Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464001 2014 WH_{69}	18.2	X	322.32207	287.65595	20.59329	4.32074	0.1962687	0.29712924	2.2241929	20	6 6.4	19.9
464002 2014 WQ_{72}	16.1	X	248.71780	179.42321	96.45202	15.89301	0.0884598	0.24041108	2.5615317	20	1 31.9	20.0
464003 2014 WA_{73}	17.1	X	271.01504	285.97310	31.05012	7.78264	0.1339607	0.26634305	2.3924441	20	4 10.7	20.4
464004 2014 WE_{73}	16.5	X	3.12411	132.35425	37.39761	8.96912	0.0894053	0.22567384	2.6718694	20	2 18.8	19.8
464005 2014 WH_{73}	16.3	X	348.67509	77.79749	33.12759	7.52824	0.1754534	0.18790042	3.0189150	20	—	—
464006 2014 WW_{77}	16.9	X	144.81005	130.44523	201.80854	4.45940	0.0526374	0.21193072	2.7861646	20	—	—
464007 2014 WL_{80}	17.3	X	358.29868	302.78171	156.78281	2.65921	0.0474196	0.19807686	2.9146085	20	—	—
464008 2014 WL_{83}	17.3	X	80.27420	231.36326	146.40994	2.64034	0.0862270	0.20322059	2.8652173	20	—	—
464009 2014 WL_{93}	17.0	X	353.71384	337.23421	100.32754	5.50987	0.1535673	0.18243749	3.0788840	20	—	—
464010 2014 WW_{103}	17.1	X	5.41252	57.52952	74.66196	11.31749	0.1859204	0.21193073	2.7861645	20	—	—
464011 2014 WE_{107}	17.9	X	204.18643	247.21153	114.91952	5.18827	0.1268919	0.26225939	2.4172154	20	3 31.2	21.6
464012 2014 WA_{108}	17.1	X	101.17890	302.68058	127.80420	7.31971	0.1149572	0.23740681	2.5830963	20	3 6.6	20.4
464013 2014 WH_{109}	17.7	X	226.84791	198.18475	156.85556	5.32759	0.1252501	0.26685581	2.3893784	20	4 13.1	21.2
464014 2014 WY_{117}	17.5	X	327.61916	166.63708	68.95817	5.97499	0.0677174	0.25998248	2.4313081	20	3 21.6	20.4
464015 2014 WE_{119}	16.9	X	9.44532	168.49858	335.31045	8.38877	0.1892615	0.21295026	2.7772646	20	1 17.9	19.7
464016 2014 WQ_{121}	17.5	X	215.31578	333.85193	43.47417	7.44269	0.1236474	0.27291499	2.3538807	20	4 28.7	21.0
464017 2014 WZ_{122}	17.3	X	38.49980	8.11780	274.59150	6.31255	0.0861907	0.31105597	2.1572991	20	9 28.9	19.7
464018 2014 WB_{123}	17.5	X	177.84868	325.33542	10.47489	6.03073	0.0391123	0.22610460	2.6684749	20	1 30.7	21.3
464019 2014 WJ_{123}	16.5	X	309.84525	295.05088	278.82052	7.81239	0.2060508	0.22156414	2.7048077	20	1 9.4	20.3
464020 2014 WP_{123}	16.7	X	288.67430	318.72111	194.15041	5.71376	0.1747388	0.17872101	3.1214207	20	—	—
464021 2014 WT_{123}	17.2	X	53.18446	318.82422	113.11571	5.94447	0.0167473	0.21041684	2.7995124	20	—	—
464022 2014 WN_{124}	16.8	X	75.04169	136.74138	264.15352	6.52740	0.1239679	0.20557172	2.8433292	20	—	—
464023 2014 WB_{125}	16.7	X	151.61479	95.62836	270.07589	5.17685	0.0368943	0.22471494	2.6794649	20	2 2.6	20.4
464024 2014 WH_{125}	16.2	X	287.76519	106.64595	57.27431	17.23915	0.2015904	0.17826912	3.1266935	20	—	—
464025 2014 WJ_{130}	17.4	X	1.52046	273.09715	235.50236	1.53658	0.0172655	0.22152922	2.7050920	20	1 20.7	21.1
464026 2014 WW_{130}	17.1	X	64.42162	11.25875	56.75973	5.14201	0.0579288	0.21317367	2.7753239	20	1 6.9	20.6
464027 2014 WM_{133}	15.7	X	169.65345	267.24118	259.70915	1.96888	0.1656825	0.12632582	3.9337609	20	9 10.6	21.9
464028 2014 WY_{133}	16.6	X	322.66323	42.79761	60.93013	10.05490	0.0550807	0.17784139	3.1317049	20	—	—
464029 2014 WB_{134}	16.7	X	292.56293	257.74193	243.06484	8.60058	0.0805925	0.17874941	3.1210901	20	—	—
464030 2014 WK_{135}	16.5	X	29.72871	296.63235	87.64602	9.59652	0.0462142	0.17567142	3.1574414	20	12 27.5	20.7
464031 2014 WZ_{137}	18.4	X	15.20802	241.94000	53.54544	2.50719	0.0939110	0.30502538	2.1856405	20	9 15.9	20.5
464032 2014 WS_{138}	17.1	X	355.75201	9.32372	74.46979	0.27048	0.1581012	0.18305754	3.0719275	20	—	—
464033 2014 WJ_{144}	17.2	X	310.20651	75.22255	69.25373	2.52581	0.1635877	0.18357922	3.0661051	20	—	—
464034 2014 WR_{158}	17.9	X	224.49672	310.74498	71.72837	5.25946	0.1496917	0.28900325	2.2656921	20	5 13.6	21.1
464035 2014 WZ_{160}	17.3	X	174.26534	151.64175	173.80983	7.74545	0.0397580	0.22027160	2.7153785	20	1 11.6	21.3
464036 2014 WO_{162}	17.5	X	43.71099	148.05202	341.30307	2.98438	0.0310231	0.23342195	2.6124115	20	2 20.6	20.9
464037 2014 WB_{170}	17.8	X	173.77661	327.62635	104.76126	6.64838	0.0660354	0.28224846	2.3016979	20	5 28.3	20.9
464038 2014 WD_{179}	16.8	X	68.37834	8.59806	66.29971	11.86703	0.1300573	0.22695132	2.6618336	20	1 29.5	20.0
464039 2014 WN_{180}	17.4	X	49.48836	348.06505	92.68431	6.34689	0.1657696	0.21903311	2.7256047	20	1 6.8	20.1
464040 2014 WS_{181}	17.6	X	73.96717	309.19127	90.46841	4.56386	0.2011485	0.21674576	2.7447469	20	—	—
464041 2014 WO_{185}	16.8	X	356.71780	190.46559	17.48875	11.82088	0.1148988	0.23186667	2.6240806	20	3 26.5	19.6
464042 2014 WA_{186}	17.5	X	275.24451	16.20441	319.13629	11.47735	0.1378816	0.26799808	2.3825842	20	5 4.7	20.9
464043 2014 WW_{193}	16.9	X	63.80126	46.62420	308.85271	7.62099	0.1719927	0.18686548	3.0300514	20	—	—
464044 2014 WL_{194}	16.5	X	80.25939	14.31835	316.78597	8.54670	0.0847202	0.17927121	3.1150308	20	12 29.8	21.1
464045 2014 WT_{198}	16.6	X	294.91369	59.06174	95.06452	18.11799	0.2015104	0.18242429	3.0790325	20	—	—
464046 2014 WK_{200}	14.7	X	151.90809	177.12834	356.19277	13.54948	0.1220138	0.12375416	3.9880708	20	9 4.9	20.9
464047 2014 WC_{210}	17.7	X	211.74239	256.67101	57.49971	2.60636	0.0630049	0.23214207	2.6220048	20	2 9.8	21.6
464048 2014 WH_{211}	17.1	X	8.91607	52.81832	71.99929	1.29580	0.0163630	0.20989461	2.8041540	20	1 3.0	20.7
464049 2014 WV_{212}	16.4	X	320.40083	74.76976	51.68867	12.41446	0.1964593	0.18262335	3.0767947	20	—	—
464050 2014 WQ_{214}	15.7	X	294.15681	304.41716	120.19368	7.15658	0.1221881	0.15433024	3.4421942	20	10 2.3	20.2
464051 2014 WO_{218}	17.0	X	84.38994	95.69621	240.32885	11.25136	0.0509447	0.18441656	3.0568170	20	—	—
464052 2014 WW_{219}	17.9	X	335.28400	346.97681	2.75359	3.37353	0.1728477	0.32036534	2.1153019	20	10 5.6	19.0
464053 2014 WL_{220}	17.2	X	57.93392	99.04503	24.48487	5.80057	0.0653070	0.23713419	2.5850757	20	3 8.7	20.3
464054 2014 WO_{224}	17.4	X	74.69754	13.34018	13.29830	1.86996	0.0834146	0.20169900	2.8796092	20	—	—
464055 2014 WP_{227}	16.7	X	145.39555	119.47075	256.01637	4.20956	0.2104599	0.23720278	2.5845774	20	2 23.1	20.8
464056 2014 WG_{232}	16.8	X	173.94615	192.89557	68.60823	11.08223	0.0364634	0.18612527	3.0380797	20	—	—
464057 2014 WL_{232}	16.1	X	282.45693	288.91376	234.90507	15.56459	0.1361331	0.18186928	3.0852935	20	—	—
464058 2014 WU_{232}	17.2	X	89.93517	59.16948	80.95544	11.29831	0.1002076	0.25585037	2.4574160	20	5 21.2	20.3
464059 2014 WG_{233}	16.7	X	40.22634	245.29966	133.70111	1.69748	0.1314001	0.18798131	3.0180489	20	—	—
464060 2014 WW_{235}	16.3	X	54.90875	58.38493	302.49323	10.29368	0.1207563	0.18183736	3.0856545	20	—	—
464061 2014 WC_{237}	16.5	X	104.97306	316.04433	49.36808	16.01728	0.1446181	0.20557766	2.8432744	20	—	—
464062 2014 WU_{239}	17.3	X	50.17874	355.72375	87.66941	4.75743	0.0729750	0.21355755	2.7719970	20	1 6.8	20.6
464063 2014 WP_{249}	17.0	X	79.10922	296.73270	112.17833	6.30585	0.1814105	0.22479847	2.6788012	20	1 16.6	19.9
464064 2014 WU_{250}	17.0	X	27.37101	223.73399	177.00418	11.57610	0.2023125	0.19826199	2.9127938	20	—	—
464065 2014 WK_{253}	17.6	X	163.51697	274.04872	132.70344	6.97124	0.1876746	0.25893239	2.4378771	20	4 20.1	21.6
464066 2014 WK_{254}	16.2	X	342.35588	354.09468	94.03290	11.01090	0.2269319	0.17859716	3.1228636	20	—	—
464067 2014 WW_{259}	17.2	X	66.35704	344.46483	124.68233	5.10931	0.0501804	0.23260644	2.6185139	20	2 28.7	20.5
464068 2014 WB_{269}	16.5	X	138.66148	111.98645	208.11568	11.57370	0.0533990	0.19817917	2.9136053	20	—	—
464069 2014 WJ_{269}	16.7	X	341.56437	237.22433	222.18251	16.14295	0.1911121	0.18078582	3.0976081	20	—	—
464070 2014 WT_{270}	16.2	X	312.51346	54.32257	72.12815	26.73671	0.1995636	0.17657207	3.1466954	20	—	—
464071 2014 WR_{271}	17.3	X	98.25493	311.37682	106.39032	6.31350	0.0643336	0.22426469	2.6830501	20	2 8.5	20.8
464072 2014 WM_{273}	17.0	X	80.25451	299.04781	120.66426	5.80307	0.1542251	0.21612856	2.7499699	20	1 30.6	20.4
464073 2014 WZ_{274}	17.3	X	154.38380	200.10015	179.08969	7.45734	0.2171619	0.24036068	2.5618897	20	3 8.1	21.5
464074 2014 WX_{275}	16.2	X	244.81870	177.73881	106.89201	13.96393	0.1370163	0.23447778	2.6045633	20	2 4.7	20.3
464075 2014 WS_{286}	16.2	X	320.66122	47.04742	91.32420	15.77699	0.1682303	0.18533162	3.0467469	20	—	—
464076 2014 WF_{294}	17.3	X	168.44694	182.63536	168.12834	14.35833	0.1295426	0.23148475	2.6269660	20	2 9.5	21.5
464077 2014 WG_{294}	16.6	X	353.43660	114.70137	92.90787	30.78834	0.2830774	0.23506791	2.6002024	20	3 14.7	19.7
464078 2014 WJ_{296}	16.2	X	17.33825	313.16264	130.65401	11.37828	0.0789275	0.19438510	2.9513955	20	—	—
464079 2014 WB_{297}	16.7	X	301.18871	53.96485	95.35131	18.48492	0.2201749	0.17925784	3.1151857	20	—	—
464080 2014 WB_{298}	16.0	X	321.21614	22.85101	110.84347	17.43997	0.1019713	0.19111940	2.9849211	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464081 2014 WJ_{301}	16.5	X	49.72057	214.19923	267.76398	12.13560	0.1205503	0.23450024	2.6043970	20	2 19.6	19.7
464082 2014 WH_{302}	16.4	X	140.25873	118.63796	250.75422	22.30584	0.0728912	0.23038087	2.6353508	20	1 21.8	20.6
464083 2014 WD_{308}	16.7	X	237.97517	351.57275	277.89413	8.61104	0.1661752	0.22507658	2.6765941	20	1 9.1	21.1
464084 2014 WJ_{314}	17.1	X	186.71123	262.95649	110.35664	7.11271	0.1450254	0.26252637	2.4155763	20	3 29.3	20.9
464085 2014 WF_{319}	17.2	X	108.25709	298.13456	142.61389	6.79977	0.2110669	0.24458359	2.5323157	20	4 11.5	20.8
464086 2014 WN_{319}	16.8	X	1.77772	60.39834	62.95910	16.16404	0.2131785	0.21022958	2.8011745	20	—	—
464087 2014 WB_{327}	16.9	X	3.16702	253.62570	175.09654	10.49890	0.1559214	0.18587706	3.0407836	20	—	—
464088 2014 WG_{327}	17.2	X	77.10767	271.96870	201.51034	16.07234	0.1716204	0.23824512	2.5770333	20	4 5.8	20.3
464089 2014 WT_{331}	17.6	X	177.20513	210.54785	153.27711	6.32640	0.1439432	0.24686004	2.5167236	20	3 6.5	21.5
464090 2014 WP_{334}	18.0	X	200.49111	291.33422	170.35199	6.82072	0.0661980	0.29720700	2.2238050	20	8 10.0	20.8
464091 2014 WM_{348}	17.6	X	209.93510	46.93243	336.56590	6.47309	0.1326552	0.26855738	2.3792751	20	4 27.8	21.3
464092 2014 WC_{350}	16.8	X	25.71006	37.83175	3.40175	5.02371	0.1439059	0.18454721	3.0553742	20	—	—
464093 2014 WK_{350}	16.8	X	66.40169	347.21236	86.29482	15.61309	0.1420023	0.21867665	2.7285658	20	1 26.4	20.1
464094 2014 WP_{352}	18.0	X	281.36743	274.33024	54.00672	7.71834	0.0276087	0.27416890	2.3466983	20	5 25.8	20.8
464095 2014 WJ_{384}	16.8	X	57.16739	202.80936	253.41593	8.41906	0.1525393	0.22010445	2.7167531	20	2 5.9	19.9
464096 2014 WU_{391}	16.8	X	7.97212	66.27221	86.28467	17.22201	0.1037897	0.22669130	2.6638687	20	1 31.4	20.1
464097 2014 WU_{393}	16.5	X	86.23233	53.69169	297.08974	13.81258	0.1550431	0.20277621	2.8694019	20	—	—
464098 2014 WY_{393}	17.2	X	117.93731	46.07353	74.68308	5.91717	0.0588179	0.26439796	2.4041634	20	5 23.9	20.2
464099 2014 WA_{394}	17.2	X	56.04830	33.12942	87.65874	4.24288	0.1151423	0.23058477	2.6337971	20	3 8.6	20.2
464100 2014 WL_{402}	17.2	X	327.52198	357.55694	141.92656	2.65307	0.1973801	0.18929597	3.0040591	20	—	—
464101 2014 WL_{407}	16.0	X	264.70281	71.96606	98.89719	10.03954	0.0554119	0.17607269	3.1526425	20	—	—
464102 2014 WV_{407}	16.6	X	59.98589	72.98875	73.48959	5.42627	0.1494147	0.23721880	2.5844610	20	4 24.0	19.5
464103 2014 WN_{408}	16.7	X	35.24886	320.92396	73.31968	9.40168	0.2759903	0.18590234	3.0405080	20	—	—
464104 2014 WP_{411}	16.0	X	10.87447	142.47514	252.72762	17.19976	0.1018838	0.16947975	3.2338821	20	12 20.7	20.2
464105 2014 WV_{421}	16.4	X	88.65172	273.15456	103.66572	11.08014	0.1880724	0.20184801	2.8781919	20	—	—
464106 2014 WM_{424}	16.3	X	17.20857	342.65083	91.95950	12.29181	0.1306220	0.17945684	3.1128824	20	—	—
464107 2014 WA_{428}	15.7	X	307.14484	92.46804	125.16689	13.53473	0.0447275	0.19464944	2.9487228	20	2 7.9	19.8
464108 2014 WU_{434}	17.1	X	54.04979	256.18775	186.42772	4.82175	0.0662090	0.21351059	2.7724035	20	1 10.1	20.7
464109 2014 WH_{435}	16.9	X	64.47689	68.26906	356.41609	15.00191	0.2223138	0.21239008	2.7821459	20	1 27.1	20.1
464110 2014 WV_{447}	17.5	X	77.45520	64.22395	349.39129	3.87538	0.0665202	0.21028717	2.8006630	20	1 8.4	21.1
464111 2014 WH_{449}	17.0	X	123.06829	17.71304	15.16588	6.26302	0.0415324	0.22178542	2.7030084	20	2 6.8	20.7
464112 2014 WW_{454}	16.6	X	115.86952	257.38254	126.55874	15.33404	0.1591228	0.22263765	2.6961061	20	1 31.9	20.4
464113 2014 WN_{455}	16.2	X	29.37181	277.72602	115.29271	17.27627	0.2582396	0.18458600	3.0549460	20	—	—
464114 2014 WT_{458}	17.2	X	306.82794	143.40803	45.04806	4.18978	0.0535974	0.21184708	2.7868979	20	—	—
464115 2014 WE_{459}	17.6	X	327.04414	271.23752	34.00104	4.60534	0.1604870	0.29003202	2.2603312	20	6 18.1	19.5
464116 2014 WF_{459}	17.4	X	177.09838	335.41673	16.01784	2.33881	0.0395611	0.23237548	2.6202487	20	2 16.4	21.0
464117 2014 WG_{465}	17.3	X	196.45430	155.64387	259.07776	6.47972	0.0873447	0.26991903	2.3712666	20	5 29.3	20.7
464118 2014 WC_{468}	15.5	X	278.01323	111.85154	353.15945	4.08261	0.1751491	0.12498119	3.9619252	20	10 12.5	20.8
464119 2014 WJ_{468}	15.4	X	76.31517	46.90237	337.27578	13.21674	0.1963523	0.17077287	3.2175364	20	—	—
464120 2014 WX_{469}	16.0	X	262.10719	278.45933	261.00218	9.96589	0.0593290	0.18527167	3.0474041	20	—	—
464121 2014 WG_{470}	16.3	X	305.62094	204.30135	290.20621	7.44892	0.0560966	0.18089118	3.0964052	20	—	—
464122 2014 WZ_{470}	16.0	X	45.63316	355.92619	56.25781	10.69683	0.0318220	0.19226727	2.9730290	20	—	—
464123 2014 WZ_{475}	16.4	X	20.75763	358.57139	48.80030	11.15093	0.0393164	0.18181816	3.0858718	20	—	—
464124 2014 WD_{478}	15.7	X	33.04246	249.59771	176.63718	8.45496	0.1045671	0.17415798	3.1757072	20	—	—
464125 2014 WO_{486}	17.0	X	203.72141	279.07017	47.78979	3.01499	0.0639542	0.22968632	2.6406609	20	2 17.4	20.8
464126 2014 WK_{488}	16.5	X	234.26700	345.76390	247.73642	6.39955	0.1566624	0.19605347	2.9346278	20	—	—
464127 2014 WG_{490}	16.1	X	320.56196	323.84786	168.21168	11.64203	0.0999213	0.18295766	3.0730455	20	—	—
464128 2014 WV_{492}	16.3	X	23.73754	96.27594	317.68759	20.79090	0.1738810	0.17620630	3.1510485	20	—	—
464129 2014 WC_{493}	16.1	X	2.71030	112.67842	314.01843	15.69181	0.2512637	0.17331922	3.1859446	20	—	—
464130 2014 WG_{495}	16.2	X	105.85305	271.00363	152.30686	10.66336	0.0305107	0.20221262	2.8747310	20	2 22.1	20.0
464131 2014 WH_{497}	16.3	X	34.23953	52.13176	44.18236	15.78931	0.0762177	0.22305201	2.6927661	20	—	—
464132 2014 WP_{498}	17.2	X	179.56988	310.81217	69.27565	7.62332	0.1370648	0.25445606	2.4663849	20	3 31.6	21.1
464133 2014 WY_{498}	16.8	X	148.91679	322.60802	64.64369	9.66174	0.2150670	0.23738614	2.5832463	20	3 18.9	21.1
464134 2014 WF_{503}	16.6	X	104.53036	271.10766	105.68439	10.45015	0.1653301	0.21390557	2.7689895	20	1 11.3	20.3
464135 2014 WK_{504}	17.0	X	147.13837	305.68392	83.56253	14.53986	0.1844750	0.24224596	2.5485805	20	3 19.8	21.3
464136 2014 WV_{504}	15.9	X	46.52722	241.18689	121.12290	20.61508	0.2753083	0.18444345	3.0565199	20	—	—
464137 2014 WA_{506}	16.0	X	335.79552	353.99211	77.16847	14.21210	0.1430046	0.17766612	3.1337641	20	12 18.0	19.5
464138 2014 XC_{1}	16.1	X	171.04391	350.23089	19.57883	10.14138	0.2803359	0.24332139	2.5410655	20	3 16.3	20.6
464139 2014 XO_{1}	17.1	X	174.76247	90.27053	319.68597	7.41233	0.0493579	0.25144686	2.4860236	20	4 24.0	20.7
464140 2014 XU_{2}	17.0	X	44.03946	161.05575	349.86918	9.51265	0.0509880	0.23115440	2.6294683	20	3 20.8	20.3
464141 2014 XW_{4}	16.5	X	319.17690	40.76512	61.41881	16.01907	0.2003469	0.17249072	3.1961382	20	12 25.6	20.1
464142 2014 XD_{5}	16.5	X	183.29489	311.94465	9.41518	6.23466	0.0640566	0.22436538	2.6822473	20	1 20.4	20.5
464143 2014 XK_{12}	17.3	X	120.08814	277.89735	252.29759	5.50999	0.0432340	0.28635197	2.2796557	20	8 2.2	20.2
464144 2014 XC_{16}	17.5	X	338.62095	127.94150	77.94539	6.30945	0.0175161	0.23432412	2.6057019	20	3 6.0	20.9
464145 2014 XF_{19}	16.5	X	195.83953	34.07281	314.67139	6.38939	0.2063248	0.24631506	2.5204344	20	3 3.7	20.7
464146 2014 XJ_{26}	16.7	X	352.98893	331.07139	108.68198	17.13370	0.2786062	0.18027737	3.1034297	20	—	—
464147 2014 XX_{27}	17.2	X	81.66330	38.99696	54.46060	1.88321	0.0651613	0.23008866	2.6375816	20	3 2.5	20.4
464148 2014 XY_{29}	16.9	X	113.75088	105.43429	266.75211	3.49756	0.1244474	0.21095802	2.7947225	20	1 11.3	20.8
464149 2014 YF_{5}	15.7	X	71.08080	93.52504	298.65881	9.86091	0.0918269	0.18018749	3.1044616	20	—	—
464150 2014 YN_{5}	15.5	X	245.78042	175.74611	102.59569	16.51472	0.1119792	0.20495316	2.8490472	20	2 3.4	20.0
464151 2014 YB_{10}	16.1	X	175.57067	124.08582	236.57484	3.03064	0.3152105	0.24169499	2.5524522	20	3 5.9	20.8
464152 2014 YF_{22}	15.9	X	108.99805	244.32991	117.28523	8.80644	0.1059584	0.18040329	3.1019854	20	—	—
464153 2014 YO_{22}	16.2	X	99.83607	326.84856	13.32360	15.52692	0.1000520	0.17888479	3.1195152	20	—	—
464154 2014 YN_{25}	17.1	X	7.89977	355.62555	222.36118	2.24947	0.0538219	0.24025381	2.5626494	20	4 28.0	20.1
464155 2014 YW_{35}	17.3	X	107.91118	95.77946	339.05142	2.59755	0.0564419	0.23244176	2.6197506	20	3 10.4	20.8
464156 2014 YK_{36}	16.8	X	258.08165	238.72375	25.78879	4.68857	0.0310717	0.21395907	2.7685280	20	2 6.3	20.7
464157 2014 YE_{38}	15.9	X	149.75827	225.96037	89.54987	9.47793	0.1775532	0.18376851	3.0639993	20	—	—
464158 2014 YW_{48}	16.7	X	86.00923	339.64947	117.87380	9.29586	0.1184032	0.22663518	2.6643084	20	3 25.7	20.2
464159 2015 AC_{1}	16.9	X	52.62213	333.54484	115.85925	13.96387	0.1884753	0.21685109	2.7438581	20	1 28.1	19.6
464160 2015 AQ_{1}	15.2	X	169.05536	31.48352	208.09465	21.63459	0.0738425	0.16226102	3.3290980	20	12 8.5	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464161 2015 AE_2	16.1	X	255.66321	29.38010	167.89007	11.06121	0.1082689	0.18143072	3.0902634	20	—	—
464162 2015 AQ_{17}	15.6	X	359.45568	292.33050	139.90587	11.23948	0.0604067	0.17891421	3.1191732	20	—	—
464163 2015 AB_{27}	16.1	X	58.76418	302.53887	110.88602	18.02033	0.0425522	0.18527933	3.0473201	20	—	—
464164 2015 AF_{27}	17.0	X	21.45922	175.35247	106.27876	5.00046	0.1950519	0.27802036	2.3249751	20	9 18.9	19.2
464165 2015 AB_{29}	15.8	X	62.44784	99.06893	297.52173	14.59487	0.0374096	0.17827218	3.1266576	20	—	—
464166 2015 AT_{30}	15.6	X	207.65294	147.30352	113.22514	28.84007	0.1782978	0.17412312	3.1761311	20	—	—
464167 2015 AL_{31}	16.2	X	90.78618	274.19955	112.72306	10.73815	0.0929655	0.19063441	2.9899816	20	—	—
464168 2015 AC_{38}	16.8	X	162.71576	28.21699	321.75826	3.54777	0.1421792	0.20941555	2.8084288	20	2 8.1	21.2
464169 2015 AL_{46}	16.4	X	18.89641	231.91530	151.60198	2.31895	0.1901261	0.17909786	3.1170405	20	—	—
464170 2015 AA_{57}	17.1	X	18.91906	187.72199	110.27061	6.74996	0.1591104	0.29040514	2.2583947	20	10 7.0	19.4
464171 2015 AA_{63}	16.5	X	204.21824	120.52779	200.06089	2.93058	0.0853774	0.21395453	2.7685671	20	2 9.7	20.8
464172 2015 AM_{64}	16.5	X	114.36262	261.90675	144.38158	5.12478	0.0768272	0.21210810	2.7846111	20	2 16.9	20.3
464173 2015 AS_{94}	16.0	X	3.64370	298.14304	108.43089	17.66265	0.1056588	0.17353395	3.1833159	20	12 27.4	20.0
464174 2015 AN_{126}	15.2	X	104.52187	216.17899	125.43337	20.13462	0.1783600	0.17207157	3.2013266	20	—	—
464175 2015 AT_{136}	16.4	X	128.11083	281.31803	107.37729	4.76992	0.1066882	0.20905037	2.8116985	20	2 16.7	20.4
464176 2015 AN_{140}	16.9	X	211.07531	348.78635	332.60794	3.74823	0.1952553	0.21719482	2.7409624	20	2 16.8	21.5
464177 2015 AX_{162}	15.6	X	240.60777	124.58168	125.84938	27.92335	0.2280585	0.17393225	3.1784543	20	—	—
464178 2015 AH_{169}	16.8	X	26.82224	38.90936	109.32445	5.02236	0.0455448	0.20822857	2.8190915	20	2 26.9	20.4
464179 2015 AV_{178}	15.5	X	150.94756	207.90097	119.36150	18.45667	0.1624703	0.18247493	3.0784628	20	1 6.7	20.4
464180 2015 AA_{179}	17.0	X	180.09670	32.62422	16.75194	2.33485	0.1321254	0.24412163	2.5355093	20	5 4.3	20.9
464181 2015 AT_{203}	15.5	X	79.88556	292.11546	92.06666	17.13832	0.0782521	0.18111539	3.0938493	20	—	—
464182 2015 AL_{207}	16.9	X	130.97671	241.88987	114.56376	6.65304	0.1753738	0.22221599	2.6995156	20	1 17.0	20.8
464183 2015 AQ_{230}	16.0	X	268.97331	37.63858	174.79626	9.78946	0.0388560	0.17402930	3.1772725	20	—	—
464184 2015 AR_{250}	16.1	X	198.57800	331.37535	2.87327	14.11369	0.0940427	0.21732369	2.7398787	20	2 25.4	20.4
464185 2015 AX_{250}	16.0	X	313.09154	178.78969	56.16909	13.44157	0.0324387	0.21663750	2.7456613	20	3 14.2	19.9
464186 2015 AO_{269}	15.6	X	254.74639	258.74802	302.28391	9.36300	0.0545794	0.17270121	3.1935408	20	—	—
464187 2015 AN_{274}	16.5	X	71.45227	325.73678	104.87576	12.30040	0.0795671	0.19505779	2.9446060	20	1 26.0	20.3
464188 2015 BU_{1}	16.0	X	242.50712	61.77027	62.16246	4.63018	0.2090051	0.12661812	3.9277044	20	9 24.3	21.9
464189 2015 BW_{1}	15.8	X	51.08053	85.12421	307.87701	15.27352	0.0988884	0.17389079	3.1789595	20	—	—
464190 2015 BB_{10}	15.3	X	120.10528	233.47366	98.58285	15.42653	0.1261910	0.17634795	3.1493609	20	—	—
464191 2015 BF_{10}	17.3	X	30.57504	236.19609	50.36392	4.14017	0.1719427	0.28577340	2.2827316	20	10 7.9	19.8
464192 2015 BJ_{10}	16.6	X	135.46670	261.85293	92.31984	10.94444	0.0485144	0.19466876	2.9485277	20	1 8.0	20.8
464193 2015 BY_{16}	16.1	X	35.88506	137.41892	301.14289	8.23299	0.0615426	0.17930798	3.1146049	20	—	—
464194 2015 BD_{19}	16.1	X	250.47706	179.81128	51.38427	5.05272	0.1477386	0.18307870	3.0716908	20	—	—
464195 2015 BZ_{31}	15.9	X	62.35938	91.95997	293.25825	11.51497	0.1733210	0.17535507	3.1612378	20	—	—
464196 2015 BN_{37}	16.3	X	21.16501	302.74784	100.92873	6.02717	0.1544189	0.17748050	3.1359487	20	—	—
464197 2015 BJ_{38}	16.7	X	215.99999	15.13617	4.76748	6.14615	0.1375754	0.25310069	2.4751822	20	4 30.5	20.6
464198 2015 BN_{38}	16.4	X	174.60279	23.45176	332.21415	11.40275	0.2005381	0.22314244	2.6920385	20	2 26.4	20.9
464199 2015 BO_{42}	17.0	X	147.83755	208.69908	181.71547	5.05511	0.2470969	0.23859485	2.5745145	20	3 18.8	21.3
464200 2015 BN_{67}	16.7	X	154.75902	314.40263	84.34600	8.07746	0.1836014	0.22723783	2.6595957	20	4 4.6	21.1
464201 2015 BU_{82}	15.6	X	213.78254	34.82059	235.60257	8.36165	0.1127657	0.18173691	3.0867915	20	—	—
464202 2015 BW_{83}	16.8	X	225.79728	270.92871	28.86325	5.71650	0.0952161	0.20654407	2.8343984	20	2 10.4	21.2
464203 2015 BC_{87}	16.3	X	80.72229	301.58209	131.71622	10.52759	0.0211806	0.19361668	2.9591992	20	2 2.9	20.2
464204 2015 BF_{87}	16.1	X	60.00651	275.35464	123.45070	6.75802	0.1922125	0.17506723	3.1647020	20	—	—
464205 2015 BO_{100}	15.9	X	50.23921	299.48731	139.20639	11.96449	0.1196426	0.18350605	3.0669200	20	1 10.2	19.8
464206 2015 BE_{116}	15.9	X	245.18012	246.30583	231.55961	5.07667	0.2170731	0.12499645	3.9616027	20	9 14.8	22.0
464207 2015 BF_{117}	15.9	X	67.91471	111.22282	280.95780	17.22303	0.1769497	0.18359371	3.0659438	20	—	—
464208 2015 BO_{123}	15.1	X	149.53516	352.75948	315.77233	19.80169	0.0723021	0.16756111	3.2585213	20	—	—
464209 2015 BL_{126}	16.5	X	35.87186	20.11973	73.30966	1.99367	0.0153067	0.18402033	3.0612034	20	1 3.5	20.6
464210 2015 BJ_{162}	16.6	X	256.36934	239.85310	85.00198	7.91024	0.1952756	0.23547239	2.5972239	20	4 2.9	20.7
464211 2015 BW_{165}	15.7	X	235.46657	151.40433	349.09260	2.14987	0.1485968	0.12434419	3.9754447	20	10 9.9	21.5
464212 2015 BO_{169}	16.6	X	74.48063	337.52905	43.72855	0.39685	0.1702875	0.17574491	3.1565612	20	—	—
464213 2015 BD_{171}	17.3	X	261.69258	198.70949	132.17886	6.11827	0.1132649	0.23820271	2.5773392	20	4 24.1	20.9
464214 2015 BG_{204}	17.0	X	226.47240	145.22015	177.38806	5.96896	0.0175440	0.21645508	2.7472037	20	3 10.6	20.9
464215 2015 BQ_{207}	16.4	X	122.31065	270.33153	118.83864	7.12912	0.1518143	0.22127464	2.7071664	20	2 14.9	20.2
464216 2015 BM_{208}	15.9	X	13.21323	346.44722	85.76205	7.14864	0.1481222	0.18265900	3.0763943	20	—	—
464217 2015 BK_{209}	15.5	X	355.60913	335.58024	113.28916	10.67533	0.0822494	0.17964910	3.1106610	20	—	—
464218 2015 BQ_{214}	17.0	X	20.74551	148.35032	58.49956	2.91805	0.0786173	0.23933479	2.5692054	20	5 4.2	19.8
464219 2015 BF_{218}	16.5	X	0.48654	98.93584	351.30555	8.19267	0.0681247	0.17516920	3.1634736	20	—	—
464220 2015 BK_{221}	16.7	X	270.09518	306.16115	317.15606	9.59915	0.1374050	0.21136642	2.7911213	20	2 5.4	20.8
464221 2015 BX_{225}	16.2	X	210.13979	302.88070	314.72855	6.00694	0.1287455	0.17638697	3.1488965	20	—	—
464222 2015 BW_{233}	15.3	X	121.18527	254.05192	92.48813	22.77357	0.0526911	0.18311989	3.0712302	20	—	—
464223 2015 BB_{242}	16.6	X	270.31839	70.88324	232.50256	3.23581	0.0826312	0.22670647	2.6637499	20	3 30.5	20.4
464224 2015 BP_{242}	16.5	X	321.68284	355.91704	215.03492	5.23829	0.0131689	0.20535471	2.8453319	20	2 17.9	20.5
464225 2015 BA_{243}	16.2	X	23.13915	297.09918	156.86600	11.38238	0.0162831	0.17783130	3.1318232	20	—	—
464226 2015 BZ_{264}	17.3	X	293.15457	228.29573	73.18157	7.53352	0.2040443	0.24588560	2.5233684	20	4 11.4	20.6
464227 2015 BH_{286}	16.3	X	143.16659	159.85562	231.37212	9.76729	0.1084255	0.21504479	2.7592016	20	3 1.5	20.7
464228 2015 BX_{296}	17.1	X	82.53268	344.41192	155.97607	15.27066	0.1908906	0.22342905	2.6897358	20	5 27.8	21.1
464229 2015 BN_{320}	15.7	X	123.37770	31.02602	330.40935	9.30464	0.0663878	0.18320259	3.0703058	20	1 8.3	20.2
464230 2015 BK_{326}	16.0	X	88.08890	12.85726	12.48337	3.70392	0.1142674	0.17928570	3.1148630	20	—	—
464231 2015 BQ_{348}	16.0	X	166.76045	5.70548	320.21373	11.69162	0.0218601	0.19572816	2.9378785	20	1 8.8	20.3
464232 2015 BC_{360}	16.4	X	245.78713	320.97706	334.09627	6.53040	0.0858429	0.22012053	2.7166208	20	2 22.3	20.2
464233 2015 BK_{373}	16.9	X	272.98401	210.99874	80.45685	6.24924	0.0650539	0.23017858	2.6368947	20	3 25.1	20.5
464234 2015 BL_{412}	16.9	X	292.57379	187.49162	126.56466	9.10512	0.1996746	0.23702695	2.5858553	20	4 29.4	20.4
464235 2015 BY_{449}	16.3	X	226.27595	192.76154	119.84259	7.69516	0.1863469	0.19382222	2.9571068	20	2 22.5	21.2
464236 2015 BJ_{511}	16.0	X	275.22565	354.16946	223.70311	3.81170	0.1027705	0.17789982	3.1310191	20	—	—
464237 2015 CO_{1}	15.8	X	86.28555	262.29147	138.99720	16.40688	0.1539064	0.18473869	3.0532625	20	1 20.7	19.9
464238 2015 CK_{5}	15.8	X	13.19831	287.37963	148.13735	5.10192	0.1692392	0.17153864	3.2079535	20	—	—
464239 2015 CR_{10}	15.7	X	276.84640	173.09620	351.61693	10.04199	0.0184777	0.15458099	3.4384706	20	—	—
464240 2015 CN_{20}	16.4	X	31.01411	65.19933	350.77660	4.31318	0.1713142	0.17508435	3.1644956	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464241 2015 CY_{20}	15.4	X	78.08372	69.71742	331.65115	14.61734	0.0353691	0.17592063	3.1544589	20	—	—
464242 2015 DU_{13}	16.1	X	191.76732	104.67656	183.91456	1.68221	0.1343860	0.17700240	3.1415932	20	—	—
464243 2015 DG_{65}	16.7	X	199.54025	218.22980	139.52620	8.38586	0.0771912	0.21399182	2.7682455	20	3 24.8	20.9
464244 2015 DB_{100}	16.5	X	272.26730	4.25034	270.44513	3.16122	0.0281962	0.21483309	2.7610139	20	3 4.1	20.3
464245 2015 DR_{109}	16.2	X	190.65930	286.70077	30.10295	10.77528	0.0997418	0.18957032	3.0011600	20	1 30.4	21.0
464246 2015 DY_{114}	15.5	X	179.13940	223.19672	68.72930	8.56671	0.0853052	0.17093867	3.2154555	20	—	—
464247 2015 DW_{142}	17.2	X	284.95272	127.31948	228.08908	6.19007	0.1334892	0.27108419	2.3644670	20	6 22.5	19.9
464248 2015 DJ_{143}	16.1	X	67.29230	149.41895	243.66670	4.14785	0.1519954	0.18085363	3.0968338	20	—	—
464249 2015 DH_{148}	16.2	X	167.33190	141.38022	159.82321	9.44092	0.0571623	0.17353433	3.1833113	20	—	—
464250 2015 DQ_{149}	16.3	X	55.21135	246.80873	177.33201	9.14263	0.0939458	0.18616039	3.0376976	20	—	—
464251 2015 DF_{150}	14.9	X	247.53109	203.13792	278.67745	11.88254	0.1139692	0.12539775	3.9531462	20	9 29.9	20.8
464252 2015 DG_{150}	16.0	X	64.73254	156.20561	237.40578	7.87739	0.0864156	0.17485549	3.1672562	20	—	—
464253 2015 DV_{156}	15.6	X	299.24144	44.78496	285.00967	12.64487	0.2788420	0.24503128	2.5292302	20	5 9.9	19.0
464254 2015 DH_{193}	15.8	X	283.23068	156.70393	41.92105	11.24517	0.0098195	0.18340435	3.0680538	20	—	—
464255 2015 DP_{216}	15.9	X	26.26195	309.90483	172.84882	10.12611	0.0715044	0.18582595	3.0413412	20	1 25.3	19.9
464256 2015 EN_{1}	15.8	X	124.18842	229.03334	163.61231	16.47373	0.0180981	0.18630376	3.0361389	20	2 5.7	20.2
464257 2015 EY_{11}	15.8	X	133.96357	257.24117	112.13410	10.70011	0.0891886	0.19098669	2.9863038	20	1 30.6	20.2
464258 2015 FB_{2}	16.2	X	94.56179	333.40045	80.15812	10.90839	0.0750170	0.19206017	2.9751658	20	2 6.5	20.4
464259 2015 FM_{2}	15.9	X	112.39271	284.82644	81.26027	9.61253	0.0989931	0.17642505	3.1484434	20	1 5.2	20.3
464260 2015 FR_{2}	15.6	X	257.49950	146.85639	92.92135	10.29596	0.0211749	0.18021748	3.1041172	20	1 11.3	20.1
464261 2015 FE_{3}	16.4	X	269.84369	104.78620	121.05180	17.60258	0.1404502	0.17244417	3.1967134	20	—	—
464262 2015 FW_{6}	15.8	X	227.44526	107.27293	150.07804	10.72212	0.0697876	0.17876977	3.1208531	20	—	—
464263 2015 FE_{53}	16.7	X	10.74560	321.92662	167.70738	9.62394	0.0797616	0.19189987	2.9768224	20	1 10.7	20.7
464264 2015 FW_{118}	16.0	X	144.29607	317.45122	87.63706	6.36357	0.0935668	0.21237843	2.7822476	20	3 26.3	20.2
464265 2015 FT_{125}	15.6	X	356.11836	293.22217	197.41650	13.33974	0.1301859	0.18180321	3.0860410	20	—	—
464266 2015 FK_{127}	15.9	X	102.52761	103.43625	273.46101	8.32654	0.0864227	0.17886994	3.1196879	20	1 3.7	20.1
464267 2015 FJ_{137}	16.2	X	145.20018	284.94110	176.84066	14.49965	0.0054909	0.22053491	2.7132167	20	5 29.9	20.2
464268 2015 FV_{140}	13.6	X	323.55797	9.55617	16.49458	31.68707	0.0253025	0.08227143	5.2356427	20	9 27.8	20.5
464269 2015 LC_{32}	16.2	X	265.18479	172.39242	300.86423	12.67793	0.0058399	0.24725067	2.5140721	20	11 21.3	19.7
464270 2015 RB_{31}	17.6	X	76.65664	168.57379	262.66143	4.24107	0.1221744	0.28394286	2.2925320	20	1 20.9	19.9
464271 2015 TO_{67}	18.0	X	206.70611	331.88982	4.64622	5.89730	0.2400346	0.31412136	2.1432413	20	2 25.1	21.5
464272 2015 UC_{66}	16.9	X	357.29111	248.19186	161.44939	13.32224	0.2030921	0.21279750	2.7785936	20	—	—
464273 2015 WU_{2}	16.9	X	38.39870	55.72185	55.74770	20.89330	0.2308260	0.24668052	2.5179445	20	1 30.1	19.4
464274 2015 WD_{10}	16.2	X	348.07633	251.80353	100.99304	8.36609	0.2830535	0.18143522	3.0902123	20	10 12.4	19.0
464275 2015 XG_{168}	15.9	X	309.04437	284.81460	163.95309	16.12076	0.2259068	0.17761012	3.1344228	20	11 21.9	19.5
464276 2015 XW_{245}	16.4	X	305.51072	293.32622	239.32507	7.58030	0.0919700	0.21174513	2.7877924	20	—	—
464277 2015 XY_{383}	15.0	X	278.30031	213.43724	308.95902	17.22597	0.1970086	0.17952126	3.1121376	20	—	—
464278 2015 YH_{4}	17.4	X	76.16972	355.49413	293.52297	17.03442	0.0858453	0.37564714	1.9023160	20	12 17.3	19.7
464279 2015 YY_{4}	16.2	X	328.33440	357.78652	102.67459	16.24117	0.1813644	0.18743219	3.0239407	20	—	—
464280 2015 YA_{9}	17.2	X	70.61623	291.20533	105.81419	3.70470	0.0786195	0.22404933	2.6847691	20	—	—
464281 2015 YJ_{9}	16.3	X	294.17505	321.31735	132.77514	1.96686	0.1545750	0.17357799	3.1827775	20	11 5.9	20.3
464282 2016 AU_{1}	16.7	X	243.55373	213.62992	41.41353	10.85578	0.1169443	0.22903457	2.6456681	20	—	—
464283 2016 AR_{26}	16.6	X	314.37848	344.85507	130.94588	10.78691	0.0542372	0.19333300	2.9620932	20	—	—
464284 2016 AA_{45}	16.6	X	167.45796	180.79940	110.30784	3.83777	0.0642293	0.21770415	2.7366857	20	—	—
464285 2016 AT_{54}	15.8	X	195.28748	122.46421	107.13508	2.56347	0.1791344	0.18122777	3.0925701	20	12 19.3	20.6
464286 2016 AB_{73}	16.2	X	304.94710	264.83840	187.43341	10.88451	0.0263679	0.16732631	3.2615689	20	11 29.6	20.8
464287 2016 AK_{73}	16.4	X	235.12445	332.19205	221.14549	6.80001	0.0961267	0.18144497	3.0901016	20	12 26.7	20.9
464288 2016 AV_{73}	15.8	X	13.86739	103.65856	295.31238	20.73118	0.1283787	0.18333413	3.0688371	20	—	—
464289 2016 AP_{74}	16.3	X	272.32086	266.77247	240.64292	8.24152	0.0856897	0.17707376	3.1407491	20	12 18.8	20.4
464290 2016 AH_{75}	16.5	X	289.00879	239.46399	257.60467	8.03411	0.0585117	0.18119781	3.0929110	20	—	—
464291 2016 AZ_{75}	18.2	X	135.50580	218.08948	211.47979	7.42725	0.0879375	0.27802907	2.3249266	20	4 7.4	21.3
464292 2016 AG_{78}	16.7	X	38.37594	248.70511	173.43177	6.50400	0.0462219	0.21319144	2.7751697	20	—	—
464293 2016 AE_{79}	17.5	X	81.96279	159.53888	283.85179	4.32367	0.1279642	0.25706461	2.4496715	20	2 21.1	20.2
464294 2016 AL_{93}	17.7	X	23.35190	34.33078	118.84310	6.04959	0.1234252	0.25445172	2.4664129	20	2 20.9	20.2
464295 2016 AS_{94}	16.3	X	228.25208	6.08770	162.22319	10.32338	0.0265810	0.16830563	3.2489046	20	11 27.8	21.1
464296 2016 AR_{95}	17.4	X	127.21882	64.69897	304.84199	1.74346	0.2593387	0.25118839	2.4877287	20	2 4.1	21.0
464297 2016 AV_{95}	18.2	X	155.54804	307.83442	112.78406	1.58028	0.0514601	0.28632952	2.2797749	20	4 17.5	21.1
464298 2016 AA_{98}	16.9	X	265.86004	276.35995	313.43348	10.28658	0.0750255	0.22639675	2.6661787	20	—	—
464299 2016 AP_{98}	17.4	X	32.53429	121.97122	304.62085	10.97750	0.2616671	0.22347201	2.6893911	20	—	—
464300 2016 AT_{98}	17.5	X	299.90759	208.75742	339.47641	3.39319	0.1212009	0.21913510	2.7247590	20	—	—
464301 2016 AR_{99}	17.0	X	221.06370	162.38834	56.14022	2.48610	0.0152716	0.19401761	2.9551211	20	—	—
464302 2016 AD_{100}	16.9	X	43.85101	314.50647	91.47480	5.70807	0.0538496	0.20506515	2.8480097	20	—	—
464303 2016 AG_{100}	16.7	X	79.19412	276.96164	101.69969	5.16770	0.0833871	0.21170860	2.7881131	20	—	—
464304 2016 AU_{100}	15.6	X	120.41185	351.16754	330.97448	12.06173	0.0993620	0.19922083	2.9034402	20	—	—
464305 2016 AY_{100}	16.9	X	340.88009	53.12304	80.89639	5.48789	0.0495091	0.21715508	2.7412967	20	—	—
464306 2016 AG_{101}	17.7	X	88.36838	42.21171	352.50274	4.55957	0.2459752	0.24063751	2.5599245	20	1 20.4	20.6
464307 2016 AG_{102}	16.0	X	37.92026	61.47725	323.59560	14.36294	0.0724383	0.19093092	2.9868853	20	—	—
464308 2016 AC_{103}	17.1	X	116.53860	282.45841	71.58667	5.88851	0.0628765	0.21710731	2.7416989	20	—	—
464309 2016 AX_{103}	15.8	X	317.84152	136.67888	333.94352	8.14560	0.0767435	0.18936568	3.0033218	20	—	—
464310 2016 AQ_{104}	17.4	X	14.43002	340.48926	104.41449	7.57118	0.1790919	0.21504093	2.7592346	20	—	—
464311 2016 AY_{104}	16.6	X	278.58679	132.87230	111.80207	14.05949	0.2215933	0.23055048	2.6340582	20	1 11.5	20.9
464312 2016 AD_{105}	17.0	X	86.31117	53.76456	320.71075	5.71441	0.1339209	0.21704971	2.7421839	20	—	—
464313 2016 AK_{105}	16.1	X	5.89967	58.93296	313.45600	25.58640	0.2525177	0.17334452	3.1856346	20	12 6.3	20.2
464314 2016 AP_{105}	17.8	X	81.99600	331.19369	107.14231	2.47546	0.1603389	0.25405475	2.4689815	20	2 22.4	20.4
464315 2016 AK_{106}	16.8	X	335.96875	348.45872	98.58847	4.75192	0.2177543	0.19310847	2.9643888	20	—	—
464316 2016 AP_{106}	16.8	X	89.24288	277.26970	66.18072	3.94944	0.0635794	0.19095635	2.9866201	20	—	—
464317 2016 AN_{107}	16.8	X	108.23536	354.79750	4.06919	6.00288	0.0673508	0.21411481	2.7671853	20	—	—
464318 2016 AQ_{107}	17.3	X	11.28905	16.69797	93.59786	7.12957	0.1038896	0.22228627	2.6989466	20	—	—
464319 2016 AS_{107}	17.8	X	108.02196	52.95138	45.52808	4.03260	0.0515017	0.27572305	2.3378717	20	4 8.3	20.7
464320 2016 AX_{107}	17.1	X	58.28118	298.15867	92.22969	7.51420	0.0617700	0.20238828	2.8730673	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464321 2016 AZ_{107}	16.9	X	183.89092	300.01672	3.60763	6.23267	0.0418500	0.22223498	2.6993619	20	—	—
464322 2016 AK_{108}	17.7	X	12.82790	181.35618	2.73739	6.22947	0.1059379	0.26191354	2.4193428	20	3 16.1	20.0
464323 2016 AR_{108}	17.8	X	138.22468	44.79679	353.53074	8.65930	0.2104467	0.27022793	2.3694592	20	3 14.8	21.2
464324 2016 AS_{108}	16.8	X	28.82584	101.80890	340.17279	12.25629	0.1651490	0.22156384	2.7048102	20	—	—
464325 2016 AA_{109}	16.3	X	237.52693	155.90399	348.98860	9.71174	0.0204603	0.15584540	3.4198474	20	11 3.8	21.3
464326 2016 AV_{109}	17.4	X	0.35530	231.67995	333.59258	7.32520	0.1118521	0.26471358	2.4022520	20	3 20.8	19.9
464327 2016 AB_{110}	17.4	X	352.24716	174.51114	29.90284	2.94940	0.1534689	0.25610326	2.4557980	20	3 5.3	19.6
464328 2016 AQ_{110}	17.5	X	8.96879	96.84607	27.96595	2.14792	0.0661830	0.22702566	2.6612525	20	—	—
464329 2016 AU_{110}	17.0	X	3.01743	167.98694	328.49508	5.89337	0.1636088	0.22966645	2.6408132	20	—	—
464330 2016 AH_{111}	17.0	X	335.49882	86.11475	30.84307	2.29097	0.0213889	0.19942983	2.9014113	20	—	—
464331 2016 AL_{111}	17.6	X	52.81327	34.16306	87.47748	3.48659	0.1455161	0.25394849	2.4696702	20	3 3.8	20.0
464332 2016 AU_{111}	16.5	X	111.89392	55.19786	325.40492	17.38660	0.1181254	0.23342176	2.6124129	20	1 18.8	20.1
464333 2016 AY_{111}	16.0	X	41.00147	260.95735	119.41651	20.62901	0.0414522	0.18115304	3.0934206	20	—	—
464334 2016 AZ_{111}	15.7	X	265.96702	65.84557	92.72974	6.31731	0.0898354	0.17856623	3.1232242	20	12 24.0	19.9
464335 2016 AD_{112}	16.7	X	157.47212	3.05745	306.21327	4.63086	0.0275459	0.21409187	2.7673829	20	—	—
464336 2016 AQ_{112}	17.6	X	13.78985	53.17333	63.43281	3.60319	0.1606593	0.23045533	2.6347831	20	—	—
464337 2016 AC_{113}	17.7	X	80.32791	126.82018	324.68435	3.92929	0.0665749	0.25614288	2.4555448	20	2 22.3	20.4
464338 2016 AL_{113}	17.0	X	185.65385	39.15053	329.57266	10.66923	0.1763582	0.28155206	2.3054918	20	3 15.2	20.7
464339 2016 AJ_{114}	17.0	X	283.06846	85.28602	79.36106	8.93052	0.0229534	0.19755723	2.9197170	20	—	—
464340 2016 AT_{114}	17.0	X	288.51036	143.88727	10.92387	4.57956	0.1381529	0.19124160	2.9836495	20	—	—
464341 2016 AH_{115}	16.6	X	61.97108	108.74930	315.80083	16.77921	0.1110268	0.22807743	2.6530647	20	1 2.4	19.8
464342 2016 AZ_{116}	17.2	X	11.14243	253.22732	304.57264	5.16376	0.0589046	0.26809124	2.3820322	20	3 30.0	20.0
464343 2016 AG_{118}	18.7	X	142.95198	95.45327	134.55685	23.82164	0.0810776	0.37018245	1.9209917	20	12 16.8	21.5
464344 2016 AL_{118}	16.6	X	318.61113	279.51485	221.72327	1.27113	0.0308092	0.20110252	2.8853004	20	—	—
464345 2016 AQ_{118}	17.9	X	49.84144	173.47776	284.00046	2.35358	0.1807811	0.24002454	2.5642810	20	1 26.6	20.2
464346 2016 AC_{119}	17.0	X	291.31891	21.44328	144.91369	3.13434	0.0595180	0.19709816	2.9242490	20	—	—
464347 2016 AK_{119}	16.8	X	286.71662	10.36547	125.65739	3.71871	0.1453971	0.17886665	3.1197261	20	12 19.1	20.5
464348 2016 AO_{120}	16.4	X	196.19118	309.36476	337.84324	5.66538	0.0279337	0.21398062	2.7683421	20	—	—
464349 2016 AP_{120}	16.7	X	283.84853	134.88358	356.21763	4.00511	0.0980304	0.17309736	3.1886664	20	12 11.9	20.9
464350 2016 AM_{121}	16.7	X	251.16047	66.96681	132.24751	10.36281	0.1035112	0.18765939	3.0214994	20	—	—
464351 2016 AF_{122}	16.4	X	19.64206	277.04974	145.99500	15.53510	0.0026122	0.18852327	3.0122620	20	—	—
464352 2016 AH_{122}	17.2	X	155.84989	61.58977	298.01547	3.52839	0.0500016	0.23712733	2.5851256	20	1 31.8	20.9
464353 2016 AM_{122}	18.5	X	152.62094	274.21772	134.63889	2.78509	0.1880470	0.27891069	2.3200247	20	4 10.0	22.1
464354 2016 AS_{122}	15.8	X	347.65867	90.16094	329.48506	11.55380	0.1566657	0.17647551	3.1478432	20	12 25.6	19.7
464355 2016 AV_{122}	15.9	X	283.46258	177.35050	324.25560	16.25481	0.1657706	0.17810170	3.1286526	20	12 19.1	20.0
464356 2016 AC_{123}	17.0	X	62.22167	317.68583	114.43383	4.09584	0.1111139	0.22892032	2.6465483	20	1 10.0	20.0
464357 2016 AG_{140}	17.7	X	19.99233	223.38572	199.87842	8.04396	0.2231864	0.21319466	2.7751417	20	—	—
464358 2016 AQ_{140}	16.7	X	358.88085	213.64938	218.59147	7.55132	0.2019703	0.20280694	2.8691121	20	—	—
464359 2016 AE_{141}	16.7	X	91.36657	227.03111	150.59454	14.97744	0.0896406	0.22165291	2.7040855	20	—	—
464360 2016 AF_{142}	17.2	X	14.87475	189.31954	218.68651	9.64495	0.0993209	0.19265121	2.9690777	20	—	—
464361 2016 AO_{142}	16.3	X	229.31730	344.51268	196.28900	9.36325	0.0845047	0.17260008	3.1947881	20	12 5.9	21.1
464362 2016 AM_{143}	16.7	X	230.74233	66.42530	215.87051	12.26495	0.2630630	0.23279274	2.6171167	20	1 12.2	21.5
464363 2016 AO_{147}	17.0	X	259.15316	83.65702	171.94230	14.72921	0.0719852	0.24225195	2.5485384	20	1 15.8	20.9
464364 2016 AB_{148}	15.6	X	343.20361	286.42027	124.41140	10.53651	0.0840056	0.18100512	3.0951057	20	12 4.7	19.7
464365 2016 AB_{149}	16.9	X	281.40850	315.42967	269.53658	12.45635	0.0992914	0.23065636	2.6332520	20	1 2.7	20.5
464366 2016 AB_{152}	16.3	X	168.82867	58.62231	182.03721	16.73003	0.1025389	0.17347193	3.1840747	20	12 11.8	21.5
464367 2016 AF_{154}	16.8	X	306.15806	271.21061	176.01483	15.35719	0.1654339	0.17514541	3.1637601	20	11 18.5	20.7
464368 2016 AO_{159}	17.6	X	35.80391	250.35480	214.62618	13.32560	0.1007628	0.23338330	2.6127000	20	1 6.5	20.8
464369 2016 AV_{171}	15.5	X	263.65218	265.65001	282.31936	13.56825	0.0962509	0.20397231	2.8581734	20	—	—
464370 2016 AP_{172}	15.7	X	334.71698	310.37377	114.20929	21.85123	0.0671925	0.17647093	3.1478977	20	12 9.9	20.1
464371 2016 AU_{172}	16.5	X	65.76091	357.38947	122.84466	11.51692	0.0409165	0.26400945	2.4065214	20	3 11.5	19.5
464372 2016 AY_{172}	16.9	X	292.84029	39.28439	93.29701	5.30317	0.2251491	0.18704877	3.0280716	20	12 18.4	19.9
464373 2016 AV_{173}	16.6	X	186.34698	48.43653	274.82521	13.11662	0.1505795	0.24210625	2.5495609	20	1 23.3	20.7
464374 2016 AX_{173}	17.1	X	19.88063	225.98634	180.80511	7.35425	0.2633255	0.20568716	2.8422652	20	—	—
464375 2016 AJ_{176}	15.6	X	193.96272	16.50499	270.22194	12.93990	0.2286911	0.19923833	2.9032701	20	—	—
464376 2016 AT_{176}	16.1	X	21.42821	207.30955	197.77542	13.15947	0.0075180	0.17879564	3.1205520	20	—	—
464377 2016 AC_{177}	16.8	X	316.53447	252.79266	193.01840	15.79658	0.2320015	0.17657068	3.1467119	20	11 30.8	20.2
464378 2016 AQ_{178}	16.6	X	19.32108	230.44217	218.38499	8.28820	0.1316881	0.21161452	2.7889394	20	—	—
464379 2016 AK_{183}	17.1	X	5.75617	231.08712	253.44823	8.44655	0.1456878	0.22225619	2.6991901	20	—	—
464380 2016 AW_{184}	17.8	X	102.02181	102.14753	327.44519	5.39224	0.1686995	0.26671145	2.3902406	20	3 8.1	20.8
464381 2016 AN_{185}	18.5	X	117.24313	330.21256	130.97302	6.46316	0.1262567	0.29098277	2.2554050	20	5 6.4	21.5
464382 2016 AC_{187}	15.9	X	296.16276	139.82206	311.21729	13.54632	0.1657405	0.17247632	3.1963161	20	10 27.4	20.2
464383 2016 AH_{187}	15.9	X	313.87210	327.48560	114.11446	12.21361	0.1109452	0.17580326	3.1558626	20	11 28.1	19.9
464384 2016 AL_{187}	15.8	X	311.35612	109.54515	323.99294	25.20922	0.2228000	0.17494556	3.1661691	20	10 16.5	19.9
464385 2016 AW_{187}	16.7	X	149.99655	189.55571	103.73847	3.21587	0.0464585	0.20422487	2.8558165	20	—	—
464386 2016 AE_{194}	15.8	X	94.98469	180.41246	117.95759	18.11220	0.1048448	0.17198495	3.2024013	20	12 9.7	20.9
464387 2016 BU_{1}	17.4	X	14.98231	231.74868	294.50784	1.39634	0.1212358	0.25425757	2.4676683	20	2 22.4	19.6
464388 2016 BQ_{2}	17.8	X	104.66467	18.62653	135.30523	6.78827	0.0416296	0.29689843	2.2253455	20	6 20.4	20.4
464389 2016 BS_{2}	17.8	X	51.93285	51.32388	151.59893	5.06783	0.1036375	0.29117083	2.2544337	20	6 24.0	20.1
464390 2016 BV_{4}	16.2	X	273.74916	358.62767	132.33449	16.26998	0.2158919	0.17540681	3.1606161	20	11 17.8	20.6
464391 2016 BW_{4}	17.2	X	287.15265	299.47848	175.64461	0.80495	0.1220498	0.17458785	3.1704923	20	11 25.2	21.3
464392 2016 BX_{4}	16.3	X	118.68510	43.21171	301.06820	5.75686	0.0324013	0.21234494	2.7825402	20	—	—
464393 2016 BA_{7}	16.2	X	275.94335	246.05392	277.70870	8.62245	0.1646265	0.17680890	3.1438849	20	—	—
464394 2016 BO_{7}	16.6	X	40.09981	178.08042	300.92207	13.14460	0.1103324	0.23423462	2.6063656	20	2 3.0	19.4
464395 2016 BP_{12}	17.3	X	21.44990	322.61027	120.65781	7.38924	0.2832352	0.22048267	2.7136453	20	—	—
464396 2016 BR_{12}	15.6	X	234.52994	230.29715	324.70934	25.56306	0.1720925	0.17273752	3.1930933	20	12 19.0	20.7
464397 2016 BF_{13}	15.7	X	144.58686	331.33953	293.38108	9.34303	0.0474861	0.17855679	3.1233343	20	12 16.9	20.5
464398 2016 BJ_{13}	16.7	X	2.09962	272.95961	158.11900	2.39230	0.0829277	0.20071844	2.8889800	20	—	—
464399 2016 BP_{13}	15.2	X	102.98137	295.66959	359.91117	17.59368	0.1286530	0.17263145	3.1944010	20	12 11.1	20.5
464400 2016 BB_{14}	16.5	X	103.70214	137.65839	316.77241	24.16743	0.2435344	0.28507367	2.2864655	20	4 8.2	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464401 2016 BV_{15}	15.7	X	317.15271	163.25858	295.35699	15.95352	0.0734130	0.18337688	3.0683602	20	12 25.9	19.8
464402 2016 BC_{18}	17.2	X	159.14089	182.47274	129.53599	7.29152	0.0337756	0.21643694	2.7473572	20	—	—
464403 2016 BL_{18}	17.4	X	331.59227	74.45289	132.73417	3.34262	0.1354778	0.25100073	2.4889685	20	2 5.1	20.2
464404 2016 BN_{18}	17.2	X	61.64019	264.20247	141.18703	3.64407	0.0977509	0.22204443	2.7009060	20	—	—
464405 2016 BO_{18}	17.5	X	3.65654	259.01417	294.78224	4.12759	0.1611614	0.26180741	2.4199966	20	3 6.8	19.7
464406 2016 BX_{18}	18.0	X	24.09532	17.07501	154.93526	1.79069	0.1244518	0.26591919	2.3949858	20	3 18.7	20.2
464407 2016 BL_{19}	16.2	X	2.22413	93.21320	323.88195	9.91477	0.0775654	0.18801653	3.0176720	20	—	—
464408 2016 BE_{20}	16.5	X	220.31463	129.67342	63.23971	1.83474	0.0344436	0.17733711	3.1376390	20	12 16.6	21.1
464409 2016 BH_{20}	16.7	X	248.42650	129.36874	44.84353	1.50210	0.1418968	0.17740338	3.1368575	20	12 12.9	21.1
464410 2016 BE_{21}	16.1	X	168.14577	335.36023	321.01660	3.34528	0.0815075	0.20839634	2.8175783	20	—	—
464411 2016 BU_{21}	15.7	X	282.27049	347.23345	132.16564	27.85600	0.1297905	0.17185215	3.2040509	20	11 30.0	20.4
464412 2016 BW_{21}	17.7	X	109.70756	86.15387	305.53823	1.22318	0.1808193	0.24670743	2.5177614	20	2 2.6	20.8
464413 2016 BH_{23}	17.5	X	40.17066	48.90325	82.89974	3.69455	0.1204484	0.25341217	2.4731535	20	2 21.7	19.9
464414 2016 BA_{24}	15.7	X	198.83037	253.27419	317.92327	10.04137	0.0859601	0.17364794	3.1819227	20	12 7.1	20.6
464415 2016 BE_{24}	17.4	X	325.98443	254.50507	335.75958	4.02113	0.0691846	0.26677184	2.3898798	20	3 6.6	20.1
464416 2016 BL_{24}	17.6	X	30.65647	201.47592	317.24997	7.28009	0.0491644	0.26174685	2.4203699	20	3 6.5	20.4
464417 2016 BH_{25}	17.7	X	74.26079	295.85741	165.79243	2.29778	0.1428804	0.25879467	2.4387419	20	3 9.5	20.4
464418 2016 BP_{25}	16.7	X	283.07732	173.53891	333.92008	12.05021	0.0432124	0.18913293	3.0057852	20	—	—
464419 2016 BY_{26}	16.8	X	317.21657	97.96745	325.79070	8.72183	0.2193399	0.17565696	3.1576148	20	10 27.8	20.4
464420 2016 BA_{27}	16.1	X	282.56291	158.68906	321.80869	9.57380	0.1086730	0.17641951	3.1485092	20	11 25.1	20.4
464421 2016 BU_{29}	16.4	X	322.08804	97.69844	331.91087	8.91809	0.2227427	0.17621680	3.1509234	20	11 16.6	19.8
464422 2016 BX_{29}	16.6	X	29.18957	47.39495	331.28099	9.00655	0.1114069	0.18020805	3.1042255	20	12 31.2	20.9
464423 2016 BD_{30}	16.6	X	119.86695	235.58824	108.30386	6.74642	0.0573046	0.20973766	2.8055527	20	—	—
464424 2016 BE_{30}	17.4	X	246.52708	171.85912	93.34759	4.55912	0.1080025	0.23250330	2.6192883	20	1 14.7	21.2
464425 2016 BH_{30}	16.1	X	217.82158	109.64576	87.80687	3.77617	0.0681731	0.17417918	3.1754495	20	12 14.3	20.7
464426 2016 BQ_{30}	16.7	X	56.29864	306.26046	104.03264	6.51216	0.1020680	0.21775807	2.7362338	20	—	—
464427 2016 BC_{31}	16.6	X	311.27294	87.92787	19.74837	10.33550	0.1998257	0.18751977	3.0229990	20	12 24.2	19.9
464428 2016 BN_{31}	16.2	X	2.93133	62.75421	346.55546	15.83298	0.0905665	0.18623413	3.0368957	20	—	—
464429 2016 BL_{32}	16.7	X	246.51954	166.36218	89.47088	9.94179	0.1380603	0.22066774	2.7121278	20	1 3.1	20.8
464430 2016 BE_{33}	18.1	X	56.44927	157.80628	284.12404	1.56087	0.1896124	0.23924225	2.5698679	20	1 18.8	20.4
464431 2016 BH_{33}	18.3	X	33.30801	91.74333	70.72195	1.71804	0.1324430	0.26253739	2.4155087	20	3 23.8	20.4
464432 2016 BJ_{33}	16.7	X	244.96385	197.84833	25.64757	1.74621	0.0613114	0.20646705	2.8351033	20	—	—
464433 2016 BU_{33}	17.9	X	32.36893	204.41516	318.04655	6.10134	0.0734251	0.26909155	2.3761253	20	3 14.4	20.4
464434 2016 BN_{34}	16.2	X	204.56755	315.78369	319.01261	8.13669	0.1285312	0.21980965	2.7191816	20	—	—
464435 2016 BQ_{34}	15.9	X	189.18477	170.78228	75.49207	6.65077	0.0970423	0.18524180	3.0477316	20	—	—
464436 2016 BE_{35}	15.7	X	182.23906	137.35102	118.81732	8.65475	0.0418066	0.18957008	3.0011626	20	—	—
464437 2016 BF_{35}	17.9	X	69.18788	156.19402	359.75158	3.97759	0.0837262	0.28350189	2.2949087	20	5 6.5	20.4
464438 2016 BP_{35}	17.3	X	139.61468	355.97253	90.89015	7.33660	0.0645425	0.28827946	2.2694829	20	5 6.9	20.2
464439 2016 BQ_{35}	16.2	X	49.11589	23.03104	354.01956	10.34260	0.1114294	0.19014995	2.9950581	20	—	—
464440 2016 BS_{35}	15.6	X	185.51730	129.13874	120.17177	17.08163	0.0424404	0.18395704	3.0619055	20	—	—
464441 2016 BU_{35}	17.4	X	69.23693	85.49464	342.33399	13.52448	0.1563384	0.23786410	2.5797846	20	1 23.3	20.3
464442 2016 BA_{36}	17.3	X	87.47785	75.29684	331.03737	14.88572	0.1158323	0.23374118	2.6100324	20	1 18.0	20.6
464443 2016 BB_{36}	17.8	X	134.95906	309.44162	107.79900	7.70314	0.1038679	0.26960801	2.3730899	20	3 28.6	21.1
464444 2016 BE_{36}	15.3	X	289.05033	140.71402	333.62980	13.48886	0.2102643	0.17324370	3.1868705	20	11 9.8	19.4
464445 2016 BF_{36}	16.3	X	347.76067	148.73972	335.57762	14.60868	0.0692812	0.21265008	2.7798776	20	—	—
464446 2016 BJ_{36}	16.8	X	241.68462	136.14764	40.88905	5.46559	0.2191500	0.16823668	3.2497922	20	11 25.9	21.7
464447 2016 BK_{36}	16.1	X	237.54667	92.81094	115.54905	12.13890	0.2596675	0.17725885	3.1385624	20	12 25.7	20.9
464448 2016 BP_{36}	17.2	X	0.63048	86.59317	110.90211	8.07355	0.0518782	0.26171555	2.4205629	20	3 21.1	20.1
464449 2016 BQ_{36}	16.1	X	306.67818	119.25825	332.29748	10.27967	0.2207101	0.17518687	3.1632609	20	11 12.9	19.7
464450 2016 BT_{36}	18.3	X	13.59395	89.92056	42.36141	2.93915	0.1909655	0.23509091	2.6000328	20	1 1.6	20.8
464451 2016 BA_{37}	16.8	X	319.66291	90.17528	7.00265	4.42965	0.0796170	0.18207315	3.0829900	20	12 26.3	20.8
464452 2016 BC_{37}	16.4	X	301.47067	3.14832	111.44673	10.61434	0.1468234	0.18038393	3.1022074	20	12 16.8	20.2
464453 2016 BB_{38}	16.8	X	204.75777	210.41297	60.47465	5.96226	0.1188284	0.21010916	2.8022447	20	—	—
464454 2016 BY_{38}	16.5	X	241.01268	189.25634	60.90413	11.87391	0.1126582	0.20909400	2.8113074	20	—	—
464455 2016 BR_{40}	16.1	X	331.46617	326.07794	122.42801	10.17367	0.0598194	0.18323841	3.0699057	20	—	—
464456 2016 BA_{41}	17.8	X	263.63563	267.23950	337.75773	3.66934	0.1335712	0.22816137	2.6524140	20	1 6.4	21.8
464457 2016 BJ_{41}	17.5	X	335.93337	276.41096	332.43231	8.30806	0.1805983	0.27245016	2.3565573	20	3 29.6	19.9
464458 2016 BR_{41}	15.7	X	12.99700	82.60824	323.82246	10.70099	0.0478644	0.18471071	3.0535708	20	—	—
464459 2016 BE_{42}	16.9	X	13.60550	6.28072	92.87148	5.51864	0.0357092	0.21569676	2.7536388	20	—	—
464460 2016 BP_{43}	16.9	X	292.73878	348.36233	136.76773	1.93469	0.1432239	0.18086926	3.0966554	20	12 15.7	20.7
464461 2016 BU_{43}	15.8	X	340.86197	119.59089	315.41153	10.55605	0.0781138	0.18248039	3.0784014	20	12 30.6	19.8
464462 2016 BX_{43}	16.7	X	348.07857	330.64386	129.70804	7.66335	0.2110036	0.20570101	2.8421376	20	—	—
464463 2016 BC_{44}	16.0	X	237.96878	57.38817	132.29906	10.64685	0.0516463	0.18128441	3.0919259	20	—	—
464464 2016 BH_{44}	18.5	X	134.78246	212.79075	224.08290	1.22128	0.0944886	0.28259443	2.2998190	20	4 17.7	21.5
464465 2016 BY_{44}	17.0	X	309.16972	36.75371	109.29720	3.23718	0.0108129	0.20316472	2.8657426	20	—	—
464466 2016 BZ_{45}	17.5	X	315.42124	348.55365	285.77154	5.39591	0.0797208	0.28051430	2.3111744	20	4 17.3	20.2
464467 2016 BV_{46}	17.0	X	356.13952	116.05802	302.30357	3.54172	0.0912700	0.18528506	3.0472572	20	—	—
464468 2016 BX_{46}	17.0	X	39.89197	276.07746	130.30879	2.93798	0.0635148	0.20358550	2.8617926	20	—	—
464469 2016 BE_{47}	15.9	X	8.60503	85.30822	317.27436	8.86008	0.0621533	0.18142517	3.0903264	20	12 26.9	20.2
464470 2016 BU_{47}	18.3	X	36.92684	20.87956	130.88549	2.20487	0.1285559	0.26009494	2.4306072	20	3 14.6	20.4
464471 2016 BX_{47}	16.2	X	234.06310	79.61186	128.79461	13.07669	0.0566956	0.19071052	2.9891861	20	—	—
464472 2016 BF_{48}	16.2	X	336.87987	95.12684	342.25447	8.31066	0.1070540	0.17972305	3.1098076	20	12 27.9	20.1
464473 2016 BY_{48}	17.0	X	57.12118	313.15076	94.75969	5.56350	0.1076074	0.21523356	2.7575881	20	—	—
464474 2016 BB_{49}	18.0	X	359.28623	287.42760	328.69128	4.53669	0.1321613	0.29727712	2.2234552	20	6 9.1	19.8
464475 2016 BG_{49}	17.0	X	76.51228	244.42001	135.88155	4.42515	0.1148123	0.21232311	2.7827309	20	—	—
464476 2016 BA_{51}	16.0	X	309.72000	332.62092	124.02316	18.80694	0.0565512	0.18303409	3.0721899	20	12 14.9	20.3
464477 2016 BC_{52}	18.8	X	62.25598	260.83300	247.57882	0.46861	0.1274441	0.27470229	2.3436596	20	4 22.6	21.0
464478 2016 BK_{52}	15.9	X	358.87091	254.30839	133.04026	23.08627	0.2144278	0.17747462	3.1360180	20	12 13.7	19.9
464479 2016 BS_{53}	16.5	X	289.75991	262.82658	236.46506	2.15191	0.0447268	0.18832081	3.0144205	20	—	—
464480 2016 BV_{53}	17.0	X	91.42130	247.63212	139.82571	12.89009	0.1416339	0.23055302	2.6340388	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464481 2016 BR_{54}	17.0	X	236.64015	75.14963	193.60530	2.39955	0.1784091	0.22558138	2.6725995	20	1 6.6	21.4
464482 2016 BS_{54}	17.9	X	23.19399	269.77290	291.27120	5.21303	0.2285560	0.27155636	2.3617254	20	5 7.1	19.5
464483 2016 BM_{55}	15.2	X	245.90091	238.51890	293.02342	9.90002	0.1829810	0.17326655	3.1865903	20	11 29.4	19.8
464484 2016 BK_{57}	16.9	X	138.33698	295.18063	33.67088	5.48345	0.0407285	0.21247163	2.7814339	20	—	—
464485 2016 BK_{59}	16.3	X	1.69787	269.06986	143.18041	9.62962	0.1911809	0.18744873	3.0237628	20	—	—
464486 2016 BY_{62}	16.7	X	65.18774	261.59823	126.35526	9.43805	0.1694207	0.21474110	2.7618023	20	—	—
464487 2016 BN_{63}	16.9	X	167.42536	356.69066	300.94223	1.70753	0.0240889	0.20859531	2.8157863	20	—	—
464488 2016 BS_{63}	16.5	X	199.38808	286.20340	309.44459	4.75254	0.1547003	0.17859444	3.1228953	20	12 31.7	21.4
464489 2016 BB_{64}	17.7	X	352.56834	256.19224	326.29663	0.92496	0.1304095	0.26919318	2.3755272	20	4 1.3	19.6
464490 2016 BO_{64}	16.8	X	18.19133	324.01534	148.44910	16.52920	0.2099966	0.22444818	2.6815876	20	—	—
464491 2016 BS_{64}	17.6	X	29.28484	130.18252	342.94685	1.89830	0.0838276	0.23280853	2.6169984	20	1 9.9	20.6
464492 2016 BJ_{68}	18.0	X	236.31091	254.51639	100.96964	4.51968	0.1789024	0.30102206	2.2049758	20	4 18.5	21.3
464493 2016 BB_{69}	16.9	X	4.55248	92.81143	317.19544	8.50929	0.1271362	0.18735180	3.0248057	20	—	—
464494 2016 BQ_{69}	17.6	X	260.66009	345.95813	330.27109	6.45963	0.2085129	0.28096056	2.3087264	20	3 16.8	21.1
464495 2016 BV_{69}	17.0	X	127.49468	227.04159	113.09728	5.58575	0.0726129	0.21298078	2.7769993	20	—	—
464496 2016 BZ_{69}	17.6	X	272.25844	173.06739	117.07502	6.95870	0.1146269	0.26694418	2.3888511	20	3 11.8	20.9
464497 2016 BL_{70}	17.1	X	149.30596	274.86673	61.84347	6.03903	0.0446285	0.22288496	2.6941113	20	—	—
464498 2016 BZ_{71}	15.7	X	142.17936	307.52186	329.33144	8.78290	0.0469996	0.17677436	3.1442944	20	12 28.8	20.4
464499 2016 BU_{72}	18.2	X	351.22197	156.06309	112.71529	3.41423	0.1240720	0.29889006	2.2154489	20	6 13.7	19.8
464500 2016 BC_{74}	16.0	X	59.95320	246.01768	101.25795	9.99539	0.0898455	0.17350856	3.1836265	20	12 25.1	20.6
464501 2016 BW_{75}	16.1	X	308.98720	337.57817	129.31322	17.52555	0.1554919	0.18035267	3.1025658	20	12 20.3	19.9
464502 2016 BX_{75}	18.3	X	222.55115	355.44025	31.18501	3.52280	0.0434860	0.30116605	2.2042730	20	5 24.8	20.9
464503 2016 BB_{77}	18.4	X	113.31311	12.92089	60.45810	2.59772	0.1305274	0.26611553	2.3938076	20	3 24.7	21.4
464504 2016 BF_{77}	16.7	X	53.87082	300.40897	112.86018	6.75321	0.0290658	0.20844534	2.8171367	20	—	—
464505 2016 BJ_{77}	17.2	X	260.36762	132.56706	92.26513	4.37165	0.0324663	0.21548324	2.7554575	20	—	—
464506 2016 BM_{77}	17.2	X	76.81923	3.67118	22.47284	4.69048	0.0821056	0.20983885	2.8046507	20	—	—
464507 2016 BP_{77}	16.4	X	87.85501	350.04141	342.82401	10.75045	0.0327955	0.17754519	3.1351869	20	—	—
464508 2016 BR_{77}	17.1	X	351.65444	291.13398	330.21466	22.11038	0.2856743	0.28041270	2.3117326	20	5 5.4	19.2
464509 2016 BS_{77}	16.5	X	184.63840	205.65607	90.03406	5.47817	0.0434472	0.21331168	2.7741267	20	—	—
464510 2016 BA_{78}	16.4	X	247.54222	188.97080	0.24571	8.67465	0.0369505	0.18490536	3.0514274	20	—	—
464511 2016 BO_{79}	17.9	X	281.69380	187.13981	96.61519	7.40046	0.1276432	0.26449489	2.4035760	20	3 14.3	21.2
464512 2016 BD_{80}	17.0	X	319.74121	106.80740	1.33450	7.41359	0.1866712	0.18840144	3.0135604	20	—	—
464513 2016 BJ_{80}	17.1	X	325.45893	104.15416	32.26487	6.52722	0.1474458	0.20480756	2.8503973	20	—	—
464514 2016 CN	16.8	X	317.76067	287.56809	154.18296	7.43466	0.1628766	0.17761437	3.1343727	20	12 1.7	20.4
464515 2016 CL_{1}	18.2	X	14.07886	38.44150	171.03163	5.28176	0.0930177	0.27866809	2.3213710	20	4 25.9	20.4
464516 2016 CN_{1}	16.5	X	44.30355	242.82202	152.04786	9.65271	0.0810820	0.19957135	2.9000395	20	—	—
464517 2016 CR_{1}	16.3	X	146.14670	56.04116	253.83273	5.01531	0.0457469	0.20355878	2.8620430	20	—	—
464518 2016 CN_{3}	17.0	X	298.03919	349.89410	281.84652	6.27274	0.0924180	0.27003690	2.3705765	20	3 16.5	20.1
464519 2016 CP_{4}	17.6	X	210.49506	191.83478	164.09891	5.09202	0.2156341	0.28538619	2.2847959	20	3 24.5	21.2
464520 2016 CE_{5}	16.4	X	174.04655	31.59939	262.75529	2.73366	0.0725693	0.20914142	2.8108825	20	—	—
464521 2016 CM_{8}	17.3	X	247.44206	25.01222	225.89416	1.11978	0.0208742	0.22794900	2.6540612	20	1 4.5	20.8
464522 2016 CW_{9}	19.0	X	125.05551	247.87106	247.48638	1.68410	0.1165379	0.30661153	2.1780962	20	6 29.7	22.0
464523 2016 CY_{11}	17.5	X	23.84342	285.23559	255.19593	1.57259	0.1305423	0.26387851	2.4073175	20	3 30.2	19.8
464524 2016 CR_{12}	16.5	X	313.20445	158.40685	316.56517	8.00534	0.0490197	0.18361277	3.0657316	20	—	—
464525 2016 CG_{13}	17.4	X	49.83886	343.77309	161.01610	6.89691	0.0422120	0.26273901	2.4142728	20	3 19.3	20.2
464526 2016 CJ_{13}	17.3	X	66.66657	227.51091	195.15454	2.40400	0.0885646	0.22747971	2.6577101	20	1 2.3	20.3
464527 2016 CX_{13}	16.7	X	270.42727	226.89315	305.22719	9.76799	0.0712960	0.18794444	3.0184436	20	—	—
464528 2016 CA_{15}	16.3	X	228.92408	72.53238	140.59111	14.21987	0.1172301	0.18230366	3.0803906	20	—	—
464529 2016 CZ_{15}	17.1	X	93.70733	94.77079	287.66458	2.72955	0.0847148	0.22252405	2.6970236	20	—	—
464530 2016 CT_{16}	17.4	X	191.53742	139.45469	204.03489	2.12457	0.0126308	0.25264470	2.4781595	20	2 18.3	20.7
464531 2016 CB_{17}	17.1	X	14.27895	289.06708	168.08511	4.61139	0.0300554	0.21175994	2.7876624	20	—	—
464532 2016 CW_{17}	16.5	X	134.61955	86.76073	262.32239	5.49501	0.1013979	0.22500507	2.6771612	20	1 2.1	20.1
464533 2016 CB_{18}	16.0	X	344.34044	128.34327	288.34363	5.33947	0.0683374	0.17046259	3.2214395	20	12 7.8	20.1
464534 2016 CZ_{19}	16.7	X	352.70134	256.12608	160.17321	6.42598	0.1523170	0.18593147	3.0401904	20	12 31.2	20.3
464535 2016 CX_{21}	16.6	X	48.70860	141.45555	267.00712	3.20227	0.0705118	0.21048856	2.7988764	20	—	—
464536 2016 CO_{22}	17.3	X	49.41514	5.57375	153.20046	6.27263	0.0666705	0.27074989	2.3664129	20	4 10.7	20.0
464537 2016 CG_{23}	16.2	X	287.19014	343.46823	149.26153	15.83585	0.2212666	0.17599796	3.1535348	20	12 7.7	20.2
464538 2016 CH_{23}	17.3	X	74.84501	170.40825	322.98838	6.27083	0.0754189	0.26730824	2.3866816	20	4 9.8	20.3
464539 2016 CT_{23}	15.9	X	341.53528	5.40156	80.61482	11.12096	0.0811346	0.19092866	2.9869088	20	—	—
464540 2016 CW_{23}	16.5	X	340.51008	64.66341	73.79902	9.70885	0.1042903	0.21645096	2.7472385	20	—	—
464541 2016 CF_{27}	16.8	X	350.52834	66.62882	352.27012	8.37218	0.1309121	0.18508439	3.0494594	20	12 29.7	20.6
464542 2016 CO_{32}	18.0	X	120.28771	284.68246	204.69537	4.59487	0.0902275	0.29626976	2.2284924	20	6 12.3	20.8
464543 2016 CU_{32}	15.9	X	265.65352	353.98154	162.94616	20.87699	0.0888362	0.17484752	3.1673525	20	12 21.9	20.6
464544 2016 CW_{32}	17.3	X	37.39749	229.91478	321.14821	5.46992	0.0618130	0.27446162	2.3450294	20	5 3.0	19.9
464545 2016 CP_{35}	17.8	X	67.91387	59.68793	17.42923	3.99345	0.1511367	0.24466694	2.5317405	20	1 29.2	20.5
464546 2016 CK_{36}	17.1	X	87.52566	314.29128	59.59930	0.89504	0.0870238	0.21379577	2.7699376	20	—	—
464547 2016 CL_{36}	17.9	X	358.38872	125.08731	357.48447	1.82545	0.1544197	0.22198808	2.7013630	20	—	—
464548 2016 CK_{37}	16.2	X	79.31033	268.34140	78.04488	3.69244	0.1051383	0.18816193	3.0161171	20	—	—
464549 2016 CC_{38}	17.9	X	47.87159	91.49558	118.44840	6.16383	0.0899133	0.29919005	2.2139677	20	6 26.1	20.1
464550 2016 CV_{38}	17.7	X	1.85152	289.67305	318.07374	6.19460	0.1606654	0.28967175	2.2622050	20	5 30.7	19.5
464551 2016 CG_{40}	17.1	X	303.14208	60.88515	127.78510	7.21913	0.0027333	0.22483072	2.6785450	20	—	—
464552 2016 CS_{40}	17.6	X	70.86574	305.33526	118.17825	3.73875	0.1155326	0.23362053	2.6109309	20	1 11.8	20.7
464553 2016 CU_{40}	16.4	X	92.87889	244.89146	125.08665	13.38088	0.1995813	0.21798391	2.7343436	20	—	—
464554 2016 CX_{40}	17.4	X	78.96599	327.44051	87.32939	4.52440	0.1479730	0.23684407	2.5871863	20	1 17.1	20.2
464555 2016 CW_{42}	17.0	X	178.85741	257.05388	37.21115	5.63141	0.0513494	0.21068885	2.7971022	20	—	—
464556 2016 CF_{43}	16.0	X	340.22731	340.93247	100.06648	11.76783	0.0246683	0.18001871	3.1064017	20	—	—
464557 2016 CN_{43}	16.9	X	31.35795	84.08094	356.33617	7.94170	0.0877961	0.21622677	2.7491372	20	—	—
464558 2016 CZ_{43}	17.3	X	226.19948	230.32345	107.20096	10.82268	0.2507085	0.27444440	2.3451276	20	3 18.1	21.5
464559 2016 CC_{44}	17.4	X	126.61069	345.20019	95.94759	6.79842	0.1603634	0.28054239	2.3110201	20	4 24.9	20.7
464560 2016 CS_{44}	17.0	X	26.89873	71.58307	46.19637	3.61949	0.0223854	0.23202797	2.6228643	20	1 13.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464561 2016 CC_{47}	17.5	X	138.53013	314.88213	99.66489	7.33600	0.1042768	0.27218911	2.3580638	20	3 29.1	20.8
464562 2016 CT_{48}	17.6	X	90.03686	329.93667	80.70860	3.39592	0.1318281	0.23905230	2.5712291	20	1 25.9	20.6
464563 2016 CX_{49}	16.7	X	4.98247	62.27485	36.18521	7.70989	0.0481349	0.20681108	2.8319582	20	—	—
464564 2016 CC_{50}	16.9	X	295.65507	105.47751	18.31324	7.45285	0.1515460	0.17933850	3.1142516	20	12 16.7	20.8
464565 2016 CZ_{51}	16.1	X	180.55923	176.18571	68.41110	6.37904	0.1176556	0.17052116	3.2207020	20	12 25.2	21.2
464566 2016 CE_{52}	16.2	X	246.90658	64.49964	124.09212	14.72721	0.1061329	0.18000246	3.1065887	20	—	—
464567 2016 CD_{56}	17.7	X	78.27002	84.61431	94.07052	4.92318	0.1146116	0.29541086	2.2328099	20	6 30.8	20.0
464568 2016 CP_{60}	15.4	X	171.83805	167.74351	102.85626	13.69330	0.0680824	0.18299218	3.0726590	20	—	—
464569 2016 CY_{63}	16.1	X	229.14609	179.83383	22.78630	10.57339	0.0544394	0.17587325	3.1550254	20	—	—
464570 2016 CQ_{64}	16.9	X	313.26074	96.10163	108.99902	12.58441	0.1250202	0.22819182	2.6521780	20	1 13.5	20.2
464571 2016 CS_{64}	16.2	X	90.30353	279.14638	66.04906	8.13081	0.1153686	0.18430205	3.0580831	20	—	—
464572 2016 CA_{66}	16.7	X	333.22894	82.48597	71.03770	8.54602	0.1658619	0.21371762	2.7706128	20	—	—
464573 2016 CY_{67}	16.3	X	155.85708	328.56554	345.62236	6.78222	0.0904754	0.20672639	2.8327317	20	—	—
464574 2016 CG_{69}	15.7	X	185.41451	212.34462	97.05458	14.68550	0.1511260	0.21305204	2.7763800	20	1 12.3	20.1
464575 2016 CW_{69}	15.4	X	174.66056	208.46099	54.54138	11.00984	0.0490532	0.17763896	3.1340835	20	—	—
464576 2016 CS_{70}	16.9	X	1.08871	71.11884	90.55453	14.35157	0.2207545	0.23291827	2.6161764	20	1 15.8	19.4
464577 2016 CN_{72}	18.7	X	32.68218	179.05595	84.70092	1.04533	0.0679010	0.31579900	2.1356441	20	8 23.4	20.7
464578 2016 CO_{72}	16.2	X	17.94745	256.28920	150.09163	17.14636	0.1606150	0.18202095	3.0835794	20	—	—
464579 2016 CW_{74}	16.4	X	306.32796	78.81631	11.76434	14.11211	0.1986738	0.17501106	3.1653791	20	11 12.4	20.1
464580 2016 CK_{76}	16.4	X	297.16476	94.78175	45.01130	8.81388	0.0761668	0.19112155	2.9848988	20	—	—
464581 2016 CD_{81}	16.2	X	146.53167	297.00389	356.35129	10.70850	0.0658474	0.18685919	3.0301194	20	—	—
464582 2016 CB_{89}	16.1	X	175.86101	196.21416	79.19100	11.43403	0.0653788	0.18787651	3.0191711	20	—	—
464583 2016 CE_{96}	16.0	X	142.22791	17.78950	271.39427	9.52589	0.1124346	0.18322184	3.0700908	20	—	—
464584 2016 CM_{97}	15.5	X	143.76697	14.82181	286.00379	12.26969	0.0358492	0.19405396	2.9547520	20	—	—
464585 2016 CT_{98}	18.7	X	112.06350	285.91410	187.42357	6.22358	0.1846550	0.28905687	2.2654120	20	5 23.1	21.8
464586 2016 CZ_{100}	16.5	X	355.90101	217.55346	280.54174	10.71568	0.0251761	0.22476679	2.6790529	20	—	—
464587 2016 CK_{103}	16.0	X	52.29508	106.67463	253.14798	8.14462	0.0668689	0.17554495	3.1589578	20	12 28.0	20.4
464588 2016 CW_{105}	17.2	X	329.44905	357.33930	268.61305	7.67298	0.1955840	0.27689350	2.3312788	20	4 9.3	19.7
464589 2016 CG_{106}	17.2	X	20.64785	206.25049	256.02476	6.25337	0.0684833	0.22069789	2.7118808	20	—	—
464590 2016 CH_{108}	17.5	X	143.88219	167.06017	201.90657	6.64308	0.0207957	0.23739094	2.5832114	20	1 23.9	21.0
464591 2016 CF_{109}	17.1	X	355.40425	253.49978	243.14675	5.10229	0.1136414	0.22314038	2.6920550	20	—	—
464592 2016 CY_{109}	17.1	X	275.69763	53.34812	196.04320	6.89625	0.1544048	0.23231076	2.6207354	20	1 19.2	21.2
464593 2016 CP_{110}	16.1	X	91.96889	57.38946	272.53874	9.00676	0.0750083	0.17700298	3.1415863	20	—	—
464594 2016 CK_{111}	16.7	X	173.91898	39.36868	284.53801	13.42894	0.1758020	0.22570078	2.6716569	20	1 17.6	21.0
464595 2016 CH_{112}	16.7	X	350.32924	182.36748	238.74964	8.03690	0.0739534	0.17586018	3.1551817	20	12 23.2	20.8
464596 2016 CS_{116}	16.8	X	120.99954	127.58776	214.12857	7.32221	0.0361683	0.20129736	2.8834383	20	—	—
464597 2016 CN_{119}	16.4	X	174.60553	97.35959	163.61086	16.12599	0.0158155	0.18349912	3.0669972	20	—	—
464598 2016 CB_{121}	16.5	X	177.84583	107.65013	167.46139	10.03818	0.0928374	0.18951132	3.0017829	20	—	—
464599 2016 CC_{121}	16.6	X	117.09780	82.04887	273.74570	6.50967	0.1718349	0.21395135	2.7685946	20	1 1.4	20.5
464600 2016 CH_{121}	18.1	X	17.26744	319.23648	281.23930	4.53531	0.1309116	0.29083269	2.2561808	20	6 22.8	19.8
464601 2016 CN_{123}	17.7	X	329.03090	73.39575	196.54112	4.76326	0.1511284	0.27985094	2.3148252	20	4 27.0	19.8
464602 2016 CU_{123}	16.6	X	327.81748	185.75257	288.04897	5.18509	0.0492749	0.19057564	2.9905963	20	—	—
464603 2016 CF_{128}	16.3	X	71.91104	160.30543	173.95268	10.55153	0.0565985	0.16909182	3.2388263	20	12 18.4	21.1
464604 2016 CR_{130}	17.0	X	313.68744	214.86861	243.64181	4.40384	0.1727378	0.17808981	3.1287918	20	12 14.4	20.5
464605 2016 CT_{134}	17.1	X	3.41144	26.65985	65.32398	6.59520	0.0437247	0.20428000	2.8553026	20	—	—
464606 2016 CE_{136}	17.5	X	356.86806	245.01930	110.75517	24.02241	0.0980159	0.36338123	1.9448871	20	12 9.0	19.6
464607 2016 CD_{138}	16.0	X	238.47961	262.01191	275.90264	3.35176	0.1036614	0.17271527	3.1933674	20	12 9.7	20.5
464608 2016 CG_{138}	17.3	X	57.27348	71.86864	342.15445	21.31807	0.1177136	0.22540401	2.6740014	20	—	—
464609 2016 CV_{138}	17.2	X	73.41918	103.85804	329.17111	6.50757	0.2652889	0.24169795	2.5524314	20	2 19.3	19.8
464610 2016 CW_{138}	18.6	X	354.71894	77.86760	330.42576	19.00318	0.1060035	0.39537286	1.8385050	20	—	—
464611 2016 CW_{139}	17.6	X	63.94796	163.71516	357.72865	8.51705	0.1645272	0.28076873	2.3097779	20	5 18.6	20.2
464612 2016 CJ_{140}	16.8	X	105.39479	130.20965	206.88589	12.04962	0.1143472	0.19672960	2.9279001	20	—	—
464613 2016 CG_{141}	16.3	X	302.62661	196.51629	291.10180	9.63272	0.0473314	0.18416950	3.0595502	20	—	—
464614 2016 CE_{144}	17.1	X	343.30203	83.92757	124.37508	2.90507	0.1244401	0.25370969	2.4712196	20	2 27.5	19.7
464615 2016 CJ_{167}	16.7	X	260.55516	190.86047	330.88447	8.28160	0.0810561	0.18368943	3.0648786	20	12 23.8	21.0
464616 2016 CE_{175}	16.6	X	285.06502	326.37234	162.88736	5.86377	0.1046498	0.17825615	3.1268451	20	12 13.0	20.7
464617 2016 CU_{239}	15.8	X	322.67736	346.55100	103.46636	19.41483	0.0985886	0.17111452	3.2132522	20	12 19.5	19.8
464618 2016 CO_{241}	17.2	X	322.51201	125.31528	50.54134	15.10805	0.1188975	0.21781984	2.7357165	20	—	—
464619 2016 CP_{241}	16.8	X	72.01141	19.69687	53.76478	14.11164	0.2186219	0.24051497	2.5607940	20	2 17.2	19.8
464620 2016 CN_{243}	16.1	X	308.58271	86.42254	31.80174	15.29419	0.1252503	0.17882418	3.1202201	20	—	—
464621 2016 CD_{244}	16.6	X	289.97142	67.54668	61.54022	13.86603	0.2647550	0.17564873	3.1577134	20	11 28.2	19.9
464622 2016 CB_{245}	16.2	X	220.38934	147.20544	66.60230	13.01925	0.0878030	0.17377344	3.1803905	20	—	—
464623 1995 SB_{41}	16.6	X	212.66429	107.09757	177.96048	15.97667	0.2121433	0.17637337	3.1490584	20	1 9.9	22.3
464624 1997 SG_{15}	16.7	X	127.63104	355.63860	354.49615	9.94772	0.1023613	0.18676067	3.0311850	20	1 3.6	21.2
464625 1997 TJ_{27}	18.4	X	5.15064	87.81959	218.73318	4.85613	0.1348545	0.29760149	2.2218393	20	9 15.9	20.4
464626 1998 SO_{172}	16.5	X	47.70737	40.04259	353.61356	9.61426	0.0999990	0.19170826	2.9788056	20	—	—
464627 1998 UN_{50}	18.0	X	73.92315	248.54582	223.43167	5.78305	0.1996845	0.24417954	2.5351084	20	4 1.9	20.8
464628 1999 CR_{147}	17.1	X	333.92498	255.32877	345.73055	10.23913	0.2220770	0.23505820	2.6002740	20	3 14.8	19.7
464629 1999 CO_{159}	16.8	X	64.24233	5.36622	145.30393	17.18207	0.1972703	0.24026894	2.5625418	20	5 18.7	20.2
464630 1999 EG_{8}	15.9	X	226.82453	215.43773	19.59013	27.40884	0.1337600	0.17220108	3.1997212	20	—	—
464631 1999 RN_{193}	18.0	X	272.20879	183.46386	173.96735	5.69845	0.2141852	0.27371087	2.3493156	20	5 26.4	21.1
464632 1999 TG_{23}	16.8	X	212.18938	318.60139	25.23517	8.84302	0.2240978	0.21690403	2.7434116	20	3 16.9	21.5
464633 1999 TB_{46}	17.8	X	339.60958	119.77061	211.16234	8.86649	0.2816902	0.27928900	2.3179292	20	9 1.3	18.8
464634 1999 TQ_{52}	17.5	X	151.33262	138.82272	217.33751	3.51974	0.0883963	0.21059732	2.7979127	20	1 29.2	21.7
464635 1999 TB_{87}	16.8	X	211.58356	126.76140	207.93322	11.63124	0.2743533	0.21534091	2.7566715	20	2 28.2	22.0
464636 1999 TY_{225}	17.6	X	232.28348	357.69255	12.98394	2.93533	0.1930368	0.26804727	2.3822927	20	5 1.7	21.2
464637 1999 VG_{155}	17.3	X	300.19005	142.48027	203.37148	21.45877	0.2063115	0.27699905	2.3306865	20	6 19.1	20.3
464638 2000 BY_{39}	16.2	X	44.66139	103.84822	306.90916	10.11006	0.1588024	0.19217782	2.9739514	20	—	—
464639 2000 PO_{30}	19.0	X	334.62680	218.04944	201.01940	3.57777	0.3992931	0.39614659	1.8361103	20	—	—
464640 2000 QG_{115}	17.8	X	290.90746	148.30526	213.55987	3.79280	0.2497407	0.29179034	2.2512416	20	6 21.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464641 2000 QE_{145}	17.8	X	279.08091	331.37702	20.94167	6.28182	0.2287470	0.28846478	2.2685108	20	5 22.9	20.6
464642 2000 QQ_{148}	16.5	X	207.57124	355.51597	353.34952	13.17514	0.2981529	0.22972587	2.6403578	20	3 14.7	21.3
464643 2000 QH_{180}	16.9	X	240.61281	336.89812	348.41705	14.20096	0.2748011	0.23154715	2.6264941	20	3 10.7	21.6
464644 2000 RO_{38}	16.8	X	274.59919	333.68136	352.74456	17.33264	0.4455631	0.23688038	2.5869219	20	3 21.9	21.5
464645 2000 SB_{49}	17.5	X	265.59143	171.24270	220.43956	4.66163	0.1457491	0.29089919	2.2558369	20	7 15.2	20.2
464646 2000 SO_{199}	17.2	X	184.97473	335.40002	17.73427	6.28979	0.2586955	0.22520838	2.6755496	20	3 6.4	21.9
464647 2000 SV_{359}	17.7	X	239.04852	120.09899	235.79383	4.53542	0.1981128	0.28263810	2.2995820	20	4 17.9	21.3
464648 2000 TR_{28}	16.6	X	273.31321	279.92959	46.69543	29.69053	0.3280949	0.23483019	2.6019569	20	4 14.9	21.0
464649 2000 VR_{1}	16.7	X	203.00684	301.39483	41.31228	14.15473	0.2209423	0.22457171	2.6806042	20	3 12.3	21.5
464650 2000 VY_{44}	16.6	X	159.48426	338.01075	32.22374	18.13777	0.2637148	0.22076984	2.7112916	20	3 14.5	21.5
464651 2000 WS_{122}	16.9	X	262.58040	303.23186	67.03778	6.17071	0.1630276	0.28254907	2.3000651	20	6 7.4	19.9
464652 2001 GE_{4}	17.9	X	84.79069	24.13995	88.61141	5.48975	0.4260889	0.26162453	2.4211242	20	5 23.4	21.4
464653 2001 KF_{32}	17.9	X	21.50251	174.33540	225.91607	20.81421	0.0192196	0.38984641	1.8558392	20	—	—
464654 2001 NC_{13}	16.6	X	199.50992	139.00650	171.07942	30.57662	0.1809456	0.24129506	2.5552717	20	1 21.5	21.4
464655 2001 QA_{59}	18.3	X	344.98340	169.18794	179.79046	4.54455	0.2367602	0.31382218	2.1446033	20	11 7.7	19.4
464656 2001 RS_{12}	16.3	X	198.83065	327.37759	342.51493	15.99086	0.2754826	0.18386217	3.0629586	20	2 1.4	21.9
464657 2001 RU_{112}	17.0	X	242.39590	217.59808	65.44330	0.52827	0.2979481	0.18737200	3.0245882	20	1 26.4	22.3
464658 2001 RX_{132}	18.1	X	345.84882	230.73386	108.35073	3.80535	0.2130867	0.31261656	2.1501136	20	10 19.5	19.3
464659 2001 SH_{10}	16.2	X	120.24099	161.32675	172.62327	15.32253	0.2496190	0.17365981	3.1817777	20	—	—
464660 2001 SG_{41}	18.1	X	318.05731	227.03424	181.27523	21.88354	0.0972886	0.36897356	1.9251854	20	12 19.7	20.3
464661 2001 SE_{102}	18.0	X	315.73146	121.23522	190.80705	7.86166	0.2004794	0.25241466	2.4796649	20	5 30.5	20.6
464662 2001 SD_{119}	16.9	X	176.70941	185.97453	199.59606	12.29176	0.1922608	0.23996062	2.5647364	20	4 2.8	21.0
464663 2001 SW_{133}	16.0	X	106.34635	181.53929	191.16878	17.89552	0.2120588	0.17535146	3.1612812	20	1 18.1	20.9
464664 2001 SS_{201}	16.9	X	159.42924	60.66523	0.35094	14.27853	0.0970049	0.24203598	2.5500543	20	4 22.1	20.8
464665 2001 SZ_{228}	15.9	X	187.86389	275.08438	20.30129	17.05514	0.2488262	0.17811510	3.1284957	20	1 7.2	21.6
464666 2001 SA_{237}	17.8	X	138.69780	31.86669	8.34456	1.91909	0.2269819	0.23460675	2.6036087	20	3 21.7	22.0
464667 2001 SR_{284}	18.0	X	217.66036	108.02487	245.30230	1.26702	0.1850061	0.24228177	2.5483293	20	3 29.2	22.2
464668 2001 SZ_{304}	16.3	X	106.95687	344.19090	5.15926	14.70462	0.1775183	0.17248027	3.1962673	20	—	—
464669 2001 SE_{314}	17.3	X	254.88516	226.62940	86.84839	3.69751	0.1952203	0.24405151	2.5359949	20	3 15.5	21.2
464670 2001 SL_{341}	16.7	X	164.81609	138.56573	173.81275	9.69388	0.0290925	0.17607979	3.1525576	20	—	—
464671 2001 SD_{353}	17.8	X	255.54754	306.92980	14.27565	9.08186	0.1702373	0.24382348	2.5375759	20	3 27.0	21.6
464672 2001 TV_{16}	18.1	X	331.10065	16.13736	26.73807	21.13414	0.0867338	0.36861194	1.9264443	20	—	—
464673 2001 TY_{59}	18.3	X	200.55389	20.34350	13.61514	7.33958	0.1836102	0.29519880	2.2338790	20	5 1.0	21.7
464674 2001 TD_{86}	17.4	X	157.51099	141.58746	244.25422	3.34640	0.2239068	0.23573351	2.5953056	20	3 18.6	21.8
464675 2001 TD_{89}	18.3	X	337.51378	125.41355	227.39499	4.10273	0.1915101	0.31138830	2.1557639	20	10 15.4	19.5
464676 2001 TG_{93}	16.9	X	80.25168	225.71270	224.55624	13.20943	0.2642450	0.22953702	2.6418058	20	3 22.4	20.3
464677 2001 TB_{127}	17.9	X	151.86500	209.39232	186.73272	3.03350	0.1260738	0.23376286	2.6098710	20	3 20.7	21.9
464678 2001 TQ_{206}	16.6	X	200.49016	191.74632	164.56809	20.02385	0.2954573	0.23929269	2.5695067	20	3 19.8	21.3
464679 2001 UD_{10}	18.7	X	190.11907	36.52708	210.01958	21.28304	0.0415155	0.38135869	1.8832745	20	—	—
464680 2001 UM_{55}	17.1	X	95.65728	196.18148	223.67537	9.10561	0.2598307	0.22984507	2.6394449	20	3 2.4	20.7
464681 2001 UA_{62}	17.4	X	203.56942	333.95690	26.69942	7.79330	0.2337968	0.23943494	2.5684889	20	3 27.7	21.8
464682 2001 UU_{78}	17.1	X	92.53076	10.76980	42.97419	4.58908	0.3033567	0.22712867	2.6604478	20	3 3.3	20.6
464683 2001 UK_{118}	16.8	X	124.34457	16.38837	48.69184	14.05388	0.1653736	0.23241573	2.6199462	20	4 6.8	20.8
464684 2001 UR_{165}	17.6	X	315.04220	47.26480	36.43222	22.73559	0.0806281	0.37228053	1.9137675	20	—	—
464685 2001 UY_{212}	15.9	X	178.44979	282.57543	44.64367	16.62178	0.2978845	0.17901976	3.1179471	20	2 10.4	21.8
464686 2001 VN_{67}	16.0	X	43.12545	273.51194	235.25688	25.81708	0.2034900	0.23032553	2.6357729	20	3 26.2	19.1
464687 2001 VS_{125}	17.2	X	40.60182	308.79340	126.71695	9.45333	0.2847194	0.22018320	2.7161053	20	—	—
464688 2001 WX_{45}	17.3	X	13.74391	209.32306	236.54893	12.02554	0.1832493	0.21778555	2.7360037	20	—	—
464689 2001 WQ_{50}	17.2	X	147.18330	156.70599	226.38011	10.78372	0.1986023	0.23161973	2.6259453	20	3 2.1	21.5
464690 2001 WR_{56}	17.1	X	81.69599	22.31186	45.93956	9.96593	0.0985208	0.22680631	2.6629681	20	2 6.8	20.6
464691 2001 XP_{79}	16.9	X	87.70065	343.20943	92.79418	7.96554	0.2736320	0.22672352	2.6636163	20	3 23.7	20.5
464692 2001 XA_{104}	17.8	X	328.35110	6.64711	76.43457	23.90395	0.0807547	0.36992492	1.9218832	20	—	—
464693 2001 XO_{260}	17.1	X	54.66203	30.42367	62.69476	9.91415	0.1921194	0.22482765	2.6785694	20	2 8.4	19.9
464694 2002 AK_{41}	17.2	X	34.94052	353.00087	127.57747	11.74518	0.2462724	0.21989204	2.7185023	20	2 7.6	19.3
464695 2002 CL_{72}	16.7	X	52.76334	290.94820	133.97594	12.62224	0.1793226	0.21502118	2.7594036	20	—	—
464696 2002 EA_{37}	17.3	X	335.26690	5.62827	157.64928	10.29793	0.1528081	0.21188303	2.7865827	20	—	—
464697 2002 EC_{163}	18.2	X	12.87502	68.29055	188.11989	5.17995	0.1435419	0.28266710	2.2994248	20	7 10.1	20.1
464698 2002 GV_{155}	18.0	X	225.12349	348.67667	187.55680	22.62296	0.0415711	0.35716327	1.9673948	20	—	—
464699 2002 GD_{186}	18.3	X	50.72381	167.15568	39.86669	6.63076	0.1150849	0.27891949	2.3199759	20	6 30.0	20.8
464700 2002 JE_{114}	16.6	X	341.48923	144.73270	51.23894	11.83897	0.2261358	0.21258997	2.7804016	20	2 3.7	19.9
464701 2002 NZ_{31}	16.7	X	256.32840	9.58326	299.73435	7.70605	0.3158475	0.20584697	2.8407939	20	2 29.4	21.8
464702 2002 PT_{30}	17.6	X	240.99669	203.66285	155.89586	6.00372	0.2230069	0.26254969	2.4154333	20	4 26.2	21.5
464703 2002 PB_{64}	16.5	X	38.58636	252.16668	131.16363	14.59667	0.3006221	0.17927957	3.1149339	20	—	—
464704 2002 PT_{105}	17.1	X	232.34492	108.12256	256.39097	6.35500	0.2281281	0.26089906	2.4256104	20	4 20.5	21.3
464705 2002 PK_{166}	18.1	X	0.61759	230.27230	42.55691	3.28816	0.1869179	0.27174049	2.3606584	20	7 14.2	19.7
464706 2002 QE_{73}	17.5	X	197.32425	233.05442	159.21306	7.04386	0.1826196	0.25930888	2.4355168	20	4 30.9	21.6
464707 2002 QD_{86}	17.7	X	242.79870	93.69337	262.72168	1.36555	0.2016842	0.26225909	2.4172172	20	4 23.1	21.3
464708 2002 QR_{86}	18.1	X	303.97914	2.83349	308.50548	3.79359	0.1983798	0.26684363	2.3894511	20	5 5.5	20.8
464709 2002 QN_{93}	16.9	X	162.61679	308.62607	32.13819	1.24966	0.1308244	0.19229641	2.9727286	20	1 29.6	21.6
464710 2002 QW_{100}	17.4	X	243.69291	300.39712	64.91635	5.73357	0.2420726	0.26338493	2.4103240	20	5 3.4	21.1
464711 2002 QW_{128}	18.4	X	310.93774	285.06479	16.53179	2.02762	0.2078800	0.26677618	2.3898539	20	5 2.2	20.7
464712 2002 QQ_{139}	18.4	X	340.26213	113.93894	193.25453	4.76460	0.2583502	0.27230573	2.3573905	20	7 16.3	19.6
464713 2002 QF_{140}	16.3	X	184.98312	332.70693	18.20868	11.34865	0.1439839	0.19668911	2.9283019	20	3 5.6	21.1
464714 2002 RF_{9}	17.9	X	274.37683	185.11278	164.68739	5.58405	0.2542683	0.26584991	2.3954018	20	5 13.4	21.2
464715 2002 RX_{69}	17.4	X	244.80969	212.11189	155.25935	2.74007	0.2258010	0.26258979	2.4151874	20	5 8.4	21.2
464716 2002 RM_{148}	17.4	X	202.58702	203.31062	179.08678	4.87262	0.2148500	0.25686868	2.4509171	20	4 21.4	21.4
464717 2002 RN_{182}	16.2	X	70.15483	150.75419	224.66299	17.22681	0.2241307	0.18048015	3.1011046	20	—	—
464718 2002 RV_{202}	17.0	X	59.03524	163.67977	253.75866	2.86693	0.2292872	0.23807365	2.5782706	20	—	—
464719 2002 RM_{247}	16.5	X	118.90123	183.27301	152.86159	5.17746	0.1174506	0.18529821	3.0471131	20	—	—
464720 2002 RX_{258}	18.9	X	325.21727	93.97196	204.42696	1.55085	0.2043373	0.26711163	2.3878526	20	5 26.7	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464721 2002 SM_{10}	17.3	X	258.73468	139.14998	185.90850	2.19680	0.2153670	0.25859564	2.4399930	20	3 28.9	21.1
464722 2002 SC_{67}	16.4	X	56.90696	158.12507	222.58534	5.85336	0.1202097	0.17909179	3.1171110	20	—	—
464723 2002 TE_{44}	16.3	X	32.64431	198.90146	203.03065	15.10664	0.2743321	0.17483410	3.1675145	20	—	—
464724 2002 TR_{107}	17.9	X	244.03389	344.62842	11.49701	4.70973	0.2011934	0.25940147	2.4349372	20	4 23.6	21.6
464725 2002 TB_{171}	16.2	X	103.78311	85.45183	278.17473	8.63667	0.2562227	0.18328796	3.0693525	20	1 11.7	20.6
464726 2002 TQ_{224}	17.2	X	214.30810	163.88122	200.48793	9.69488	0.2239493	0.25453898	2.4658492	20	4 7.4	21.4
464727 2002 TV_{264}	16.1	X	94.42363	350.80504	35.80472	13.21239	0.2924929	0.18215767	3.0820362	20	2 8.4	20.6
464728 2002 TB_{304}	16.6	X	330.38903	324.52853	158.33745	8.51942	0.2159325	0.17557317	3.1586193	20	—	—
464729 2002 TS_{310}	17.8	X	353.56591	181.30449	116.04979	5.95600	0.2269040	0.26907004	2.3762520	20	8 11.7	19.1
464730 2002 TW_{357}	16.3	X	0.66594	66.79624	5.57293	26.00280	0.2639540	0.17480423	3.1678754	20	—	—
464731 2002 UQ_{44}	16.1	X	120.48164	311.12035	71.50052	14.01097	0.2523985	0.18360107	3.0658618	20	2 25.8	21.1
464732 2002 UD_{56}	16.7	X	69.00485	299.19247	70.37449	11.38354	0.1129332	0.17686052	3.1432731	20	—	—
464733 2002 XR_{4}	18.1	X	295.31065	216.81297	245.76479	20.73162	0.0962725	0.38844212	1.8603094	20	—	—
464734 2002 XG_{16}	17.5	X	307.92588	199.07403	265.75316	19.88824	0.0527833	0.39235552	1.8479188	20	—	—
464735 2003 CB_{13}	16.4	X	336.11134	263.18142	323.75557	11.24836	0.1756497	0.23447547	2.6045804	20	3 4.3	19.2
464736 2003 EV_{53}	15.7	X	324.02102	187.90041	5.03047	28.85800	0.1393292	0.22353274	2.6889039	20	1 22.5	19.8
464737 2003 GA_{3}	18.1	X	104.35205	200.52926	1.34476	6.94356	0.2173706	0.30549028	2.1834225	20	9 16.4	21.5
464738 2003 HN_{19}	18.4	X	29.75367	90.12342	191.99690	4.13230	0.1635604	0.30095795	2.2052890	20	9 29.7	20.4
464739 2003 KD_{16}	16.9	X	323.35435	118.40727	131.94608	5.47948	0.1355142	0.22749705	2.6575751	20	3 28.0	20.1
464740 2003 NO_{5}	16.5	X	271.68020	48.36300	236.73434	12.17851	0.2204755	0.21732456	2.7398714	20	2 18.5	21.1
464741 2003 OP_{18}	16.8	X	275.19286	339.15066	331.91001	8.36469	0.3055782	0.22021789	2.7158200	20	3 17.9	21.2
464742 2003 PB	17.6	X	14.39402	87.61447	206.63142	5.96203	0.2739393	0.29365984	2.2416769	20	10 10.4	19.4
464743 2003 PA_{11}	18.4	X	52.43222	335.52905	294.07987	7.60600	0.2678462	0.29730199	2.2233313	20	10 24.4	21.6
464744 2003 QO_{48}	18.3	X	353.51431	191.09038	127.82636	3.01899	0.2004956	0.29101653	2.2552305	20	9 22.9	19.7
464745 2003 RQ_{7}	16.9	X	243.36710	321.18551	359.62091	9.41752	0.2640765	0.21419485	2.7664959	20	3 10.6	21.7
464746 2003 RQ_{23}	18.2	X	284.10068	231.78897	122.87857	2.42975	0.2092453	0.28332028	2.2958893	20	6 7.6	20.9
464747 2003 SL_{23}	16.4	X	129.22028	66.63770	276.65969	6.25351	0.2436314	0.19674876	2.9277100	20	1 10.5	21.0
464748 2003 SG_{27}	17.9	X	307.79134	9.38554	319.34703	3.70580	0.2191413	0.28419908	2.2911539	20	6 5.4	20.0
464749 2003 SS_{27}	14.9	X	37.62612	155.54395	217.02135	8.97160	0.2960294	0.12542216	3.9526334	20	—	—
464750 2003 SW_{40}	17.6	X	199.96737	57.76470	312.79616	9.89515	0.2393674	0.27114553	2.3641104	20	3 28.8	21.9
464751 2003 SX_{141}	15.9	X	111.36385	134.36586	236.13273	11.01983	0.0722129	0.19785480	2.9167889	20	—	—
464752 2003 SH_{196}	17.5	X	294.44293	67.14959	274.12901	3.71260	0.1955833	0.28073706	2.3099516	20	6 5.8	19.9
464753 2003 SY_{199}	16.3	X	232.83096	354.20640	23.94835	24.43502	0.2131471	0.27382777	2.3486469	20	5 4.2	20.2
464754 2003 SF_{205}	16.8	X	358.46987	240.67488	182.46805	15.34912	0.3148114	0.18332616	3.0689260	20	—	—
464755 2003 SA_{220}	17.5	X	95.96968	176.50915	225.93726	17.92462	0.4501245	0.25391137	2.4699109	20	3 1.8	21.5
464756 2003 SZ_{268}	16.4	X	86.33889	101.17523	259.64588	10.92969	0.1842112	0.19184891	2.9773495	20	—	—
464757 2003 SP_{291}	17.9	X	292.72752	20.83654	314.67067	4.19560	0.2384830	0.28082901	2.3094474	20	5 16.3	20.6
464758 2003 SB_{324}	18.1	X	252.53457	157.83095	202.73903	0.85925	0.2041578	0.27646668	2.3336776	20	5 8.3	21.5
464759 2003 SZ_{332}	18.0	X	169.39664	319.56657	92.75539	2.37630	0.1784530	0.26914465	2.3758128	20	4 29.6	21.8
464760 2003 SG_{394}	17.5	X	351.70797	206.78804	64.56846	7.80729	0.2416413	0.28173062	2.3045175	20	6 15.3	18.5
464761 2003 SQ_{400}	17.3	X	238.35396	312.44931	66.13698	11.23082	0.2106582	0.27540076	2.3396952	20	5 17.8	20.9
464762 2003 SU_{427}	18.0	X	315.43038	123.29186	211.59430	5.68090	0.1336912	0.28494545	2.2871513	20	7 15.2	20.2
464763 2003 TD_{6}	17.7	X	283.57618	323.45281	8.97494	8.43030	0.1477072	0.27883466	2.3204464	20	5 12.6	20.6
464764 2003 US_{20}	17.6	X	351.12540	278.78099	34.98324	9.03631	0.2734642	0.28649062	2.2789202	20	9 20.4	18.8
464765 2003 UY_{22}	16.0	X	23.95652	18.40037	42.37563	9.25749	0.2707825	0.18474583	3.0531838	20	—	—
464766 2003 UJ_{62}	16.6	X	232.64737	202.41206	164.73958	11.02887	0.3210684	0.21546191	2.7556393	20	4 24.6	21.6
464767 2003 UB_{165}	17.0	X	354.48196	295.26184	183.65190	16.19598	0.0982923	0.19037958	2.9926491	20	—	—
464768 2003 UM_{171}	16.5	X	20.16996	1.41419	61.11191	4.99844	0.2961046	0.18443320	3.0566331	20	—	—
464769 2003 UG_{175}	17.5	X	310.36349	331.83797	352.67501	5.29389	0.1875875	0.28142317	2.3061956	20	6 9.3	19.8
464770 2003 UT_{211}	17.7	X	226.47600	341.36415	32.63795	2.70276	0.2457138	0.27238074	2.3569577	20	4 27.8	21.6
464771 2003 UQ_{219}	17.7	X	248.49380	126.43211	242.97936	5.36406	0.1488005	0.27552930	2.3389675	20	5 21.9	20.7
464772 2003 UW_{229}	16.6	X	200.83083	317.95300	14.59694	7.91023	0.2911273	0.20584330	2.8408277	20	2 24.9	21.8
464773 2003 UL_{260}	18.4	X	162.00300	174.93184	236.16002	0.47406	0.1751856	0.26648529	2.3915927	20	4 20.1	22.2
464774 2003 UB_{275}	18.1	X	183.42952	21.63577	25.75168	5.51529	0.2272223	0.26908834	2.3761442	20	5 4.7	22.1
464775 2003 UU_{281}	18.0	X	164.53692	306.64860	99.95221	2.02651	0.2687117	0.26535371	2.3983871	20	4 21.6	22.0
464776 2003 UF_{286}	17.0	X	87.30756	182.70765	211.15327	9.88875	0.1178571	0.19293144	2.9662019	20	1 5.2	21.0
464777 2003 UN_{328}	17.9	X	332.94681	27.70882	252.21926	5.11986	0.1587778	0.28165931	2.3049065	20	5 19.1	19.9
464778 2003 US_{378}	17.0	X	49.75089	263.55276	183.12033	11.04640	0.0743196	0.19747228	2.9205543	20	1 12.0	20.9
464779 2003 WS_{15}	17.4	X	2.66033	354.58545	53.04045	3.13011	0.2326148	0.18020504	3.1042601	20	—	—
464780 2003 WK_{53}	16.6	X	351.96277	52.23254	50.56719	19.99750	0.3608765	0.18216566	3.0819461	20	—	—
464781 2003 WZ_{68}	16.0	X	14.22766	2.10710	66.07589	13.38957	0.2496759	0.18232677	3.0801304	20	—	—
464782 2003 WQ_{108}	16.4	X	27.10874	353.54935	38.20043	11.06279	0.1623854	0.18079998	3.0974464	20	—	—
464783 2003 WV_{133}	16.1	X	17.82974	3.28017	65.91863	15.01736	0.1381517	0.18284715	3.0742835	20	—	—
464784 2003 WM_{148}	15.8	X	26.18375	338.20233	86.57150	10.54275	0.1023228	0.18461070	3.0546736	20	—	—
464785 2003 WJ_{158}	16.5	X	127.45650	320.06600	35.26259	11.46489	0.1641548	0.19497562	2.9454332	20	1 16.8	21.0
464786 2003 WN_{176}	18.0	X	143.94875	335.48018	89.70495	2.16873	0.1760564	0.26299384	2.4127130	20	4 22.1	21.5
464787 2003 XY_{27}	16.4	X	73.45074	164.53275	254.65894	14.10730	0.0498345	0.19047976	2.9915998	20	1 8.9	20.6
464788 2003 XP_{34}	16.6	X	351.31128	35.25422	72.27725	10.77828	0.0938409	0.18292015	3.0734655	20	—	—
464789 2004 AQ_{13}	18.5	X	79.97957	14.56700	103.15756	4.63670	0.1413848	0.25462411	2.4652995	20	4 12.9	21.4
464790 2004 BB_{8}	18.0	X	52.17358	83.89233	41.18034	2.68972	0.1487854	0.25085517	2.4899312	20	3 7.9	20.4
464791 2004 BK_{8}	16.5	X	12.09840	344.13128	131.69401	10.92115	0.1599825	0.18179884	3.0860905	20	—	—
464792 2004 BH_{15}	16.0	X	291.53390	218.36145	302.81361	15.74965	0.1951854	0.17352941	3.1833715	20	—	—
464793 2004 BE_{26}	16.6	X	357.47731	1.75497	61.76515	14.40467	0.1142457	0.17404399	3.1770938	20	—	—
464794 2004 BE_{70}	15.9	X	292.91565	62.71287	119.26460	27.09885	0.2356533	0.17543642	3.1602605	20	—	—
464795 2004 BA_{138}	16.6	X	332.10120	39.55113	111.43865	8.69552	0.0521686	0.17964735	3.1106813	20	—	—
464796 2004 ER_{70}	16.7	X	255.18167	226.14783	352.72059	7.25510	0.2482379	0.16843991	3.2471776	20	—	—
464797 2004 FZ_{1}	18.3	X	235.16199	89.53698	152.60479	52.62876	0.5310124	0.41021780	1.7938786	20	—	—
464798 2004 JX_{20}	19.4	X	23.75167	349.11844	101.78878	10.53102	0.2658085	1.15135330	0.9015649	20	—	—
464799 2004 JZ_{32}	16.8	X	299.72105	107.87286	209.95087	10.98843	0.3432629	0.24338212	2.5406428	20	4 16.7	20.1
464800 2004 JU_{34}	18.0	X	300.44731	74.55029	201.87270	5.77846	0.3342607	0.23844522	2.5755914	20	2 24.5	21.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464801 2004 JN_{53}	18.0	X	23.35227	172.11775	19.61945	3.66973	0.1741624	0.24538241	2.5268169	20	4 20.7	20.3
464802 2004 ND_{6}	17.4	X	314.07698	16.72927	272.91592	4.79920	0.2836600	0.23921433	2.5700678	20	4 6.1	20.5
464803 2004 PY_{60}	17.1	X	264.53556	30.77592	296.25008	4.31802	0.2587971	0.23247760	2.6194813	20	3 31.8	21.5
464804 2004 PY_{91}	16.9	X	240.15866	6.23315	305.24010	12.42791	0.2077549	0.22702602	2.6612497	20	2 23.7	21.4
464805 2004 QS_{13}	16.7	X	127.57284	326.40112	36.54686	9.17690	0.1715631	0.21331103	2.7741323	20	1 24.6	20.9
464806 2004 RF_{72}	16.9	X	309.24882	226.36210	168.82783	11.50200	0.3000356	0.18224085	3.0810984	20	8 25.1	20.1
464807 2004 RY_{73}	16.9	X	215.52389	340.39722	322.67768	4.31142	0.1456579	0.21939031	2.7226454	20	1 30.8	21.4
464808 2004 RJ_{101}	18.0	X	347.58259	120.72961	189.32320	6.60404	0.2175655	0.30661356	2.1780866	20	8 22.5	19.0
464809 2004 RS_{103}	17.1	X	233.88779	12.67106	312.09069	6.25626	0.3098661	0.22628802	2.6670327	20	3 2.6	21.9
464810 2004 RF_{120}	16.9	X	169.25748	212.24821	162.92390	13.87113	0.1565248	0.22151973	2.7051693	20	3 15.9	21.2
464811 2004 RC_{175}	16.8	X	267.89036	39.37661	293.53568	8.79947	0.2395254	0.23381692	2.6094687	20	4 11.1	20.9
464812 2004 RK_{176}	16.9	X	274.06369	85.69448	200.34037	12.24169	0.2568993	0.22918274	2.6445276	20	2 19.1	21.4
464813 2004 RD_{213}	16.2	X	185.13447	58.52498	262.79065	14.05026	0.2243506	0.21573253	2.7533344	20	1 24.3	21.1
464814 2004 RH_{252}	18.0	X	114.34970	78.02918	203.46049	22.30119	0.0339740	0.38378343	1.8753337	20	—	—
464815 2004 RV_{257}	17.5	X	212.19101	191.98560	187.53931	9.40957	0.2698136	0.28890646	2.2661981	20	4 23.5	21.4
464816 2004 ST_{23}	16.9	X	292.14336	115.57708	192.90307	7.16330	0.2005672	0.23097376	2.6308391	20	4 18.1	20.4
464817 2004 SK_{29}	17.8	X	341.85665	342.49524	356.53646	7.21436	0.2326057	0.30830680	2.1701045	20	10 5.1	18.7
464818 2004 TV_{26}	17.2	X	278.17269	100.81323	193.09771	10.98621	0.2987093	0.22947456	2.6422852	20	2 29.1	21.6
464819 2004 TG_{53}	16.2	X	199.34277	329.81860	34.57891	15.16189	0.0635564	0.21879273	2.7276007	20	4 3.3	20.2
464820 2004 TX_{82}	17.2	X	284.45696	109.13972	199.30954	11.29245	0.0964516	0.22890486	2.6466675	20	4 24.1	20.6
464821 2004 TD_{107}	16.8	X	274.71939	276.55624	47.99140	10.56387	0.2229723	0.23158824	2.6261834	20	4 16.7	20.6
464822 2004 TF_{112}	17.2	X	159.67561	146.15432	194.98166	5.45946	0.0893199	0.21038975	2.7997526	20	1 19.9	21.5
464823 2004 TL_{194}	17.3	X	60.15665	129.66898	297.79145	2.47149	0.2407907	0.20423632	2.8557097	20	1 21.7	20.2
464824 2004 TY_{207}	16.6	X	108.98320	346.62298	34.39443	9.91779	0.1422289	0.20656666	2.8341917	20	1 22.7	20.7
464825 2004 TQ_{317}	18.4	X	291.95417	232.09118	211.26072	19.73367	0.1199872	0.37449320	1.9062218	20	12 26.1	20.1
464826 2004 TR_{368}	16.6	X	188.70727	305.78805	46.08529	12.58630	0.1928123	0.21598401	2.7511967	20	3 11.6	21.4
464827 2004 VV_{41}	17.2	X	77.50057	184.19248	220.53733	5.25885	0.0697760	0.20317986	2.8656003	20	—	—
464828 2004 VT_{54}	15.9	X	229.97131	276.69469	88.84266	26.06894	0.3168590	0.22708993	2.6607504	20	4 30.4	21.1
464829 2004 XY_{36}	17.7	X	326.08471	272.00315	78.14838	6.58680	0.1511554	0.29984191	2.2107578	20	9 11.6	19.3
464830 2004 XD_{42}	18.0	X	48.13672	307.50755	74.32649	24.66527	0.1195385	0.38318417	1.8772884	20	—	—
464831 2005 AR_{20}	18.2	X	153.56537	311.40238	118.97036	6.27008	0.2873257	0.27919065	2.3184735	20	5 14.4	22.3
464832 2005 BG_{26}	15.9	X	269.29257	207.15908	320.63465	14.39343	0.2424404	0.18009914	3.1054768	20	12 19.7	20.0
464833 2005 CV_{3}	17.0	X	304.41445	57.55794	108.78155	6.37121	0.1300294	0.18543312	3.0456350	20	—	—
464834 2005 CX_{10}	17.7	X	104.71363	150.81657	343.80234	6.92368	0.1796814	0.27483605	2.3428991	20	6 10.5	21.0
464835 2005 CS_{12}	16.4	X	14.68763	268.41479	144.36635	15.84146	0.3776748	0.18871688	3.0102014	20	—	—
464836 2005 CU_{14}	18.9	X	123.67627	59.06069	55.69112	0.89662	0.2167717	0.27680698	2.3317645	20	6 8.4	22.5
464837 2005 CT_{46}	16.2	X	313.40583	99.40513	329.64526	17.08011	0.1831102	0.17449474	3.1716201	20	10 24.9	20.2
464838 2005 CB_{51}	15.8	X	256.62232	17.68419	155.99703	18.01460	0.1604064	0.17740453	3.1368440	20	12 21.3	20.4
464839 2005 CX_{67}	16.1	X	278.30478	36.56040	147.12409	16.35812	0.1929791	0.18413171	3.0599688	20	—	—
464840 2005 EZ_{17}	16.5	X	13.48608	115.64486	356.22736	12.12285	0.0693108	0.18649124	3.0341037	20	—	—
464841 2005 EY_{66}	18.1	X	116.60258	129.97449	350.61050	7.74228	0.1275652	0.27292630	2.3538157	20	5 28.5	21.5
464842 2005 EF_{153}	18.3	X	266.65168	329.54281	181.03473	23.04249	0.0183778	0.36892548	1.9253526	20	—	—
464843 2005 ET_{167}	17.8	X	60.95274	183.58034	348.92773	5.73141	0.1603282	0.26956213	2.3733592	20	5 31.5	20.4
464844 2005 EB_{213}	18.6	X	60.23157	181.61121	9.75295	2.46270	0.1485958	0.27183917	2.3600871	20	6 27.3	21.2
464845 2005 EF_{227}	16.9	X	266.64779	172.63896	354.30527	7.57546	0.1000576	0.17580623	3.1558272	20	—	—
464846 2005 EX_{230}	17.7	X	102.69175	41.09953	122.55268	5.74740	0.2067473	0.27585890	2.3371041	20	7 21.7	21.0
464847 2005 EM_{252}	18.3	X	16.31936	58.80381	191.46676	7.32170	0.1977776	0.26973176	2.3723640	20	7 12.6	20.3
464848 2005 EE_{257}	18.2	X	62.06638	321.26606	234.06273	1.66440	0.1094880	0.27210673	2.3585397	20	6 29.1	20.9
464849 2005 ES_{285}	16.8	X	319.54947	286.11530	197.08837	12.43346	0.0928225	0.17632226	3.1496669	20	—	—
464850 2005 EL_{286}	18.1	X	305.61413	76.70201	22.35089	21.14298	0.0841249	0.36906604	1.9248638	20	—	—
464851 2005 EP_{330}	15.8	X	225.12164	220.73092	20.33435	14.38890	0.2334003	0.17384735	3.1794890	20	—	—
464852 2005 FZ_{12}	17.1	X	309.13382	83.54510	153.20178	11.80543	0.1621265	0.25572396	2.4582258	20	2 7.1	20.3
464853 2005 GM_{23}	16.4	X	253.54064	132.93590	42.24045	4.97216	0.1334744	0.17204377	3.2016714	20	12 20.1	20.8
464854 2005 GF_{29}	16.4	X	324.56744	310.33216	211.29143	13.95842	0.2410582	0.18403474	3.0610435	20	—	—
464855 2005 GJ_{40}	17.9	X	334.88256	89.24865	164.53918	1.61057	0.1505937	0.26248285	2.4158433	20	4 14.4	20.1
464856 2005 GC_{45}	18.4	X	105.62579	280.64160	217.42791	1.30307	0.1522237	0.27217530	2.3581435	20	6 13.6	21.5
464857 2005 GA_{47}	17.8	X	349.11705	222.63093	3.99139	1.85788	0.0699113	0.26388766	2.4072618	20	4 7.4	20.4
464858 2005 GS_{49}	18.0	X	4.51572	179.28094	44.65078	2.37414	0.1499323	0.26400750	2.4065333	20	4 28.6	20.1
464859 2005 GE_{68}	16.5	X	306.53826	75.09476	119.32373	15.92295	0.2501950	0.18478529	3.0527492	20	—	—
464860 2005 GY_{76}	15.7	X	224.34083	136.21821	118.32402	28.12780	0.1848243	0.17448299	3.1717625	20	—	—
464861 2005 GV_{98}	18.2	X	1.08487	49.97926	221.17666	4.18436	0.2029051	0.26768889	2.3844185	20	7 11.3	19.8
464862 2005 GP_{109}	17.8	X	331.48195	211.42168	84.74292	2.66245	0.1785269	0.26726062	2.3869651	20	6 9.9	19.9
464863 2005 GA_{110}	17.2	X	352.21286	237.61637	28.90969	23.41768	0.1844427	0.26617308	2.3934625	20	5 31.6	19.6
464864 2005 GF_{136}	17.6	X	334.08145	180.00710	108.99425	5.89005	0.2140867	0.26522942	2.3991363	20	5 31.2	19.3
464865 2005 GB_{176}	16.2	X	230.26973	180.35475	64.74091	17.76157	0.1512087	0.17512651	3.1639877	20	—	—
464866 2005 GV_{209}	16.0	X	249.47195	181.02272	67.09633	18.10594	0.1949410	0.18089434	3.0963692	20	—	—
464867 2005 GO_{223}	17.0	X	352.06845	192.40885	66.84364	12.00446	0.2065192	0.26647528	2.3916526	20	5 26.1	18.5
464868 2005 HM_{6}	16.4	X	302.64692	328.09658	218.55502	18.82340	0.2576423	0.18003846	3.1061745	20	—	—
464869 2005 JL_{22}	16.1	X	260.91200	115.82773	132.61633	25.10183	0.3292426	0.17915608	3.1163652	20	1 1.3	21.9
464870 2005 JX_{24}	18.0	X	18.04580	136.33306	66.62472	2.36914	0.1475887	0.26197757	2.4189486	20	4 25.2	20.0
464871 2005 JN_{28}	17.1	X	249.86697	163.31160	95.41369	12.19148	0.1573439	0.17887349	3.1196466	20	1 14.0	22.0
464872 2005 JB_{32}	18.0	X	12.49347	21.43214	236.34900	1.84194	0.2489442	0.26714126	2.3876760	20	7 24.9	19.5
464873 2005 JF_{61}	16.3	X	257.98589	95.92373	91.94044	10.90733	0.1058352	0.17016146	3.2252391	20	—	—
464874 2005 JZ_{83}	17.5	X	291.28046	74.88844	218.39047	5.50867	0.1301918	0.25853717	2.4403609	20	4 3.5	20.5
464875 2005 JD_{89}	16.2	X	202.33513	287.03068	47.84913	19.47273	0.3405159	0.18027927	3.1034079	20	3 8.2	22.3
464876 2005 JP_{99}	16.9	X	240.43940	131.81020	106.95615	9.44797	0.1714986	0.17476039	3.1684051	20	—	—
464877 2005 JY_{130}	16.2	X	266.66769	106.23314	102.81956	10.61495	0.0636463	0.17539865	3.1607141	20	—	—
464878 2005 JL_{141}	17.6	X	301.79665	198.49934	88.00718	3.24134	0.1907283	0.25781674	2.4449049	20	4 2.1	20.5
464879 2005 JF_{158}	16.1	X	270.88752	152.50333	17.73779	11.05037	0.0399700	0.17553085	3.1591270	20	—	—
464880 2005 JK_{175}	16.2	X	179.03658	166.86726	172.07295	17.09451	0.2413849	0.17616716	3.1515152	20	2 14.4	21.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464881 2005 JF_{177}	17.5	X	28.06794	324.84761	133.82504	25.51511	0.1065469	0.37417586	1.9072994	20	—	—
464882 2005 KB_{4}	18.0	X	91.30562	305.51834	205.10197	4.41884	0.1628577	0.26822922	2.3812153	20	6 14.9	21.1
464883 2005 KE_{13}	16.3	X	251.90562	345.53392	224.52014	22.08951	0.2288192	0.17379683	3.1801051	20	—	—
464884 2005 LY_{1}	17.6	X	336.84227	156.92055	153.93925	5.22219	0.2413278	0.26554776	2.3972185	20	7 13.0	19.0
464885 2005 LS_{3}	19.5	X	120.37765	123.57626	85.23842	34.89372	0.2679330	0.54209375	1.4896576	20	11 21.9	21.8
464886 2005 LO_{13}	15.9	X	84.83465	322.13840	96.52761	12.97948	0.0693609	0.17881501	3.1203267	20	1 31.3	20.3
464887 2005 LX_{16}	15.7	X	257.44098	317.31356	238.77317	15.89741	0.1385882	0.17142595	3.2093593	20	—	—
464888 2005 MU_{7}	17.6	X	332.93322	25.36083	252.54163	6.14207	0.2269444	0.26134059	2.4228776	20	5 5.1	19.6
464889 2005 MN_{19}	15.9	X	198.05965	99.97839	227.28772	25.07298	0.2207344	0.17709233	3.1405296	20	2 7.9	21.8
464890 2005 NZ_{124}	17.9	X	321.29182	167.91823	153.39707	6.18155	0.1592764	0.25981710	2.4323397	20	6 30.9	20.2
464891 2005 PA_{4}	15.9	X	243.46933	124.72581	132.92707	27.06304	0.3039333	0.17178731	3.2048571	20	1 2.2	21.8
464892 2005 PJ_{21}	16.3	X	155.61418	210.70226	187.08739	33.45927	0.2315305	0.23472915	2.6027035	20	4 2.9	20.6
464893 2005 QQ_{140}	15.6	X	207.30233	261.91830	45.04351	24.85069	0.3956425	0.17151445	3.2082552	20	2 8.6	22.1
464894 2005 QM_{142}	15.6	X	102.89813	279.53862	5.34038	15.60656	0.1103437	0.14195368	3.6394711	20	11 19.6	21.3
464895 2005 RX_{21}	17.1	X	104.19240	233.29032	162.55120	10.61505	0.1368138	0.22741797	2.6581911	20	1 26.9	20.7
464896 2005 RS_{40}	16.6	X	166.80747	101.51132	250.04080	14.68904	0.2466289	0.23291808	2.6161778	20	2 11.0	21.3
464897 2005 SM_{9}	17.3	X	131.79387	31.55848	350.25752	3.95786	0.2716633	0.22721294	2.6597900	20	2 27.4	21.6
464898 2005 SA_{20}	16.9	X	150.42598	337.13416	23.86034	18.73316	0.2349176	0.22789900	2.6544493	20	2 24.1	21.6
464899 2005 SV_{30}	17.2	X	167.27512	196.32453	178.36931	4.32318	0.2694056	0.23362858	2.6108709	20	3 16.7	21.7
464900 2005 SH_{37}	17.7	X	115.54846	354.19961	41.17687	1.20107	0.1480470	0.22689455	2.6622776	20	2 13.0	21.2
464901 2005 SC_{64}	17.8	X	183.35210	357.01432	15.63253	4.35124	0.1368601	0.23572220	2.5953886	20	3 23.8	21.7
464902 2005 SE_{80}	17.3	X	134.35553	257.76228	178.87203	9.16816	0.1055799	0.23765992	2.5812620	20	4 22.4	21.0
464903 2005 SW_{120}	16.9	X	12.70197	132.90546	6.94992	11.59367	0.1280415	0.22643617	2.6658693	20	1 21.8	20.1
464904 2005 SP_{153}	17.1	X	56.93336	332.29869	199.17294	11.58826	0.1130130	0.24225270	2.5485332	20	5 18.6	20.2
464905 2005 SR_{185}	18.4	X	273.36835	137.06278	178.56506	3.71433	0.1647776	0.24534900	2.5270462	20	4 8.5	22.0
464906 2005 SF_{189}	17.5	X	52.78743	260.09020	196.34324	7.92756	0.1682199	0.22244174	2.6976889	20	1 31.7	20.5
464907 2005 SR_{189}	17.8	X	240.71815	146.26155	192.03031	5.07408	0.2355031	0.24203348	2.5500719	20	3 28.3	22.0
464908 2005 SY_{190}	16.6	X	146.84852	348.88858	32.44863	7.25685	0.2859756	0.23005708	2.6378230	20	3 13.2	21.1
464909 2005 SP_{260}	16.6	X	83.97849	293.47365	203.91539	13.11875	0.0984607	0.23855474	2.5748030	20	5 8.7	19.9
464910 2005 TT	16.2	X	193.49182	351.75270	18.74793	30.18110	0.2872720	0.23576877	2.5950468	20	4 2.8	20.9
464911 2005 TZ_{12}	17.4	X	204.11699	146.96270	210.41023	11.03360	0.0953013	0.23581976	2.5946727	20	3 22.5	21.3
464912 2005 TQ_{20}	15.9	X	155.73060	130.49044	194.20073	9.62240	0.0892636	0.15665519	3.4080518	20	1 4.5	21.2
464913 2005 TD_{81}	17.3	X	149.48491	187.44644	213.15123	10.34436	0.1238292	0.23346717	2.6120742	20	3 21.6	21.4
464914 2005 TS_{83}	17.7	X	259.24369	337.74157	347.41527	5.64197	0.2277753	0.24411784	2.5355355	20	3 27.9	21.7
464915 2005 TF_{104}	16.8	X	134.87520	7.27469	4.94325	13.38768	0.1760683	0.22521305	2.6755127	20	2 13.9	21.0
464916 2005 TO_{133}	17.2	X	135.64728	246.81220	176.86472	10.63690	0.1329244	0.23523046	2.5990043	20	4 9.8	21.1
464917 2005 TW_{141}	17.7	X	130.47505	356.59014	45.63927	6.66996	0.1044763	0.22953109	2.6418513	20	3 6.8	21.5
464918 2005 TJ_{143}	17.2	X	264.55414	269.88757	44.92359	9.37680	0.0591326	0.23996597	2.5646983	20	4 13.0	20.6
464919 2005 TR_{154}	17.2	X	321.74204	12.22555	253.28751	5.06139	0.0839446	0.24340391	2.5404912	20	4 17.5	20.3
464920 2005 TF_{170}	17.1	X	62.28954	254.41042	218.71965	14.67368	0.1134136	0.22710514	2.6606316	20	2 29.6	20.6
464921 2005 UC_{40}	17.3	X	49.81155	236.78978	227.15502	8.76259	0.2178192	0.21858418	2.7293353	20	2 10.4	20.2
464922 2005 UF_{45}	17.2	X	5.05587	85.81445	59.34351	12.43370	0.1445779	0.21997014	2.7178588	20	1 13.2	20.3
464923 2005 UR_{52}	17.2	X	123.56816	243.52394	167.91555	5.18420	0.2122675	0.22796065	2.6539707	20	3 20.6	21.3
464924 2005 UZ_{94}	17.1	X	21.07884	141.53125	324.18329	3.94176	0.1219000	0.21649092	2.7469005	20	—	—
464925 2005 UY_{95}	17.8	X	149.97030	230.37874	159.52376	2.81229	0.1599378	0.22925605	2.6439639	20	3 14.7	21.8
464926 2005 UW_{122}	17.9	X	32.94014	69.88327	11.15480	0.80763	0.2033935	0.21401449	2.7680500	20	—	—
464927 2005 UZ_{161}	16.7	X	155.30513	356.61883	31.48559	33.33648	0.1397828	0.23254066	2.6190078	20	3 30.9	21.1
464928 2005 UL_{165}	17.8	X	165.86535	140.84062	225.89722	1.38337	0.1039464	0.22910655	2.6451139	20	2 26.1	21.7
464929 2005 UZ_{169}	17.1	X	50.35918	20.92314	36.23980	9.67411	0.1842634	0.21385590	2.7694183	20	—	—
464930 2005 UK_{170}	18.1	X	53.52445	103.70184	332.58653	1.30085	0.2362862	0.21648703	2.7469334	20	1 16.5	20.5
464931 2005 UM_{199}	17.4	X	202.47251	106.44523	213.31060	4.33471	0.1240929	0.22725799	2.6594385	20	2 5.1	21.6
464932 2005 UJ_{211}	17.8	X	41.32113	23.40139	59.23906	8.93198	0.1202955	0.21570915	2.7535333	20	—	—
464933 2005 UV_{213}	16.8	X	164.22142	303.12850	62.06832	10.67798	0.2045469	0.23045038	2.6348209	20	3 5.8	21.3
464934 2005 UR_{233}	16.8	X	41.66233	337.69967	212.73363	13.98590	0.0279553	0.23697495	2.5862336	20	5 10.3	20.1
464935 2005 UW_{234}	16.8	X	126.43808	325.25467	59.04567	14.34329	0.2095643	0.22396433	2.6854484	20	2 25.9	21.1
464936 2005 UG_{253}	17.0	X	161.72427	342.47980	33.89638	8.23128	0.1959473	0.23008611	2.6376011	20	3 14.3	21.3
464937 2005 UE_{287}	17.1	X	178.20582	154.64468	182.79450	6.06903	0.0464374	0.22593578	2.6698040	20	1 30.2	21.0
464938 2005 UV_{293}	17.6	X	187.15697	350.32670	14.06149	3.34204	0.1679589	0.23239266	2.6201196	20	3 17.9	21.9
464939 2005 UH_{325}	17.3	X	100.55013	241.29930	186.63953	6.42555	0.1695422	0.22804656	2.6533041	20	3 8.6	20.9
464940 2005 UO_{330}	17.0	X	324.21666	192.26098	68.35989	7.33861	0.0695676	0.23595439	2.5936857	20	4 21.3	20.1
464941 2005 UT_{397}	17.0	X	117.79699	346.20248	53.56841	9.63354	0.3953930	0.22421797	2.6834228	20	3 23.7	21.7
464942 2005 UG_{401}	17.4	X	23.16879	291.33670	206.99447	7.07318	0.2403613	0.21872897	2.7281308	20	2 1.0	19.7
464943 2005 UZ_{483}	17.1	X	159.00990	187.08009	184.05025	11.85664	0.1838486	0.23024820	2.6363631	20	2 28.9	21.5
464944 2005 UY_{509}	16.8	X	175.78985	13.80050	10.50339	13.93981	0.2597662	0.23357428	2.6112756	20	4 2.6	21.3
464945 2005 US_{513}	17.3	X	152.62855	298.34837	90.30638	2.98699	0.1965384	0.23204370	2.6227458	20	3 19.4	21.5
464946 2005 VN_{16}	17.2	X	188.18828	301.15887	74.80463	5.40581	0.2660695	0.23578323	2.5949407	20	4 4.6	21.8
464947 2005 VS_{27}	17.3	X	159.88052	317.86401	22.93953	5.56981	0.0765504	0.22305711	2.6927250	20	1 19.5	21.3
464948 2005 VE_{37}	16.8	X	148.02684	353.95947	33.42948	13.65171	0.0897598	0.22850954	2.6497190	20	3 9.7	20.8
464949 2005 VT_{49}	16.9	X	133.05156	357.65859	42.79763	14.43428	0.1676046	0.22559312	2.6725068	20	3 18.7	21.1
464950 2005 VE_{72}	16.9	X	167.44649	119.40405	227.16365	10.25348	0.1980332	0.22493739	2.6776982	20	2 6.3	21.5
464951 2005 VU_{73}	17.5	X	32.65306	52.59926	70.54564	14.03204	0.2145358	0.21734136	2.7397302	20	2 9.8	20.2
464952 2005 VZ_{81}	16.7	X	134.96328	196.90020	200.64588	13.23295	0.1676259	0.22760598	2.6567271	20	3 6.9	20.9
464953 2005 VT_{128}	17.4	X	119.47616	298.98297	115.76395	3.29782	0.2078056	0.22919793	2.6444108	20	3 21.0	21.4
464954 2005 WG_{9}	17.7	X	357.17050	59.45883	59.68602	9.18475	0.2456127	0.21042003	2.7994840	20	—	—
464955 2005 WK_{11}	17.8	X	31.59024	239.34320	231.22970	2.44847	0.1518981	0.21717241	2.7411509	20	1 13.2	20.5
464956 2005 WD_{15}	17.0	X	135.97447	320.00821	59.27522	3.42778	0.1324320	0.22253911	2.6969019	20	2 15.6	20.9
464957 2005 WX_{15}	15.6	X	279.07140	29.61186	65.62817	8.75388	0.1429625	0.12455557	3.9709458	20	10 11.4	21.0
464958 2005 WW_{36}	16.7	X	86.89379	313.21592	76.74551	7.64595	0.2980386	0.21625984	2.7488569	20	1 25.5	20.0
464959 2005 WC_{73}	16.5	X	84.93923	29.94935	70.95799	14.71345	0.2153749	0.22330280	2.6907495	20	4 15.8	20.3
464960 2005 WL_{86}	17.1	X	101.01293	21.65311	72.31232	7.05020	0.0174279	0.22821839	2.6519722	20	3 25.2	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
464961 2005 WQ_{111}	16.7	X	99.77349	335.72835	75.17558	11.15672	0.2265454	0.22113667	2.7082923	20	3 1.5	20.6
464962 2005 WC_{119}	16.2	X	127.71736	165.48286	247.01929	13.57852	0.0817642	0.22605747	2.6688457	20	3 4.0	20.3
464963 2005 WS_{124}	17.5	X	354.34467	268.70489	266.22397	3.70480	0.0535192	0.22061963	2.7125221	20	2 10.0	21.0
464964 2005 WJ_{133}	17.6	X	119.07619	356.59706	65.17043	4.07161	0.0474209	0.22459388	2.6804277	20	3 9.8	21.3
464965 2005 WT_{155}	17.5	X	61.44595	233.76523	192.54560	8.51152	0.2645452	0.21585864	2.7522619	20	1 21.0	20.3
464966 2005 WQ_{165}	17.6	X	184.06790	286.59853	71.89985	4.93411	0.1674007	0.22963735	2.6410363	20	3 10.4	22.0
464967 2005 WU_{188}	16.8	X	67.69421	328.20890	86.49681	9.46671	0.2687235	0.21564868	2.7540480	20	1 21.3	19.6
464968 2005 XN_{47}	16.9	X	100.72815	129.84850	296.89406	6.21955	0.2097915	0.22129727	2.7069818	20	3 11.6	20.8
464969 2005 XE_{55}	16.4	X	134.34935	97.83682	281.26330	11.38413	0.2420784	0.22284236	2.6944547	20	2 18.9	20.9
464970 2005 XW_{55}	17.4	X	36.86271	49.89565	69.69238	9.72464	0.1629922	0.21755121	2.7379681	20	2 9.6	20.4
464971 2005 XF_{89}	16.9	X	63.85691	28.97824	82.63577	8.99820	0.2269462	0.21940160	2.7225520	20	3 29.9	20.1
464972 2005 XT_{99}	17.8	X	72.69013	32.64642	57.60561	3.20171	0.0355713	0.22725341	2.6594742	20	2 11.9	21.1
464973 2005 YW_{15}	17.1	X	50.99769	344.64944	114.96112	9.37071	0.2124737	0.21336855	2.7736337	20	2 12.9	19.8
464974 2005 YB_{29}	16.4	X	167.51333	267.34115	76.62490	6.94466	0.0374064	0.21461884	2.7628511	20	1 29.9	20.4
464975 2005 YH_{48}	17.0	X	95.69073	107.95732	295.43862	3.25127	0.0760248	0.21116859	2.7928643	20	1 20.5	20.7
464976 2005 YO_{100}	17.2	X	102.09447	310.71769	66.39813	7.91123	0.1296392	0.21213323	2.7843911	20	1 3.8	20.8
464977 2005 YQ_{195}	17.1	X	219.54794	81.48026	244.12997	4.92727	0.0339308	0.22009855	2.7168016	20	3 2.6	20.9
464978 2005 YN_{203}	17.5	X	98.07130	311.97147	105.94782	0.68599	0.0616803	0.21523921	2.7575398	20	2 8.4	21.2
464979 2005 YJ_{206}	17.6	X	17.53243	29.59698	120.67178	17.03265	0.2178239	0.21393768	2.7687125	20	2 11.7	20.1
464980 2005 YW_{265}	17.1	X	137.06532	319.51910	74.83056	6.81178	0.1041805	0.22317851	2.6917484	20	3 5.2	21.1
464981 2006 AQ_{11}	16.8	X	38.14442	13.44071	123.56167	10.34349	0.0969042	0.21666603	2.7454202	20	3 2.2	20.1
464982 2006 AB_{14}	16.7	X	90.29630	342.74611	118.26350	13.18951	0.1251322	0.22116020	2.7081002	20	4 8.7	20.5
464983 2006 AF_{91}	17.5	X	103.29396	117.37241	293.56442	5.09186	0.0308995	0.21499000	2.7596704	20	2 1.1	21.1
464984 2006 AA_{97}	18.5	X	175.64470	307.37203	147.41207	5.47873	0.2793084	0.30517592	2.1849217	20	6 28.8	22.4
464985 2006 BX_{24}	16.6	X	106.16519	104.03482	294.99249	8.13235	0.1881312	0.21433940	2.7652519	20	2 11.2	20.4
464986 2006 BP_{26}	16.9	X	229.77699	156.88432	136.37773	5.34752	0.0340368	0.21441889	2.7645685	20	2 6.5	20.8
464987 2006 BM_{73}	16.7	X	32.69886	29.89653	101.25488	5.29840	0.0512722	0.21167809	2.7883810	20	2 12.6	20.2
464988 2006 BB_{77}	17.5	X	28.86342	336.09877	137.23298	8.76975	0.1773814	0.21005394	2.8027358	20	1 13.7	20.2
464989 2006 BK_{102}	17.1	X	93.05816	228.73133	181.54746	1.84672	0.2121878	0.21150253	2.7899238	20	2 14.3	20.7
464990 2006 BU_{113}	17.2	X	32.42010	154.82439	325.58034	4.55839	0.0348838	0.20985420	2.8045140	20	1 28.6	20.9
464991 2006 BQ_{118}	18.3	X	87.73528	257.32317	310.60589	5.24244	0.1188105	0.30149547	2.2026671	20	8 25.6	21.1
464992 2006 BN_{136}	17.2	X	134.10606	283.72362	109.05702	4.48782	0.1018772	0.21468847	2.7622537	20	2 27.6	21.2
464993 2006 BK_{145}	16.6	X	25.18138	214.49657	284.02092	7.03076	0.1310338	0.21198638	2.7856769	20	2 8.2	19.8
464994 2006 BD_{256}	16.3	X	162.29738	289.54571	22.15066	2.07667	0.0652781	0.19891250	2.9064398	20	—	—
464995 2006 DE_{28}	18.5	X	104.59618	189.33090	355.67494	5.74386	0.0905353	0.29912364	2.2142954	20	8 13.5	21.3
464996 2006 DC_{33}	15.9	X	88.84133	31.48872	354.14678	8.63405	0.1060833	0.19679540	2.9272474	20	—	—
464997 2006 DA_{79}	19.0	X	142.46240	161.75736	329.80584	4.17842	0.0857321	0.29835635	2.2180901	20	7 13.4	21.9
464998 2006 DS_{91}	17.8	X	117.71356	46.66453	25.51863	4.05996	0.2182575	0.28413091	2.2915204	20	4 6.9	20.9
464999 2006 DB_{95}	18.9	X	158.36106	255.89032	357.47290	19.71916	0.0895599	0.38899321	1.8585519	20	—	—
465000 2006 DX_{98}	18.7	X	82.58255	264.08907	329.40894	1.95916	0.1520046	0.30404739	2.1903249	20	9 29.1	21.5
465001 2006 DV_{104}	18.2	X	52.15466	290.06798	328.12365	3.24185	0.1114872	0.30103695	2.2049031	20	9 18.4	20.5
465002 2006 DL_{125}	17.3	X	260.54794	14.23809	211.57169	0.20723	0.1177740	0.19890802	2.9064834	20	—	—
465003 2006 DO_{131}	18.3	X	131.39764	69.00681	81.76199	4.20562	0.0976405	0.29963989	2.2117513	20	7 28.5	21.3
465004 2006 EE_{49}	18.4	X	75.43001	247.86248	5.00552	7.46067	0.0953641	0.30609902	2.1805268	20	10 10.5	21.0
465005 2006 FG_{31}	16.7	X	53.24535	241.38301	182.94244	11.08186	0.0892407	0.19737899	2.9214745	20	—	—
465006 2006 FT_{41}	16.8	X	240.99554	71.61834	176.91914	4.92600	0.0732697	0.19266538	2.9689321	20	—	—
465007 2006 FZ_{41}	18.2	X	12.23763	256.88125	48.54983	4.07071	0.2104730	0.29523482	2.2336974	20	10 13.9	20.1
465008 2006 GV_{14}	18.6	X	28.27792	108.70288	178.37053	6.19468	0.1826153	0.29668729	2.2264012	20	10 8.5	20.7
465009 2006 GN_{33}	17.9	X	32.27259	81.01194	178.65865	4.87552	0.1640183	0.29330353	2.2434920	20	8 28.2	20.2
465010 2006 GH_{37}	17.7	X	353.69350	256.60057	50.08279	7.27430	0.1923421	0.29081249	2.2562853	20	9 4.0	19.3
465011 2006 HQ_{14}	17.9	X	28.58352	251.74550	34.59815	5.73303	0.1856805	0.29581344	2.2307836	20	10 8.7	20.1
465012 2006 HA_{41}	16.8	X	263.29207	108.35071	120.98334	11.99387	0.0352628	0.19072725	2.9890113	20	1 2.1	21.0
465013 2006 HG_{64}	16.2	X	308.09386	86.99373	59.50162	10.65611	0.0100494	0.18476240	3.0530013	20	—	—
465014 2006 HJ_{77}	16.7	X	215.27715	132.98324	122.30973	11.25083	0.1476191	0.18469205	3.0537765	20	—	—
465015 2006 HH_{115}	18.4	X	58.99633	207.15348	43.96176	6.50789	0.1430635	0.29622729	2.2287054	20	9 26.0	21.1
465016 2006 HK_{154}	16.7	X	218.41504	121.64340	132.37227	4.10093	0.0434027	0.18592538	3.0402567	20	—	—
465017 2006 JY_{9}	16.3	X	13.49509	215.52221	236.36156	10.22862	0.0786763	0.18693611	3.0292881	20	—	—
465018 2006 JJ_{13}	16.1	X	117.02842	251.15547	79.73837	10.82851	0.2151440	0.17715248	3.1398186	20	—	—
465019 2006 JP_{21}	16.2	X	115.75545	248.98830	93.23064	10.87179	0.0866647	0.18240517	3.0792477	20	—	—
465020 2006 JX_{32}	15.9	X	73.47881	223.68024	146.32942	11.27714	0.1221853	0.17885747	3.1198328	20	—	—
465021 2006 JS_{36}	18.2	X	118.06040	50.93165	203.50382	19.23561	0.0450512	0.37680878	1.8984043	20	12 18.0	20.7
465022 2006 JY_{38}	18.3	X	8.51332	246.53469	44.69626	6.65474	0.2153596	0.29126067	2.2539701	20	9 15.9	20.0
465023 2006 JK_{41}	15.8	X	286.62706	10.03676	184.52025	15.24294	0.0390936	0.18822779	3.0154136	20	—	—
465024 2006 KE_{32}	18.5	X	38.86474	357.38649	242.79744	2.39373	0.1213637	0.28935903	2.2638346	20	8 1.0	20.7
465025 2006 KK_{35}	16.0	X	352.72075	25.39244	58.28070	10.17759	0.0250288	0.17949093	3.1124882	20	—	—
465026 2006 KH_{45}	18.3	X	55.47200	142.97721	67.22263	5.62034	0.1114990	0.28797175	2.2710993	20	7 13.2	20.7
465027 2006 KJ_{51}	17.0	X	220.26004	182.95983	87.57273	5.28248	0.2324506	0.18634896	3.0356479	20	—	—
465028 2006 KW_{51}	15.8	X	41.37649	300.94619	82.46054	10.47100	0.1042133	0.17561676	3.1580966	20	—	—
465029 2006 KJ_{59}	18.0	X	77.40044	110.63575	106.32835	7.22881	0.1341152	0.29267671	2.2466941	20	8 30.5	20.9
465030 2006 KH_{62}	16.7	X	145.45819	131.59736	192.52173	7.22633	0.1888635	0.18085170	3.0968558	20	—	—
465031 2006 KL_{70}	16.9	X	266.87789	330.79138	220.36405	15.38800	0.1841050	0.18550983	3.0447953	20	—	—
465032 2006 KT_{87}	18.5	X	14.36402	10.05635	249.83967	2.33165	0.1600044	0.28712672	2.2755531	20	7 22.3	20.2
465033 2006 MC_{12}	17.7	X	307.77127	202.71086	127.48774	12.47958	0.2787880	0.27750914	2.3278296	20	5 30.9	20.3
465034 2006 PK_{3}	16.3	X	183.82583	211.33043	122.87680	12.56766	0.2913839	0.18245383	3.0787002	20	2 16.2	21.9
465035 2006 PO_{25}	16.4	X	150.48326	199.14414	137.09408	6.20097	0.3246144	0.17541451	3.1605236	20	1 28.1	22.0
465036 2006 QK_{13}	15.9	X	254.55159	77.17690	153.88621	26.28747	0.2125491	0.17941080	3.1134148	20	—	—
465037 2006 QH_{23}	17.7	X	172.20222	299.70507	97.79254	3.73140	0.2579605	0.25657492	2.4527874	20	4 17.0	22.0
465038 2006 QP_{26}	17.6	X	36.23705	114.90570	163.35566	21.40363	0.2491072	0.28638367	2.2794875	20	10 20.6	20.7
465039 2006 QT_{61}	17.6	X	266.41043	66.35546	289.58838	5.55241	0.2559612	0.27005781	2.3704541	20	5 9.1	21.2
465040 2006 QN_{62}	18.3	X	352.92762	183.35041	130.16370	4.42198	0.3248612	0.28257413	2.2999291	20	10 1.9	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465041 2006 QA_{64}	17.6	X	203.23767	217.38722	167.93434	11.80781	0.2666897	0.26021532	2.4298575	20	4 26.3	22.0
465042 2006 QG_{74}	18.2	X	311.38699	297.20467	26.46028	1.57240	0.1994850	0.27502503	2.3418257	20	6 8.3	20.4
465043 2006 QE_{81}	17.9	X	273.88679	169.62050	176.68039	4.68927	0.1695910	0.27046227	2.3680903	20	5 19.6	21.0
465044 2006 QA_{106}	16.2	X	136.99056	161.77831	162.34683	18.28806	0.2199779	0.16975389	3.2303995	20	—	—
465045 2006 QO_{114}	17.9	X	268.86991	114.55426	219.20530	4.41593	0.1323011	0.26859199	2.3790707	20	4 30.1	21.1
465046 2006 QW_{148}	17.8	X	278.68034	246.79937	89.17654	2.47531	0.1821348	0.26854184	2.3793668	20	5 9.1	20.9
465047 2006 RW_{33}	17.9	X	214.96498	231.70032	140.63511	2.14852	0.2270497	0.26124424	2.4234732	20	4 18.5	22.0
465048 2006 RY_{41}	17.6	X	199.48736	191.76960	195.18793	0.67714	0.1903121	0.25863147	2.4397677	20	4 23.9	21.5
465049 2006 RG_{61}	17.8	X	46.27329	215.75809	170.76934	23.40789	0.0800085	0.37631521	1.9000639	20	—	—
465050 2006 RM_{74}	17.8	X	13.20786	102.01209	176.05756	6.45259	0.2360746	0.27860141	2.3217414	20	8 30.8	19.4
465051 2006 RW_{80}	18.2	X	15.49040	105.58413	166.58850	2.01105	0.1720292	0.27689375	2.3312774	20	8 15.2	20.2
465052 2006 RE_{81}	17.7	X	210.59610	1.93486	5.76208	6.60965	0.1164596	0.25907398	2.4369887	20	4 10.6	21.5
465053 2006 RC_{84}	16.3	X	208.73426	88.68890	189.59154	15.68937	0.2133452	0.17231822	3.1982709	20	—	—
465054 2006 SY_{3}	16.0	X	175.42024	141.47462	194.46653	27.73279	0.1984172	0.17499321	3.1655942	20	2 4.4	21.7
465055 2006 SE_{11}	18.0	X	289.71434	142.68045	182.42925	2.94386	0.2233350	0.26969881	2.3725572	20	5 2.1	20.8
465056 2006 SD_{12}	16.1	X	174.72822	124.68758	199.58424	26.32030	0.2921266	0.17407910	3.1766666	20	1 24.8	22.2
465057 2006 SU_{31}	16.3	X	218.35711	99.45387	190.92118	18.04626	0.1501704	0.17561357	3.1581348	20	1 19.9	21.8
465058 2006 SZ_{35}	17.7	X	313.83606	286.88159	45.03895	6.35417	0.2691460	0.27561633	2.3384751	20	6 13.3	19.5
465059 2006 SF_{41}	18.0	X	267.74519	203.70335	144.25420	2.32515	0.2155752	0.26759072	2.3850016	20	5 7.6	21.4
465060 2006 SK_{41}	18.0	X	265.76176	169.83457	154.11270	2.74542	0.2176472	0.26396948	2.4067644	20	4 3.8	21.4
465061 2006 SB_{61}	17.4	X	289.51160	187.14477	151.84766	6.12109	0.2717298	0.27011113	2.3701421	20	5 14.9	20.4
465062 2006 SJ_{76}	17.9	X	299.65918	270.52942	33.00342	8.00736	0.0995115	0.26344390	2.4099643	20	5 5.0	20.7
465063 2006 SM_{89}	17.7	X	328.00202	319.46326	3.83469	4.08569	0.2313799	0.27491036	2.3424769	20	7 14.2	19.1
465064 2006 SY_{95}	18.0	X	189.63950	340.33866	49.09208	2.20371	0.1856354	0.25562605	2.4588534	20	4 18.8	22.1
465065 2006 SF_{107}	16.5	X	191.04781	320.88273	3.83322	4.14706	0.2806848	0.17806526	3.1290794	20	2 10.3	22.2
465066 2006 SC_{112}	17.2	X	262.10732	291.69394	65.70986	10.43109	0.2746994	0.26785246	2.3834477	20	5 7.9	20.9
465067 2006 SU_{121}	17.9	X	208.03206	200.97760	185.14391	9.86446	0.2383940	0.26178408	2.4201404	20	4 30.5	22.1
465068 2006 SR_{202}	16.2	X	216.11209	95.34231	188.12127	12.75711	0.0727114	0.17213893	3.2004913	20	1 13.4	21.3
465069 2006 SE_{213}	16.7	X	217.85409	218.25838	152.59178	15.73215	0.2057339	0.25734758	2.4478755	20	4 23.9	21.0
465070 2006 SV_{229}	18.1	X	164.92313	181.46684	219.54374	5.48082	0.1270740	0.25443542	2.4665183	20	4 7.3	21.9
465071 2006 SJ_{246}	16.4	X	167.29954	162.54476	177.33339	9.58278	0.0800110	0.17408216	3.1766293	20	1 29.9	21.4
465072 2006 SR_{301}	15.1	X	179.33799	273.74614	63.90393	25.94049	0.2798439	0.17499867	3.1655284	20	2 27.6	21.2
465073 2006 ST_{346}	18.1	X	315.26053	78.96337	232.85652	3.97251	0.2350112	0.27087339	2.3656935	20	5 21.6	19.9
465074 2006 SP_{356}	17.6	X	283.34605	270.30043	55.06816	4.25217	0.2607792	0.26616133	2.3935329	20	4 19.3	20.9
465075 2006 SA_{357}	17.4	X	200.39443	278.07567	99.52331	3.39566	0.2054924	0.25569787	2.4583930	20	4 14.4	21.4
465076 2006 SG_{365}	17.9	X	249.81224	19.05968	329.23486	3.87842	0.2525225	0.26334233	2.4105840	20	4 13.7	21.8
465077 2006 SU_{367}	15.6	X	204.94702	270.51159	32.68848	25.06544	0.3485237	0.17998361	3.1068056	20	2 3.0	21.9
465078 2006 SX_{410}	17.7	X	32.62598	299.67719	247.61676	1.51433	0.1118399	0.25646129	2.4535119	20	4 26.9	20.2
465079 2006 TX_{52}	17.1	X	301.59681	255.97019	51.24691	11.24896	0.2035221	0.26285869	2.4135400	20	4 28.4	19.9
465080 2006 TT_{79}	17.8	X	172.29822	118.88829	294.10472	4.79807	0.0475631	0.25530545	2.4609115	20	4 26.4	21.2
465081 2006 TY_{103}	17.6	X	114.18193	198.88813	211.18269	13.64577	0.0971009	0.24238663	2.5475943	20	2 15.6	21.3
465082 2006 TE_{105}	17.5	X	96.81864	33.98608	45.14756	8.52764	0.2109567	0.24241572	2.5473906	20	3 27.7	20.9
465083 2006 TH_{127}	17.4	X	255.23359	355.52968	313.32504	4.07704	0.1918633	0.25527916	2.4610804	20	3 6.4	21.2
465084 2006 TW_{127}	17.9	X	192.38464	261.60730	118.87376	2.14123	0.1554360	0.25240245	2.4797449	20	4 10.8	21.9
465085 2006 UD_{10}	18.0	X	62.51394	242.68855	190.91437	3.20562	0.2366308	0.23376354	2.6098660	20	1 25.9	20.3
465086 2006 UH_{17}	17.6	X	99.21506	10.06838	34.58534	6.64655	0.2018475	0.23904509	2.5712807	20	2 13.2	20.9
465087 2006 UU_{39}	18.1	X	313.84741	55.97055	248.84049	1.44310	0.1920853	0.26629987	2.3927028	20	5 15.6	20.4
465088 2006 UC_{57}	17.9	X	328.87936	93.24060	211.06132	8.20270	0.1966254	0.27460203	2.3442300	20	6 15.5	19.8
465089 2006 UF_{59}	16.4	X	162.75578	82.11871	222.73093	16.54340	0.1707686	0.16279522	3.3218112	20	—	—
465090 2006 UZ_{71}	17.9	X	271.95022	46.16782	308.40914	5.46186	0.1472593	0.26957769	2.3732678	20	5 30.2	21.1
465091 2006 UV_{81}	18.0	X	216.18968	286.51453	81.11941	2.64559	0.1824081	0.25610848	2.4557647	20	4 15.7	21.9
465092 2006 UG_{89}	17.6	X	285.32864	316.26821	24.95857	3.94570	0.2141661	0.26671864	2.3901976	20	5 18.9	20.7
465093 2006 UQ_{103}	17.9	X	297.97459	170.15125	144.22823	1.89449	0.1928139	0.26422145	2.4052340	20	5 4.1	20.6
465094 2006 UM_{118}	18.0	X	85.32705	250.24082	193.55747	2.38058	0.2743979	0.24080584	2.5587315	20	3 25.0	21.1
465095 2006 UB_{140}	17.1	X	295.68883	19.33396	258.94033	7.19331	0.0894482	0.25272879	2.4776097	20	3 24.2	20.4
465096 2006 UT_{186}	17.5	X	311.54937	68.04438	259.47648	9.13520	0.1969012	0.27302954	2.3532223	20	6 15.5	19.6
465097 2006 UE_{191}	16.7	X	46.76403	31.01629	5.19459	13.26919	0.2477159	0.22720294	2.6598680	20	—	—
465098 2006 UQ_{217}	16.5	X	250.50501	240.23727	84.61168	22.22663	0.5901709	0.19067778	2.9895282	20	3 12.8	23.0
465099 2006 UY_{236}	17.9	X	167.66849	8.17317	41.43502	12.34455	0.1069989	0.25415029	2.4683627	20	4 22.5	21.4
465100 2006 UQ_{245}	18.2	X	206.13673	118.68224	32.34650	21.26320	0.0752461	0.35383034	1.9797302	20	11 4.6	20.3
465101 2006 UE_{252}	17.8	X	275.09444	296.92477	5.50855	0.34555	0.1808169	0.25813826	2.4428744	20	3 20.8	21.4
465102 2006 UO_{273}	18.0	X	312.40341	356.15983	325.54983	2.74834	0.1987363	0.26687948	2.3892372	20	6 6.9	20.3
465103 2006 UJ_{276}	17.8	X	272.74346	118.72186	229.19699	1.43830	0.0715118	0.26571830	2.3961927	20	6 4.0	20.7
465104 2006 UM_{288}	17.2	X	136.34018	89.07971	320.23993	2.94183	0.2162026	0.24107993	2.5567917	20	3 28.1	21.3
465105 2006 UD_{290}	18.3	X	81.19332	149.59169	298.54341	2.98535	0.2009908	0.24073848	2.5592087	20	3 11.8	21.4
465106 2006 VF_{17}	18.0	X	276.25713	320.74791	14.94894	1.42752	0.1959126	0.26303891	2.4124374	20	5 2.7	21.1
465107 2006 VQ_{18}	17.3	X	328.26005	61.45499	245.45158	6.89209	0.2208566	0.26896782	2.3768540	20	6 14.6	19.0
465108 2006 VR_{26}	17.8	X	84.55920	212.61013	236.93176	4.15936	0.2438991	0.23919426	2.5702116	20	3 25.4	21.0
465109 2006 VA_{31}	17.0	X	156.82133	128.79422	245.94106	13.92877	0.1340961	0.24309555	2.5426390	20	2 21.5	21.1
465110 2006 VB_{34}	17.5	X	343.13494	130.94096	232.15048	19.09855	0.1019620	0.35219199	1.9858650	20	11 17.2	18.7
465111 2006 VF_{61}	17.8	X	112.33524	23.98600	53.60071	3.44347	0.1730256	0.24368873	2.5385112	20	4 5.6	21.3
465112 2006 VE_{65}	18.3	X	124.15241	1.94010	66.48806	3.41582	0.1806984	0.24448294	2.5330106	20	4 7.9	22.0
465113 2006 VS_{70}	17.6	X	105.33011	331.19067	68.33472	4.86539	0.1948325	0.23651388	2.5895937	20	2 12.7	21.0
465114 2006 VA_{108}	17.6	X	256.11992	5.39281	339.21325	1.65657	0.1789295	0.25899535	2.4374819	20	4 23.5	21.1
465115 2006 WA_{83}	17.4	X	175.77105	328.39605	67.27451	6.45002	0.2285497	0.25217103	2.4812618	20	4 17.5	21.6
465116 2006 WB_{100}	17.4	X	227.37247	261.79788	129.07126	4.28580	0.1599993	0.26191004	2.4193644	20	5 27.6	21.1
465117 2006 WU_{104}	18.3	X	69.09334	2.18379	100.80498	2.22247	0.1815123	0.23768031	2.5811144	20	3 12.9	21.0
465118 2006 WU_{107}	17.4	X	117.91854	130.88859	293.29094	2.26525	0.2801221	0.24247023	2.5470087	20	4 4.6	21.3
465119 2006 WV_{110}	17.6	X	288.56513	76.54370	242.33864	6.78710	0.2169509	0.25931313	2.4354901	20	4 21.2	20.7
465120 2006 WW_{117}	17.1	X	58.81907	341.29889	109.31758	13.95563	0.2511500	0.22916441	2.6446686	20	2 20.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465121 2006 WP_{134}	15.8	X	58.89758	357.92695	26.87516	14.01270	0.1181602	0.15410522	3.4455441	20	—	—
465122 2006 WL_{157}	17.8	X	67.22984	81.22382	8.61514	5.84304	0.3374062	0.23598788	2.5934403	20	3 18.0	20.3
465123 2006 WL_{170}	18.4	X	82.29449	228.27868	215.57244	1.58350	0.1773807	0.23764247	2.5813883	20	3 4.9	21.4
465124 2006 WW_{175}	17.4	X	130.07735	170.59548	209.94722	3.85816	0.2904089	0.23878782	2.5731273	20	2 23.3	21.5
465125 2006 WY_{190}	17.6	X	116.08563	25.79588	48.01911	1.23413	0.1483718	0.24158909	2.5531981	20	4 1.2	21.0
465126 2006 WF_{204}	17.4	X	121.20364	280.85140	137.56921	7.71432	0.1788729	0.23579411	2.5948609	20	3 24.6	21.2
465127 2006 XB_{56}	17.1	X	168.79705	287.55527	104.93007	7.87551	0.1579791	0.24099110	2.5574199	20	4 7.6	21.3
465128 2006 XY_{61}	17.5	X	101.68061	347.70003	94.47146	10.07831	0.1328041	0.23829077	2.5767042	20	3 28.8	21.1
465129 2006 XG_{66}	17.6	X	82.76240	349.85643	68.60352	6.85585	0.3249292	0.23352412	2.6116494	20	2 29.6	20.8
465130 2006 XG_{67}	16.7	X	163.77594	124.59083	261.53541	3.83631	0.2711164	0.24231443	2.5481004	20	3 25.5	21.2
465131 2006 YO_{9}	16.9	X	104.60040	144.27483	277.84416	8.68031	0.1872119	0.23801251	2.5787121	20	3 3.9	20.5
465132 2006 YG_{15}	17.2	X	125.76969	100.85413	298.45475	2.98199	0.2132288	0.24050044	2.5608971	20	3 5.2	21.0
465133 2006 YH_{17}	17.2	X	49.65533	204.49533	252.95599	4.26739	0.2727598	0.22922194	2.6442262	20	2 6.9	19.3
465134 2006 YQ_{17}	16.5	X	95.56682	144.81130	304.33728	11.65090	0.2010767	0.23417862	2.6067810	20	3 28.2	20.3
465135 2006 YV_{26}	17.5	X	78.49829	351.29833	87.53215	5.93699	0.1191387	0.23254658	2.6189633	20	2 16.2	20.6
465136 2006 YF_{48}	17.2	X	116.54442	295.52723	107.25226	14.39166	0.1400778	0.23266691	2.6180603	20	2 25.2	21.0
465137 2007 AK_{23}	16.8	X	25.40286	296.07967	127.84417	14.17418	0.0845870	0.21628208	2.7486685	20	—	—
465138 2007 AB_{28}	17.1	X	13.16952	78.44465	125.91238	15.91254	0.1016191	0.23909481	2.5709242	20	4 25.7	20.3
465139 2007 BD_{2}	16.7	X	346.42652	228.73926	320.49365	12.45064	0.1900168	0.22705619	2.6610139	20	2 2.1	19.4
465140 2007 BA_{3}	17.8	X	94.57211	338.10727	101.72265	6.78616	0.2487362	0.23539589	2.5977865	20	4 1.1	21.4
465141 2007 BH_{37}	17.5	X	47.51062	197.68103	300.40228	2.01956	0.0675502	0.23385404	2.6091926	20	3 10.1	20.7
465142 2007 BG_{45}	17.7	X	61.87156	303.75125	142.46610	10.38600	0.3566083	0.22987686	2.6392014	20	3 8.5	20.1
465143 2007 BC_{59}	17.6	X	76.67367	329.92188	108.11675	10.08799	0.1475342	0.23031167	2.6358787	20	2 17.1	20.7
465144 2007 BK_{76}	17.6	X	109.23308	334.87356	118.88784	8.42384	0.0943031	0.24028523	2.5624260	20	4 15.6	21.2
465145 2007 BE_{81}	17.4	X	11.33041	43.60791	133.98716	14.17436	0.1105047	0.23063908	2.6333835	20	3 11.5	20.4
465146 2007 CZ_{2}	18.1	X	61.00631	304.97825	158.95728	4.31320	0.2116189	0.23016941	2.6369647	20	3 4.9	20.6
465147 2007 CG_{8}	17.7	X	63.05739	349.54374	95.01418	4.32533	0.2169638	0.22964349	2.6409892	20	2 12.3	20.2
465148 2007 CJ_{29}	16.6	X	203.38277	231.85048	132.57396	15.51630	0.1088245	0.24037245	2.5618061	20	4 7.3	20.8
465149 2007 CG_{31}	17.1	X	323.44345	93.08315	140.33506	7.71404	0.1734384	0.23044112	2.6348915	20	2 26.5	20.2
465150 2007 CW_{32}	17.1	X	285.14017	339.51432	315.40403	8.38965	0.1142418	0.23797121	2.5790105	20	3 29.4	20.8
465151 2007 CL_{37}	17.1	X	95.96297	86.04872	320.60835	13.34178	0.0926201	0.22533807	2.6745230	20	1 26.7	20.5
465152 2007 CD_{48}	15.6	X	261.14940	307.72679	171.88625	7.10447	0.1683821	0.12442257	3.9737749	20	10 12.5	21.2
465153 2007 CT_{56}	17.0	X	310.35132	358.20472	159.62051	9.29291	0.2609867	0.21346311	2.7728146	20	—	—
465154 2007 CR_{57}	16.9	X	53.34772	11.34661	116.35968	14.78262	0.1879691	0.23145482	2.6271925	20	3 28.2	19.9
465155 2007 DC_{6}	16.7	X	329.51682	144.35980	342.84881	14.68199	0.1336091	0.21135781	2.7911972	20	—	—
465156 2007 DU_{11}	18.0	X	71.27500	344.40117	110.91742	3.24433	0.1770484	0.23227664	2.6209920	20	3 6.2	20.9
465157 2007 DW_{12}	17.1	X	89.12637	258.67060	182.50014	4.07997	0.2604381	0.23248818	2.6194019	20	3 25.4	20.4
465158 2007 DP_{32}	17.0	X	59.77724	141.59747	349.63696	11.81252	0.1258995	0.22996600	2.6385194	20	3 25.7	20.0
465159 2007 DO_{33}	17.6	X	33.92310	26.73214	144.67568	4.99363	0.1254511	0.23071558	2.6328014	20	4 11.6	20.4
465160 2007 DW_{41}	16.4	X	29.84098	176.78421	300.39070	13.03801	0.0846622	0.22386902	2.6862106	20	1 18.2	19.5
465161 2007 DX_{41}	16.7	X	65.91799	8.55289	141.13121	12.58285	0.1226510	0.23629708	2.5911774	20	5 6.9	20.1
465162 2007 DM_{55}	17.2	X	321.15941	259.11607	358.85192	10.81482	0.1670536	0.23041896	2.6350604	20	3 26.4	20.2
465163 2007 DY_{69}	17.8	X	51.39263	91.44203	351.45727	4.23537	0.2348996	0.22219772	2.6996636	20	1 20.5	20.2
465164 2007 DZ_{113}	16.3	X	84.91292	118.14170	344.10402	21.90785	0.1252645	0.23297399	2.6157591	20	3 20.3	19.8
465165 2007 DV_{115}	17.7	X	35.80633	135.00736	326.11758	4.20912	0.0754009	0.22100116	2.7093993	20	1 7.1	20.9
465166 2007 EL	19.5	X	348.74464	299.33559	357.26187	34.32530	0.2759233	0.53818902	1.4968542	20	10 8.5	20.2
465167 2007 EE_{14}	17.2	X	15.69237	11.49346	126.97564	6.66677	0.2618269	0.22415015	2.6839640	20	1 11.9	19.4
465168 2007 EM_{16}	17.0	X	321.78986	63.70803	139.77123	9.48785	0.2110346	0.21964723	2.7205219	20	1 10.8	20.7
465169 2007 EE_{43}	16.5	X	305.98887	64.57295	179.52776	12.57754	0.1007274	0.22281441	2.6946800	20	2 25.4	20.1
465170 2007 EW_{52}	17.3	X	83.93451	91.33392	347.37304	12.84537	0.2601751	0.22755802	2.6571003	20	3 14.4	20.5
465171 2007 EE_{53}	16.2	X	291.41589	214.42370	348.40899	13.88508	0.0474705	0.21434775	2.7651802	20	—	—
465172 2007 EZ_{63}	17.4	X	73.15961	120.90837	334.66398	3.95615	0.1313308	0.23074050	2.6326119	20	3 1.1	20.6
465173 2007 EY_{76}	18.0	X	349.95205	125.32576	25.90493	3.66611	0.1365428	0.21699568	2.7426391	20	—	—
465174 2007 EE_{84}	17.6	X	10.69321	11.00537	133.88790	6.27984	0.0913491	0.22076426	2.7113372	20	1 24.6	20.7
465175 2007 ER_{100}	16.8	X	329.81442	93.62848	157.03768	15.59131	0.0764736	0.23430154	2.6058693	20	4 17.3	20.2
465176 2007 ES_{100}	17.8	X	54.03473	359.02571	132.90492	2.14999	0.1216100	0.23030725	2.6359124	20	3 20.1	20.8
465177 2007 EZ_{121}	17.4	X	196.05433	346.20693	34.83447	7.85442	0.1316809	0.23821551	2.5772469	20	4 15.5	21.4
465178 2007 EB_{127}	17.4	X	317.83290	251.89185	334.96195	7.11700	0.0866216	0.22813649	2.6526068	20	2 22.4	20.6
465179 2007 EL_{127}	18.0	X	42.45130	140.08327	346.90733	5.57631	0.0726709	0.22470299	2.6795599	20	2 19.9	21.3
465180 2007 EZ_{141}	17.0	X	33.46998	317.66875	191.52466	8.76193	0.0861461	0.22477337	2.6790006	20	3 4.8	20.1
465181 2007 EB_{190}	17.6	X	31.92613	175.91522	314.64216	2.20929	0.0944749	0.22313255	2.6921180	20	2 8.3	20.7
465182 2007 EV_{193}	17.4	X	312.37816	222.16334	6.12402	8.04339	0.2216434	0.21864215	2.7288529	20	1 31.7	21.2
465183 2007 ER_{219}	17.4	X	187.75913	354.92424	359.88007	5.73815	0.0444498	0.22431358	2.6826602	20	3 5.2	21.1
465184 2007 FG_{22}	17.2	X	312.21604	255.72022	13.19509	10.88360	0.2639745	0.22505021	2.6768031	20	3 16.0	20.5
465185 2007 FR_{26}	17.2	X	295.07966	96.51604	182.95581	3.33357	0.1652984	0.22592610	2.6698802	20	3 19.6	20.8
465186 2007 FB_{46}	17.3	X	14.14034	106.54017	33.92391	13.44639	0.1421934	0.21666450	2.7454332	20	1 27.6	20.6
465187 2007 GS_{9}	16.5	X	331.92833	38.42589	187.47965	13.33799	0.1134214	0.22295826	2.6935208	20	3 7.6	19.8
465188 2007 GD_{43}	16.7	X	218.99109	301.20884	20.99930	9.33284	0.1828130	0.21667578	2.7453379	20	2 27.9	21.3
465189 2007 GE_{67}	17.2	X	359.69248	115.62576	37.02160	8.29072	0.1649274	0.21450119	2.7638613	20	1 13.4	20.3
465190 2007 GE_{71}	17.6	X	355.66719	356.56775	183.56126	5.33812	0.0650408	0.22134860	2.7065634	20	2 17.8	21.0
465191 2007 HQ_{1}	17.2	X	319.09485	52.83697	203.71169	13.04784	0.2161265	0.22336614	2.6902408	20	3 12.2	20.5
465192 2007 HF_{20}	16.9	X	22.74642	321.07479	209.51407	5.49914	0.1075636	0.22199073	2.7013415	20	3 17.7	20.0
465193 2007 HP_{24}	16.7	X	193.51145	245.78705	90.43842	5.21550	0.1082343	0.21156573	2.7893682	20	2 21.1	21.0
465194 2007 HS_{41}	16.8	X	254.33862	53.70418	221.02147	7.10405	0.1905283	0.21104964	2.7939136	20	1 27.9	21.5
465195 2007 HC_{42}	16.5	X	184.90122	283.25999	30.51292	15.79518	0.0638179	0.21050089	2.7987671	20	1 16.6	20.9
465196 2007 HB_{43}	16.3	X	303.26948	195.73310	46.42729	16.56407	0.1278309	0.21806776	2.7336427	20	2 26.9	20.3
465197 2007 HW_{50}	17.3	X	296.00871	133.29600	90.58857	5.36087	0.1572857	0.21223645	2.7834883	20	1 14.4	21.2
465198 2007 HM_{57}	16.9	X	13.23294	288.27743	204.85475	12.40843	0.0956246	0.21033135	2.8002709	20	1 12.6	20.5
465199 2007 JJ_{8}	16.8	X	329.89205	346.21057	226.51312	8.68064	0.1400944	0.21721418	2.7407995	20	2 11.1	20.3
465200 2007 JB_{28}	16.9	X	353.37973	293.29524	223.51840	11.00164	0.0666933	0.21093347	2.7949394	20	1 15.4	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465201 2007 JA_{30}	17.1	X	341.84088	171.01824	34.65805	8.59255	0.1358848	0.21956555	2.7211966	20	2 28.9	20.4
465202 2007 JB_{31}	16.5	X	315.75931	50.01950	208.54583	24.69682	0.2102705	0.21997496	2.7178191	20	3 9.3	20.4
465203 2007 LC_{21}	16.8	X	236.97069	174.90245	133.45945	5.96812	0.0855189	0.21389029	2.7691214	20	3 1.9	21.0
465204 2007 LJ_{24}	17.1	X	273.86453	141.13380	103.81333	2.50215	0.1425454	0.20928640	2.8095842	20	1 18.1	21.3
465205 2007 MY_{21}	16.5	X	311.27668	44.17121	174.26094	15.25626	0.0604631	0.21083691	2.7957926	20	2 6.6	20.5
465206 2007 OR_{4}	18.1	X	344.40073	200.72242	105.05530	6.64926	0.1844452	0.30233258	2.1985993	20	8 5.4	19.2
465207 2007 PC_{21}	17.8	X	326.43546	354.61783	339.09840	7.62041	0.1894618	0.30075175	2.2062968	20	8 8.4	19.1
465208 2007 PS_{28}	15.8	X	42.04301	232.83030	164.38392	27.62952	0.0973059	0.17501167	3.1653717	20	—	—
465209 2007 PN_{30}	17.7	X	330.79291	353.35736	354.88980	6.24146	0.2086912	0.30430690	2.1890794	20	9 17.3	18.7
465210 2007 QF_{10}	18.8	X	20.84257	346.20136	315.94655	1.62446	0.2436790	0.30917820	2.1660250	20	10 31.0	20.9
465211 2007 RW_{5}	18.4	X	14.56218	115.33008	203.39498	3.08763	0.2223210	0.30899549	2.1668788	20	11 12.3	20.4
465212 2007 RG_{6}	16.2	X	131.71717	166.95797	188.67932	16.47222	0.2159122	0.18466312	3.0540955	20	1 23.1	21.2
465213 2007 RS_{15}	18.6	X	40.26303	191.67519	174.49256	26.14576	0.0769230	0.39829117	1.8295134	20	—	—
465214 2007 RU_{29}	17.5	X	318.86797	42.15879	274.46387	6.09675	0.2415876	0.29645728	2.2275526	20	6 4.9	19.0
465215 2007 RB_{31}	17.4	X	211.86446	212.87411	192.74135	9.87063	0.2185436	0.28753844	2.2733804	20	5 28.4	21.2
465216 2007 RR_{54}	16.1	X	156.48225	73.83525	252.56115	4.28913	0.0388881	0.18146747	3.0898462	20	—	—
465217 2007 RL_{68}	16.7	X	181.46756	324.30016	0.88353	10.28440	0.1716854	0.19055400	2.9908227	20	2 2.4	21.7
465218 2007 RA_{86}	16.5	X	137.65106	169.29279	184.37025	10.70425	0.1479991	0.18550548	3.0448429	20	1 20.5	21.3
465219 2007 RX_{92}	16.5	X	120.54834	213.05676	147.04859	0.63926	0.1748144	0.18094991	3.0957352	20	1 16.1	21.0
465220 2007 RZ_{107}	18.3	X	148.01817	109.65043	345.56760	5.11944	0.1172583	0.28197433	2.3031895	20	5 29.6	21.7
465221 2007 RL_{115}	17.8	X	199.24040	76.88806	337.10094	6.37317	0.0884244	0.28500563	2.2868293	20	5 30.3	21.2
465222 2007 RB_{118}	18.2	X	76.54191	199.64986	234.25042	1.83089	0.1870528	0.26053105	2.4278940	20	2 8.5	20.7
465223 2007 RF_{129}	16.7	X	178.23989	117.66328	183.19441	13.85266	0.1907040	0.18281809	3.0746094	20	—	—
465224 2007 RT_{131}	16.9	X	182.90302	171.74458	144.02817	2.93955	0.1976149	0.18702234	3.0283569	20	1 21.7	22.1
465225 2007 RC_{139}	16.5	X	117.24683	154.44840	190.64696	23.61822	0.1908836	0.17775268	3.1327466	20	—	—
465226 2007 RH_{139}	18.1	X	303.43742	73.07752	275.78193	3.68207	0.2164433	0.29784454	2.2206305	20	7 1.7	19.6
465227 2007 RZ_{165}	16.2	X	38.30001	98.92958	342.20624	11.22616	0.0576217	0.18134746	3.0912092	20	—	—
465228 2007 RO_{179}	18.3	X	207.35966	190.08370	206.90001	2.01456	0.2112451	0.27870350	2.3211744	20	5 12.7	21.9
465229 2007 RN_{181}	16.5	X	87.83635	5.58776	11.95017	12.36641	0.1463562	0.17534274	3.1613860	20	—	—
465230 2007 RQ_{191}	16.8	X	184.76729	123.19078	177.26429	12.07363	0.1143452	0.18362026	3.0656483	20	1 2.8	21.8
465231 2007 RQ_{209}	17.9	X	320.48548	315.52136	21.93665	7.04543	0.1771455	0.29814756	2.2191255	20	8 1.7	19.5
465232 2007 RR_{210}	16.4	X	88.02529	45.20640	323.70606	5.65054	0.1854281	0.17825841	3.1268186	20	—	—
465233 2007 RG_{228}	18.1	X	284.03116	190.25111	171.90866	4.42509	0.2132497	0.29597937	2.2299498	20	6 18.3	20.6
465234 2007 RY_{250}	18.0	X	322.60841	114.52408	223.26625	4.41952	0.1717737	0.29880729	2.2158580	20	8 2.5	19.5
465235 2007 RG_{262}	15.7	X	105.86460	79.93348	271.22626	14.45080	0.2079584	0.17853829	3.1235500	20	—	—
465236 2007 RC_{272}	16.4	X	160.38479	78.84866	196.40795	21.54460	0.1605379	0.17365663	3.1818166	20	—	—
465237 2007 RJ_{273}	16.3	X	123.55884	154.90713	199.98006	10.81954	0.2384649	0.18067580	3.0988654	20	1 18.1	21.3
465238 2007 RM_{287}	18.4	X	192.53921	232.44887	177.04517	2.81387	0.1951864	0.28075471	2.3098548	20	5 16.6	22.1
465239 2007 RT_{290}	16.1	X	293.85986	320.23913	198.42698	11.19098	0.0783526	0.17270518	3.1934918	20	—	—
465240 2007 RK_{291}	16.4	X	120.50513	147.18973	207.06819	11.30744	0.0696777	0.17866390	3.1220858	20	—	—
465241 2007 RS_{291}	16.5	X	134.15269	318.16106	6.55594	9.45910	0.0701483	0.17601516	3.1533294	20	—	—
465242 2007 RT_{291}	16.3	X	134.21759	159.95616	184.77661	11.07881	0.0808855	0.18004580	3.1060901	20	—	—
465243 2007 RR_{293}	16.9	X	175.49894	179.22029	116.69210	2.27895	0.1431215	0.18086335	3.0967228	20	—	—
465244 2007 RU_{293}	16.5	X	251.86230	217.72894	29.51340	6.50798	0.1472369	0.18659391	3.0329906	20	1 2.6	21.3
465245 2007 RX_{293}	16.6	X	220.77218	243.48891	32.21334	6.37716	0.2095213	0.18797582	3.0181076	20	1 6.4	21.8
465246 2007 RE_{298}	15.7	X	84.15272	13.75644	20.14587	9.44182	0.0361130	0.18015042	3.1048875	20	—	—
465247 2007 RF_{301}	16.3	X	91.93755	341.49209	32.74661	9.89170	0.0909711	0.17395303	3.1782012	20	—	—
465248 2007 RW_{302}	17.6	X	225.71182	344.38836	24.90367	8.22278	0.1648278	0.27981643	2.3150155	20	4 24.9	21.1
465249 2007 RH_{312}	15.9	X	47.53301	356.53146	48.02808	10.34874	0.2112466	0.17169876	3.2059589	20	—	—
465250 2007 RT_{315}	17.6	X	324.48477	196.27123	175.00677	5.99298	0.0925710	0.30553297	2.1832191	20	10 11.7	19.3
465251 2007 RP_{316}	18.1	X	334.52234	95.83761	240.26983	4.02784	0.1613258	0.30145327	2.2028726	20	8 30.9	19.5
465252 2007 RW_{319}	17.7	X	321.97551	48.01116	283.17236	6.59442	0.2151689	0.29815437	2.2190918	20	7 15.4	18.9
465253 2007 RZ_{322}	16.6	X	104.76886	4.71543	352.43657	7.77590	0.0868839	0.17589471	3.1547687	20	—	—
465254 2007 SM_{2}	16.5	X	97.07673	168.02535	193.43114	8.01590	0.1311456	0.17832064	3.1260911	20	—	—
465255 2007 SD_{6}	18.1	X	4.65924	121.84022	205.37806	4.46727	0.2184670	0.30618699	2.1801091	20	11 6.8	20.0
465256 2007 SJ_{6}	18.1	X	318.52138	143.77868	195.77951	6.45467	0.2052012	0.29919751	2.2139309	20	7 21.7	19.6
465257 2007 SQ_{14}	16.0	X	107.45450	202.40818	200.64388	16.38338	0.1944794	0.18152367	3.0892084	20	2 20.1	20.8
465258 2007 SP_{19}	16.6	X	26.44891	192.98838	207.88552	7.22679	0.1294749	0.16623578	3.2758176	20	—	—
465259 2007 SS_{22}	16.2	X	147.20095	344.82117	11.95236	17.18980	0.1146757	0.18650642	3.0339391	20	2 8.4	21.1
465260 2007 TS_{11}	16.2	X	152.82014	298.28942	43.62494	5.26613	0.2379113	0.18408114	3.0605292	20	1 31.9	21.4
465261 2007 TK_{26}	16.0	X	45.48066	207.05600	180.00903	9.87484	0.0707770	0.17135138	3.2102903	20	—	—
465262 2007 TK_{27}	16.1	X	26.52735	222.20460	200.28992	9.31188	0.0384045	0.16971816	3.2308528	20	—	—
465263 2007 TS_{27}	16.5	X	77.32209	348.16215	23.71039	9.77585	0.0667700	0.17068193	3.2186791	20	—	—
465264 2007 TN_{39}	16.7	X	132.26144	303.87604	47.62525	4.14280	0.2019531	0.17899638	3.1182185	20	1 22.0	21.5
465265 2007 TL_{59}	18.1	X	31.09720	151.25857	161.50941	3.91409	0.1287930	0.31039658	2.1603532	20	11 13.5	20.5
465266 2007 TK_{60}	16.6	X	166.73645	130.60658	193.45503	8.40589	0.0998058	0.18636094	3.0355179	20	1 11.1	21.4
465267 2007 TQ_{61}	16.5	X	174.48340	111.52289	206.19068	4.80679	0.1298334	0.18097615	3.0954359	20	1 14.0	21.4
465268 2007 TU_{72}	18.4	X	329.33894	227.88286	210.85888	20.48100	0.0782738	0.39399877	1.8427771	20	—	—
465269 2007 TA_{74}	16.3	X	93.81652	170.95836	211.28852	10.77071	0.1457784	0.17662939	3.1460146	20	1 6.5	20.7
465270 2007 TQ_{74}	18.1	X	246.77343	155.10711	224.22745	4.47257	0.1710957	0.28736079	2.2743172	20	5 31.3	21.1
465271 2007 TF_{107}	17.7	X	140.23625	92.22317	0.15148	21.68373	0.2975575	0.27625922	2.3348458	20	5 23.3	22.2
465272 2007 TS_{112}	18.2	X	125.12525	333.49005	194.47626	5.35708	0.0353432	0.29347222	2.2426322	20	8 6.0	21.1
465273 2007 TR_{115}	15.9	X	243.41231	52.66013	217.05170	21.66560	0.1309711	0.18213863	3.0822511	20	1 16.4	21.2
465274 2007 TR_{127}	18.0	X	339.16253	254.93452	49.73013	5.32425	0.1366565	0.29170781	2.2516662	20	7 19.6	19.8
465275 2007 TR_{163}	18.0	X	310.27871	253.10640	102.27763	1.56663	0.2497260	0.29704376	2.2246196	20	7 23.4	19.1
465276 2007 TA_{165}	17.9	X	259.63817	357.67238	24.67432	4.30813	0.1569374	0.29039052	2.2584705	20	6 22.2	20.7
465277 2007 TV_{172}	16.7	X	163.06640	85.52361	249.12872	2.49842	0.2143520	0.18584784	3.0411023	20	1 27.8	21.8
465278 2007 TV_{178}	16.3	X	162.35728	125.59587	197.27250	9.50379	0.0867790	0.17838475	3.1253421	20	1 5.6	21.2
465279 2007 TY_{180}	17.8	X	310.04675	183.04018	163.51174	5.95901	0.2238687	0.29632448	2.2282181	20	7 10.3	19.4
465280 2007 TA_{182}	18.3	X	182.85046	114.04475	293.37747	2.38333	0.2297686	0.27681704	2.3317080	20	5 4.1	22.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465281 2007 TM_{190}	17.0	X	166.62119	117.52367	201.16036	1.45348	0.1150278	0.18587285	3.0408295	20	1 6.9	21.7
465282 2007 TK_{205}	16.2	X	81.02836	190.32922	200.71561	9.17364	0.0897470	0.17200809	3.2021141	20	—	—
465283 2007 TZ_{211}	17.9	X	231.71777	101.96617	281.39935	2.45652	0.2139219	0.28357952	2.2944899	20	5 15.9	21.5
465284 2007 TA_{219}	14.3	X	54.86624	74.89111	231.57897	4.29042	0.1284603	0.08199443	5.2474280	20	10 19.8	21.0
465285 2007 TN_{244}	17.7	X	280.32918	13.74408	344.18932	8.25920	0.1474464	0.29067886	2.2569767	20	6 17.3	20.5
465286 2007 TO_{248}	18.1	X	236.88498	207.15543	184.40554	6.57035	0.1410530	0.28412783	2.2915370	20	6 9.6	21.4
465287 2007 TD_{260}	16.5	X	112.03223	334.14649	14.56296	8.65566	0.0762679	0.17436064	3.1732461	20	—	—
465288 2007 TM_{276}	18.4	X	17.57615	5.55532	295.34464	1.89436	0.2035231	0.30358326	2.1925567	20	10 14.9	20.4
465289 2007 TB_{295}	17.0	X	220.29167	124.47867	201.23210	10.49336	0.1608648	0.19674679	2.9277294	20	2 29.3	22.0
465290 2007 TK_{299}	16.0	X	73.58972	170.06597	209.29013	18.85635	0.1244670	0.17085291	3.2165314	20	—	—
465291 2007 TC_{314}	16.3	X	45.80368	358.79765	49.43465	10.50915	0.0918525	0.17006431	3.2264673	20	—	—
465292 2007 TD_{329}	17.5	X	87.38405	189.60395	10.19572	6.94701	0.1293984	0.28792457	2.2713474	20	8 17.7	20.5
465293 2007 TR_{330}	15.9	X	272.55134	227.60774	229.47235	11.39236	0.4074632	0.14354210	3.6125720	20	8 24.8	21.5
465294 2007 TY_{335}	16.5	X	95.43869	174.23633	191.84922	10.83657	0.2215928	0.17828702	3.1264841	20	—	—
465295 2007 TH_{336}	18.2	X	245.61557	167.48317	196.05497	6.34436	0.1313053	0.28739599	2.2741315	20	5 13.5	21.2
465296 2007 TE_{359}	17.5	X	143.17935	36.76407	27.47650	8.74546	0.1284923	0.27246801	2.3564544	20	4 14.9	20.8
465297 2007 TN_{368}	16.3	X	147.77673	318.06865	36.33486	9.21957	0.2100528	0.18580474	3.0415727	20	2 10.8	21.4
465298 2007 TF_{385}	16.0	X	132.04842	343.78150	13.31860	12.59067	0.1443777	0.18173152	3.0868525	20	1 24.8	20.8
465299 2007 TW_{394}	15.6	X	75.78512	340.37036	27.19691	27.63721	0.1584919	0.17222290	3.1994509	20	—	—
465300 2007 TE_{397}	16.6	X	126.98836	155.86226	197.71199	12.08025	0.2295782	0.17982121	3.1086759	20	1 18.8	21.7
465301 2007 TX_{407}	15.6	X	199.45758	205.94556	77.64348	12.08995	0.0286366	0.17386409	3.1792850	20	—	—
465302 2007 TA_{424}	16.3	X	70.70442	5.56977	23.87564	21.01078	0.0402038	0.17256493	3.1952219	20	—	—
465303 2007 TR_{425}	16.0	X	19.03421	340.92245	48.28084	10.79019	0.0310712	0.15772999	3.3925522	20	12 12.9	20.8
465304 2007 TK_{428}	17.8	X	255.22823	221.96516	146.68882	3.53414	0.1782355	0.28483047	2.2877668	20	5 26.0	20.9
465305 2007 TB_{432}	16.1	X	291.47531	353.80850	202.11079	9.72729	0.0127052	0.17973625	3.1096554	20	—	—
465306 2007 TK_{448}	16.5	X	77.86838	317.94699	44.87975	1.25221	0.1130018	0.16869049	3.2439612	20	—	—
465307 2007 UQ_{3}	17.8	X	152.38542	290.81609	50.37158	34.96055	0.2235737	0.41480926	1.7806166	20	—	—
465308 2007 UX_{4}	16.0	X	122.49865	98.28427	213.80363	24.78185	0.2107107	0.17127600	3.2112322	20	—	—
465309 2007 UJ_{10}	17.8	X	189.20087	165.03761	219.48287	3.80269	0.2478087	0.27470999	2.3436158	20	4 10.9	22.0
465310 2007 UX_{12}	18.5	X	228.39764	17.20859	10.18636	6.67708	0.2081363	0.28416423	2.2913413	20	5 17.3	22.2
465311 2007 UD_{26}	17.7	X	99.50523	135.52363	58.79242	7.98760	0.0561357	0.28761874	2.2729572	20	8 16.9	20.7
465312 2007 UJ_{26}	16.3	X	115.27187	316.80644	44.36016	10.91991	0.0934796	0.17536161	3.1611592	20	1 2.4	20.9
465313 2007 UN_{43}	16.5	X	161.06942	191.58674	151.73391	1.94879	0.2140670	0.18451834	3.0556927	20	2 5.6	21.6
465314 2007 UQ_{59}	16.5	X	159.10288	323.64432	10.04007	1.28797	0.1661443	0.17941285	3.1133911	20	1 22.1	21.3
465315 2007 UJ_{71}	18.4	X	208.70710	8.85712	42.99876	7.88038	0.1030476	0.28182716	2.3039912	20	6 6.9	21.7
465316 2007 UB_{73}	18.1	X	118.77336	84.06776	32.22337	4.17730	0.1325998	0.27480228	2.3430910	20	5 26.9	21.3
465317 2007 UY_{137}	18.3	X	217.36096	20.71750	14.65351	6.40626	0.1917823	0.28064257	2.3104701	20	5 18.7	22.0
465318 2007 UT_{139}	18.1	X	161.04420	297.56101	103.71002	5.55352	0.1761792	0.26841035	2.3801439	20	4 9.7	21.9
465319 2007 UW_{139}	18.2	X	194.35979	272.38726	144.24965	2.85555	0.2179168	0.28019807	2.3129130	20	5 26.9	22.0
465320 2007 UK_{140}	18.0	X	346.78980	290.66536	28.09969	4.43902	0.1976386	0.29460658	2.2368718	20	9 6.4	19.3
465321 2007 UO_{140}	18.2	X	48.61187	295.10961	350.75402	1.10870	0.2324544	0.30746872	2.1740461	20	11 11.3	21.0
465322 2007 VH_{5}	17.9	X	288.23561	323.68733	24.77134	7.03049	0.1584754	0.28926224	2.2643395	20	6 12.7	20.4
465323 2007 VX_{19}	17.6	X	76.75966	296.30064	213.87776	21.51858	0.2460922	0.27246331	2.3564815	20	6 7.1	20.9
465324 2007 VN_{30}	17.4	X	138.35024	199.15444	256.65762	6.82085	0.1566770	0.27421364	2.3464430	20	5 23.7	20.8
465325 2007 VY_{32}	16.4	X	350.08867	58.82496	11.87491	6.65135	0.1768938	0.15910217	3.3730179	20	—	—
465326 2007 VA_{44}	17.7	X	224.59338	125.26382	273.22381	5.22994	0.1366257	0.28288963	2.2982187	20	6 4.8	20.9
465327 2007 VP_{45}	16.3	X	128.80674	91.08497	262.96768	8.15861	0.0921798	0.17549789	3.1595225	20	1 8.0	20.9
465328 2007 VE_{51}	18.3	X	95.21380	101.40088	16.08180	5.01029	0.1000959	0.26847479	2.3797630	20	4 23.4	21.1
465329 2007 VE_{58}	17.8	X	138.32380	11.87520	144.71104	4.09357	0.0567667	0.28604140	2.2813055	20	8 9.6	20.5
465330 2007 VW_{65}	16.2	X	161.13457	276.02818	23.55918	11.40672	0.0558814	0.17638489	3.1489213	20	—	—
465331 2007 VY_{75}	18.0	X	258.32902	298.56042	59.64098	5.37076	0.1929309	0.28434341	2.2903786	20	5 12.7	21.0
465332 2007 VW_{88}	17.4	X	141.79602	158.88413	242.21291	14.65916	0.2319911	0.26641438	2.3920171	20	3 18.0	21.5
465333 2007 VT_{103}	16.5	X	225.21966	64.14901	220.47763	9.44571	0.0317654	0.18414338	3.0598395	20	1 23.4	21.1
465334 2007 VA_{123}	17.9	X	120.41389	268.08611	196.08340	6.10046	0.0651046	0.27620934	2.3351269	20	5 5.1	20.8
465335 2007 VL_{128}	18.1	X	163.46301	182.45880	228.01692	3.33152	0.1443274	0.27339462	2.3511269	20	4 18.5	21.7
465336 2007 VG_{133}	16.4	X	213.18294	113.10027	188.99891	5.43055	0.1463439	0.18544642	3.0454893	20	1 29.6	21.5
465337 2007 VW_{138}	17.5	X	237.24189	338.22256	71.40185	7.57838	0.0939534	0.28739548	2.2741342	20	7 11.9	20.4
465338 2007 VL_{141}	18.4	X	142.75010	43.51539	39.25420	5.33101	0.1999394	0.27101974	2.3648418	20	5 13.9	22.0
465339 2007 VC_{167}	18.5	X	62.46604	264.95764	234.93979	1.71792	0.1949854	0.26171133	2.4205889	20	4 22.3	20.8
465340 2007 VH_{174}	17.7	X	144.92598	95.36568	330.91769	5.68646	0.2455688	0.26927760	2.3750307	20	4 25.8	21.7
465341 2007 VX_{174}	16.5	X	137.76593	106.62029	211.97785	9.34285	0.0855540	0.17187174	3.2038075	20	—	—
465342 2007 VF_{205}	18.5	X	33.16825	247.97516	58.25469	1.65699	0.3150053	0.30786406	2.1721845	20	12 2.4	21.4
465343 2007 VM_{222}	18.4	X	158.74764	239.83235	190.51319	4.28245	0.1829578	0.27524788	2.3405615	20	5 13.0	22.0
465344 2007 VM_{239}	16.1	X	162.59432	78.76273	238.32134	9.69463	0.0990223	0.17131396	3.2107578	20	1 1.3	21.1
465345 2007 VL_{283}	18.3	X	56.14539	111.46608	66.77933	2.16906	0.0557466	0.27168303	2.3609912	20	5 16.5	20.9
465346 2007 VB_{296}	16.2	X	68.56680	143.06884	218.75243	9.92134	0.1248839	0.16262810	3.3240865	20	—	—
465347 2007 VE_{314}	18.1	X	98.97716	357.65217	90.12033	3.25316	0.1936462	0.26245877	2.4159910	20	4 5.1	21.1
465348 2007 WC_{6}	17.4	X	214.87058	23.81907	22.08096	6.24326	0.2017817	0.28044394	2.3115609	20	5 30.0	21.2
465349 2007 WB_{13}	16.8	X	21.24298	178.65276	270.50294	14.15150	0.1035654	0.24611300	2.5218138	20	—	—
465350 2007 WH_{28}	18.1	X	131.04797	143.09284	292.55432	4.06021	0.2554610	0.26583314	2.3955025	20	4 27.2	22.0
465351 2007 XJ_{1}	17.9	X	319.16645	256.58694	71.20571	6.48041	0.1760149	0.28837876	2.2689619	20	7 7.8	19.7
465352 2007 XC_{53}	18.8	X	74.12894	8.27237	106.34301	4.33354	0.3111437	0.25504707	2.4625732	20	4 27.9	21.7
465353 2007 YX_{65}	18.3	X	78.06877	58.85142	105.64902	2.31992	0.1191246	0.26401058	2.4065146	20	6 9.5	21.3
465354 2008 AV_{9}	17.5	X	26.18118	95.61247	142.83761	5.67025	0.2086550	0.26568908	2.3963684	20	7 17.9	19.6
465355 2008 AL_{17}	18.2	X	62.40072	21.46632	148.46012	1.74239	0.1281639	0.26053711	2.4278563	20	5 26.3	20.9
465356 2008 AB_{36}	17.6	X	138.41431	337.27987	119.04890	10.94724	0.1686872	0.26554609	2.3972285	20	5 28.4	21.4
465357 2008 AP_{37}	18.4	X	92.61791	144.32240	310.50401	1.71254	0.1743707	0.25479101	2.4642229	20	4 1.1	21.3
465358 2008 AA_{64}	17.9	X	157.90770	269.86600	147.82081	2.99129	0.2027884	0.26334251	2.4105829	20	4 27.6	21.8
465359 2008 AP_{67}	17.2	X	184.87407	279.34615	127.79214	11.15212	0.1520608	0.26571978	2.3961838	20	5 10.5	21.2
465360 2008 AE_{82}	17.8	X	116.34836	349.51979	84.37893	6.50125	0.2132713	0.26317187	2.4116248	20	4 11.3	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465361 2008 AZ_{94}	18.3	X	65.18842	57.03266	123.77505	2.77139	0.1565422	0.26356665	2.4092160	20	6 20.4	20.9
465362 2008 AN_{105}	18.0	X	139.73902	84.68706	324.63588	4.56234	0.1222361	0.25816700	2.4426930	20	3 20.9	21.6
465363 2008 AL_{136}	17.0	X	121.85158	273.73655	155.29443	14.61919	0.0803333	0.25348025	2.4727107	20	3 25.2	20.3
465364 2008 BQ_{9}	17.9	X	355.89495	85.00977	68.93650	5.64676	0.1773180	0.24099094	2.5574211	20	—	—
465365 2008 BD_{24}	18.7	X	299.42655	343.29754	149.44600	13.71923	0.1471989	0.38718549	1.8643323	20	—	—
465366 2008 CJ_{14}	17.1	X	310.16933	253.03460	46.19557	2.78556	0.1959691	0.25902715	2.4372824	20	4 30.4	19.9
465367 2008 CW_{20}	18.2	X	284.73824	142.84094	338.97020	18.91016	0.0743177	0.37958217	1.8891460	20	—	—
465368 2008 CG_{32}	18.2	X	88.85840	0.35312	110.34156	2.32530	0.1470373	0.25423864	2.4677908	20	4 15.6	21.2
465369 2008 CO_{32}	17.2	X	328.78621	195.75896	332.37778	9.18150	0.0910465	0.23733917	2.5835871	20	—	—
465370 2008 CZ_{60}	15.6	X	243.61029	341.82121	135.76390	8.55846	0.1141833	0.12724226	3.9148500	20	9 29.7	21.3
465371 2008 CQ_{125}	18.5	X	116.08996	147.59348	305.46668	1.07107	0.1372629	0.25774413	2.4453640	20	4 23.3	21.7
465372 2008 CX_{162}	17.9	X	149.89141	292.27125	152.57241	5.70700	0.0856229	0.26194087	2.4191746	20	5 18.5	21.4
465373 2008 DJ_{17}	18.1	X	320.46300	307.40429	162.83086	23.62420	0.0720678	0.38292477	1.8781362	20	—	—
465374 2008 DC_{20}	18.1	X	2.26007	190.81914	354.01849	7.84174	0.1444714	0.24603899	2.5223195	20	2 27.6	20.6
465375 2008 DA_{43}	17.2	X	336.89008	158.20114	129.19022	7.86956	0.2095503	0.26415037	2.4056655	20	6 5.7	19.1
465376 2008 DS_{63}	18.4	X	74.36860	357.28457	131.16095	4.08667	0.1346747	0.25217425	2.4812407	20	4 18.1	21.3
465377 2008 DF_{86}	18.0	X	156.81627	32.19022	354.23250	4.11589	0.0572887	0.24720648	2.5143717	20	3 7.3	21.4
465378 2008 EU_{37}	18.2	X	38.93885	250.51130	299.90800	0.68380	0.0885913	0.25817217	2.4426604	20	5 10.6	20.9
465379 2008 EN_{127}	17.8	X	75.05306	234.86679	23.68501	21.14557	0.0630393	0.35424546	1.9781833	20	10 22.1	19.9
465380 2008 EH_{146}	17.4	X	18.54814	217.53579	6.02053	8.10601	0.0761164	0.25483554	2.4639358	20	5 21.5	20.2
465381 2008 EW_{153}	17.0	X	232.12506	319.44057	19.47124	15.44741	0.1634608	0.24264307	2.5457991	20	3 28.6	21.0
465382 2008 ED_{163}	17.7	X	335.29680	202.94971	3.87927	11.93224	0.1052421	0.24050084	2.5608943	20	2 20.9	20.9
465383 2008 EE_{168}	17.0	X	14.76400	168.36473	79.44209	7.40818	0.1618083	0.25702493	2.4499237	20	6 30.9	19.0
465384 2008 FB_{15}	17.4	X	84.27610	302.07827	175.33329	13.66289	0.1276821	0.24545247	2.5263360	20	4 17.2	20.6
465385 2008 FR_{23}	17.3	X	358.13344	191.26281	53.55538	8.19499	0.0717982	0.25191162	2.4829649	20	5 20.0	20.1
465386 2008 FA_{30}	15.7	X	184.84323	343.31382	191.12190	5.91125	0.0467173	0.12380643	3.9869482	20	10 6.6	21.6
465387 2008 FD_{31}	18.1	X	50.39180	350.86123	191.11678	1.55935	0.1340732	0.25601534	2.4563602	20	5 24.9	20.6
465388 2008 FC_{40}	17.3	X	248.23967	274.65540	37.77680	8.95191	0.0243562	0.24309021	2.5426763	20	3 25.4	20.7
465389 2008 FH_{53}	18.0	X	217.76741	289.14680	193.44028	21.99666	0.0727056	0.35802171	1.9642487	20	10 14.9	19.8
465390 2008 FZ_{98}	17.2	X	44.65951	72.95593	51.89199	14.22829	0.0277905	0.23592379	2.5939099	20	2 22.8	20.8
465391 2008 FL_{136}	17.4	X	290.23623	153.91479	132.50988	5.59239	0.2334724	0.24058073	2.5603273	20	3 13.6	20.9
465392 2008 GS_{10}	17.3	X	275.28384	124.85428	197.76469	4.40631	0.2855296	0.24110953	2.5565824	20	4 4.3	21.1
465393 2008 GV_{25}	17.8	X	330.46219	184.79911	42.26385	7.70169	0.2191922	0.24097793	2.5575131	20	2 23.0	20.7
465394 2008 GR_{26}	18.0	X	218.62859	114.25006	57.32590	22.78223	0.0937379	0.36995533	1.9217779	20	12 28.4	20.0
465395 2008 GX_{40}	17.7	X	276.21152	228.29797	51.34644	10.32293	0.1830273	0.23644292	2.5901118	20	2 29.2	21.7
465396 2008 GA_{46}	17.1	X	256.43921	257.00534	59.69834	15.41075	0.1262789	0.23973058	2.5663768	20	4 3.2	21.1
465397 2008 GH_{64}	17.7	X	311.91573	34.39032	198.57514	4.58334	0.2498094	0.23428606	2.6059841	20	1 26.5	21.3
465398 2008 GF_{72}	18.5	X	44.73514	307.78517	231.96502	0.61814	0.1309179	0.25147199	2.4858579	20	5 10.8	21.2
465399 2008 GD_{75}	17.5	X	281.29140	193.31702	86.07570	6.36353	0.2494288	0.23622657	2.5916930	20	2 23.9	21.5
465400 2008 GM_{108}	16.1	X	183.50955	314.54389	36.54844	12.67548	0.1928345	0.23957382	2.5674962	20	3 4.6	20.5
465401 2008 GS_{110}	18.1	X	212.13273	60.31901	158.02918	23.40769	0.0755844	0.37497574	1.9045861	20	—	—
465402 2008 HW_{1}	17.3	X	316.35734	250.47426	127.71170	10.48520	0.9599977	0.23690969	2.5867085	20	4 24.3	22.1
465403 2008 HK_{19}	17.4	X	238.65646	287.39985	19.88297	1.92665	0.0665785	0.23797727	2.5789666	20	2 29.9	21.1
465404 2008 HQ_{46}	17.5	X	297.74066	182.77168	105.25376	4.31664	0.1818364	0.24006005	2.5640282	20	4 2.1	20.8
465405 2008 HZ_{46}	17.0	X	345.27069	188.94145	53.64327	14.42116	0.1847410	0.24313087	2.5423928	20	4 19.8	19.5
465406 2008 HR_{67}	17.8	X	326.33668	232.04764	36.51635	2.03571	0.1987492	0.24325819	2.5415056	20	4 14.4	20.3
465407 2008 JG_{5}	16.9	X	46.08470	75.42365	4.71519	22.12637	0.0601802	0.23136181	2.6278966	20	—	—
465408 2008 JM_{10}	17.8	X	282.81555	132.74549	161.90529	6.23576	0.1914323	0.24080480	2.5587388	20	3 20.4	21.5
465409 2008 JM_{11}	17.9	X	323.36052	205.99985	66.34249	7.25543	0.2133733	0.24282315	2.5445402	20	4 15.0	20.6
465410 2008 JN_{40}	17.5	X	321.06827	83.58200	165.92483	8.90395	0.1253510	0.23782807	2.5800452	20	3 22.4	20.4
465411 2008 KP_{1}	17.2	X	331.33601	100.59208	164.68427	6.02712	0.1842581	0.24265846	2.5456914	20	4 23.3	19.7
465412 2008 KC_{3}	17.2	X	47.91255	61.08999	113.54477	8.38662	0.1485516	0.24479565	2.5308530	20	5 14.9	20.0
465413 2008 KK_{3}	17.3	X	217.62979	141.34012	192.23191	5.72781	0.2034251	0.23003053	2.6380259	20	3 4.9	21.7
465414 2008 KM_{15}	17.2	X	310.78702	202.66018	94.81976	16.74838	0.1112149	0.24573884	2.5243729	20	5 18.9	20.4
465415 2008 KK_{18}	17.0	X	49.47959	58.41565	102.08109	16.69542	0.1814468	0.24457623	2.5323664	20	5 6.8	20.0
465416 2008 KC_{36}	17.2	X	312.50428	127.68957	124.49897	14.27813	0.1387779	0.23571479	2.5954430	20	3 15.2	20.6
465417 2008 KR_{41}	16.7	X	320.97539	124.25720	91.93576	22.85447	0.0362808	0.23270649	2.6177634	20	2 27.2	20.6
465418 2008 MZ_{1}	17.6	X	323.60763	75.16607	181.97845	12.55198	0.1015836	0.24040533	2.5615725	20	4 9.7	20.6
465419 2008 OW_{3}	17.3	X	286.56557	132.85773	156.52878	12.99532	0.2870040	0.22930570	2.6435822	20	3 6.7	21.2
465420 2008 OQ_{20}	18.0	X	240.93150	155.33818	158.60269	2.04786	0.2251622	0.22112144	2.7084167	20	3 1.5	22.6
465421 2008 PF	16.4	X	319.11170	82.75884	210.73241	24.02813	0.3409944	0.23566804	2.5957862	20	4 11.6	19.1
465422 2008 PL_{2}	18.1	X	91.70498	144.37435	134.27360	24.77606	0.0546216	0.34856315	1.9996243	20	12 17.2	21.0
465423 2008 PA_{4}	16.6	X	283.04299	143.10984	150.34985	13.01667	0.1790459	0.22684907	2.6626335	20	3 23.8	20.4
465424 2008 PW_{6}	16.7	X	239.40013	76.22926	242.70833	11.68701	0.1833275	0.22207731	2.7006393	20	3 3.2	21.3
465425 2008 PK_{15}	17.5	X	237.94811	344.38886	335.13375	4.42130	0.1039780	0.22276973	2.6950403	20	3 12.6	21.4
465426 2008 PM_{21}	16.9	X	268.96400	243.53571	65.93381	8.70636	0.3267528	0.22700840	2.6613874	20	3 15.2	21.4
465427 2008 QT_{21}	16.5	X	251.70912	47.12693	287.16349	8.22171	0.1699337	0.22522283	2.6754353	20	4 4.6	20.8
465428 2008 QY_{43}	16.4	X	262.27357	272.50610	61.79320	13.56255	0.2992700	0.22801496	2.6535493	20	4 11.9	20.9
465429 2008 QX_{44}	16.9	X	197.50239	163.22237	170.43605	11.84343	0.1842942	0.21253093	2.7809165	20	2 19.1	21.7
465430 2008 RR_{5}	16.6	X	355.02160	272.84445	174.63465	14.76987	0.1992791	0.18164466	3.0878365	20	—	—
465431 2008 RF_{35}	16.1	X	353.87245	83.72870	355.75132	24.96408	0.2585512	0.17934047	3.1142288	20	—	—
465432 2008 RX_{38}	16.6	X	2.83101	94.74932	0.39058	10.04996	0.1301469	0.18781551	3.0198248	20	—	—
465433 2008 RE_{62}	17.1	X	117.79995	183.31741	200.41059	1.51417	0.0785628	0.20355468	2.8620814	20	1 25.1	21.0
465434 2008 RQ_{63}	16.7	X	80.05592	356.27678	2.00268	14.57110	0.1257863	0.18762040	3.0219180	20	—	—
465435 2008 RL_{69}	16.9	X	17.17031	167.42364	308.65793	4.14120	0.0474197	0.19636040	2.9315690	20	1 4.5	20.6
465436 2008 RL_{88}	16.5	X	22.46233	87.21751	314.29395	7.06803	0.2407728	0.17933327	3.1143122	20	—	—
465437 2008 RT_{100}	16.6	X	206.34336	334.34521	353.14625	12.53226	0.1271333	0.20968591	2.8060143	20	2 23.8	21.0
465438 2008 RZ_{105}	16.3	X	94.58896	359.25920	25.42834	12.16495	0.1895791	0.19037429	2.9927046	20	1 19.1	20.5
465439 2008 RG_{107}	16.2	X	357.15697	224.18013	199.48573	17.04698	0.2017407	0.17435356	3.1733320	20	—	—
465440 2008 RW_{112}	16.9	X	79.64275	193.23268	212.47385	8.89192	0.0748903	0.19524377	2.9427357	20	1 3.6	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465441 2008 RK_{116}	16.9	X	154.91588	169.42008	196.04180	15.22117	0.1466108	0.20192544	2.8774560	20	2 16.5	21.7
465442 2008 RH_{123}	17.3	X	157.87417	157.98265	187.31711	1.71312	0.0844418	0.20320196	2.8653925	20	1 24.4	21.5
465443 2008 RS_{134}	16.9	X	281.16452	302.00196	355.81041	12.81567	0.2630178	0.22768338	2.6561249	20	3 14.2	20.8
465444 2008 RU_{134}	16.3	X	189.24821	198.70055	148.34024	21.91758	0.1678557	0.21042433	2.7994459	20	3 1.3	21.0
465445 2008 RS_{138}	16.5	X	330.65132	252.73702	199.32781	25.50527	0.0683578	0.17687515	3.1430998	20	12 30.6	21.1
465446 2008 SE_{20}	17.3	X	214.68122	126.93722	196.21605	4.60770	0.1715225	0.21546267	2.7556329	20	2 20.9	22.0
465447 2008 SE_{22}	17.2	X	183.11366	6.31950	323.51823	4.43183	0.1214940	0.20858198	2.8159063	20	2 2.7	21.5
465448 2008 SV_{23}	17.2	X	272.39622	128.83582	174.07782	4.69063	0.0853087	0.22267413	2.6958116	20	4 3.2	20.8
465449 2008 SZ_{26}	16.4	X	41.66121	205.85865	192.73372	7.94886	0.0747392	0.18535528	3.0464876	20	—	—
465450 2008 SE_{30}	16.3	X	1.42448	243.73935	193.35430	26.11741	0.3461075	0.17711979	3.1402049	20	—	—
465451 2008 SZ_{41}	17.0	X	201.86744	132.86625	173.38755	10.34160	0.0868800	0.20567535	2.8423740	20	1 21.6	21.6
465452 2008 SY_{44}	16.5	X	93.06793	6.46511	16.68991	6.84112	0.1885480	0.19195582	2.9762439	20	1 13.1	20.5
465453 2008 SG_{72}	16.2	X	232.21357	14.93928	294.19540	8.95593	0.2432179	0.21471968	2.7619861	20	2 15.3	21.1
465454 2008 SB_{83}	16.8	X	327.71623	38.95132	219.22690	12.71960	0.2188558	0.23120627	2.6290750	20	3 27.3	19.8
465455 2008 SU_{97}	17.1	X	251.94140	96.19049	207.44000	7.26023	0.2585737	0.21682420	2.7440849	20	2 23.1	21.8
465456 2008 SB_{99}	16.7	X	41.79814	234.01723	181.59183	9.32934	0.1185887	0.18462664	3.0544977	20	—	—
465457 2008 SE_{99}	16.5	X	242.62052	298.49471	34.09342	13.13454	0.2351504	0.21884926	2.7271309	20	3 28.5	21.1
465458 2008 SD_{101}	16.7	X	98.31019	210.76035	177.20204	10.67509	0.1073635	0.19300753	2.9654223	20	1 11.1	20.9
465459 2008 SF_{104}	16.7	X	132.62147	140.14015	205.22034	5.40450	0.1286199	0.19237337	2.9719357	20	1 3.7	21.1
465460 2008 SH_{119}	17.1	X	137.07055	349.23525	24.65121	11.70086	0.0796260	0.19907086	2.9048982	20	2 10.6	21.5
465461 2008 SO_{123}	17.0	X	117.83863	136.42856	208.87468	9.28136	0.1115537	0.18897397	3.0074706	20	—	—
465462 2008 SK_{125}	16.6	X	220.43114	11.89371	215.32629	8.91434	0.0324564	0.18339715	3.0681340	20	—	—
465463 2008 SB_{128}	16.8	X	57.78187	34.13357	13.76868	11.06656	0.0506134	0.18657885	3.0331539	20	—	—
465464 2008 SV_{129}	16.3	X	342.81625	254.75172	223.65964	8.75051	0.0459853	0.18410660	3.0602469	20	—	—
465465 2008 SH_{131}	16.5	X	85.33646	349.56412	13.61021	8.92800	0.1112528	0.18438337	3.0571838	20	—	—
465466 2008 SD_{142}	16.6	X	84.69858	354.58571	40.56087	10.41023	0.1445237	0.18981569	2.9985731	20	1 10.4	20.6
465467 2008 SG_{146}	16.8	X	342.87047	218.04997	222.95235	9.60861	0.2165025	0.17736483	3.1373120	20	—	—
465468 2008 SD_{196}	16.6	X	348.31364	247.52232	210.77664	15.24577	0.1907454	0.17719022	3.1393728	20	—	—
465469 2008 SL_{201}	17.0	X	327.10641	256.62844	216.87376	8.88130	0.2493957	0.17478389	3.1681211	20	—	—
465470 2008 SM_{256}	17.1	X	133.86190	168.87137	191.06358	10.44763	0.1558252	0.19785167	2.9168196	20	1 22.9	21.6
465471 2008 SE_{265}	16.4	X	359.12589	26.81908	48.12582	15.57413	0.2570651	0.17469300	3.1692200	20	—	—
465472 2008 SV_{265}	16.8	X	335.41559	259.80630	197.22772	4.52611	0.2429961	0.17401998	3.1773860	20	—	—
465473 2008 SP_{267}	16.4	X	273.13758	343.02559	232.27153	9.54410	0.0339445	0.19307325	2.9647493	20	—	—
465474 2008 SO_{270}	16.5	X	65.10702	20.19891	9.81411	15.65739	0.2783395	0.18507426	3.0495707	20	—	—
465475 2008 SF_{274}	16.7	X	156.88151	27.66933	327.72529	1.21907	0.0791540	0.20329019	2.8645634	20	2 4.5	20.8
465476 2008 SB_{279}	16.7	X	114.42829	141.25937	215.05134	7.56718	0.0270408	0.19081913	2.9880517	20	—	—
465477 2008 SK_{281}	16.8	X	86.92215	114.15687	265.89860	2.76793	0.0989159	0.18348990	3.0671001	20	—	—
465478 2008 SP_{299}	16.7	X	54.22799	220.23659	184.87368	9.49219	0.1524856	0.18584196	3.0411664	20	—	—
465479 2008 TV_{6}	16.1	X	4.34874	203.53149	188.22259	23.90364	0.1848905	0.17444801	3.1721865	20	12 18.8	20.4
465480 2008 TG_{32}	16.2	X	315.74192	324.68956	193.06913	6.06026	0.0841668	0.18726258	3.0257662	20	—	—
465481 2008 TJ_{33}	17.1	X	218.85998	117.89161	195.44264	13.25221	0.2024527	0.20886996	2.8133173	20	2 10.9	22.2
465482 2008 TF_{62}	16.9	X	169.13086	355.55096	295.99378	0.62922	0.0454018	0.18828686	3.0147829	20	—	—
465483 2008 TL_{62}	16.9	X	178.73434	2.62369	313.59461	1.05125	0.0926953	0.19745743	2.9207007	20	1 13.3	21.2
465484 2008 TK_{64}	16.8	X	291.40122	124.78712	29.23527	11.89849	0.0291649	0.18210675	3.0826108	20	—	—
465485 2008 TW_{69}	16.5	X	53.63211	206.12889	178.30024	6.92667	0.1140526	0.18117441	3.0931773	20	—	—
465486 2008 TX_{74}	16.6	X	201.40446	294.44004	32.51967	10.64008	0.1627752	0.20487383	2.8497825	20	2 21.2	21.4
465487 2008 TM_{79}	16.8	X	341.03209	69.42541	38.40143	16.61918	0.2317727	0.17589256	3.1547945	20	—	—
465488 2008 TU_{84}	17.4	X	233.48765	294.90682	5.98450	1.43865	0.2723338	0.21254341	2.7808077	20	2 8.6	22.4
465489 2008 TQ_{89}	17.1	X	81.21500	185.98138	204.26926	1.90360	0.1647673	0.18887375	3.0085344	20	—	—
465490 2008 TE_{97}	14.2	X	73.97683	80.29621	211.61827	18.70197	0.0590898	0.08431453	5.1507181	20	10 17.1	21.1
465491 2008 TP_{103}	17.2	X	132.06134	320.61348	45.24857	3.31174	0.0839690	0.19701732	2.9250488	20	1 22.9	21.3
465492 2008 TF_{112}	16.4	X	99.17818	17.06497	10.19248	15.89411	0.1873205	0.19319481	2.9635056	20	1 30.1	20.7
465493 2008 TS_{114}	16.2	X	71.47456	331.92584	50.44207	11.94839	0.1284779	0.18482800	3.0522789	20	—	—
465494 2008 TH_{142}	17.2	X	230.67219	270.52800	26.92401	8.28986	0.1904996	0.21023380	2.8011371	20	2 8.7	22.0
465495 2008 TV_{162}	17.1	X	8.42350	19.52882	22.10542	5.34634	0.1701223	0.17479810	3.1679495	20	—	—
465496 2008 TX_{167}	16.7	X	294.62350	328.56337	237.69244	6.98092	0.0886104	0.19752244	2.9200599	20	1 1.9	21.0
465497 2008 TV_{176}	16.7	X	51.84809	351.48626	69.59393	9.81266	0.0813896	0.18479186	3.0526768	20	—	—
465498 2008 TT_{177}	16.1	X	96.80998	108.16795	241.26733	25.48094	0.2088824	0.18534453	3.0466054	20	—	—
465499 2008 TF_{189}	15.8	X	357.70438	73.53822	5.79706	9.47587	0.0620695	0.17859400	3.1229004	20	—	—
465500 2008 UZ	16.7	X	28.73347	11.56981	49.73212	5.16136	0.2719154	0.18265032	3.0764917	20	—	—
465501 2008 UR_{15}	17.2	X	129.86466	30.22551	329.25332	3.99740	0.0949229	0.19647666	2.9304124	20	1 13.9	21.3
465502 2008 UZ_{32}	16.1	X	353.49074	269.18236	209.77092	10.64575	0.0732917	0.18425133	3.0586442	20	—	—
465503 2008 UX_{34}	16.8	X	135.99008	296.74456	32.55034	8.06507	0.0589324	0.18956100	3.0012584	20	—	—
465504 2008 UA_{41}	16.1	X	69.16655	342.28383	42.48401	17.69864	0.2597742	0.18394859	3.0619992	20	—	—
465505 2008 UL_{47}	15.7	X	160.77046	44.45582	241.85793	17.28752	0.0718717	0.17929076	3.1148044	20	—	—
465506 2008 US_{65}	16.5	X	132.43437	184.42862	152.47738	9.57600	0.0071108	0.18962281	3.0006061	20	—	—
465507 2008 UP_{73}	16.3	X	300.96402	109.76669	43.42691	26.55762	0.1699651	0.17429583	3.1740326	20	—	—
465508 2008 UM_{74}	16.0	X	349.33375	121.47144	32.16323	11.68075	0.0526106	0.18886700	3.0086061	20	1 16.6	20.2
465509 2008 UV_{82}	16.6	X	15.40014	51.98620	23.36697	10.13114	0.0964259	0.17809210	3.1287650	20	—	—
465510 2008 UT_{89}	17.2	X	75.53906	336.14373	70.96279	4.46223	0.0592726	0.19025283	2.9939782	20	—	—
465511 2008 UZ_{112}	16.8	X	137.54390	94.97085	236.22736	9.54903	0.0569273	0.18771860	3.0208640	20	—	—
465512 2008 UV_{127}	16.2	X	5.08301	40.19175	65.42384	16.70515	0.0594561	0.18049136	3.1009762	20	—	—
465513 2008 UO_{128}	16.5	X	250.64862	241.78826	79.88598	5.23637	0.3416017	0.21950170	2.7217242	20	3 13.4	21.4
465514 2008 UU_{131}	16.1	X	5.81507	62.89489	37.07503	10.53932	0.0517336	0.18361628	3.0656925	20	—	—
465515 2008 UB_{136}	16.4	X	31.04765	49.64541	44.29834	6.94971	0.1224307	0.18702106	3.0283708	20	—	—
465516 2008 UO_{137}	16.0	X	0.43684	19.02156	44.46547	9.88698	0.0819373	0.17421791	3.1749789	20	—	—
465517 2008 UD_{139}	17.2	X	137.18802	150.88202	220.76336	1.02833	0.1084802	0.19615013	2.9336636	20	2 6.3	21.5
465518 2008 UA_{146}	16.9	X	128.87865	195.97502	166.14093	2.21822	0.1544222	0.19263111	2.9692842	20	1 22.8	21.2
465519 2008 UC_{151}	15.9	X	333.89206	247.81639	230.60377	20.87024	0.1534456	0.17597070	3.1538605	20	—	—
465520 2008 UG_{154}	16.6	X	8.28911	224.51265	232.19300	9.66873	0.1105346	0.18025036	3.1037397	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465521 2008 UR_{166}	16.5	X	86.62377	342.72116	48.33933	10.86426	0.1070376	0.18837195	3.0138749	20	1 2.0	20.6
465522 2008 UL_{177}	16.2	X	303.71498	265.63674	229.24681	9.70304	0.0341966	0.17885511	3.1198603	20	—	—
465523 2008 UZ_{179}	16.7	X	337.87361	69.76934	43.20177	16.37484	0.2250782	0.17431721	3.1737731	20	—	—
465524 2008 UC_{183}	16.4	X	4.32232	24.68511	66.50657	4.73881	0.1384554	0.18150654	3.0894028	20	—	—
465525 2008 UL_{187}	16.3	X	14.99296	227.70280	199.13548	3.53497	0.0939680	0.17429477	3.1740455	20	—	—
465526 2008 UG_{192}	16.1	X	358.78544	10.62494	63.35168	10.26700	0.2331123	0.17360595	3.1824357	20	—	—
465527 2008 UH_{196}	16.6	X	0.43115	31.86104	63.85780	9.34822	0.2070502	0.18284726	3.0742823	20	—	—
465528 2008 US_{205}	16.3	X	2.27587	336.42153	137.09387	18.38167	0.1919712	0.17801677	3.1296476	20	—	—
465529 2008 UR_{233}	15.8	X	188.46416	263.53802	10.58078	9.39268	0.0378598	0.18416325	3.0596194	20	—	—
465530 2008 UU_{236}	16.3	X	10.51120	195.11617	247.66704	10.93012	0.0891304	0.18051540	3.1007010	20	—	—
465531 2008 UW_{248}	16.0	X	294.91339	130.18689	73.09536	12.75303	0.0823784	0.18564938	3.0432693	20	1 2.2	20.3
465532 2008 UL_{252}	16.2	X	8.81947	227.90389	221.45982	14.19163	0.1046710	0.18114516	3.0935102	20	—	—
465533 2008 UJ_{262}	16.5	X	122.62376	334.54861	32.04280	12.91665	0.1931632	0.19080675	2.9881809	20	1 31.2	21.2
465534 2008 UR_{265}	16.9	X	75.84989	18.76900	20.83011	9.46883	0.1335482	0.18831478	3.0144849	20	1 1.6	20.9
465535 2008 UQ_{267}	17.0	X	70.35757	190.39244	199.87441	1.09801	0.1017593	0.18483912	3.0521564	20	—	—
465536 2008 UU_{279}	17.3	X	21.96421	24.97030	64.80611	2.57613	0.1311608	0.18491884	3.0512792	20	—	—
465537 2008 UM_{285}	16.2	X	43.23557	346.26438	66.23142	11.36938	0.1450586	0.17933562	3.1142850	20	—	—
465538 2008 UX_{285}	16.3	X	325.03108	83.55432	43.93946	8.57916	0.1310320	0.17920789	3.1157646	20	—	—
465539 2008 UM_{306}	16.9	X	216.58135	244.91175	30.23954	10.60144	0.0634597	0.19111001	2.9850190	20	1 4.5	21.5
465540 2008 UC_{322}	16.3	X	303.87392	282.39521	246.15253	8.93951	0.0556757	0.18835023	3.0141067	20	—	—
465541 2008 UP_{348}	16.2	X	347.04571	245.36178	245.08788	9.42817	0.0754146	0.18543553	3.0456085	20	—	—
465542 2008 UF_{349}	16.9	X	47.03016	206.63945	195.47145	2.21129	0.1760522	0.18015775	3.1048032	20	—	—
465543 2008 UJ_{349}	16.9	X	9.97626	328.22363	111.54242	2.53911	0.1252241	0.17726006	3.1385480	20	—	—
465544 2008 UE_{353}	16.8	X	123.22212	138.95706	225.68945	4.76532	0.1551958	0.18975296	2.9992339	20	1 19.5	21.3
465545 2008 UH_{369}	15.9	X	56.47927	355.72413	39.09224	21.18561	0.2351845	0.18061737	3.0995338	20	—	—
465546 2008 VP_{7}	16.0	X	339.98468	214.10110	237.26706	15.59050	0.2884834	0.17540388	3.1606513	20	—	—
465547 2008 VN_{12}	16.4	X	15.55690	352.63370	83.72215	11.92580	0.1996751	0.17765705	3.1338708	20	—	—
465548 2008 VG_{40}	18.3	X	190.26883	88.93152	344.80561	5.51100	0.1093069	0.30534238	2.1841275	20	6 17.2	21.4
465549 2008 VD_{41}	16.7	X	22.12694	115.95469	305.61339	5.71097	0.1597698	0.17768263	3.1335699	20	—	—
465550 2008 VF_{45}	16.5	X	310.79090	294.92801	197.57890	11.19722	0.1380765	0.17369005	3.1814084	20	—	—
465551 2008 VR_{48}	16.1	X	59.76437	172.42412	244.63282	7.82842	0.0052561	0.18263028	3.0767168	20	—	—
465552 2008 VE_{63}	16.3	X	102.41279	129.89401	224.52748	9.85883	0.0703385	0.18351761	3.0667913	20	—	—
465553 2008 VC_{66}	16.8	X	20.36210	331.84875	106.72524	6.42646	0.1151183	0.17863348	3.1224403	20	—	—
465554 2008 WR_{11}	15.8	X	62.61974	164.77383	227.90538	9.23598	0.0581987	0.18110647	3.0939508	20	—	—
465555 2008 WQ_{18}	16.9	X	332.37187	64.22367	40.01239	5.69078	0.1127900	0.17643827	3.1482860	20	—	—
465556 2008 WP_{31}	15.3	X	262.85451	316.09909	261.98858	15.25722	0.1317743	0.17945130	3.1129464	20	—	—
465557 2008 WW_{35}	16.2	X	27.76242	202.38030	239.67947	6.98300	0.1433126	0.18148712	3.0896231	20	—	—
465558 2008 WX_{36}	16.4	X	354.64733	230.44575	233.74288	4.00897	0.1205579	0.17774929	3.1327865	20	—	—
465559 2008 WT_{46}	15.5	X	242.81316	331.44322	256.02898	14.12504	0.0325768	0.17996359	3.1070360	20	—	—
465560 2008 WD_{68}	16.4	X	27.90026	169.24410	233.18281	3.78811	0.2376493	0.17434096	3.1734848	20	—	—
465561 2008 WR_{80}	16.4	X	183.38252	167.82072	92.13019	9.95911	0.0408234	0.17470856	3.1690318	20	—	—
465562 2008 WV_{82}	16.6	X	84.22716	317.95441	84.61286	18.81619	0.0291135	0.18496690	3.0507506	20	1 2.9	20.8
465563 2008 WS_{87}	16.6	X	310.85756	38.93796	80.50246	5.90433	0.1597496	0.17126493	3.2113705	20	—	—
465564 2008 WC_{92}	16.9	X	121.77999	111.53798	235.01777	3.84865	0.1414735	0.18599980	3.0394458	20	—	—
465565 2008 WE_{103}	15.9	X	356.07555	2.25736	77.72779	8.89024	0.1644306	0.17536472	3.1611218	20	—	—
465566 2008 WX_{103}	16.3	X	110.58589	0.41039	27.47152	12.32146	0.1034775	0.19216075	2.9741275	20	1 31.6	20.7
465567 2008 WD_{109}	16.2	X	106.78044	264.44571	57.52210	10.83639	0.0485320	0.17357077	3.1828657	20	—	—
465568 2008 WY_{109}	18.7	X	231.31143	346.03369	63.94001	4.25025	0.0984601	0.30884386	2.1675880	20	7 4.6	21.3
465569 2008 WH_{113}	16.3	X	55.84694	332.81403	76.20560	9.87668	0.1170183	0.18048822	3.1010122	20	—	—
465570 2008 WA_{114}	15.5	X	276.64622	281.72776	252.63593	14.68334	0.1374724	0.17152154	3.2081668	20	—	—
465571 2008 WE_{122}	17.1	X	4.69212	250.07560	187.26888	1.11894	0.1803712	0.17570622	3.1570245	20	—	—
465572 2008 WZ_{130}	15.7	X	75.95075	167.74200	261.75800	11.20753	0.1366001	0.18843339	3.0132198	20	2 3.6	19.7
465573 2008 WA_{131}	16.3	X	97.41378	270.06991	69.59824	12.55143	0.0549741	0.17369795	3.1813120	20	—	—
465574 2008 WG_{138}	16.1	X	42.25977	327.73037	75.27290	11.05744	0.2149879	0.17700467	3.1415663	20	—	—
465575 2008 WB_{139}	15.7	X	34.06938	276.51670	112.08089	5.88003	0.1591459	0.17134949	3.2103139	20	—	—
465576 2008 XV_{13}	16.2	X	79.19645	345.59204	34.14174	10.99265	0.0746768	0.18174154	3.0867391	20	—	—
465577 2008 XA_{51}	16.3	X	354.23654	13.42943	95.65085	6.50332	0.1374391	0.17260949	3.1946720	20	—	—
465578 2008 YZ_{14}	16.0	X	59.76022	157.23733	250.55477	7.40590	0.0418854	0.18073635	3.0981734	20	—	—
465579 2008 YT_{26}	16.0	X	77.96135	172.92001	239.01242	15.27447	0.0928144	0.18444471	3.0565059	20	1 11.1	20.3
465580 2008 YE_{42}	16.0	X	88.40385	276.07553	63.77832	10.20577	0.1325261	0.17379261	3.1801566	20	—	—
465581 2008 YD_{59}	18.3	X	126.27766	86.93479	71.41571	2.96675	0.0211225	0.30143187	2.2029769	20	7 26.4	20.8
465582 2008 YO_{80}	16.1	X	196.70866	339.72092	312.44460	8.45237	0.0662338	0.17585864	3.1552001	20	1 6.2	20.9
465583 2008 YQ_{85}	16.4	X	4.09020	174.18380	236.61216	4.15362	0.1168340	0.16854735	3.2457976	20	—	—
465584 2008 YR_{118}	18.2	X	77.77908	229.23455	310.20714	1.68675	0.1463047	0.28891997	2.2661275	20	7 6.3	20.9
465585 2008 YG_{130}	16.3	X	214.64924	198.33956	101.84592	17.93568	0.0960977	0.18478710	3.0527292	20	2 1.6	21.1
465586 2008 YB_{132}	18.4	X	205.91286	336.43647	85.35516	4.79109	0.1431112	0.30015789	2.2092059	20	6 16.3	21.6
465587 2008 YK_{142}	16.1	X	128.53350	281.08458	107.90182	5.89165	0.1056696	0.18634443	3.0356971	20	2 20.4	20.6
465588 2008 YG_{162}	18.7	X	133.76386	17.96463	146.14115	2.20467	0.0896381	0.30227316	2.1988874	20	8 18.1	21.7
465589 2008 YR_{172}	18.3	X	90.78732	49.67148	108.98209	6.18697	0.0713096	0.28925671	2.2643684	20	6 12.1	20.9
465590 2009 AR_{35}	18.0	X	327.85062	48.94996	283.95795	6.80817	0.1214952	0.30583649	2.1817744	20	8 10.8	19.7
465591 2009 AE_{43}	18.2	X	181.77234	325.55729	118.94486	4.88792	0.1267076	0.29647702	2.2274537	20	6 22.4	21.3
465592 2009 AZ_{44}	18.6	X	75.92993	267.01042	317.49652	3.61420	0.1989213	0.29674431	2.2261160	20	9 13.3	21.6
465593 2009 BL_{26}	16.2	X	262.34227	130.97279	110.86145	14.53281	0.0642791	0.17637024	3.1490956	20	1 15.1	20.7
465594 2009 BX_{26}	16.0	X	201.53204	170.56883	118.39569	25.09820	0.0385260	0.17418045	3.1754341	20	1 7.2	20.7
465595 2009 BU_{87}	17.8	X	8.59967	311.57577	319.86432	7.52630	0.0480277	0.29473117	2.2362414	20	7 20.6	20.0
465596 2009 BQ_{127}	18.1	X	244.34414	265.18872	144.68633	3.81393	0.0611516	0.29972014	2.2113565	20	7 27.1	20.7
465597 2009 BT_{133}	18.6	X	196.50242	132.17868	307.05467	5.15559	0.1164310	0.29807790	2.2194713	20	7 2.1	21.6
465598 2009 BL_{137}	17.9	X	70.14017	216.93332	344.63535	0.58811	0.0785823	0.29210542	2.2496224	20	7 16.9	20.4
465599 2009 BS_{141}	18.5	X	29.16240	254.42415	342.01887	3.45121	0.1096767	0.28898450	2.2657901	20	7 7.9	20.7
465600 2009 BK_{172}	18.5	X	100.38773	341.82342	162.21343	2.82311	0.1011571	0.28663491	2.2781553	20	6 8.8	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465601 2009 BE_{189}	15.8	X	60.83202	343.35198	85.58806	10.72005	0.1144139	0.17705557	3.1409642	20	1 16.0	19.8
465602 2009 CU_{10}	18.0	X	131.98179	269.15581	255.21838	3.68379	0.0668287	0.29738041	2.2229404	20	8 12.8	20.9
465603 2009 CW_{27}	17.6	X	31.16146	246.04766	346.15782	2.91004	0.1170706	0.28641425	2.2793252	20	7 5.6	19.7
465604 2009 CT_{43}	18.2	X	116.57044	42.65410	145.61713	3.81531	0.0906095	0.29997939	2.2100823	20	8 31.7	20.9
465605 2009 DV_{18}	15.8	X	39.54610	343.01064	86.88597	20.29816	0.1711969	0.18114141	3.0935529	20	—	—
465606 2009 DX_{22}	17.9	X	4.66426	254.06463	2.90108	4.80639	0.1579554	0.28239682	2.3008917	20	6 24.5	19.7
465607 2009 DP_{43}	17.9	X	213.38309	90.85048	326.89776	7.60283	0.1040404	0.29447536	2.2375362	20	6 22.3	21.0
465608 2009 DL_{49}	16.2	X	250.49430	28.23280	176.66115	7.74921	0.0691794	0.15328576	3.4578131	20	—	—
465609 2009 DN_{50}	18.2	X	49.47637	48.58137	175.95821	5.11209	0.1105456	0.28435619	2.2903099	20	7 23.0	20.7
465610 2009 DR_{53}	18.4	X	132.15281	112.40675	12.92037	3.80343	0.0911848	0.28844960	2.2685904	20	6 21.1	21.4
465611 2009 DC_{75}	17.8	X	181.43702	107.73642	340.20825	4.50690	0.1062359	0.29154358	2.2525117	20	6 27.3	21.0
465612 2009 DT_{84}	18.6	X	124.18968	75.02036	40.00010	3.47546	0.1784922	0.28346763	2.2950936	20	6 5.5	21.9
465613 2009 DS_{125}	18.7	X	35.96303	30.51788	188.06575	2.07723	0.1678778	0.27926022	2.3180884	20	6 29.9	20.9
465614 2009 DU_{130}	17.9	X	44.47784	66.01397	187.90729	4.39798	0.1517609	0.28923801	2.2644660	20	9 5.7	20.4
465615 2009 DH_{135}	17.7	X	68.78708	45.25667	159.46045	6.82471	0.1093396	0.28645403	2.2791142	20	7 23.2	20.4
465616 2009 EC	18.8	X	245.97569	225.99918	28.63946	37.65853	0.3647106	0.41924283	1.7680408	20	—	—
465617 2009 EK_{1}	21.4	X	169.07930	21.85514	358.40030	9.12576	0.2290550	0.71312424	1.2407737	20	2 3.4	20.5
465618 2009 EJ_{29}	18.2	X	60.70867	94.13590	146.89304	5.01793	0.1998311	0.28687544	2.2768817	20	9 19.5	21.0
465619 2009 FJ_{22}	18.2	X	105.53379	15.06196	191.20492	9.93161	0.3134812	0.29268863	2.2466331	20	9 26.3	22.2
465620 2009 FT_{36}	18.0	X	15.35880	181.93611	87.98197	3.66628	0.1509905	0.28483593	2.2877376	20	8 10.9	19.9
465621 2009 FQ_{42}	18.1	X	32.21683	190.58251	77.50733	5.53865	0.1454056	0.28733854	2.2744346	20	9 10.5	20.5
465622 2009 FS_{52}	16.1	X	252.64653	355.14260	178.19386	8.78699	0.0590143	0.15077328	3.4961211	20	12 21.9	21.1
465623 2009 FK_{72}	18.3	X	28.91695	81.86600	172.37039	5.48941	0.2163921	0.28232190	2.3012987	20	8 21.4	20.3
465624 2009 HK_{15}	17.6	X	357.39498	284.03357	29.84570	7.23832	0.1367085	0.29038152	2.2585172	20	9 16.5	19.5
465625 2009 HR_{20}	18.1	X	67.28955	132.95364	55.17330	7.17897	0.1033110	0.27854160	2.3220738	20	6 25.6	20.8
465626 2009 HD_{22}	17.8	X	359.09075	169.22951	89.04523	6.85032	0.1906236	0.27607692	2.3358735	20	6 13.4	19.2
465627 2009 HB_{23}	17.9	X	34.86201	51.67138	162.92674	5.61040	0.1670626	0.27505814	2.3416377	20	6 21.2	20.1
465628 2009 HT_{31}	17.4	X	263.45020	222.50435	144.49147	6.92277	0.1529724	0.27807956	2.3246452	20	6 6.7	20.5
465629 2009 HC_{38}	18.0	X	6.77296	148.76247	124.78640	7.04217	0.1166808	0.28322714	2.2963926	20	7 24.1	19.9
465630 2009 HH_{82}	17.4	X	347.32753	197.89290	68.25977	9.85662	0.2668098	0.26946365	2.3739374	20	5 19.8	18.6
465631 2009 HE_{93}	18.0	X	72.23902	37.29217	108.62134	3.52869	0.1842708	0.26932147	2.3747728	20	5 16.7	20.6
465632 2009 JN_{2}	17.1	X	356.01039	70.26564	210.97467	21.60162	0.1905223	0.27580210	2.3374249	20	7 10.3	19.6
465633 2009 JR_{5}	20.3	X	94.09313	309.92274	128.21226	3.94920	0.3515502	0.70310085	1.2525382	20	—	—
465634 2009 JS_{6}	18.3	X	61.00375	92.06109	144.48638	6.79693	0.0862869	0.28387554	2.2928945	20	8 25.2	20.9
465635 2009 KA_{13}	18.1	X	294.02809	198.57710	116.35751	2.94486	0.1157506	0.26797817	2.3827022	20	5 12.2	20.8
465636 2009 KS_{15}	18.1	X	33.67452	98.68917	149.55560	4.66893	0.1083865	0.27889068	2.3201357	20	8 1.6	20.4
465637 2009 KK_{17}	18.0	X	17.87113	46.08492	202.21050	5.82149	0.0793490	0.27489413	2.3425691	20	6 29.9	20.6
465638 2009 KH_{23}	17.7	X	296.48783	200.79101	122.45502	7.91550	0.1565294	0.26932604	2.3747459	20	5 22.6	20.5
465639 2009 LY_{6}	17.2	X	287.49903	22.42931	288.35427	5.54325	0.1544049	0.25508467	2.4623313	20	4 17.2	20.5
465640 2009 MN_{9}	17.1	X	272.51153	120.07017	204.11238	9.56743	0.2602900	0.25502007	2.4627470	20	4 5.2	20.8
465641 2009 PW_{3}	17.2	X	303.91053	159.86583	165.80450	11.31307	0.2382115	0.25996114	2.4314411	20	5 24.3	20.1
465642 2009 PX_{7}	17.4	X	237.30157	214.40282	162.09187	14.59841	0.1189365	0.25280091	2.4771386	20	5 25.5	21.3
465643 2009 PY_{12}	18.1	X	307.89758	147.40677	157.12941	2.86666	0.1977686	0.25373502	2.4710551	20	5 5.4	20.8
465644 2009 QG_{3}	18.0	X	325.22605	112.48175	183.48568	2.81524	0.2773920	0.26014970	2.4302661	20	5 9.9	20.1
465645 2009 QP_{3}	17.4	X	267.81217	2.80843	298.64945	7.94462	0.2017841	0.24550375	2.5259842	20	3 6.9	21.4
465646 2009 QJ_{7}	17.3	X	160.01207	50.69308	320.22516	5.73303	0.1733602	0.22811740	2.6527548	20	2 29.7	21.6
465647 2009 QM_{9}	18.4	X	304.02311	51.51152	240.24490	0.71910	0.1707612	0.25380516	2.4705999	20	4 14.2	21.2
465648 2009 QA_{23}	16.7	X	142.06543	252.36791	167.32986	21.97111	0.0468773	0.23545296	2.5973668	20	4 4.3	20.4
465649 2009 QD_{57}	17.7	X	147.22988	210.82466	180.82729	4.65365	0.1053721	0.22922270	2.6442203	20	3 8.5	21.6
465650 2009 RT_{8}	14.0	X	308.46241	23.25966	5.70760	8.73174	0.0607494	0.08301666	5.2042625	20	9 4.5	20.7
465651 2009 RN_{15}	16.7	X	206.39292	299.91366	13.93693	13.11157	0.1891257	0.22668597	2.6639104	20	2 8.5	21.4
465652 2009 RA_{35}	13.7	X	122.37043	23.05214	210.69376	20.20953	0.0224403	0.08351430	5.1835682	20	9 29.0	20.7
465653 2009 RL_{35}	17.1	X	206.91430	283.06958	25.67624	11.71130	0.1097211	0.22137707	2.7063313	20	2 2.7	21.5
465654 2009 RR_{49}	17.1	X	201.34503	336.71645	14.26559	14.09075	0.1530193	0.23152915	2.6266302	20	3 17.0	21.3
465655 2009 RU_{49}	16.9	X	99.10861	204.96147	200.41531	9.73206	0.1467381	0.21538056	2.7563332	20	2 3.2	20.7
465656 2009 RB_{50}	17.9	X	147.55582	5.02286	18.70128	1.50025	0.1321030	0.22377601	2.6869548	20	3 2.9	21.8
465657 2009 RU_{54}	17.1	X	215.48660	306.39377	28.93784	13.98285	0.2228588	0.23217945	2.6217233	20	3 11.7	21.8
465658 2009 RX_{62}	13.2	X	295.73963	33.59359	12.23514	33.31447	0.1189526	0.08188020	5.2523070	20	9 13.2	20.1
465659 2009 RE_{72}	16.5	X	29.65227	99.35767	25.79318	10.85832	0.1534468	0.21466593	2.7624471	20	2 4.8	19.6
465660 2009 RJ_{72}	17.1	X	38.53390	94.43418	14.26185	15.31978	0.1876389	0.21346673	2.7727833	20	2 3.2	20.2
465661 2009 RC_{73}	17.5	X	116.04146	141.34913	241.11442	5.00241	0.0363065	0.21693456	2.7431542	20	1 12.8	21.2
465662 2009 SD_{13}	17.2	X	127.32213	280.64072	179.98261	22.24122	0.0420676	0.24204102	2.5500189	20	5 9.7	21.0
465663 2009 SD_{44}	17.0	X	79.76309	75.87717	356.11211	7.49957	0.2087061	0.21352228	2.7723023	20	2 25.0	20.3
465664 2009 SL_{47}	17.3	X	250.94728	325.83917	335.74088	3.38310	0.2142714	0.23426531	2.6061379	20	2 23.9	21.4
465665 2009 SV_{50}	17.3	X	61.42880	270.50028	173.48501	7.37676	0.2397166	0.21490026	2.7604386	20	2 12.0	20.1
465666 2009 SP_{51}	17.1	X	126.30677	51.03477	332.07838	11.80063	0.2259553	0.22134274	2.7066111	20	2 19.6	21.3
465667 2009 SE_{69}	16.7	X	139.68209	309.05310	45.07725	6.70830	0.2337126	0.21641143	2.7475731	20	1 31.8	21.2
465668 2009 SG_{76}	17.1	X	234.52926	251.63952	56.55842	9.22739	0.1156523	0.22894538	2.6463551	20	2 28.3	21.3
465669 2009 SV_{76}	17.2	X	249.90663	239.09620	48.82303	12.25602	0.0520553	0.22565426	2.6720240	20	2 26.9	21.2
465670 2009 SD_{80}	18.3	X	256.54985	151.52303	172.15554	4.14113	0.1421185	0.24499990	2.5294462	20	4 2.9	21.8
465671 2009 SK_{91}	17.5	X	232.78247	125.94472	203.77862	8.86928	0.2060523	0.23587100	2.5942969	20	3 11.5	22.0
465672 2009 SD_{105}	16.8	X	94.27213	79.72512	4.18854	14.78764	0.0604178	0.22587200	2.6703065	20	3 9.2	20.3
465673 2009 SM_{108}	17.6	X	152.17073	331.30608	48.45787	4.62968	0.2382417	0.22243711	2.6977263	20	3 12.3	22.1
465674 2009 SL_{136}	16.7	X	304.80718	218.12072	18.54029	11.66964	0.0712412	0.22608558	2.6686245	20	2 25.1	20.3
465675 2009 SC_{138}	17.1	X	136.71771	339.81662	19.97692	7.01025	0.0559705	0.21437024	2.7649867	20	1 15.5	21.0
465676 2009 ST_{160}	18.4	X	310.21320	248.39817	201.99852	21.11028	0.1188671	0.37161787	1.9160419	20	—	—
465677 2009 SY_{193}	16.5	X	154.19129	7.23995	359.67536	9.86586	0.0838899	0.22356266	2.6886640	20	2 16.5	20.4
465678 2009 SY_{194}	18.0	X	120.71678	151.51449	245.47874	1.85716	0.0885738	0.22116625	2.7080508	20	2 12.5	21.6
465679 2009 SC_{203}	17.3	X	157.25910	199.52614	158.37217	4.85088	0.0607406	0.22007653	2.7169828	20	2 3.4	21.1
465680 2009 SE_{203}	17.3	X	244.84642	303.46676	28.66970	15.28929	0.1412810	0.23854330	2.5748853	20	4 4.1	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465681 2009 SD_{205}	17.3	X	161.80228	317.13308	21.62477	6.27627	0.0632142	0.21559648	2.7544926	20	1 19.2	21.4
465682 2009 SC_{208}	16.9	X	118.87729	236.83912	202.50449	10.17376	0.0400188	0.23055480	2.6340253	20	3 27.3	20.5
465683 2009 SV_{212}	17.0	X	151.79119	183.38071	194.91118	13.35290	0.1598941	0.22351010	2.6890856	20	2 28.7	21.4
465684 2009 SA_{213}	16.9	X	282.21205	242.95644	26.64540	12.24303	0.0692441	0.23015136	2.6371026	20	3 9.6	20.6
465685 2009 SR_{215}	17.3	X	95.64392	220.73563	190.45863	3.96764	0.1240094	0.21817374	2.7327573	20	2 4.0	20.8
465686 2009 SD_{233}	16.3	X	183.55289	347.02574	41.42596	15.71869	0.2677709	0.23298126	2.6157047	20	4 16.6	21.0
465687 2009 SC_{236}	16.6	X	139.09772	257.62710	122.70124	9.20241	0.2864233	0.22404947	2.6847680	20	3 6.3	21.1
465688 2009 SE_{258}	14.4	X	343.30142	177.35921	180.84505	20.02660	0.0629335	0.08542386	5.1060288	20	9 10.8	20.9
465689 2009 SO_{269}	17.3	X	169.99462	177.86588	188.92344	9.76637	0.0968239	0.22711390	2.6605631	20	2 28.9	21.4
465690 2009 SX_{269}	17.5	X	140.00350	4.89785	17.42642	12.12093	0.1427742	0.22264637	2.6960357	20	2 28.0	21.7
465691 2009 SC_{271}	17.0	X	339.63077	273.65758	327.32422	4.50132	0.2146049	0.23905361	2.5712197	20	3 25.8	19.4
465692 2009 SC_{281}	17.2	X	222.92060	176.03901	161.83122	17.61895	0.1578029	0.23804134	2.5785039	20	3 18.4	21.3
465693 2009 SY_{285}	17.9	X	156.16891	205.82373	176.90903	4.07051	0.1488591	0.22881374	2.6473700	20	3 10.5	22.1
465694 2009 ST_{286}	17.1	X	130.86251	155.78830	238.33698	7.12757	0.0553823	0.22190132	2.7020671	20	2 14.2	21.0
465695 2009 SQ_{288}	17.1	X	171.48449	347.97520	20.86911	8.12807	0.2418973	0.22868844	2.6483370	20	3 14.5	21.6
465696 2009 SU_{303}	16.8	X	185.53223	324.43245	43.39111	14.09429	0.1885556	0.23121737	2.6289909	20	3 26.6	21.3
465697 2009 SE_{338}	16.8	X	96.60257	350.45182	24.84221	12.52283	0.1528167	0.21220856	2.7837322	20	—	—
465698 2009 SZ_{341}	17.1	X	165.36816	158.01877	212.51644	7.97153	0.0928494	0.22552438	2.6730498	20	2 27.7	21.2
465699 2009 SC_{352}	18.0	X	18.38963	117.12906	237.86014	20.78546	0.1505503	0.37179581	1.9154304	20	—	—
465700 2009 SN_{354}	16.8	X	233.73852	304.18476	46.42970	12.58533	0.0895985	0.23132899	2.6281451	20	4 20.0	20.7
465701 2009 SM_{355}	16.4	X	255.55881	234.09583	49.24772	10.38198	0.0281378	0.21889745	2.7267307	20	3 1.2	20.4
465702 2009 TN_{22}	16.4	X	118.10631	110.36991	262.10403	8.40221	0.2548920	0.21386856	2.7693090	20	1 31.0	20.7
465703 2009 TH_{25}	17.7	X	221.71195	142.22068	205.20896	9.08988	0.2229577	0.23682780	2.5873048	20	3 23.5	22.1
465704 2009 TB_{32}	17.0	X	75.29405	5.43300	38.19433	10.17849	0.2297780	0.20955131	2.8072158	20	1 16.2	20.3
465705 2009 TN_{35}	17.5	X	202.52495	308.05989	55.15255	5.96367	0.2869293	0.23325648	2.6136469	20	3 30.5	22.3
465706 2009 TK_{41}	17.7	X	257.65575	285.45545	230.10463	19.71570	0.0803211	0.37418092	1.9072822	20	—	—
465707 2009 TR_{45}	17.2	X	204.72003	202.28371	158.29372	12.66135	0.2059580	0.23416516	2.6068809	20	3 30.0	21.7
465708 2009 UW_{5}	16.9	X	183.11846	312.13395	59.11804	9.23209	0.2215584	0.22944993	2.6424742	20	3 27.8	21.5
465709 2009 UX_{9}	17.5	X	55.68332	2.69672	79.70459	4.69678	0.0695620	0.21388533	2.7691642	20	1 13.6	20.8
465710 2009 UG_{20}	16.6	X	81.74649	111.01986	260.45151	14.04832	0.2750136	0.20177401	2.8788955	20	—	—
465711 2009 UM_{32}	16.6	X	38.39767	226.41746	222.99391	12.56987	0.1928562	0.20376351	2.8601256	20	—	—
465712 2009 UU_{38}	17.6	X	201.35900	182.78598	175.24636	2.49548	0.1342804	0.22824345	2.6517780	20	3 22.9	21.6
465713 2009 UA_{62}	16.9	X	148.65741	331.70199	32.68522	12.09425	0.1263180	0.22152380	2.7051361	20	2 14.2	21.2
465714 2009 UK_{63}	17.4	X	175.89291	157.64076	170.51007	6.54957	0.0274175	0.21662266	2.7457867	20	1 16.5	21.3
465715 2009 UT_{66}	17.6	X	277.05554	218.53353	71.54505	4.07107	0.1978104	0.23776790	2.5804804	20	3 9.0	21.4
465716 2009 UV_{69}	17.3	X	124.69699	239.31300	117.82580	5.90649	0.1059315	0.21231154	2.7828320	20	1 3.4	21.1
465717 2009 UQ_{83}	16.9	X	126.43901	327.88845	65.92359	4.44821	0.1987984	0.21623024	2.7491078	20	3 3.2	21.1
465718 2009 UT_{84}	17.7	X	219.41892	249.31220	96.00720	3.37108	0.2175889	0.23169786	2.6253550	20	3 22.7	22.1
465719 2009 UV_{85}	17.0	X	192.28616	153.96284	214.82663	5.46760	0.1760899	0.22819271	2.6521711	20	3 26.4	21.4
465720 2009 UB_{103}	17.2	X	202.79602	179.34498	179.90910	14.52048	0.2644763	0.23292337	2.6161382	20	3 24.2	21.7
465721 2009 UQ_{107}	17.1	X	205.64292	108.12913	244.20516	4.76770	0.1072269	0.22595979	2.6696148	20	3 18.2	21.3
465722 2009 UL_{112}	17.1	X	342.21359	26.85729	55.70549	8.83125	0.2473815	0.18672910	3.0315266	20	—	—
465723 2009 UU_{115}	17.4	X	110.17167	328.60389	39.99541	4.63608	0.0854021	0.21146883	2.7902202	20	—	—
465724 2009 UT_{127}	17.0	X	106.07982	3.10167	41.33154	14.70294	0.1866405	0.21348838	2.7725958	20	2 27.4	21.1
465725 2009 UD_{132}	16.6	X	80.01801	174.01719	255.34846	8.48113	0.1761043	0.21372110	2.7705827	20	2 11.4	20.1
465726 2009 UT_{135}	16.6	X	110.63696	299.81818	88.65184	5.97236	0.1693156	0.21275869	2.7789315	20	2 4.4	20.4
465727 2009 UD_{140}	16.9	X	124.29649	0.29996	57.16785	7.10571	0.0654571	0.22096800	2.7096704	20	3 15.1	20.7
465728 2009 US_{151}	17.1	X	172.48276	301.71996	40.59806	4.72867	0.1100148	0.21485931	2.7607893	20	2 7.5	21.4
465729 2009 VV_{12}	17.5	X	347.07592	266.93520	245.27483	3.40398	0.0086950	0.21046418	2.7990925	20	1 9.3	21.4
465730 2009 VY_{12}	17.3	X	194.30558	312.52693	40.94714	9.83533	0.1557465	0.22692620	2.6620301	20	3 15.3	21.7
465731 2009 VH_{15}	17.1	X	245.43229	254.65671	11.61194	4.34271	0.0207003	0.21428631	2.7657087	20	1 24.9	20.9
465732 2009 VP_{15}	16.7	X	263.30590	204.02914	33.97265	12.29739	0.0997454	0.21149366	2.7900018	20	1 3.3	21.0
465733 2009 VQ_{24}	16.7	X	160.05747	149.50084	227.62171	12.67170	0.1373492	0.22190967	2.7019993	20	3 2.5	21.1
465734 2009 VV_{27}	16.3	X	81.69737	224.80414	233.88555	12.34248	0.0836684	0.21897223	2.7261098	20	3 6.9	20.1
465735 2009 VF_{29}	17.2	X	108.73353	121.32862	290.66313	3.15943	0.0694723	0.21526416	2.7573267	20	2 14.6	20.9
465736 2009 VL_{32}	16.9	X	60.94384	38.27777	40.65681	9.63375	0.1663980	0.20573884	2.8417892	20	2 1.1	20.3
465737 2009 VW_{50}	16.7	X	110.18800	192.54119	199.73878	4.78937	0.1666423	0.21215883	2.7841672	20	2 5.3	20.6
465738 2009 VS_{60}	17.5	X	211.59327	257.65303	85.18070	3.53120	0.2128229	0.22930629	2.6435776	20	3 13.9	21.9
465739 2009 VV_{60}	18.0	X	121.91908	63.24210	228.58701	20.95416	0.0386028	0.37473899	1.9053882	20	—	—
465740 2009 VN_{61}	17.3	X	79.86036	203.67166	239.35967	5.53610	0.0461861	0.21410661	2.7672560	20	2 11.7	21.0
465741 2009 VR_{72}	17.8	X	322.85406	334.59732	60.41646	23.03107	0.0940650	0.36208854	1.9495133	20	12 1.1	19.1
465742 2009 VB_{78}	16.4	X	279.56627	219.32805	90.22278	13.54817	0.0929068	0.23666082	2.5885217	20	4 24.9	20.1
465743 2009 VT_{84}	16.7	X	79.72512	340.50334	68.01586	12.18729	0.1433177	0.20318014	2.8655977	20	1 17.4	20.4
465744 2009 VJ_{87}	17.3	X	116.36041	287.16890	107.73553	4.73235	0.1022415	0.21146323	2.7902695	20	2 9.6	21.2
465745 2009 VC_{88}	16.9	X	101.22302	14.14431	45.98170	8.73974	0.1426245	0.21202163	2.7853682	20	3 2.8	20.8
465746 2009 VB_{100}	17.2	X	42.05405	151.45991	288.35008	2.84962	0.0841803	0.19920576	2.9035866	20	—	—
465747 2009 VT_{105}	16.6	X	132.66924	306.19782	54.11189	14.07792	0.2145085	0.21369339	2.7708222	20	2 2.1	21.1
465748 2009 VL_{109}	17.2	X	254.86557	296.84033	34.74739	12.12333	0.2214532	0.23797855	2.5789575	20	4 5.8	21.3
465749 2009 WO_{6}	17.2	X	321.65308	30.38425	76.20946	28.76292	0.5820917	0.18193301	3.0845729	20	—	—
465750 2009 WU_{13}	16.4	X	1.33776	35.56424	73.21102	10.99262	0.0513441	0.20090911	2.8871518	20	—	—
465751 2009 WS_{26}	17.0	X	358.13537	129.96965	46.25010	8.61750	0.1608282	0.21292550	2.7774800	20	2 15.3	20.1
465752 2009 WU_{32}	16.9	X	152.50360	302.34088	70.54486	5.59438	0.0805045	0.21420403	2.7664168	20	2 22.3	21.0
465753 2009 WE_{45}	17.0	X	238.30426	266.96881	62.67048	13.82841	0.2017248	0.23191030	2.6237515	20	3 26.0	21.5
465754 2009 WK_{45}	16.8	X	57.17947	43.32934	77.26561	9.36452	0.1450234	0.21431005	2.7655044	20	3 19.5	20.2
465755 2009 WG_{50}	15.9	X	62.69649	26.25435	57.92372	26.55622	0.1307736	0.21148398	2.7900869	20	2 12.5	19.9
465756 2009 WC_{67}	16.7	X	19.76825	56.13011	72.75898	5.47249	0.0180031	0.21192752	2.7861927	20	1 22.6	20.4
465757 2009 WG_{70}	17.1	X	195.87644	64.38799	281.80087	5.09411	0.0629130	0.22270876	2.6955322	20	2 29.8	21.2
465758 2009 WE_{71}	17.1	X	246.74636	263.22501	72.23440	7.57980	0.0786848	0.23152893	2.6266318	20	4 17.2	20.9
465759 2009 WW_{89}	17.1	X	168.84216	245.50182	100.14255	7.54499	0.0376682	0.21007679	2.8025326	20	2 2.7	21.0
465760 2009 WE_{105}	17.7	X	130.78832	207.99970	67.68681	23.73589	0.0446150	0.37158057	1.9161701	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465761 2009 WM_{108}	17.5	X	95.60871	213.30478	187.17819	3.67458	0.0978196	0.20885805	2.8134243	20	1 19.5	21.3
465762 2009 WA_{120}	16.4	X	132.34234	335.26101	64.99366	15.69229	0.0253555	0.21648770	2.7469278	20	3 3.1	20.6
465763 2009 WD_{133}	17.3	X	26.04967	4.75308	49.12394	6.93175	0.2084400	0.19487155	2.9464818	20	—	—
465764 2009 WB_{153}	17.3	X	24.25504	56.91134	37.43211	14.00540	0.1677213	0.20013320	2.8946093	20	—	—
465765 2009 WJ_{175}	16.9	X	209.39093	31.37591	282.23107	8.50719	0.1255294	0.21776810	2.7361498	20	2 4.7	21.3
465766 2009 WU_{181}	16.9	X	247.52509	152.88715	207.41056	6.14802	0.2679000	0.24025453	2.5626443	20	4 28.3	21.1
465767 2009 WH_{185}	17.2	X	292.30093	48.33391	222.62706	8.01308	0.0945460	0.22925750	2.6439527	20	3 12.2	20.8
465768 2009 WJ_{188}	17.0	X	114.18387	131.87933	270.49077	3.28723	0.0729763	0.21408576	2.7674356	20	2 9.8	20.9
465769 2009 WY_{207}	16.7	X	98.76241	357.20919	60.83676	13.25847	0.0990997	0.21148638	2.7900658	20	2 21.6	20.7
465770 2009 WK_{210}	17.1	X	66.59384	340.52556	102.37403	3.06367	0.0491548	0.20910263	2.8112301	20	1 28.6	20.7
465771 2009 WE_{215}	17.2	X	178.02905	25.77339	313.85861	5.28570	0.0778373	0.21283231	2.7782906	20	2 6.4	21.3
465772 2009 WL_{219}	17.5	X	11.35055	328.81173	100.36358	1.83857	0.3212667	0.19077728	2.9884887	20	—	—
465773 2009 WT_{229}	16.8	X	57.34861	32.80156	75.95534	5.96686	0.1200074	0.21427756	2.7657839	20	2 27.1	20.1
465774 2009 WN_{230}	16.7	X	188.65625	303.81812	63.95527	12.03659	0.0411575	0.22089800	2.7102428	20	3 28.4	20.7
465775 2009 WF_{234}	17.0	X	117.58977	302.74186	54.50265	6.58437	0.1443463	0.20838213	2.8177063	20	1 1.3	21.0
465776 2009 WM_{257}	16.7	X	186.87998	71.80064	259.64704	4.19544	0.0806652	0.21131892	2.7915396	20	2 4.8	20.9
465777 2009 XJ_{4}	17.0	X	78.50913	198.94811	242.20782	4.34373	0.0466319	0.20995998	2.8035719	20	2 8.8	20.8
465778 2009 XO_{4}	16.1	X	336.32774	55.97796	67.78512	10.88662	0.0452392	0.19355562	2.9598215	20	—	—
465779 2009 YJ_{6}	16.6	X	113.87667	241.73135	108.47099	9.32034	0.0930034	0.20052540	2.8908338	20	—	—
465780 2010 AP_{12}	16.2	X	285.05601	249.70251	290.46191	9.31361	0.0752573	0.18122109	3.0926461	20	—	—
465781 2010 AQ_{32}	16.6	X	327.69563	356.04919	138.65616	6.03278	0.1090327	0.18059250	3.0998183	20	—	—
465782 2010 AF_{33}	16.2	X	25.28220	89.16845	328.17494	9.01932	0.1042742	0.18192882	3.0846203	20	—	—
465783 2010 AG_{37}	15.9	X	4.21143	97.84371	322.58708	25.16170	0.2441699	0.17868680	3.1218192	20	—	—
465784 2010 AO_{44}	16.4	X	19.55140	101.66224	327.54092	14.71864	0.0991417	0.17880610	3.1204304	20	—	—
465785 2010 AN_{47}	16.5	X	16.68089	269.60409	146.40366	9.20714	0.1944199	0.18202396	3.0835454	20	—	—
465786 2010 AU_{60}	16.9	X	333.96077	12.41824	79.59798	8.99626	0.2894548	0.18110306	3.0939896	20	—	—
465787 2010 AL_{100}	16.1	X	318.11030	38.76329	154.01671	15.85527	0.0372207	0.18181641	3.0858915	20	1 23.5	20.5
465788 2010 AL_{128}	16.1	X	191.57900	147.38435	154.82239	28.81335	0.1683711	0.17111111	3.2132949	20	1 14.9	21.7
465789 2010 BV_{1}	16.9	X	355.36977	310.03537	145.25859	11.64016	0.1755091	0.18267390	3.0762270	20	—	—
465790 2010 BH_{9}	15.8	X	70.32413	343.83347	77.09822	16.21916	0.0303963	0.17663878	3.1459031	20	1 9.9	20.3
465791 2010 BU_{34}	16.1	X	80.55726	138.80437	280.12887	14.02698	0.0880937	0.17929301	3.1147784	20	1 24.3	20.3
465792 2010 BB_{37}	16.1	X	34.76656	1.82934	94.37623	10.65037	0.0823671	0.17739835	3.1369168	20	1 8.4	20.1
465793 2010 BR_{66}	15.6	X	297.55484	100.04956	82.89303	22.22931	0.0767151	0.17219136	3.1998416	20	—	—
465794 2010 CT_{2}	17.1	X	321.93421	42.49305	104.62821	2.49098	0.1279432	0.18080022	3.0974437	20	—	—
465795 2010 CW_{34}	16.2	X	314.00648	65.98620	128.30519	11.14208	0.0341623	0.18759339	3.0222080	20	1 20.6	20.5
465796 2010 CC_{36}	16.0	X	282.63632	55.10286	151.17885	27.72406	0.1605824	0.17978237	3.1091235	20	—	—
465797 2010 CS_{44}	16.4	X	278.56834	281.74231	247.52766	7.99944	0.0339570	0.17713911	3.1399766	20	—	—
465798 2010 CV_{63}	16.6	X	276.07955	79.37158	145.70631	11.11001	0.1555318	0.18162340	3.0880774	20	—	—
465799 2010 CB_{72}	16.4	X	273.36760	43.77116	146.44571	11.33758	0.1615918	0.17743693	3.1364620	20	—	—
465800 2010 CH_{77}	15.9	X	83.83826	66.35153	340.50672	11.51069	0.0678088	0.18672078	3.0316166	20	1 15.1	20.1
465801 2010 CL_{84}	16.2	X	328.90450	6.90869	133.74577	4.02933	0.0855484	0.17951214	3.1122430	20	—	—
465802 2010 CP_{115}	16.0	X	25.68473	299.87558	138.20906	12.20671	0.1374000	0.18313815	3.0710260	20	—	—
465803 2010 CN_{116}	15.9	X	300.92258	17.54316	140.64521	18.60769	0.0867464	0.17750618	3.1356462	20	—	—
465804 2010 CK_{122}	16.2	X	253.14832	240.67079	351.80461	12.84924	0.2321142	0.17492438	3.1664246	20	—	—
465805 2010 CA_{146}	16.7	X	299.86177	87.85572	97.74390	15.49300	0.2792645	0.18305173	3.0719925	20	—	—
465806 2010 CF_{153}	16.5	X	154.55718	39.48779	329.72627	11.24589	0.0721938	0.19845685	2.9108869	20	2 18.6	20.8
465807 2010 CS_{179}	16.7	X	347.68758	31.73403	100.34731	9.81434	0.1950524	0.18386298	3.0629496	20	—	—
465808 2010 CN_{182}	16.9	X	299.43350	22.01048	124.00196	2.34695	0.1398411	0.17370673	3.1812047	20	—	—
465809 2010 CU_{182}	16.0	X	339.03546	203.37531	299.85352	8.33069	0.0739290	0.18263998	3.0766079	20	—	—
465810 2010 CB_{183}	15.8	X	324.46255	221.21933	270.64871	8.08479	0.0649794	0.17653744	3.1471069	20	—	—
465811 2010 CH_{248}	16.2	X	353.20079	328.32754	130.04510	11.98494	0.0686674	0.18150125	3.0894628	20	—	—
465812 2010 DH_{42}	16.8	X	346.30610	132.33297	318.33995	3.92223	0.1511388	0.17218221	3.1999550	20	—	—
465813 2010 DG_{48}	16.8	X	303.17101	350.46642	169.65817	5.85898	0.0849859	0.17722834	3.1389225	20	—	—
465814 2010 DE_{74}	16.8	X	273.51206	209.48299	358.54179	1.27761	0.1551537	0.17635593	3.1492660	20	—	—
465815 2010 EF_{41}	16.5	X	209.46033	97.51499	157.71620	3.95445	0.0894722	0.16890641	3.2411960	20	—	—
465816 2010 EZ_{42}	15.9	X	353.92323	349.11466	128.12988	13.06472	0.2203360	0.18172680	3.0869060	20	—	—
465817 2010 EP_{66}	16.3	X	167.07854	187.52600	163.64096	16.26912	0.0932361	0.18957867	3.0010719	20	2 11.2	20.9
465818 2010 EW_{77}	16.4	X	243.03558	91.91020	130.14800	5.60410	0.1181431	0.17098464	3.2148792	20	—	—
465819 2010 EQ_{86}	16.4	X	110.78214	16.62066	321.53448	8.34408	0.0330637	0.17024464	3.2241885	20	—	—
465820 2010 ER_{104}	15.8	X	264.88469	83.25877	146.19918	15.75418	0.0986614	0.17906241	3.1174520	20	—	—
465821 2010 EE_{122}	16.5	X	312.55107	316.97240	200.49930	14.03397	0.2289693	0.17536706	3.1610937	20	—	—
465822 2010 EU_{132}	16.3	X	194.15497	283.26719	16.46472	19.96604	0.0916470	0.17658890	3.1464955	20	1 16.8	21.5
465823 2010 EU_{134}	16.4	X	265.62131	22.32136	201.93214	16.48716	0.1524201	0.17283414	3.1919031	20	—	—
465824 2010 FR	21.7	X	227.77222	272.62776	167.29314	14.23749	0.3653928	0.81849055	1.1318623	20	—	—
465825 2010 FD_{96}	16.6	X	241.31674	237.81307	2.98227	25.92206	0.2072296	0.17375272	3.1806434	20	—	—
465826 2010 GA_{24}	21.0	X	102.52246	237.52509	30.73499	7.68871	0.5456483	0.32436776	2.0978653	20	12 14.8	25.7
465827 2010 GF_{134}	15.6	X	236.54846	145.47062	99.06787	17.06252	0.0977339	0.16887702	3.2415720	20	—	—
465828 2010 GB_{135}	15.9	X	177.75776	280.17802	31.35747	16.34504	0.0508075	0.17351026	3.1836058	20	1 9.9	20.9
465829 2010 HD_{18}	16.3	X	272.65116	152.58599	35.86101	18.71098	0.0932021	0.18086293	3.0967276	20	—	—
465830 2010 HC_{79}	15.9	X	217.21020	81.30617	220.17893	9.46256	0.2164228	0.17334505	3.1856282	20	1 30.3	21.6
465831 2010 JX_{10}	16.8	X	289.24937	21.26530	333.54637	21.18067	0.2298265	0.28796454	2.2711372	20	6 11.5	19.9
465832 2010 JZ_{35}	16.3	X	288.30046	355.45629	198.89297	21.64097	0.0265908	0.17441192	3.1726241	20	—	—
465833 2010 JX_{117}	15.9	X	186.23128	191.79556	47.57550	9.74301	0.0795862	0.15125471	3.4886985	20	12 22.9	21.3
465834 2010 LQ_{30}	16.2	X	284.44288	237.79112	314.91408	13.90198	0.0570406	0.17660440	3.1463114	20	—	—
465835 2010 LG_{53}	17.4	X	231.42038	193.56794	190.54814	22.25761	0.1242751	0.27623556	2.3349791	20	5 26.7	21.1
465836 2010 ME_{34}	18.0	X	335.87601	235.30809	87.34552	3.36776	0.1897375	0.28994356	2.2607910	20	8 11.2	19.2
465837 2010 ME_{45}	17.7	X	273.05899	319.14754	31.92033	2.70827	0.1119793	0.27758731	2.3273926	20	6 1.9	20.4
465838 2010 MJ_{46}	17.8	X	318.74671	284.21925	41.81503	2.89675	0.1771983	0.28547680	2.2843124	20	7 3.1	19.5
465839 2010 NT_{53}	17.9	X	314.61151	309.16250	9.62382	5.49998	0.2489411	0.28260789	2.2997459	20	5 27.1	20.0
465840 2010 NN_{67}	18.2	X	321.89493	154.60718	163.37974	3.29149	0.1891955	0.28275531	2.2989465	20	6 24.0	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465841 2010 NS_{110}	17.5	X	252.80991	234.37710	128.01050	3.01964	0.1378283	0.27195727	2.3594038	20	5 19.8	20.8
465842 2010 OO_{16}	16.3	X	224.94479	80.21812	183.35427	15.29903	0.0979806	0.16924033	3.2369312	20	—	—
465843 2010 OV_{24}	17.6	X	329.94426	304.45697	1.36819	9.05605	0.1578458	0.28072033	2.3100434	20	6 26.7	19.7
465844 2010 OW_{36}	17.6	X	321.51353	210.30646	131.27913	5.93044	0.2154838	0.28685344	2.2769982	20	8 1.7	18.7
465845 2010 OK_{80}	17.8	X	249.88264	310.70695	55.23385	5.86038	0.2445625	0.27090136	2.3655307	20	5 8.8	21.5
465846 2010 OK_{122}	16.9	X	78.14309	233.28776	250.81904	10.49916	0.2161508	0.24568308	2.5247549	20	4 27.4	20.1
465847 2010 PJ_{41}	17.0	X	133.76457	352.47097	26.93566	9.66172	0.1718767	0.23923511	2.5699190	20	2 18.8	20.9
465848 2010 PQ_{51}	17.8	X	111.02124	223.61925	177.61615	5.11065	0.2130234	0.23671383	2.5881352	20	2 21.4	21.3
465849 2010 PD_{60}	18.0	X	335.27133	157.90794	166.10666	6.85728	0.1439091	0.29497711	2.2349982	20	8 10.9	19.6
465850 2010 PC_{61}	17.9	X	282.99645	162.47438	189.66265	0.96069	0.2278968	0.28365205	2.2940987	20	5 29.9	20.7
465851 2010 PP_{78}	18.3	X	15.04299	213.39622	124.21490	5.92701	0.2347263	0.30604867	2.1807659	20	12 11.6	20.7
465852 2010 RS_{16}	17.6	X	7.36273	135.13651	183.16688	8.49966	0.1536634	0.30141087	2.2030792	20	10 16.6	19.5
465853 2010 RJ_{42}	19.5	X	314.64513	249.60037	341.28664	33.10794	0.3229379	0.47391997	1.6292937	20	—	—
465854 2010 RV_{48}	17.6	X	227.20906	11.57001	8.35618	2.52941	0.2003147	0.27022435	2.3694801	20	5 8.4	21.4
465855 2010 RB_{59}	18.1	X	284.41751	2.93085	328.23799	5.61955	0.1929325	0.27902058	2.3194155	20	5 4.7	21.1
465856 2010 RC_{67}	17.6	X	237.45126	127.53584	243.23593	4.31375	0.2500374	0.27239789	2.3568588	20	5 2.3	21.3
465857 2010 RW_{77}	17.5	X	214.99466	249.34977	130.89863	2.83594	0.2212013	0.26670753	2.3902640	20	4 28.7	21.5
465858 2010 RG_{99}	18.2	X	51.21960	52.78872	229.50812	3.61548	0.1734857	0.30158641	2.2022242	20	10 31.7	20.9
465859 2010 RE_{102}	17.6	X	298.00486	138.56623	199.36603	8.95468	0.0332236	0.27853280	2.3221227	20	7 2.9	20.5
465860 2010 RJ_{106}	18.0	X	1.82871	263.59889	5.32181	6.86184	0.0906342	0.27926449	2.3180648	20	7 5.8	20.4
465861 2010 RQ_{111}	17.7	X	201.71172	20.91119	9.69188	7.47978	0.1714626	0.26568374	2.3964005	20	4 28.7	21.6
465862 2010 RH_{116}	17.4	X	66.21461	244.26972	172.00173	11.89988	0.2940323	0.22922759	2.6441827	20	1 18.1	20.0
465863 2010 RC_{123}	18.0	X	17.04214	261.99009	36.72842	2.13735	0.2216400	0.29673257	2.2261747	20	10 13.8	20.0
465864 2010 RJ_{123}	17.6	X	326.54317	275.29289	26.59113	4.61963	0.1547995	0.28098921	2.3085695	20	6 11.4	19.5
465865 2010 RD_{166}	17.8	X	0.13751	297.17142	11.18225	7.69087	0.2031164	0.29241920	2.2480128	20	9 21.3	19.2
465866 2010 SF_{8}	17.9	X	43.99275	103.68333	185.42543	6.08567	0.0996474	0.30179400	2.2012142	20	10 21.9	20.3
465867 2010 SS_{15}	18.1	X	294.09699	171.11809	170.43657	1.97866	0.2333029	0.28071419	2.3100771	20	5 30.3	20.7
465868 2010 SX_{26}	17.5	X	271.00983	332.51796	9.33472	5.63105	0.2308485	0.27469136	2.3437217	20	4 28.5	20.9
465869 2010 SW_{28}	17.7	X	248.20835	172.52429	194.65905	3.93397	0.2448599	0.27275142	2.3548217	20	5 9.2	21.4
465870 2010 TX_{6}	18.0	X	350.82387	306.66525	359.04766	1.92766	0.2151967	0.28905981	2.2653966	20	8 22.5	19.0
465871 2010 TK_{10}	18.1	X	189.77894	6.74886	24.19380	1.78655	0.1711169	0.26249479	2.4157701	20	4 20.1	22.0
465872 2010 TY_{15}	17.6	X	301.14926	39.46727	268.13756	4.67678	0.0964956	0.27293485	2.3537666	20	5 13.6	20.2
465873 2010 TU_{21}	18.2	X	263.41822	349.93772	17.16906	7.54844	0.1422946	0.27686935	2.3314143	20	6 5.9	21.3
465874 2010 TB_{22}	18.0	X	270.42667	335.01602	18.56736	5.94799	0.1899976	0.27656296	2.3331359	20	5 19.6	21.2
465875 2010 TG_{22}	17.8	X	27.33102	10.30582	192.40793	5.85129	0.0854828	0.26545668	2.3977668	20	5 9.7	20.3
465876 2010 TL_{24}	17.9	X	133.87298	99.88743	23.45351	11.30341	0.0691032	0.26969965	2.3725523	20	6 16.9	21.3
465877 2010 TA_{28}	17.9	X	127.30630	143.99619	346.66221	6.44195	0.0560289	0.27324589	2.3519800	20	6 18.6	21.1
465878 2010 TM_{34}	18.3	X	93.01153	54.46747	78.19844	2.64965	0.1170162	0.25928509	2.4356657	20	5 16.1	21.3
465879 2010 TG_{79}	17.6	X	236.56956	193.52498	182.30669	2.59521	0.2428327	0.26962977	2.3729622	20	5 9.9	21.5
465880 2010 TF_{86}	18.7	X	352.61406	118.78379	172.74032	5.90300	0.2264210	0.28835047	2.2691103	20	7 29.3	20.0
465881 2010 TL_{129}	17.7	X	16.71259	237.86241	83.64974	6.32814	0.2223254	0.30060167	2.2070311	20	11 18.2	19.9
465882 2010 TC_{139}	17.7	X	32.73751	294.07416	253.00986	5.06522	0.0668818	0.25743114	2.4473458	20	4 21.8	20.4
465883 2010 TF_{147}	16.9	X	97.84847	178.56381	216.90721	13.96422	0.2528134	0.23360350	2.6110578	20	1 31.2	20.6
465884 2010 TG_{148}	17.9	X	1.29748	107.87137	207.46245	6.53805	0.2473464	0.29296233	2.2452336	20	10 12.1	19.4
465885 2010 TE_{155}	18.1	X	344.68346	79.25627	231.74388	5.50589	0.2483153	0.29126023	2.2539724	20	8 11.7	19.1
465886 2010 TB_{162}	17.6	X	350.89857	180.07710	171.50583	6.85498	0.1988427	0.29716941	2.2239925	20	11 13.4	19.4
465887 2010 TT_{168}	17.3	X	115.77238	54.74392	345.18350	12.07349	0.1702004	0.24078983	2.5588449	20	2 21.7	20.7
465888 2010 TH_{171}	17.8	X	246.88573	212.32987	156.30945	1.34055	0.2030200	0.27062235	2.3671563	20	5 13.7	21.2
465889 2010 UT_{2}	17.0	X	140.40624	16.98677	358.13903	12.67253	0.3393178	0.24208890	2.5496827	20	3 3.6	21.4
465890 2010 UW_{3}	17.6	X	220.68700	333.73519	27.41282	15.47162	0.0479702	0.25837330	2.4413926	20	4 17.9	20.9
465891 2010 UA_{4}	17.9	X	231.05318	343.90564	14.82566	6.81208	0.1396811	0.26263829	2.4148900	20	4 18.8	21.6
465892 2010 UT_{7}	19.6	X	316.74821	277.28586	65.79031	25.43333	0.6605787	0.49467907	1.5833868	20	4 24.2	21.5
465893 2010 UR_{16}	17.8	X	305.68905	284.64369	53.78733	6.65328	0.2695657	0.27942625	2.3171701	20	6 6.8	20.0
465894 2010 UK_{17}	17.9	X	327.10574	124.39454	206.06072	1.46737	0.2416169	0.28280838	2.2986589	20	7 23.2	18.9
465895 2010 UE_{44}	18.1	X	38.95777	50.89098	49.13910	8.43830	0.3172570	0.22716693	2.6601491	20	1 20.9	19.7
465896 2010 UE_{56}	17.6	X	99.17084	151.29825	271.96520	3.47399	0.1929735	0.23632667	2.5909611	20	3 2.5	20.9
465897 2010 UK_{58}	17.0	X	109.49234	139.06284	246.18281	12.51225	0.2731187	0.23231372	2.6207131	20	2 4.1	20.9
465898 2010 UN_{80}	17.5	X	58.33216	205.67069	232.72993	12.97614	0.2374747	0.23135835	2.6279227	20	1 21.2	20.2
465899 2010 UX_{89}	17.5	X	72.22867	56.66201	40.45736	12.54110	0.2293583	0.23603166	2.5931196	20	3 22.9	20.6
465900 2010 UG_{107}	13.7	X	218.85990	248.12363	242.55726	11.08543	0.0346761	0.08312532	5.1997263	20	9 14.1	20.8
465901 2010 VL_{22}	17.0	X	32.46957	122.65394	42.26605	6.39916	0.2362316	0.23926611	2.5696971	20	4 8.2	18.9
465902 2010 VF_{30}	17.7	X	258.96136	323.08740	49.37543	7.49738	0.1289810	0.27400543	2.3476315	20	6 10.3	20.7
465903 2010 VU_{30}	17.8	X	265.25015	304.48361	54.49680	2.70381	0.2041187	0.27534991	2.3399833	20	5 20.2	21.1
465904 2010 VZ_{46}	16.9	X	100.74736	180.50485	242.19921	15.04919	0.1230908	0.23607380	2.5928110	20	2 16.8	20.7
465905 2010 VY_{54}	17.7	X	319.01599	186.57365	109.21587	2.30146	0.1899378	0.27080764	2.3660765	20	5 12.5	19.8
465906 2010 VJ_{57}	18.0	X	107.57286	318.53259	114.79988	2.40917	0.1603218	0.24211322	2.5495119	20	3 23.8	21.3
465907 2010 VY_{81}	16.6	X	50.35835	257.85144	250.57671	14.40372	0.0935889	0.24049576	2.5609304	20	3 25.1	19.9
465908 2010 VV_{90}	18.0	X	278.45283	293.69510	46.10725	4.95669	0.1987778	0.26839913	2.3802102	20	5 10.7	21.2
465909 2010 VM_{105}	14.0	X	212.78271	72.49353	61.53775	24.61342	0.0477244	0.08197259	5.2483598	20	9 28.5	21.4
465910 2010 VT_{107}	17.4	X	276.83890	298.07816	52.58960	7.59394	0.2428924	0.27485847	2.3427717	20	5 17.0	20.5
465911 2010 VF_{113}	16.9	X	44.00365	228.04701	230.38661	21.43027	0.0886426	0.22877886	2.6476391	20	1 8.7	20.5
465912 2010 VT_{118}	17.6	X	69.37419	63.59403	22.48972	5.54666	0.1349767	0.23216152	2.6218584	20	2 14.3	20.6
465913 2010 VB_{120}	17.4	X	42.98282	242.26479	231.63832	13.20195	0.2599098	0.22818436	2.6522358	20	2 9.4	19.9
465914 2010 VQ_{152}	16.5	X	154.69715	97.71445	263.06611	15.67345	0.3750995	0.23955910	2.5676014	20	2 18.6	21.6
465915 2010 VE_{192}	17.1	X	180.48601	69.51484	292.21352	4.87745	0.1435776	0.24540753	2.5266444	20	3 4.4	21.1
465916 2010 VR_{194}	17.6	X	115.66671	292.46778	148.68669	2.73999	0.1528741	0.24629762	2.5205534	20	4 11.2	21.0
465917 2010 VV_{194}	17.7	X	92.91379	77.17060	0.55288	8.63157	0.1431405	0.23835604	2.5762338	20	3 8.4	20.9
465918 2010 VG_{198}	17.7	X	92.31435	29.93984	28.97855	18.18713	0.2447520	0.23408731	2.6074589	20	3 7.4	21.4
465919 2010 VT_{206}	17.8	X	125.71699	104.11948	288.54808	1.73232	0.1700433	0.23904575	2.5712760	20	2 21.6	21.3
465920 2010 VZ_{209}	17.0	X	92.18138	162.12105	317.47633	5.39996	0.0792654	0.25109243	2.4883624	20	4 17.8	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
465921 2010 VT_{210}	17.6	X	211.39588	94.09724	283.85138	5.58562	0.1143552	0.26226061	2.4172079	20	4 23.4	21.2
465922 2010 VC_{220}	17.7	X	250.78356	317.53341	28.80562	7.00020	0.1462391	0.26571219	2.3962294	20	4 23.6	21.0
465923 2010 WX_{3}	17.5	X	177.51041	9.00263	49.85159	7.19280	0.1022480	0.25928676	2.4356553	20	5 13.6	20.9
465924 2010 WH_{16}	17.3	X	120.39384	214.32428	201.72444	8.24912	0.1499531	0.23970708	2.5665446	20	3 12.4	20.9
465925 2010 WD_{29}	17.2	X	63.34184	359.51364	89.52642	15.59884	0.2304957	0.23055674	2.6340105	20	2 26.5	20.2
465926 2010 WU_{35}	17.5	X	116.62645	351.33680	76.26391	7.00101	0.1709848	0.24147776	2.5539828	20	3 31.0	21.2
465927 2010 WE_{52}	17.4	X	88.80748	57.12659	25.33261	2.12937	0.1347756	0.23589618	2.5941123	20	3 7.5	20.6
465928 2010 WY_{57}	17.6	X	49.46285	22.87474	89.53878	3.28642	0.1632498	0.23091006	2.6313229	20	2 18.6	20.3
465929 2010 WC_{70}	17.1	X	139.57179	224.83665	175.66917	4.44979	0.2671171	0.24299766	2.5433218	20	3 25.8	21.2
465930 2010 XA_{4}	16.8	X	66.04861	188.82321	315.74163	3.01252	0.1197316	0.24374311	2.5381336	20	4 22.5	19.7
465931 2010 XN_{50}	17.5	X	54.37975	23.04910	89.38331	9.95656	0.1318170	0.22436290	2.6822671	20	2 28.5	20.7
465932 2010 XV_{55}	16.5	X	31.02345	10.23969	111.63064	30.30487	0.1275375	0.22112868	2.7083576	20	1 27.0	19.5
465933 2010 XW_{71}	17.1	X	58.74703	88.48614	59.25047	5.86988	0.1300576	0.24038249	2.5617348	20	4 20.3	20.0
465934 2010 XZ_{71}	17.3	X	58.36281	28.97537	94.29907	14.49054	0.2115536	0.23412815	2.6071557	20	4 5.2	20.4
465935 2010 XT_{77}	17.3	X	112.88209	337.57972	84.44822	14.73892	0.1609305	0.23769693	2.5809940	20	3 23.2	21.3
465936 2010 XJ_{83}	17.5	X	70.84769	344.94417	92.36072	10.22659	0.2337581	0.22810913	2.6528189	20	2 21.9	20.5
465937 2010 YT_{4}	17.7	X	79.92680	183.97932	250.14443	2.42236	0.1915754	0.23041651	2.6350791	20	2 19.9	20.9
465938 2011 AR_{20}	16.7	X	122.56098	70.93917	302.41291	24.13488	0.1646079	0.22014188	2.7164451	20	1 26.5	20.5
465939 2011 AU_{22}	16.6	X	51.62079	20.42022	105.46829	12.30379	0.1440923	0.22577958	2.6710351	20	3 16.1	19.8
465940 2011 AB_{30}	17.0	X	54.74094	186.32373	307.05144	6.99024	0.0495167	0.23068607	2.6330260	20	3 10.9	20.5
465941 2011 AA_{33}	17.8	X	51.51016	133.25612	334.22112	3.77588	0.1226067	0.22344193	2.6896325	20	2 11.8	20.6
465942 2011 AB_{39}	17.6	X	0.76774	213.56041	326.95803	4.49782	0.0682591	0.22763715	2.6564845	20	2 25.6	20.7
465943 2011 AS_{47}	17.5	X	137.53941	271.93268	144.14034	3.70322	0.0965809	0.23598372	2.5934707	20	3 28.9	21.2
465944 2011 AH_{53}	17.7	X	26.52959	41.25158	99.64639	5.86303	0.1655756	0.21990545	2.7183918	20	2 16.9	20.4
465945 2011 AD_{65}	17.2	X	330.39174	85.53113	111.36536	9.81718	0.1353112	0.22115919	2.7081084	20	1 26.5	20.5
465946 2011 AL_{68}	17.1	X	90.75119	300.27088	133.47861	6.21624	0.2210549	0.22560916	2.6723801	20	3 14.4	20.5
465947 2011 BQ_{15}	17.8	X	59.76310	133.87346	346.47685	5.42101	0.1316427	0.23046840	2.6346836	20	3 13.4	20.6
465948 2011 BG_{26}	17.7	X	8.57366	10.51942	134.42625	10.81744	0.1976058	0.21753984	2.7380635	20	1 13.4	20.3
465949 2011 BJ_{33}	17.0	X	187.30489	216.09237	128.61061	7.18003	0.0328944	0.22236281	2.6983272	20	2 21.0	20.7
465950 2011 BR_{33}	17.1	X	143.52214	264.29236	132.87882	7.32643	0.0683674	0.22677127	2.6632424	20	3 10.2	20.9
465951 2011 BA_{34}	16.7	X	69.26752	284.17880	133.46989	16.56990	0.0905022	0.21171953	2.7880171	20	1 4.0	20.3
465952 2011 BC_{47}	17.2	X	245.27811	33.58173	255.14988	4.52267	0.0540770	0.22121395	2.7076615	20	2 14.5	21.1
465953 2011 BK_{49}	16.7	X	153.13609	347.61112	20.89170	6.51736	0.0527500	0.21755287	2.7379542	20	2 14.6	20.6
465954 2011 BX_{49}	17.1	X	114.84712	56.16038	349.42572	12.63011	0.1145309	0.21975546	2.7196286	20	2 23.1	20.8
465955 2011 BK_{60}	16.9	X	165.02763	324.04453	104.27848	14.19653	0.1573399	0.24510704	2.5287090	20	5 19.3	21.1
465956 2011 BO_{62}	17.1	X	144.40055	319.09406	80.44708	5.86669	0.3185072	0.23772799	2.5807692	20	4 3.7	21.7
465957 2011 BR_{67}	16.7	X	355.73657	149.30475	332.89881	9.62048	0.1712837	0.20999883	2.8032262	20	—	—
465958 2011 BR_{73}	16.4	X	45.54525	272.33847	150.99818	15.49066	0.1410551	0.20407611	2.8572042	20	—	—
465959 2011 BE_{93}	16.6	X	207.83631	31.47585	313.41516	13.30971	0.0608990	0.22734851	2.6587325	20	3 8.9	20.7
465960 2011 BG_{102}	17.0	X	52.90487	353.00931	117.22782	5.83428	0.0675456	0.21980018	2.7192597	20	2 14.1	20.3
465961 2011 BE_{103}	17.5	X	353.73881	137.13899	27.71610	4.38606	0.0578205	0.21702247	2.7424133	20	1 30.3	21.0
465962 2011 BP_{105}	17.2	X	197.60513	176.07556	159.28297	10.27492	0.1270767	0.22452012	2.6810148	20	2 20.6	21.5
465963 2011 BJ_{109}	17.2	X	113.38322	190.09927	217.07854	2.69543	0.0913194	0.21866501	2.7286627	20	2 16.8	21.0
465964 2011 BY_{115}	16.6	X	79.51909	281.58868	115.13821	13.15765	0.1296479	0.21340089	2.7733535	20	—	—
465965 2011 BG_{120}	17.2	X	37.40502	174.96394	318.43841	11.05858	0.1051337	0.22334167	2.6904373	20	2 20.1	20.4
465966 2011 BT_{122}	17.1	X	345.39682	219.12478	336.54737	1.52627	0.0501354	0.22381824	2.6866168	20	2 25.6	20.4
465967 2011 BP_{161}	16.5	X	34.65651	130.21610	28.06837	14.17984	0.1298325	0.22808181	2.6530308	20	3 27.9	19.4
465968 2011 CH_{6}	17.3	X	160.98678	130.54956	234.11781	5.49698	0.0708405	0.22235624	2.6983804	20	2 14.8	21.3
465969 2011 CN_{6}	17.0	X	70.53687	340.72333	141.18754	13.88214	0.2492478	0.22802131	2.6535000	20	4 27.4	20.5
465970 2011 CX_{10}	17.2	X	280.08128	87.60996	164.46785	2.83676	0.1559235	0.21707669	2.7419567	20	1 29.9	21.3
465971 2011 CD_{12}	17.4	X	6.87601	354.70213	141.33356	4.46126	0.0425716	0.21350803	2.7724257	20	1 11.7	21.1
465972 2011 CL_{20}	16.8	X	281.65305	153.87860	342.03677	8.57792	0.0770457	0.18798295	3.0180314	20	12 21.9	20.9
465973 2011 CM_{20}	16.4	X	186.37001	18.72211	306.06977	13.71814	0.0907695	0.22123084	2.7075237	20	1 27.7	20.5
465974 2011 CG_{25}	16.4	X	320.78149	329.55443	118.38773	10.12345	0.1204777	0.18779159	3.0200813	20	12 18.5	20.0
465975 2011 CP_{25}	16.5	X	339.23411	262.02680	298.88534	6.39495	0.1525403	0.21850270	2.7300138	20	2 10.5	19.8
465976 2011 CU_{30}	16.9	X	317.03258	264.61828	314.71053	11.16133	0.0509222	0.22295219	2.6935697	20	2 15.8	20.4
465977 2011 CX_{30}	17.5	X	77.99608	301.88109	132.34587	5.75146	0.1390152	0.22113614	2.7082966	20	2 12.2	20.6
465978 2011 CA_{42}	17.2	X	349.04159	247.85731	282.17667	2.20421	0.0277986	0.21471445	2.7620309	20	1 31.7	21.0
465979 2011 CX_{45}	16.7	X	223.28534	166.42164	115.50082	10.53635	0.1249721	0.20970718	2.8058246	20	1 14.2	21.0
465980 2011 CF_{52}	17.3	X	150.70899	248.44317	136.37930	6.76410	0.1644307	0.22673054	2.6635614	20	3 11.1	21.5
465981 2011 CO_{57}	17.4	X	350.73782	12.96825	144.74094	4.12127	0.0335382	0.21289210	2.7777704	20	1 18.1	21.1
465982 2011 CQ_{79}	16.2	X	296.77513	165.89364	294.87315	8.64252	0.0470815	0.18063592	3.0993216	20	11 28.8	20.4
465983 2011 CG_{84}	17.7	X	124.73040	225.07100	192.77308	2.27652	0.0576323	0.22397675	2.6853491	20	3 10.6	21.5
465984 2011 CY_{89}	17.3	X	164.94436	96.96079	263.54671	3.52761	0.1274683	0.21992033	2.7182692	20	2 19.1	21.6
465985 2011 CZ_{101}	17.9	X	24.46813	268.32930	228.26325	3.14583	0.0479129	0.21540946	2.7560866	20	2 4.6	21.4
465986 2011 CW_{110}	17.2	X	277.40539	7.56571	224.28402	3.97442	0.0516658	0.20875174	2.8143794	20	1 15.7	21.2
465987 2011 DS_{2}	17.0	X	75.91275	271.27519	161.57997	4.94500	0.1376590	0.21364748	2.7712191	20	2 7.2	20.4
465988 2011 DL_{14}	17.2	X	162.10414	201.64060	154.97555	6.76403	0.0502486	0.21693401	2.7431588	20	2 6.8	21.1
465989 2011 DD_{27}	17.1	X	202.10276	180.30498	148.15329	6.52904	0.0953724	0.21921592	2.7240892	20	2 17.5	21.3
465990 2011 DA_{29}	17.9	X	90.30768	282.58514	159.10188	5.28333	0.1197810	0.22337252	2.6901896	20	3 7.2	21.3
465991 2011 EG_{1}	16.6	X	183.02759	190.33424	155.54967	6.56417	0.0474693	0.22092233	2.7100438	20	2 16.9	20.5
465992 2011 ET_{11}	16.1	X	272.98542	187.48510	127.91509	15.15200	0.1070280	0.22831687	2.6512095	20	4 22.9	20.1
465993 2011 EZ_{52}	16.6	X	332.52846	146.98894	33.78887	15.72479	0.0821524	0.20308069	2.8665331	20	1 23.6	20.7
465994 2011 EZ_{69}	16.4	X	215.88484	200.97799	25.59974	11.21820	0.0519127	0.18126715	3.0921222	20	—	—
465995 2011 EQ_{77}	17.1	X	320.40619	62.65496	150.54950	5.37122	0.0639210	0.21275029	2.7790046	20	2 13.3	20.6
465996 2011 EO_{83}	16.8	X	106.19422	83.01761	356.69783	11.77590	0.1272318	0.22209364	2.7005069	20	3 24.9	20.4
465997 2011 FJ_{34}	16.7	X	178.29109	255.79943	21.88181	11.18920	0.0768248	0.18593377	3.0401653	20	—	—
465998 2011 FB_{50}	18.2	X	241.40620	98.37045	6.03210	20.61146	0.0746924	0.37116387	1.9176040	20	10 18.4	20.0
465999 2011 FY_{55}	16.4	X	209.81236	197.46255	34.38536	28.13755	0.1534320	0.17399794	3.1776543	20	—	—
466000 2011 FC_{63}	16.0	X	182.14611	281.88135	10.29307	10.99834	0.0521191	0.19017603	2.9947842	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466001 2011 FB_{84}	15.7	X	156.70410	166.12942	119.84685	9.99146	0.1572642	0.17144799	3.2090843	20	—	—
466002 2011 FJ_{106}	16.5	X	212.08548	268.94269	332.41551	10.64473	0.0229478	0.18645596	3.0344864	20	—	—
466003 2011 FJ_{146}	15.8	X	89.98638	165.57612	127.03107	26.82862	0.1104862	0.17280072	3.1923146	20	12 2.9	21.1
466004 2011 GZ_{1}	16.4	X	247.95623	148.13706	24.85654	16.67202	0.1793432	0.17713028	3.1400810	20	12 2.1	21.1
466005 2011 GB_{4}	16.8	X	256.76095	142.46037	81.56251	3.68966	0.1308680	0.18943736	3.0025641	20	—	—
466006 2011 GM_{13}	16.3	X	201.09710	72.11442	209.98387	16.05345	0.2216672	0.18540407	3.0459531	20	—	—
466007 2011 GQ_{27}	16.4	X	298.44017	87.73151	71.27943	12.46539	0.1056992	0.19030628	2.9934176	20	—	—
466008 2011 GE_{29}	16.5	X	286.37484	299.44895	159.58371	5.21128	0.1107076	0.17124511	3.2116184	20	11 6.2	20.8
466009 2011 GW_{30}	16.6	X	312.52693	312.65543	205.72197	8.20278	0.1165682	0.18996409	2.9970113	20	—	—
466010 2011 GO_{42}	17.0	X	322.42734	226.35528	11.60807	4.93574	0.1043015	0.21992494	2.7182312	20	3 13.9	20.2
466011 2011 GT_{45}	17.6	X	33.48685	295.71616	180.22601	12.70642	0.3477128	0.21336326	2.7736796	20	1 31.8	19.4
466012 2011 GQ_{56}	16.7	X	218.78144	104.92894	137.92518	13.20288	0.1690772	0.18117572	3.0931624	20	—	—
466013 2011 GE_{73}	16.4	X	215.16049	256.06050	30.95547	12.14566	0.1362700	0.19138974	2.9821097	20	1 17.4	21.4
466014 2011 GN_{79}	17.1	X	289.87660	108.40876	45.98792	0.60930	0.1532126	0.18334029	3.0687684	20	—	—
466015 2011 GA_{83}	16.5	X	314.48791	112.13707	46.54905	15.88114	0.0637502	0.19009023	2.9956853	20	—	—
466016 2011 GB_{83}	16.1	X	280.21222	37.80934	164.69034	9.88632	0.0205997	0.19110335	2.9850883	20	—	—
466017 2011 HW_{1}	16.9	X	345.06564	109.29655	67.33999	5.48264	0.1435764	0.20647573	2.8350238	20	1 24.8	20.2
466018 2011 HR_{21}	16.0	X	212.83848	261.74338	66.21707	14.03195	0.2034575	0.20006369	2.8952798	20	3 4.9	21.2
466019 2011 HF_{30}	16.3	X	208.07469	32.11244	221.71749	17.08107	0.1708400	0.17807661	3.1289464	20	—	—
466020 2011 HQ_{35}	15.8	X	90.74840	321.00118	76.88055	11.91405	0.1304145	0.18511993	3.0490690	20	1 20.8	20.0
466021 2011 HD_{41}	16.5	X	297.73060	80.73663	103.39816	10.96509	0.0634291	0.18617185	3.0375729	20	—	—
466022 2011 HQ_{55}	16.6	X	229.40891	87.78106	169.61184	15.13212	0.0869717	0.18393231	3.0621799	20	—	—
466023 2011 HL_{57}	15.8	X	296.32223	65.89178	100.55221	11.74909	0.0855609	0.17981610	3.1087348	20	—	—
466024 2011 HJ_{71}	16.5	X	348.81451	25.22861	72.99834	11.69954	0.1659321	0.18438985	3.0571122	20	—	—
466025 2011 HW_{80}	16.3	X	74.11058	202.15775	175.99267	10.49277	0.0446529	0.17794360	3.1305054	20	—	—
466026 2011 HA_{81}	17.9	X	91.83641	71.94286	208.42566	20.67286	0.0588922	0.37173500	1.9156393	20	12 19.2	20.5
466027 2011 HV_{82}	16.2	X	196.39603	45.09238	210.53904	10.09201	0.2031895	0.17363950	3.1820259	20	—	—
466028 2011 HJ_{84}	16.4	X	274.76168	165.26951	109.43473	17.92371	0.2044188	0.20128521	2.8835543	20	2 21.1	21.0
466029 2011 HO_{90}	16.8	X	266.61953	105.83963	121.27946	4.33970	0.1535825	0.19258899	2.9697171	20	—	—
466030 2011 HJ_{94}	16.5	X	114.20567	230.64969	125.80074	13.94480	0.1058857	0.18419640	3.0592523	20	—	—
466031 2011 HL_{96}	16.4	X	178.46728	166.13676	140.85904	11.58460	0.0167735	0.18567835	3.0429527	20	—	—
466032 2011 HE_{101}	16.3	X	210.51008	171.96480	86.76091	12.29931	0.0566871	0.17876829	3.1208703	20	—	—
466033 2011 HA_{103}	16.4	X	254.24517	109.48472	119.74391	11.05658	0.0740384	0.18969189	2.9998777	20	—	—
466034 2011 JC_{13}	17.1	X	244.97885	152.36331	101.74103	2.46929	0.1536373	0.18772952	3.0207469	20	1 3.2	21.8
466035 2011 JL_{13}	16.6	X	183.61354	176.59486	126.83066	18.51390	0.1945109	0.17876126	3.1209522	20	1 9.5	22.0
466036 2011 JQ_{14}	16.4	X	242.99104	32.76350	194.29679	18.43105	0.0991545	0.18166199	3.0876401	20	—	—
466037 2011 JR_{18}	15.7	X	9.56952	334.55488	95.80608	14.29541	0.0990607	0.17519355	3.1631805	20	—	—
466038 2011 JV_{31}	15.8	X	185.23400	157.39349	115.13733	30.14670	0.2295871	0.17257375	3.1951130	20	—	—
466039 2011 KG	18.6	X	148.63508	223.68304	65.38344	23.42958	0.0393182	0.38689413	1.8652682	20	—	—
466040 2011 KB_{16}	16.6	X	299.31931	64.95219	118.65177	12.27936	0.0830984	0.18442846	3.0566855	20	—	—
466041 2011 KX_{21}	16.5	X	190.00008	173.40154	140.56859	10.78471	0.0961975	0.18580374	3.0415835	20	1 22.7	21.2
466042 2011 KM_{26}	16.5	X	157.97756	103.46084	228.84358	8.16792	0.0833327	0.18392163	3.0622984	20	1 10.7	21.3
466043 2011 KK_{30}	15.7	X	244.26125	312.59934	255.75393	25.85378	0.1614625	0.17563336	3.1578976	20	—	—
466044 2011 KY_{37}	16.7	X	215.60029	13.98878	268.97015	4.42675	0.1798189	0.18377685	3.0639066	20	1 10.5	21.9
466045 2011 LY_{13}	16.4	X	218.29663	60.69850	216.37314	15.90635	0.2028568	0.18010637	3.1053937	20	1 3.9	21.9
466046 2011 LN_{14}	16.6	X	184.12405	123.67629	201.93947	16.34612	0.2996330	0.18045609	3.1013802	20	2 1.9	22.5
466047 2011 LE_{15}	15.7	X	7.39323	24.25855	80.22274	22.76169	0.0111282	0.17919181	3.1159509	20	—	—
466048 2011 LV_{21}	16.8	X	278.14854	155.42370	87.05823	6.30299	0.0780902	0.19531014	2.9420690	20	1 30.2	21.1
466049 2011 LY_{21}	16.6	X	255.94852	115.81253	113.29259	6.43009	0.1815787	0.18475039	3.0531336	20	—	—
466050 2011 OQ_{19}	16.3	X	238.45447	102.15236	141.18813	21.60975	0.2041593	0.17047271	3.2213122	20	—	—
466051 2011 OG_{49}	15.9	X	197.58844	314.06681	345.64658	16.57846	0.2190135	0.17235015	3.1978759	20	1 21.3	21.6
466052 2011 PX_{4}	15.9	X	193.92400	176.01718	152.73144	9.88194	0.2036089	0.17492698	3.1663932	20	2 14.8	21.3
466053 2011 QF_{23}	19.1	X	155.70600	163.97371	160.90077	24.55549	0.3766860	0.38568683	1.8691587	20	1 1.9	22.3
466054 2011 QN_{94}	17.0	X	238.76387	112.95631	182.97830	21.65743	0.3115847	0.17869144	3.1217651	20	2 4.3	22.9
466055 2011 QQ_{98}	16.5	X	195.31478	115.05423	200.44752	11.28457	0.2065173	0.17077146	3.2175541	20	1 29.9	22.2
466056 2011 SL_{57}	18.5	X	243.78058	354.59794	49.62504	4.46750	0.0600464	0.30602284	2.1808886	20	7 19.9	21.1
466057 2011 SJ_{104}	17.4	X	167.95582	30.66349	344.56195	8.08906	0.1916265	0.27933138	2.3176947	20	3 10.8	21.1
466058 2011 SF_{211}	17.3	X	181.75960	15.55130	8.06155	23.74476	0.1528920	0.28696258	2.2764208	20	3 31.5	20.9
466059 2011 SD_{215}	17.8	X	209.81144	21.78599	47.18222	7.53452	0.1870398	0.30290742	2.1958168	20	6 27.5	21.2
466060 2011 TN_{3}	18.2	X	182.42652	18.30152	78.51402	6.01263	0.1901821	0.30154332	2.2024340	20	7 8.9	21.7
466061 2011 UQ_{97}	18.6	X	283.08591	94.42576	261.83579	1.89347	0.0695168	0.31000859	2.1621554	20	7 4.1	20.7
466062 2011 UT_{103}	18.5	X	172.60072	45.49008	44.33468	4.32087	0.1684807	0.29212414	2.2495263	20	6 19.6	22.1
466063 2011 UG_{191}	18.2	X	166.15952	266.14824	212.84885	4.89846	0.0762186	0.30169764	2.2016829	20	7 22.2	21.1
466064 2011 UM_{197}	18.1	X	171.70877	202.46569	237.29833	6.08140	0.1857115	0.29187593	2.2508015	20	6 5.8	21.6
466065 2011 UH_{276}	18.7	X	279.43493	80.82667	297.24540	3.56129	0.1459041	0.31106228	2.1572699	20	7 19.0	20.9
466066 2011 UB_{296}	18.8	X	129.20686	250.24951	212.40387	0.98008	0.1679832	0.28576087	2.2827983	20	5 24.6	22.0
466067 2011 WB_{73}	18.3	X	293.66135	164.46426	218.02622	5.31050	0.0959687	0.31160725	2.1547539	20	8 27.6	20.4
466068 2011 WB_{98}	18.4	X	152.40265	17.85434	106.87760	5.52357	0.1200772	0.29520584	2.2338435	20	7 16.1	21.5
466069 2011 WC_{106}	17.8	X	75.78246	145.50340	54.29342	4.59554	0.0964134	0.29671161	2.2262795	20	7 27.4	20.4
466070 2011 WC_{136}	15.2	X	98.39211	262.19904	81.87418	11.65957	0.2343704	0.12455819	3.9708899	20	—	—
466071 2011 WV_{145}	18.5	X	165.76647	140.72287	290.19881	4.15078	0.2210927	0.28393630	2.2925674	20	5 19.6	22.4
466072 2011 YF_{10}	17.7	X	246.99900	281.84578	92.94984	6.53575	0.1894259	0.29117491	2.2544127	20	5 23.9	20.8
466073 2011 YA_{20}	18.2	X	162.86829	194.99761	256.46178	1.61561	0.1278336	0.28254296	2.3000983	20	6 11.3	21.4
466074 2011 YZ_{24}	17.9	X	120.33886	320.90380	106.87725	11.35072	0.1939431	0.26416623	2.4055692	20	4 8.0	21.6
466075 2011 YM_{34}	17.7	X	51.57919	264.76486	308.32842	6.53149	0.0633000	0.28239487	2.3009023	20	7 2.6	20.2
466076 2011 YT_{49}	17.7	X	145.82892	303.09862	142.01279	5.82105	0.2055454	0.28058132	2.3108063	20	5 22.2	21.4
466077 2011 YA_{58}	18.3	X	115.13326	334.64167	111.23267	2.66876	0.1090833	0.26555122	2.3971977	20	4 10.1	21.5
466078 2012 AU_{6}	17.9	X	144.57705	2.46022	145.60465	4.79716	0.0502985	0.29083421	2.2561730	20	8 5.5	20.8
466079 2012 AJ_{13}	17.7	X	65.77828	138.58684	119.97641	5.52814	0.0914174	0.30038900	2.2080727	20	10 8.6	20.4
466080 2012 AP_{21}	17.4	X	144.63784	349.10234	98.35983	9.01216	0.2348778	0.28049098	2.3113025	20	5 25.9	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466081 2012 AB_{24}	17.9	X	148.48119	18.21112	87.53125	4.49219	0.0956510	0.28130316	2.3068515	20	6 13.5	21.0
466082 2012 BR_{5}	18.2	X	76.23248	96.04473	111.48031	3.78476	0.1484195	0.28366265	2.2940416	20	8 14.7	21.1
466083 2012 BJ_{9}	17.9	X	182.75537	121.30355	287.94727	5.47837	0.1542791	0.27169255	2.3609361	20	5 4.9	21.6
466084 2012 BK_{24}	18.1	X	138.86692	289.71225	129.59592	3.50767	0.3653131	0.27136493	2.3628359	20	4 23.9	22.3
466085 2012 BL_{71}	18.1	X	74.01477	114.88760	23.05260	1.24709	0.1457175	0.26220001	2.4175803	20	4 30.1	20.9
466086 2012 BP_{88}	18.4	X	116.88962	106.50890	12.01067	3.85943	0.1378798	0.27206640	2.3587728	20	5 28.3	21.7
466087 2012 BK_{91}	17.8	X	129.65129	7.07103	138.42229	7.42859	0.1251409	0.27780843	2.3261575	20	7 18.3	21.2
466088 2012 BW_{100}	17.7	X	349.12577	130.71503	122.26667	6.22135	0.1994092	0.26511782	2.3998095	20	5 10.6	19.6
466089 2012 BZ_{106}	17.2	X	169.30118	106.65129	321.47137	6.23735	0.0972376	0.27018689	2.3696991	20	5 14.7	20.7
466090 2012 BO_{108}	18.5	X	11.46787	262.75921	350.08147	2.00799	0.1536796	0.27508590	2.3414802	20	7 2.6	20.3
466091 2012 BP_{109}	17.4	X	135.76066	357.26828	116.75229	7.60182	0.0372217	0.27479909	2.3431092	20	6 5.4	20.4
466092 2012 BU_{111}	17.6	X	68.89813	35.34418	140.64159	5.96669	0.1659926	0.26764108	2.3847025	20	6 20.8	20.4
466093 2012 BN_{124}	18.2	X	82.02294	336.08847	172.60788	2.49218	0.1330271	0.26788103	2.3832782	20	5 26.2	21.0
466094 2012 BV_{131}	17.2	X	59.61635	220.23919	285.63438	10.84162	0.1558468	0.25892127	2.4379468	20	4 14.1	20.1
466095 2012 BZ_{142}	13.3	X	322.11185	279.39230	116.05515	23.37503	0.0863044	0.08368902	5.1763510	20	10 3.9	20.1
466096 2012 CF_{1}	18.7	X	73.29876	33.42554	134.74942	2.07237	0.1127745	0.26875323	2.3781190	20	6 6.9	21.5
466097 2012 CC_{3}	17.9	X	157.20855	308.67153	117.77091	3.25621	0.2018147	0.26984097	2.3717239	20	5 7.9	21.7
466098 2012 CZ_{8}	18.5	X	41.00557	219.73228	329.05540	0.96090	0.1209740	0.26365383	2.4086849	20	5 15.6	20.9
466099 2012 CO_{14}	18.0	X	150.88599	87.31654	337.23808	3.30803	0.2086139	0.26765099	2.3846436	20	4 27.7	21.9
466100 2012 CN_{15}	18.2	X	76.51490	335.22767	195.70072	1.38681	0.1679984	0.26879677	2.3778622	20	6 24.6	21.1
466101 2012 CT_{22}	18.0	X	81.71242	228.13961	231.83193	3.24703	0.1515589	0.25448899	2.4661721	20	3 19.2	20.9
466102 2012 CV_{23}	17.8	X	142.84754	232.59318	205.43564	3.04655	0.1581680	0.26831368	2.3807155	20	5 5.6	21.3
466103 2012 CF_{34}	17.9	X	144.98572	75.44451	334.62219	1.09581	0.1761333	0.26252977	2.4155554	20	4 2.5	21.4
466104 2012 CX_{34}	18.2	X	73.97621	56.68712	138.33927	7.31377	0.1702585	0.27488488	2.3426216	20	7 26.1	21.2
466105 2012 CG_{40}	18.3	X	46.88512	231.90177	334.21020	2.26343	0.1279698	0.26926648	2.3750961	20	6 23.6	20.7
466106 2012 CX_{47}	17.7	X	28.84881	148.71681	81.27863	3.30410	0.1684893	0.26533935	2.3984736	20	7 3.6	19.8
466107 2012 CP_{50}	18.1	X	113.83342	241.36282	220.68759	1.69400	0.1420970	0.26335033	2.4105351	20	5 3.7	21.2
466108 2012 CA_{51}	18.6	X	62.50439	308.15449	218.35451	1.63973	0.1668534	0.26219802	2.4175925	20	5 27.8	21.2
466109 2012 DZ_{8}	18.4	X	35.66035	44.96347	145.81521	2.57102	0.1770205	0.25894732	2.4377833	20	5 17.4	20.5
466110 2012 DR_{14}	18.7	X	46.68725	123.86301	90.72747	4.46643	0.1529997	0.26870254	2.3784181	20	7 10.7	21.0
466111 2012 DL_{20}	18.2	X	154.77193	322.27902	159.56166	5.11277	0.1824982	0.28204443	2.3028078	20	7 14.7	21.9
466112 2012 DB_{29}	18.2	X	54.19625	122.59209	51.21428	3.26760	0.1613700	0.25677912	2.4514869	20	5 23.2	20.6
466113 2012 DN_{35}	18.0	X	86.31124	47.13855	59.83138	3.35226	0.1519185	0.25259127	2.4785090	20	4 7.8	21.0
466114 2012 DN_{38}	17.9	X	194.21740	345.46197	112.23074	6.73715	0.1349087	0.28968268	2.2621481	20	7 23.6	21.1
466115 2012 DE_{50}	18.6	X	75.36282	353.21864	137.99497	1.24727	0.1566012	0.25253898	2.4788511	20	4 25.7	21.4
466116 2012 DR_{51}	17.9	X	21.96659	98.00575	106.19796	2.49250	0.1279657	0.25590261	2.4570815	20	5 5.1	20.2
466117 2012 DX_{66}	17.9	X	106.29690	316.47443	155.22315	7.53048	0.0748347	0.25960941	2.4336368	20	4 30.7	21.2
466118 2012 DS_{67}	18.0	X	133.20368	141.30888	316.05124	3.80805	0.0820710	0.26723828	2.3870981	20	5 11.9	21.2
466119 2012 DY_{67}	17.8	X	155.46941	282.50976	157.69205	8.11403	0.1805284	0.27395207	2.3479364	20	5 23.9	21.6
466120 2012 DG_{82}	18.2	X	88.96460	287.12956	204.63407	8.84080	0.2331109	0.25926328	2.4358023	20	5 27.7	21.5
466121 2012 EJ	18.0	X	346.43808	111.42754	159.37317	3.59310	0.1085361	0.26619036	2.3933589	20	6 7.2	20.3
466122 2012 EY_{6}	17.8	X	32.62463	129.71870	93.94460	1.90019	0.1541685	0.26387247	2.4073542	20	6 28.6	20.1
466123 2012 EM_{7}	17.9	X	14.97141	204.55389	41.37739	1.16062	0.1392530	0.26544464	2.3978393	20	6 26.5	20.0
466124 2012 EZ_{13}	17.7	X	335.71308	148.58269	129.32583	7.24663	0.1169829	0.26026482	2.4295494	20	5 29.1	20.3
466125 2012 EF_{14}	17.4	X	15.99272	342.16600	269.17388	4.76266	0.2386328	0.26438587	2.4042367	20	7 20.3	19.0
466126 2012 EC_{16}	17.6	X	8.07147	70.60098	92.88686	8.00040	0.1667591	0.23907141	2.5710920	20	2 7.9	20.1
466127 2012 FT_{1}	16.6	X	74.37194	24.12049	1.48820	6.56489	0.0278453	0.21528843	2.7571195	20	—	—
466128 2012 FO_{17}	18.0	X	307.96899	68.84620	169.16055	12.91466	0.1822894	0.23768207	2.5811016	20	2 5.8	21.6
466129 2012 FX_{21}	17.1	X	337.24964	132.64393	109.57432	30.39977	0.2483327	0.23746947	2.5826419	20	4 5.5	20.5
466130 2012 FZ_{23}	18.2	X	29.36798	357.83144	179.37015	75.37561	0.6081398	0.25085046	2.4899623	20	7 27.1	22.5
466131 2012 FE_{25}	17.1	X	275.04370	266.43648	356.49507	22.96934	0.1784709	0.23431301	2.6057842	20	2 12.1	21.3
466132 2012 FP_{37}	17.3	X	112.40437	285.34180	96.87122	6.67721	0.0966666	0.22497055	2.6774350	20	1 16.5	20.8
466133 2012 FQ_{44}	16.7	X	308.36826	223.72687	22.10262	33.00869	0.2417368	0.23348574	2.6119357	20	3 2.9	20.9
466134 2012 FQ_{65}	18.3	X	82.84256	34.08716	129.24850	3.58268	0.1127917	0.26313260	2.4118647	20	6 13.8	21.2
466135 2012 FW_{68}	17.4	X	222.09642	178.25221	121.75683	7.52506	0.0955143	0.23024266	2.6364054	20	2 2.3	21.2
466136 2012 FF_{75}	17.9	X	22.59305	107.95641	102.92176	8.72970	0.1850088	0.25557406	2.4591869	20	5 23.5	20.0
466137 2012 GZ_{30}	17.5	X	337.84319	202.04760	16.83060	14.71509	0.2261795	0.23845549	2.5755174	20	2 26.6	20.4
466138 2012 GU_{31}	17.5	X	307.75295	281.62562	359.28190	3.78962	0.2899011	0.23890203	2.5723071	20	3 17.9	20.8
466139 2012 HH_{1}	16.9	X	50.64226	71.72765	71.73108	18.31228	0.1307301	0.23682987	2.5872898	20	4 10.3	20.2
466140 2012 HG_{16}	16.7	X	304.79618	230.78988	43.04272	32.29207	0.3170814	0.23402737	2.6079041	20	3 23.4	20.9
466141 2012 HQ_{18}	16.9	X	236.32509	166.82357	125.42794	12.31533	0.0627405	0.22221457	2.6995271	20	2 10.9	20.9
466142 2012 HG_{19}	16.9	X	71.99634	271.35812	211.43918	27.03521	0.0952403	0.23466404	2.6031849	20	3 27.9	20.4
466143 2012 HD_{27}	17.8	X	12.77880	162.54550	103.96786	5.93059	0.1736014	0.26273773	2.4142807	20	7 30.3	19.7
466144 2012 HU_{29}	17.4	X	79.81738	292.46185	204.85515	14.76835	0.0861752	0.24616752	2.5214414	20	4 30.1	20.6
466145 2012 HM_{34}	17.3	X	294.30803	98.43745	177.26194	13.29511	0.1543267	0.23513313	2.5997215	20	3 14.2	20.6
466146 2012 HU_{38}	15.9	X	260.96973	293.55138	55.66026	28.08903	0.2725369	0.23991720	2.5650458	20	5 1.9	20.0
466147 2012 HA_{44}	17.3	X	308.81797	38.13506	208.64245	9.42111	0.0911005	0.23432044	2.6057292	20	3 2.4	20.7
466148 2012 HZ_{45}	17.3	X	308.82493	98.18813	140.56084	7.20806	0.1512106	0.22933859	2.6433294	20	2 15.8	20.7
466149 2012 HY_{49}	16.7	X	275.85784	136.54525	127.94944	12.54367	0.1056119	0.22412621	2.6841551	20	2 16.4	20.5
466150 2012 HR_{51}	17.2	X	313.74472	35.48120	221.01056	11.62969	0.1452499	0.23626487	2.5914129	20	3 12.8	20.5
466151 2012 HU_{54}	17.3	X	257.73156	240.38361	55.88038	8.87206	0.1384761	0.22737525	2.6585240	20	3 6.5	21.4
466152 2012 HQ_{56}	17.1	X	295.10534	101.07347	205.86913	13.57151	0.2348804	0.24542429	2.5265294	20	4 12.7	20.2
466153 2012 HC_{57}	17.2	X	294.92363	111.22449	146.99127	5.86940	0.2322278	0.23060328	2.6336561	20	2 11.7	20.8
466154 2012 HC_{61}	17.4	X	249.82978	232.96655	63.55758	3.19203	0.1266750	0.22800208	2.6536492	20	2 25.6	21.4
466155 2012 HW_{66}	16.8	X	247.52545	83.52759	221.66325	12.22071	0.1797708	0.22647625	2.6655547	20	2 23.7	21.3
466156 2012 HP_{67}	16.5	X	209.51501	214.65297	79.76298	10.01435	0.1393612	0.21095550	2.7947447	20	1 16.8	21.0
466157 2012 HR_{70}	17.1	X	262.66167	215.87252	62.54064	14.88947	0.1514216	0.22399226	2.6852252	20	2 19.7	21.5
466158 2012 HY_{72}	17.1	X	7.00683	27.62466	149.19848	14.34722	0.1879089	0.23479736	2.6021995	20	2 22.9	19.2
466159 2012 HP_{74}	16.7	X	264.50194	225.39629	56.68181	15.31960	0.1112414	0.22860132	2.6490098	20	3 2.5	20.9
466160 2012 HZ_{77}	17.7	X	338.43362	328.23171	222.98265	0.86897	0.1349481	0.22695927	2.6617715	20	1 29.2	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466161 2012 HR_{79}	17.2	X	323.67317	95.61082	145.27451	13.43837	0.1532779	0.23345397	2.6121727	20	3 12.2	20.3
466162 2012 JO_{3}	17.5	X	253.02017	303.66240	46.80494	11.46144	0.0648885	0.25130337	2.4869698	20	5 12.2	20.6
466163 2012 JB_{7}	16.3	X	28.73908	97.59437	53.08090	13.07578	0.0970287	0.23131914	2.6282197	20	3 8.3	19.5
466164 2012 JW_{7}	16.1	X	241.38960	295.16318	45.58744	14.19291	0.2149011	0.23312654	2.6146179	20	4 7.6	20.4
466165 2012 JH_{10}	17.3	X	6.07053	354.68766	217.09763	4.39222	0.1136749	0.24106198	2.5569186	20	4 14.9	19.9
466166 2012 JS_{16}	17.4	X	265.32153	215.49291	96.08963	7.43755	0.1076120	0.23725250	2.5842162	20	4 5.2	21.1
466167 2012 JC_{20}	17.2	X	322.53060	71.12716	192.77519	11.10744	0.1613645	0.23956622	2.5675505	20	4 7.4	20.1
466168 2012 JU_{20}	17.4	X	305.92765	50.37809	229.44236	6.61642	0.1693721	0.23763793	2.5814212	20	3 31.1	20.8
466169 2012 JJ_{24}	16.4	X	345.31552	57.35273	160.00653	15.77357	0.0880485	0.23436067	2.6054309	20	3 22.9	19.5
466170 2012 JD_{27}	17.1	X	307.52039	111.34044	118.64825	8.14530	0.1035546	0.22548341	2.6733736	20	2 11.4	20.5
466171 2012 JQ_{27}	17.0	X	223.60478	202.25570	90.14179	5.23080	0.0362531	0.21496695	2.7598676	20	1 30.1	21.0
466172 2012 JR_{28}	17.0	X	225.40907	263.90337	39.68494	8.91079	0.0805502	0.22173901	2.7033855	20	2 15.2	21.1
466173 2012 JG_{39}	17.6	X	266.79912	143.39338	161.78137	3.96369	0.1856197	0.23268450	2.6179283	20	3 17.3	21.5
466174 2012 JA_{40}	17.0	X	166.16890	192.97197	162.76156	5.42009	0.1677809	0.21565309	2.7540105	20	2 18.5	21.5
466175 2012 JP_{41}	16.5	X	166.99314	289.87197	51.45972	9.67620	0.1667313	0.20961901	2.8066113	20	2 6.8	21.2
466176 2012 JG_{57}	17.2	X	312.82563	176.67906	94.48725	8.94528	0.2020711	0.23656168	2.5892448	20	3 31.6	20.5
466177 2012 JS_{60}	17.6	X	45.00246	72.46993	78.57894	8.23954	0.1978269	0.24342489	2.5403451	20	4 12.5	20.1
466178 2012 KA_{5}	16.1	X	188.31253	253.57649	87.33856	8.70592	0.1522287	0.21566249	2.7539305	20	2 23.7	20.6
466179 2012 KX_{9}	17.4	X	264.61745	86.95126	189.79081	11.77779	0.1159637	0.22239259	2.6980863	20	2 14.1	21.5
466180 2012 KY_{9}	17.4	X	26.88560	350.82906	188.67074	4.04706	0.1041105	0.24069224	2.5595365	20	4 6.3	20.1
466181 2012 KQ_{14}	17.6	X	23.49105	12.96772	156.15465	7.20473	0.1113474	0.23845814	2.5754984	20	3 17.7	20.3
466182 2012 KF_{16}	17.1	X	296.95280	202.58140	77.87309	14.43211	0.2209183	0.23214895	2.6219530	20	3 23.1	21.0
466183 2012 KK_{16}	17.5	X	245.08810	134.65823	160.04701	3.28251	0.1828211	0.21847774	2.7302217	20	2 13.8	21.8
466184 2012 KB_{18}	17.0	X	319.97546	132.98871	120.67986	11.37014	0.1436457	0.23332115	2.6131639	20	3 28.4	20.3
466185 2012 KH_{19}	17.4	X	263.93400	186.83320	139.60567	3.04741	0.2278570	0.23781034	2.5801734	20	4 5.9	21.3
466186 2012 KC_{28}	16.9	X	210.86516	121.81906	188.77587	4.59165	0.1010616	0.21444622	2.7643336	20	2 3.9	21.2
466187 2012 KK_{28}	16.9	X	243.56258	246.75534	48.88705	17.90405	0.0893335	0.22830551	2.6512974	20	2 29.3	21.2
466188 2012 KQ_{28}	17.6	X	90.38578	279.16013	200.41522	11.43124	0.1420279	0.24407326	2.5358442	20	4 29.6	20.9
466189 2012 KS_{28}	17.4	X	285.51885	116.16118	180.33122	5.27275	0.2267549	0.23524871	2.5988700	20	3 20.7	21.2
466190 2012 KZ_{28}	16.5	X	114.37331	17.60518	53.18924	14.79356	0.0811960	0.23537855	2.5979141	20	3 25.1	20.3
466191 2012 KL_{45}	18.8	X	224.19446	203.04270	100.62021	25.11758	0.3565129	0.44956652	1.6876151	20	1 15.7	21.5
466192 2012 KG_{46}	16.7	X	316.24364	34.90556	244.60352	10.57421	0.1922541	0.23988905	2.5652465	20	4 10.3	19.9
466193 2012 KM_{46}	17.1	X	312.47629	217.83336	86.42778	14.04234	0.2681480	0.24171326	2.5523236	20	5 5.4	20.1
466194 2012 KC_{47}	16.8	X	252.13373	99.08854	229.48329	11.70319	0.2861168	0.22693105	2.6619921	20	3 19.6	21.6
466195 2012 KR_{49}	17.1	X	356.40776	96.99309	142.41223	5.40798	0.1549341	0.24258483	2.5462065	20	5 9.1	19.6
466196 2012 KD_{51}	17.1	X	242.58558	167.29019	127.19016	13.60179	0.2514285	0.21867743	2.7285594	20	2 8.6	21.8
466197 2012 LL_{8}	16.9	X	324.16295	63.53136	107.63293	26.67261	0.0999901	0.21185430	2.7868346	20	—	—
466198 2012 LB_{10}	16.7	X	228.17107	181.85096	107.68780	6.92255	0.0833469	0.21299042	2.7769155	20	1 29.6	20.9
466199 2012 LC_{14}	17.2	X	282.07534	78.54416	229.06328	11.97031	0.2850808	0.23166909	2.6255723	20	3 20.1	21.5
466200 2012 LZ_{15}	17.3	X	337.95602	138.41177	90.35184	6.60213	0.0776000	0.23316868	2.6143029	20	3 29.9	20.5
466201 2012 LQ_{26}	17.1	X	329.90826	188.65958	127.38754	15.14563	0.1544227	0.25697812	2.4502212	20	7 11.5	19.3
466202 2012 MW	16.8	X	307.96106	0.10921	241.75599	13.45726	0.2061959	0.22780316	2.6551938	20	2 4.8	20.7
466203 2012 PE_{3}	16.7	X	218.28968	115.24732	166.53082	14.89595	0.2011108	0.18905550	3.0066059	20	1 9.8	22.1
466204 2012 PW_{8}	16.5	X	135.94404	106.06893	267.26749	8.43990	0.0917396	0.18715498	3.0269259	20	2 3.9	21.0
466205 2012 PH_{18}	15.4	X	162.18036	304.18912	353.80966	26.03606	0.1781573	0.17327018	3.1865457	20	—	—
466206 2012 QM_{21}	16.9	X	179.27136	148.25561	197.38720	8.92392	0.0764747	0.19030023	2.9934810	20	2 15.0	21.5
466207 2012 QL_{30}	16.6	X	134.75038	122.43461	217.16989	8.95677	0.0906983	0.17269216	3.1936523	20	—	—
466208 2012 QP_{33}	16.2	X	173.83607	353.72059	321.37641	8.89684	0.0949823	0.17724295	3.1387501	20	1 11.2	21.1
466209 2012 QF_{36}	13.6	X	253.16381	352.39085	343.04174	16.03490	0.1077920	0.08291141	5.2086662	20	4 17.9	20.9
466210 2012 QL_{46}	16.6	X	189.74793	134.65162	181.01565	11.79710	0.0724151	0.19048590	2.9915355	20	1 21.8	21.4
466211 2012 RD_{26}	16.3	X	150.26839	120.19732	187.81209	16.82895	0.2050162	0.17219377	3.1998117	20	—	—
466212 2012 RU_{26}	17.2	X	263.20664	129.07873	177.71693	5.97975	0.3008333	0.21374404	2.7703844	20	3 5.5	21.8
466213 2012 RJ_{43}	16.0	X	113.58709	160.44321	205.90375	14.17802	0.2243073	0.17286606	3.1915101	20	1 19.9	21.0
466214 2012 SZ_{1}	16.6	X	189.12232	153.54774	202.46011	15.80165	0.2893527	0.18914026	3.0057076	20	3 10.3	22.3
466215 2012 SV_{36}	16.2	X	136.68630	158.55475	181.85741	6.26659	0.1436356	0.17180701	3.2046121	20	1 6.9	21.1
466216 2012 SF_{42}	19.0	X	321.17878	76.74417	353.96171	18.81979	0.1318025	0.39063408	1.8533437	20	—	—
466217 2012 SP_{56}	18.6	X	14.98285	29.19002	12.67989	20.44020	0.1304232	0.40138631	1.8200962	20	—	—
466218 2012 SF_{62}	15.7	X	170.63765	311.83271	10.89208	16.41356	0.1926551	0.17675614	3.1445105	20	1 26.2	21.2
466219 2012 TA_{1}	16.2	X	118.97226	208.91657	187.00670	9.24043	0.0822340	0.17982438	3.1086394	20	2 12.2	20.7
466220 2012 TO_{5}	16.5	X	311.61309	242.11934	60.49369	14.75162	0.4205046	0.22691567	2.6621124	20	4 8.1	20.1
466221 2012 TW_{29}	16.7	X	181.30634	308.56185	7.25285	3.38915	0.1602670	0.17796665	3.1302351	20	1 21.2	21.9
466222 2012 TH_{33}	16.5	X	185.07500	113.17703	207.13032	10.24882	0.2605653	0.18398308	3.0616165	20	1 27.8	22.1
466223 2012 TJ_{55}	18.5	X	279.09848	251.34109	202.25545	18.81142	0.0719490	0.38058774	1.8858169	20	12 20.3	20.4
466224 2012 TZ_{100}	16.2	X	156.47868	121.65305	216.97271	26.01066	0.2504933	0.17482102	3.1676725	20	1 23.9	22.0
466225 2012 TH_{121}	16.3	X	227.12334	270.81982	5.87081	13.38671	0.1621785	0.17970690	3.1099940	20	1 17.5	21.6
466226 2012 TY_{138}	16.3	X	173.97700	202.88665	121.14630	4.32502	0.1981696	0.17945453	3.1129091	20	1 25.0	21.4
466227 2012 TK_{175}	16.4	X	183.02547	138.09745	195.12611	10.50194	0.0738875	0.18323902	3.0698989	20	2 4.7	21.2
466228 2012 TD_{211}	16.4	X	226.89529	58.89068	208.27542	18.31958	0.1360620	0.17534323	3.1613801	20	1 2.0	21.8
466229 2012 TP_{218}	16.8	X	146.81340	132.89927	197.56302	13.74143	0.2848110	0.17288048	3.1913326	20	1 14.7	22.4
466230 2012 TS_{233}	16.0	X	165.83199	299.90227	10.26892	12.65948	0.1170772	0.17154847	3.2078310	20	—	—
466231 2012 TU_{300}	15.5	X	110.77010	92.34649	288.72313	11.37695	0.1127944	0.17438222	3.1729843	20	1 22.1	19.9
466232 2012 TB_{312}	16.2	X	170.57606	130.29619	196.54542	16.35320	0.2472213	0.17555763	3.1588057	20	1 24.6	21.9
466233 2012 UM_{84}	15.4	X	165.27697	353.81560	348.55774	18.44343	0.0793322	0.18034185	3.1026899	20	2 6.4	20.3
466234 2012 UR_{131}	15.3	X	177.80405	240.46452	32.39470	17.48241	0.2885445	0.16436426	3.3006372	20	—	—
466235 2012 VG_{50}	16.4	X	187.24126	179.35074	128.58772	3.38734	0.1445814	0.17226403	3.1989417	20	1 16.6	21.5
466236 2013 AH_{1}	17.8	X	310.35813	358.11516	98.51334	25.56625	0.1146917	0.37535868	1.9032905	20	—	—
466237 2013 AB_{54}	17.6	X	46.02818	8.72570	309.91713	15.56846	0.0763306	0.35682100	1.9686527	20	12 15.2	20.1
466238 2013 AD_{131}	14.2	X	248.49274	332.39778	126.02145	10.08012	0.0708430	0.08227671	5.2354190	20	9 12.8	21.2
466239 2013 BU_{16}	14.5	X	343.08297	180.35965	172.84959	7.78717	0.0158484	0.08292229	5.2082105	20	9 6.2	21.4
466240 2013 BJ_{39}	13.9	X	210.47379	2.96591	135.82960	18.29438	0.0551115	0.08181103	5.2552674	20	9 21.0	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466241 2013 CG_1	17.5	X	214.48517	67.07167	86.35345	24.07656	0.0936468	0.35473461	1.9763643	20	11 26.9	19.8
466242 2013 CN_{75}	17.8	X	162.12078	99.97936	163.59403	22.28222	0.0639896	0.37212338	1.9143062	20	—	—
466243 2013 CN_{82}	18.3	X	88.06510	199.88624	155.80088	23.33414	0.0672504	0.38690695	1.8652270	20	—	—
466244 2013 CY_{102}	14.1	X	340.25957	272.06823	107.52474	10.14307	0.0428644	0.08196809	5.2485519	20	10 6.8	20.9
466245 2013 CF_{104}	14.1	X	303.50269	309.11241	107.04195	8.59893	0.1105630	0.08472938	5.1338917	20	9 25.8	20.7
466246 2013 CK_{174}	18.2	X	312.02979	259.65825	159.40338	23.36509	0.1405146	0.35710946	1.9675925	20	12 27.5	20.2
466247 2013 CT_{212}	13.6	X	305.78209	250.55252	167.62225	21.79897	0.0975463	0.08167181	5.2612376	20	9 30.0	20.2
466248 2013 DW_{11}	18.9	X	63.06413	209.34330	165.39127	23.03525	0.1022277	0.38387357	1.8750402	20	—	—
466249 2013 EO	17.7	X	66.31906	211.20726	152.18405	22.74552	0.0880894	0.36983771	1.9221853	20	—	—
466250 2013 FE_8	17.7	X	50.13183	164.34845	203.61257	24.43009	0.0308091	0.36619205	1.9349219	20	—	—
466251 2013 GX_{59}	17.8	X	352.08274	303.71703	17.15352	6.01897	0.1671993	0.31395266	2.1440090	20	9 24.3	19.1
466252 2013 GA_{72}	17.1	X	246.19736	21.47265	259.96099	6.12287	0.1319514	0.25200865	2.4823275	20	1 28.2	21.0
466253 2013 GG_{126}	18.4	X	64.86318	73.18898	172.91900	4.39729	0.1336642	0.30819211	2.1706428	20	9 24.4	21.0
466254 2013 HZ_{28}	16.9	X	216.64590	70.69871	256.73813	10.51716	0.2118946	0.23209904	2.6223289	20	2 21.8	21.5
466255 2013 HL_{29}	18.0	X	71.67370	128.23036	221.13597	19.39931	0.0919097	0.35786344	1.9648278	20	—	—
466256 2013 JY_{16}	17.2	X	279.72041	50.44451	259.92406	11.95608	0.1894342	0.27049297	2.3679111	20	3 28.7	20.8
466257 2013 JX_{30}	17.1	X	290.83848	215.52952	113.27332	9.44962	0.2507680	0.27639517	2.3340800	20	5 7.5	20.1
466258 2013 JJ_{42}	18.2	X	33.34725	146.94700	123.25442	4.05834	0.1616435	0.30287247	2.1959857	20	9 19.7	20.3
466259 2013 JA_{48}	18.3	X	9.91753	128.10685	153.98885	5.77553	0.1926949	0.29530347	2.2333512	20	8 26.9	19.9
466260 2013 JJ_{48}	17.9	X	216.77290	293.02851	78.91806	7.81540	0.1283040	0.27377379	2.3489556	20	4 25.4	21.4
466261 2013 KX_6	17.9	X	14.52653	237.27760	68.02153	3.57730	0.1466924	0.30590497	2.1814488	20	10 9.6	19.8
466262 2013 KG_{14}	17.8	X	338.07547	207.87234	101.54225	6.09652	0.1858252	0.29099586	2.2553373	20	7 22.6	19.0
466263 2013 KB_{18}	17.3	X	3.79337	217.60722	87.66492	9.24920	0.2322523	0.29796732	2.2200204	20	10 6.6	19.1
466264 2013 LN	17.9	X	307.61453	84.97426	244.18106	4.96670	0.1938284	0.28659432	2.2783704	20	6 11.2	19.7
466265 2013 LR_2	18.1	X	337.45397	55.58506	241.68317	6.02842	0.2317408	0.28519412	2.2858216	20	6 21.8	19.2
466266 2013 LM_4	17.7	X	351.83803	241.15331	77.71499	6.45356	0.1978164	0.30084899	2.2058214	20	9 24.4	19.2
466267 2013 LN_{30}	16.6	X	198.62073	64.27718	252.23404	11.97532	0.1714068	0.21994265	2.7180853	20	1 27.8	21.3
466268 2013 MQ_3	18.7	X	6.57810	113.19823	199.76796	4.01340	0.2854527	0.28993425	2.2608394	20	10 27.1	20.5
466269 2013 MC_5	18.3	X	17.90380	160.59575	169.15584	5.11664	0.2049413	0.29919287	2.2139538	20	11 28.4	20.7
466270 2013 MD_{10}	18.0	X	326.09881	220.75996	72.02230	2.24109	0.1854271	0.27311156	2.3527511	20	5 22.3	19.7
466271 2013 NK_5	15.6	X	172.29523	268.48888	294.59891	10.76437	0.1239709	0.18050591	3.1008096	20	10 28.1	20.7
466272 2013 NC_9	17.7	X	90.08579	266.48051	288.01801	5.74509	0.1154256	0.28924787	2.2644146	20	8 7.6	20.7
466273 2013 NR_{19}	18.4	X	72.87619	141.49747	130.56212	6.20197	0.2013115	0.30890818	2.1672871	20	11 17.5	21.6
466274 2013 OL_4	16.0	X	11.58026	275.78350	111.20270	10.39471	0.0462958	0.18198902	3.0839401	20	12 10.6	20.2
466275 2013 OF_7	17.7	X	223.12940	127.69794	171.14894	14.62993	0.1193918	0.22596259	2.6695928	20	1 30.3	22.1
466276 2013 OD_8	16.2	X	37.28540	224.46940	158.25462	10.96370	0.2245386	0.17610797	3.1522214	20	—	—
466277 2013 PH	17.5	X	8.41490	39.86791	274.91541	9.57962	0.2669294	0.28839710	2.2688657	20	10 24.6	19.7
466278 2013 PT	17.4	X	142.90184	146.94627	232.22611	7.02975	0.0362690	0.22148381	2.7054617	20	2 7.9	21.3
466279 2013 PB_4	15.8	X	35.95669	119.08728	276.65407	25.29080	0.3203802	0.17584912	3.1553140	20	—	—
466280 2013 PN_5	16.9	X	136.40195	10.36690	326.74218	11.14479	0.0501437	0.19874743	2.9080489	20	—	—
466281 2013 PQ_{12}	18.0	X	350.90606	156.12814	176.25016	6.12391	0.2071430	0.28772450	2.2724002	20	10 9.6	19.4
466282 2013 PP_{16}	18.0	X	321.40506	350.59174	299.18713	2.39980	0.1557388	0.26029301	2.4293740	20	5 12.1	20.3
466283 2013 PJ_{17}	17.0	X	187.04039	3.74024	318.61365	8.72709	0.1349633	0.21768861	2.7368159	20	1 28.4	21.3
466284 2013 PF_{18}	16.9	X	168.45070	245.84383	142.93870	12.70471	0.1160945	0.23624798	2.5915364	20	3 31.8	21.0
466285 2013 PC_{26}	17.2	X	267.91950	132.16657	206.19224	4.31917	0.2297141	0.25542681	2.4601319	20	4 23.1	20.6
466286 2013 PB_{29}	17.8	X	280.77114	86.02779	228.11523	0.63853	0.1949227	0.25577740	2.4578834	20	4 9.8	21.3
466287 2013 PH_{31}	18.0	X	30.69089	42.06321	246.50580	5.22616	0.2110308	0.29204003	2.2499582	20	10 15.6	20.5
466288 2013 PL_{31}	17.8	X	337.66489	190.79220	96.05396	2.07386	0.1327746	0.26554875	2.3972125	20	6 13.0	19.8
466289 2013 PX_{47}	18.7	X	13.10444	65.07951	203.24246	1.55466	0.1962266	0.27622897	2.3350162	20	8 6.8	20.5
466290 2013 PS_{48}	15.8	X	262.96596	218.47252	287.97920	9.29895	0.0554120	0.17873564	3.1212504	20	12 9.9	20.1
466291 2013 PK_{49}	18.2	X	336.19908	120.44304	176.33379	6.57055	0.1366759	0.27054956	2.3675809	20	6 25.8	20.4
466292 2013 PB_{53}	17.6	X	61.44173	18.33664	217.45226	6.98695	0.0754368	0.28027304	2.3125005	20	8 18.8	20.6
466293 2013 PT_{63}	17.7	X	3.31415	331.39475	289.18616	6.04396	0.2359535	0.27598345	2.3364009	20	7 2.9	18.7
466294 2013 PC_{65}	17.9	X	238.49791	123.09442	188.50842	6.39628	0.1062489	0.23832559	2.5764532	20	3 1.3	21.9
466295 2013 PW_{68}	17.6	X	353.89087	355.92704	286.66400	5.69298	0.1486864	0.27389586	2.3482576	20	7 12.1	19.3
466296 2013 PC_{71}	17.7	X	256.95533	35.66169	321.28670	5.57160	0.1201422	0.25978521	2.4325387	20	5 17.2	21.1
466297 2013 QR	18.0	X	30.45550	92.76140	190.31708	6.38476	0.1140654	0.28939467	2.2636487	20	9 20.9	20.3
466298 2013 QY_{10}	16.3	X	128.36825	318.71082	61.86195	8.84670	0.3374220	0.20475560	2.8508795	20	3 5.5	21.2
466299 2013 QN_{14}	17.4	X	172.21303	21.95584	334.51492	5.41261	0.0612478	0.21951352	2.7216266	20	2 19.3	21.4
466300 2013 QK_{18}	18.2	X	16.93621	156.41291	147.78205	5.08804	0.2006604	0.29092872	2.2556843	20	10 18.7	20.4
466301 2013 QC_{28}	17.8	X	43.12493	97.93579	156.95904	6.53666	0.1082120	0.28107252	2.3081133	20	8 28.2	20.4
466302 2013 QR_{34}	17.5	X	327.72632	211.68728	98.61766	7.68785	0.2042912	0.27416402	2.3467261	20	6 22.2	19.0
466303 2013 QX_{34}	17.7	X	305.35820	191.77342	126.55914	3.47861	0.2228788	0.26597556	2.3946473	20	5 16.8	20.2
466304 2013 QC_{39}	18.8	X	6.93023	71.46199	206.44805	2.97014	0.2368096	0.27953833	2.3165507	20	8 14.7	20.3
466305 2013 QF_{39}	17.3	X	157.45134	185.41272	176.63349	9.71231	0.1569499	0.21794346	2.7346820	20	2 15.9	21.7
466306 2013 QC_{43}	17.3	X	120.15092	58.52482	337.92036	6.33131	0.0179304	0.21695596	2.7429738	20	2 3.8	20.9
466307 2013 QY_{43}	17.6	X	249.87608	36.04130	276.82199	4.00444	0.0679821	0.23979707	2.5659024	20	3 17.8	21.3
466308 2013 QR_{47}	17.7	X	324.29045	63.15238	246.15263	4.71153	0.1985126	0.26720081	2.3873213	20	6 12.6	19.5
466309 2013 QX_{47}	16.9	X	202.69038	162.48053	192.42252	14.69313	0.2413060	0.22873317	2.6479917	20	3 17.9	21.6
466310 2013 QG_{48}	16.8	X	245.37357	329.71099	354.69571	16.33596	0.2404190	0.23832514	2.5764565	20	3 15.4	21.0
466311 2013 QQ_{58}	16.4	X	97.32628	289.85133	79.86982	4.23705	0.0799377	0.19587160	2.9364441	20	—	—
466312 2013 QJ_{64}	17.6	X	293.78226	349.36962	324.04952	7.33740	0.2191333	0.26216591	2.4177899	20	4 17.7	20.9
466313 2013 QK_{64}	17.2	X	226.17162	352.81401	312.86817	11.66789	0.1247715	0.23170390	2.6253094	20	2 10.7	21.4
466314 2013 QV_{64}	16.2	X	95.17251	327.71591	30.43969	9.82552	0.0831172	0.18818952	3.0158224	20	—	—
466315 2013 QE_{65}	16.4	X	167.79780	188.83743	141.58854	13.80917	0.1775057	0.21054484	2.7983776	20	1 22.2	20.9
466316 2013 QC_{68}	18.0	X	338.87740	299.50778	335.15527	1.68611	0.1991345	0.26611040	2.3938383	20	5 18.5	19.9
466317 2013 QH_{70}	16.0	X	71.98602	57.83020	307.85785	22.24455	0.2126960	0.17954638	3.1118473	20	—	—
466318 2013 QT_{70}	17.9	X	5.16346	279.20326	356.64600	4.39909	0.1327730	0.27558050	2.3386778	20	7 26.8	20.0
466319 2013 QJ_{74}	17.6	X	270.68250	37.71340	290.60666	4.87192	0.2058284	0.25655892	2.4528894	20	4 13.1	21.2
466320 2013 QO_{78}	17.3	X	309.62744	217.12692	85.54193	3.84761	0.2619341	0.26415660	2.4056277	20	4 24.0	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466321 2013 QB_{79}	16.9	X	181.07660	16.87096	332.34937	13.05758	0.2203397	0.22274509	2.6952390	20	2 24.9	21.5
466322 2013 QQ_{80}	16.6	X	169.58318	37.66279	339.79929	10.85241	0.1742242	0.22443012	2.6817315	20	3 16.4	21.0
466323 2013 QD_{82}	18.1	X	325.91677	70.41625	251.45497	0.67035	0.2048144	0.27713989	2.3298968	20	7 8.2	19.8
466324 2013 QQ_{82}	17.1	X	248.91418	14.31677	293.29543	4.78670	0.2904645	0.23843709	2.5756500	20	2 22.6	21.6
466325 2013 RR_{1}	17.6	X	188.88195	145.80029	180.68436	4.87363	0.1626117	0.21702048	2.7424301	20	2 2.9	22.1
466326 2013 RG_{8}	17.1	X	133.81483	74.75163	319.10926	5.13824	0.0517521	0.21757760	2.7377467	20	2 20.1	21.0
466327 2013 RR_{8}	17.3	X	104.17463	166.95349	223.60921	1.13064	0.0758472	0.20357090	2.8619294	20	1 16.5	21.1
466328 2013 RE_{16}	17.5	X	89.97370	285.77942	182.82417	3.83778	0.0479052	0.22972119	2.6403937	20	3 30.6	21.0
466329 2013 RB_{18}	16.9	X	198.75041	167.02787	183.11643	15.14147	0.1925833	0.22711114	2.6605847	20	3 9.6	21.5
466330 2013 RC_{19}	17.3	X	242.85525	97.10221	232.09904	7.59657	0.1780995	0.24034312	2.5620145	20	3 20.5	21.5
466331 2013 RG_{22}	16.5	X	79.17639	26.44143	353.93281	15.33497	0.2135890	0.18518767	3.0483254	20	—	—
466332 2013 RZ_{24}	17.1	X	72.55750	51.46491	12.25632	1.95462	0.0571936	0.20141005	2.8823627	20	1 14.9	20.8
466333 2013 RR_{25}	16.5	X	148.88422	23.98751	352.26035	9.11772	0.1400974	0.21080021	2.7961171	20	2 27.1	20.8
466334 2013 RJ_{26}	17.1	X	231.69599	138.49703	194.82812	13.39450	0.2411210	0.23518563	2.5993347	20	3 13.5	21.6
466335 2013 RF_{27}	16.3	X	358.13153	22.43247	101.24861	10.71244	0.0209658	0.20386846	2.8591440	20	—	—
466336 2013 RK_{28}	16.9	X	124.05786	330.16209	57.69904	2.67202	0.0879180	0.20303490	2.8669641	20	2 9.3	21.0
466337 2013 RU_{28}	16.8	X	69.33670	17.15203	18.01157	6.45759	0.1620282	0.18216834	3.0819159	20	—	—
466338 2013 RD_{29}	17.7	X	277.33695	283.50490	16.40747	11.46030	0.2010686	0.24021237	2.5629441	20	3 21.2	21.5
466339 2013 RS_{30}	16.4	X	173.99423	358.16502	355.02034	5.49598	0.0702959	0.21442874	2.7644838	20	2 19.4	20.5
466340 2013 RN_{32}	18.0	X	297.93015	215.68591	115.75093	2.50198	0.2046846	0.26297362	2.4128367	20	5 26.7	20.7
466341 2013 RG_{33}	17.4	X	280.11202	247.37719	100.47255	2.46415	0.2013363	0.25942905	2.4347646	20	5 24.5	20.4
466342 2013 RQ_{36}	16.7	X	34.46365	287.47021	120.48305	0.07779	0.2119913	0.17374417	3.1807477	20	—	—
466343 2013 RL_{37}	16.5	X	118.11823	344.14093	4.67878	12.79690	0.1281730	0.19087194	2.9875005	20	—	—
466344 2013 RT_{40}	16.5	X	214.80168	321.47960	6.46369	12.08024	0.2055348	0.22598775	2.6693946	20	2 29.9	21.1
466345 2013 RM_{45}	16.0	X	89.97867	82.56438	277.25594	9.13830	0.0944756	0.18220487	3.0815039	20	—	—
466346 2013 RW_{48}	17.0	X	217.26091	134.42623	181.93125	6.33866	0.1534404	0.22446313	2.6814685	20	2 14.7	21.4
466347 2013 RS_{49}	16.9	X	98.54153	162.66706	262.03621	4.79598	0.0585044	0.21254269	2.7808140	20	2 15.3	20.7
466348 2013 RA_{51}	16.7	X	243.39226	272.80355	349.74883	11.75460	0.0543807	0.20928022	2.8096395	20	1 17.9	20.9
466349 2013 RP_{52}	17.6	X	328.25436	105.45675	115.35884	4.00092	0.0559890	0.23136898	2.6278423	20	3 5.3	20.8
466350 2013 RS_{54}	16.3	X	53.20156	207.26425	221.93674	10.41197	0.0846859	0.19580349	2.9371250	20	—	—
466351 2013 RT_{55}	16.4	X	67.04121	147.66360	246.91242	9.26894	0.1122413	0.18858950	3.0115567	20	—	—
466352 2013 RF_{57}	17.7	X	236.33253	114.07723	212.32028	4.05518	0.1981877	0.23601645	2.5932310	20	3 11.7	22.1
466353 2013 RE_{58}	17.8	X	248.31496	143.18557	198.64430	9.28639	0.1128210	0.24439895	2.5335909	20	4 20.5	21.5
466354 2013 RT_{58}	16.5	X	33.39885	253.36858	197.24910	10.86163	0.0806039	0.19570271	2.9381332	20	—	—
466355 2013 RY_{58}	17.8	X	330.39418	76.77778	212.88849	4.45071	0.2182777	0.26388170	2.4072981	20	5 22.1	19.5
466356 2013 RO_{60}	15.8	X	66.03895	49.53745	321.62924	15.87127	0.2222323	0.17729317	3.1381574	20	—	—
466357 2013 RQ_{60}	16.7	X	202.24735	2.20076	14.37040	12.44942	0.1686747	0.23222060	2.6214137	20	4 13.3	20.9
466358 2013 RV_{60}	16.7	X	279.08927	22.79388	274.89649	7.84749	0.0857128	0.23775256	2.5805914	20	3 29.5	20.4
466359 2013 RX_{61}	17.4	X	162.21514	4.41793	343.47923	2.42580	0.0342759	0.21105860	2.7938345	20	1 27.7	21.3
466360 2013 RG_{62}	17.8	X	341.02712	333.14557	295.68077	0.83506	0.1503382	0.25917863	2.4363327	20	5 19.9	20.1
466361 2013 RZ_{62}	17.0	X	108.36801	211.65882	175.24997	2.05682	0.0775433	0.20351283	2.8624738	20	1 17.4	20.9
466362 2013 RH_{63}	16.6	X	48.32219	42.84196	355.18249	7.84679	0.1106039	0.18206773	3.0830511	20	—	—
466363 2013 RL_{71}	15.8	X	82.23358	328.86115	9.81457	17.78837	0.1109642	0.17270797	3.1934575	20	—	—
466364 2013 RU_{74}	16.4	X	71.12211	254.79150	198.86973	13.48004	0.0814656	0.20986600	2.8044089	20	2 17.1	20.2
466365 2013 RD_{78}	16.6	X	313.75133	127.20945	353.87925	10.53740	0.0766624	0.17787661	3.1312914	20	—	—
466366 2013 RM_{81}	18.1	X	11.52873	293.26581	341.14502	2.06825	0.2204517	0.27536270	2.3399108	20	8 18.6	19.8
466367 2013 RN_{82}	16.3	X	112.40537	146.73414	206.31066	8.70740	0.1191626	0.18652363	3.0337525	20	—	—
466368 2013 RT_{85}	16.5	X	64.92439	36.66600	357.36098	16.72856	0.1525092	0.18018961	3.1044372	20	—	—
466369 2013 RO_{86}	17.2	X	193.27638	161.86791	193.53295	16.42904	0.2752339	0.22370304	2.6875391	20	3 11.3	22.2
466370 2013 RC_{88}	16.0	X	344.03820	274.84685	204.52917	13.01737	0.1039286	0.18119168	3.0929807	20	—	—
466371 2013 RJ_{88}	16.9	X	273.88884	60.27673	202.35661	12.84422	0.0873218	0.22016228	2.7162773	20	2 9.5	21.1
466372 2013 RA_{89}	16.8	X	96.32582	33.37127	350.36177	11.22813	0.0979107	0.19143012	2.9816903	20	1 5.6	21.0
466373 2013 RY_{89}	15.8	X	303.63075	159.07272	349.09038	10.10334	0.0903061	0.17860078	3.1228214	20	—	—
466374 2013 RY_{90}	15.7	X	27.27280	219.04969	205.69924	10.28768	0.0917801	0.17827497	3.1266251	20	—	—
466375 2013 RB_{93}	17.0	X	280.42171	97.18795	195.35705	13.90626	0.1548378	0.23606345	2.5928868	20	3 17.6	20.7
466376 2013 RN_{93}	17.0	X	101.75500	23.26854	358.79259	10.35991	0.1047136	0.19277399	2.9678168	20	1 11.5	21.2
466377 2013 RQ_{96}	17.5	X	241.98751	53.79879	262.98941	5.86724	0.1248417	0.23450126	2.6043895	20	3 8.5	21.6
466378 2013 SS_{8}	16.0	X	39.06459	45.95660	2.37508	16.44879	0.2167987	0.17532343	3.1616181	20	—	—
466379 2013 SY_{14}	17.5	X	309.25609	309.76620	9.45030	11.81916	0.2008155	0.26154560	2.4216113	20	5 24.1	20.2
466380 2013 SU_{15}	18.2	X	357.53903	110.10733	180.10866	2.41717	0.1676091	0.26995132	2.3710775	20	8 2.7	20.0
466381 2013 SP_{16}	17.9	X	279.71088	137.31706	186.14345	12.14759	0.2093408	0.25243905	2.4795052	20	4 21.0	21.3
466382 2013 SO_{21}	17.2	X	103.87398	289.63003	111.00940	2.66098	0.0484753	0.20085406	2.8876793	20	1 25.6	21.1
466383 2013 SX_{26}	16.1	X	302.83094	115.45303	40.94179	10.43307	0.0409524	0.18138662	3.0907643	20	—	—
466384 2013 SQ_{33}	16.4	X	250.26177	163.18808	154.62194	16.40529	0.2053987	0.23744834	2.5827951	20	3 16.2	20.5
466385 2013 SK_{34}	16.1	X	73.02189	346.18281	5.15905	9.13614	0.0671997	0.17491926	3.1664864	20	—	—
466386 2013 SX_{38}	16.5	X	69.11422	355.88198	15.65779	18.37890	0.0775786	0.17745420	3.1362586	20	—	—
466387 2013 SD_{42}	15.9	X	20.81541	274.96111	150.36390	11.15620	0.1022236	0.17705584	3.1409610	20	—	—
466388 2013 SO_{42}	16.5	X	204.44271	330.84433	27.24299	14.18211	0.3248153	0.23070051	2.6329160	20	3 26.8	21.5
466389 2013 SH_{43}	16.2	X	109.69438	314.08083	73.13262	10.25544	0.0481826	0.19935708	2.9021172	20	1 17.4	20.3
466390 2013 SQ_{45}	16.4	X	115.44359	297.28565	24.86789	10.70516	0.0613592	0.17896366	3.1185986	20	—	—
466391 2013 SV_{45}	16.5	X	83.90634	115.79207	284.06194	7.66105	0.1192279	0.19993219	2.8965492	20	1 8.2	20.2
466392 2013 SK_{46}	17.1	X	8.08258	72.19932	8.64487	9.05618	0.0251626	0.18273774	3.0755106	20	—	—
466393 2013 SF_{47}	17.5	X	227.50673	246.05878	78.79105	0.63110	0.2055055	0.23154309	2.6265248	20	3 3.9	21.7
466394 2013 SO_{47}	17.4	X	293.86827	247.71139	1.57074	12.74578	0.1502422	0.22945777	2.6424140	20	2 15.0	21.2
466395 2013 SC_{51}	16.6	X	174.19585	290.50816	24.31893	15.37386	0.2804739	0.20395350	2.8583491	20	1 19.6	21.9
466396 2013 SL_{51}	16.5	X	110.52102	269.37640	105.49265	4.12204	0.1915685	0.19105189	2.9856243	20	1 23.7	20.6
466397 2013 SS_{56}	16.8	X	160.42511	287.82507	85.37202	4.42609	0.1026821	0.21479764	2.7613177	20	3 3.4	20.9
466398 2013 SL_{61}	17.1	X	153.68502	19.48398	330.85073	5.62522	0.0221162	0.20831179	2.8183406	20	1 20.2	21.1
466399 2013 SQ_{61}	18.2	X	309.42094	35.83989	254.43389	0.87645	0.1789856	0.25447313	2.4662746	20	4 18.9	21.1
466400 2013 SZ_{61}	16.6	X	357.21518	79.81228	358.35670	3.88362	0.1613500	0.17109663	3.2134762	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466401 2013 SX_{63}	17.5	X	283.83089	123.56163	213.72272	4.54636	0.2488489	0.26122197	2.4236110	20	5 7.3	20.7
466402 2013 SE_{64}	17.2	X	41.56385	112.73389	292.61050	0.94578	0.1610977	0.18100740	3.0950796	20	—	—
466403 2013 SB_{66}	16.9	X	46.35747	252.90559	161.47037	6.00549	0.1652116	0.18184049	3.0856192	20	—	—
466404 2013 SG_{67}	17.1	X	82.29810	221.34724	175.32208	5.96538	0.0751303	0.19427569	2.9525034	20	—	—
466405 2013 SQ_{68}	17.0	X	112.24403	209.22053	167.13915	6.30923	0.1006172	0.19870742	2.9084393	20	1 12.9	21.0
466406 2013 SQ_{72}	17.4	X	301.67816	262.15964	338.98555	1.59411	0.1412506	0.23008928	2.6375768	20	2 11.1	20.7
466407 2013 SH_{74}	17.3	X	139.69643	339.68278	0.70506	1.41219	0.0616951	0.19769793	2.9183316	20	—	—
466408 2013 SC_{79}	17.0	X	121.62462	255.28306	153.31770	6.93420	0.0377101	0.21286428	2.7780125	20	2 23.0	20.7
466409 2013 SE_{79}	17.4	X	263.48274	273.49502	17.71008	4.25997	0.0573355	0.22788107	2.6545886	20	3 11.9	21.2
466410 2013 SN_{80}	17.5	X	215.52130	102.50459	212.88208	3.36032	0.0522823	0.21522285	2.7576795	20	2 15.4	21.5
466411 2013 SR_{80}	16.6	X	89.77882	22.33165	351.64071	5.53075	0.1541166	0.18589626	3.0405743	20	—	—
466412 2013 SV_{80}	17.3	X	186.59174	2.04110	349.18628	5.59575	0.0749782	0.21791118	2.7349520	20	2 29.5	21.4
466413 2013 SA_{81}	16.9	X	91.73249	260.35645	183.51022	12.54416	0.0414379	0.21734457	2.7397032	20	2 27.8	20.7
466414 2013 TH_{1}	16.7	X	133.41789	351.02957	50.28884	7.24792	0.1090350	0.21209833	2.7846966	20	3 11.5	20.9
466415 2013 TD_{2}	16.4	X	144.87111	50.50735	294.86412	8.28947	0.0858956	0.19861027	2.9093876	20	1 11.9	20.7
466416 2013 TX_{4}	16.9	X	338.00839	195.55668	91.98953	18.68596	0.2886351	0.26216946	2.4177681	20	5 31.0	18.4
466417 2013 TQ_{6}	17.5	X	237.56727	20.86553	302.52244	2.60017	0.2042879	0.23450645	2.6043510	20	3 9.1	21.9
466418 2013 TY_{6}	16.6	X	188.38495	66.74891	263.13094	5.18941	0.0663521	0.21253655	2.7808675	20	2 3.6	20.7
466419 2013 TL_{7}	17.3	X	357.19039	124.29563	195.05100	21.65991	0.3016107	0.27602722	2.3361539	20	10 15.7	18.7
466420 2013 TF_{10}	16.9	X	181.12665	208.93002	150.03546	6.98379	0.0900381	0.21884823	2.7271395	20	3 4.9	20.9
466421 2013 TH_{17}	16.3	X	234.02732	342.48066	244.28091	8.27813	0.0370846	0.17974183	3.1095911	20	—	—
466422 2013 TA_{21}	16.5	X	97.18931	338.68655	26.66566	9.51097	0.0963434	0.18582415	3.0413608	20	—	—
466423 2013 TV_{27}	16.0	X	296.64290	130.98064	13.30121	32.01831	0.0823477	0.17265541	3.1941055	20	—	—
466424 2013 TR_{29}	16.8	X	178.86500	138.88064	205.29634	12.50525	0.1583598	0.21212030	2.7845043	20	2 12.7	21.5
466425 2013 TK_{30}	16.6	X	56.61604	15.52567	47.02971	9.85367	0.1186679	0.18045107	3.1014378	20	—	—
466426 2013 TG_{32}	17.6	X	246.87577	248.29037	99.60349	3.40484	0.2674840	0.24215066	2.5492491	20	4 13.7	21.8
466427 2013 TZ_{33}	15.8	X	324.88634	303.23933	206.71835	26.90579	0.1293911	0.17627185	3.1502673	20	—	—
466428 2013 TR_{39}	17.6	X	268.77905	91.03659	200.52973	10.66896	0.1819093	0.22902334	2.6457545	20	2 28.9	21.8
466429 2013 TE_{43}	17.0	X	263.05227	287.20961	14.42250	8.06050	0.1865702	0.23059025	2.6337553	20	3 10.8	21.1
466430 2013 TD_{46}	16.9	X	1.09766	88.21259	20.37686	9.91607	0.0811156	0.18067900	3.0988289	20	—	—
466431 2013 TS_{47}	16.8	X	264.18379	74.96256	205.14406	14.34636	0.1457471	0.22154832	2.7049365	20	2 13.3	21.1
466432 2013 TX_{48}	17.0	X	94.93876	2.68241	17.12042	4.29895	0.1536703	0.18699555	3.0286462	20	1 6.5	21.0
466433 2013 TV_{51}	17.4	X	233.89965	131.82237	197.12158	10.94400	0.2634915	0.23481440	2.6020735	20	3 8.7	22.1
466434 2013 TW_{51}	16.9	X	128.14332	150.03765	227.55226	1.12248	0.0802409	0.20371579	2.8605723	20	1 30.0	21.0
466435 2013 TE_{57}	16.2	X	95.23163	153.15523	216.57408	15.23031	0.0867427	0.18388745	3.0626779	20	—	—
466436 2013 TG_{59}	17.2	X	268.67003	86.26629	225.81912	12.82043	0.1347096	0.23601044	2.5932750	20	3 30.3	21.1
466437 2013 TC_{64}	16.9	X	83.07923	184.26258	212.82552	9.10302	0.0318200	0.18884422	3.0088480	20	—	—
466438 2013 TH_{70}	16.9	X	75.38748	250.04998	132.23663	1.98068	0.1721691	0.18208369	3.0828711	20	—	—
466439 2013 TL_{70}	16.2	X	88.59403	164.01606	184.56235	10.68285	0.0978553	0.17691660	3.1426089	20	—	—
466440 2013 TW_{70}	16.8	X	177.26917	348.97946	12.26976	14.70910	0.1480948	0.21823197	2.7322712	20	3 9.6	21.3
466441 2013 TL_{71}	16.7	X	246.38276	303.30824	2.20459	10.38895	0.0754463	0.22296134	2.6934960	20	3 9.2	20.6
466442 2013 TX_{72}	16.3	X	71.38423	321.69614	60.79234	4.15365	0.1079549	0.17623259	3.1507351	20	—	—
466443 2013 TQ_{81}	17.2	X	191.82234	236.95713	94.37317	2.88934	0.0776024	0.21360410	2.7715943	20	2 11.7	21.2
466444 2013 TE_{82}	16.7	X	311.67979	341.47396	186.05932	4.82149	0.1158391	0.19241440	2.9715132	20	—	—
466445 2013 TQ_{84}	16.8	X	176.77629	97.98240	245.45910	4.54913	0.0830978	0.20585979	2.8406760	20	2 9.1	21.2
466446 2013 TG_{85}	16.1	X	261.42649	205.49910	337.50252	9.51019	0.0442909	0.17799514	3.1299012	20	—	—
466447 2013 TA_{88}	17.1	X	201.96466	278.95506	30.78766	3.62436	0.0799014	0.20914399	2.8108594	20	1 28.1	21.4
466448 2013 TJ_{90}	17.0	X	127.37739	191.25191	195.73770	15.06340	0.1383723	0.20386015	2.8592216	20	2 13.4	21.4
466449 2013 TH_{95}	15.9	X	126.96456	259.25514	47.20698	13.17301	0.1088040	0.16890530	3.2412102	20	—	—
466450 2013 TL_{96}	16.1	X	288.78492	156.61933	353.27992	9.13524	0.0529232	0.16978314	3.2300284	20	—	—
466451 2013 TO_{96}	16.1	X	80.13715	102.12996	261.99491	3.55456	0.1437061	0.17585749	3.1552139	20	—	—
466452 2013 TF_{98}	16.3	X	104.47667	332.83460	37.23464	17.15621	0.1043857	0.18484571	3.0520838	20	—	—
466453 2013 TL_{98}	16.5	X	90.26808	229.84571	138.36683	2.70629	0.1403116	0.17799255	3.1299315	20	—	—
466454 2013 TM_{98}	16.5	X	95.83319	286.08216	91.33583	3.56152	0.1329755	0.18301058	3.0724530	20	1 1.9	20.7
466455 2013 TF_{104}	16.3	X	75.38142	10.84966	18.24476	10.26057	0.0685471	0.18013172	3.1051023	20	—	—
466456 2013 TM_{105}	17.4	X	249.99008	214.76880	120.39286	6.41331	0.1992658	0.24152300	2.5536638	20	4 7.8	21.5
466457 2013 TZ_{107}	16.2	X	358.80444	205.29211	193.04146	8.71654	0.1365104	0.15174206	3.4812248	20	12 7.0	20.6
466458 2013 TU_{108}	16.8	X	9.24617	127.03269	312.76176	1.46158	0.0987720	0.17103531	3.2142442	20	—	—
466459 2013 TR_{112}	16.7	X	60.66296	314.15192	83.28326	2.99098	0.0980963	0.17705095	3.1410188	20	—	—
466460 2013 TH_{115}	16.2	X	83.80286	156.02497	229.19819	8.78730	0.0772948	0.17634509	3.1493950	20	—	—
466461 2013 TH_{120}	16.9	X	179.56189	270.37674	73.81955	4.27729	0.1922451	0.21607003	2.7504665	20	2 19.7	21.6
466462 2013 TY_{121}	16.6	X	139.62488	308.63565	43.00296	10.89239	0.1133842	0.18912142	3.0059072	20	1 20.3	21.3
466463 2013 TG_{122}	16.1	X	108.86497	307.50443	47.84277	10.16040	0.0800625	0.17656289	3.1468045	20	—	—
466464 2013 TK_{124}	16.0	X	38.98957	209.88679	211.60137	26.74595	0.1570595	0.17511030	3.1641830	20	—	—
466465 2013 TH_{125}	16.8	X	187.97431	123.57440	226.94534	2.84390	0.1084556	0.21308745	2.7760725	20	2 29.6	21.2
466466 2013 TJ_{127}	16.6	X	22.57529	187.96491	225.82274	4.01737	0.1555341	0.17339031	3.1850738	20	—	—
466467 2013 TO_{128}	17.7	X	350.73520	74.21349	205.11423	10.92832	0.2650755	0.26861612	2.3789282	20	6 25.9	19.2
466468 2013 TA_{129}	16.6	X	17.40662	110.29053	317.06174	7.00978	0.1658251	0.17426115	3.1744537	20	—	—
466469 2013 TN_{130}	15.9	X	75.04131	28.40155	18.55175	10.27733	0.2182978	0.18514598	3.0487831	20	1 24.8	19.8
466470 2013 TB_{133}	16.7	X	252.27694	237.71340	62.50844	10.33082	0.0459861	0.21778792	2.7359838	20	3 16.9	20.7
466471 2013 TU_{133}	17.1	X	262.50399	294.14512	22.41135	15.30225	0.1710719	0.23794545	2.5791966	20	3 30.5	21.0
466472 2013 TM_{138}	16.6	X	67.64080	26.34606	25.09252	11.27219	0.0923956	0.18761964	3.0219261	20	—	—
466473 2013 TT_{139}	16.1	X	24.03992	34.08034	25.18656	17.85200	0.1352111	0.17241504	3.1970735	20	—	—
466474 2013 TU_{139}	17.5	X	263.16672	257.72891	50.39805	2.19720	0.1896701	0.23701140	2.5859685	20	3 17.0	21.4
466475 2013 TY_{140}	16.5	X	23.75691	274.68793	183.54423	9.29340	0.1307388	0.18574814	3.0421904	20	—	—
466476 2013 TR_{141}	17.0	X	172.75129	203.24327	134.23323	2.84054	0.0582057	0.20473356	2.8510841	20	1 29.1	21.2
466477 2013 TD_{143}	16.4	X	108.03499	137.01384	225.72506	4.17628	0.1657108	0.17988491	3.1079419	20	1 3.9	20.7
466478 2013 UU_{2}	16.3	X	204.21352	304.21584	20.30544	20.68895	0.2723256	0.21334997	2.7737948	20	2 24.7	21.6
466479 2013 UR_{6}	17.2	X	240.03615	158.42475	171.02925	12.83367	0.2638721	0.23197564	2.6232587	20	3 16.5	21.7
466480 2013 UU_{9}	16.5	X	165.29747	236.70600	63.30179	9.36279	0.1822203	0.18689756	3.0297046	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466481 2013 UJ_{13}	16.1	X	53.66528	223.35969	197.31405	17.64156	0.1875957	0.18153276	3.0891053	20	—	—
466482 2013 UC_{14}	15.5	X	162.06320	6.38528	295.98250	15.63155	0.1350188	0.18416788	3.0595681	20	—	—
466483 2013 VO_{2}	16.1	X	93.12358	354.98738	22.37694	9.98313	0.1895770	0.18354871	3.0664449	20	1 7.8	20.3
466484 2013 VY_{3}	16.5	X	213.42201	259.65198	76.02766	10.53123	0.1428452	0.21774599	2.7363351	20	3 13.0	21.1
466485 2013 VG_{11}	16.4	X	96.65005	132.46286	239.55957	3.76949	0.1732835	0.18238224	3.0795057	20	1 2.0	20.4
466486 2013 VZ_{19}	16.0	X	106.90469	347.83703	29.83211	15.92095	0.2196119	0.18923702	3.0046829	20	2 1.6	20.6
466487 2013 VD_{22}	16.1	X	85.49380	356.39420	16.37290	17.33563	0.1908858	0.17700583	3.1415526	20	—	—
466488 2013 WB_{3}	16.5	X	142.22123	9.78101	339.07724	4.06249	0.2724165	0.19561023	2.9390593	20	1 31.8	21.5
466489 2013 WQ_{6}	16.1	X	105.17842	336.76314	52.84695	11.96485	0.0347338	0.18488002	3.0517063	20	1 15.9	20.5
466490 2013 WK_{11}	16.1	X	205.61422	208.99850	81.07018	10.75072	0.2295352	0.18994515	2.9972105	20	1 10.7	21.4
466491 2013 WB_{22}	16.5	X	259.47184	183.88736	139.95988	9.52122	0.1401617	0.22668776	2.6638964	20	4 10.7	20.6
466492 2013 WP_{23}	15.5	X	267.47228	353.43891	225.64076	28.12836	0.1449782	0.17470795	3.1690391	20	—	—
466493 2013 WV_{26}	16.5	X	206.65590	286.70104	50.11157	13.28737	0.1035355	0.21044841	2.7992323	20	3 10.9	21.0
466494 2013 WB_{30}	16.8	X	130.67828	293.93757	53.30283	0.84273	0.1990157	0.18280677	3.0747363	20	1 14.0	21.4
466495 2013 WN_{30}	16.1	X	211.61630	200.35434	64.94394	10.35092	0.0454698	0.17422194	3.1749300	20	—	—
466496 2013 WU_{40}	16.2	X	125.93436	259.71926	68.17546	16.37354	0.2426602	0.17286352	3.1915414	20	—	—
466497 2013 WC_{61}	16.2	X	72.24397	323.61773	69.55798	18.79733	0.1721516	0.17666254	3.1456211	20	—	—
466498 2013 WD_{62}	16.0	X	66.79712	355.05149	48.22377	10.83792	0.1025129	0.17400685	3.1775458	20	—	—
466499 2013 WA_{63}	15.7	X	97.22482	278.86140	103.56148	16.28422	0.2398994	0.17983306	3.1085393	20	1 26.2	20.0
466500 2013 WQ_{98}	15.5	X	234.11807	194.53851	70.48850	16.75414	0.0278827	0.17734900	3.1374987	20	1 15.1	20.2
466501 2013 WF_{105}	16.2	X	265.70468	93.46394	104.37722	14.99169	0.0902652	0.17580998	3.1557823	20	—	—
466502 2013 YY_{53}	15.3	X	167.63953	50.15730	269.13639	14.61167	0.0751731	0.17505547	3.1648437	20	1 6.5	20.1
466503 2013 YJ_{103}	15.7	X	299.58844	224.54778	70.67846	33.15488	0.1986252	0.23325701	2.6136429	20	4 28.1	19.6
466504 2014 AX_{20}	15.9	X	92.90415	332.39106	79.36549	12.36200	0.0523198	0.18333679	3.0688074	20	1 30.9	20.3
466505 2014 AH_{51}	17.8	X	356.12429	244.02067	337.39436	18.78006	0.0239075	0.35101226	1.9903122	20	3 28.1	20.0
466506 2014 DE_{89}	16.1	X	113.81461	175.66350	28.04291	9.23955	0.0763872	0.21446652	2.7641592	20	9 10.9	20.2
466507 2014 FK_{33}	20.8	X	10.81531	328.17218	15.77552	26.95596	0.5034800	1.02295318	0.9755111	20	—	—
466508 2014 GY_{48}	18.6	X	337.71679	212.80378	37.63375	39.62228	0.4182583	0.48255219	1.6098047	20	2 20.2	21.5
466509 2014 OP_{28}	18.4	X	151.83447	321.01473	95.53757	4.10673	0.2309069	0.27988652	2.3146290	20	4 22.4	22.1
466510 2014 OP_{122}	18.2	X	103.16535	306.10838	130.50839	3.33609	0.1504627	0.27049958	2.3678725	20	3 18.6	21.1
466511 2014 OH_{187}	17.9	X	251.72580	181.98431	192.09938	5.75579	0.0870689	0.30015460	2.2092221	20	6 10.7	20.6
466512 2014 OE_{295}	18.0	X	185.03281	55.41321	344.01182	3.60363	0.1432457	0.27713119	2.3299456	20	4 24.5	21.5
466513 2014 OW_{338}	18.4	X	268.81056	110.78551	317.70213	8.24297	0.1927087	0.34760900	2.0032818	20	9 14.0	20.0
466514 2014 PO_{44}	17.6	X	186.98088	217.20726	175.65160	2.75813	0.2639850	0.28277230	2.2988544	20	4 20.6	21.7
466515 2014 PJ_{56}	18.2	X	189.28686	68.90429	323.65743	4.57012	0.1766947	0.27898431	2.3196165	20	4 19.1	22.0
466516 2014 QV_{140}	16.6	X	347.24909	259.41464	149.88220	6.64302	0.1299862	0.18883637	3.0089314	20	12 13.1	20.3
466517 2014 QS_{204}	18.2	X	166.80158	213.06117	207.04261	2.07846	0.2033517	0.28005879	2.3136797	20	5 7.2	21.9
466518 2014 QD_{214}	18.1	X	163.04254	194.22470	218.24826	1.73178	0.1579380	0.27615617	2.3354266	20	4 21.7	21.4
466519 2014 QP_{368}	17.1	X	85.10424	341.11136	90.74532	9.21860	0.1569741	0.23178364	2.6247072	20	2 24.1	20.4
466520 2014 QJ_{369}	18.0	X	188.49027	20.73062	32.61926	3.34822	0.1917171	0.28589668	2.2820753	20	5 16.7	21.6
466521 2014 QR_{373}	18.3	X	80.87809	337.49873	357.31859	21.92224	0.0937688	0.37516125	1.9039582	20	—	—
466522 2014 QH_{377}	17.8	X	133.06907	245.68779	192.40753	9.36985	0.1612794	0.26656365	2.3911240	20	4 26.8	21.3
466523 2014 QC_{409}	17.2	X	104.09693	44.57750	27.89734	4.12481	0.2041595	0.23686427	2.5870392	20	3 24.9	20.6
466524 2014 QV_{420}	18.0	X	192.76379	356.39482	45.08976	3.09449	0.1930512	0.28109914	2.3079676	20	5 5.7	21.7
466525 2014 QC_{421}	17.8	X	175.98439	236.45415	18.74603	21.92125	0.0286256	0.37495605	1.9046527	20	—	—
466526 2014 QA_{432}	16.5	X	37.24389	93.54025	28.47326	15.65174	0.0685209	0.23151736	2.6267194	20	2 10.9	20.0
466527 2014 QN_{438}	17.7	X	207.43289	352.80930	62.45058	7.84509	0.1784727	0.27913700	2.3187706	20	6 6.4	21.3
466528 2014 RV_{58}	18.5	X	198.41223	88.56645	15.24847	3.32295	0.0866366	0.31214715	2.1522686	20	8 12.7	21.1
466529 2014 SF	18.1	X	171.13567	240.30517	28.28119	22.24657	0.1201114	0.38588344	1.8685238	20	—	—
466530 2014 SR	15.9	X	132.57589	223.43908	176.97631	32.79944	0.2312440	0.23955045	2.5676632	20	3 16.2	19.9
466531 2014 SF_{23}	16.7	X	3.32080	263.62346	172.89904	4.46823	0.0503786	0.21028544	2.8006784	20	—	—
466532 2014 SF_{56}	17.8	X	118.39716	73.47701	16.83306	10.64865	0.1757721	0.26672909	2.3901352	20	4 25.1	21.2
466533 2014 SH_{57}	18.1	X	184.47003	303.04127	117.65071	4.69657	0.1393707	0.28694192	2.2765300	20	5 24.5	21.5
466534 2014 SJ_{96}	18.4	X	147.38411	147.34438	266.25456	1.71986	0.1640397	0.26191212	2.4193516	20	4 7.9	22.1
466535 2014 SP_{119}	17.1	X	305.95297	78.44850	29.55138	4.69668	0.1505253	0.18709767	3.0275439	20	12 16.9	20.7
466536 2014 SR_{123}	18.4	X	174.47015	352.06043	71.77538	2.38397	0.1674834	0.27819028	2.3240283	20	5 18.2	22.0
466537 2014 SH_{147}	18.3	X	170.73627	81.79074	31.18745	4.80437	0.0771966	0.30303614	2.1951950	20	7 22.3	21.2
466538 2014 SR_{154}	18.2	X	209.72977	94.65455	357.65151	6.11049	0.0778088	0.30859610	2.1687480	20	8 11.8	20.8
466539 2014 SA_{158}	18.1	X	263.06753	137.63778	218.21096	3.01644	0.1029715	0.29253976	2.2473952	20	5 27.9	20.8
466540 2014 SY_{160}	18.2	X	41.92108	188.82840	195.09154	21.54359	0.0815534	0.37278407	1.9120437	20	—	—
466541 2014 SD_{212}	16.9	X	23.32981	344.31495	121.91663	9.65176	0.2690475	0.20317140	2.8656798	20	—	—
466542 2014 SD_{225}	18.5	X	99.52846	125.94488	182.22428	21.89881	0.0711458	0.37277905	1.9120609	20	—	—
466543 2014 SO_{226}	18.0	X	155.30395	284.21594	170.17980	6.27747	0.0508832	0.28975446	2.2617745	20	6 4.3	21.0
466544 2014 SD_{227}	15.6	X	50.92756	245.09140	140.06751	9.96645	0.0221840	0.19897566	2.9058248	20	—	—
466545 2014 SM_{233}	17.8	X	79.88884	289.18943	165.47751	5.54435	0.1364645	0.24198714	2.5503974	20	3 9.9	20.8
466546 2014 SN_{287}	18.3	X	238.91743	40.61705	352.33108	3.69011	0.1974088	0.29625499	2.2285665	20	6 6.6	21.6
466547 2014 SD_{291}	17.8	X	157.79268	137.82739	308.60586	3.61822	0.1287390	0.28505426	2.2865692	20	5 29.5	21.2
466548 2014 SJ_{299}	16.6	X	334.92847	71.40642	20.14241	24.85055	0.3026781	0.17854632	3.1234564	20	—	—
466549 2014 SK_{301}	16.3	X	325.71905	47.35964	38.20764	23.09244	0.2232144	0.18055959	3.1001950	20	12 17.5	19.8
466550 2014 SX_{307}	17.8	X	241.53265	8.20652	23.55481	5.13707	0.2415040	0.29217987	2.2492403	20	6 2.9	21.2
466551 2014 SN_{310}	18.6	X	278.21343	159.68631	212.98969	4.56257	0.1621601	0.30075934	2.2062597	20	7 3.9	21.0
466552 2014 SS_{310}	16.9	X	65.92269	207.65168	219.26625	7.42842	0.2085512	0.21496502	2.7598842	20	1 22.2	19.9
466553 2014 SZ_{318}	17.9	X	91.03411	285.55717	157.12915	2.84860	0.1971981	0.23897250	2.5718014	20	3 20.1	21.2
466554 2014 SP_{319}	17.5	X	189.31354	176.99632	193.79828	6.54511	0.1291233	0.26245053	2.4160416	20	3 24.3	21.1
466555 2014 SR_{320}	17.5	X	49.83668	289.30807	179.61028	3.41364	0.1733544	0.23221777	2.6214349	20	2 12.8	20.0
466556 2014 SB_{323}	17.8	X	139.97063	55.29803	73.95569	5.93817	0.2224761	0.28718599	2.2752400	20	7 13.9	21.4
466557 2014 SG_{330}	18.1	X	195.33600	46.04967	355.11090	5.53495	0.1039747	0.27425691	2.3461962	20	5 7.3	21.6
466558 2014 SL_{333}	18.2	X	283.90239	350.38453	16.10051	5.17527	0.1442368	0.30825976	2.1703253	20	7 9.3	20.5
466559 2014 SO_{338}	18.2	X	178.83018	357.88748	50.71278	6.21962	0.2222775	0.26866131	2.3786614	20	5 3.6	22.1
466560 2014 TQ_{13}	16.4	X	41.17109	9.24502	348.96273	8.93800	0.0838189	0.18352495	3.0667095	20	12 17.2	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466561 2014 TJ_{15}	17.5	X	165.77794	174.24456	217.78165	13.95926	0.1951844	0.25844363	2.4409497	20	3 29.4	21.6
466562 2014 TJ_{16}	16.9	X	359.73444	109.01818	14.46651	13.29870	0.1559770	0.21344392	2.7729808	20	—	—
466563 2014 TJ_{23}	17.8	X	139.09597	38.09657	26.71661	4.53706	0.0991413	0.25808334	2.4432209	20	4 9.0	21.2
466564 2014 TA_{27}	17.2	X	65.85245	273.45350	199.82967	16.18382	0.0914580	0.24350398	2.5397951	20	3 3.1	20.4
466565 2014 TQ_{59}	17.6	X	114.58741	59.42092	338.98741	2.52799	0.2621201	0.23252866	2.6190979	20	2 29.3	21.5
466566 2014 TX_{64}	16.8	X	97.43958	57.29690	297.55840	3.73801	0.0367120	0.21164256	2.7886931	20	—	—
466567 2014 TO_{68}	17.2	X	6.64517	106.52183	43.83600	12.36853	0.0208369	0.23101108	2.6305557	20	2 1.8	20.9
466568 2014 UM_{4}	17.3	X	237.73847	121.12038	219.06446	8.77480	0.2535692	0.26974638	2.3722783	20	3 23.5	21.3
466569 2014 UP_{4}	16.4	X	352.28174	10.89843	62.33287	12.63687	0.2178807	0.17830070	3.1263242	20	—	—
466570 2014 UU_{4}	17.3	X	35.82792	333.17096	175.90148	3.07074	0.0649750	0.23441854	2.6050021	20	3 7.5	20.4
466571 2014 UU_{16}	17.8	X	125.02620	187.01951	221.81226	5.11902	0.2032264	0.24309920	2.5426136	20	3 14.4	21.6
466572 2014 UX_{19}	16.2	X	320.51206	233.70480	224.95142	26.10610	0.2018219	0.17945366	3.1129191	20	12 23.2	19.9
466573 2014 UU_{21}	16.7	X	33.27616	303.30059	85.33854	8.38160	0.1908636	0.18456849	3.0551392	20	—	—
466574 2014 UD_{24}	17.0	X	70.15650	358.34421	74.65523	9.25605	0.2125335	0.21986030	2.7187640	20	2 12.5	20.1
466575 2014 UW_{24}	15.7	X	341.67614	202.71605	246.11286	17.11576	0.1382310	0.18090257	3.0962752	20	—	—
466576 2014 UR_{27}	17.3	X	52.80855	3.82653	181.25333	5.91267	0.0522334	0.26423308	2.4051634	20	5 22.2	20.1
466577 2014 UX_{41}	18.6	X	299.09900	326.20245	42.14053	4.44499	0.2267290	0.30956029	2.1642423	20	7 27.3	20.2
466578 2014 UC_{53}	17.3	X	44.77422	340.43318	97.90769	5.60550	0.0480429	0.21084590	2.7957131	20	—	—
466579 2014 UO_{65}	17.8	X	193.82433	49.90141	359.22234	7.42435	0.1043253	0.27825700	2.3236568	20	5 15.9	21.3
466580 2014 UD_{68}	18.0	X	250.23071	226.42035	167.42562	4.07875	0.1075825	0.29831385	2.2183008	20	7 3.9	20.7
466581 2014 UK_{83}	18.0	X	41.40537	25.96211	221.90372	6.51350	0.0537256	0.29292446	2.2454271	20	8 4.2	20.6
466582 2014 UD_{84}	17.4	X	72.75019	41.02822	50.81591	3.37173	0.1021559	0.22751509	2.6574346	20	2 22.8	20.5
466583 2014 UP_{84}	17.2	X	91.31767	333.87950	44.70106	6.39745	0.0807383	0.20636475	2.8360401	20	—	—
466584 2014 UC_{93}	17.9	X	155.26412	17.06166	54.20392	5.92405	0.0769756	0.26151567	2.4217960	20	5 4.6	21.2
466585 2014 UH_{99}	17.5	X	199.76463	313.81736	76.04645	4.41671	0.1775475	0.26680736	2.3896677	20	4 28.9	21.4
466586 2014 UE_{101}	17.9	X	270.81697	248.29087	78.24622	5.58143	0.1568122	0.28056274	2.3109084	20	4 20.9	21.1
466587 2014 UA_{105}	16.4	X	259.76456	102.41621	27.56998	4.72994	0.1494117	0.17132319	3.2106424	20	10 31.9	20.8
466588 2014 UH_{109}	17.8	X	169.19409	320.75916	112.88409	5.81538	0.1313022	0.27737650	2.3285717	20	5 26.3	21.3
466589 2014 UA_{114}	16.9	X	26.32970	245.88978	225.35001	9.51535	0.0054322	0.21753360	2.7381158	20	1 5.6	20.7
466590 2014 UT_{117}	16.7	X	47.61751	39.46654	46.02578	8.21283	0.2002343	0.21227236	2.7831743	20	1 15.9	19.5
466591 2014 US_{118}	16.5	X	182.48655	87.80718	230.61782	8.50037	0.0462782	0.22818805	2.6522072	20	1 10.9	20.5
466592 2014 UT_{121}	17.1	X	132.32139	158.10500	283.80014	8.51285	0.1747881	0.25724311	2.4485382	20	4 28.2	21.0
466593 2014 UT_{124}	17.6	X	142.04593	139.56181	303.57414	5.50687	0.1955266	0.26196485	2.4190269	20	5 12.3	21.4
466594 2014 UF_{144}	17.0	X	8.68194	156.02008	258.77444	3.00943	0.2295037	0.18456038	3.0552288	20	—	—
466595 2014 UF_{164}	16.4	X	88.53326	230.69199	226.11840	30.76516	0.2283430	0.23545657	2.5973402	20	4 5.9	20.2
466596 2014 UK_{169}	17.8	X	106.91143	206.49674	273.03226	4.88067	0.0601079	0.25948890	2.4343902	20	5 5.9	21.0
466597 2014 UF_{170}	17.7	X	267.45678	288.36855	59.01284	8.71129	0.1036254	0.28003568	2.3138070	20	5 21.3	20.3
466598 2014 UL_{178}	18.3	X	190.59341	19.39280	51.39696	6.81227	0.0943546	0.28399578	2.2922472	20	6 13.2	21.5
466599 2014 UZ_{184}	16.3	X	347.63892	212.27085	230.91960	15.62298	0.0816634	0.18054455	3.1003672	20	—	—
466600 2014 UB_{185}	17.3	X	101.29860	331.41404	135.79983	2.48670	0.1188956	0.24583542	2.5237117	20	4 23.6	20.5
466601 2014 UC_{193}	18.0	X	266.57306	80.67411	299.29655	3.28944	0.1441740	0.30202290	2.2001019	20	7 1.2	20.3
466602 2014 UD_{193}	18.2	X	32.81287	355.20176	21.75479	19.84136	0.1027669	0.36227425	1.9488470	20	—	—
466603 2014 UW_{199}	16.8	X	136.96542	155.56276	238.45091	7.03654	0.1895875	0.23835129	2.5762680	20	3 5.4	20.8
466604 2014 UH_{204}	17.2	X	121.31713	256.88383	169.91196	3.71852	0.1904500	0.24041444	2.5615078	20	4 3.5	20.8
466605 2014 UP_{204}	17.3	X	65.26117	23.69387	97.34138	6.76034	0.1498302	0.23367490	2.6105259	20	3 30.2	20.4
466606 2014 UF_{208}	18.0	X	137.91899	336.63537	102.44994	2.57578	0.1546381	0.26316853	2.4116452	20	5 2.3	21.4
466607 2014 UN_{208}	17.7	X	137.25568	198.86354	259.88898	6.78295	0.0948996	0.26096479	2.4252030	20	5 21.0	21.0
466608 2014 US_{209}	16.4	X	245.51986	138.31842	43.68138	28.15087	0.1673879	0.17243114	3.1968744	20	12 7.9	21.3
466609 2014 UZ_{215}	16.3	X	26.29269	285.75027	106.95562	13.26276	0.3071578	0.18804696	3.0173464	20	—	—
466610 2014 UB_{217}	16.3	X	196.55810	221.62310	121.10274	12.75328	0.0857380	0.24386851	2.5372635	20	2 29.8	20.1
466611 2014 VU_{3}	16.0	X	12.70285	50.98346	319.03482	9.40057	0.0799339	0.17407890	3.1766690	20	11 19.6	20.3
466612 2014 VZ_{5}	17.5	X	136.47219	23.53365	48.52693	7.44338	0.0944598	0.25593377	2.4568821	20	4 16.5	20.9
466613 2014 VA_{11}	16.4	X	336.21314	68.42152	40.72606	12.02961	0.1855970	0.18247685	3.0784412	20	—	—
466614 2014 VL_{12}	17.7	X	199.64893	317.55527	49.42552	3.11102	0.2292552	0.26315027	2.4117568	20	3 30.7	21.9
466615 2014 VF_{15}	17.8	X	92.76065	291.87512	214.71042	5.08830	0.1664932	0.25828420	2.4419540	20	6 11.5	21.0
466616 2014 VG_{15}	17.5	X	2.75767	80.94680	253.33513	5.02022	0.1073564	0.32067699	2.1139312	20	10 27.6	19.5
466617 2014 VD_{17}	16.9	X	4.91752	30.13784	44.02290	8.54166	0.2582114	0.18910620	3.0060685	20	—	—
466618 2014 VS_{18}	17.8	X	202.04435	332.83801	33.50186	6.66121	0.1080569	0.26871109	2.3783676	20	4 2.1	21.2
466619 2014 VY_{19}	17.4	X	50.77204	142.46384	3.88964	0.32962	0.1681904	0.23712204	2.5851640	20	4 8.4	20.1
466620 2014 VU_{22}	17.5	X	190.53036	338.35167	63.32812	2.30692	0.1862850	0.26604967	2.3942026	20	5 4.7	21.3
466621 2014 VH_{24}	16.7	X	111.47966	259.89289	118.98526	4.32543	0.1029020	0.21470869	2.7620803	20	1 13.4	20.3
466622 2014 VV_{24}	17.5	X	90.74800	5.55269	77.60343	2.99719	0.1044929	0.22995133	2.6386317	20	3 8.0	20.8
466623 2014 VJ_{28}	16.6	X	291.64782	86.53783	54.78691	15.66185	0.1831682	0.17494154	3.1662176	20	12 27.2	20.4
466624 2014 VK_{34}	18.2	X	212.90592	15.87534	48.35872	3.18367	0.1064654	0.28838278	2.2689408	20	6 30.2	21.2
466625 2014 WF	17.6	X	119.32103	207.45653	96.02275	23.98995	0.0773901	0.36677564	1.9328689	20	—	—
466626 2014 WO	16.2	X	32.04579	331.71930	57.63639	3.52410	0.2160116	0.18669729	3.0318709	20	—	—
466627 2014 WU_{6}	17.2	X	88.19539	262.85764	186.95706	25.59545	0.3315374	0.23410323	2.6073406	20	4 16.5	20.9
466628 2014 WF_{14}	17.8	X	150.76564	140.61637	274.75092	1.92820	0.1649485	0.25426865	2.4675966	20	4 13.9	21.5
466629 2014 WG_{17}	17.9	X	183.91903	268.03382	134.21897	3.07136	0.0871587	0.26247783	2.4158741	20	4 29.8	21.4
466630 2014 WE_{19}	16.4	X	326.47013	282.24217	141.07155	18.33802	0.2501390	0.16466047	3.2966777	20	11 21.6	20.1
466631 2014 WL_{19}	16.9	X	49.93676	128.86318	258.63067	9.38079	0.1631863	0.19049073	2.9914849	20	—	—
466632 2014 WZ_{19}	18.1	X	199.41857	184.12490	270.59390	3.89027	0.0332177	0.29547263	2.2324987	20	8 1.8	20.7
466633 2014 WZ_{22}	17.8	X	57.21417	103.99834	12.81543	2.61395	0.1246959	0.23220179	2.6215552	20	3 4.4	20.6
466634 2014 WU_{23}	17.7	X	178.74039	178.64401	248.65039	6.26424	0.0868700	0.27300609	2.3533571	20	5 26.1	21.0
466635 2014 WH_{24}	16.4	X	24.38229	11.51252	43.30965	9.30690	0.1238612	0.18537817	3.0462368	20	—	—
466636 2014 WX_{27}	18.3	X	178.57572	9.15129	50.42233	4.10564	0.1143550	0.26727897	2.3868558	20	5 15.7	21.8
466637 2014 WA_{45}	17.1	X	11.11811	280.43485	177.16892	2.12060	0.1030572	0.19916203	2.9040117	20	—	—
466638 2014 WJ_{45}	17.9	X	195.41478	344.94159	55.08214	7.19003	0.0964507	0.26715355	2.3876028	20	5 8.6	21.4
466639 2014 WO_{46}	17.5	X	60.77560	182.59046	267.54709	2.29279	0.0912898	0.22016511	2.7162540	20	1 30.9	20.8
466640 2014 WP_{46}	16.9	X	53.77604	75.78482	337.87605	1.18322	0.0205386	0.20080436	2.8881558	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466641 2014 WM_{48}	17.4	X	258.57743	243.07251	83.71383	6.76887	0.1075041	0.26603914	2.3942658	20	4 14.7	20.7
466642 2014 WR_{49}	16.3	X	304.41428	264.89622	229.52450	11.38690	0.0231778	0.18463465	3.0544093	20	—	—
466643 2014 WX_{51}	18.6	X	346.56372	313.26553	14.39398	1.72695	0.1727916	0.31259762	2.1502004	20	9 22.3	19.7
466644 2014 WY_{51}	17.9	X	316.72734	321.42169	350.39308	2.03363	0.0867339	0.28443475	2.2898882	20	6 17.9	20.3
466645 2014 WP_{52}	16.8	X	318.00022	69.74212	62.09008	3.26701	0.2179084	0.17955919	3.1116994	20	—	—
466646 2014 WU_{52}	16.7	X	15.76646	331.11958	59.88647	4.37647	0.1744082	0.17466833	3.1695183	20	—	—
466647 2014 WL_{54}	17.5	X	318.29812	191.74032	87.54586	7.86657	0.1091326	0.26754890	2.3852502	20	5 1.8	20.1
466648 2014 WK_{55}	17.8	X	268.63883	288.70871	90.40419	3.08250	0.2075707	0.29592804	2.2302076	20	6 21.9	20.3
466649 2014 WN_{61}	17.5	X	57.24120	15.32069	109.05595	5.49703	0.1521837	0.23439403	2.6051837	20	3 20.6	20.4
466650 2014 WX_{63}	18.1	X	257.48258	193.61003	178.16426	2.55260	0.1321037	0.29236449	2.2482933	20	6 8.1	21.0
466651 2014 WY_{67}	17.9	X	214.82676	16.89420	92.78914	5.45296	0.0334874	0.30604431	2.1807866	20	9 20.5	20.4
466652 2014 WE_{68}	17.1	X	90.25518	261.88559	240.23999	5.97414	0.0502171	0.26222348	2.4174360	20	5 14.2	20.0
466653 2014 WC_{71}	17.6	X	313.37617	228.57905	109.07286	5.33039	0.1747135	0.30507723	2.1853928	20	7 13.0	18.9
466654 2014 WJ_{75}	17.4	X	128.00712	194.04463	214.17848	6.69996	0.1214330	0.23865877	2.5740548	20	3 7.1	21.1
466655 2014 WT_{76}	18.2	X	43.61750	6.06704	139.76682	2.54372	0.0727933	0.24029862	2.5623308	20	3 16.1	21.1
466656 2014 WV_{77}	17.6	X	304.08528	198.54687	70.96914	7.53985	0.1240910	0.26119723	2.4237640	20	3 25.9	20.6
466657 2014 WM_{80}	18.2	X	217.61947	269.75862	113.95308	2.31788	0.1836116	0.27552583	2.3389871	20	5 6.7	21.8
466658 2014 WJ_{96}	16.5	X	352.00171	96.57714	37.93005	9.46139	0.1798469	0.19089117	2.9872999	20	—	—
466659 2014 WA_{104}	17.8	X	52.60452	86.87022	47.92685	29.15382	0.1463866	0.23968536	2.5666996	20	4 8.6	21.1
466660 2014 WX_{108}	18.1	X	333.63413	108.56575	196.71152	6.38083	0.1577982	0.29829354	2.2184015	20	7 4.0	19.8
466661 2014 WS_{117}	16.4	X	344.23761	92.20924	351.55364	15.30172	0.2757192	0.17896130	3.1186260	20	—	—
466662 2014 WV_{118}	17.7	X	146.19607	85.70061	329.59681	3.16566	0.1342031	0.24631064	2.5204646	20	4 6.8	21.5
466663 2014 WQ_{124}	17.1	X	286.05355	42.37213	269.66691	5.20291	0.1274814	0.27016863	2.3698058	20	4 21.1	20.0
466664 2014 WK_{125}	17.3	X	66.47162	150.94314	311.48499	3.18926	0.0634090	0.22689870	2.6622451	20	2 20.4	20.7
466665 2014 WY_{140}	17.7	X	122.73620	356.33912	77.57951	2.49047	0.0656984	0.24333083	2.5409997	20	3 30.1	21.1
466666 2014 WT_{143}	16.8	X	25.53205	170.80980	237.29147	9.69445	0.1176952	0.18543923	3.0455680	20	—	—
466667 2014 WE_{160}	16.7	X	216.82662	217.31261	103.23964	9.00610	0.0953947	0.24465668	2.5318113	20	2 22.9	20.5
466668 2014 WP_{165}	16.3	X	314.32785	51.41897	77.33711	17.87168	0.1837612	0.17855205	3.1233896	20	—	—
466669 2014 WW_{183}	16.5	X	6.76839	224.20259	328.88476	12.38525	0.1431234	0.22677475	2.6632151	20	3 16.2	19.4
466670 2014 WY_{184}	16.0	X	350.43018	129.17423	315.97781	15.14108	0.0644403	0.17367479	3.1815947	20	—	—
466671 2014 WB_{192}	16.6	X	170.34997	192.63828	140.07102	14.40378	0.0682584	0.21959148	2.7209824	20	1 18.9	20.7
466672 2014 WZ_{193}	17.2	X	133.76225	9.56349	13.95117	11.40958	0.0607683	0.22849707	2.6498154	20	2 12.2	21.0
466673 2014 WE_{196}	17.8	X	216.76448	36.08705	341.97770	6.33905	0.1343308	0.27068585	2.3667861	20	4 27.7	21.5
466674 2014 WD_{200}	16.4	X	314.77019	94.75300	39.72152	17.12154	0.0853406	0.17450497	3.1714961	20	—	—
466675 2014 WH_{201}	16.4	X	114.74524	19.19646	65.08141	16.95858	0.2870991	0.23423078	2.6063941	20	5 3.1	20.6
466676 2014 WM_{213}	17.3	X	87.89345	135.93281	270.06816	1.18545	0.0804373	0.21633185	2.7482469	20	1 12.9	20.6
466677 2014 WG_{217}	17.2	X	158.71248	229.98561	211.03912	6.09093	0.0788738	0.26200107	2.4188040	20	5 22.1	20.5
466678 2014 WD_{233}	17.0	X	328.83422	18.22045	99.54430	5.41746	0.0843326	0.18513784	3.0488724	20	—	—
466679 2014 WG_{236}	16.9	X	37.75560	137.57593	337.53952	10.11562	0.1173739	0.21869100	2.7284465	20	2 1.2	19.9
466680 2014 WV_{236}	18.2	X	183.67985	306.90862	149.19419	6.83156	0.0398520	0.29559466	2.2318842	20	7 13.0	21.0
466681 2014 WB_{241}	16.9	X	33.00300	9.08122	129.50404	12.77747	0.1281807	0.22358473	2.6884871	20	2 24.3	19.8
466682 2014 WD_{245}	17.7	X	83.44530	15.48995	39.93080	12.05606	0.2261752	0.23063775	2.6333937	20	2 12.9	21.1
466683 2014 WX_{260}	17.5	X	85.10727	50.61980	127.98040	4.37521	0.1420474	0.27021166	2.3695543	20	7 13.0	20.5
466684 2014 WJ_{270}	17.4	X	61.51827	39.00362	88.89027	9.39868	0.1361991	0.23425853	2.6061882	20	4 2.2	20.6
466685 2014 WG_{272}	17.6	X	151.67705	166.07960	192.28432	6.19214	0.0493267	0.22285408	2.6943602	20	1 26.0	21.5
466686 2014 WB_{286}	17.5	X	79.48914	236.45098	181.92317	4.73786	0.0633552	0.21398199	2.7683303	20	1 14.6	21.1
466687 2014 WR_{294}	15.9	X	53.57522	249.60023	137.47907	11.83941	0.1464852	0.19065012	2.9898173	20	—	—
466688 2014 WK_{296}	16.4	X	322.32956	19.82203	102.23581	18.34621	0.1882078	0.17948369	3.1125718	20	—	—
466689 2014 WW_{296}	16.7	X	22.85771	301.66241	116.24877	11.40975	0.1897856	0.18807364	3.0170610	20	—	—
466690 2014 WW_{310}	17.1	X	120.52563	56.51412	305.83378	3.44130	0.0844047	0.21059584	2.7979258	20	1 2.4	20.8
466691 2014 WO_{311}	17.5	X	11.35702	175.21576	344.93886	3.20725	0.0385091	0.22841462	2.6504530	20	2 16.5	20.8
466692 2014 WY_{324}	17.2	X	73.82799	247.77315	193.13188	12.18347	0.2430278	0.22346495	2.6894477	20	2 27.3	20.4
466693 2014 WB_{332}	17.8	X	123.26413	44.05334	135.18205	6.18309	0.0778294	0.29698113	2.2249323	20	8 26.3	20.7
466694 2014 WB_{353}	17.9	X	119.91397	271.87816	148.92064	3.32214	0.2158526	0.23805431	2.5784103	20	3 28.8	21.7
466695 2014 WQ_{353}	17.7	X	185.37353	259.58689	151.08347	7.58147	0.1634376	0.26702933	2.3883432	20	5 13.7	21.6
466696 2014 WN_{355}	16.0	X	319.44864	285.90639	228.24294	8.75089	0.0793712	0.17511880	3.1640806	20	—	—
466697 2014 WP_{361}	17.9	X	162.67833	215.34289	208.51112	2.31376	0.1615832	0.25964925	2.4333879	20	5 7.1	21.7
466698 2014 WL_{379}	16.6	X	322.20331	83.29289	34.10019	7.79350	0.1826081	0.17977613	3.1091956	20	—	—
466699 2014 WF_{382}	16.7	X	90.76595	42.04744	55.63756	22.61438	0.0395229	0.22391307	2.6858583	20	3 30.0	20.7
466700 2014 WW_{382}	16.1	X	43.32171	86.79138	47.87296	12.95250	0.1314646	0.23179396	2.6246293	20	3 13.1	19.2
466701 2014 WN_{401}	17.5	X	26.64723	253.92546	225.37134	4.70464	0.0937509	0.21484267	2.7609318	20	1 16.4	20.8
466702 2014 WD_{403}	17.3	X	63.06343	249.73405	225.25530	10.31780	0.1429271	0.23161980	2.6259448	20	3 9.0	20.5
466703 2014 WN_{406}	17.3	X	268.17947	184.57723	67.53218	7.52238	0.0329577	0.22248190	2.6973642	20	2 2.0	21.1
466704 2014 WY_{410}	16.6	X	0.62425	298.45219	144.03015	5.86334	0.1526692	0.18039167	3.1021186	20	—	—
466705 2014 WP_{412}	17.7	X	239.72213	6.53959	62.25776	3.07746	0.1195161	0.29724306	2.2236251	20	8 9.9	20.3
466706 2014 WQ_{432}	17.1	X	350.06358	126.66714	46.85956	14.47391	0.0450093	0.22234426	2.6984773	20	2 10.5	20.9
466707 2014 WG_{444}	17.9	X	335.38607	304.98611	45.29393	5.40492	0.1215814	0.31333070	2.1468453	20	10 3.8	19.4
466708 2014 WF_{445}	16.9	X	328.93845	240.47744	265.61161	6.69057	0.2458610	0.18807964	3.0169969	20	—	—
466709 2014 WL_{446}	17.4	X	95.73628	130.06709	277.54820	3.53244	0.1543617	0.21823110	2.7322784	20	2 4.4	20.9
466710 2014 WJ_{459}	17.3	X	359.22193	5.05973	253.13435	4.39515	0.0821600	0.27555227	2.3388375	20	6 11.9	19.4
466711 2014 WH_{462}	17.8	X	228.16952	270.05241	95.01577	2.44849	0.1928735	0.27108375	2.3644695	20	4 22.2	21.4
466712 2014 WV_{465}	16.4	X	285.15455	107.50555	51.94623	8.58408	0.1889680	0.17810071	3.1286642	20	—	—
466713 2014 WB_{470}	17.6	X	73.23686	100.56603	344.39991	4.40444	0.1149073	0.22190245	2.7020579	20	2 15.9	20.8
466714 2014 WZ_{485}	17.5	X	71.79571	308.54907	129.99976	9.52767	0.3061650	0.21824020	2.7322025	20	3 8.8	20.6
466715 2014 WF_{486}	17.6	X	125.76537	358.15822	58.20686	4.06256	0.1549942	0.23609634	2.5926460	20	3 23.5	21.3
466716 2014 WJ_{488}	18.2	X	305.96577	250.11987	73.14545	2.91397	0.1874801	0.28966753	2.2622270	20	5 30.7	20.5
466717 2014 WQ_{489}	16.2	X	28.25063	273.12969	119.29986	15.58897	0.2809034	0.18321487	3.0701686	20	—	—
466718 2014 WY_{491}	16.3	X	5.75953	130.57756	311.46117	15.13143	0.1883423	0.17956309	3.1116542	20	—	—
466719 2014 WB_{494}	16.1	X	351.75125	340.18501	139.84113	17.77499	0.1659742	0.17568997	3.1572192	20	—	—
466720 2014 WX_{494}	16.2	X	95.54203	258.58731	173.60674	7.71445	0.2095064	0.21133699	2.7913805	20	3 16.3	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466721 2014 WN_{495}	16.0	X	297.30820	14.98501	173.27499	10.23396	0.0645074	0.17425096	3.1745775	20	—	—
466722 2014 WY_{495}	15.6	X	45.73343	256.45086	176.92554	13.79159	0.0305650	0.17474010	3.1686504	20	—	—
466723 2014 WA_{501}	17.2	X	171.77277	312.98895	125.14055	10.30177	0.0882123	0.27620907	2.3351284	20	6 4.0	20.6
466724 2014 WK_{503}	16.5	X	357.95556	279.62073	149.67563	10.44705	0.2621313	0.17781605	3.1320024	20	—	—
466725 2014 XD_{7}	15.6	X	259.26228	177.30764	317.45138	27.38136	0.1484312	0.17210111	3.2009602	20	10 23.5	20.7
466726 2014 XX_{33}	17.8	X	117.49096	14.55734	69.59180	9.42775	0.0774009	0.24405419	2.5359764	20	4 10.8	21.4
466727 2014 XV_{36}	17.4	X	216.02623	309.52104	93.30986	3.99384	0.2235336	0.27617796	2.3353037	20	5 27.5	21.2
466728 2014 YS_{16}	17.0	X	31.59208	44.24039	26.13968	5.95599	0.0896202	0.19194837	2.9763209	20	—	—
466729 2014 YK_{22}	16.9	X	131.43932	283.92619	116.49739	5.49788	0.0779989	0.21221504	2.7836755	20	3 2.7	20.8
466730 2014 YR_{22}	15.6	X	56.10300	308.85837	124.87889	10.70938	0.0665796	0.18389642	3.0625782	20	1 8.5	19.6
466731 2014 YX_{23}	16.7	X	77.42979	178.53220	288.69679	10.13493	0.1157703	0.22263579	2.6961211	20	3 16.0	20.3
466732 2014 YM_{25}	15.0	X	11.49613	321.10928	128.37985	27.97093	0.1240588	0.17937347	3.1138468	20	—	—
466733 2014 YO_{26}	16.9	X	40.84962	73.82477	333.24277	2.43084	0.2515181	0.19223242	2.9733883	20	—	—
466734 2014 YN_{36}	16.6	X	344.20200	175.65200	310.63686	8.95504	0.0377498	0.18707663	3.0277710	20	—	—
466735 2014 YL_{41}	16.2	X	309.74825	70.24578	89.98840	12.99187	0.1052596	0.17450180	3.1715346	20	—	—
466736 2014 YP_{41}	16.2	X	357.31564	295.23794	144.49861	4.44597	0.1100341	0.16928540	3.2363567	20	—	—
466737 2014 YM_{49}	15.6	X	40.88406	137.51467	278.57597	14.38838	0.0771586	0.17605562	3.1528462	20	—	—
466738 2015 AS	17.5	X	161.44282	266.09190	151.19535	10.51064	0.1266950	0.26000077	2.4311941	20	4 29.2	21.3
466739 2015 AS_{3}	16.0	X	116.24987	56.39420	296.51713	7.06780	0.0781537	0.18468791	3.0538221	20	—	—
466740 2015 AN_{11}	16.9	X	164.75770	336.81414	46.88767	12.84175	0.1813682	0.23048317	2.6345710	20	3 27.4	21.3
466741 2015 AO_{12}	16.0	X	287.06740	108.75147	97.08446	27.45390	0.1234971	0.18108230	3.0942262	20	—	—
466742 2015 AB_{15}	15.5	X	97.53284	315.32910	61.30868	14.12275	0.0638068	0.18134202	3.0912710	20	—	—
466743 2015 AA_{23}	17.0	X	142.13677	286.04940	122.57413	9.91401	0.2076526	0.24129363	2.5552818	20	4 6.6	21.2
466744 2015 AQ_{24}	17.9	X	78.04810	37.43015	166.89865	9.85940	0.0610588	0.27766788	2.3269424	20	7 26.7	20.9
466745 2015 AU_{33}	17.0	X	300.06677	51.41181	156.05932	1.09207	0.0063804	0.19914815	2.9041466	20	1 21.6	21.1
466746 2015 AZ_{36}	16.0	X	67.67314	72.94984	297.57383	15.12417	0.1179636	0.17101163	3.2145408	20	—	—
466747 2015 AX_{38}	15.9	X	43.20648	309.62025	83.90431	5.95801	0.1670863	0.17263359	3.1943746	20	—	—
466748 2015 AD_{41}	16.8	X	285.28876	165.41972	106.76619	3.99310	0.0405643	0.22459010	2.6804578	20	3 18.3	20.4
466749 2015 AY_{94}	16.8	X	202.48077	143.05314	195.99588	10.90678	0.0206418	0.23148459	2.6269672	20	2 27.1	20.6
466750 2015 AQ_{106}	17.0	X	113.68045	284.04077	120.67521	4.92804	0.1024226	0.20959932	2.8067871	20	2 18.8	20.9
466751 2015 AA_{107}	16.5	X	63.23453	275.92608	143.76405	0.68511	0.0413460	0.18771167	3.0209384	20	—	—
466752 2015 AJ_{112}	16.8	X	250.99980	79.67660	172.94305	2.10186	0.0499487	0.19374609	2.9578814	20	1 13.7	21.0
466753 2015 AE_{116}	16.7	X	154.03577	253.22122	115.31316	4.78283	0.1119918	0.21156132	2.7894069	20	2 20.2	21.0
466754 2015 AZ_{118}	17.1	X	288.68991	108.13739	154.40904	4.36635	0.0378653	0.21855600	2.7295700	20	3 9.7	20.8
466755 2015 AY_{129}	16.1	X	112.06987	50.10587	302.72203	9.32448	0.1412456	0.18205561	3.0831880	20	—	—
466756 2015 AQ_{131}	16.4	X	25.75789	333.22726	110.52634	10.68362	0.0914395	0.18050118	3.1008637	20	—	—
466757 2015 AC_{133}	17.2	X	189.09970	262.95842	99.74049	4.04402	0.0841482	0.22386078	2.6862764	20	3 18.6	21.2
466758 2015 AU_{133}	16.5	X	160.11564	222.74171	113.30170	10.63430	0.0670287	0.19281545	2.9673913	20	1 16.2	20.8
466759 2015 AX_{133}	16.8	X	225.36408	214.88831	117.08957	9.81918	0.1408948	0.22639213	2.6662150	20	3 17.4	21.1
466760 2015 AE_{138}	16.9	X	120.09375	330.28270	107.89261	7.00093	0.0443858	0.22563947	2.6721408	20	4 2.2	20.6
466761 2015 AE_{141}	17.4	X	290.54091	320.64704	339.20384	3.22002	0.0974940	0.24141887	2.5543981	20	4 17.6	20.7
466762 2015 AP_{143}	16.9	X	303.46764	181.26250	106.02480	10.66766	0.0658831	0.23947826	2.5681792	20	4 30.2	20.3
466763 2015 AM_{145}	16.3	X	184.80802	200.39579	108.32125	11.16262	0.0661082	0.19058721	2.9904753	20	1 10.3	20.8
466764 2015 AD_{148}	16.8	X	105.99317	303.61162	85.76711	4.69039	0.0675059	0.19439557	2.9512894	20	1 18.5	20.9
466765 2015 AR_{151}	16.5	X	260.54622	123.20316	115.72698	9.80475	0.0744644	0.18806068	3.0171996	20	1 6.8	20.9
466766 2015 AD_{155}	16.1	X	231.28664	217.88026	43.94311	2.29427	0.0447476	0.18648888	3.0341293	20	1 5.1	20.5
466767 2015 AU_{165}	16.3	X	313.83058	70.74794	102.41313	0.34773	0.0287091	0.18257371	3.0773523	20	—	—
466768 2015 AU_{173}	16.2	X	123.79238	245.92108	105.82579	7.35421	0.0740952	0.18185228	3.0854858	20	—	—
466769 2015 AG_{192}	16.8	X	245.19567	208.97341	110.07801	6.87961	0.0819263	0.22682354	2.6628332	20	3 25.6	20.7
466770 2015 AS_{203}	15.9	X	208.76570	246.77833	22.72042	7.74404	0.1186425	0.18078286	3.0976419	20	—	—
466771 2015 AF_{205}	16.8	X	176.66792	250.02891	119.53678	6.88974	0.0485631	0.22310673	2.6923257	20	3 12.9	20.7
466772 2015 AL_{210}	17.5	X	108.83102	275.12116	156.98269	12.75075	0.0649420	0.23143985	2.6273058	20	3 10.8	21.0
466773 2015 AY_{210}	16.0	X	328.53424	319.49565	151.47395	12.92026	0.0417130	0.17851859	3.1237798	20	—	—
466774 2015 AG_{243}	15.9	X	140.66957	243.18988	120.79081	20.13332	0.0777282	0.18325131	3.0697616	20	1 30.9	20.5
466775 2015 AK_{252}	16.5	X	5.78826	11.95105	85.74666	4.78275	0.1565929	0.17853010	3.1236456	20	—	—
466776 2015 AV_{252}	16.8	X	226.36237	229.85268	90.14248	8.49402	0.1009527	0.21828247	2.7318498	20	3 6.5	21.1
466777 2015 AV_{257}	16.7	X	295.01084	213.72162	26.36822	4.14186	0.0415900	0.21049043	2.7988598	20	2 19.9	20.6
466778 2015 AN_{258}	17.4	X	358.01489	225.72408	345.70687	4.66092	0.0639339	0.22739473	2.6583722	20	4 2.6	20.5
466779 2015 AD_{259}	15.9	X	54.92825	66.62430	330.76599	8.65435	0.0472480	0.17402487	3.1773265	20	—	—
466780 2015 AV_{260}	16.7	X	247.74727	111.16259	180.06783	8.03163	0.1528488	0.20527156	2.8461002	20	2 14.2	21.2
466781 2015 AH_{274}	16.7	X	247.50022	171.97713	99.50084	12.03064	0.0907103	0.19665005	2.9286895	20	1 30.2	21.2
466782 2015 AO_{278}	16.0	X	10.09904	250.36465	229.27690	3.98480	0.1002748	0.18179595	3.0861231	20	—	—
466783 2015 BM_{5}	16.6	X	1.90091	233.26643	287.06835	12.90509	0.0279915	0.22555101	2.6728394	20	2 1.3	20.1
466784 2015 BH_{7}	17.5	X	29.71457	278.48995	22.77243	2.64135	0.1635665	0.28978676	2.2616064	20	10 14.2	19.9
466785 2015 BV_{7}	16.5	X	17.41427	63.06221	6.73625	3.91256	0.1314949	0.17417349	3.1755187	20	—	—
466786 2015 BY_{12}	17.2	X	157.55403	27.42281	353.16943	12.84241	0.1780488	0.23003324	2.6380052	20	3 11.7	21.5
466787 2015 BO_{15}	16.7	X	187.80517	223.59445	125.91559	6.45977	0.0498609	0.20968327	2.8060379	20	2 29.9	20.8
466788 2015 BW_{17}	16.2	X	86.72852	294.27280	152.50745	16.54679	0.2371462	0.21164346	2.7886851	20	3 31.6	20.1
466789 2015 BS_{18}	15.5	X	193.50329	100.33547	72.78693	7.37846	0.1670842	0.12404583	3.9818167	20	10 10.9	21.8
466790 2015 BZ_{21}	16.1	X	106.31197	218.79715	162.48407	11.59739	0.0872608	0.18007986	3.1056984	20	1 12.7	20.6
466791 2015 BS_{23}	16.0	X	304.85433	29.59111	160.93853	10.53023	0.0441250	0.17738321	3.1370953	20	1 4.9	20.5
466792 2015 BZ_{25}	16.3	X	227.52138	115.63584	148.56244	12.84550	0.0273191	0.17427242	3.1743169	20	1 6.0	21.0
466793 2015 BE_{39}	16.9	X	2.85910	41.39493	76.32866	11.52395	0.0806880	0.18623397	3.0368974	20	—	—
466794 2015 BT_{45}	17.3	X	94.73483	55.46805	7.49444	4.66186	0.1608178	0.21325109	2.7746521	20	2 26.5	20.9
466795 2015 BV_{45}	16.7	X	7.89898	33.22978	76.50037	8.75808	0.0933374	0.18628457	3.0363474	20	—	—
466796 2015 BA_{55}	16.8	X	117.46999	358.98110	35.26399	5.44333	0.2015412	0.21148822	2.7900496	20	2 24.4	20.9
466797 2015 BS_{58}	16.2	X	278.06588	170.92554	95.42097	5.89078	0.0214731	0.21145703	2.7903240	20	3 6.5	20.0
466798 2015 BL_{61}	16.4	X	156.72346	275.81370	88.32845	7.19854	0.0802512	0.20252634	2.8717615	20	2 17.4	20.7
466799 2015 BK_{62}	16.3	X	203.09991	295.94385	345.90304	8.84682	0.0783479	0.17885993	3.1198042	20	—	—
466800 2015 BB_{69}	16.3	X	156.52233	171.97297	171.77520	11.03260	0.1093091	0.19320555	2.9633957	20	1 23.4	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466801 2015 BZ_{72}	17.0	X	308.09483	308.95896	344.84170	7.07809	0.1929203	0.23960446	2.5672773	20	4 17.7	20.2
466802 2015 BE_{78}	17.0	X	242.48060	105.59861	215.09682	3.01799	0.0775424	0.22383985	2.6864439	20	3 20.9	21.0
466803 2015 BB_{82}	15.6	X	359.39540	225.71484	260.86132	8.49844	0.0389051	0.18601684	3.0392601	20	—	—
466804 2015 BV_{85}	16.9	X	77.05595	334.07312	134.40009	10.50560	0.1461977	0.21638908	2.7477623	20	4 1.6	20.5
466805 2015 BB_{87}	16.0	X	313.06649	34.73832	127.63173	8.62394	0.0283480	0.17189090	3.2035693	20	—	—
466806 2015 BF_{88}	16.0	X	338.53311	11.08307	140.88598	24.51806	0.0641403	0.17986561	3.1081642	20	—	—
466807 2015 BY_{89}	15.6	X	252.99714	121.01830	5.39650	4.06196	0.1487437	0.12396298	3.9835906	20	10 11.9	21.3
466808 2015 BO_{93}	15.8	X	37.47594	337.57399	117.08886	14.88506	0.0693753	0.18569172	3.0428067	20	1 8.2	19.7
466809 2015 BA_{96}	16.0	X	239.68284	123.91292	107.67248	23.34450	0.1055513	0.17914358	3.1165102	20	—	—
466810 2015 BD_{99}	16.8	X	59.96969	137.61670	327.02481	1.23220	0.0261948	0.20216045	2.8752256	20	2 14.5	20.6
466811 2015 BX_{99}	15.5	X	134.78371	188.50439	133.29191	6.14787	0.0949660	0.16821075	3.2501262	20	—	—
466812 2015 BT_{120}	16.3	X	141.14506	341.02689	346.04091	8.57027	0.0613504	0.17494550	3.1661698	20	—	—
466813 2015 BF_{128}	16.9	X	262.82003	187.02244	95.46768	4.72949	0.0621057	0.21001119	2.8031161	20	3 2.4	20.9
466814 2015 BA_{129}	16.9	X	295.54456	154.16593	134.90782	4.59645	0.1261113	0.22910586	2.6451192	20	4 9.7	20.4
466815 2015 BE_{132}	16.3	X	242.96535	201.04734	106.21344	5.96975	0.0524175	0.21345165	2.7729138	20	3 11.5	20.4
466816 2015 BK_{133}	16.7	X	180.16823	270.91502	86.41898	4.46253	0.1051176	0.21226597	2.7832303	20	3 4.5	21.0
466817 2015 BS_{147}	15.7	X	46.17119	31.70829	336.94853	9.29377	0.1223158	0.14852783	3.5312692	20	—	—
466818 2015 BU_{148}	16.9	X	191.38229	286.83174	113.72675	8.35852	0.0631232	0.23726170	2.5841495	20	5 8.9	20.7
466819 2015 BX_{157}	15.9	X	86.97343	96.82999	282.07548	15.13013	0.1464737	0.17847456	3.1242935	20	—	—
466820 2015 BW_{158}	16.9	X	232.08410	123.94792	196.02698	5.58781	0.0277043	0.21416940	2.7667151	20	3 12.9	20.7
466821 2015 BL_{159}	16.5	X	305.60436	138.01657	153.42047	13.75550	0.1738126	0.23006831	2.6377371	20	4 22.1	20.0
466822 2015 BN_{167}	16.5	X	119.09386	4.65305	9.56462	2.57314	0.0927313	0.19053071	2.9910664	20	1 20.1	20.8
466823 2015 BX_{167}	16.3	X	211.12692	192.19353	93.46466	5.04832	0.1751389	0.18195916	3.0842774	20	1 10.7	21.5
466824 2015 BP_{180}	16.0	X	24.09892	55.06609	352.92431	9.48671	0.0815271	0.15870594	3.3786297	20	—	—
466825 2015 BK_{189}	16.6	X	166.87175	252.18865	117.92097	6.21910	0.1447423	0.21362033	2.7714539	20	3 8.8	21.0
466826 2015 BG_{190}	16.4	X	38.44602	341.91069	115.45953	4.74748	0.1165149	0.18872310	3.0101352	20	1 14.1	19.8
466827 2015 BH_{194}	16.4	X	233.60587	224.12453	68.45831	3.57998	0.1000330	0.19631442	2.9320266	20	2 9.5	21.0
466828 2015 BV_{198}	16.4	X	211.77021	195.33768	83.16527	2.50837	0.1358675	0.17718347	3.1394525	20	1 4.0	21.3
466829 2015 BV_{203}	16.9	X	184.55581	173.37149	188.80486	3.07800	0.0952966	0.21799002	2.7342925	20	3 11.4	21.2
466830 2015 BB_{204}	17.1	X	118.16582	163.51584	258.48677	2.87091	0.1006256	0.21510635	2.7586751	20	3 13.4	20.9
466831 2015 BT_{212}	16.6	X	32.55796	308.37668	184.25081	4.40090	0.0593092	0.20859937	2.8157498	20	2 12.4	20.1
466832 2015 BC_{215}	16.1	X	175.79839	236.57864	93.84227	15.46198	0.1565779	0.20879139	2.8140231	20	1 30.6	20.8
466833 2015 BG_{216}	16.5	X	33.69484	95.47887	330.11912	8.34053	0.0788167	0.18194296	3.0844605	20	—	—
466834 2015 BV_{218}	17.1	X	104.06364	51.79152	358.63252	7.09304	0.1288608	0.21211330	2.7845655	20	2 18.6	20.9
466835 2015 BU_{223}	16.2	X	234.55359	72.51408	58.73275	3.15322	0.2077998	0.12636610	3.9329250	20	9 24.6	22.2
466836 2015 BV_{224}	17.7	X	184.78468	347.24730	41.89486	2.42040	0.1602326	0.24451504	2.5327889	20	4 14.4	21.7
466837 2015 BR_{228}	16.6	X	332.78339	131.47917	5.73273	5.20195	0.0815874	0.17973345	3.1096877	20	—	—
466838 2015 BX_{230}	16.3	X	311.41294	202.45075	324.71570	8.71257	0.0338712	0.18320435	3.0702862	20	—	—
466839 2015 BF_{244}	16.5	X	288.92539	315.11573	292.44311	6.53698	0.0907661	0.20241920	2.8727748	20	2 12.4	20.5
466840 2015 BR_{244}	16.3	X	38.69454	136.01697	297.53848	7.12366	0.0523135	0.17753138	3.1353495	20	—	—
466841 2015 BL_{247}	17.1	X	157.41136	237.54591	159.02040	3.14237	0.1203142	0.22296437	2.6934716	20	3 28.2	21.2
466842 2015 BZ_{248}	16.5	X	275.95630	158.59722	139.15644	4.85157	0.0729657	0.22306718	2.6926440	20	4 3.9	20.1
466843 2015 BN_{249}	16.9	X	230.42823	195.58841	142.22222	3.29810	0.0876465	0.22285649	2.6943408	20	3 30.5	20.9
466844 2015 BY_{249}	16.7	X	134.56788	271.69013	116.26589	6.82685	0.0802864	0.20216902	2.8751443	20	2 21.1	20.8
466845 2015 BM_{256}	16.5	X	122.71824	88.98621	263.09266	3.72111	0.1276909	0.17961076	3.1111036	20	1 3.3	20.9
466846 2015 BM_{259}	16.6	X	296.66590	109.27008	110.31126	4.21678	0.0229470	0.19241999	2.9714557	20	1 31.5	20.8
466847 2015 BA_{274}	16.4	X	195.34131	48.23881	292.55162	14.31135	0.1387937	0.24063626	2.5599334	20	2 18.8	20.7
466848 2015 BY_{280}	16.2	X	170.00539	127.96674	172.72768	10.97933	0.0175790	0.17820962	3.1273893	20	—	—
466849 2015 BU_{281}	16.7	X	328.97578	59.37268	206.05051	8.15161	0.1217445	0.23622079	2.5917353	20	4 26.9	19.5
466850 2015 BU_{284}	16.0	X	35.00805	281.21716	151.41209	16.98741	0.0789625	0.17806202	3.1291174	20	—	—
466851 2015 BR_{292}	15.9	X	265.00434	98.06660	148.72952	19.36916	0.0961137	0.18091599	3.0961221	20	1 19.1	20.7
466852 2015 BF_{293}	17.5	X	216.48201	210.20826	184.20854	13.75337	0.0359543	0.24721683	2.5143015	20	5 31.0	21.2
466853 2015 BJ_{296}	16.0	X	299.51051	24.91607	165.38195	23.17926	0.1373033	0.17629019	3.1500488	20	—	—
466854 2015 BK_{307}	16.2	X	260.76397	156.18359	85.82314	11.42057	0.0431558	0.18617306	3.0375597	20	1 14.7	20.6
466855 2015 BK_{324}	16.2	X	211.59466	176.27692	116.00734	17.41434	0.1849371	0.18248782	3.0783178	20	1 18.3	21.4
466856 2015 BX_{341}	17.1	X	209.76950	238.83253	112.20668	7.03348	0.0475356	0.21832319	2.7315101	20	3 28.9	21.1
466857 2015 BG_{342}	15.9	X	138.91163	234.88145	111.01611	11.71603	0.0820749	0.17972220	3.1098174	20	1 8.4	20.5
466858 2015 BL_{345}	15.6	X	15.41645	339.43768	89.01584	10.27591	0.0835024	0.17384843	3.1794758	20	—	—
466859 2015 BQ_{345}	16.2	X	108.76022	253.24742	89.71921	11.55134	0.1170961	0.18063943	3.0992814	20	—	—
466860 2015 BP_{347}	17.7	X	287.35481	279.75720	64.51905	6.80666	0.2259369	0.27850794	2.3222608	20	5 24.9	20.3
466861 2015 BJ_{350}	15.9	X	336.25790	38.72267	80.36023	9.82676	0.0556271	0.17259049	3.1949065	20	—	—
466862 2015 BS_{362}	16.7	X	51.31406	356.48733	45.23622	1.57155	0.1385497	0.18135033	3.0911766	20	—	—
466863 2015 BL_{367}	16.2	X	37.24491	119.29170	346.56471	10.63139	0.0643121	0.19907079	2.9048989	20	1 21.9	20.1
466864 2015 BG_{390}	16.9	X	305.43642	142.50616	139.03977	13.94154	0.1227526	0.22422584	2.6833600	20	4 17.9	20.6
466865 2015 BN_{394}	16.1	X	140.60273	332.74479	3.23257	9.22682	0.0811693	0.17528947	3.1620265	20	—	—
466866 2015 BV_{413}	16.3	X	287.59192	238.60774	347.30267	8.17465	0.0293647	0.18947420	3.0021749	20	1 29.4	20.6
466867 2015 BV_{472}	16.9	X	307.27635	124.71428	158.59542	6.72930	0.1814893	0.22962113	2.6411607	20	4 9.7	20.2
466868 2015 BF_{476}	16.2	X	181.13258	181.39041	141.49730	11.56873	0.1053399	0.19171895	2.9786949	20	1 24.1	20.8
466869 2015 BB_{484}	15.9	X	219.21516	262.09166	315.29423	9.18814	0.0191506	0.15378902	3.4502654	20	—	—
466870 2015 BV_{492}	16.6	X	177.70928	133.98942	200.29894	0.69810	0.1048133	0.19337807	2.9616330	20	2 3.2	21.1
466871 2015 BH_{493}	16.7	X	184.70026	7.84638	316.02668	4.83905	0.0299435	0.18993031	2.9973666	20	1 26.9	21.0
466872 2015 BU_{511}	16.4	X	77.77455	307.66530	128.42323	16.05357	0.1273003	0.20656678	2.8341907	20	2 15.9	19.9
466873 2015 CN_{29}	16.4	X	250.42673	182.76717	121.73978	10.14738	0.1343494	0.20944479	2.8081675	20	3 9.5	20.8
466874 2015 CG_{33}	15.3	X	54.16999	244.64152	159.60513	21.85629	0.1169285	0.17338007	3.1851992	20	—	—
466875 2015 CC_{34}	16.9	X	353.97276	216.46179	80.08215	7.42319	0.1120657	0.26997789	2.3709219	20	8 5.1	19.2
466876 2015 CS_{36}	15.8	X	300.92404	185.72626	344.45336	15.32436	0.0150585	0.17406150	3.1768807	20	—	—
466877 2015 CD_{37}	15.8	X	279.64866	104.09195	94.97847	11.64884	0.0652663	0.17852345	3.1237231	20	—	—
466878 2015 CU_{40}	16.4	X	172.54793	268.36823	137.77463	13.73190	0.1966598	0.22984557	2.6394410	20	4 30.6	21.1
466879 2015 CL_{60}	16.0	X	314.15478	95.54671	81.01246	10.09634	0.1250798	0.18109446	3.0940876	20	—	—
466880 2015 DY_{5}	16.1	X	297.28816	58.87042	128.89552	21.08665	0.1727293	0.17493287	3.1663222	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466881 2015 DO_{16}	16.7	X	187.44104	141.81829	179.32810	2.09165	0.0889572	0.19459562	2.9492665	20	1 27.4	21.2
466882 2015 DK_{28}	15.7	X	235.42561	149.35953	124.53171	12.37213	0.0693018	0.17820439	3.1274505	20	1 23.2	20.2
466883 2015 DG_{46}	16.0	X	227.75661	152.97733	137.77171	13.54369	0.1327768	0.17551971	3.1592607	20	1 31.9	21.2
466884 2015 DG_{69}	16.5	X	130.60258	268.22891	100.87416	3.67818	0.0595612	0.18203615	3.0834077	20	1 23.9	20.8
466885 2015 DJ_{79}	17.0	X	198.76801	298.42670	74.21816	4.53136	0.2308131	0.22586141	2.6703900	20	4 8.4	21.7
466886 2015 DU_{97}	15.8	X	154.44498	225.72487	146.03132	11.45225	0.0940252	0.18711493	3.0273578	20	2 25.0	20.3
466887 2015 DP_{100}	15.7	X	77.41712	300.09712	95.42387	11.78402	0.0384990	0.17710813	3.1403427	20	—	—
466888 2015 DK_{112}	16.3	X	334.37384	74.50858	92.52028	12.51719	0.0316462	0.18397750	3.0616784	20	1 14.5	20.5
466889 2015 DP_{112}	15.8	X	102.33054	281.40866	89.80578	11.58881	0.1031956	0.17511921	3.1640757	20	—	—
466890 2015 DE_{113}	15.9	X	273.31754	114.18892	95.85913	11.26426	0.0900210	0.17027074	3.2238590	20	—	—
466891 2015 DW_{145}	16.0	X	246.23257	343.40070	253.78369	4.14934	0.0896930	0.17781837	3.1319751	20	—	—
466892 2015 DC_{146}	17.3	X	285.26097	139.40803	174.15760	4.64598	0.0656514	0.24224339	2.5485985	20	5 6.8	20.6
466893 2015 DM_{147}	16.4	X	21.47340	261.25406	181.76635	9.19126	0.0761176	0.17536098	3.1611667	20	—	—
466894 2015 DR_{148}	15.9	X	17.05156	180.09207	271.80852	4.79477	0.0501721	0.17530682	3.1618178	20	—	—
466895 2015 DS_{148}	16.2	X	211.90306	54.96960	282.09401	4.89468	0.0981386	0.21649750	2.7468448	20	3 6.6	20.5
466896 2015 DY_{156}	16.6	X	97.65091	287.54398	122.53990	10.91735	0.2648247	0.21230603	2.7828801	20	3 1.4	20.5
466897 2015 DA_{157}	16.9	X	156.56321	268.99151	118.96675	7.20864	0.0453065	0.22073592	2.7115693	20	3 12.9	20.8
466898 2015 DF_{169}	15.6	X	293.70840	339.48290	226.79349	18.33161	0.0742512	0.18530353	3.0470547	20	1 2.4	20.2
466899 2015 DR_{173}	15.9	X	87.60392	326.44046	78.29988	10.49782	0.0939614	0.17763088	3.1341786	20	1 21.2	20.3
466900 2015 EZ_{11}	16.7	X	167.00453	9.33421	15.72252	9.12857	0.1245401	0.21952304	2.7215479	20	3 24.6	20.8
466901 2015 EG_{13}	16.6	X	155.63570	14.91503	15.39378	5.39990	0.0356989	0.20995003	2.8036605	20	3 13.5	20.4
466902 2015 EJ_{13}	15.9	X	265.68701	283.43947	351.91030	10.39784	0.0592558	0.20279165	2.8692562	20	2 26.7	20.0
466903 2015 EE_{15}	15.9	X	50.28682	65.69859	354.81240	15.94373	0.1140181	0.17410758	3.1763200	20	—	—
466904 2015 ED_{17}	15.7	X	132.94208	350.42984	351.74694	18.09671	0.0508347	0.17179866	3.2047159	20	—	—
466905 2015 EO_{17}	15.9	X	173.72879	211.93110	106.23052	11.16665	0.0729557	0.17762959	3.1341938	20	1 12.2	20.5
466906 2015 EB_{19}	16.9	X	327.26726	55.60694	94.60922	13.99522	0.1189031	0.17251529	3.1958348	20	—	—
466907 2015 EL_{24}	16.0	X	143.40054	337.50425	4.38661	10.56085	0.0965169	0.17247805	3.1962948	20	1 13.4	20.9
466908 2015 EW_{31}	16.6	X	208.15010	246.86016	123.67310	6.70768	0.1027414	0.22083641	2.7107467	20	4 18.2	20.8
466909 2015 EM_{46}	15.8	X	199.11180	92.28104	161.28849	6.00026	0.0502625	0.14772079	3.5441191	20	—	—
466910 2015 FA_{1}	16.2	X	235.78776	266.25332	39.44028	7.89031	0.0254509	0.20901543	2.8120119	20	3 5.0	20.2
466911 2015 FZ_{1}	16.0	X	118.30569	337.18153	51.59322	11.36403	0.0412975	0.19047236	2.9916773	20	2 1.8	20.4
466912 2015 FL_{2}	15.9	X	129.94888	341.83577	37.32683	12.10916	0.0288317	0.18931767	3.0038295	20	2 3.4	20.4
466913 2015 FS_{2}	16.6	X	8.08970	66.61157	89.41999	10.75668	0.0203113	0.19521910	2.9429836	20	2 15.1	20.7
466914 2015 FM_{3}	15.8	X	232.97076	207.44024	111.99867	18.46783	0.0761152	0.20882096	2.8137574	20	3 18.3	20.3
466915 2015 FG_{319}	16.2	X	252.27279	190.78406	132.07218	9.48419	0.2632814	0.18542020	3.0457764	20	3 23.9	21.3
466916 2015 HY_{5}	14.1	X	278.09800	104.94955	315.40900	12.16966	0.0413425	0.08143091	5.2716092	20	9 1.0	21.0
466917 2015 LW_{2}	13.5	X	302.43309	343.50140	80.16526	17.50044	0.0367725	0.08497627	5.1239429	20	10 15.4	20.4
466918 2015 TB_{107}	16.2	X	305.80502	227.54679	204.20599	11.01075	0.0960677	0.19152842	2.9806700	20	11 6.1	19.9
466919 2015 UP_{66}	16.0	X	136.83929	204.29465	106.59157	15.86325	0.1089843	0.24043021	2.5613958	20	—	—
466920 2015 WK_{10}	16.4	X	301.62253	264.65477	133.15289	12.80002	0.2563220	0.17567885	3.1573524	20	8 22.5	20.0
466921 2015 XW_{68}	16.1	X	235.42094	29.97495	93.28367	12.29359	0.0889150	0.17444300	3.1722472	20	10 10.5	20.9
466922 2015 XB_{168}	17.3	X	351.93256	288.37595	212.00523	12.03418	0.2109645	0.22378898	2.6868510	20	—	—
466923 2015 XD_{168}	16.3	X	11.31856	214.20593	231.19191	12.62814	0.1665166	0.20982321	2.8047901	20	—	—
466924 2015 YU_{4}	16.4	X	297.71713	177.49412	256.80509	8.72274	0.1827659	0.18782098	3.0197662	20	10 12.7	20.1
466925 2015 YC_{9}	16.0	X	325.79984	136.44044	289.44836	7.96899	0.0900251	0.17643533	3.1483211	20	11 23.4	20.1
466926 2016 AE	17.5	X	98.78482	257.63665	171.46370	2.37450	0.1847683	0.26855939	2.3792632	20	3 6.5	20.3
466927 2016 AQ_{7}	15.7	X	12.89740	255.82526	100.63553	16.90772	0.2276362	0.17794661	3.1304701	20	11 29.3	19.6
466928 2016 AP_{24}	16.3	X	62.22898	212.60175	123.49229	8.50225	0.1332969	0.18373697	3.0643499	20	12 22.5	20.8
466929 2016 AF_{41}	16.4	X	312.20571	5.93541	72.21215	0.59840	0.0826278	0.17973771	3.1096386	20	11 20.8	20.3
466930 2016 AL_{43}	15.9	X	64.82030	66.34220	278.79274	10.57637	0.0273587	0.18943132	3.0026280	20	12 23.9	20.2
466931 2016 AV_{46}	16.7	X	85.06749	218.42333	122.10959	3.21696	0.0632551	0.19989042	2.8969527	20	—	—
466932 2016 AN_{47}	17.3	X	358.31754	36.07707	102.91761	5.09579	0.1739491	0.23658095	2.5891042	20	—	—
466933 2016 AF_{51}	17.6	X	330.45012	286.35527	294.55421	1.44670	0.1623772	0.26296154	2.4129106	20	2 15.6	20.2
466934 2016 AR_{52}	15.8	X	237.42053	280.10730	293.21246	13.63934	0.1016842	0.20377887	2.8599819	20	—	—
466935 2016 AO_{75}	16.7	X	321.68094	308.18455	157.85848	12.72881	0.1251074	0.18644492	3.0346063	20	—	—
466936 2016 AF_{93}	17.2	X	41.99951	94.96051	317.16283	8.93523	0.1402023	0.21540432	2.7561305	20	—	—
466937 2016 AC_{95}	15.9	X	304.96714	162.44086	303.54525	14.76076	0.1703426	0.18294101	3.0732319	20	12 9.9	19.5
466938 2016 AZ_{113}	18.5	X	65.18683	134.65264	348.63553	2.20604	0.1704159	0.26503459	2.4003119	20	3 28.6	20.9
466939 2016 AR_{117}	17.6	X	53.10789	218.40012	297.59858	6.92829	0.0961989	0.26997593	2.3709334	20	4 9.8	20.4
466940 2016 AT_{120}	16.7	X	30.07879	150.79906	321.92818	12.99488	0.2059712	0.23483732	2.6019042	20	1 10.8	19.1
466941 2016 AA_{124}	17.3	X	61.59336	356.71766	83.40141	5.66231	0.2627868	0.24064752	2.5598536	20	2 8.1	19.5
466942 2016 AR_{126}	16.7	X	89.46629	310.29738	131.70552	15.33817	0.0569254	0.23765970	2.5812636	20	2 26.2	20.0
466943 2016 AS_{126}	17.7	X	31.16450	157.46313	44.57582	5.94428	0.1354645	0.26825781	2.3810461	20	5 18.8	19.9
466944 2016 AU_{126}	17.3	X	46.69755	29.92969	88.53378	8.45120	0.1533427	0.23819499	2.5773949	20	2 21.9	20.0
466945 2016 AX_{126}	16.5	X	6.73425	38.11952	104.53600	12.09978	0.1363579	0.22302864	2.6929541	20	1 11.5	19.5
466946 2016 AB_{127}	16.4	X	278.47322	147.96949	78.64517	10.36610	0.1028484	0.21052518	2.7985518	20	1 5.1	20.5
466947 2016 AE_{127}	16.1	X	280.15126	136.98092	18.18589	16.85885	0.1738442	0.17470419	3.1690846	20	12 28.2	20.3
466948 2016 AL_{127}	15.6	X	244.93738	96.59861	123.25848	16.88836	0.0527571	0.18553878	3.0444785	20	—	—
466949 2016 AN_{127}	16.8	X	258.76258	186.66773	55.94683	12.28220	0.0416118	0.21181853	2.7871484	20	1 9.5	20.9
466950 2016 AR_{127}	16.9	X	21.87245	27.70387	110.51510	15.71680	0.0598823	0.22751447	2.6574394	20	2 3.4	20.1
466951 2016 AA_{128}	15.8	X	250.86766	167.84190	36.75412	14.84347	0.0936833	0.17851045	3.1238748	20	—	—
466952 2016 AB_{128}	17.0	X	3.11039	130.58656	26.85780	13.66556	0.1935915	0.22657906	2.6647484	20	1 23.2	20.0
466953 2016 AH_{128}	15.3	X	308.71057	21.24468	76.17747	16.48463	0.1209604	0.15563513	3.4229269	20	12 1.3	19.5
466954 2016 AB_{129}	16.3	X	296.60509	132.56227	37.72175	11.96612	0.0538680	0.19024129	2.9940993	20	—	—
466955 2016 AF_{129}	16.4	X	105.40464	274.73441	118.08336	14.11070	0.0476205	0.21121355	2.7924679	20	1 15.8	20.1
466956 2016 AO_{129}	16.8	X	11.69951	138.59720	10.48923	13.17652	0.1739238	0.23001435	2.6381497	20	1 30.5	19.7
466957 2016 AX_{172}	15.8	X	341.95893	151.32225	286.17099	16.14501	0.1682869	0.19051811	2.9911983	20	—	—
466958 2016 AB_{173}	15.3	X	233.76357	278.62826	284.66834	23.60140	0.2316210	0.17625316	3.1504900	20	12 20.3	20.1
466959 2016 AA_{179}	16.0	X	223.77590	338.51325	304.36993	21.30522	0.2365622	0.21236332	2.7823796	20	1 14.8	20.9
466960 2016 AR_{180}	16.7	X	319.39325	295.20402	260.79186	7.70986	0.0998674	0.22696830	2.6617008	20	1 12.7	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
466961 2016 AT_{183}	16.2	X	318.45905	216.98920	242.96767	12.93056	0.0422378	0.17097697	3.2149752	20	12 24.2	20.6
466962 2016 AR_{185}	16.5	X	333.99250	251.35343	323.20717	13.71831	0.0890532	0.25871968	2.4392130	20	2 22.7	19.2
466963 2016 AF_{187}	16.7	X	355.41043	300.32269	293.49437	7.77926	0.0796106	0.29095022	2.2555732	20	4 22.6	19.1
466964 2016 AP_{187}	17.9	X	116.79191	166.53585	296.66788	7.53507	0.1323501	0.29199819	2.2501732	20	5 3.7	21.0
466965 2016 AR_{187}	17.5	X	50.12215	234.07725	296.06648	7.02684	0.0830544	0.28529470	2.2852844	20	4 23.8	20.0
466966 2016 AT_{192}	17.8	X	290.73195	27.22971	21.95913	20.85914	0.0862517	0.37634045	1.8999789	20	10 23.0	18.9
466967 2016 BJ_{4}	16.6	X	352.26129	299.40575	179.28507	4.98582	0.0655263	0.21996003	2.7179421	20	—	—
466968 2016 BP_{6}	16.3	X	34.08797	296.82033	163.03975	16.95603	0.0841136	0.21938423	2.7226957	20	1 2.4	19.9
466969 2016 BQ_{7}	15.6	X	294.88310	221.07940	287.16779	10.05187	0.0571696	0.17916420	3.1162711	20	—	—
466970 2016 BE_{8}	16.9	X	227.45725	357.04369	308.01099	10.82468	0.0267435	0.23476279	2.6024549	20	2 14.4	20.5
466971 2016 BH_{8}	16.1	X	321.28321	175.65948	313.41742	8.91492	0.1260409	0.18795560	3.0183241	20	—	—
466972 2016 BQ_{8}	16.0	X	327.59795	139.60603	309.29402	9.95032	0.1895175	0.17367852	3.1815491	20	12 27.3	19.4
466973 2016 BR_{8}	17.3	X	48.53640	231.04914	280.61380	5.88276	0.0585804	0.25450114	2.4660936	20	3 24.7	20.3
466974 2016 BN_{10}	17.6	X	57.92356	351.65717	168.94761	6.43713	0.1018722	0.26480545	2.4016964	20	5 2.4	20.2
466975 2016 BK_{11}	17.1	X	306.56600	92.83182	162.25070	13.24828	0.2321677	0.23631713	2.5910308	20	2 19.8	20.7
466976 2016 BM_{11}	18.1	X	94.20481	155.75338	328.31949	4.06495	0.1909165	0.27255905	2.3559296	20	5 14.9	21.2
466977 2016 BH_{14}	18.0	X	134.93794	311.65469	282.30434	16.92488	0.0841164	0.37249124	1.9130457	20	12 8.5	20.3
466978 2016 BV_{16}	18.0	X	79.69522	115.92214	341.09975	1.82715	0.1773394	0.26537453	2.3982616	20	3 16.1	20.5
466979 2016 BC_{17}	17.6	X	69.71370	102.01292	309.31747	7.32032	0.1513768	0.23653341	2.5894511	20	—	—
466980 2016 BE_{17}	16.8	X	334.86044	311.52492	102.89328	2.60950	0.1562169	0.17769186	3.1334615	20	11 26.1	20.4
466981 2016 BJ_{22}	18.2	X	58.99875	203.82279	303.42598	1.55333	0.1486666	0.27278271	2.3546416	20	4 17.9	20.5
466982 2016 BU_{24}	17.5	X	61.17920	120.20713	323.77685	7.89899	0.1121465	0.24454653	2.5325715	20	1 22.4	20.2
466983 2016 BZ_{29}	16.4	X	4.96342	171.23704	320.99589	12.81058	0.1226938	0.23007657	2.6376740	20	—	—
466984 2016 BV_{33}	16.8	X	0.24311	53.08585	29.53895	2.24472	0.0400945	0.20378217	2.8599510	20	—	—
466985 2016 BW_{33}	16.3	X	303.10741	147.21603	315.55758	8.52476	0.0665316	0.18039751	3.1020516	20	12 8.9	20.4
466986 2016 BF_{39}	18.1	X	135.95496	272.93237	330.56064	16.96305	0.1040911	0.38076821	1.8852210	20	12 26.1	20.7
466987 2016 BD_{46}	16.4	X	350.41077	119.54498	276.30223	6.71432	0.1187070	0.17559198	3.1583937	20	11 24.9	20.3
466988 2016 BE_{51}	16.2	X	235.37161	79.62332	128.02340	12.34616	0.0709022	0.19960412	2.8997221	20	—	—
466989 2016 BQ_{51}	16.7	X	149.67640	25.20070	281.12510	5.10912	0.0413240	0.20844511	2.8171387	20	—	—
466990 2016 BN_{53}	17.3	X	304.95764	310.42674	151.50791	5.56219	0.2513950	0.18210178	3.0826669	20	11 27.9	20.3
466991 2016 BT_{59}	17.1	X	82.66410	172.20411	316.09712	6.85378	0.0424038	0.27402191	2.3475374	20	4 7.9	20.1
466992 2016 BY_{66}	15.9	X	299.01360	280.14474	289.56027	12.07008	0.1224678	0.22826690	2.6515964	20	1 2.5	19.4
466993 2016 CQ_{4}	17.7	X	100.51338	281.71387	153.29590	6.73596	0.1482442	0.26280257	2.4138835	20	3 12.9	20.5
466994 2016 CN_{18}	16.9	X	121.98024	24.50174	320.97778	4.39458	0.0763015	0.22302269	2.6930021	20	—	—
466995 2016 CR_{18}	17.3	X	303.45589	189.52091	50.45922	2.43844	0.1774807	0.25445912	2.4663651	20	2 3.8	20.5
466996 2016 CZ_{22}	19.0	X	35.49630	161.92353	329.84993	5.27358	0.3305705	0.24799728	2.5090237	20	2 25.4	19.8
466997 2016 CO_{23}	16.0	X	278.16188	160.36740	317.58462	16.86921	0.2303179	0.17388170	3.1790703	20	10 22.1	20.5
466998 2016 CU_{27}	16.1	X	276.38492	41.52512	122.82633	14.52691	0.1271473	0.17824719	3.1269498	20	—	—
466999 2016 CX_{27}	17.9	X	150.41630	59.42815	18.29579	10.90128	0.0814538	0.28041431	2.3117237	20	5 4.1	21.1
467000 2016 CL_{63}	16.1	X	134.56420	211.78668	112.05577	11.08708	0.0937929	0.19317884	2.9636688	20	—	—
467001 2016 CT_{63}	17.0	X	331.65105	88.54207	105.52783	10.77998	0.1323026	0.23311154	2.6147301	20	1 22.9	20.1
467002 2016 CW_{66}	16.1	X	320.55253	118.40127	342.17775	9.80976	0.0909371	0.18056384	3.1001463	20	—	—
467003 2016 CV_{72}	17.4	X	16.32383	64.64709	72.98839	2.03224	0.1466459	0.23091110	2.6313150	20	1 19.6	20.1
467004 2016 CY_{72}	17.4	X	44.49770	333.51129	131.60351	6.17503	0.0159928	0.22482747	2.6785709	20	1 21.4	21.0
467005 2016 CK_{81}	18.0	X	67.39685	73.95433	21.49897	6.29785	0.0601406	0.24488039	2.5302691	20	2 12.7	21.1
467006 2016 CC_{90}	17.0	X	1.98945	99.64732	16.93157	12.76651	0.1370015	0.21507006	2.7589854	20	—	—
467007 2016 CS_{103}	15.6	X	333.34867	271.34351	157.45950	21.85707	0.1142486	0.17450094	3.1715450	20	12 12.5	20.0
467008 2016 CP_{107}	17.0	X	318.30523	2.04399	178.43412	8.99559	0.1034856	0.22319280	2.6916335	20	—	—
467009 2016 CT_{119}	17.0	X	339.80820	326.13723	170.13400	10.61061	0.0643244	0.21105965	2.7938253	20	—	—
467010 2016 CQ_{120}	16.4	X	299.35490	351.31909	180.26479	7.38601	0.1685376	0.20198305	2.8769088	20	—	—
467011 2016 CX_{130}	15.7	X	211.48772	253.42307	329.69164	7.95887	0.0525262	0.17415353	3.1757614	20	—	—
467012 2016 CM_{131}	16.9	X	315.05220	299.70525	186.06422	1.72362	0.0725323	0.18382395	3.0633831	20	—	—
467013 2016 CF_{132}	17.4	X	62.84004	97.74298	337.25768	5.54877	0.0428557	0.22089342	2.7102802	20	1 11.3	21.0
467014 2016 CH_{133}	16.9	X	112.87406	261.35085	96.42296	7.25815	0.0746180	0.21141190	2.7907211	20	—	—
467015 2016 CC_{143}	17.6	X	1.22627	95.89455	143.27712	5.49491	0.1951655	0.26428304	2.4048603	20	5 17.8	19.4
467016 2016 CF_{143}	16.1	X	309.27297	336.10006	157.89505	12.14388	0.2421458	0.18458554	3.0549511	20	—	—
467017 2016 CJ_{144}	16.0	X	202.84285	286.02308	323.51464	23.80172	0.2496567	0.17974415	3.1095643	20	—	—
467018 2016 CM_{149}	16.1	X	326.85866	310.48619	166.91691	10.57038	0.0812030	0.17866442	3.1220798	20	—	—
467019 2016 CY_{149}	16.5	X	216.75631	246.47915	94.84361	4.44913	0.1917826	0.24660433	2.5184630	20	3 16.1	20.6
467020 2016 CG_{150}	16.5	X	309.42363	359.75691	145.25709	10.54634	0.0841977	0.18486940	3.0518232	20	—	—
467021 2016 CJ_{150}	17.0	X	193.88319	267.67630	77.33810	4.12357	0.0279467	0.23766291	2.5812404	20	2 28.4	20.6
467022 2016 CE_{151}	16.4	X	235.07475	243.93413	310.44589	8.03833	0.1999637	0.17955764	3.1117173	20	12 14.3	21.1
467023 2016 CY_{166}	17.9	X	32.04672	75.70693	126.32809	3.04447	0.1012278	0.28722691	2.2750239	20	5 17.9	20.0
467024 2016 CY_{172}	17.2	X	296.50133	134.62257	125.14539	3.11330	0.1569458	0.26415220	2.4056544	20	2 22.5	20.2
467025 2016 CQ_{185}	16.3	X	176.30388	62.06562	196.96005	11.60904	0.0098654	0.18941126	3.0028399	20	—	—
467026 2016 CX_{188}	17.5	X	77.51922	98.50633	351.50994	12.76479	0.1336373	0.23874020	2.5734694	20	3 1.5	20.6
467027 2016 CZ_{188}	17.8	X	337.83405	147.86740	9.99345	2.66225	0.1032443	0.20986793	2.8043916	20	—	—
467028 2016 CD_{189}	17.0	X	26.93345	306.22981	161.61852	4.74351	0.0621128	0.21066703	2.7972954	20	1 3.9	20.5
467029 2016 CJ_{189}	17.0	X	263.65178	293.25541	359.16441	13.38701	0.1782435	0.23350800	2.6117697	20	3 1.6	21.1
467030 2016 CQ_{196}	17.4	X	17.58762	171.38409	340.71143	9.71547	0.0567047	0.23970212	2.5665800	20	2 13.8	20.4
467031 2016 CK_{198}	17.6	X	273.11103	81.39798	174.39040	3.50764	0.0350222	0.24119756	2.5559603	20	2 6.8	21.1
467032 2016 CJ_{209}	15.6	X	330.60337	107.67878	348.85142	7.34798	0.0407968	0.17805937	3.1291484	20	—	—
467033 2016 CO_{209}	17.3	X	65.75265	70.87766	15.74270	2.84821	0.0161421	0.23140634	2.6275594	20	1 25.8	20.7
467034 2016 CS_{210}	17.0	X	339.17210	167.56166	84.94916	2.37586	0.2241824	0.26414621	2.4056907	20	4 10.6	19.1
467035 2016 CB_{211}	16.0	X	160.43858	126.11284	149.14315	15.80351	0.0266047	0.17886789	3.1197117	20	—	—
467036 2016 CS_{211}	15.6	X	108.67395	343.29411	337.65880	15.18117	0.0590565	0.17506182	3.1647671	20	—	—
467037 2016 CN_{213}	17.5	X	321.66512	79.84272	133.15658	5.55145	0.1661625	0.23363894	2.6107938	20	1 27.5	20.7
467038 2016 CA_{214}	17.6	X	22.44221	80.73745	102.25228	2.38571	0.1179216	0.25907189	2.4370018	20	4 3.0	19.8
467039 2016 CM_{214}	16.6	X	202.36872	291.31353	343.44507	5.54170	0.0535971	0.20128556	2.8835510	20	—	—
467040 2016 CN_{215}	16.0	X	12.05167	280.05164	128.45160	10.05266	0.0789352	0.17466201	3.1695949	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467041 2016 CP_{216}	17.5	X	25.07540	62.88754	30.68045	3.56010	0.1658183	0.21764241	2.7372032	20	—	—
467042 2016 CG_{217}	16.5	X	133.52036	201.81671	129.97381	13.05667	0.0529902	0.19791413	2.9162059	20	—	—
467043 2016 CF_{220}	16.3	X	247.15495	59.30329	143.86478	17.39998	0.1653425	0.18224206	3.0810847	20	—	—
467044 2016 CA_{247}	18.2	X	337.75166	124.25757	270.99894	17.88010	0.1176753	0.37814335	1.8939350	20	—	—
467045 2016 CE_{255}	15.4	X	251.03644	202.11943	344.76413	18.06280	0.0895376	0.17590656	3.1546271	20	—	—
467046 2016 CM_{255}	16.2	X	97.14803	173.35401	135.46838	16.01457	0.0119102	0.17859313	3.1229106	20	12 15.9	20.9
467047 2016 CX_{258}	16.7	X	303.44155	139.45604	143.49516	13.82318	0.2579294	0.22885572	2.6470463	20	3 24.5	20.3
467048 2016 CA_{259}	16.3	X	251.22917	66.46950	207.00792	14.54335	0.1174380	0.20335855	2.8639214	20	1 28.2	21.0
467049 2016 DV_{2}	17.2	X	52.09820	205.29724	279.80002	12.85085	0.1858540	0.25625259	2.4548439	20	3 1.8	19.9
467050 2016 DR_{3}	16.9	X	94.33856	238.70131	156.11793	13.87897	0.0462774	0.22097650	2.7096009	20	1 1.9	20.8
467051 2016 DY_{5}	15.7	X	273.04870	213.31826	316.79075	8.33472	0.0278601	0.17935186	3.1140970	20	—	—
467052 2016 DN_{6}	16.3	X	259.31547	263.88762	349.47879	12.23152	0.0673274	0.22191292	2.7019729	20	1 21.8	20.4
467053 2016 DO_{6}	16.6	X	286.76608	0.21943	139.47027	6.77439	0.2372124	0.17592041	3.1544615	20	12 11.6	20.3
467054 2016 DP_{6}	17.1	X	55.36977	103.76524	341.68822	13.13079	0.1803422	0.23264984	2.6181883	20	1 26.6	19.8
467055 2016 DT_{6}	16.4	X	61.38520	325.19725	135.11049	15.16414	0.0143966	0.23371234	2.6102471	20	2 5.2	19.7
467056 2016 DU_{6}	17.4	X	49.80287	90.31312	104.88805	6.73483	0.0503915	0.28446532	2.2897242	20	5 31.9	19.9
467057 2016 DJ_{8}	17.2	X	332.97726	294.73230	322.82714	3.49689	0.0910340	0.27059247	2.3673306	20	4 21.6	19.6
467058 2016 DB_{10}	16.9	X	238.51785	290.65433	325.76314	2.66899	0.0458960	0.21324364	2.7747167	20	1 2.2	20.8
467059 2016 DR_{12}	18.2	X	96.01657	333.34237	169.39792	4.48194	0.1213597	0.28527879	2.2853693	20	6 4.4	21.0
467060 2016 DA_{13}	16.0	X	299.92053	313.59889	166.47210	9.64540	0.1009568	0.17348097	3.1839640	20	12 22.0	20.2
467061 2016 DJ_{13}	16.6	X	259.15630	220.70427	324.94076	7.95859	0.0105549	0.18442137	3.0567638	20	—	—
467062 2016 DA_{15}	16.5	X	290.59792	353.80528	193.39069	11.03244	0.1168026	0.20308559	2.8664870	20	—	—
467063 2016 DC_{15}	16.5	X	286.37260	304.13451	323.56297	12.00763	0.2475340	0.23299414	2.6156084	20	2 12.6	20.3
467064 2016 DD_{15}	17.8	X	329.73935	10.76575	241.30954	3.62629	0.0550251	0.26535769	2.3983631	20	4 13.7	20.5
467065 2016 DY_{15}	15.8	X	170.10600	329.37924	308.58462	8.09974	0.0570519	0.17899345	3.1182526	20	—	—
467066 2016 DG_{16}	17.6	X	92.23746	24.03696	100.39924	6.11594	0.1995764	0.27562282	2.3384384	20	5 17.2	20.6
467067 2016 DC_{19}	17.3	X	354.50394	343.67808	172.31142	2.79251	0.0659033	0.22511003	2.6763289	20	1 15.6	20.6
467068 2016 DD_{19}	17.5	X	314.58035	16.79337	182.09998	1.52582	0.0180799	0.22573036	2.6714234	20	1 22.9	20.9
467069 2016 DF_{19}	17.9	X	4.01117	305.28777	289.82621	1.33780	0.1844633	0.26893675	2.3770370	20	5 15.1	19.5
467070 2016 DN_{19}	17.2	X	52.03053	139.31541	326.51484	4.22734	0.0731277	0.23301650	2.6154411	20	2 4.5	20.2
467071 2016 DW_{19}	18.0	X	39.12967	329.91832	165.30326	3.76658	0.1292577	0.24309321	2.5426554	20	2 24.9	20.5
467072 2016 DE_{20}	17.2	X	279.80992	290.77866	309.84690	1.31091	0.0171177	0.22933674	2.6433437	20	1 31.7	20.9
467073 2016 DF_{20}	17.7	X	332.98230	74.79858	178.44424	3.50989	0.0949041	0.26596693	2.3946991	20	4 17.7	20.2
467074 2016 DG_{20}	16.9	X	241.40638	28.71491	229.12008	0.93244	0.0486641	0.21290149	2.7776888	20	1 6.7	20.9
467075 2016 DM_{20}	17.6	X	119.73275	239.60418	208.53232	0.89028	0.1702027	0.27316326	2.3524543	20	4 24.9	20.8
467076 2016 DQ_{20}	17.9	X	2.34259	226.51603	46.56126	1.38666	0.1868413	0.29013794	2.2597811	20	7 21.2	19.1
467077 2016 DM_{23}	17.8	X	63.68587	325.61004	345.73513	20.20141	0.0406558	0.36917546	1.9244834	20	12 30.8	20.4
467078 2016 DQ_{23}	16.0	X	28.22881	265.44649	141.92507	8.53403	0.0254803	0.17851574	3.1238131	20	—	—
467079 2016 DS_{26}	17.5	X	153.24967	347.84285	68.73406	7.02577	0.1040273	0.26803531	2.3823636	20	4 16.6	20.9
467080 2016 DX_{26}	16.4	X	289.81387	76.93188	72.26474	2.45173	0.1226118	0.17792887	3.1306783	20	—	—
467081 2016 DD_{27}	18.0	X	113.93637	19.41766	107.29051	5.86424	0.0956182	0.28634861	2.2796736	20	6 1.5	20.9
467082 2016 DO_{27}	18.1	X	109.30651	86.72385	77.66780	4.95454	0.0790222	0.30393432	2.1908680	20	7 18.5	20.8
467083 2016 DP_{27}	18.4	X	110.58924	78.73587	33.89202	6.24397	0.1076567	0.27749173	2.3279270	20	5 8.3	21.4
467084 2016 DZ_{29}	17.7	X	215.77283	292.55617	97.98449	9.57035	0.1170097	0.28842851	2.2687010	20	5 19.2	21.0
467085 2016 EB_{4}	16.8	X	0.19128	325.97261	176.74458	8.53849	0.0947024	0.22153793	2.7050211	20	1 4.3	20.2
467086 2016 EZ_{4}	16.3	X	233.85595	250.08578	355.02393	8.40186	0.0822480	0.18394343	3.0620565	20	—	—
467087 2016 EB_{5}	16.1	X	278.59727	196.50485	344.68427	4.52950	0.0924575	0.17824683	3.1269541	20	—	—
467088 2016 EH_{6}	17.5	X	273.36336	260.60063	169.90135	22.57453	0.1140476	0.36797027	1.9286832	20	10 27.5	19.2
467089 2016 EW_{7}	17.8	X	99.10921	144.32031	3.78387	3.60524	0.1102860	0.27749792	2.3278923	20	6 13.4	20.8
467090 2016 EX_{7}	17.6	X	40.97773	212.40992	10.62634	6.68047	0.1555716	0.27768997	2.3268189	20	7 16.6	20.0
467091 2016 EY_{7}	18.2	X	61.12879	5.87097	185.62264	5.48168	0.1056304	0.27645014	2.3337706	20	6 21.4	20.9
467092 2016 EU_{9}	17.9	X	124.98319	43.61085	52.17541	6.40431	0.1333010	0.27873528	2.3209979	20	5 7.1	21.0
467093 2016 ES_{10}	17.6	X	16.29634	120.38463	24.27220	15.10986	0.2106388	0.23301734	2.6154348	20	1 31.8	20.3
467094 2016 EV_{11}	17.1	X	319.32627	93.35075	97.93604	13.33849	0.1303987	0.21684577	2.7439030	20	1 5.1	20.6
467095 2016 EY_{14}	16.6	X	67.36925	12.07982	107.14539	15.88141	0.0502080	0.24446238	2.5331527	20	3 19.5	20.1
467096 2016 EA_{19}	16.3	X	184.78158	270.14172	83.78762	12.62348	0.0998956	0.23460425	2.6036272	20	3 6.8	20.5
467097 2016 ED_{22}	16.8	X	344.45380	348.68518	250.71411	10.75474	0.1203979	0.25331995	2.4737537	20	4 10.6	19.7
467098 2016 EF_{22}	16.6	X	4.51862	284.46209	249.64710	10.36846	0.1268002	0.23232334	2.6206407	20	2 13.4	19.7
467099 2016 EB_{30}	17.0	X	333.13997	191.77768	53.06003	8.76530	0.1150520	0.25820133	2.4424765	20	4 6.5	19.7
467100 2016 ET_{45}	15.6	X	353.61410	333.06601	109.44836	16.85978	0.0845407	0.17775682	3.1326980	20	—	—
467101 2016 EZ_{53}	16.2	X	358.24333	290.53724	271.23316	4.34472	0.0742269	0.23829583	2.5766678	20	3 17.7	19.3
467102 2016 EB_{56}	17.7	X	83.80936	279.71836	14.63244	20.12451	0.0847410	0.36690886	1.9324010	20	—	—
467103 2016 EK_{57}	16.1	X	307.89386	315.99304	184.76790	27.81723	0.2038835	0.17401004	3.1775070	20	—	—
467104 2016 EN_{57}	16.7	X	52.29884	302.35118	161.79082	13.38906	0.2185982	0.22354467	2.6888082	20	2 17.9	19.3
467105 2016 EZ_{57}	17.7	X	23.83267	4.67969	90.73391	3.90044	0.1498601	0.21651040	2.7467357	20	—	—
467106 2016 EB_{59}	17.2	X	248.86576	270.26429	354.31024	3.65008	0.1634767	0.21383947	2.7695601	20	1 15.6	21.6
467107 2016 EA_{60}	17.9	X	38.42435	155.76623	313.01966	2.09947	0.2065724	0.23342206	2.6124107	20	1 22.4	19.8
467108 2016 EF_{60}	16.6	X	218.69719	331.60249	284.90213	1.57373	0.0925050	0.19501792	2.9450072	20	—	—
467109 2016 ET_{60}	17.9	X	42.14221	136.21107	46.36413	2.30558	0.1358030	0.27032825	2.3688729	20	5 10.2	20.2
467110 2016 EP_{63}	16.3	X	251.69272	245.98984	331.91995	25.16999	0.1982466	0.17903314	3.1177917	20	—	—
467111 2016 EL_{64}	16.3	X	274.21890	295.57507	258.24513	15.31515	0.1551453	0.18567586	3.0429799	20	—	—
467112 2016 EO_{66}	15.8	X	240.45622	141.37032	73.16105	10.69985	0.0433062	0.18503195	3.0500355	20	—	—
467113 2016 EN_{67}	17.6	X	64.21798	175.79604	340.73860	5.49800	0.0949042	0.26989561	2.3714037	20	4 30.6	20.4
467114 2016 EQ_{67}	16.1	X	162.79683	22.42411	338.29139	12.73906	0.2939396	0.23990146	2.5651580	20	2 27.0	20.6
467115 2016 EK_{68}	17.0	X	318.80049	317.52041	172.61771	10.61423	0.0672820	0.19306534	2.9648303	20	—	—
467116 2016 EG_{72}	16.3	X	34.41488	88.75064	349.74443	8.88209	0.1041484	0.18297455	3.0728563	20	—	—
467117 2016 EW_{72}	16.1	X	325.00239	116.23317	344.33376	8.40462	0.0785781	0.17704317	3.1411108	20	—	—
467118 2016 EX_{72}	17.3	X	42.41370	316.99034	150.29211	4.85067	0.1885994	0.23601919	2.5932109	20	1 26.7	19.6
467119 2016 EC_{73}	17.0	X	324.00678	319.09750	144.56380	9.94387	0.2534633	0.18388441	3.0627116	20	—	—
467120 2016 EG_{73}	17.1	X	5.48463	25.63272	148.73041	13.16469	0.2144393	0.23945778	2.5683256	20	2 11.3	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
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467121 2016 EL_{73}	17.1	X	26.89101	116.82767	83.43709	4.80267	0.0783115	0.26514770	2.3996292	20	5 4.9	19.6
467122 2016 EU_{73}	17.6	X	26.37674	134.55668	131.05747	5.91124	0.0517437	0.30291353	2.1957873	20	8 11.2	19.6
467123 2016 EC_{74}	16.7	X	2.01575	30.41119	133.32703	14.17719	0.1864546	0.22339723	2.6899912	20	1 26.5	19.4
467124 2016 EP_{74}	17.5	X	21.43373	52.62745	178.00274	4.29849	0.1184626	0.28596500	2.2817118	20	6 13.8	19.5
467125 2016 ES_{74}	18.0	X	65.68792	142.75072	355.15860	1.50116	0.1144579	0.26495505	2.4007923	20	4 11.1	20.4
467126 2016 EW_{74}	18.0	X	88.65127	128.09112	2.31182	6.69477	0.1118378	0.27593818	2.3366564	20	5 2.7	20.8
467127 2016 EB_{75}	18.3	X	49.76089	31.05192	175.61168	4.14896	0.1089572	0.28994107	2.2608039	20	6 26.8	20.7
467128 2016 EL_{75}	16.4	X	275.70856	261.98385	338.46754	12.83162	0.0704815	0.22642445	2.6659613	20	1 23.3	20.2
467129 2016 EP_{75}	16.6	X	282.93899	251.49671	337.46029	12.54523	0.1497275	0.21821124	2.7324442	20	1 8.5	20.8
467130 2016 ER_{75}	18.2	X	69.45745	320.79295	169.60654	2.48463	0.1579425	0.26365109	2.4087016	20	4 14.8	20.7
467131 2016 EC_{77}	17.1	X	310.69485	98.51684	358.08473	7.38821	0.3357856	0.18004955	3.1060470	20	11 19.5	19.7
467132 2016 EE_{77}	16.7	X	346.44039	344.80011	132.16089	8.64638	0.0971229	0.19961523	2.8996145	20	—	—
467133 2016 EF_{77}	17.2	X	332.98719	100.88530	65.35964	4.26923	0.1330143	0.21722232	2.7407311	20	—	—
467134 2016 EY_{77}	17.0	X	310.37686	238.32253	255.40452	0.58569	0.1008307	0.18699991	3.0285991	20	—	—
467135 2016 ED_{78}	17.0	X	89.87032	65.84270	336.75240	5.50608	0.0269037	0.21689414	2.7434950	20	1 5.0	20.6
467136 2016 EK_{78}	16.3	X	343.06809	142.13203	304.80348	9.84737	0.1233248	0.18228889	3.0805570	20	—	—
467137 2016 EP_{78}	16.3	X	291.43313	322.97173	275.68929	9.17239	0.2026353	0.22118335	2.7079113	20	1 18.9	20.4
467138 2016 EB_{79}	16.4	X	40.15729	314.96501	167.18533	13.41919	0.2080797	0.22312333	2.6921922	20	2 16.5	18.9
467139 2016 EG_{79}	17.1	X	1.84966	59.94832	154.17659	14.02819	0.1049002	0.24210002	2.5496046	20	4 15.9	20.0
467140 2016 ES_{79}	16.1	X	260.62894	60.98561	131.07048	8.74133	0.1006474	0.17714492	3.1399080	20	—	—
467141 2016 EV_{79}	17.4	X	91.82475	82.38972	54.65761	7.55602	0.0641930	0.26952250	2.3735918	20	5 11.7	20.0
467142 2016 EZ_{79}	16.7	X	126.23119	299.05207	90.71226	7.11610	0.0482181	0.22114261	2.7082438	20	2 7.2	20.4
467143 2016 EY_{80}	18.2	X	125.15241	46.03265	88.24173	5.38181	0.0964644	0.29731456	2.2232686	20	6 26.0	21.1
467144 2016 EB_{81}	16.9	X	294.27843	136.89710	24.74078	9.20907	0.1427414	0.18880902	3.0092220	20	—	—
467145 2016 EK_{82}	17.5	X	327.62673	82.73486	24.53103	15.75519	0.3197267	0.19159653	2.9799636	20	—	—
467146 2016 EG_{83}	15.9	X	333.10319	9.07082	85.62472	11.11074	0.0275160	0.16908303	3.2389385	20	—	—
467147 2016 EJ_{83}	15.8	X	143.56201	230.58407	79.29097	13.06343	0.0509004	0.18138859	3.0907419	20	—	—
467148 2016 EL_{83}	17.0	X	295.99324	110.24144	109.80601	12.28431	0.0487505	0.22134990	2.7065528	20	1 23.1	20.6
467149 2016 EQ_{83}	16.8	X	335.85776	94.69388	110.14665	13.91756	0.0900479	0.23773193	2.5807407	20	2 20.4	20.1
467150 2016 EV_{83}	16.6	X	288.53734	98.57655	39.25425	15.92995	0.2224961	0.17498278	3.1657201	20	12 10.7	20.4
467151 2016 ER_{86}	16.8	X	23.13371	316.97973	130.43052	8.76869	0.1916781	0.21280279	2.7785475	20	—	—
467152 2016 EW_{86}	16.5	X	250.52842	49.73050	154.23248	12.82202	0.1425638	0.17400855	3.1775252	20	—	—
467153 2016 EC_{87}	17.4	X	3.28980	121.32806	128.98119	6.47086	0.0671779	0.27734830	2.3287295	20	6 7.8	19.9
467154 2016 EB_{88}	16.2	X	17.84033	64.05395	26.57764	9.86494	0.0375884	0.19205983	2.9751693	20	—	—
467155 2016 EE_{88}	15.9	X	211.00312	181.98661	56.17356	11.79738	0.0621116	0.17299984	3.1898646	20	—	—
467156 2016 EV_{88}	17.9	X	82.46771	152.26161	313.10325	5.60938	0.0728303	0.25624395	2.4548991	20	3 14.2	20.8
467157 2016 EY_{88}	16.8	X	263.95845	116.07240	171.78214	10.90594	0.1776274	0.24440144	2.5335737	20	2 20.0	20.8
467158 2016 EB_{89}	16.0	X	0.54857	251.05802	162.84734	21.97687	0.0532680	0.17067428	3.2187754	20	12 26.3	20.8
467159 2016 EJ_{89}	17.0	X	303.48534	240.26129	279.26241	1.08681	0.0492263	0.19655379	2.9296457	20	—	—
467160 2016 EK_{90}	18.0	X	74.44777	27.70673	133.29862	2.93361	0.1420965	0.27235533	2.3571043	20	6 3.4	20.7
467161 2016 ET_{94}	17.0	X	11.10611	54.54825	80.28073	6.79076	0.0493636	0.22274152	2.6952679	20	1 14.8	20.3
467162 2016 EC_{96}	15.7	X	321.81535	348.71422	122.52477	12.52280	0.0528807	0.17605966	3.1527980	20	—	—
467163 2016 EY_{100}	15.8	X	346.42432	37.46873	45.87585	10.10201	0.0611385	0.17436605	3.1731804	20	—	—
467164 2016 EW_{104}	16.2	X	9.99770	291.37540	121.64777	16.83679	0.2188649	0.17764903	3.1339651	20	—	—
467165 2016 ER_{106}	17.2	X	33.00239	171.81478	83.45454	9.26907	0.2498728	0.29482230	2.2357805	20	9 15.0	19.6
467166 2016 ET_{107}	16.4	X	98.40155	278.09264	93.21902	10.59349	0.0470524	0.19532108	2.9419591	20	—	—
467167 2016 EV_{108}	16.0	X	243.70122	54.44221	158.18542	17.19483	0.1129332	0.18453910	3.0554637	20	—	—
467168 2016 EB_{109}	15.7	X	55.54121	279.22022	94.82434	12.99623	0.1416451	0.17982214	3.1086651	20	—	—
467169 2016 EF_{109}	15.7	X	282.18228	20.01009	137.33073	18.80918	0.1793322	0.17871148	3.1215316	20	—	—
467170 2016 EH_{109}	16.7	X	270.93792	212.92757	76.42970	6.74914	0.1863684	0.24359378	2.5391708	20	3 3.8	20.5
467171 2016 EH_{110}	16.1	X	13.02468	27.50523	60.69050	10.49260	0.0646115	0.19138856	2.9821220	20	—	—
467172 2016 EK_{110}	15.9	X	61.67488	328.60971	60.05415	11.22597	0.0906289	0.18336045	3.0685434	20	—	—
467173 2016 ET_{110}	15.5	X	304.50912	179.92046	294.53552	22.60219	0.1385907	0.17891901	3.1191174	20	12 23.3	19.4
467174 2016 EU_{110}	16.8	X	117.83961	216.83312	208.56135	13.95914	0.0418543	0.25836618	2.4414374	20	3 1.9	20.3
467175 2016 EX_{110}	15.9	X	286.56049	152.64998	23.86464	16.60970	0.1178798	0.18069935	3.0985962	20	—	—
467176 2016 EZ_{110}	15.9	X	329.28459	278.64367	189.61067	10.34517	0.0806031	0.17311395	3.1884627	20	—	—
467177 2016 EC_{111}	17.0	X	296.01572	29.54095	186.91706	7.85299	0.1567084	0.21103049	2.7940826	20	1 4.5	21.1
467178 2016 EH_{111}	15.8	X	350.07445	96.39171	353.18414	10.91673	0.0719771	0.17516453	3.1635299	20	—	—
467179 2016 EQ_{111}	18.6	X	93.29462	77.13538	118.37826	4.31203	0.0627359	0.31002751	2.1620674	20	8 9.9	20.9
467180 2016 EG_{112}	16.7	X	88.00081	35.86221	0.46744	7.97313	0.0408117	0.20575124	2.8416750	20	—	—
467181 2016 EV_{112}	18.0	X	70.94756	134.33221	19.12379	1.59513	0.1210024	0.27074815	2.3664230	20	5 13.4	20.5
467182 2016 EN_{113}	16.8	X	185.84457	290.22727	26.86071	6.76892	0.0429721	0.21403389	2.7678827	20	1 18.5	20.9
467183 2016 EL_{115}	16.5	X	322.75795	215.25852	354.12686	15.39407	0.0837961	0.23223416	2.6213116	20	2 11.4	20.0
467184 2016 ET_{115}	16.8	X	45.47864	97.16857	7.92859	14.30850	0.1695592	0.23031818	2.6358291	20	2 6.3	19.7
467185 2016 EK_{116}	16.8	X	117.01601	331.26225	37.33281	4.24254	0.0061582	0.20353409	2.8622745	20	—	—
467186 2016 EW_{116}	15.9	X	54.83816	281.78216	166.59138	25.54713	0.0389309	0.21682576	2.7440718	20	1 15.9	20.0
467187 2016 EH_{118}	16.2	X	188.25612	255.94185	34.49551	5.68799	0.2392905	0.18432645	3.0578131	20	—	—
467188 2016 EJ_{119}	17.9	X	4.94868	174.41452	65.17436	3.21552	0.1568680	0.27236824	2.3570298	20	5 25.4	19.6
467189 2016 ES_{119}	17.5	X	8.69859	222.54917	13.45029	5.00482	0.1501045	0.27166604	2.3610896	20	5 26.5	19.5
467190 2016 EA_{120}	15.8	X	285.12094	19.25929	132.54822	11.73212	0.0656498	0.17640806	3.1486455	20	—	—
467191 2016 EB_{120}	15.9	X	147.10906	265.24663	66.74117	7.14002	0.0704521	0.20173147	2.8793002	20	—	—
467192 2016 EO_{123}	16.7	X	237.18180	264.17186	340.98149	2.86547	0.1938529	0.18494298	3.0510136	20	—	—
467193 2016 EQ_{125}	18.0	X	81.27408	10.37285	187.59683	7.84800	0.0981476	0.29672115	2.2262318	20	7 29.0	20.9
467194 2016 EZ_{126}	17.4	X	49.76407	93.37184	356.45553	8.24904	0.2033347	0.22371815	2.6874181	20	1 24.9	20.0
467195 2016 EP_{129}	17.4	X	6.05595	269.45832	218.28893	1.80958	0.1365673	0.21077608	2.7963305	20	—	—
467196 2016 ED_{130}	17.5	X	16.30699	261.23604	358.91403	3.99289	0.1117853	0.28822998	2.2697427	20	7 22.7	19.5
467197 2016 EE_{133}	17.5	X	327.36413	299.92432	346.60170	5.57359	0.1208568	0.27067579	2.3668448	20	5 22.2	19.9
467198 2016 EG_{133}	15.6	X	233.80752	38.01268	190.13684	26.08999	0.1412648	0.17335980	3.1854475	20	—	—
467199 2016 EU_{133}	16.3	X	327.05551	279.86671	206.20703	5.18926	0.1489714	0.18280649	3.0747394	20	—	—
467200 2016 EJ_{134}	17.3	X	27.36695	353.96370	168.42212	1.31082	0.0072179	0.23734177	2.5835682	20	3 11.1	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467201 2016 EU_{134}	17.9	X	62.40996	352.17050	187.28542	5.35034	0.1546701	0.27242829	2.3566834	20	6 14.1	20.5
467202 2016 ET_{136}	16.1	X	257.29481	197.55298	14.97148	10.31771	0.0525717	0.18318778	3.0704713	20	—	—
467203 2016 EY_{137}	17.4	X	29.68001	337.17501	172.69198	10.46799	0.0880738	0.23525805	2.5988012	20	2 27.8	20.4
467204 2016 ER_{138}	17.0	X	47.66673	241.31135	7.31929	5.82887	0.1045353	0.29894321	2.2151863	20	8 29.9	19.3
467205 2016 EU_{138}	18.0	X	41.72395	80.09593	168.90908	2.07449	0.1245509	0.29402478	2.2398216	20	8 21.4	20.2
467206 2016 EV_{139}	17.5	X	18.36905	218.38276	13.78068	3.64763	0.0841075	0.27174424	2.3606367	20	6 5.9	19.9
467207 2016 EA_{140}	17.5	X	24.64923	353.16213	264.39773	3.39727	0.1158032	0.29278080	2.2461615	20	8 2.2	19.5
467208 2016 EF_{142}	16.2	X	292.65015	350.46149	166.90248	8.85710	0.0378779	0.17186300	3.2039161	20	—	—
467209 2016 ER_{143}	17.3	X	356.22105	189.85487	15.57399	5.20578	0.0755213	0.24166862	2.5526379	20	3 22.6	20.0
467210 2016 EJ_{145}	16.0	X	284.90511	158.13906	18.94257	15.10713	0.1651094	0.18006858	3.1058282	20	—	—
467211 2016 EY_{145}	18.0	X	85.83360	120.75089	30.14198	5.89808	0.1563371	0.27240258	2.3568317	20	6 6.0	21.0
467212 2016 EM_{146}	17.4	X	350.06654	104.80660	157.90826	2.84377	0.1944078	0.26204006	2.4185640	20	5 28.3	19.2
467213 2016 EP_{151}	17.8	X	93.21162	148.25944	6.09228	1.54698	0.1244629	0.27807300	2.3246817	20	6 16.9	20.7
467214 2016 EF_{154}	15.8	X	299.81544	172.89765	347.75709	11.13700	0.0286701	0.18523579	3.0477975	20	—	—
467215 2016 EO_{154}	18.4	X	25.01806	92.44051	180.93550	8.22233	0.1882956	0.30066635	2.2067146	20	9 11.8	20.3
467216 2016 EY_{154}	16.3	X	349.66839	105.31194	356.63272	16.06017	0.0996712	0.17918914	3.1159819	20	—	—
467217 2016 ER_{158}	17.4	X	317.12868	204.23982	9.30979	9.04167	0.0794975	0.23195100	2.6234445	20	2 7.9	20.9
467218 2016 EQ_{159}	16.1	X	281.79871	170.43443	12.41400	16.16765	0.0694956	0.18297536	3.0728472	20	—	—
467219 2016 EL_{160}	15.9	X	218.72673	247.90774	8.58676	25.15102	0.2078045	0.17316958	3.1877798	20	—	—
467220 2016 EL_{161}	17.4	X	14.68472	285.65567	206.45535	11.47559	0.2265767	0.22934220	2.6433017	20	—	—
467221 2016 EH_{162}	17.7	X	329.55868	5.39175	212.51099	2.86630	0.0408912	0.23827800	2.5767963	20	3 1.7	21.1
467222 2016 EV_{162}	16.4	X	148.52941	138.79702	186.93834	7.77734	0.1088031	0.19060129	2.9903279	20	—	—
467223 2016 EJ_{163}	17.8	X	69.05519	119.58219	26.88821	6.31839	0.1782152	0.26834217	2.3805470	20	5 9.1	20.5
467224 2016 ES_{163}	16.8	X	352.53602	164.92569	274.21071	9.13685	0.1429011	0.18027348	3.1034743	20	—	—
467225 2016 EY_{163}	16.7	X	48.68370	165.40975	311.82247	10.20980	0.0772843	0.23513002	2.5997444	20	2 12.9	19.6
467226 2016 ED_{164}	16.1	X	200.96919	328.00053	289.15872	6.85472	0.1373415	0.17666304	3.1456151	20	—	—
467227 2016 EE_{164}	16.9	X	271.89102	16.69987	262.34209	5.78432	0.0599860	0.24284417	2.5443934	20	2 29.5	20.6
467228 2016 EO_{164}	16.7	X	148.66759	210.58021	178.52579	17.73717	0.1947608	0.24344226	2.5402243	20	3 13.3	20.6
467229 2016 EQ_{164}	16.4	X	236.04211	227.43571	355.77135	10.97651	0.0466767	0.18045486	3.1013944	20	—	—
467230 2016 ET_{164}	16.1	X	8.77154	236.09410	184.69475	9.47312	0.1947576	0.17672209	3.1449143	20	—	—
467231 2016 EY_{164}	18.0	X	31.60515	16.36951	204.52568	5.52704	0.0896768	0.27803113	2.3249151	20	6 13.9	20.4
467232 2016 EA_{165}	17.3	X	313.12304	340.93524	305.50951	5.14975	0.1037057	0.26564438	2.3966372	20	4 28.9	20.2
467233 2016 EC_{165}	17.4	X	30.65455	248.75098	299.26490	6.54634	0.1530458	0.26112031	2.4242400	20	4 24.5	19.7
467234 2016 EK_{165}	17.1	X	56.61234	94.19246	339.32825	12.54917	0.1986051	0.21621832	2.7492088	20	1 17.9	20.0
467235 2016 EO_{165}	17.4	X	190.70118	340.63074	13.07071	4.09525	0.0382649	0.24033057	2.5621037	20	3 5.7	20.9
467236 2016 EB_{166}	16.4	X	20.83687	257.60479	201.46243	6.22196	0.0433855	0.19821174	2.9132861	20	—	—
467237 2016 ED_{166}	17.7	X	93.50096	263.01085	208.30472	4.25370	0.0746239	0.25517921	2.4617231	20	4 9.7	20.8
467238 2016 EE_{166}	16.2	X	131.63361	156.60689	229.19525	4.84193	0.0766337	0.22144615	2.7057684	20	2 8.7	20.1
467239 2016 EH_{166}	16.0	X	215.02420	280.14286	333.46314	8.88914	0.1051910	0.17888228	3.1195443	20	—	—
467240 2016 EW_{169}	16.7	X	296.67120	329.22727	188.54568	14.99311	0.2058204	0.18063375	3.0993464	20	—	—
467241 2016 EB_{170}	17.4	X	13.26822	167.58354	1.51011	3.80295	0.1296106	0.23418399	2.6067412	20	2 28.1	20.1
467242 2016 EF_{170}	15.9	X	189.08540	113.11497	162.72726	5.42860	0.0832250	0.17420018	3.1751944	20	—	—
467243 2016 EQ_{170}	16.3	X	237.27930	329.34402	18.75087	11.06055	0.2204292	0.25359533	2.4719625	20	4 7.1	20.3
467244 2016 ET_{170}	18.0	X	44.23299	42.63763	167.25051	6.30827	0.1249576	0.27728097	2.3291065	20	6 24.4	20.5
467245 2016 EA_{171}	16.5	X	197.69880	151.33153	164.29568	4.00994	0.0886009	0.20865126	2.8152829	20	1 29.1	20.9
467246 2016 EZ_{171}	17.4	X	293.85515	273.39111	352.77013	1.31059	0.1716837	0.23506890	2.6001951	20	2 28.3	21.0
467247 2016 EK_{172}	16.6	X	139.37614	268.32732	117.05259	7.14518	0.0255380	0.21418153	2.7666106	20	2 15.2	20.4
467248 2016 EM_{172}	17.8	X	350.90833	76.29813	167.07367	7.36002	0.1656382	0.25630789	2.4544907	20	5 2.1	20.0
467249 2016 ER_{172}	16.8	X	315.46963	84.44372	50.38772	6.14419	0.2454334	0.18746645	3.0235722	20	—	—
467250 2016 ES_{172}	16.9	X	310.07195	23.86487	122.93038	5.39787	0.1811133	0.18667637	3.0320974	20	—	—
467251 2016 EV_{172}	15.9	X	262.31717	72.72154	142.18208	12.47531	0.0655232	0.18621467	3.0371072	20	—	—
467252 2016 EB_{173}	17.2	X	19.62961	168.99778	61.00381	7.05745	0.1244815	0.27935712	2.3175523	20	6 8.6	19.3
467253 2016 EE_{173}	15.5	X	107.64865	243.15600	99.96694	12.45114	0.0580528	0.17842676	3.1248516	20	—	—
467254 2016 EO_{173}	16.0	X	297.41505	55.12567	74.44157	10.98976	0.1849309	0.17847696	3.1242656	20	12 23.8	19.6
467255 2016 EV_{173}	15.6	X	313.57472	151.04220	345.56548	9.94810	0.0550963	0.17803982	3.1293775	20	—	—
467256 2016 ER_{175}	16.4	X	248.36474	72.04017	166.02930	1.82440	0.1429167	0.19176207	2.9782484	20	—	—
467257 2016 ET_{175}	17.2	X	304.54344	85.89742	158.31160	1.85975	0.1287131	0.23276809	2.6173015	20	2 19.8	20.7
467258 2016 EV_{175}	16.8	X	28.71109	58.97726	33.99858	2.45053	0.0424294	0.20043922	2.8916624	20	—	—
467259 2016 EA_{176}	17.4	X	14.86810	101.09003	1.12204	12.28866	0.2082031	0.20965459	2.8062938	20	—	—
467260 2016 EQ_{177}	17.7	X	342.69925	304.58364	329.91874	6.35991	0.1270073	0.27279794	2.3545540	20	6 2.7	19.9
467261 2016 EU_{178}	17.6	X	87.30103	157.28779	342.69571	6.88091	0.1353764	0.26851964	2.3794980	20	5 18.6	20.7
467262 2016 EG_{181}	17.4	X	25.57873	283.02839	323.38251	4.29996	0.1950944	0.27611521	2.3356575	20	7 29.8	19.4
467263 2016 EW_{181}	17.5	X	8.80379	308.37488	0.63083	7.52402	0.1713376	0.29969961	2.2114575	20	10 4.6	19.4
467264 2016 EX_{181}	17.2	X	349.87094	236.37144	353.28072	5.35176	0.0706821	0.24527275	2.5275700	20	4 12.9	20.0
467265 2016 EC_{182}	16.5	X	247.99533	306.63688	20.87562	31.86853	0.2357610	0.23000874	2.6381926	20	3 30.1	21.0
467266 2016 EO_{184}	16.7	X	178.05485	300.92755	64.89205	15.93909	0.1485359	0.23695499	2.5863788	20	3 19.2	21.1
467267 2016 ET_{184}	16.4	X	14.60567	13.77160	47.79457	9.28963	0.0786289	0.19099980	2.9861671	20	—	—
467268 2016 EQ_{185}	16.3	X	206.02484	121.21192	163.43173	8.44907	0.0344932	0.20319001	2.8655048	20	1 1.3	20.6
467269 2016 EO_{186}	16.4	X	193.99557	266.64086	16.96389	4.46368	0.1688910	0.18499346	3.0504586	20	—	—
467270 2016 EU_{186}	16.2	X	212.31184	256.71294	43.81921	4.23762	0.0832019	0.21638013	2.7478380	20	1 26.8	20.3
467271 2016 EA_{187}	16.0	X	344.11401	201.28180	248.82667	12.66983	0.0542496	0.18016678	3.1046995	20	—	—
467272 2016 EQ_{188}	17.2	X	25.59000	269.29315	201.31144	12.50173	0.2413881	0.22784023	2.6549057	20	—	—
467273 2016 EF_{189}	17.4	X	346.30141	308.22940	252.97635	6.97294	0.0542854	0.24514295	2.5284621	20	2 27.2	20.7
467274 2016 EK_{189}	17.0	X	338.71603	226.46576	288.11634	8.20058	0.1134530	0.21324850	2.7746746	20	—	—
467275 2016 EF_{190}	16.7	X	121.34716	105.26188	279.19915	7.46478	0.0962262	0.22415427	2.6839311	20	1 28.6	20.4
467276 2016 EJ_{190}	16.7	X	156.93788	76.78585	236.99809	9.06082	0.0750780	0.19313465	2.9641209	20	—	—
467277 2016 EZ_{190}	15.5	X	197.79705	318.85127	295.57040	10.24910	0.0388318	0.18099220	3.0952529	20	—	—
467278 2016 EF_{192}	17.3	X	38.24515	270.08131	194.90217	12.71865	0.2186019	0.23073745	2.6326350	20	1 14.4	19.8
467279 2016 EM_{192}	17.4	X	301.50219	47.91927	206.94662	12.79362	0.2267220	0.23783263	2.5800122	20	2 10.8	21.4
467280 2016 EQ_{192}	16.6	X	270.34741	29.26652	163.81485	2.10112	0.1049620	0.18384485	3.0631510	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467281 2016 ES_{192}	16.7	X	276.18687	340.35620	193.42628	17.22534	0.1591499	0.17627345	3.1502483	20	—	—
467282 2016 EG_{193}	15.8	X	251.61142	29.57826	199.82537	16.88626	0.1540745	0.17293649	3.1906436	20	—	—
467283 2016 EH_{193}	16.2	X	268.16890	58.59464	183.19742	4.84745	0.2693505	0.18749644	3.0232498	20	—	—
467284 2016 EP_{193}	17.0	X	110.15183	324.56214	153.71418	24.10896	0.1885411	0.27108556	2.3644590	20	6 1.4	21.0
467285 2016 EO_{194}	17.4	X	25.07129	111.13436	94.45058	3.13553	0.1248190	0.26570757	2.3962572	20	5 12.8	19.5
467286 2016 ER_{194}	17.9	X	100.09253	2.43462	133.92621	3.76542	0.0594885	0.27592556	2.3367276	20	5 22.5	20.7
467287 2016 ET_{194}	16.2	X	227.40717	161.73628	101.84972	3.28751	0.0174533	0.20304806	2.8668402	20	1 1.0	20.3
467288 2016 EY_{194}	16.3	X	13.24097	60.26117	24.66880	10.23129	0.0789457	0.18875742	3.0097704	20	—	—
467289 2016 EG_{195}	16.8	X	314.91991	101.49305	359.93325	6.97201	0.2547950	0.18461987	3.0545724	20	12 19.8	19.6
467290 2016 EK_{195}	17.1	X	151.24255	301.35895	116.91635	14.38869	0.1100229	0.26463315	2.4027387	20	4 21.6	20.9
467291 2016 EM_{196}	16.0	X	250.51798	131.27247	95.39164	6.06132	0.1208286	0.18630070	3.0361722	20	—	—
467292 2016 EN_{196}	17.0	X	42.27797	124.68451	53.07624	6.90280	0.0701404	0.26013653	2.4303481	20	4 26.8	19.7
467293 2016 EP_{196}	16.1	X	288.48184	231.28543	24.01690	26.14927	0.0805115	0.23190919	2.6237598	20	3 6.9	20.1
467294 2016 EW_{196}	15.9	X	252.48758	129.30648	98.48624	18.38554	0.2277290	0.18094748	3.0957629	20	—	—
467295 2016 EC_{198}	17.4	X	357.05959	242.47698	313.62788	4.28856	0.0645274	0.24708903	2.5151684	20	3 8.6	20.4
467296 2016 ED_{198}	18.1	X	359.45445	355.44091	284.60850	2.85381	0.1464418	0.29424276	2.2387152	20	7 22.7	19.6
467297 2016 EE_{198}	15.8	X	165.52079	328.21518	312.76008	4.20666	0.1154535	0.17178448	3.2048923	20	—	—
467298 2016 EJ_{198}	16.7	X	37.51865	111.81307	344.51359	4.46489	0.0811812	0.21443197	2.7644561	20	1 5.1	20.0
467299 2016 EY_{198}	17.4	X	38.84261	31.27389	92.72615	3.58495	0.0870459	0.23078107	2.6323033	20	2 10.2	20.5
467300 2016 EZ_{198}	17.8	X	33.32607	132.49679	52.64481	3.62916	0.1616555	0.26039174	2.4287599	20	4 30.7	20.0
467301 2016 EO_{199}	16.9	X	147.57374	219.00551	142.66356	7.62673	0.0445705	0.21740824	2.7391683	20	1 26.7	20.7
467302 2016 EP_{199}	17.3	X	277.28838	180.35526	50.44231	5.07593	0.0681457	0.21237056	2.7823163	20	1 13.3	21.2
467303 2016 EZ_{199}	16.8	X	303.22308	78.10720	180.67989	16.53612	0.1173915	0.23955559	2.5676264	20	3 7.8	20.2
467304 2016 EB_{200}	16.4	X	262.25713	115.37612	116.74573	7.28553	0.1545564	0.18593659	3.0401345	20	—	—
467305 2016 EM_{200}	17.4	X	24.24506	197.87935	47.24560	5.24542	0.1870762	0.26630032	2.3927000	20	7 23.4	19.5
467306 2016 FJ_{1}	16.7	X	82.40262	105.38744	301.45496	5.34838	0.0450660	0.20883988	2.8135875	20	1 3.9	20.3
467307 2016 FX_{1}	17.5	X	126.28445	68.09438	24.63291	7.16747	0.1982109	0.27674827	2.3320943	20	5 9.7	21.0
467308 2016 FF_{2}	18.0	X	32.68220	205.97601	358.22126	5.96450	0.1644164	0.26989015	2.3714358	20	5 28.2	20.2
467309 1996 AW_{1}	19.9	X	340.76919	229.38932	117.52401	4.76511	0.5184240	0.51812071	1.5352605	20	—	—
467310 1996 RX_{17}	17.9	X	353.01536	140.09290	159.63564	4.59806	0.1372440	0.28594789	2.2818029	20	8 8.9	19.8
467311 1998 TR_{36}	17.6	X	187.53065	111.01561	291.09018	0.40482	0.1714558	0.25294117	2.4762227	20	5 2.4	21.4
467312 1998 WF_{38}	18.3	X	203.56721	35.74671	56.29686	6.02989	0.0940009	0.30459800	2.1876845	20	8 1.5	21.2
467313 1999 AS_{34}	18.5	X	133.74708	194.29612	315.15862	2.56402	0.0639063	0.29710249	2.2243264	20	7 26.2	21.3
467314 1999 CY_{129}	16.7	X	293.51789	176.37775	6.14263	2.58165	0.2305923	0.18081451	3.0972804	20	—	—
467315 1999 TZ_{244}	16.9	X	217.10902	178.09998	177.28708	7.47293	0.2566925	0.21886299	2.7270169	20	3 31.2	21.8
467316 1999 UX_{21}	18.3	X	337.50706	282.78197	40.01586	3.07141	0.2277097	0.27780006	2.3262041	20	8 13.5	19.4
467317 2000 QW_{7}	19.8	X	94.28758	190.93758	158.56864	4.15189	0.4688235	0.36229740	1.9487640	20	—	—
467318 2000 SC_{29}	16.0	X	265.35316	9.24291	301.75263	11.87075	0.2474766	0.18461616	3.0546133	20	3 13.8	21.1
467319 2000 UZ_{112}	16.4	X	252.77418	301.97082	59.27298	31.49192	0.2875481	0.23332656	2.6131235	20	5 8.1	20.8
467320 2001 HV_{38}	16.6	X	321.53022	355.71471	207.98659	3.12599	0.1905283	0.19973179	2.8984863	20	1 17.1	20.4
467321 2001 PW_{7}	15.9	X	166.88968	342.21682	6.78674	11.11738	0.3075563	0.18447761	3.0561425	20	2 23.9	21.4
467322 2001 PZ_{16}	17.7	X	34.80823	87.46913	262.96786	17.88123	0.1163606	0.37461569	1.9058062	20	—	—
467323 2001 RW_{153}	16.6	X	142.59864	200.47839	181.67827	33.71831	0.2024220	0.23418889	2.6067049	20	2 28.4	21.0
467324 2001 SO_{306}	17.6	X	352.53700	111.42669	193.99725	1.94999	0.2147774	0.25666757	2.4521972	20	8 17.7	19.4
467325 2001 TQ_{252}	18.0	X	278.91441	142.11471	174.31308	8.52251	0.0985843	0.24511690	2.5286412	20	4 27.7	21.4
467326 2001 UQ_{58}	16.2	X	63.44932	103.91079	27.28469	26.63869	0.1097460	0.23479265	2.6022343	20	4 6.3	19.4
467327 2001 UP_{81}	17.9	X	308.19794	6.82028	41.00167	21.89665	0.0895656	0.36460749	1.9405239	20	11 20.7	19.3
467328 2001 US_{106}	17.7	X	211.95979	335.65906	46.17084	8.54835	0.1979341	0.24175571	2.5520248	20	4 29.1	22.0
467329 2001 UT_{111}	16.3	X	193.50986	314.50677	15.27584	6.70126	0.2841185	0.18301932	3.0723551	20	2 18.3	21.9
467330 2001 UR_{177}	17.4	X	182.35788	201.26700	223.41539	25.65152	0.1911231	0.29393563	2.2402745	20	5 26.1	21.1
467331 2001 XR_{134}	16.8	X	38.45022	208.53598	258.07155	12.86475	0.2130831	0.22215030	2.7000478	20	1 19.0	19.4
467332 2001 YG_{81}	15.6	X	156.08487	268.94155	105.53795	26.60869	0.3431865	0.17587168	3.1550442	20	3 25.5	21.8
467333 2002 CR_{280}	17.7	X	120.80555	297.12964	128.25378	3.54159	0.1778874	0.22646956	2.6656073	20	4 1.5	21.6
467334 2002 EY_{46}	17.3	X	152.14884	159.29029	345.91267	6.91874	0.0962180	0.29254078	2.2473900	20	8 14.1	20.4
467335 2002 JA_{9}	19.0	X	119.18865	230.59078	93.54238	10.49083	0.4830259	0.35228600	1.9855117	20	—	—
467336 2002 LT_{38}	20.5	X	250.90612	162.75652	259.40393	6.19581	0.3137494	1.26852490	0.8451557	20	—	—
467337 2002 PJ_{76}	17.8	X	319.41937	255.34931	80.73410	5.81159	0.2558878	0.27175106	2.3605972	20	7 8.2	19.4
467338 2002 PF_{193}	18.5	X	10.35270	173.57380	103.63236	2.47289	0.1742080	0.27290958	2.3539118	20	8 13.3	20.3
467339 2002 QZ_{107}	18.6	X	1.28332	140.24290	150.33975	2.73992	0.2031796	0.27366721	2.3495654	20	8 17.8	20.3
467340 2002 SX_{26}	15.1	X	101.30832	338.95436	4.40399	5.75196	0.2756255	0.12534285	3.9543005	20	—	—
467341 2002 TN_{34}	15.0	X	96.93772	1.70902	343.78802	2.16784	0.2509999	0.12367134	3.9898510	20	—	—
467342 2002 TK_{348}	16.7	X	348.34471	39.13126	65.45277	17.08675	0.2099221	0.17437394	3.1730847	20	—	—
467343 2002 TT_{364}	16.6	X	176.54565	300.55751	42.35560	11.36382	0.1230461	0.19126403	2.9834163	20	2 18.6	21.5
467344 2002 US_{43}	15.4	X	119.63464	112.10925	216.40637	6.29355	0.3111452	0.12414960	3.9795977	20	1 1.2	21.7
467345 2002 WD_{27}	17.7	X	267.71141	115.50173	244.63980	3.84034	0.2583666	0.26116177	2.4239834	20	5 17.5	21.2
467346 2003 CB_{5}	15.6	X	21.77426	238.76063	325.15552	11.15841	0.2067196	0.24106799	2.5568761	20	5 4.1	18.1
467347 2003 GR	20.6	X	132.02890	273.04254	21.13347	55.82863	0.3177743	0.60486733	1.3847221	20	—	—
467348 2003 GY_{43}	16.7	X	328.16176	159.47780	77.31570	13.51982	0.2276929	0.22776725	2.6554728	20	3 7.9	20.0
467349 2003 HR_{52}	16.8	X	317.96888	177.66864	47.10208	11.47787	0.1815973	0.22468279	2.6797206	20	2 11.0	20.4
467350 2003 JD_{4}	17.4	X	334.20858	356.47108	218.84785	13.29507	0.1899117	0.22588717	2.6701870	20	2 10.8	20.9
467351 2003 KO_{2}	20.5	X	330.57606	204.03757	215.48253	23.49650	0.5106922	1.58780817	0.7276748	20	—	—
467352 2003 KZ_{18}	21.3	X	6.82055	154.62066	249.97475	23.89595	0.3305783	1.06643860	0.9488090	20	—	—
467353 2003 NN_{7}	16.6	X	306.32733	2.06382	274.18360	13.30161	0.3113455	0.22214624	2.7000807	20	3 1.2	20.7
467354 2003 NB_{13}	17.8	X	308.88633	219.42033	137.85536	5.24080	0.2025735	0.28869249	2.2673178	20	7 30.3	19.2
467355 2003 OF_{16}	16.0	X	201.69901	124.85143	240.35341	11.41306	0.2061762	0.21243469	2.7817564	20	3 27.9	20.9
467356 2003 QJ_{9}	17.0	X	234.74730	356.33792	314.88761	7.31812	0.2090105	0.21237348	2.7822908	20	2 22.6	21.6
467357 2003 QE_{115}	17.0	X	256.25991	303.55104	23.71884	11.30293	0.3008642	0.21599072	2.7511398	20	3 26.8	21.6
467358 2003 ST_{128}	17.9	X	16.47587	51.55024	246.12646	6.04562	0.2065234	0.28951036	2.2630456	20	10 3.3	20.1
467359 2003 SO_{181}	17.6	X	237.57003	31.48635	359.46550	3.72246	0.1714222	0.27811365	2.3244552	20	6 4.9	21.0
467360 2003 SJ_{184}	18.2	X	359.62233	307.73965	10.11861	3.98073	0.2772884	0.29073898	2.2566656	20	10 17.5	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467361 2003 SH_{187}	18.3	X	10.03332	285.96852	28.11687	0.87624	0.2357271	0.29183318	2.2510213	20	10 25.8	20.3
467362 2003 SB_{232}	17.9	X	287.98071	221.15272	150.29080	5.32664	0.2501304	0.28426284	2.2908113	20	7 1.3	20.2
467363 2003 UJ_{23}	17.3	X	235.64192	115.43252	224.20663	7.38303	0.3620764	0.21303138	2.7765595	20	3 18.7	22.6
467364 2003 UZ_{277}	17.4	X	316.49985	85.49943	244.93564	5.70522	0.1413792	0.28203147	2.3028784	20	7 9.3	19.6
467365 2003 WB_{26}	16.8	X	278.30205	286.48864	74.56309	23.34374	0.3249053	0.27644341	2.3338085	20	5 24.4	20.0
467366 2003 WA_{103}	16.5	X	183.72547	115.46209	253.03741	7.31704	0.2458828	0.20409775	2.8570021	20	3 19.1	21.7
467367 2003 YW_{42}	16.7	X	334.41117	29.24402	111.11391	17.37422	0.1694160	0.17912629	3.1167108	20	—	—
467368 2004 CD_{30}	16.0	X	75.30183	295.99321	130.72525	10.77801	0.0227302	0.18355976	3.0663218	20	1 20.6	20.3
467369 2004 DT_{63}	16.3	X	286.80814	40.07991	147.65240	28.09955	0.1498514	0.17392321	3.1785645	20	—	—
467370 2004 EZ_{18}	15.7	X	307.82073	52.19456	120.35821	18.35333	0.1999396	0.17350513	3.1836685	20	—	—
467371 2004 KU_{12}	16.7	X	248.26386	215.15606	90.52848	15.62339	0.2798882	0.23335034	2.6129459	20	2 28.1	21.5
467372 2004 LG	18.0	X	112.97359	164.71925	256.84907	71.15395	0.8968534	0.33227301	2.0644578	20	5 24.9	23.4
467373 2004 QX_{24}	15.5	X	166.88788	311.08117	60.45753	38.94610	0.2827364	0.21933866	2.7230728	20	4 9.1	21.1
467374 2004 QH_{28}	17.5	X	159.06097	173.91853	229.75622	7.68050	0.0711130	0.22465699	2.6799257	20	4 1.5	21.4
467375 2004 RA_{66}	17.3	X	232.48278	171.83667	184.26112	3.52802	0.3094127	0.22913391	2.6449033	20	4 9.2	22.1
467376 2004 RX_{79}	16.4	X	246.25562	232.80866	89.82010	17.93522	0.3464893	0.22778263	2.6553533	20	3 16.7	21.5
467377 2004 RQ_{83}	17.6	X	307.78104	3.85091	7.16205	7.05298	0.1329463	0.30481189	2.1866610	20	9 5.5	19.3
467378 2004 RP_{338}	18.2	X	293.46659	212.46912	180.79781	5.99982	0.1066358	0.30523676	2.1846313	20	9 13.5	20.1
467379 2004 SH	17.7	X	340.26477	181.71857	243.96661	20.12531	0.0910095	0.38402033	1.8745624	20	—	—
467380 2004 TW_{126}	16.9	X	261.26281	275.84169	57.37350	7.81534	0.1981656	0.23011994	2.6373426	20	4 16.4	20.9
467381 2004 TM_{137}	17.1	X	241.18221	298.47035	57.55486	5.62102	0.2949355	0.22890242	2.6466862	20	4 17.4	21.7
467382 2004 TA_{161}	17.9	X	303.65662	2.52842	25.33784	5.41574	0.2040851	0.30499438	2.1857886	20	9 16.9	19.2
467383 2004 TH_{177}	18.3	X	4.75817	147.34470	192.12073	5.47794	0.2013684	0.31132549	2.1560538	20	11 24.6	20.3
467384 2004 TO_{184}	17.2	X	257.78181	319.08546	349.32280	4.61400	0.1088416	0.22405520	2.6847223	20	3 19.8	21.2
467385 2004 TQ_{296}	16.9	X	168.84568	172.36512	211.99483	3.08420	0.1951660	0.21712332	2.7415641	20	3 26.8	21.5
467386 2004 TY_{343}	16.7	X	258.37061	144.26902	216.59461	11.88090	0.2842131	0.23091996	2.6312477	20	5 7.4	20.9
467387 2004 VK_{37}	17.1	X	251.87371	291.90489	49.46109	13.38984	0.2885533	0.22756133	2.6570745	20	4 11.4	21.6
467388 2004 XC_{11}	18.0	X	251.13604	237.04688	270.34419	18.01907	0.0903209	0.37167065	1.9158605	20	—	—
467389 2004 XX_{74}	16.4	X	203.60761	287.91059	72.58220	13.52469	0.2207265	0.21942504	2.7223581	20	4 3.1	21.3
467390 2004 XP_{131}	16.7	X	231.84088	310.22186	53.35953	13.16225	0.3317711	0.22548301	2.6733768	20	4 19.5	21.6
467391 2005 AE_{58}	17.3	X	186.92454	301.20476	112.19014	22.56075	0.2042061	0.28206416	2.3027004	20	5 23.6	21.5
467392 2005 CL_{30}	18.3	X	41.80089	211.40172	139.10766	25.27527	0.0920351	0.36699037	1.9321149	20	—	—
467393 2005 CA_{41}	18.1	X	93.16657	150.55090	31.80206	3.12690	0.1594090	0.28015932	2.3131262	20	8 1.9	21.2
467394 2005 EH_{89}	18.3	X	30.27810	47.69593	208.36323	3.63571	0.1769003	0.27583280	2.3372515	20	8 17.9	20.7
467395 2005 EQ_{138}	16.3	X	281.60795	70.80384	152.59579	20.22209	0.2871232	0.18440812	3.0569103	20	—	—
467396 2005 GJ_{19}	17.7	X	50.21491	186.25428	20.44503	7.49022	0.1564403	0.27018634	2.3697023	20	7 6.3	20.4
467397 2005 GD_{52}	17.0	X	241.07723	66.85672	195.03249	1.10427	0.1871642	0.17918855	3.1159887	20	1 7.8	22.2
467398 2005 GH_{66}	16.0	X	247.43107	124.27086	105.64494	18.13623	0.2157546	0.17851256	3.1238502	20	—	—
467399 2005 GR_{72}	16.3	X	294.82062	138.91649	28.96012	10.02725	0.0244995	0.17731525	3.1378968	20	—	—
467400 2005 GW_{124}	17.7	X	68.49682	78.51887	114.42602	2.12015	0.1359864	0.27133695	2.3629984	20	7 9.9	20.6
467401 2005 GH_{133}	16.9	X	270.89746	350.39107	190.05714	10.40207	0.1653879	0.17570035	3.1570949	20	—	—
467402 2005 GE_{205}	17.2	X	298.04112	308.59003	223.07526	9.31586	0.1635126	0.17854639	3.1234555	20	—	—
467403 2005 GZ_{222}	16.3	X	335.49425	120.08192	27.86528	12.84021	0.0668790	0.18131906	3.0915320	20	—	—
467404 2005 JY_{26}	16.1	X	220.52685	224.65185	75.86978	12.22693	0.1009147	0.18180022	3.0860748	20	2 9.9	21.1
467405 2005 JD_{34}	16.2	X	221.55450	175.81538	80.77044	17.46406	0.0478590	0.17425584	3.1745182	20	—	—
467406 2005 JC_{109}	16.6	X	355.04066	269.68968	53.22425	22.74341	0.2228053	0.27389984	2.3482348	20	10 14.3	18.9
467407 2005 JZ_{150}	16.3	X	268.42347	152.17533	79.04659	23.83770	0.1150578	0.17861463	3.1226600	20	1 2.3	21.1
467408 2005 JW_{165}	18.1	X	37.56992	196.79195	33.42271	3.62224	0.1742426	0.26860733	2.3789801	20	7 23.5	20.4
467409 2005 JW_{167}	16.3	X	288.66327	103.66529	103.43854	17.86185	0.1869564	0.17914835	3.1164548	20	—	—
467410 2005 KE_{11}	16.7	X	291.47569	84.07820	117.37880	21.84840	0.3261598	0.18032569	3.1028753	20	—	—
467411 2005 LB_{20}	17.0	X	330.88921	168.68637	117.09065	24.51857	0.2468673	0.26222588	2.4174213	20	5 22.9	19.7
467412 2005 MJ_{30}	17.7	X	344.51282	66.33339	236.45331	3.64240	0.2453710	0.26184696	2.4197529	20	7 21.0	18.9
467413 2005 NX_{15}	17.8	X	335.09427	225.47419	86.66031	2.38252	0.2054051	0.26193738	2.4191961	20	7 13.9	19.4
467414 2005 NL_{34}	17.7	X	303.83280	359.65395	314.16954	5.44180	0.1055551	0.25629443	2.4545767	20	5 25.5	20.6
467415 2005 SG_{120}	17.7	X	231.95604	172.20911	188.56722	15.09359	0.1426163	0.24410939	2.5355940	20	4 25.8	21.6
467416 2005 SQ_{174}	17.2	X	82.40689	230.74968	255.86647	5.14367	0.1291016	0.23581126	2.5947351	20	4 23.9	20.5
467417 2005 TG_{6}	16.8	X	153.35752	168.37039	230.57931	11.40671	0.1845977	0.23337795	2.6127399	20	3 26.8	21.1
467418 2005 UY_{118}	17.9	X	237.55326	130.89722	219.18942	4.98999	0.1085104	0.23979235	2.5659361	20	4 18.7	21.7
467419 2005 UQ_{121}	17.3	X	332.83297	34.58820	224.33478	6.76239	0.1076208	0.24021753	2.5629074	20	4 24.6	20.1
467420 2005 UC_{166}	17.4	X	326.54811	35.40163	227.71244	2.88033	0.1233467	0.24090430	2.5580342	20	4 17.8	20.3
467421 2005 UE_{176}	17.2	X	183.31894	337.42894	44.80027	9.94518	0.0974229	0.23280648	2.6170138	20	4 6.6	21.2
467422 2005 UL_{189}	17.3	X	212.95815	327.02036	37.99860	7.63769	0.1152748	0.23692095	2.5866266	20	4 13.0	21.1
467423 2005 UN_{200}	17.6	X	79.62433	46.15235	54.67128	6.05486	0.1257467	0.22599262	2.6693563	20	3 20.9	21.0
467424 2005 UV_{285}	17.3	X	199.04324	323.45524	52.08806	13.96435	0.0643542	0.23671056	2.5881590	20	4 16.1	21.1
467425 2005 VN_{61}	16.8	X	153.62984	321.22620	85.53846	14.82678	0.2405566	0.23014662	2.6371387	20	4 19.4	21.5
467426 2005 VA_{85}	17.9	X	126.37495	358.17363	64.60499	4.75014	0.1225530	0.22854536	2.6494422	20	3 29.4	21.7
467427 2005 VG_{91}	16.6	X	51.68109	214.02652	266.89528	10.55281	0.1163582	0.22172028	2.7035377	20	2 23.9	19.9
467428 2005 XG_{40}	17.2	X	59.41252	34.87369	88.68357	9.78419	0.0705946	0.22022827	2.7157347	20	3 16.9	20.8
467429 2005 XT_{58}	17.6	X	43.49070	221.58573	256.80242	6.93991	0.1821756	0.21852589	2.7298207	20	2 14.9	20.4
467430 2005 XT_{74}	16.4	X	265.79676	18.38737	291.19064	13.25070	0.0574942	0.22759468	2.6568150	20	3 29.7	20.5
467431 2005 YO_{50}	17.2	X	301.44708	352.71344	260.72772	3.83358	0.1133257	0.22028973	2.7152295	20	2 29.6	21.0
467432 2005 YL_{129}	17.5	X	264.75622	268.47828	90.95290	5.96474	0.2723754	0.24241167	2.5474189	20	5 13.7	21.3
467433 2005 YP_{130}	17.3	X	159.04391	270.58649	110.97550	13.23314	0.1867835	0.22285017	2.6943918	20	3 20.5	21.9
467434 2005 YD_{135}	17.0	X	59.60744	94.62901	5.24184	3.11129	0.1711156	0.21624982	2.7489418	20	2 22.8	19.9
467435 2005 YM_{166}	16.8	X	10.78641	64.01711	124.38499	14.20706	0.0596005	0.22138855	2.7062378	20	3 30.3	20.4
467436 2005 YJ_{187}	17.3	X	116.70575	341.69804	110.37376	12.09752	0.0463660	0.22471990	2.6794255	20	4 18.9	21.2
467437 2005 YA_{197}	17.6	X	62.03388	333.08584	104.24395	9.25516	0.2034260	0.21355101	2.7720537	20	2 1.6	20.5
467438 2005 YQ_{287}	16.6	X	48.49187	16.25775	88.37564	14.88617	0.1694655	0.21275038	2.7790038	20	2 13.2	19.8
467439 2006 AV_{17}	16.9	X	8.78229	229.01878	283.97529	7.99770	0.0886034	0.21316347	2.7754124	20	2 1.3	20.2
467440 2006 AV_{51}	17.3	X	196.70648	235.86517	128.26537	5.12009	0.0618103	0.22306449	2.6926656	20	3 28.7	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467441 2006 AV_{54}	17.4	X	105.97198	267.45392	159.67569	4.87270	0.0631518	0.21703388	2.7423172	20	3 1.0	21.2
467442 2006 AB_{62}	17.3	X	23.26209	262.89586	227.13228	3.09624	0.1663725	0.21171108	2.7880913	20	1 24.9	20.1
467443 2006 AE_{72}	16.4	X	133.74213	314.16692	125.33644	22.36914	0.0454017	0.22364507	2.6880035	20	4 27.6	20.7
467444 2006 BM_{6}	18.4	X	322.79375	13.63339	126.24806	30.35386	0.1571266	0.40667181	1.8042914	20	—	—
467445 2006 BQ_{36}	18.2	X	337.97417	279.79085	66.17970	2.14169	0.0928268	0.31250675	2.1506172	20	9 28.7	19.8
467446 2006 BT_{70}	16.6	X	311.67115	79.52398	98.04848	7.60960	0.0485554	0.20393446	2.8585270	20	—	—
467447 2006 BB_{78}	17.3	X	97.29324	301.45432	124.43204	5.72316	0.0694446	0.21393435	2.7687412	20	2 19.6	21.0
467448 2006 BF_{127}	16.9	X	1.82703	19.98086	156.31972	11.51502	0.0831121	0.21076899	2.7963932	20	2 23.5	20.2
467449 2006 BD_{130}	17.0	X	306.87573	74.54503	162.54216	2.87355	0.1200870	0.20936761	2.8088576	20	2 17.9	20.8
467450 2006 BD_{202}	16.8	X	333.49035	96.49429	103.76634	5.04455	0.0354753	0.21198259	2.7857101	20	2 19.9	20.5
467451 2006 CK_{14}	16.9	X	57.43809	330.87314	142.39720	8.69704	0.1759531	0.21423811	2.7661235	20	3 10.3	20.0
467452 2006 DK_{92}	18.3	X	75.72358	196.95679	47.87268	0.25989	0.0800516	0.30285227	2.1960834	20	9 28.1	20.6
467453 2006 DY_{113}	18.0	X	55.63598	260.58248	1.02969	7.95024	0.2157475	0.30035725	2.2082283	20	10 12.9	20.9
467454 2006 DW_{216}	17.4	X	119.45883	294.25331	126.56836	1.23191	0.0649253	0.21319100	2.7751735	20	3 10.9	21.3
467455 2006 FC_{41}	17.4	X	302.83569	181.33438	45.93369	3.31781	0.1533826	0.20110839	2.8852443	20	1 29.5	21.5
467456 2006 HC_{21}	19.0	X	83.70842	44.69217	167.98156	3.67535	0.1515453	0.29578247	2.2309394	20	8 31.9	21.8
467457 2006 HX_{83}	17.8	X	43.93278	149.58270	76.53671	7.84352	0.1193518	0.28793108	2.2713132	20	7 20.4	20.2
467458 2006 HB_{103}	18.6	X	42.58311	141.63257	130.84622	2.83592	0.1174963	0.29504297	2.2346655	20	9 27.7	21.1
467459 2006 JQ_{21}	17.9	X	62.47201	148.62532	113.42293	6.00289	0.1372782	0.29727770	2.2234524	20	10 15.6	20.8
467460 2006 JF_{42}	19.2	X	323.14157	17.80706	40.88073	5.95055	0.5816686	1.78972806	0.6718588	20	—	—
467461 2006 KB_{11}	15.4	X	34.20321	323.86618	64.01028	14.41249	0.0102986	0.17580335	3.1558616	20	—	—
467462 2006 KK_{13}	18.7	X	54.41005	115.51147	167.15095	8.78239	0.3137213	0.29693212	2.2251772	20	11 22.6	22.2
467463 2006 KB_{54}	18.5	X	11.20969	146.05772	143.34383	3.08407	0.1681711	0.28993378	2.2608418	20	9 6.6	20.4
467464 2006 KF_{60}	17.2	X	356.61816	23.98310	127.14765	7.57332	0.1740462	0.19613282	2.9338362	20	1 7.7	20.5
467465 2006 KR_{76}	17.9	X	70.01688	132.64237	94.93909	5.07561	0.1609902	0.29249068	2.2476466	20	9 8.9	20.8
467466 2006 KC_{92}	16.7	X	154.94004	288.67305	73.97218	12.84985	0.0728814	0.19434522	2.9517991	20	2 16.2	21.3
467467 2006 KG_{94}	16.8	X	202.43362	239.72782	88.01546	10.58617	0.2530032	0.19210272	2.9747265	20	2 22.6	22.2
467468 2006 PM_{16}	16.2	X	199.93112	318.31104	348.16329	14.27404	0.2597899	0.18035863	3.1024974	20	1 29.4	21.8
467469 2006 PP_{28}	16.9	X	356.24282	236.83995	99.05309	23.48000	0.2618545	0.28583228	2.2824181	20	11 16.4	19.4
467470 2006 QQ_{12}	17.4	X	288.26814	320.84408	54.83429	3.92734	0.2123922	0.27831456	2.3233364	20	7 16.3	19.8
467471 2006 QN_{113}	18.4	X	342.17817	284.59975	33.67458	4.99324	0.2856465	0.28097148	2.3086666	20	8 24.9	19.1
467472 2006 QQ_{117}	17.8	X	295.55990	348.98805	350.80770	2.44654	0.2077914	0.27322994	2.3520715	20	6 2.7	20.3
467473 2006 QY_{185}	17.5	X	283.41533	322.00321	16.75192	6.78483	0.1320023	0.26950642	2.3736862	20	5 25.4	20.4
467474 2006 RK_{5}	15.9	X	148.93751	158.49558	203.54796	15.34661	0.2847768	0.17533907	3.1614301	20	2 18.6	21.6
467475 2006 RG_{7}	18.8	X	91.76318	192.10810	180.97967	22.02063	0.3500501	0.38084284	1.8849747	20	—	—
467476 2006 RK_{30}	16.6	X	142.06726	131.38455	219.37176	8.22755	0.0827791	0.17458133	3.1705713	20	1 16.4	21.4
467477 2006 SJ_{28}	18.0	X	30.55604	297.30054	321.90549	8.77562	0.1893620	0.28206975	2.3026700	20	8 26.9	20.3
467478 2006 SU_{124}	18.5	X	345.54138	81.76800	228.62058	3.39086	0.2703260	0.27944066	2.3170904	20	8 13.1	19.3
467479 2006 SS_{135}	15.5	X	186.65495	42.25984	261.01701	16.18484	0.2027010	0.17569171	3.1571984	20	1 9.8	21.0
467480 2006 SJ_{150}	18.4	X	348.11332	102.45944	197.97219	1.65885	0.2018001	0.27487303	2.3426889	20	7 30.2	19.7
467481 2006 SD_{151}	16.2	X	240.77362	58.97517	201.58693	22.25274	0.2609265	0.17378702	3.1802249	20	—	—
467482 2006 SB_{186}	17.8	X	324.34979	268.63550	24.98786	5.28565	0.1234976	0.26517133	2.3994867	20	5 28.1	20.3
467483 2006 SE_{321}	17.7	X	153.21033	34.92008	48.29817	6.10981	0.1652380	0.25719238	2.4488602	20	5 22.5	21.4
467484 2006 SJ_{321}	17.7	X	23.04148	184.86290	101.53615	3.21100	0.2053801	0.27980663	2.3150696	20	9 30.4	19.9
467485 2006 SL_{325}	16.4	X	196.29067	294.06182	24.12326	16.47238	0.2153755	0.17541308	3.1605408	20	2 12.1	22.1
467486 2006 SS_{356}	17.1	X	41.07281	48.36845	37.19836	14.25081	0.2539033	0.23211315	2.6222226	20	—	—
467487 2006 SS_{366}	16.0	X	183.13714	110.97475	208.68039	15.09758	0.1981342	0.17521257	3.1629516	20	1 23.9	21.6
467488 2006 TR_{48}	18.3	X	330.73943	288.10151	39.04462	7.60485	0.2884826	0.27524995	2.3405498	20	7 25.7	19.4
467489 2006 TG_{86}	17.4	X	309.11962	335.76153	10.21903	5.88389	0.2555937	0.27309151	2.3528663	20	6 30.4	19.4
467490 2006 TY_{97}	16.2	X	197.83914	120.22793	222.84548	24.87753	0.3128581	0.17857549	3.1231163	20	2 26.6	22.4
467491 2006 UW_{63}	18.2	X	325.70660	137.04774	186.11235	2.64345	0.2192590	0.27363868	2.3497287	20	7 7.2	19.9
467492 2006 UR_{64}	18.5	X	344.67566	283.32421	36.11266	2.98489	0.2339941	0.27747314	2.3280310	20	8 30.1	19.6
467493 2006 UV_{82}	18.4	X	329.96341	332.50180	2.46873	5.33117	0.2341861	0.27600623	2.3362723	20	8 13.1	19.6
467494 2006 UF_{97}	17.7	X	239.40354	212.52020	159.44180	3.40599	0.0871143	0.26180797	2.4199932	20	5 22.9	20.9
467495 2006 UZ_{156}	17.7	X	216.73600	243.90679	150.53861	2.01242	0.1452689	0.26249440	2.4157725	20	5 22.0	21.2
467496 2006 VM_{63}	18.0	X	327.39709	280.03006	64.25371	0.37248	0.3515636	0.27630484	2.3345887	20	8 6.2	18.2
467497 2006 VW_{122}	17.7	X	101.09079	146.24261	318.32308	2.06769	0.1016444	0.24604244	2.5222959	20	4 14.9	21.0
467498 2006 WM_{103}	17.7	X	25.17073	82.75463	72.20461	4.67076	0.2037823	0.23687987	2.5869256	20	3 3.9	19.8
467499 2006 WR_{167}	17.9	X	294.94386	273.49241	68.09941	6.12552	0.1938253	0.26605407	2.3941762	20	6 7.2	20.6
467500 2006 WU_{199}	15.9	X	189.22836	275.25029	61.60458	23.04418	0.2561800	0.17418985	3.1753199	20	3 3.8	21.9
467501 2006 XH_{34}	16.6	X	70.41970	92.92392	51.92457	5.52882	0.1524639	0.24221358	2.5488076	20	5 6.9	19.6
467502 2007 BS_{15}	17.4	X	353.70583	131.01674	119.02204	11.72818	0.2466977	0.23971572	2.5664829	20	5 17.7	19.5
467503 2007 BO_{38}	17.7	X	83.00191	354.34740	128.89425	15.17377	0.2088570	0.23831431	2.5765345	20	5 10.4	21.4
467504 2007 BK_{43}	17.7	X	81.44533	75.44079	45.23496	0.23144	0.1475919	0.23741987	2.5830016	20	4 18.8	20.9
467505 2007 BM_{100}	17.7	X	103.98260	2.93385	102.98287	1.63703	0.1162265	0.23687012	2.5869966	20	4 24.9	21.1
467506 2007 CD_{4}	16.8	X	309.10794	138.30455	122.68826	18.06764	0.1903658	0.23137943	2.6277632	20	3 15.6	20.4
467507 2007 CT_{28}	17.4	X	150.38023	156.06546	273.71094	0.99427	0.1647521	0.24453527	2.5326492	20	5 2.9	21.2
467508 2007 CK_{49}	17.4	X	82.77485	161.11725	301.99559	9.31242	0.1224476	0.23305286	2.6151690	20	3 18.9	20.9
467509 2007 CW_{50}	16.6	X	108.50828	263.01603	153.49172	28.93566	0.3353188	0.23402832	2.6078971	20	3 28.9	20.9
467510 2007 DZ_{14}	17.0	X	117.20420	83.19690	339.15404	21.82973	0.0384299	0.23022845	2.6365138	20	3 2.8	20.4
467511 2007 DP_{51}	17.2	X	320.89534	276.68377	344.42520	13.56969	0.2848671	0.22746204	2.6578477	20	3 10.9	20.4
467512 2007 EN_{66}	16.4	X	352.50955	148.47544	10.28307	14.21870	0.0475955	0.21814844	2.7329686	20	1 24.9	20.2
467513 2007 ES_{150}	17.3	X	266.72694	154.02972	163.13387	14.94104	0.1165850	0.23194978	2.6234537	20	4 12.7	21.1
467514 2007 ET_{153}	18.1	X	58.71679	47.17732	74.96837	4.45440	0.1275215	0.22724359	2.6595508	20	3 17.2	21.1
467515 2007 EE_{159}	17.4	X	299.11523	82.64823	207.59398	3.56161	0.1671232	0.22918119	2.6445396	20	4 7.3	20.8
467516 2007 EM_{217}	17.7	X	323.97142	19.65770	199.73159	4.33250	0.0881407	0.22360322	2.6883389	20	2 20.0	21.3
467517 2007 FQ_{12}	17.1	X	353.81147	264.67673	282.88281	6.28091	0.1801061	0.22416276	2.6838634	20	2 11.9	19.8
467518 2007 GC_{2}	16.9	X	313.32255	160.52952	76.42497	12.05739	0.0426468	0.22558499	2.6725710	20	3 13.9	20.7
467519 2007 GK_{3}	16.9	X	351.17216	348.89895	200.76341	13.71916	0.0792784	0.22046044	2.7138277	20	2 19.9	20.6
467520 2007 GA_{10}	16.0	X	269.11859	260.28200	26.03464	15.26032	0.2316617	0.22149153	2.7053988	20	2 28.5	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467521 2007 GV_{17}	16.8	X	351.91054	353.32700	221.89339	14.27630	0.1170755	0.22392498	2.6857630	20	3 23.2	20.0
467522 2007 GL_{32}	17.2	X	254.13173	228.62497	77.05047	5.88318	0.0987981	0.22095857	2.7097474	20	3 17.4	21.2
467523 2007 GT_{61}	16.9	X	354.28006	13.44469	189.61506	14.52015	0.1647499	0.22413587	2.6840781	20	3 7.7	19.8
467524 2007 HY_{83}	16.3	X	184.40665	196.57111	140.12895	16.27468	0.1448843	0.20491229	2.8494260	20	2 12.9	20.8
467525 2007 HL_{97}	17.0	X	304.56757	200.90550	48.56604	14.63758	0.1995306	0.21876575	2.7278250	20	2 25.9	21.0
467526 2007 KB_{3}	16.6	X	349.11210	220.14892	56.52407	19.56991	0.2279173	0.23263076	2.6183315	20	6 12.6	18.8
467527 2007 LA_{15}	19.5	X	222.51373	177.02638	152.61380	8.71919	0.3810356	0.43428239	1.7269824	20	2 17.8	22.5
467528 2007 MN_{27}	16.2	X	136.03467	192.99692	191.69699	13.92107	0.1294633	0.18977323	2.9990204	20	2 20.9	21.0
467529 2007 PU_{30}	16.4	X	233.86831	83.92865	248.20041	6.19807	0.3515386	0.20507531	2.8479157	20	3 9.3	21.8
467530 2007 RZ_{9}	18.3	X	356.44785	91.43481	244.78365	3.88628	0.2055681	0.30803695	2.1713717	20	11 1.8	19.9
467531 2007 RX_{45}	16.5	X	266.46035	45.93744	200.97536	10.63514	0.0744927	0.19005350	2.9960712	20	1 19.9	21.1
467532 2007 RX_{83}	16.1	X	156.75623	343.01148	6.73288	17.31138	0.2360882	0.18812254	3.0165382	20	2 17.2	21.4
467533 2007 RH_{117}	16.5	X	117.53840	168.13462	202.02404	7.10454	0.1123826	0.18192400	3.0846748	20	1 15.2	21.0
467534 2007 RN_{163}	15.8	X	168.53515	93.23264	174.68076	26.33469	0.1081975	0.17707297	3.1407585	20	—	—
467535 2007 RY_{209}	16.8	X	116.60823	281.47759	96.85963	3.51260	0.0985720	0.18278537	3.0749762	20	1 23.8	21.1
467536 2007 RR_{213}	16.6	X	156.79819	8.67383	346.86530	3.61966	0.2089697	0.18966585	3.0001522	20	2 16.0	21.5
467537 2007 RM_{296}	15.9	X	98.05153	156.64314	236.46597	15.03649	0.0790152	0.17287625	3.1913847	20	1 14.1	20.6
467538 2007 RX_{298}	17.7	X	302.54255	237.18706	130.04887	4.86924	0.1870049	0.30014756	2.2092566	20	8 6.9	19.4
467539 2007 RS_{308}	16.7	X	3.00779	301.84812	196.16202	9.41060	0.0404592	0.18248723	3.0783245	20	1 13.5	21.0
467540 2007 RG_{318}	17.0	X	314.30981	112.20296	194.57778	15.13120	0.2910201	0.21754257	2.7380405	20	5 5.5	20.1
467541 2007 TF_{1}	18.0	X	250.47010	212.16780	196.49459	3.28771	0.1530457	0.29285321	2.2457913	20	7 18.2	20.9
467542 2007 TC_{25}	18.4	X	326.94268	324.75175	26.18709	5.11241	0.1672805	0.29834444	2.2181492	20	9 12.2	19.7
467543 2007 TK_{31}	16.1	X	139.00984	150.37431	214.39299	16.21984	0.2246544	0.18204648	3.0832911	20	2 7.9	21.4
467544 2007 TU_{32}	16.1	X	125.50108	333.89213	43.58135	6.55017	0.2267143	0.18198641	3.0839695	20	2 18.7	21.0
467545 2007 TD_{41}	18.0	X	347.12385	130.31194	196.58222	3.39835	0.1994690	0.29861207	2.2168236	20	9 20.3	19.1
467546 2007 TJ_{51}	16.1	X	240.94725	245.12590	26.82958	11.20565	0.1773836	0.18683514	3.0303794	20	1 21.8	21.3
467547 2007 TZ_{51}	18.1	X	208.64557	204.78113	218.68046	2.83710	0.1411055	0.28482264	2.2878087	20	6 21.3	21.3
467548 2007 TE_{81}	17.6	X	42.51024	255.62061	24.20922	8.27426	0.1454278	0.30241182	2.1982152	20	10 13.4	20.0
467549 2007 TV_{88}	15.8	X	133.14528	284.32443	45.86947	14.19509	0.1927969	0.17517692	3.1633807	20	—	—
467550 2007 TY_{92}	18.2	X	305.94800	171.35478	188.49442	7.33131	0.2653401	0.29700981	2.2247891	20	7 14.9	19.9
467551 2007 TJ_{98}	16.2	X	207.25891	40.44700	197.93214	19.62357	0.1201971	0.17134731	3.2103412	20	—	—
467552 2007 TE_{104}	16.2	X	340.16329	95.10526	47.18210	16.73398	0.0405121	0.17220788	3.1996369	20	—	—
467553 2007 TF_{109}	16.4	X	308.26502	93.13695	206.48000	18.46539	0.3241992	0.21360222	2.7716106	20	4 8.1	20.0
467554 2007 TP_{119}	16.5	X	202.75520	66.03518	246.52700	3.45639	0.1169592	0.18233429	3.0800456	20	2 2.1	21.3
467555 2007 TQ_{129}	16.4	X	166.58507	302.83779	39.85633	10.96788	0.1937881	0.18345032	3.0675412	20	2 13.1	21.6
467556 2007 TG_{158}	18.2	X	21.88284	97.49729	231.05658	5.06389	0.2288270	0.30924526	2.1657119	20	12 7.7	20.5
467557 2007 TJ_{168}	17.7	X	286.64431	140.93591	240.66285	4.48694	0.1125697	0.29555649	2.2320764	20	8 8.7	20.1
467558 2007 TN_{191}	18.3	X	27.25930	112.02087	211.80292	3.64087	0.2145697	0.30951069	2.1644735	20	12 6.1	20.9
467559 2007 TL_{194}	16.2	X	191.00980	298.68151	28.48755	10.51653	0.1180779	0.18667063	3.0321595	20	2 13.3	21.1
467560 2007 TO_{196}	16.4	X	191.23257	133.35254	211.49815	9.90653	0.1718457	0.18941038	3.0028492	20	2 26.8	21.6
467561 2007 TV_{215}	15.6	X	125.71487	141.16902	238.76931	9.62646	0.1069265	0.17953858	3.1119374	20	2 2.5	20.3
467562 2007 TG_{216}	16.2	X	105.44038	358.06867	32.12544	9.51281	0.1022066	0.17696614	3.1420223	20	1 28.9	20.8
467563 2007 TT_{216}	16.0	X	159.91863	82.82847	225.88443	23.93833	0.2331372	0.17594897	3.1541202	20	—	—
467564 2007 TS_{230}	16.4	X	123.98037	319.81384	54.89636	8.55023	0.1973732	0.17968328	3.1102665	20	2 11.7	21.3
467565 2007 TL_{243}	17.9	X	333.07392	38.69192	315.33686	6.52282	0.1740772	0.30217567	2.1993603	20	9 28.0	19.3
467566 2007 TS_{268}	18.0	X	178.08664	37.09294	44.41481	2.41954	0.0737968	0.28345041	2.2951866	20	6 14.1	21.0
467567 2007 TV_{286}	16.0	X	90.25687	330.28555	71.11955	7.92504	0.1366802	0.17724869	3.1386823	20	1 26.9	20.3
467568 2007 TF_{292}	16.4	X	81.71670	199.21937	197.24043	8.16674	0.1761789	0.17623705	3.1506820	20	1 12.2	20.6
467569 2007 TN_{305}	17.7	X	243.97629	292.33091	113.34375	4.78614	0.1245236	0.28873923	2.2670731	20	7 10.1	20.3
467570 2007 TU_{332}	16.5	X	169.21516	98.53142	233.60394	9.50064	0.0856043	0.17976184	3.1093603	20	1 21.6	21.4
467571 2007 TD_{354}	16.2	X	83.54368	333.32360	72.76974	12.29405	0.1413251	0.17841651	3.1249712	20	1 24.6	20.4
467572 2007 TL_{386}	15.9	X	112.08870	166.54086	219.89410	15.51256	0.2108260	0.17885997	3.1198037	20	2 6.5	20.9
467573 2007 TQ_{431}	16.0	X	194.70854	243.30698	61.16804	11.84908	0.0441926	0.17454869	3.1709665	20	1 19.0	20.8
467574 2007 TU_{432}	18.0	X	322.99678	139.76797	203.64326	4.37822	0.2030928	0.29675587	2.2260582	20	8 10.6	19.2
467575 2007 TE_{435}	15.9	X	173.21670	260.57562	62.34546	10.39213	0.0664709	0.17725110	3.1386538	20	1 18.2	20.7
467576 2007 TY_{447}	17.4	X	356.43586	256.86690	64.35011	6.68509	0.1958648	0.29674920	2.2260915	20	10 7.4	19.1
467577 2007 UN_{2}	16.6	X	177.95500	45.02785	309.37772	2.92527	0.1752579	0.19321774	2.9632711	20	2 28.9	21.6
467578 2007 UV_{2}	17.6	X	203.30570	357.76975	63.56817	7.77945	0.1257793	0.28273968	2.2990312	20	6 13.2	20.9
467579 2007 US_{15}	16.4	X	185.56414	118.23601	189.63427	9.32981	0.0632791	0.18304834	3.0720305	20	1 9.7	21.2
467580 2007 UB_{33}	16.5	X	155.14737	174.67473	234.43887	24.49930	0.1926894	0.27196339	2.3593684	20	4 8.2	20.6
467581 2007 UN_{50}	17.2	X	181.17586	307.03270	62.60315	22.57323	0.0281342	0.34393726	2.0175140	20	3 18.3	20.2
467582 2007 UK_{74}	18.0	X	54.00976	53.07950	221.24426	5.90891	0.1949156	0.30259418	2.1973319	20	10 27.3	20.9
467583 2007 UW_{86}	18.2	X	341.16326	136.32030	211.28574	4.56313	0.1616384	0.29918943	2.2139708	20	10 8.2	19.5
467584 2007 UC_{88}	15.7	X	105.64785	151.96901	238.27062	14.97441	0.0799891	0.17500075	3.1655034	20	1 19.1	20.4
467585 2007 UO_{101}	18.2	X	343.87515	289.40259	52.41892	3.19109	0.2285118	0.29953980	2.2122440	20	10 15.5	19.3
467586 2007 UH_{110}	16.7	X	14.88450	35.59316	56.20561	2.04830	0.0714297	0.17062595	3.2193831	20	—	—
467587 2007 UW_{131}	16.5	X	300.67007	140.59819	40.76586	9.97357	0.0235937	0.17550915	3.1593874	20	—	—
467588 2007 UD_{141}	16.2	X	112.27924	353.68534	28.42371	10.82598	0.0905897	0.17516944	3.1634707	20	1 26.3	20.9
467589 2007 UT_{141}	17.8	X	157.35486	244.64362	215.31562	5.83499	0.0903507	0.27616836	2.3353579	20	6 15.5	21.1
467590 2007 VG_{5}	15.7	X	94.62861	142.96107	238.35202	9.95014	0.1288014	0.17548072	3.1597285	20	1 4.6	20.1
467591 2007 VA_{33}	16.0	X	29.28651	220.05765	237.31253	13.62194	0.0797389	0.17327847	3.1864442	20	—	—
467592 2007 VX_{122}	16.3	X	91.03063	358.48197	31.54593	17.42766	0.0796639	0.17740822	3.1368004	20	1 6.0	20.9
467593 2007 VK_{131}	16.5	X	163.18938	127.95926	224.75676	5.05969	0.1416716	0.18583108	3.0412852	20	2 12.1	21.3
467594 2007 VA_{136}	18.4	X	84.63845	131.15345	65.05010	6.18224	0.0704600	0.28598976	2.2815801	20	7 29.9	21.3
467595 2007 VW_{154}	16.0	X	66.28289	22.21998	27.92459	9.80535	0.0712861	0.17084773	3.2165964	20	—	—
467596 2007 VH_{214}	16.5	X	134.06328	148.25347	204.41713	8.65314	0.1111195	0.17489549	3.1667734	20	1 13.4	21.3
467597 2007 VA_{218}	16.0	X	151.24190	100.72338	238.20274	10.09594	0.0535343	0.17255508	3.1953435	20	1 9.9	20.8
467598 2007 VW_{235}	16.0	X	33.42371	61.05085	26.72700	10.64765	0.0441063	0.17296717	3.1902663	20	—	—
467599 2007 VD_{251}	15.8	X	132.56741	296.20482	72.05515	12.15056	0.1342305	0.17910536	3.1169535	20	2 5.9	20.6
467600 2007 VA_{253}	16.2	X	157.77226	200.75061	177.32996	8.34346	0.2564996	0.18716066	3.0268646	20	3 15.6	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467601 2007 VE_{257}	17.8	X	174.73681	333.39492	111.50096	6.47851	0.1591254	0.27884803	2.3203723	20	6 15.4	21.4
467602 2007 VF_{273}	17.6	X	290.52729	301.52390	60.47873	12.49489	0.1351494	0.29032161	2.2588279	20	7 14.6	20.1
467603 2007 VD_{284}	16.3	X	87.98466	314.82791	72.35822	7.06998	0.0393703	0.16906198	3.2392073	20	—	—
467604 2007 VG_{294}	18.3	X	139.77325	306.64804	197.59119	6.16357	0.0659925	0.28347228	2.2950685	20	7 23.6	21.4
467605 2007 VU_{298}	15.3	X	91.01452	296.10425	91.99793	27.24779	0.2918323	0.17432884	3.1736319	20	2 4.4	20.0
467606 2007 VK_{299}	17.8	X	166.00172	358.55864	90.99892	3.13259	0.1760300	0.27719946	2.3295630	20	6 13.0	21.3
467607 2007 VC_{315}	17.8	X	298.36364	299.72147	67.12876	7.15151	0.2359567	0.28774229	2.2723066	20	7 18.1	19.9
467608 2007 WT_{36}	18.5	X	256.66057	93.53823	55.87565	23.86685	0.0943320	0.38714062	1.8644764	20	—	—
467609 2008 AV_{28}	19.4	X	359.88669	5.92868	304.57136	15.29365	0.3367069	0.75964011	1.1895904	20	—	—
467610 2008 AU_{73}	18.1	X	102.33790	249.27216	240.23362	3.35267	0.1672425	0.26309193	2.4121133	20	5 30.7	21.5
467611 2008 AK_{87}	17.8	X	126.28820	267.20066	224.03331	2.09711	0.1053800	0.26679053	2.3897682	20	6 23.1	21.0
467612 2008 AA_{114}	18.3	X	89.28886	346.11153	163.21644	1.50620	0.1371004	0.26123465	2.4235326	20	6 6.5	21.4
467613 2008 AU_{116}	15.6	X	110.05035	220.67719	142.37140	10.87091	0.0358742	0.15424990	3.4433893	20	—	—
467614 2008 CS_{16}	18.1	X	92.59926	352.51434	151.43420	1.92285	0.1248912	0.25940568	2.4349108	20	6 1.6	21.1
467615 2008 CZ_{51}	18.0	X	122.32497	272.67600	184.57035	0.69345	0.1684384	0.26369171	2.4084542	20	5 10.2	21.5
467616 2008 CJ_{142}	17.8	X	58.86062	35.59768	159.18815	8.04661	0.0661681	0.26034225	2.4290677	20	6 16.3	20.8
467617 2008 CU_{162}	18.2	X	49.47013	248.90335	303.54470	1.44973	0.1523418	0.25917101	2.4363804	20	6 10.8	20.6
467618 2008 CG_{209}	17.8	X	136.39937	206.33139	266.82785	3.99917	0.1426157	0.26661403	2.3908228	20	6 13.1	21.2
467619 2008 CH_{211}	17.5	X	29.04254	122.76507	89.48130	6.11999	0.1329135	0.26079812	2.4262362	20	5 31.9	19.7
467620 2008 DL_{16}	17.5	X	40.96971	119.48662	95.88376	3.47467	0.1482272	0.25700449	2.4500536	20	6 30.0	19.7
467621 2008 DZ_{31}	17.2	X	142.03739	335.19240	138.33790	7.84285	0.0939037	0.26296675	2.4128787	20	6 16.9	20.7
467622 2008 EX_{39}	17.7	X	25.47699	39.96589	190.69600	11.91714	0.2203329	0.25478406	2.4642677	20	7 3.3	20.2
467623 2008 FW_{8}	17.7	X	44.28194	187.96942	10.99418	6.86000	0.0762506	0.25897662	2.4375995	20	5 29.4	20.6
467624 2008 GX_{42}	18.3	X	75.18428	316.43845	192.80742	2.36461	0.1130920	0.25251221	2.4790262	20	5 13.8	21.2
467625 2008 GR_{102}	17.7	X	327.77642	112.88500	95.76352	4.39174	0.1589968	0.23533850	2.5982089	20	2 1.3	20.7
467626 2008 GR_{136}	17.8	X	299.40361	88.12949	203.62104	11.34348	0.2735172	0.24108534	2.5567534	20	3 21.9	21.5
467627 2008 HV_{19}	17.2	X	289.27904	128.68162	194.36469	16.96227	0.2431935	0.24401575	2.5362427	20	4 27.7	20.6
467628 2008 KK_{42}	16.8	X	267.69358	228.92290	109.56097	20.52887	0.3297486	0.23909461	2.5709257	20	4 22.7	21.4
467629 2008 LA_{4}	16.6	X	4.17191	56.84160	82.83577	14.26577	0.1184074	0.23019110	2.6367991	20	1 2.8	19.5
467630 2008 LV_{4}	17.5	X	340.93531	128.21417	109.34861	5.35027	0.1794283	0.23542430	2.5975775	20	4 3.1	20.1
467631 2008 PY_{17}	16.7	X	268.00663	73.40357	260.99049	10.21534	0.3221862	0.22991794	2.6388871	20	4 4.9	21.2
467632 2008 QB_{28}	16.8	X	267.90384	188.43903	144.95850	15.07745	0.2932797	0.22948653	2.6421933	20	4 15.7	21.2
467633 2008 QQ_{34}	16.8	X	282.48511	258.88615	73.36978	16.04658	0.2765236	0.23300491	2.6155277	20	5 1.2	20.7
467634 2008 RD_{30}	17.1	X	224.45915	345.73066	336.31072	1.08861	0.2036549	0.21561282	2.7543534	20	2 28.1	21.8
467635 2008 RV_{54}	14.2	X	69.89350	40.50092	233.32470	6.30433	0.0105823	0.08456146	5.1406859	20	9 14.4	21.1
467636 2008 RZ_{71}	16.7	X	236.53748	8.90553	333.55410	9.89114	0.1868663	0.22430871	2.6826990	20	3 30.3	21.2
467637 2008 RE_{111}	17.2	X	244.02902	304.23194	9.26996	6.26374	0.0607873	0.21655515	2.7463573	20	3 17.6	21.1
467638 2008 RJ_{115}	17.5	X	257.87413	130.49141	181.60656	6.65577	0.1008867	0.22154464	2.7049664	20	3 26.4	21.3
467639 2008 RN_{125}	17.1	X	176.58810	163.27733	192.33638	4.22128	0.0823748	0.21088205	2.7953936	20	2 23.7	21.3
467640 2008 RQ_{128}	17.1	X	129.29052	146.23436	242.76262	7.85763	0.0915325	0.20334956	2.8640058	20	2 12.7	21.3
467641 2008 SY_{12}	16.9	X	198.82515	230.01457	87.61838	3.20272	0.0619752	0.20537466	2.8451476	20	2 3.2	21.0
467642 2008 SX_{16}	16.7	X	203.54896	144.86123	209.02170	6.43913	0.1835168	0.21461495	2.7628845	20	3 18.5	21.4
467643 2008 SN_{50}	17.1	X	249.35710	141.83308	184.28875	12.70255	0.1819338	0.22118823	2.7078714	20	3 26.7	21.3
467644 2008 SQ_{90}	13.7	X	343.55560	193.87190	203.05087	29.04797	0.0608970	0.08384556	5.1699064	20	10 26.1	20.3
467645 2008 SP_{186}	17.3	X	226.34118	31.49173	287.17258	3.31054	0.0541710	0.20932105	2.8092741	20	3 2.8	21.3
467646 2008 SY_{186}	17.0	X	220.43464	51.08253	282.80603	2.91353	0.1049265	0.21222575	2.7835818	20	3 12.3	21.2
467647 2008 SM_{192}	17.0	X	200.20338	194.06219	157.94382	5.43414	0.1415099	0.21025872	2.8009157	20	3 16.3	21.4
467648 2008 SC_{211}	16.6	X	345.08825	81.39399	222.74621	11.24580	0.1964263	0.23911905	2.5707505	20	7 19.6	19.1
467649 2008 SN_{211}	16.0	X	187.13105	276.95181	80.74122	20.93380	0.2100994	0.20966657	2.8061869	20	3 22.9	21.2
467650 2008 ST_{265}	16.2	X	185.58788	302.36654	64.65668	8.79237	0.2396249	0.21129775	2.7917260	20	3 25.9	21.2
467651 2008 SF_{289}	16.6	X	17.12576	240.98483	211.94024	11.49990	0.1260986	0.18721389	3.0262909	20	—	—
467652 2008 SK_{295}	16.2	X	206.85957	50.16014	261.54079	11.19099	0.2190315	0.20903022	2.8118792	20	1 30.4	21.3
467653 2008 TS_{82}	16.2	X	330.90814	251.66237	334.61995	10.61669	0.1506650	0.22238675	2.6981335	20	3 2.2	19.2
467654 2008 TB_{100}	17.2	X	160.09408	311.26296	58.46788	2.77587	0.0867391	0.20549429	2.8440434	20	2 26.8	21.4
467655 2008 TR_{116}	16.7	X	251.62584	90.99774	228.80626	16.22685	0.1989351	0.21871613	2.7282375	20	3 14.5	21.3
467656 2008 TB_{139}	17.3	X	300.05138	72.11305	222.77151	10.97095	0.3029835	0.22636894	2.6663971	20	3 22.4	21.0
467657 2008 TB_{150}	17.3	X	221.15516	166.51498	163.70037	4.52791	0.1049843	0.21324060	2.7747431	20	3 10.2	21.6
467658 2008 TE_{151}	16.7	X	293.54780	211.15561	37.46792	6.87480	0.0168777	0.20965561	2.8062847	20	3 4.9	20.6
467659 2008 TD_{163}	16.8	X	187.19724	278.15172	94.14697	8.71998	0.2395597	0.21240255	2.7820370	20	4 2.3	21.8
467660 2008 TQ_{166}	16.9	X	271.22639	210.20199	37.49561	12.56639	0.0077860	0.19890306	2.9065318	20	2 10.0	21.2
467661 2008 TZ_{167}	17.3	X	156.41572	199.47903	178.91006	1.84138	0.0852396	0.20462633	2.8520800	20	3 2.8	21.4
467662 2008 TW_{169}	17.5	X	205.15999	296.44864	57.48677	3.43521	0.1957660	0.21283752	2.7782453	20	3 22.8	22.1
467663 2008 UH_{62}	16.1	X	33.56996	20.76664	37.76645	22.99442	0.1096950	0.18096424	3.0955718	20	—	—
467664 2008 UK_{67}	16.2	X	21.33165	68.46224	34.66681	10.75802	0.1128849	0.18534713	3.0465769	20	—	—
467665 2008 UC_{90}	17.6	X	61.02146	141.45787	219.48640	30.55352	0.2262619	0.34928138	1.9968821	20	—	—
467666 2008 UZ_{95}	16.8	X	247.80147	303.80433	44.75697	13.79028	0.2810666	0.22378185	2.6869081	20	4 16.2	21.3
467667 2008 UY_{98}	16.8	X	269.04469	314.86792	5.60751	13.07831	0.2692515	0.22350774	2.6891045	20	3 29.1	21.1
467668 2008 UQ_{106}	16.9	X	233.14584	292.49393	25.10003	6.65940	0.0496710	0.21197960	2.7857363	20	3 12.9	20.9
467669 2008 UH_{116}	16.3	X	96.55662	30.77012	19.59068	9.57920	0.0840226	0.19360015	2.9593676	20	2 7.1	20.5
467670 2008 UJ_{120}	16.4	X	5.69089	213.09535	274.95569	9.07640	0.0337983	0.18914355	3.0056728	20	1 5.4	20.4
467671 2008 UV_{121}	16.8	X	226.36965	53.83643	278.94632	6.63573	0.2267806	0.21191513	2.7863013	20	3 9.2	21.7
467672 2008 UH_{128}	16.1	X	44.59807	19.78675	72.46042	9.47991	0.0567464	0.18651544	3.0338413	20	1 15.4	20.1
467673 2008 UV_{160}	16.5	X	147.26484	49.33046	275.88300	10.57117	0.0311584	0.19061212	2.9902147	20	—	—
467674 2008 UW_{172}	16.3	X	340.62462	271.13829	231.82939	14.53338	0.0945131	0.18525794	3.0475546	20	—	—
467675 2008 UG_{188}	16.7	X	353.30363	42.09951	73.55819	17.80411	0.2139495	0.17711447	3.1402678	20	—	—
467676 2008 UD_{192}	16.1	X	9.99428	238.44102	208.21632	15.98055	0.2151088	0.17881909	3.1202793	20	—	—
467677 2008 UZ_{206}	16.7	X	294.22023	33.55503	210.72050	4.54139	0.1089608	0.20990850	2.8040303	20	2 11.2	20.6
467678 2008 UR_{220}	16.8	X	248.40372	87.70672	229.43044	19.23780	0.1995169	0.21338841	2.7734616	20	3 7.4	21.7
467679 2008 US_{234}	16.7	X	26.25060	229.21171	224.48397	11.65770	0.1239086	0.18929529	3.0040663	20	—	—
467680 2008 UA_{240}	16.4	X	68.24709	60.89256	17.04154	9.93361	0.0917092	0.19142849	2.9817072	20	2 4.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467681 2008 UF_{240}	15.8	X	77.39289	129.52318	252.80032	14.79854	0.0631819	0.18305241	3.0719850	20	—	—
467682 2008 UB_{275}	16.7	X	247.79829	95.10820	229.92827	14.57264	0.3082278	0.21716153	2.7412425	20	3 9.9	21.8
467683 2008 UJ_{279}	16.4	X	356.66521	56.91984	41.18972	18.72951	0.0843151	0.18166933	3.0875569	20	—	—
467684 2008 UH_{290}	16.5	X	162.51337	291.76611	80.04523	12.09867	0.1093614	0.19926544	2.9030068	20	3 9.7	21.2
467685 2008 UG_{306}	16.2	X	298.19516	273.73219	248.79694	11.21218	0.0893316	0.18151076	3.0893549	20	—	—
467686 2008 UO_{311}	16.4	X	53.82159	67.15527	355.71038	9.11805	0.0890746	0.18458038	3.0550081	20	—	—
467687 2008 UO_{345}	16.7	X	6.21761	58.91261	43.04135	8.14271	0.1429298	0.17880217	3.1204760	20	—	—
467688 2008 UX_{356}	16.6	X	133.45563	319.92354	52.57318	15.31946	0.0467540	0.19071790	2.9891089	20	2 1.7	21.2
467689 2008 UU_{357}	16.7	X	66.95903	201.79554	215.65471	5.94417	0.0856240	0.18445134	3.0564327	20	1 4.6	20.7
467690 2008 VV_{27}	16.3	X	55.61458	189.57248	238.63571	8.71740	0.1758000	0.18705660	3.0279872	20	1 8.9	19.8
467691 2008 VA_{33}	16.9	X	230.74766	256.82885	73.41434	9.80842	0.1375014	0.20978544	2.8051268	20	3 23.2	21.4
467692 2008 VK_{42}	16.6	X	176.36452	270.43399	80.94073	8.60503	0.0249554	0.19865471	2.9089537	20	2 21.4	20.9
467693 2008 VW_{67}	16.5	X	246.35463	262.10091	73.71880	10.84895	0.3286667	0.21855168	2.7296059	20	3 30.6	21.5
467694 2008 VS_{74}	16.4	X	357.01632	32.55130	64.18482	14.15063	0.1035767	0.17815425	3.1280374	20	—	—
467695 2008 WT_{37}	16.4	X	16.87649	197.93207	240.82652	6.90660	0.1840364	0.17777182	3.1325218	20	—	—
467696 2008 WH_{41}	16.8	X	359.07577	24.84874	73.83521	6.18197	0.2207043	0.17631548	3.1497476	20	—	—
467697 2008 WW_{46}	16.7	X	127.86104	319.22086	64.94813	11.14201	0.1304162	0.19291525	2.9663679	20	2 19.3	21.3
467698 2008 WR_{53}	17.3	X	101.06708	259.94880	144.94534	3.05787	0.0301708	0.19487285	2.9464686	20	1 25.2	21.3
467699 2008 WL_{78}	16.3	X	113.81155	296.30941	85.88400	10.06624	0.1665775	0.19058188	2.9905311	20	2 3.7	20.7
467700 2008 WR_{93}	16.2	X	143.48544	343.21791	47.88931	11.33924	0.1236743	0.19829867	2.9124346	20	3 14.5	20.8
467701 2008 WY_{125}	16.0	X	48.33289	340.11373	101.26121	10.40409	0.0634660	0.17710948	3.1403268	20	1 8.5	20.1
467702 2008 WS_{129}	16.2	X	39.02642	20.81705	77.08049	7.45341	0.0782232	0.18559270	3.0438888	20	1 15.5	20.0
467703 2008 XE_{24}	16.5	X	51.18475	53.13492	38.31306	11.87974	0.0970334	0.18880624	3.0092515	20	1 29.2	20.5
467704 2008 XP_{48}	15.8	X	333.69769	40.16013	109.75511	27.90143	0.1635792	0.17252397	3.1957276	20	—	—
467705 2008 YQ_{48}	16.3	X	83.16477	280.74075	111.05109	9.71273	0.0876354	0.17380037	3.1800620	20	—	—
467706 2008 YH_{54}	17.8	X	165.50500	148.30110	342.82283	4.39546	0.0953749	0.30106407	2.2047707	20	8 9.9	20.6
467707 2008 YY_{100}	18.3	X	99.80200	100.76119	132.31276	3.79372	0.0763766	0.31090251	2.1580089	20	10 14.9	21.0
467708 2008 YV_{111}	16.6	X	122.32016	299.04552	84.74237	11.21904	0.0984693	0.19089202	2.9872910	20	2 6.9	21.0
467709 2008 YQ_{115}	15.5	X	1.61936	1.69192	106.28202	15.73423	0.1571862	0.17251821	3.1957987	20	—	—
467710 2009 AG_{1}	15.7	X	184.37250	207.49356	101.75373	11.68372	0.0348393	0.18087667	3.0965708	20	1 10.6	20.3
467711 2009 AH_{13}	16.5	X	302.42432	26.88551	132.84643	6.69829	0.0802592	0.16899953	3.2400053	20	—	—
467712 2009 AT_{30}	16.2	X	339.00977	47.04028	105.06279	10.49188	0.0499936	0.17796729	3.1302277	20	1 1.1	20.5
467713 2009 BJ_{21}	17.6	X	82.95604	358.70039	261.43373	3.55448	0.0683720	0.31353356	2.1459192	20	10 28.3	20.1
467714 2009 BZ_{27}	15.8	X	179.40210	336.74356	307.81826	17.42760	0.0826417	0.16796472	3.2532991	20	—	—
467715 2009 BJ_{34}	16.1	X	88.88075	290.38249	119.00103	11.42540	0.1077482	0.17797775	3.1301051	20	1 29.4	20.4
467716 2009 BA_{69}	16.4	X	52.28429	292.94167	142.19866	17.97767	0.1130396	0.17294656	3.1905197	20	1 10.9	20.6
467717 2009 BM_{70}	15.8	X	54.96283	299.99182	119.84117	27.05820	0.1825476	0.17447114	3.1719060	20	1 3.8	19.6
467718 2009 BD_{167}	18.6	X	57.91935	73.61155	141.02597	6.76354	0.1941689	0.28580964	2.2825386	20	8 6.2	21.2
467719 2009 CW_{48}	16.2	X	10.22410	1.03786	129.45230	12.90260	0.0432578	0.17802755	3.1295212	20	1 15.9	20.4
467720 2009 DW_{11}	17.6	X	134.62546	175.80518	348.35613	3.79969	0.1268827	0.29761880	2.2217532	20	8 21.2	20.6
467721 2009 DJ_{17}	17.3	X	55.16842	133.28423	162.51659	22.27196	0.1685524	0.30579898	2.1819529	20	11 28.4	20.8
467722 2009 DR_{117}	17.6	X	167.94836	150.56575	330.92866	6.16285	0.0851589	0.29482004	2.2357919	20	7 30.1	20.5
467723 2009 FN_{8}	18.5	X	141.91796	8.85736	154.58384	5.03071	0.0431268	0.29444963	2.2376666	20	8 24.5	21.3
467724 2009 FA_{63}	18.2	X	88.50040	334.65795	220.30357	3.87202	0.1262985	0.28409567	2.2917099	20	8 6.9	21.3
467725 2009 FY_{73}	18.0	X	30.81250	193.71567	92.16516	3.72574	0.1743546	0.28812438	2.2702972	20	10 8.9	20.4
467726 2009 HM_{23}	18.8	X	67.04025	228.39619	344.57046	0.70839	0.1761015	0.28385911	2.2929829	20	8 13.8	21.5
467727 2009 HZ_{65}	18.3	X	13.30953	149.29238	136.70427	5.68298	0.2277504	0.27895104	2.3198010	20	9 14.9	20.1
467728 2009 HF_{99}	17.6	X	227.41861	349.06178	57.80575	4.16779	0.1612394	0.28121670	2.3073243	20	6 17.1	21.0
467729 2009 HP_{105}	18.6	X	53.89321	63.61375	151.63244	5.68484	0.1830118	0.27764969	2.3270440	20	7 28.8	21.3
467730 2009 JY_{17}	17.4	X	25.14905	47.83179	232.01874	24.23775	0.1183503	0.28382722	2.2931547	20	8 26.7	20.6
467731 2009 MA_{5}	17.2	X	178.02528	99.58807	288.37950	13.16862	0.0221482	0.24685893	2.5167311	20	3 24.7	20.9
467732 2009 OK_{13}	17.6	X	311.12025	178.01087	146.21792	2.69199	0.1787914	0.26179541	2.4200706	20	6 12.5	19.9
467733 2009 PH_{11}	17.6	X	338.20579	142.43494	159.83453	7.14988	0.2169513	0.26472599	2.4021769	20	7 3.1	19.3
467734 2009 PQ_{13}	17.9	X	294.74836	56.13989	286.13259	3.81879	0.1859588	0.26063016	2.4272784	20	6 9.3	20.7
467735 2009 PV_{19}	17.0	X	119.87298	57.74196	340.18915	8.38703	0.2434695	0.22290729	2.6939314	20	3 3.5	20.9
467736 2009 RQ	17.6	X	326.89430	134.42539	186.21484	4.88016	0.2246225	0.26264775	2.4148320	20	7 3.8	19.4
467737 2009 RS_{14}	18.5	X	347.08882	232.60961	183.27443	21.39802	0.1065204	0.37544121	1.9030116	20	—	—
467738 2009 RS_{15}	17.3	X	228.45144	148.15072	189.83523	10.80909	0.0939500	0.23551803	2.5968883	20	3 25.7	21.1
467739 2009 RJ_{17}	17.7	X	286.99040	118.84940	173.73857	3.75987	0.1227033	0.24103967	2.5570764	20	4 1.1	20.9
467740 2009 RH_{24}	17.5	X	221.04388	349.48667	0.51918	13.23701	0.1110607	0.24092558	2.5578836	20	3 30.4	21.5
467741 2009 ST_{21}	17.5	X	329.10943	90.67543	234.58319	10.07601	0.2807532	0.26197606	2.4189579	20	7 8.4	19.2
467742 2009 SS_{28}	17.4	X	201.86040	357.45385	8.46260	10.73905	0.1197175	0.23543395	2.5975066	20	4 1.3	21.2
467743 2009 SB_{57}	14.2	X	26.51463	56.76240	261.09998	7.39762	0.0877112	0.08463699	5.1376272	20	9 20.0	20.8
467744 2009 SS_{64}	17.6	X	209.10477	201.18091	166.49738	1.55905	0.0609320	0.24113145	2.5564275	20	4 13.5	21.1
467745 2009 SM_{94}	17.9	X	139.35146	210.36606	213.51886	1.99243	0.0717513	0.23647372	2.5898869	20	4 5.9	21.5
467746 2009 SB_{143}	13.7	X	333.49531	163.09248	200.98975	20.76082	0.0528245	0.08196044	5.2488785	20	9 2.2	20.6
467747 2009 SK_{156}	18.5	X	322.89110	163.29428	155.75160	2.32406	0.2184259	0.25813555	2.4428915	20	6 22.2	20.4
467748 2009 SK_{186}	14.1	X	301.42011	357.92712	48.42200	9.48681	0.0773908	0.08143231	5.2715484	20	9 15.9	20.9
467749 2009 SC_{189}	16.9	X	268.81690	325.14998	357.85964	15.12449	0.1462154	0.24314817	2.5422722	20	4 10.3	20.7
467750 2009 SL_{199}	14.2	X	320.91793	154.35908	228.19656	7.69294	0.0789382	0.08357053	5.1812427	20	9 6.5	20.9
467751 2009 SX_{296}	17.6	X	216.66517	186.98029	186.85531	13.52057	0.1851252	0.24348980	2.5398936	20	4 25.1	21.8
467752 2009 SP_{340}	14.1	X	298.24782	202.46184	208.42823	10.73479	0.0440301	0.08209946	5.2429516	20	9 14.2	21.0
467753 2009 SU_{344}	17.3	X	245.74773	315.83839	23.40903	14.21764	0.1322394	0.24008863	2.5638247	20	4 12.0	20.9
467754 2009 TL_{14}	16.8	X	153.97576	209.63881	211.59126	32.90364	0.2441449	0.22952165	2.6419238	20	4 30.6	21.4
467755 2009 US_{18}	16.2	X	61.35064	223.47176	235.60773	11.44718	0.1796652	0.21350666	2.7724375	20	2 19.8	19.6
467756 2009 UA_{64}	17.4	X	156.58564	1.25232	51.54537	10.02289	0.1130168	0.23175265	2.6249412	20	4 17.5	21.4
467757 2009 UJ_{68}	17.1	X	136.27600	19.20979	45.91545	15.85939	0.1150791	0.22873025	2.6480142	20	4 13.8	21.1
467758 2009 UH_{99}	16.4	X	302.15139	208.71583	50.89096	15.78701	0.0608956	0.22773660	2.6557111	20	3 27.1	20.1
467759 2009 UJ_{135}	16.5	X	170.55503	280.68914	48.62079	12.58153	0.1022021	0.21508827	2.7588297	20	1 21.3	20.9
467760 2009 UM_{139}	17.7	X	289.07061	312.96052	88.79392	15.67909	0.2378053	0.35492413	1.9756607	20	9 23.6	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467761 2009 UL_{146}	17.2	X	216.62916	313.01576	41.27201	9.46712	0.1230624	0.23222384	2.6213892	20	4 4.7	21.2
467762 2009 UY_{149}	16.8	X	311.46890	47.29409	229.11023	11.46773	0.1559180	0.23632491	2.5909740	20	4 5.3	20.1
467763 2009 UV_{150}	16.6	X	314.55968	107.25397	53.13506	12.59481	0.0588757	0.20261162	2.8709556	20	—	—
467764 2009 VF_{5}	16.9	X	37.40205	222.35078	254.63868	4.10430	0.1279480	0.21060308	2.7978617	20	2 1.5	20.0
467765 2009 VU_{6}	17.6	X	43.85820	235.69562	241.93815	3.90345	0.1208743	0.21408313	2.7674583	20	2 11.9	20.7
467766 2009 VV_{14}	17.1	X	215.97303	330.18177	30.61565	8.13743	0.2060866	0.23503225	2.6004654	20	4 7.2	21.4
467767 2009 VC_{26}	18.2	X	32.43957	164.55763	227.05894	19.30706	0.0757974	0.37920824	1.8903876	20	—	—
467768 2009 VK_{26}	17.8	X	232.96267	304.97337	54.97132	8.21178	0.2026200	0.24137649	2.5546971	20	4 21.4	21.9
467769 2009 VR_{40}	17.6	X	129.92602	82.87163	244.97162	15.72448	0.1064630	0.38862172	1.8597362	20	—	—
467770 2009 VL_{47}	16.6	X	302.10887	43.45795	216.27126	8.87158	0.0979515	0.22586977	2.6703241	20	3 10.3	20.3
467771 2009 VS_{65}	17.3	X	246.68881	331.19211	26.99276	5.00560	0.2186181	0.24040627	2.5615658	20	4 28.3	21.4
467772 2009 VX_{78}	15.8	X	44.74464	211.54215	255.46500	24.47793	0.1273500	0.21090438	2.7951963	20	1 23.3	19.5
467773 2009 VC_{82}	16.9	X	263.51090	208.28635	56.42082	6.96909	0.0490071	0.21542150	2.7559840	20	2 11.9	20.9
467774 2009 VL_{103}	15.9	X	341.97426	198.58519	278.23517	15.10082	0.2924073	0.18527755	3.0473395	20	—	—
467775 2009 VW_{107}	16.9	X	130.65349	16.53936	53.99639	5.05402	0.0776808	0.22626336	2.6672265	20	4 7.6	20.7
467776 2009 VF_{113}	17.0	X	155.99359	316.93427	68.54018	9.91374	0.1558275	0.22108845	2.7086861	20	3 20.4	21.4
467777 2009 WM_{24}	14.0	X	355.80120	305.00054	60.71646	23.02680	0.1235970	0.08306232	5.2023552	20	10 17.4	20.5
467778 2009 WZ_{33}	16.2	X	263.23630	231.50559	80.62257	11.38192	0.1431237	0.22875966	2.6477873	20	4 2.1	20.3
467779 2009 WT_{48}	13.3	X	39.39663	90.51464	238.29201	16.93631	0.0144385	0.08497839	5.1238574	20	10 10.9	20.2
467780 2009 WV_{65}	16.8	X	11.66550	95.37583	57.03614	13.76260	0.1497243	0.21207055	2.7849398	20	2 10.2	20.1
467781 2009 WT_{114}	17.4	X	157.52095	179.78522	220.58521	4.88990	0.0701658	0.22833572	2.6510636	20	3 27.0	21.2
467782 2009 WC_{135}	17.2	X	254.53622	303.34890	26.90012	10.51036	0.2090659	0.23727314	2.5840664	20	4 3.8	21.2
467783 2009 WU_{149}	14.0	X	357.45167	244.42888	118.61153	7.40591	0.1438846	0.08225116	5.2365029	20	10 10.3	20.2
467784 2009 WY_{161}	17.1	X	241.25776	70.57425	293.46282	2.68345	0.2448742	0.23961515	2.5672010	20	4 27.9	21.4
467785 2009 WZ_{187}	17.6	X	272.78594	4.82133	302.89728	1.85305	0.1361027	0.23432983	2.6056595	20	3 31.5	21.4
467786 2009 WQ_{193}	17.5	X	42.90404	71.94759	47.89888	4.31513	0.1300193	0.21191062	2.7863408	20	2 18.4	20.6
467787 2009 WW_{193}	16.6	X	25.87690	183.92846	251.03663	10.89722	0.0353869	0.19531890	2.9419811	20	—	—
467788 2009 WY_{200}	16.7	X	70.37587	24.07501	80.59597	13.88605	0.1202252	0.21311758	2.7758109	20	3 18.1	20.5
467789 2009 WX_{252}	17.1	X	130.80261	342.61512	75.30253	7.94665	0.0640671	0.21897805	2.7260616	20	3 24.2	21.0
467790 2009 WN_{262}	17.7	X	223.74905	319.75048	230.64097	19.06701	0.0307589	0.37099223	1.9181954	20	—	—
467791 2009 WG_{263}	16.9	X	104.02395	198.35240	233.52947	6.50582	0.1567368	0.21413139	2.7670424	20	3 15.6	20.8
467792 2009 WV_{263}	16.1	X	199.31780	163.11910	91.44041	10.80866	0.0457643	0.18583840	3.0412054	20	—	—
467793 2009 XU	16.9	X	225.03810	171.36910	150.97954	6.00662	0.0810969	0.22073303	2.7115930	20	3 5.5	20.8
467794 2009 XE_{1}	18.0	X	331.89301	16.54899	68.07295	6.42502	0.2059506	0.27541322	2.3396247	20	—	—
467795 2009 YG_{7}	16.9	X	124.72865	319.59067	84.69882	7.11160	0.0935334	0.21156828	2.7893458	20	3 3.4	20.9
467796 2009 YX_{16}	17.1	X	233.92962	281.50272	79.78160	9.62764	0.2501936	0.23594723	2.5937381	20	4 22.9	21.5
467797 2009 YA_{19}	16.0	X	275.02229	298.08630	257.04056	6.86668	0.1383941	0.18417403	3.0595000	20	—	—
467798 2010 AW_{4}	17.5	X	249.07393	277.47179	85.91909	5.03235	0.3340480	0.24134661	2.5549079	20	4 29.3	22.0
467799 2010 AD_{71}	17.6	X	202.75783	83.62475	118.32155	23.56253	0.0688540	0.35889471	1.9610621	20	—	—
467800 2010 AF_{74}	17.1	X	263.56416	195.47928	271.93360	18.71079	0.0721107	0.35765336	1.9655971	20	12 6.8	18.9
467801 2010 AS_{130}	13.5	X	353.17366	62.57286	292.32619	13.72656	0.0631592	0.08264637	5.2197958	20	9 13.7	20.3
467802 2010 BS_{35}	16.3	X	308.06922	116.37460	73.46011	11.50634	0.0110324	0.17686902	3.1431724	20	1 13.9	20.8
467803 2010 BB_{48}	16.1	X	222.19172	232.19255	49.33095	19.89840	0.0576390	0.17666121	3.1456369	20	1 22.9	21.2
467804 2010 BL_{77}	15.6	X	287.74117	331.26132	277.07148	14.05133	0.2472560	0.18075462	3.0979646	20	1 25.0	20.4
467805 2010 BS_{127}	15.9	X	201.30460	70.44164	231.26635	12.62019	0.1011292	0.17188097	3.2036927	20	1 18.4	21.1
467806 2010 BC_{130}	17.2	X	125.19470	26.94007	28.13310	5.19783	0.1204413	0.22093563	2.7099350	20	3 17.9	21.1
467807 2010 CL_{29}	16.5	X	327.37391	12.15837	161.49007	13.44057	0.0456431	0.18508173	3.0494886	20	1 10.6	20.9
467808 2010 CC_{95}	16.5	X	287.65906	62.28105	157.40649	8.97661	0.1741736	0.18260221	3.0770321	20	1 2.3	21.2
467809 2010 CW_{98}	16.8	X	332.45619	121.13557	20.57502	3.52676	0.1574177	0.17952008	3.1121512	20	—	—
467810 2010 CB_{110}	16.6	X	60.94366	283.27276	137.57344	6.25956	0.1642965	0.18992194	2.9974547	20	1 7.7	20.1
467811 2010 CC_{116}	16.6	X	332.45513	160.86939	349.10033	8.57860	0.0469142	0.18422484	3.0589374	20	—	—
467812 2010 CM_{146}	16.3	X	327.05758	2.66069	145.25418	12.57305	0.0813445	0.18281326	3.0746635	20	—	—
467813 2010 EW_{31}	17.2	X	293.52354	149.27536	41.18019	1.20933	0.1278486	0.17900859	3.1180767	20	—	—
467814 2010 EW_{68}	16.5	X	271.52617	57.37954	172.76311	22.47106	0.2260979	0.17659915	3.1463737	20	—	—
467815 2010 EM_{128}	16.9	X	279.87069	20.77311	195.17632	17.41079	0.1329443	0.17662914	3.1460175	20	—	—
467816 2010 FT_{6}	16.2	X	69.85228	231.22557	180.60386	11.41588	0.1232625	0.18188217	3.0851477	20	1 6.2	20.3
467817 2010 FA_{11}	16.3	X	325.20206	137.08354	8.17095	16.96866	0.1565037	0.17722802	3.1389263	20	—	—
467818 2010 GF_{43}	16.7	X	347.12479	177.34072	293.28510	13.61885	0.1576039	0.18566613	3.0430862	20	—	—
467819 2010 JC_{39}	16.7	X	315.97012	321.89156	189.23690	10.19485	0.1813607	0.17698932	3.1417480	20	—	—
467820 2010 JV_{48}	16.2	X	166.20748	230.34222	71.31808	11.49751	0.0551245	0.16027136	3.3565936	20	—	—
467821 2010 JP_{102}	15.9	X	216.45555	167.89554	125.39689	10.08573	0.0864730	0.18927492	3.0042818	20	1 24.5	20.4
467822 2010 KZ_{85}	16.2	X	216.97626	30.21119	213.51593	15.41939	0.0288866	0.17465438	3.1696871	20	—	—
467823 2010 KP_{128}	16.4	X	242.55577	164.56657	103.51631	29.72072	0.1800849	0.17382725	3.1797341	20	1 16.6	21.6
467824 2010 LW_{98}	17.2	X	311.07773	166.42008	166.59066	24.07034	0.2244553	0.28654206	2.2786474	20	6 20.9	20.0
467825 2010 NO_{117}	17.7	X	297.48583	53.37414	288.39972	10.13408	0.1892082	0.28957053	2.2627321	20	6 13.5	20.0
467826 2010 OF_{81}	17.6	X	272.97323	135.47234	227.16004	10.95382	0.1744265	0.27625613	2.3348632	20	6 8.8	20.6
467827 2010 OZ_{101}	16.8	X	236.14478	104.99362	164.83031	26.24622	0.2697372	0.16931580	3.2359694	20	1 10.2	22.9
467828 2010 OG_{107}	16.6	X	254.99092	339.98579	225.74556	10.87899	0.1614474	0.16343029	3.3132003	20	—	—
467829 2010 PL_{61}	17.9	X	272.12627	215.62027	154.97148	4.28653	0.1194272	0.28489925	2.2873986	20	6 28.6	20.7
467830 2010 RQ_{14}	17.8	X	351.83619	184.16633	152.29475	8.30197	0.2132826	0.29801782	2.2197696	20	10 25.8	19.5
467831 2010 RF_{40}	17.1	X	288.42241	145.67477	226.03488	6.20499	0.1311492	0.28792653	2.2713371	20	7 23.1	19.5
467832 2010 RR_{51}	17.9	X	35.20405	278.37498	12.43092	4.35167	0.1531089	0.29772869	2.2212065	20	10 18.1	20.1
467833 2010 RN_{90}	18.5	X	38.93513	34.58823	271.96512	4.02866	0.2744830	0.30613578	2.1803522	20	12 3.3	21.5
467834 2010 RU_{154}	18.3	X	32.06011	237.23952	56.54194	3.46305	0.1586814	0.29717894	2.2239449	20	10 20.2	20.6
467835 2010 SS_{3}	20.9	X	314.11025	101.71953	193.17918	26.48181	0.2423454	0.48097965	1.6133116	20	4 2.4	21.0
467836 2010 SQ_{15}	17.6	X	333.18983	337.41295	12.98326	5.28716	0.1793310	0.29295538	2.2452691	20	9 24.5	18.9
467837 2010 TW_{16}	17.4	X	119.46624	285.25159	233.68198	6.81919	0.0424390	0.27695753	2.3309194	20	7 15.7	20.5
467838 2010 TG_{23}	17.8	X	7.20687	225.86021	19.29454	7.05904	0.0708714	0.27293348	2.3537744	20	6 4.4	20.3
467839 2010 TZ_{66}	18.2	X	256.93935	180.96323	205.33112	3.86289	0.1490929	0.28088674	2.3091309	20	6 25.1	21.2
467840 2010 TD_{79}	18.0	X	328.56893	246.06414	109.80533	1.09622	0.2476539	0.29270823	2.2465328	20	9 22.9	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467841 2010 TU_{112}	18.0	X	43.48890	4.04041	262.82267	1.44379	0.1348964	0.29086026	2.2560382	20	9 20.8	20.4
467842 2010 TR_{131}	17.6	X	315.81667	251.53959	81.45570	3.45972	0.1770458	0.28265425	2.2994945	20	7 8.2	19.5
467843 2010 UR_{15}	17.7	X	334.13999	170.48751	172.23580	3.01939	0.2013455	0.29056262	2.2575786	20	9 11.9	18.8
467844 2010 UO_{92}	17.3	X	202.29170	13.66128	37.08962	12.72364	0.1292102	0.26521351	2.3992322	20	5 26.6	21.0
467845 2010 VR_{14}	16.8	X	325.56805	275.15594	52.59298	22.97339	0.2921988	0.28497574	2.2869893	20	7 3.3	18.6
467846 2010 VF_{28}	17.3	X	13.37112	66.15806	34.23830	12.88897	0.2689408	0.21942887	2.7223265	20	—	—
467847 2010 VL_{40}	18.1	X	326.99516	64.69892	253.35345	6.45906	0.0866350	0.27990416	2.3145318	20	7 15.3	20.4
467848 2010 VM_{78}	18.1	X	318.07780	147.75822	192.16957	6.36242	0.1328256	0.28093430	2.3088703	20	7 28.3	20.4
467849 2010 VR_{93}	18.5	X	341.42530	270.06121	69.35694	3.11958	0.2375892	0.29082963	2.2561967	20	10 2.8	19.5
467850 2010 VL_{106}	17.8	X	13.24610	240.40633	83.88556	6.10988	0.1942670	0.29443784	2.2377263	20	11 10.8	20.0
467851 2010 VT_{106}	18.0	X	153.39178	19.16658	64.44193	7.03950	0.1208745	0.25970207	2.4330579	20	5 21.5	21.4
467852 2010 VT_{151}	13.6	X	274.45610	338.62126	86.66393	12.37952	0.0494025	0.08042274	5.3155739	20	9 9.7	20.7
467853 2010 VM_{176}	17.3	X	265.32923	93.21362	270.36321	8.89324	0.1597223	0.27161990	2.3613570	20	6 1.9	20.3
467854 2010 VQ_{177}	14.3	X	288.17965	8.72879	53.19823	9.64464	0.0757295	0.08432953	5.1501071	20	9 18.2	21.1
467855 2010 WE_{15}	14.1	X	295.00861	193.04856	223.44552	8.29938	0.0523844	0.08306707	5.2021571	20	9 15.6	21.0
467856 2010 WE_{31}	13.9	X	54.23458	223.73703	69.88780	19.34328	0.0549686	0.08180566	5.2554971	20	10 6.3	20.9
467857 2010 WK_{50}	17.2	X	358.90974	318.07362	248.84278	11.27349	0.1323271	0.24303776	2.5430421	20	3 18.4	20.2
467858 2010 WM_{61}	14.1	X	83.87855	201.98879	70.47556	18.71125	0.0679723	0.08248918	5.2264252	20	10 16.3	21.2
467859 2010 XL_{33}	12.7	X	258.19974	226.74350	237.13704	31.92625	0.0416451	0.08246860	5.2272944	20	9 23.2	20.0
467860 2011 AF_{5}	16.7	X	332.80793	292.54000	309.97740	12.99116	0.1782530	0.23847786	2.5753564	20	3 15.4	19.8
467861 2011 AK_{6}	17.5	X	101.72057	23.14210	68.10787	5.44018	0.1895884	0.23466409	2.6031845	20	4 14.7	21.1
467862 2011 AL_{22}	17.6	X	66.27161	83.60870	51.09783	2.83690	0.1448778	0.23327596	2.6135013	20	4 15.8	20.6
467863 2011 AK_{28}	17.3	X	107.67137	243.74354	209.70333	3.38399	0.1670251	0.23655584	2.5892875	20	4 19.2	21.0
467864 2011 AA_{32}	17.8	X	89.53040	60.64352	54.50540	4.70608	0.1300793	0.23642092	2.5902724	20	4 20.8	21.2
467865 2011 BP_{15}	18.1	X	25.84314	75.70234	64.66046	4.37816	0.2148833	0.22132335	2.7067692	20	2 15.3	20.4
467866 2011 BR_{64}	17.8	X	11.51005	320.29140	196.91237	3.32242	0.1271588	0.21838180	2.7310213	20	2 9.2	20.9
467867 2011 BO_{76}	17.7	X	271.70844	15.12617	279.99938	2.82142	0.0595233	0.22657593	2.6647729	20	3 24.2	21.3
467868 2011 BZ_{84}	17.1	X	96.44294	174.49788	289.21720	4.44784	0.1230437	0.23275538	2.6173968	20	4 10.4	20.7
467869 2011 BL_{86}	17.2	X	323.01311	108.60132	125.09578	5.92501	0.1402126	0.22691888	2.6620873	20	3 3.7	20.4
467870 2011 BN_{93}	17.5	X	65.43185	300.84902	149.14713	12.68040	0.1792159	0.22040895	2.7142503	20	2 18.9	20.5
467871 2011 BX_{106}	17.2	X	256.63177	333.98185	314.86010	11.14829	0.0385943	0.22743287	2.6580750	20	2 27.8	21.0
467872 2011 BN_{120}	16.6	X	69.38711	14.71193	137.51819	22.57007	0.0311918	0.23315459	2.6144082	20	5 5.8	20.6
467873 2011 BK_{130}	17.1	X	248.63687	40.81693	284.45210	5.53181	0.1476599	0.23538691	2.5978526	20	3 23.9	21.1
467874 2011 CF_{7}	17.6	X	317.39186	314.92854	321.46571	0.52721	0.1698051	0.23435492	2.6054735	20	4 15.0	20.5
467875 2011 CC_{26}	17.3	X	126.61980	342.72693	129.42640	12.82181	0.0295011	0.24286986	2.5442140	20	5 23.6	20.9
467876 2011 CN_{89}	17.4	X	207.88830	83.01452	245.73786	4.02757	0.0443996	0.22132820	2.7067296	20	2 22.2	21.3
467877 2011 CE_{103}	17.1	X	54.42580	321.08876	167.44313	5.98437	0.0587773	0.22252726	2.6969976	20	3 9.2	20.5
467878 2011 DN_{4}	17.7	X	228.63157	342.90667	158.80990	23.42597	0.0744003	0.38244200	1.8797164	20	12 11.8	20.1
467879 2011 DV_{8}	16.7	X	2.85273	113.73272	20.23649	12.28627	0.1308307	0.20350852	2.8625142	20	—	—
467880 2011 DZ_{9}	17.3	X	26.50412	329.88051	159.58824	8.42476	0.1695214	0.21083715	2.7957905	20	1 30.6	20.3
467881 2011 DQ_{20}	17.2	X	244.80350	180.43729	143.06912	10.65457	0.0952510	0.23051600	2.6343208	20	3 29.2	21.1
467882 2011 DQ_{21}	17.5	X	85.55992	143.32767	297.98158	2.63163	0.0599154	0.21500231	2.7595650	20	2 20.5	21.2
467883 2011 DH_{23}	17.1	X	304.21444	231.90291	358.55123	4.96327	0.1031969	0.21024502	2.8010374	20	2 10.3	21.0
467884 2011 EQ_{6}	17.3	X	313.58865	279.42241	302.22579	3.57020	0.1394651	0.21595079	2.7514788	20	2 3.4	20.8
467885 2011 EM_{37}	16.2	X	314.35071	134.67256	41.36488	9.20618	0.0261153	0.19867933	2.9087133	20	—	—
467886 2011 EP_{83}	16.7	X	335.54483	195.51923	2.80154	5.66530	0.0504510	0.21335553	2.7737466	20	2 18.4	20.3
467887 2011 FS_{23}	16.5	X	319.31543	112.79443	48.82038	10.94569	0.0648876	0.19204601	2.9753121	20	—	—
467888 2011 FD_{26}	16.3	X	276.80383	138.16730	96.33948	9.55271	0.1477704	0.19877539	2.9077761	20	1 9.6	20.7
467889 2011 FJ_{45}	17.1	X	282.04672	230.88998	30.96819	4.49460	0.0182253	0.21139982	2.7908273	20	3 5.4	20.9
467890 2011 GC_{35}	16.2	X	157.60894	282.70837	6.85206	15.94114	0.1954539	0.17505876	3.1648040	20	—	—
467891 2011 GN_{63}	16.7	X	286.92883	114.57728	163.86035	9.16140	0.1939061	0.20997482	2.8034398	20	3 6.3	20.7
467892 2011 GD_{85}	17.0	X	299.22096	182.98850	29.82748	8.82661	0.1483769	0.19766588	2.9186471	20	1 9.1	21.3
467893 2011 HZ_{9}	16.2	X	199.50534	176.11183	74.20784	11.03846	0.1114975	0.17705009	3.1410291	20	—	—
467894 2011 HJ_{11}	16.4	X	189.71032	187.47230	114.65988	10.42159	0.2148774	0.18218901	3.0816827	20	1 12.7	21.5
467895 2011 HP_{29}	16.5	X	278.61165	151.86399	60.18615	10.80051	0.1692949	0.19078666	2.9883907	20	—	—
467896 2011 HL_{36}	16.4	X	267.70756	105.48883	127.23731	11.48064	0.1875608	0.18854579	3.0120221	20	—	—
467897 2011 HY_{36}	16.7	X	233.42913	194.39675	92.15707	8.52563	0.1840000	0.19110872	2.9850324	20	1 29.6	21.7
467898 2011 HH_{40}	16.8	X	45.04488	33.19611	76.53383	12.13301	0.0368430	0.20099547	2.8863248	20	2 5.4	20.8
467899 2011 HP_{41}	15.4	X	156.82692	214.72447	87.91778	22.94248	0.0486610	0.17466649	3.1695406	20	—	—
467900 2011 HD_{53}	18.2	X	33.71491	355.00104	45.25197	15.19316	0.2015943	0.39186987	1.8494452	20	—	—
467901 2011 HN_{61}	17.7	X	71.20224	278.59102	89.41192	23.04040	0.1127163	0.38509800	1.8710635	20	—	—
467902 2011 HA_{68}	16.8	X	258.40148	138.61735	189.25148	11.72559	0.2041469	0.21521495	2.7577470	20	4 5.1	21.0
467903 2011 HC_{73}	17.2	X	272.51051	20.52329	205.38346	6.24398	0.1737150	0.19538860	2.9412814	20	—	—
467904 2011 HL_{76}	15.6	X	331.61131	309.62550	165.40827	18.29214	0.1028617	0.17549472	3.1595606	20	—	—
467905 2011 HD_{94}	16.3	X	129.58314	330.56150	87.03542	14.20680	0.1392627	0.21205287	2.7850946	20	4 3.9	20.8
467906 2011 JB_{19}	16.6	X	207.61645	127.72825	142.91840	12.02275	0.0867024	0.18211151	3.0825570	20	—	—
467907 2011 KM_{3}	15.8	X	205.90892	52.47910	227.33318	21.33573	0.1159790	0.18052821	3.1005543	20	—	—
467908 2011 KD_{7}	15.9	X	192.63057	163.56666	106.73776	24.48297	0.0915884	0.17216547	3.2001624	20	—	—
467909 2011 KR_{23}	16.4	X	295.86239	103.22173	69.39752	12.84898	0.0606112	0.18124513	3.0923727	20	—	—
467910 2011 KT_{26}	16.4	X	165.53169	128.43671	205.60116	11.95954	0.1321381	0.18337927	3.0683335	20	1 22.4	21.4
467911 2011 KK_{47}	17.0	X	247.07210	185.83970	95.33478	3.26357	0.1998410	0.19214191	2.9743220	20	2 2.2	21.8
467912 2011 KM_{47}	16.3	X	203.62394	184.25371	76.30583	11.38893	0.0647854	0.17554524	3.1589544	20	—	—
467913 2011 LW_{3}	16.2	X	272.54708	124.92647	94.21976	17.15340	0.1652069	0.18588049	3.0407462	20	—	—
467914 2011 LF_{16}	17.9	X	152.13962	31.70018	249.49284	23.88245	0.0876243	0.38098559	1.8845038	20	—	—
467915 2011 LT_{19}	16.2	X	284.45679	17.46756	149.13927	15.83833	0.0721637	0.17136854	3.2100761	20	—	—
467916 2011 OA_{14}	17.7	X	357.23866	65.76088	295.56253	15.99827	0.1000850	0.34789803	2.0021721	20	12 7.6	19.7
467917 2011 OP_{24}	19.9	X	25.45107	320.88215	144.94067	15.34292	0.5698279	0.70917901	1.2453711	20	—	—
467918 2011 OU_{26}	15.4	X	236.70675	285.79716	306.47337	24.52302	0.1998932	0.17073221	3.2180472	20	—	—
467919 2011 QU_{74}	16.8	X	258.46911	75.84041	170.99432	10.04740	0.1711637	0.17516819	3.1634858	20	1 6.5	22.0
467920 2011 SF_{226}	18.6	X	62.17149	143.07557	207.42657	20.84829	0.0726745	0.35400288	1.9790868	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
467921 2011 TS	18.0	X	106.14808	113.10770	207.99103	21.88826	0.0917001	0.36032009	1.9558869	20	—	—
467922 2011 UJ_{26}	15.0	X	43.69761	184.71164	191.79519	3.49202	0.1823638	0.12235311	4.0184575	20	—	—
467923 2011 YU_{28}	17.4	X	192.74516	291.47657	115.23691	24.24901	0.3130768	0.28649304	2.2789074	20	5 20.0	22.0
467924 2011 YK_{39}	17.1	X	44.53862	53.62235	108.92580	11.68413	0.0935779	0.26125508	2.4234062	20	4 16.3	20.0
467925 2011 YL_{56}	17.7	X	35.27701	143.45494	97.08489	6.30227	0.1767170	0.28298093	2.2977244	20	8 6.9	19.9
467926 2012 AE_{16}	13.5	X	334.04622	288.55609	91.26820	18.53264	0.0222560	0.08042178	5.3156158	20	10 4.7	20.6
467927 2012 AY_{17}	14.1	X	340.05241	217.77546	164.83052	10.65988	0.0939662	0.08253623	5.2244386	20	10 5.9	20.6
467928 2012 AE_{22}	17.4	X	114.71327	84.63484	65.52028	22.93089	0.2571678	0.27849003	2.3223604	20	7 22.4	21.6
467929 2012 BH_{24}	16.3	X	14.84349	304.53839	155.33283	31.71088	0.2538815	0.22962026	2.6411673	20	—	—
467930 2012 BP_{52}	17.8	X	74.97313	228.79461	277.16922	3.98348	0.1346704	0.26267240	2.4146809	20	5 10.5	20.7
467931 2012 BQ_{66}	17.6	X	118.33645	160.07545	271.12656	5.91957	0.1007609	0.26098093	2.4251031	20	3 19.6	21.0
467932 2012 BS_{69}	17.7	X	60.25914	257.43193	327.26477	4.56214	0.1771866	0.28042380	2.3116716	20	8 21.1	20.3
467933 2012 BG_{90}	18.2	X	96.36305	179.75588	317.41522	4.79708	0.1669776	0.26851527	2.3795238	20	6 2.2	21.4
467934 2012 BG_{113}	18.4	X	103.23032	199.51563	306.34442	1.57500	0.1793961	0.27081285	2.3660461	20	6 24.9	21.7
467935 2012 BX_{126}	17.5	X	68.70507	142.52238	49.45800	3.20121	0.1770779	0.26887374	2.3774084	20	7 16.3	20.4
467936 2012 BN_{129}	18.2	X	180.22233	337.45760	108.97351	3.10339	0.1283795	0.28213691	2.3023046	20	6 22.9	21.5
467937 2012 BV_{149}	17.7	X	96.17097	243.09294	284.28881	4.32748	0.0764349	0.27535084	2.3399780	20	7 2.5	20.5
467938 2012 CK_{8}	18.1	X	70.97124	317.45452	224.13058	1.31684	0.1107832	0.27175757	2.3605595	20	6 22.6	20.7
467939 2012 CJ_{35}	18.6	X	100.27652	135.28847	11.22057	0.53435	0.1567223	0.27091997	2.3654224	20	6 19.4	21.9
467940 2012 CK_{52}	18.3	X	75.86970	254.91705	297.78796	1.60204	0.1253322	0.27464587	2.3439805	20	7 18.7	21.2
467941 2012 DN_{1}	18.1	X	108.06542	15.63244	152.49441	4.02668	0.1456556	0.27716750	2.3297421	20	7 26.9	21.4
467942 2012 DL_{23}	18.1	X	119.00120	137.62650	11.22042	1.56355	0.1229187	0.27295191	2.3536685	20	7 11.2	21.2
467943 2012 DR_{36}	18.0	X	57.69551	3.02035	175.05575	2.52496	0.1071704	0.26322250	2.4113155	20	5 27.3	20.7
467944 2012 DP_{44}	17.9	X	176.67259	72.02627	32.04472	6.64086	0.0620836	0.27612022	2.3356293	20	7 15.7	21.1
467945 2012 DM_{51}	18.3	X	129.90054	4.88272	112.08047	2.14051	0.1304696	0.26958483	2.3732259	20	6 10.3	21.5
467946 2012 DG_{63}	18.4	X	69.78577	78.88411	150.06725	6.99560	0.0429013	0.28765493	2.2727666	20	8 19.5	20.8
467947 2012 DP_{63}	18.8	X	42.68340	284.85219	307.10182	1.75443	0.1708697	0.27440773	2.3453365	20	8 2.9	21.1
467948 2012 DS_{64}	17.3	X	110.01078	156.67509	345.47022	9.23016	0.1194345	0.27026612	2.3692359	20	6 20.5	20.7
467949 2012 FA_{9}	18.3	X	132.11690	285.94263	183.29574	2.17323	0.1422143	0.26896081	2.3768953	20	6 3.5	21.7
467950 2012 FT_{12}	17.8	X	237.20962	230.76806	165.77950	6.31180	0.0722855	0.27417233	2.3466787	20	6 24.7	20.9
467951 2012 FQ_{21}	17.6	X	205.50543	309.00028	111.72076	2.68585	0.1897373	0.27644587	2.3337947	20	6 11.7	21.1
467952 2012 FE_{40}	17.7	X	56.42989	298.68444	265.48641	6.11922	0.0518802	0.26576063	2.3959382	20	6 23.5	20.4
467953 2012 FT_{40}	17.3	X	356.29201	154.26398	116.28390	3.64019	0.1987373	0.25810117	2.4431084	20	6 26.9	19.0
467954 2012 FX_{52}	18.6	X	99.84689	94.32407	40.36389	2.93495	0.1405342	0.26218652	2.4176632	20	5 30.7	21.9
467955 2012 HH_{4}	17.4	X	296.29918	227.33839	85.77274	7.90656	0.1582204	0.25294535	2.4761954	20	5 7.8	20.4
467956 2012 HM_{6}	17.1	X	270.76529	39.30807	224.50999	13.76612	0.0800260	0.22536447	2.6743141	20	2 6.2	21.2
467957 2012 HN_{17}	17.0	X	228.07030	214.74590	94.53850	12.21174	0.0726559	0.22330094	2.6907644	20	2 25.6	21.1
467958 2012 HU_{42}	17.2	X	277.61929	186.40949	85.17087	10.11702	0.1595483	0.22735427	2.6586876	20	2 23.0	21.2
467959 2012 HZ_{42}	16.8	X	242.06283	259.66561	38.85045	13.33210	0.1648198	0.22579209	2.6709365	20	2 22.9	21.3
467960 2012 HG_{57}	16.9	X	308.18728	174.50963	73.60709	8.24996	0.1853410	0.23295630	2.6158916	20	2 25.2	20.4
467961 2012 HR_{65}	16.6	X	240.95648	204.38961	114.62906	13.53958	0.1843809	0.22664988	2.6641932	20	3 14.6	21.1
467962 2012 JC_{9}	17.5	X	56.36615	107.24627	53.13216	6.95080	0.0459308	0.24133296	2.5550042	20	4 22.5	20.5
467963 2012 JT_{17}	18.6	X	341.68392	117.90401	225.05465	14.31563	0.6162005	0.25254104	2.4788376	20	12 18.6	20.2
467964 2012 JT_{24}	17.3	X	301.06088	162.57819	66.99821	10.71099	0.2090119	0.22577911	2.6710389	20	1 19.4	21.2
467965 2012 JC_{33}	18.0	X	321.99764	207.30737	57.50179	5.17527	0.1088185	0.24034790	2.5619805	20	4 16.9	21.0
467966 2012 JJ_{60}	17.1	X	291.82262	178.26210	126.01759	5.96034	0.1729680	0.23831664	2.5765177	20	4 18.0	20.5
467967 2012 KA_{1}	16.9	X	321.74981	65.03544	227.76314	38.90636	0.1690725	0.24288358	2.5441181	20	5 15.9	19.5
467968 2012 KS_{10}	17.5	X	308.74882	107.86228	197.55851	5.74271	0.2351939	0.24269951	2.5454043	20	5 1.8	20.2
467969 2012 KJ_{12}	16.4	X	128.57780	306.53971	119.14698	22.78618	0.0339087	0.22996742	2.6385086	20	3 31.7	20.5
467970 2012 KK_{44}	17.2	X	307.24600	168.72240	72.47573	5.97741	0.1366874	0.22664861	2.6642032	20	2 22.0	20.7
467971 2012 KS_{45}	17.0	X	332.96524	115.26687	150.27975	7.77433	0.1697880	0.24039837	2.5616220	20	4 30.3	19.7
467972 2012 KG_{48}	16.6	X	231.98828	225.56914	103.44042	11.73581	0.1389250	0.22454567	2.6808114	20	3 22.1	21.0
467973 2012 KT_{50}	16.1	X	301.62564	109.82723	208.83910	11.31758	0.2157826	0.24269054	2.5454671	20	5 12.9	19.0
467974 2012 LR_{4}	16.5	X	221.57451	68.45120	261.20510	11.49623	0.1743979	0.21987625	2.7186325	20	2 29.6	21.3
467975 2012 LW_{10}	16.3	X	275.11143	172.77627	116.42948	24.75896	0.1100266	0.22863860	2.6487218	20	3 24.7	20.5
467976 2012 LY_{13}	15.9	X	61.15719	278.84245	103.98938	13.13395	0.0862198	0.18817341	3.0159945	20	—	—
467977 2012 LM_{17}	17.0	X	31.05433	329.48464	217.62279	13.42638	0.1907551	0.24278506	2.5448064	20	5 3.3	19.1
467978 2012 PT_{15}	17.1	X	254.79914	104.05904	176.89515	12.35787	0.1017091	0.20216226	2.8752084	20	2 13.2	21.5
467979 2012 PE_{21}	16.2	X	175.17217	170.09645	155.33452	15.89782	0.1415492	0.18921174	3.0049505	20	1 22.9	21.1
467980 2012 QJ_{16}	17.7	X	318.68184	140.70681	170.56513	11.66553	0.1892932	0.23183025	2.6243554	20	6 6.4	20.7
467981 2012 QH_{39}	15.8	X	143.47607	22.72328	315.27232	16.57620	0.2589987	0.17774959	3.1327830	20	1 22.4	21.0
467982 2012 QR_{43}	16.0	X	106.68448	240.68577	118.03151	10.66097	0.1237511	0.17404908	3.1770318	20	—	—
467983 2012 RK_{10}	16.7	X	322.41594	81.07483	230.14161	12.14664	0.2321200	0.23219387	2.6216148	20	6 5.4	19.2
467984 2012 RM_{42}	17.0	X	300.46693	226.93815	101.14500	7.47478	0.4297318	0.23031154	2.6358797	20	4 22.7	20.7
467985 2012 SM_{14}	16.4	X	198.66727	77.85905	248.63256	8.01009	0.1369293	0.18522084	3.0479616	20	2 12.1	21.4
467986 2012 SN_{52}	16.3	X	284.10446	13.34176	205.29524	7.87618	0.0645220	0.18154687	3.0889452	20	1 9.8	20.9
467987 2012 TR_{3}	16.5	X	351.60529	232.59012	264.53486	8.21023	0.0306693	0.17885470	3.1198651	20	—	—
467988 2012 TT_{33}	16.6	X	198.63867	248.08131	62.53913	2.84376	0.1701763	0.18058434	3.0999118	20	1 29.5	21.8
467989 2012 TU_{42}	15.8	X	151.29592	109.01003	237.49477	9.25275	0.0903013	0.17480642	3.1678489	20	1 21.2	20.8
467990 2012 TX_{94}	16.6	X	213.35537	299.84544	7.82952	8.78813	0.1750172	0.18454979	3.0553457	20	2 8.9	21.8
467991 2012 TV_{96}	16.2	X	201.26465	92.41132	214.20092	9.90435	0.1104575	0.17746503	3.1361310	20	1 23.9	21.3
467992 2012 TO_{151}	16.8	X	171.98006	270.26501	75.16456	1.18755	0.2756817	0.18081281	3.0972998	20	2 19.6	22.3
467993 2012 TD_{163}	16.5	X	169.30917	270.60947	56.41311	8.69073	0.1425766	0.17376190	3.1805314	20	1 24.3	21.6
467994 2012 TF_{164}	15.8	X	183.63646	139.80847	188.25581	15.35176	0.0778962	0.17687100	3.1431490	20	1 30.9	20.9
467995 2012 TJ_{216}	18.0	X	332.16735	40.36313	20.03291	21.65382	0.0508548	0.38679490	1.8655872	20	—	—
467996 2012 TE_{264}	16.5	X	202.18339	108.81199	198.23687	17.74622	0.0768035	0.17749259	3.1358063	20	1 24.2	21.6
467997 2012 TX_{271}	16.7	X	193.26160	238.67565	99.08984	0.76490	0.2202373	0.18705681	3.0279849	20	2 24.3	21.9
467998 2012 TW_{285}	16.3	X	155.56155	301.95117	37.32122	7.38732	0.1548408	0.17409476	3.1764760	20	1 26.9	21.4
467999 2012 UM_{46}	15.9	X	190.55013	223.78166	52.09480	11.12741	0.0718529	0.15757793	3.3947343	20	—	—
468000 2012 UV_{86}	15.9	X	172.31833	104.07113	231.31649	25.13433	0.2283676	0.17399254	3.1777200	20	1 29.4	21.8