
467594 2007 VA_{136}	18.4	X	199.38905	130.87313	65.01518	6.18157	0.0711584	0.28626651	2.2801094	21	12 3.9	21.1
467595 2007 VW_{154}	16.1	X	134.82301	22.02117	27.91048	9.80726	0.0716005	0.17092744	3.2155963	21	3 16.4	20.9
467596 2007 VH_{214}	16.5	X	203.94749	148.33549	204.40202	8.65566	0.1115524	0.17498996	3.1656335	21	3 15.5	21.6
467597 2007 VA_{218}	16.0	X	220.01767	100.98491	238.18374	10.09686	0.0539231	0.17265509	3.1941094	21	3 15.0	21.0
467598 2007 VW_{235}	16.1	X	103.12619	60.54062	26.71430	10.64968	0.0441961	0.17305596	3.1891749	21	3 20.4	20.6
467599 2007 VD_{251}	16.0	X	204.21720	296.22284	72.04009	12.15157	0.1347390	0.17922352	3.1155834	21	4 9.7	21.1
467600 2007 VA_{253}	16.2	X	232.68068	200.73770	177.33697	8.34548	0.2569871	0.18726558	3.0257340	21	5 6.2	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467601 2007 VE_{257}	17.8	X	285.84164	333.69870	111.49144	6.47665	0.1582591	0.27887398	2.3202283	21	10 23.4	20.1
467602 2007 VF_{273}	17.6	X	46.64646	301.57994	60.45714	12.49320	0.1347077	0.29048426	2.2579846	21	—	—
467603 2007 VD_{284}	16.4	X	155.74051	314.69427	72.34394	7.06969	0.0397538	0.16913275	3.2383037	21	3 9.7	21.2
467604 2007 VG_{294}	18.2	X	252.86469	307.03111	197.53952	6.16718	0.0667874	0.28377297	2.2934470	21	12 6.9	20.8
467605 2007 VU_{298}	15.4	X	160.79054	296.07336	91.98455	27.24733	0.2922785	0.17442630	3.1724497	21	4 10.9	21.5
467606 2007 VK_{299}	17.8	X	276.43961	358.86729	90.96752	3.13000	0.1750681	0.27715878	2.3297910	21	10 8.7	20.2
467607 2007 VC_{315}	17.8	X	53.45673	299.76645	67.11578	7.15047	0.2356543	0.28786068	2.2716835	21	—	—
467608 2007 WT_{36}	18.5	X	51.59756	93.43908	55.87010	23.86559	0.0942647	0.38711783	1.8645496	21	3 8.4	20.7
467609 2008 AV_{28}	19.4	X	303.72694	5.94435	304.57042	15.29346	0.3366934	0.75966157	1.1895680	21	2 2.4	20.0
467610 2008 AU_{73}	18.1	X	206.89280	249.92048	240.06024	3.34737	0.1666438	0.26277896	2.4140281	21	9 2.7	22.0
467611 2008 AK_{87}	17.8	X	232.21540	268.03448	223.86393	2.09678	0.1057844	0.26691416	2.3890302	21	10 12.1	21.0
467612 2008 AA_{114}	18.3	X	193.03434	346.76464	163.12109	1.50952	0.1374834	0.26110426	2.4243393	21	9 18.3	21.9
467613 2008 AU_{116}	15.6	X	171.58507	220.81750	142.37100	10.87227	0.0362512	0.15430231	3.4426094	21	2 26.3	20.6
467614 2008 CS_{16}	18.1	X	195.53335	353.20359	151.38145	1.92609	0.1249630	0.25921017	2.4361350	21	9 14.8	21.5
467615 2008 CZ_{51}	18.1	X	227.60022	272.93237	184.40122	0.69399	0.1671270	0.26328040	2.4109620	21	8 13.6	21.8
467616 2008 CJ_{142}	17.8	X	162.80350	35.72758	159.15541	8.05393	0.0672509	0.26044245	2.4284446	21	10 19.5	21.2
467617 2008 CU_{162}	18.2	X	152.95091	248.98852	303.52077	1.44842	0.1535354	0.25921994	2.4360738	21	10 2.3	22.1
467618 2008 CG_{209}	17.8	X	242.33939	206.93850	266.74295	3.99245	0.1421183	0.26654764	2.3912197	21	9 23.1	20.9
467619 2008 CH_{211}	17.5	X	133.32774	122.72804	89.44613	6.11667	0.1339252	0.26082798	2.4260510	21	10 11.9	21.3
467620 2008 DL_{16}	17.5	X	143.95309	119.27891	95.86316	3.47362	0.1491362	0.25721096	2.4487422	21	10 24.3	21.3
467621 2008 DZ_{31}	17.3	X	246.30844	335.97841	138.32192	7.84805	0.0936746	0.26300504	2.4126445	21	10 11.8	20.5
467622 2008 EX_{39}	17.7	X	127.56484	39.82188	190.65693	11.92462	0.2207804	0.25498590	2.4629671	21	10 30.5	21.9
467623 2008 FW_{8}	17.7	X	147.55620	188.23532	10.92116	6.86412	0.0772776	0.25895657	2.4377253	21	10 5.0	21.0
467624 2008 GX_{42}	18.1	X	175.34916	317.25640	192.66562	2.36632	0.1128413	0.25215287	2.4813809	21	8 30.6	21.9
467625 2008 GR_{102}	17.7	X	61.79858	113.02017	95.76261	4.39133	0.1590012	0.23527908	2.5986463	21	7 12.5	20.8
467626 2008 GR_{136}	17.8	X	35.86171	88.09213	203.59803	11.34468	0.2737674	0.24100932	2.5572911	21	10 17.4	20.6
467627 2008 HV_{19}	17.2	X	26.94817	128.59653	194.33944	16.96439	0.2432066	0.24397181	2.5365472	21	11 12.9	20.3
467628 2008 KK_{42}	16.8	X	3.37057	228.84980	109.55920	20.52642	0.3298550	0.23897529	2.5717814	21	11 12.9	19.5
467629 2008 LA_{4}	16.6	X	96.37352	56.75378	82.83102	14.26601	0.1181502	0.23029527	2.6360039	21	5 22.4	20.2
467630 2008 LV_{4}	17.5	X	74.98502	128.25098	109.34166	5.34876	0.1802259	0.23519849	2.5992399	21	9 14.2	21.1
467631 2008 PY_{17}	16.6	X	0.01602	73.34079	260.98116	10.21282	0.3223877	0.22977481	2.6399828	21	10 6.5	18.6
467632 2008 QB_{28}	16.8	X	359.75188	188.35553	144.95423	15.07852	0.2935078	0.22932999	2.6433955	21	10 11.7	18.9
467633 2008 QQ_{34}	16.8	X	15.74312	258.79257	73.35345	16.04218	0.2765216	0.23292624	2.6161166	21	11 12.2	19.5
467634 2008 RD_{30}	17.1	X	310.67292	345.79833	336.31071	1.08862	0.2039174	0.21568809	2.7537126	21	5 21.7	20.4
467635 2008 RV_{54}	14.2	X	104.77590	39.52735	233.32023	6.30477	0.0099361	0.08458818	5.1396034	21	10 20.3	21.1
467636 2008 RZ_{71}	16.7	X	326.38669	8.78566	333.55085	9.89146	0.1871794	0.22415300	2.6839413	21	7 24.8	19.5
467637 2008 RE_{111}	17.2	X	330.73943	304.17389	9.26416	6.26382	0.0611708	0.21648804	2.7469248	21	7 2.3	20.7
467638 2008 RJ_{115}	17.5	X	346.62593	130.37410	181.59137	6.65600	0.1013818	0.22138325	2.7062809	21	7 21.9	20.7
467639 2008 RN_{125}	17.1	X	260.94118	163.31460	192.33738	4.22207	0.0827488	0.21097456	2.7945764	21	5 19.9	21.0
467640 2008 RQ_{128}	17.0	X	210.76002	146.14805	242.75318	7.85887	0.0919422	0.20346775	2.8628966	21	5 3.9	21.4
467641 2008 SY_{12}	16.9	X	280.68686	230.33675	87.61253	3.20279	0.0622433	0.20550014	2.8439894	21	4 29.1	20.7
467642 2008 SX_{16}	16.7	X	289.44922	144.84625	209.01972	6.43976	0.1838211	0.21463125	2.7627447	21	6 7.4	20.4
467643 2008 SN_{50}	17.1	X	337.90955	141.77437	184.27899	12.70292	0.1823120	0.22106408	2.7088852	21	7 19.7	20.1
467644 2008 SQ_{90}	13.7	X	16.89041	194.08694	203.04640	29.03876	0.0615400	0.08375827	5.1734978	21	12 2.0	20.6
467645 2008 SP_{186}	17.4	X	309.98144	31.61918	287.17087	3.31046	0.0544647	0.20935395	2.8089798	21	6 8.7	21.0
467646 2008 SY_{186}	17.0	X	305.37053	51.07288	282.80465	2.91340	0.1052419	0.21222490	2.7835893	21	6 15.2	20.3
467647 2008 SM_{192}	17.0	X	284.35480	194.05047	157.94645	5.43447	0.1418294	0.21029160	2.8006237	21	6 5.2	20.8
467648 2008 SC_{211}	16.5	X	80.86502	81.32568	222.72172	11.24635	0.1960209	0.23930063	2.5694499	21	12 12.7	20.5
467649 2008 SN_{211}	15.9	X	271.02552	276.96967	80.73501	20.93530	0.2104649	0.20973912	2.8055397	21	5 21.3	20.2
467650 2008 ST_{265}	16.2	X	270.15644	302.36302	64.65214	8.79331	0.2399675	0.21135051	2.7912614	21	5 24.5	20.5
467651 2008 SF_{289}	16.6	X	92.16562	240.83570	211.92697	11.50188	0.1261434	0.18729372	3.0254310	21	3 17.1	20.8
467652 2008 SK_{295}	16.3	X	290.38859	50.27510	261.52776	11.19130	0.2192474	0.20915726	2.8107405	21	4 4.7	20.7
467653 2008 TS_{82}	16.3	X	59.66788	251.85413	334.61488	10.61742	0.1510391	0.22219656	2.6996730	21	8 3.7	19.8
467654 2008 TB_{100}	17.2	X	242.34614	311.25240	58.46261	2.77618	0.0871405	0.20559520	2.8431126	21	5 15.2	21.5
467655 2008 TR_{116}	16.7	X	339.15256	90.98242	228.79878	16.22577	0.1992792	0.21863588	2.7289050	21	7 9.3	19.7
467656 2008 TB_{139}	17.3	X	30.61816	72.08286	222.74744	10.97060	0.3032330	0.22628658	2.6670440	21	10 14.5	20.2
467657 2008 TB_{150}	17.3	X	306.46524	166.53613	163.70128	4.52821	0.1052935	0.21325696	2.7746012	21	6 12.2	20.9
467658 2008 TE_{151}	16.7	X	16.38846	212.21747	37.46457	6.87507	0.0169114	0.20967937	2.8060727	21	6 12.2	20.5
467659 2008 TD_{163}	16.8	X	272.23059	278.12210	94.14475	8.72011	0.2398427	0.21242087	2.7818770	21	6 3.2	21.0
467660 2008 TQ_{166}	16.9	X	348.11871	212.90817	37.49038	12.56875	0.0075956	0.19901982	2.9053949	21	5 6.0	20.7
467661 2008 TZ_{167}	17.3	X	238.37738	199.40443	178.91423	1.84171	0.0856007	0.20471139	2.8512899	21	5 22.3	21.5
467662 2008 TW_{169}	17.5	X	290.34788	296.43629	57.48369	3.43538	0.1960723	0.21285253	2.7781147	21	6 6.2	21.0
467663 2008 UH_{62}	16.1	X	106.02169	20.69129	37.74958	22.99575	0.1099178	0.18098698	3.0953124	21	3 6.9	20.9
467664 2008 UK_{67}	16.2	X	95.68977	68.25955	34.65670	10.75993	0.1128444	0.18545686	3.0453750	21	4 6.7	20.4
467665 2008 UC_{90}	17.6	X	200.70689	141.48134	219.47351	30.55552	0.2264415	0.34930928	1.9967758	21	2 27.8	21.4
467666 2008 UZ_{95}	16.8	X	337.39636	303.72191	44.74185	13.78766	0.2813053	0.22359976	2.6883666	21	8 28.3	19.1
467667 2008 UY_{98}	16.8	X	358.49094	314.82238	5.59532	13.07903	0.2696128	0.22335279	2.6903480	21	9 9.5	18.7
467668 2008 UQ_{106}	16.9	X	317.94087	292.52785	25.09641	6.65959	0.0499953	0.21196983	2.7858219	21	6 18.9	20.6
467669 2008 UH_{116}	16.3	X	174.23153	30.56367	19.58773	9.58145	0.0843739	0.19372662	2.9580795	21	4 22.3	20.8
467670 2008 UJ_{120}	16.5	X	82.00753	212.45537	274.94666	9.07620	0.0335856	0.18926261	3.0044121	21	4 1.1	20.8
467671 2008 UV_{121}	16.8	X	311.14385	53.86785	278.94286	6.63574	0.2270787	0.21194699	2.7860220	21	6 2.8	20.2
467672 2008 UH_{128}	16.1	X	119.67849	19.33870	72.44942	9.48045	0.0567941	0.18663883	3.0325039	21	4 15.9	20.5
467673 2008 UV_{160}	16.6	X	222.99875	49.83455	275.87411	10.57015	0.0313988	0.19068318	2.9894717	21	2 27.6	21.1
467674 2008 UW_{172}	16.3	X	54.89533	270.98547	231.81557	14.53469	0.0942509	0.18535663	3.0464728	21	3 22.2	20.4
467675 2008 UG_{188}	16.5	X	64.23329	42.01960	73.54805	17.80389	0.2138528	0.17719148	3.1393579	21	4 2.8	20.6
467676 2008 UD_{192}	16.1	X	81.58865	238.37081	208.20351	15.98289	0.2151978	0.17886805	3.1197098	21	3 8.6	20.3
467677 2008 UZ_{206}	16.8	X	18.05689	33.72128	210.71583	4.54172	0.1089250	0.20995230	2.8036403	21	6 12.2	20.0
467678 2008 UR_{220}	16.7	X	333.77424	87.72368	229.42530	19.23784	0.1998166	0.21335991	2.7737086	21	6 24.5	19.9
467679 2008 US_{234}	16.7	X	102.16060	229.03702	224.47086	11.65955	0.1239329	0.18939960	3.0029632	21	3 30.1	21.0
467680 2008 UA_{240}	16.5	X	145.11389	60.62616	17.03983	9.93576	0.0918678	0.19155475	2.9803969	21	4 25.4	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467681 2008 UF_{240}	15.7	X	150.61611	129.51126	252.78492	14.79718	0.0635069	0.18309305	3.0715303	21	2 16.1	20.5
467682 2008 UB_{275}	16.7	X	334.67972	95.12344	229.92292	14.57324	0.3085073	0.21713900	2.7414321	21	6 23.7	19.2
467683 2008 UJ_{279}	16.6	X	69.49436	56.74772	41.17381	18.72990	0.0843989	0.18169056	3.0873164	21	3 1.2	21.0
467684 2008 UH_{290}	16.6	X	242.28096	291.75072	80.03900	12.09955	0.1097628	0.19935943	2.9020944	21	5 17.9	21.0
467685 2008 UG_{306}	16.3	X	10.91336	273.60415	248.78362	11.21093	0.0891275	0.18153419	3.0890890	21	2 8.6	20.4
467686 2008 UO_{311}	16.5	X	127.86131	66.94582	355.70675	9.11991	0.0893185	0.18467177	3.0540000	21	3 20.5	20.9
467687 2008 UO_{345}	16.8	X	77.87343	58.77953	43.02803	8.14344	0.1429280	0.17887390	3.1196418	21	3 19.2	20.9
467688 2008 UX_{356}	16.6	X	209.79977	319.89788	52.56179	15.32191	0.0472113	0.19084160	2.9878171	21	4 19.9	21.0
467689 2008 UU_{357}	16.7	X	140.96677	201.58472	215.64043	5.94559	0.0859132	0.18455786	3.0552565	21	3 27.3	21.2
467690 2008 VV_{27}	16.3	X	130.58111	189.45417	238.62108	8.71876	0.1760122	0.18717208	3.0267415	21	4 6.5	21.0
467691 2008 VA_{33}	16.9	X	314.70946	256.81555	73.41136	9.80809	0.1378231	0.20976218	2.8053341	21	6 19.6	20.2
467692 2008 VK_{42}	16.5	X	255.65235	270.65127	80.93485	8.60548	0.0253450	0.19875860	2.9079399	21	5 17.0	20.5
467693 2008 VW_{67}	16.5	X	333.81141	262.08824	73.71511	10.84843	0.3289626	0.21848127	2.7301923	21	7 8.0	18.5
467694 2008 VS_{74}	16.6	X	68.41012	32.40464	64.17149	14.14960	0.1036713	0.17817423	3.1278034	21	2 25.5	20.9
467695 2008 WT_{37}	16.5	X	88.06058	197.85280	240.81016	6.90660	0.1841809	0.17781686	3.1319928	21	3 3.6	20.8
467696 2008 WH_{41}	16.9	X	69.67071	24.77236	73.82533	6.18174	0.2207418	0.17636390	3.1491710	21	3 14.7	20.8
467697 2008 WW_{46}	16.8	X	205.10607	319.18008	64.93695	11.14363	0.1308882	0.19303965	2.9650934	21	4 25.9	21.6
467698 2008 WR_{53}	17.3	X	179.53979	259.44341	144.94960	3.05821	0.0305448	0.19500135	2.9451741	21	4 21.5	21.5
467699 2008 WL_{78}	16.3	X	190.09729	296.28063	85.87233	10.06648	0.1670586	0.19070150	2.9892803	21	4 11.9	21.4
467700 2008 WR_{93}	16.3	X	222.92783	343.14022	47.88565	11.34112	0.1240265	0.19838705	2.9115696	21	5 17.9	20.7
467701 2008 WY_{125}	16.1	X	119.58006	339.72172	101.25504	10.40379	0.0636006	0.17722193	3.1389982	21	4 5.8	20.8
467702 2008 WS_{129}	16.2	X	113.61776	20.48978	77.07055	7.45375	0.0782237	0.18571761	3.0425239	21	4 17.9	20.6
467703 2008 XE_{24}	16.6	X	126.99789	52.87598	38.30611	11.88214	0.0970804	0.18893187	3.0079173	21	4 25.1	21.1
467704 2008 XP_{48}	15.8	X	42.79287	40.07719	109.75188	27.90061	0.1632844	0.17262053	3.1945357	21	4 8.8	20.3
467705 2008 YQ_{48}	16.3	X	152.77379	280.64220	111.04757	9.71234	0.0880223	0.17387950	3.1790971	21	3 15.9	21.2
467706 2008 YH_{54}	17.8	X	285.76861	148.53463	342.81323	4.39735	0.0959932	0.30133615	2.2034434	21	—	—
467707 2008 YY_{100}	18.4	X	224.30961	100.63313	132.31215	3.79379	0.0761801	0.31086255	2.1581938	21	—	—
467708 2008 YV_{111}	16.6	X	198.76886	298.98531	84.73222	11.21947	0.0989410	0.19101844	2.9859728	21	4 21.7	21.4
467709 2008 YQ_{115}	15.5	X	70.75125	1.56058	106.27788	15.73354	0.1571411	0.17259179	3.1948904	21	3 23.3	19.9
467710 2009 AG_{1}	15.6	X	256.08389	208.14101	101.74753	11.68323	0.0350628	0.18098738	3.0953078	21	3 30.9	20.2
467711 2009 AH_{13}	16.5	X	10.17094	26.70944	132.84548	6.69869	0.0800606	0.16901953	3.2397496	21	2 12.3	20.7
467712 2009 AT_{30}	16.2	X	50.50575	46.73955	105.05815	10.49156	0.0496477	0.17807801	3.1289300	21	4 3.3	20.5
467713 2009 BJ_{21}	17.6	X	208.36281	358.70523	261.43496	3.55404	0.0681009	0.31344936	2.1463035	21	—	—
467714 2009 BZ_{27}	15.8	X	246.33146	336.96669	307.81727	17.42762	0.0825628	0.16798850	3.2529922	21	2 7.6	20.7
467715 2009 BJ_{34}	16.2	X	160.26198	290.20876	118.99935	11.42538	0.1081317	0.17810068	3.1286646	21	4 15.8	21.2
467716 2009 BA_{69}	16.4	X	121.68653	292.72055	142.20075	17.97921	0.1132250	0.17305611	3.1891731	21	4 7.5	21.4
467717 2009 BM_{70}	15.9	X	124.86467	299.87772	119.83916	27.05792	0.1828134	0.17456671	3.1707483	21	4 5.4	21.2
467718 2009 BD_{167}	18.6	X	172.47654	73.42653	141.02713	6.76566	0.1946237	0.28607807	2.2811106	21	11 20.8	22.3
467719 2009 CW_{48}	16.2	X	81.98553	0.50155	129.45297	12.90296	0.0430154	0.17815202	3.1280634	21	4 17.0	20.7
467720 2009 DW_{11}	17.7	X	253.78254	175.77431	348.34857	3.80115	0.1275555	0.29786423	2.2205326	21	12 30.3	20.0
467721 2009 DJ_{17}	17.3	X	177.39261	133.36619	162.51042	22.27195	0.1683536	0.30568524	2.1824940	21	—	—
467722 2009 DR_{117}	17.6	X	285.51416	150.97967	330.92103	6.16559	0.0857180	0.29511865	2.2342835	21	12 27.1	19.8
467723 2009 FN_{8}	18.5	X	259.90240	8.71916	154.58240	5.03210	0.0436481	0.29463825	2.2367115	21	—	—
467724 2009 FA_{63}	18.1	X	202.40291	334.49710	220.25848	3.87317	0.1269752	0.28438398	2.2901607	21	11 29.5	21.2
467725 2009 FY_{73}	18.0	X	146.08721	193.72207	92.16535	3.72559	0.1740835	0.28813372	2.2702481	21	—	—
467726 2009 HM_{23}	18.6	X	180.84317	228.20447	344.56433	0.70847	0.1765229	0.28412412	2.2915569	21	11 25.1	22.0
467727 2009 HZ_{65}	18.1	X	124.96575	149.26535	136.70458	5.68335	0.2274530	0.27904574	2.3192761	21	—	—
467728 2009 HF_{99}	17.5	X	339.76018	349.19268	57.75243	4.16589	0.1604146	0.28133753	2.3066637	21	12 13.6	19.2
467729 2009 HP_{105}	18.6	X	165.19519	63.41109	151.62847	5.68777	0.1835526	0.27792586	2.3255021	21	11 14.5	22.3
467730 2009 JY_{17}	17.4	X	138.79111	47.77370	232.01156	24.23746	0.1180726	0.28390773	2.2927212	21	—	—
467731 2009 MA_{5}	17.2	X	278.49929	97.83367	288.38040	13.16497	0.0218864	0.24662219	2.5183415	21	7 30.0	20.5
467732 2009 OK_{13}	17.6	X	55.96048	177.87889	146.20995	2.69288	0.1784399	0.26191195	2.4193526	21	12 13.9	20.8
467733 2009 PH_{11}	17.6	X	84.19939	142.35760	159.82646	7.15162	0.2166801	0.26486279	2.4013498	21	12 19.4	21.5
467734 2009 PQ_{13}	17.9	X	39.09125	56.02707	286.12503	3.81805	0.1855107	0.26073252	2.4266432	21	12 17.7	21.0
467735 2009 PV_{19}	17.0	X	209.12250	57.68957	340.19379	8.38783	0.2438310	0.22301568	2.6930585	21	5 5.7	21.9
467736 2009 RQ	17.6	X	72.02400	134.39194	186.19627	4.88114	0.2242926	0.26277579	2.4140475	21	12 30.4	21.4
467737 2009 RS_{14}	18.6	X	137.27476	232.57862	183.26878	21.39939	0.1067100	0.37541825	1.9030891	21	2 21.9	20.7
467738 2009 RS_{15}	17.3	X	322.88736	147.94205	189.82110	10.80902	0.0942802	0.23537570	2.5979351	21	7 18.1	20.5
467739 2009 RJ_{17}	17.7	X	23.49883	118.73478	173.71165	3.76083	0.1233146	0.24081255	2.5586839	21	9 2.2	20.6
467740 2009 RH_{24}	17.5	X	317.66553	349.24506	0.50601	13.23734	0.1113033	0.24075267	2.5591082	21	8 1.9	20.6
467741 2009 ST_{21}	17.5	X	73.93464	90.67778	234.57010	10.07509	0.2804871	0.26206863	2.4183882	21	—	—
467742 2009 SS_{28}	17.5	X	296.27274	357.23588	8.45122	10.73884	0.1198478	0.23529538	2.5985263	21	7 16.5	20.9
467743 2009 SB_{57}	13.9	X	60.17763	57.01493	261.10176	7.39754	0.0873204	0.08464012	5.1375004	21	10 29.9	20.7
467744 2009 SS_{64}	17.6	X	306.30644	200.42751	166.46101	1.55954	0.0608800	0.24085543	2.5583802	21	8 8.7	20.6
467745 2009 SM_{94}	17.8	X	234.26517	210.07009	213.48808	1.99181	0.0712149	0.23627755	2.5913202	21	7 16.2	21.3
467746 2009 SB_{143}	13.6	X	5.47397	164.00585	200.97831	20.76853	0.0523406	0.08204326	5.2453455	21	10 13.6	20.1
467747 2009 SK_{156}	18.5	X	66.23276	163.22070	155.74179	2.32477	0.2181026	0.25826106	2.4420999	21	12 22.1	22.0
467748 2009 SK_{186}	14.1	X	333.49161	358.52739	48.41086	9.48832	0.0775892	0.08148463	5.2692919	21	10 21.4	20.7
467749 2009 SC_{189}	16.9	X	6.24218	324.95049	357.83637	15.12704	0.1465348	0.24295471	2.5436216	21	9 19.2	19.4
467750 2009 SL_{199}	14.0	X	353.79408	155.02028	228.17961	7.69470	0.0786797	0.08365102	5.1779187	21	10 18.8	20.5
467751 2009 SX_{296}	17.6	X	314.25164	186.78370	186.82497	13.52071	0.1850558	0.24324884	2.5415707	21	8 12.4	20.5
467752 2009 SP_{340}	14.0	X	330.44050	203.18851	208.42566	10.73585	0.0443870	0.08211928	5.2421080	21	10 22.7	20.8
467753 2009 SU_{344}	17.3	X	342.00413	315.60952	23.38098	14.21655	0.1325277	0.23986826	2.5653947	21	9 1.7	20.1
467754 2009 TL_{14}	16.8	X	245.89863	209.56064	211.57770	32.89784	0.2439392	0.22942567	2.6426605	21	6 30.7	21.7
467755 2009 US_{18}	16.1	X	146.88982	223.38169	235.60454	11.44800	0.1795410	0.21357871	2.7718139	21	5 31.5	20.5
467756 2009 UA_{64}	17.4	X	249.55100	1.00102	51.52912	10.01937	0.1125593	0.23155190	2.6264582	21	7 17.0	21.2
467757 2009 UJ_{68}	17.1	X	227.96559	19.03882	45.90358	15.85568	0.1146884	0.22859902	2.6490275	21	7 7.2	21.3
467758 2009 UH_{99}	16.4	X	33.03474	208.94251	50.87662	15.78367	0.0613756	0.22758263	2.6569087	21	7 29.7	20.0
467759 2009 UJ_{135}	16.4	X	256.45196	280.85408	48.60827	12.58348	0.1025228	0.21521048	2.7577852	21	4 11.5	20.5
467760 2009 UM_{139}	17.7	X	71.00831	313.02263	88.78932	15.67781	0.2378426	0.35494955	1.9755664	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467761 2009 UL_{146}	17.2	X	309.74450	312.80717	41.25935	9.46557	0.1232791	0.23207027	2.6225456	21	7 20.4	20.4
467762 2009 UY_{149}	16.8	X	46.04204	47.22807	229.06614	11.46510	0.1564774	0.23615530	2.5922144	21	9 16.6	20.2
467763 2009 UV_{150}	16.7	X	35.77779	107.08662	53.12168	12.59528	0.0585905	0.20269443	2.8701736	21	3 22.6	20.5
467764 2009 VF_{5}	17.1	X	121.81736	222.22145	254.63297	4.10454	0.1277699	0.21070217	2.7969844	21	5 23.3	21.2
467765 2009 VU_{6}	17.5	X	129.64767	235.58502	241.93337	3.90369	0.1206658	0.21415719	2.7668202	21	6 1.3	21.6
467766 2009 VV_{14}	17.1	X	310.11584	330.07042	30.60456	8.13663	0.2062659	0.23488993	2.6015157	21	7 17.2	20.0
467767 2009 VC_{26}	18.2	X	184.13413	164.54070	227.04988	19.30739	0.0759994	0.37923857	1.8902869	21	3 13.8	20.8
467768 2009 VK_{26}	17.8	X	329.67360	304.79372	54.94948	8.20886	0.2026804	0.24114136	2.5563574	21	8 31.5	20.1
467769 2009 VR_{40}	17.7	X	285.31259	82.95105	244.96327	15.72460	0.1066347	0.38870055	1.8594847	21	4 20.4	19.7
467770 2009 VL_{47}	16.6	X	32.32507	43.60894	216.25163	8.87029	0.0984389	0.22571065	2.6715789	21	7 25.1	19.9
467771 2009 VS_{65}	17.3	X	342.98589	331.02449	26.95714	5.00495	0.2185530	0.24019348	2.5630785	21	9 27.3	19.1
467772 2009 VX_{78}	15.8	X	129.28735	211.40448	255.45950	24.47932	0.1272185	0.21100167	2.7943370	21	5 18.7	20.1
467773 2009 VC_{82}	16.9	X	349.31306	208.69414	56.41567	6.96962	0.0489867	0.21550941	2.7552344	21	5 24.5	20.4
467774 2009 VL_{103}	15.9	X	56.13133	198.53105	278.23022	15.10009	0.2923547	0.18532876	3.0467782	21	3 11.3	19.4
467775 2009 VW_{107}	16.9	X	221.41853	16.29930	53.98578	5.05269	0.0771737	0.22610433	2.6684770	21	7 10.0	20.8
467776 2009 VF_{113}	17.1	X	244.53653	316.87179	68.53646	9.91435	0.1560946	0.22113835	2.7082786	21	5 30.1	21.2
467777 2009 WM_{24}	14.0	X	28.83506	305.21290	60.72336	23.02339	0.1239330	0.08300127	5.2049059	21	11 19.7	20.5
467778 2009 WZ_{33}	16.2	X	354.84125	231.39923	80.61588	11.37900	0.1436087	0.22857499	2.6492132	21	8 12.2	19.1
467779 2009 WT_{48}	13.2	X	70.68685	93.22764	238.30133	16.93194	0.0145233	0.08489888	5.1270564	21	11 17.8	20.0
467780 2009 WV_{65}	16.7	X	96.52844	95.38273	57.03230	13.76262	0.1494266	0.21211676	2.7845353	21	6 10.5	20.7
467781 2009 WT_{114}	17.4	X	249.23848	179.43346	220.57331	4.88908	0.0700288	0.22823089	2.6518753	21	7 3.1	21.2
467782 2009 WC_{135}	17.2	X	349.53487	303.25870	26.88181	10.50969	0.2094046	0.23709359	2.5853708	21	9 2.0	19.5
467783 2009 WU_{149}	14.0	X	30.18319	244.62916	118.61249	7.40588	0.1441470	0.08219737	5.2387875	21	11 21.5	20.5
467784 2009 WY_{161}	17.0	X	337.22397	70.39176	293.46192	2.68240	0.2447881	0.23938666	2.5688342	21	9 17.3	18.7
467785 2009 WZ_{187}	17.6	X	6.64448	4.65588	302.89918	1.85245	0.1366478	0.23410374	2.6073369	21	8 24.9	20.1
467786 2009 WQ_{193}	17.3	X	127.80678	71.85314	47.89601	4.31535	0.1297925	0.21197883	2.7857430	21	6 2.7	21.5
467787 2009 WW_{193}	16.6	X	104.41192	183.51386	251.02222	10.89640	0.0355639	0.19536566	2.9415115	21	2 21.2	20.9
467788 2009 WY_{200}	16.8	X	155.75564	23.98385	80.59434	13.88554	0.1199762	0.21313443	2.7756645	21	6 12.4	21.1
467789 2009 WX_{252}	17.2	X	218.72727	342.31692	75.30050	7.94605	0.0639637	0.21894748	2.7263153	21	6 20.4	21.1
467790 2009 WN_{262}	17.7	X	12.28684	319.59269	230.63253	19.06613	0.0305766	0.37098183	1.9182312	21	2 8.3	20.1
467791 2009 WG_{263}	17.0	X	189.83457	198.24086	233.52660	6.50612	0.1567180	0.21417049	2.7667057	21	6 5.2	21.4
467792 2009 WV_{263}	16.1	X	273.37789	163.36544	91.43421	10.80719	0.0455288	0.18584363	3.0411483	21	2 6.8	20.5
467793 2009 XU	16.8	X	313.32312	171.41110	150.98059	6.00690	0.0813985	0.22074627	2.7114846	21	6 15.1	20.2
467794 2009 XE_{1}	17.9	X	82.07848	16.50300	68.06684	6.42464	0.2061145	0.27537982	2.3398138	21	2 20.8	20.1
467795 2009 YG_{7}	17.0	X	209.55208	319.43986	84.69439	7.11190	0.0937964	0.21165511	2.7885828	21	5 23.2	21.3
467796 2009 YX_{16}	17.0	X	328.42961	281.35876	79.77453	9.62444	0.2502827	0.23572473	2.5953700	21	8 24.3	19.2
467797 2009 YA_{19}	16.1	X	348.69760	298.06870	257.02897	6.86581	0.1380979	0.18421449	3.0590520	21	2 12.9	20.0
467798 2010 AW_{4}	17.5	X	345.67143	277.36854	85.91298	5.03090	0.3339986	0.24116422	2.5561959	21	10 24.8	18.6
467799 2010 AD_{71}	17.6	X	346.36409	83.54355	118.32083	23.56203	0.0686410	0.35884746	1.9612342	21	1 21.7	19.3
467800 2010 AF_{74}	17.1	X	46.71726	195.36563	271.93275	18.70938	0.0722528	0.35757040	1.9659012	21	—	—
467801 2010 AS_{130}	13.5	X	25.78102	63.09101	292.32655	13.72663	0.0630031	0.08265519	5.2194244	21	10 23.5	20.3
467802 2010 BS_{35}	16.3	X	18.78999	116.42229	73.44760	11.50672	0.0105715	0.17698658	3.1417804	21	4 7.7	20.8
467803 2010 BB_{48}	16.1	X	292.42370	232.64826	49.31672	19.90136	0.0576604	0.17677521	3.1442844	21	4 8.9	20.7
467804 2010 BL_{77}	15.6	X	359.99497	331.34393	277.06662	14.05118	0.2470875	0.18085998	3.0967613	21	5 9.9	18.7
467805 2010 BS_{127}	15.9	X	269.81192	70.70791	231.24822	12.62214	0.1013010	0.17199273	3.2023047	21	3 20.1	20.8
467806 2010 BC_{130}	17.2	X	213.75450	26.79704	28.13142	5.19810	0.1204960	0.22096178	2.7097212	21	6 7.2	21.3
467807 2010 CL_{29}	16.5	X	41.57784	11.99990	161.49158	13.44272	0.0452210	0.18520438	3.0481421	21	4 15.3	20.7
467808 2010 CC_{95}	16.5	X	0.65007	62.34249	157.40677	8.97789	0.1738206	0.18272334	3.0756721	21	4 10.2	19.9
467809 2010 CW_{98}	16.9	X	44.35654	121.04240	20.56605	3.52717	0.1572096	0.17959507	3.1112849	21	3 16.5	20.5
467810 2010 CB_{110}	16.7	X	137.04881	283.14119	137.57590	6.26003	0.1645630	0.19003429	2.9962731	21	4 7.5	21.4
467811 2010 CC_{116}	16.6	X	46.46166	160.55093	349.09755	8.58005	0.0466207	0.18431891	3.0578965	21	3 18.6	20.5
467812 2010 CM_{146}	16.3	X	40.35660	2.47516	145.25378	12.57435	0.0811044	0.18288707	3.0738362	21	3 13.1	20.2
467813 2010 EW_{31}	17.2	X	5.13344	149.26776	41.17229	1.20936	0.1274902	0.17909276	3.1170998	21	3 11.3	20.8
467814 2010 EW_{68}	16.5	X	342.11681	57.42979	172.75761	22.47531	0.2258078	0.17669277	3.1452622	21	3 12.7	20.1
467815 2010 EM_{128}	16.9	X	350.46000	20.84412	195.16632	17.41431	0.1326006	0.17672712	3.1448546	21	3 17.9	20.7
467816 2010 FT_{6}	16.2	X	142.74897	231.08542	180.60036	11.41900	0.1235820	0.18198352	3.0840022	21	3 28.3	20.8
467817 2010 FA_{11}	16.3	X	36.17187	136.99789	8.16204	16.97108	0.1563253	0.17728202	3.1382889	21	3 10.8	19.9
467818 2010 GF_{43}	16.7	X	61.48555	177.22839	293.28223	13.61816	0.1576012	0.18570607	3.0426499	21	2 24.5	20.6
467819 2010 JC_{39}	16.7	X	26.82406	321.82357	189.22606	10.19615	0.1811878	0.17702854	3.1412839	21	2 23.1	20.3
467820 2010 JV_{48}	16.2	X	229.93191	230.71134	71.30243	11.49620	0.0551846	0.16030727	3.3560924	21	2 20.3	21.4
467821 2010 JP_{102}	15.9	X	291.87889	168.19779	125.39700	10.08593	0.0865704	0.18940252	3.0029323	21	4 13.6	20.2
467822 2010 KZ_{85}	16.2	X	286.47273	30.56569	213.49588	15.42012	0.0286401	0.17467379	3.1694523	21	2 6.0	21.0
467823 2010 KP_{128}	16.4	X	311.95258	164.71256	103.51033	29.71935	0.1799888	0.17394573	3.1782901	21	4 6.6	21.3
467824 2010 LW_{98}	17.2	X	65.73562	166.39418	166.58099	24.07450	0.2242220	0.28662057	2.2782313	21	—	—
467825 2010 NO_{117}	17.7	X	53.37415	53.30901	288.39660	10.13329	0.1888540	0.28966719	2.2622287	21	—	—
467826 2010 OF_{81}	17.6	X	23.52080	135.43185	227.12131	10.95187	0.1739248	0.27634352	2.3343709	21	12 24.9	20.4
467827 2010 OZ_{101}	16.8	X	303.78600	105.07069	164.82560	26.25236	0.2696091	0.16940302	3.2348584	21	3 1.9	21.5
467828 2010 OG_{107}	16.6	X	320.37212	339.95807	225.72643	10.87757	0.1611571	0.16341797	3.3133667	21	1 18.2	21.3
467829 2010 PL_{61}	17.9	X	26.07849	215.63679	154.95593	4.28847	0.1188126	0.28507040	2.2864830	21	—	—
467830 2010 RQ_{14}	17.8	X	111.00114	184.22953	152.29184	8.30233	0.2131520	0.29799712	2.2198724	21	—	—
467831 2010 RF_{40}	17.1	X	43.53753	145.79709	226.00735	6.20486	0.1307251	0.28810740	2.2703864	21	—	—
467832 2010 RR_{51}	17.9	X	154.27458	278.41713	12.42677	4.35160	0.1528622	0.29769248	2.2213866	21	—	—
467833 2010 RN_{90}	18.3	X	161.30259	34.64602	271.96638	4.02796	0.2743575	0.30601151	2.1809425	21	—	—
467834 2010 RU_{154}	18.3	X	150.90687	237.28326	56.53982	3.46280	0.1584405	0.29714272	2.2241257	21	—	—
467835 2010 SS_{3}	20.9	X	146.51249	101.71802	193.17298	26.48200	0.2422714	0.48096942	1.6133345	21	—	—
467836 2010 SQ_{15}	17.5	X	90.33111	337.49393	12.97655	5.28746	0.1791685	0.29298602	2.2451126	21	—	—
467837 2010 TW_{16}	17.4	X	229.93974	285.63593	233.62058	6.81871	0.0433067	0.27723717	2.3293518	21	11 26.9	20.2
467838 2010 TG_{23}	17.8	X	116.78997	225.43691	19.24140	7.06145	0.0714676	0.27302353	2.3532568	21	10 29.9	21.1
467839 2010 TZ_{66}	18.2	X	9.23377	181.05914	205.27422	3.86354	0.1484286	0.28105276	2.3082215	21	—	—
467840 2010 TD_{79}	18.0	X	85.62524	246.12145	109.80487	1.09628	0.2475314	0.29273261	2.2464081	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467841 2010 TU_{112}	18.0	X	159.95486	3.96677	262.82061	1.44366	0.1346434	0.29092397	2.2557089	21	—	—
467842 2010 TR_{131}	17.6	X	68.94239	251.50436	81.44740	3.45927	0.1766674	0.28279128	2.2987516	21	—	—
467843 2010 UR_{15}	17.7	X	90.34787	170.54953	172.22869	3.01974	0.2011299	0.29061698	2.2572971	21	—	—
467844 2010 UO_{92}	17.3	X	308.32311	13.68138	37.00860	12.72043	0.1282923	0.26511137	2.3998485	21	10 14.1	19.6
467845 2010 VR_{14}	16.8	X	79.57339	275.16966	52.58366	22.97145	0.2920142	0.28502920	2.2867033	21	—	—
467846 2010 VF_{28}	17.4	X	101.23343	66.09033	34.23296	12.89085	0.2688984	0.21954195	2.7213915	21	4 26.4	21.1
467847 2010 VL_{40}	18.0	X	79.19232	64.51286	253.33100	6.45793	0.0861551	0.28010319	2.3134352	21	12 24.4	21.0
467848 2010 VM_{78}	18.1	X	70.49068	147.78047	192.14999	6.36380	0.1323877	0.28109932	2.3079666	21	—	—
467849 2010 VR_{93}	18.5	X	97.73549	270.11804	69.35235	3.11939	0.2374155	0.29085121	2.2560851	21	—	—
467850 2010 VL_{106}	17.7	X	130.94521	240.48027	83.88560	6.10934	0.1941645	0.29436037	2.2381189	21	—	—
467851 2010 VT_{106}	17.8	X	257.01386	19.34693	64.36935	7.03231	0.1196125	0.25939986	2.4349473	21	9 10.3	21.0
467852 2010 VT_{151}	13.6	X	305.49404	339.88696	86.64353	12.37924	0.0499282	0.08052713	5.3109788	21	10 14.5	20.6
467853 2010 VM_{176}	17.3	X	14.05198	93.09775	270.34600	8.88979	0.1591397	0.27167729	2.3610245	21	12 9.2	19.8
467854 2010 VQ_{177}	14.3	X	321.52910	9.20161	53.18973	9.64571	0.0761326	0.08436711	5.1485777	21	10 23.9	20.8
467855 2010 WE_{15}	13.9	X	327.79552	193.56297	223.44324	8.29983	0.0527987	0.08307790	5.2017047	21	10 24.5	20.5
467856 2010 WE_{31}	13.9	X	86.62246	224.12032	69.89376	19.34214	0.0545355	0.08177999	5.2565970	21	11 4.2	21.0
467857 2010 WK_{50}	17.2	X	95.77020	318.40387	248.80457	11.26647	0.1327807	0.24275658	2.5450054	21	8 15.8	21.0
467858 2010 WM_{61}	13.9	X	116.56034	202.32692	70.48599	18.70845	0.0674530	0.08242765	5.2290257	21	11 11.7	21.1
467859 2010 XL_{33}	12.7	X	291.79943	226.15947	237.14681	31.92092	0.0420709	0.08241128	5.2297180	21	11 2.9	19.6
467860 2011 AF_{5}	16.7	X	68.09644	292.57124	309.97535	12.98959	0.1789663	0.23825865	2.5769358	21	9 4.6	20.2
467861 2011 AK_{6}	17.5	X	195.63564	23.11316	68.10190	5.43840	0.1889747	0.23451372	2.6042972	21	7 4.2	21.9
467862 2011 AL_{22}	17.5	X	159.24985	83.93271	51.06587	2.83545	0.1440965	0.23294920	2.6159448	21	7 26.8	21.5
467863 2011 AK_{28}	17.4	X	202.30443	243.76455	209.66402	3.38268	0.1661970	0.23632392	2.5909812	21	7 13.0	21.6
467864 2011 AA_{32}	17.9	X	183.88699	60.84923	54.47426	4.70335	0.1291184	0.23610602	2.5925751	21	7 26.3	21.9
467865 2011 BP_{15}	18.0	X	114.37095	75.74117	64.65684	4.37766	0.2145463	0.22130395	2.7069273	21	6 24.2	22.2
467866 2011 BR_{64}	17.6	X	98.85928	320.33622	196.90707	3.32253	0.1268624	0.21840227	2.7308507	21	6 17.8	21.3
467867 2011 BO_{76}	17.7	X	2.47177	14.98786	279.99849	2.82045	0.0601319	0.22638451	2.6662748	21	7 25.9	20.7
467868 2011 BZ_{84}	17.2	X	189.49049	174.53967	289.22136	4.44630	0.1222339	0.23252421	2.6191312	21	7 15.7	21.0
467869 2011 BL_{86}	17.2	X	53.60403	108.77268	125.09600	5.92486	0.1406048	0.22674256	2.6634672	21	8 1.1	20.4
467870 2011 BN_{93}	17.5	X	153.74517	300.73884	149.14985	12.68091	0.1791852	0.22049918	2.7135098	21	5 28.9	22.1
467871 2011 BX_{106}	17.2	X	347.41407	334.20225	314.86119	11.14828	0.0388850	0.22741276	2.6582317	21	6 25.5	20.6
467872 2011 BN_{120}	16.6	X	160.55698	16.71922	137.51123	22.57230	0.0307347	0.23279490	2.6171005	21	8 19.5	20.2
467873 2011 BK_{130}	17.1	X	342.91980	40.68206	284.45196	5.53061	0.1480660	0.23521219	2.5991390	21	8 2.7	19.7
467874 2011 CF_{7}	17.5	X	51.21278	314.76342	321.46845	0.52668	0.1703602	0.23421679	2.6064978	21	9 30.5	20.8
467875 2011 CC_{26}	17.3	X	221.72463	344.62115	129.41928	12.82256	0.0286625	0.24261532	2.5459932	21	9 16.8	20.8
467876 2011 CN_{89}	17.4	X	296.32586	83.15125	245.73271	4.02775	0.0446992	0.22138195	2.7062915	21	6 4.2	21.0
467877 2011 CE_{103}	17.1	X	143.44378	321.11713	167.43846	5.98459	0.0584112	0.22248951	2.6973027	21	6 25.4	21.0
467878 2011 DN_{4}	17.7	X	21.73270	342.76488	158.80653	23.42658	0.0744531	0.38236357	1.8799734	21	—	—
467879 2011 DV_{8}	16.7	X	84.41091	113.60486	20.23294	12.28832	0.1305935	0.20363012	2.8613745	21	4 27.7	20.5
467880 2011 DZ_{9}	17.2	X	110.94362	329.81434	159.58991	8.42526	0.1692700	0.21091831	2.7950733	21	6 2.9	21.5
467881 2011 DQ_{20}	17.2	X	337.20503	180.24591	143.06638	10.65503	0.0956846	0.23035368	2.6355582	21	7 23.1	20.3
467882 2011 DQ_{21}	17.6	X	171.92567	143.00550	297.97932	2.63160	0.0599328	0.21508136	2.7588888	21	5 27.5	21.5
467883 2011 DH_{23}	17.1	X	28.18846	232.06268	358.55082	4.96366	0.1030779	0.21029798	2.8005671	21	6 8.9	20.4
467884 2011 EQ_{6}	17.2	X	39.88185	279.54094	302.22662	3.57009	0.1393819	0.21597312	2.7512892	21	6 21.2	20.3
467885 2011 EM_{37}	16.2	X	34.04074	134.47264	41.35325	9.20748	0.0257225	0.19879280	2.9076063	21	4 4.5	20.1
467886 2011 EP_{83}	16.7	X	60.70219	195.74192	2.80091	5.66570	0.0502099	0.21340176	2.7733460	21	6 8.9	20.4
467887 2011 FS_{23}	16.5	X	36.29402	112.64384	48.80694	10.94650	0.0645690	0.19213867	2.9743555	21	3 25.3	20.4
467888 2011 FD_{26}	16.3	X	356.22547	138.28040	96.33431	9.55254	0.1474917	0.19890031	2.9065585	21	4 23.9	19.7
467889 2011 FJ_{45}	17.1	X	5.73899	231.79678	30.96488	4.49474	0.0183564	0.21141144	2.7907251	21	6 15.3	20.7
467890 2011 GC_{35}	16.2	X	227.50596	282.80892	6.83193	15.94308	0.1952983	0.17503679	3.1650689	21	1 28.2	21.7
467891 2011 GN_{63}	16.7	X	10.89051	114.62344	163.85558	9.16210	0.1942851	0.20987707	2.8043102	21	7 22.1	19.6
467892 2011 GD_{85}	16.8	X	18.24702	183.05871	29.82129	8.82788	0.1480433	0.19778616	2.9174637	21	4 29.6	19.9
467893 2011 HZ_{9}	16.2	X	270.22259	176.18333	74.19725	11.03623	0.1111982	0.17702886	3.1412802	21	1 22.7	21.0
467894 2011 HJ_{11}	16.3	X	262.46702	187.57941	114.65725	10.42120	0.2150079	0.18227804	3.0806793	21	3 7.9	21.3
467895 2011 HP_{29}	16.5	X	354.88931	151.91042	60.17361	10.80053	0.1689648	0.19088254	2.9873899	21	3 22.2	20.0
467896 2011 HL_{36}	16.4	X	343.05606	105.56066	127.23715	11.48095	0.1872652	0.18865629	3.0108458	21	3 25.6	20.0
467897 2011 HY_{36}	16.7	X	309.74824	194.54696	92.14903	8.52553	0.1840297	0.19123816	2.9836853	21	4 13.3	20.8
467898 2011 HH_{40}	16.8	X	126.09578	32.58355	76.52665	12.13378	0.0367436	0.20111345	2.8851959	21	5 10.7	20.9
467899 2011 HP_{41}	15.3	X	226.29976	215.09602	87.90867	22.93923	0.0487092	0.17469161	3.1692368	21	2 16.8	20.4
467900 2011 HD_{53}	18.2	X	190.49569	354.97671	45.24446	15.19425	0.2017854	0.39193805	1.8492307	21	4 19.5	20.7
467901 2011 HN_{61}	17.7	X	225.23397	278.60235	89.40660	23.03967	0.1129391	0.38516640	1.8708420	21	4 21.5	20.6
467902 2011 HA_{68}	16.7	X	344.58091	138.53150	189.23453	11.72570	0.2045565	0.21503698	2.7592684	21	8 4.2	19.4
467903 2011 HC_{73}	17.2	X	350.60534	20.59975	205.37156	6.24506	0.1734072	0.19549936	2.9401704	21	3 24.5	20.6
467904 2011 HL_{76}	15.5	X	41.93174	309.47445	165.40041	18.29442	0.1029598	0.17547377	3.1598119	21	1 31.6	19.7
467905 2011 HD_{94}	16.3	X	214.57773	330.42947	87.03437	14.20637	0.1392384	0.21205303	2.7850932	21	6 11.6	20.7
467906 2011 JB_{19}	16.6	X	280.21580	127.95497	142.91777	12.02417	0.0865968	0.18217863	3.0817999	21	2 28.2	21.0
467907 2011 KM_{3}	15.7	X	277.93472	52.67184	227.31339	21.33738	0.1159646	0.18060538	3.0996710	21	2 24.4	20.8
467908 2011 KD_{7}	16.0	X	261.28759	163.74535	106.73445	24.48055	0.0914367	0.17218815	3.1998814	21	2 9.3	21.0
467909 2011 KR_{23}	16.5	X	8.48271	103.09131	69.38457	12.84805	0.0603252	0.18129483	3.0918074	21	3 2.6	20.8
467910 2011 KT_{26}	16.5	X	238.76687	128.56946	205.58853	11.96313	0.1325152	0.18349074	3.0670907	21	3 24.9	21.4
467911 2011 KK_{47}	17.0	X	323.82651	185.97130	95.32992	3.26356	0.1998291	0.19226946	2.9730064	21	4 21.6	20.6
467912 2011 KM_{47}	16.3	X	273.58646	184.49068	76.29353	11.38739	0.0645954	0.17557326	3.1586182	21	2 15.3	21.1
467913 2011 LW_{3}	16.2	X	346.84327	124.98483	94.21318	17.15229	0.1648825	0.18597670	3.0396974	21	3 22.1	20.1
467914 2011 LF_{16}	17.9	X	304.39594	31.83358	249.48490	23.88114	0.0875895	0.38102532	1.8843728	21	2 26.7	20.7
467915 2011 LT_{19}	16.1	X	353.18587	17.25211	149.13454	15.84000	0.0720061	0.17134868	3.2103240	21	1 26.5	20.4
467916 2011 OA_{14}	17.7	X	136.26298	65.87387	295.56272	15.99762	0.1001770	0.34780520	2.0025283	21	—	—
467917 2011 OP_{24}	19.9	X	309.05340	320.91095	144.93129	15.34579	0.5695913	0.70912755	1.2454314	21	—	—
467918 2011 OU_{26}	15.4	X	304.94976	285.81246	306.47241	24.52292	0.1995863	0.17074411	3.2178977	21	1 27.1	19.8
467919 2011 QU_{74}	16.8	X	328.42637	75.95560	170.99077	10.04967	0.1709137	0.17528038	3.1621358	21	3 20.8	20.7
467920 2011 SF_{226}	18.6	X	203.62980	143.20112	207.41577	20.84894	0.0728195	0.35398972	1.9791359	21	2 10.9	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467921 2011 TS	17.9	X	250.14120	113.23412	207.97998	21.88950	0.0917796	0.36034331	1.9558028	21	2 25.1	20.7
467922 2011 UJ_{26}	15.0	X	92.49383	184.82950	191.77023	3.49210	0.1827244	0.12227078	4.0202611	21	1 8.2	20.5
467923 2011 YU_{28}	17.4	X	307.37618	291.36670	115.23680	24.24382	0.3124269	0.28623545	2.2802743	21	9 18.1	19.5
467924 2011 YK_{39}	17.1	X	148.36046	54.22343	108.92168	11.67929	0.0934126	0.26092151	2.4254712	21	8 22.6	20.7
467925 2011 YL_{56}	17.7	X	148.71587	143.26381	97.07712	6.30178	0.1768117	0.28320647	2.2965043	21	12 1.0	21.4
467926 2012 AE_{16}	13.6	X	5.03117	289.79179	91.27223	18.53244	0.0225788	0.08039351	5.3168619	21	11 5.5	20.7
467927 2012 AY_{17}	14.1	X	12.85068	218.03331	164.82707	10.65887	0.0943516	0.08248718	5.2265094	21	11 16.3	20.7
467928 2012 AE_{22}	17.3	X	226.05194	84.77943	65.42683	22.92085	0.2581960	0.27878611	2.3207158	21	10 23.0	21.1
467929 2012 BH_{24}	16.4	X	106.78132	304.46288	155.33469	31.71347	0.2538681	0.22972799	2.6403416	21	5 6.7	21.0
467930 2012 BP_{52}	17.8	X	179.34099	229.37591	277.12808	3.97778	0.1343663	0.26231776	2.4168568	21	8 29.1	21.5
467931 2012 BQ_{66}	17.6	X	222.90555	159.91082	271.12585	5.91809	0.1003530	0.26084656	2.4259358	21	7 9.9	21.0
467932 2012 BS_{69}	17.8	X	172.68799	257.23836	327.26485	4.56308	0.1773888	0.28065461	2.3104040	21	11 30.9	21.5
467933 2012 BG_{90}	18.3	X	203.07302	180.25909	317.40304	4.79705	0.1668239	0.26829009	2.3808551	21	9 9.5	22.0
467934 2012 BG_{113}	18.4	X	211.00385	199.92770	306.32157	1.57337	0.1802067	0.27090966	2.3654824	21	9 28.4	21.9
467935 2012 BX_{126}	17.5	X	176.35939	142.47517	49.38417	3.20134	0.1781920	0.26916663	2.3756835	21	10 24.6	21.1
467936 2012 BN_{129}	18.2	X	292.56304	337.88435	108.96723	3.10302	0.1278356	0.28228452	2.3015019	21	11 10.2	20.4
467937 2012 BV_{149}	17.7	X	205.99646	243.38480	284.26355	4.32532	0.0774462	0.27557589	2.3387039	21	10 31.3	20.9
467938 2012 CK_{8}	18.1	X	179.46986	317.71467	223.98855	1.31701	0.1118901	0.27190833	2.3596869	21	10 17.6	21.5
467939 2012 CJ_{35}	18.5	X	208.04145	135.72056	11.22852	0.53404	0.1573986	0.27096439	2.3651639	21	9 29.1	22.0
467940 2012 CK_{52}	18.3	X	185.89620	254.77223	297.77012	1.60151	0.1263123	0.27494247	2.3422945	21	11 6.4	21.7
467941 2012 DN_{1}	18.2	X	218.95776	15.64638	152.48366	4.03032	0.1467948	0.27752248	2.3277550	21	11 11.2	21.4
467942 2012 DL_{23}	18.2	X	227.81849	138.01311	11.15517	1.56448	0.1239758	0.27325244	2.3519424	21	10 28.3	21.3
467943 2012 DR_{36}	18.0	X	162.42494	3.51359	174.97194	2.52829	0.1080251	0.26312253	2.4119263	21	9 24.9	21.4
467944 2012 DP_{44}	17.9	X	286.27834	72.93795	31.97761	6.64255	0.0623328	0.27640738	2.3340113	21	11 29.2	20.5
467945 2012 DM_{51}	18.2	X	236.99491	5.44821	112.07736	2.14061	0.1300628	0.26950663	2.3736850	21	9 27.1	21.2
467946 2012 DG_{63}	18.4	X	185.63032	78.16544	150.06639	6.99744	0.0430493	0.28786077	2.2716830	21	—	—
467947 2012 DP_{63}	18.6	X	152.72446	284.62477	307.09686	1.75439	0.1711175	0.27466175	2.3438902	21	11 21.8	22.4
467948 2012 DS_{64}	17.3	X	217.45681	157.25781	345.41691	9.23983	0.1199994	0.27035302	2.3687282	21	10 4.8	20.6
467949 2012 FA_{9}	18.3	X	239.08019	286.52454	183.14854	2.17610	0.1413653	0.26876207	2.3780669	21	9 15.9	21.4
467950 2012 FT_{12}	17.8	X	346.61397	231.02510	165.74444	6.31626	0.0714791	0.27434788	2.3456775	21	12 1.8	20.5
467951 2012 FQ_{21}	17.6	X	315.88766	309.08012	111.71685	2.68580	0.1887023	0.27646775	2.3336716	21	11 11.7	19.3
467952 2012 FE_{40}	17.7	X	162.90114	298.50190	265.44063	6.11557	0.0528707	0.26592914	2.3949260	21	10 28.2	21.0
467953 2012 FT_{40}	17.3	X	99.71554	154.08385	116.28251	3.64034	0.1987054	0.25826829	2.4420543	21	11 22.8	21.1
467954 2012 FX_{52}	18.5	X	203.95371	95.01984	40.23807	2.93387	0.1402345	0.26193967	2.4191820	21	9 11.6	22.1
467955 2012 HH_{4}	17.4	X	37.65424	227.10713	85.75491	7.90400	0.1582284	0.25291134	2.4764174	21	11 3.9	20.4
467956 2012 HM_{6}	17.2	X	0.73422	39.52439	224.50500	13.76705	0.0800736	0.22541541	2.6739112	21	6 8.7	20.4
467957 2012 HN_{17}	17.0	X	317.26960	214.90639	94.53579	12.21168	0.0728996	0.22335570	2.6903246	21	6 4.9	20.5
467958 2012 HU_{42}	17.3	X	8.50567	186.49312	85.16811	10.11633	0.1597679	0.22732778	2.6588941	21	7 6.1	19.8
467959 2012 HZ_{42}	16.8	X	332.32118	259.76263	38.84576	13.33356	0.1649904	0.22585578	2.6704344	21	5 28.9	19.8
467960 2012 HG_{57}	16.9	X	41.28206	174.60444	73.59769	8.24819	0.1857216	0.23281076	2.6169817	21	8 12.2	19.9
467961 2012 HR_{65}	16.6	X	331.63714	204.39578	114.62948	13.53922	0.1846913	0.22661930	2.6644329	21	6 28.1	19.3
467962 2012 JC_{9}	17.5	X	151.49247	108.61960	53.07965	6.94672	0.0456710	0.24098476	2.5574648	21	8 21.9	21.1
467963 2012 JT_{17}	18.6	X	82.69026	117.93655	225.03828	14.31421	0.6161716	0.25252528	2.4789408	21	—	—
467964 2012 JT_{24}	17.3	X	31.32655	162.65807	66.99288	10.71067	0.2089551	0.22581004	2.6707950	21	6 24.8	19.9
467965 2012 JC_{33}	18.0	X	58.17646	207.22116	57.45748	5.17331	0.1096082	0.24013069	2.5635253	21	9 18.6	21.2
467966 2012 JJ_{60}	17.1	X	27.26840	178.07487	126.01505	5.96037	0.1733217	0.23816486	2.5776123	21	10 6.4	19.9
467967 2012 KA_{1}	16.9	X	58.95007	64.99742	227.74174	38.90379	0.1690433	0.24290521	2.5439671	21	11 2.7	20.3
467968 2012 KS_{10}	17.5	X	45.91676	107.75364	197.52715	5.74380	0.2352037	0.24270425	2.5453712	21	11 13.3	20.7
467969 2012 KJ_{12}	16.4	X	221.16256	305.95785	119.14855	22.78485	0.0335676	0.22985614	2.6393601	21	7 6.9	20.1
467970 2012 KK_{44}	17.3	X	37.78647	168.86473	72.47044	5.97666	0.1369020	0.22657085	2.6648128	21	7 16.5	20.2
467971 2012 KS_{45}	17.0	X	69.22682	115.08942	150.26828	7.77725	0.1703225	0.24033711	2.5620573	21	10 13.0	20.6
467972 2012 KG_{48}	16.6	X	321.87513	225.52560	103.44046	11.73515	0.1392547	0.22448990	2.6812553	21	6 30.1	19.6
467973 2012 KT_{50}	16.1	X	38.80018	109.71270	208.80350	11.31824	0.2156755	0.24270217	2.5453857	21	11 18.5	19.3
467974 2012 LR_{4}	16.5	X	309.52627	68.49039	261.20051	11.49645	0.1746910	0.21991164	2.7183408	21	6 4.4	19.9
467975 2012 LW_{10}	16.3	X	6.58110	172.76279	116.43065	24.75675	0.1105277	0.22849006	2.6498697	21	7 26.9	19.1
467976 2012 LY_{13}	15.9	X	136.36283	278.87376	103.98576	13.13272	0.0865197	0.18817212	3.0160083	21	2 12.2	20.4
467977 2012 LM_{17}	17.1	X	127.79843	329.83686	217.50896	13.42498	0.1913193	0.24251504	2.5466950	21	8 29.7	21.5
467978 2012 PT_{15}	17.1	X	335.49511	104.26180	176.89684	12.35958	0.1017572	0.20225383	2.8743405	21	5 24.0	20.8
467979 2012 PE_{21}	16.3	X	250.72490	170.23020	155.33636	15.90070	0.1418668	0.18932554	3.0037463	21	3 29.6	21.1
467980 2012 QJ_{16}	17.7	X	51.56994	140.53363	170.54092	11.67040	0.1890633	0.23192447	2.6236446	21	11 20.8	21.4
467981 2012 QH_{39}	15.9	X	214.50431	22.77487	315.27263	16.57715	0.2593632	0.17782601	3.1318854	21	3 1.7	21.6
467982 2012 QR_{43}	16.0	X	176.23286	240.73316	118.02980	10.66071	0.1241106	0.17410017	3.1764103	21	3 1.6	21.1
467983 2012 RK_{10}	16.7	X	55.39350	80.98393	230.11077	12.14551	0.2318806	0.23229219	2.6208750	21	11 28.9	20.4
467984 2012 RM_{42}	17.0	X	32.60625	226.90049	101.14281	7.47432	0.4296926	0.23029964	2.6359705	21	12 20.9	20.8
467985 2012 SM_{14}	16.4	X	272.63262	78.02190	248.61902	8.01119	0.1372704	0.18534603	3.0465889	21	4 18.7	20.9
467986 2012 SN_{52}	16.3	X	356.54745	13.53864	205.28581	7.87802	0.0641343	0.18166846	3.0875668	21	4 5.7	20.4
467987 2012 TR_{3}	16.5	X	63.79126	231.95946	264.52248	8.21001	0.0304067	0.17896097	3.1186299	21	3 21.1	20.9
467988 2012 TT_{33}	16.6	X	270.73336	248.24044	62.52535	2.84398	0.1704088	0.18070464	3.0985358	21	3 28.1	21.2
467989 2012 TU_{42}	15.9	X	221.10276	109.14794	237.47633	9.25406	0.0907498	0.17491859	3.1664946	21	3 23.9	20.9
467990 2012 TX_{94}	16.6	X	287.04630	299.99527	7.82643	8.79043	0.1752171	0.18467738	3.0539382	21	4 7.9	20.9
467991 2012 TV_{96}	16.2	X	272.03357	92.65105	214.18711	9.90693	0.1106643	0.17758469	3.1347221	21	3 29.1	20.8
467992 2012 TO_{151}	16.8	X	244.26418	270.32550	75.15793	1.18758	0.2761564	0.18093236	3.0959353	21	4 4.9	22.2
467993 2012 TD_{163}	16.6	X	238.67937	270.75873	56.39452	8.69166	0.1429218	0.17386550	3.1792678	21	3 22.6	21.7
467994 2012 TF_{164}	15.8	X	254.15309	140.05876	188.25293	15.35616	0.0782511	0.17699293	3.1417052	21	4 10.9	20.4
467995 2012 TJ_{216}	18.0	X	126.91816	40.30840	20.02572	21.65406	0.0510394	0.38675020	1.8657309	21	2 17.6	20.3
467996 2012 TE_{264}	16.5	X	272.88126	109.13054	198.22974	17.75119	0.0770073	0.17761049	3.1344185	21	4 5.5	21.1
467997 2012 TX_{271}	16.6	X	268.02974	238.75149	99.09559	0.76490	0.2206421	0.18717992	3.0266571	21	4 20.1	21.3
467998 2012 TW_{285}	16.4	X	225.10449	302.05898	37.30455	7.38900	0.1552559	0.17419772	3.1752243	21	3 22.3	21.5
467999 2012 UM_{46}	16.0	X	253.30208	224.04680	52.07458	11.12674	0.0717287	0.15760196	3.3943893	21	2 13.9	21.2
468000 2012 UV_{86}	15.9	X	241.85637	104.15437	231.29625	25.13953	0.2287582	0.17409464	3.1764775	21	3 19.2	21.6