Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532001 2013 DD_{13}	16.8	X	171.15299	47.24408	125.01434	10.50032	0.0774524	0.18080267	3.0974157	21	9 23.4	21.6
532002 2013 DQ_{16}	15.3	X	124.17871	193.38146	342.85971	26.98240	0.1196707	0.16855376	3.2457153	21	8 16.4	20.5
532003 2013 DL_{17}	16.7	X	225.73018	126.96584	341.49568	13.36440	0.1139088	0.17485874	3.1672170	21	8 28.1	21.4
532004 2013 EA_{1}	18.4	X	185.34381	294.23696	225.96736	5.68778	0.0932710	0.29807401	2.2194906	21	9 27.6	21.4
532005 2013 ED_{7}	16.4	X	333.53255	168.53965	177.41814	8.17971	0.0819642	0.16888197	3.2415087	21	8 14.4	20.5
532006 2013 EJ_{7}	19.0	X	149.09673	11.42961	237.47498	0.48460	0.1093993	0.30953495	2.1643604	21	12 17.4	21.9
532007 2013 EJ_{13}	16.7	X	104.73355	125.30206	155.35524	13.42771	0.0994433	0.18814990	3.0162457	21	11 25.1	21.5
532008 2013 EK_{14}	18.1	X	225.14003	111.42846	342.83355	7.51209	0.1255170	0.29251473	2.2475234	21	8 14.1	21.0
532009 2013 EX_{16}	17.1	X	184.55287	191.11092	320.95702	2.39022	0.1439826	0.18002706	3.1063057	21	9 6.4	22.1
532010 2013 EX_{32}	16.1	X	161.87452	43.03569	155.15051	17.42990	0.1816463	0.17986897	3.1081256	21	10 15.3	21.5
532011 2013 EZ_{32}	16.2	X	146.93901	66.91087	134.77810	26.22917	0.2675468	0.17331261	3.1860257	21	10 12.1	22.2
532012 2013 EZ_{35}	16.4	X	166.59679	120.75548	26.14851	5.33466	0.1090511	0.16979393	3.2298915	21	8 16.7	21.5
532013 2013 ET_{52}	16.8	X	124.35618	56.19660	187.08455	0.56985	0.1380752	0.17882592	3.1201998	21	10 30.0	21.8
532014 2013 EL_{61}	17.5	X	262.88204	18.58342	353.91061	7.45848	0.1992661	0.27357639	2.3500854	21	5 23.9	21.1
532015 2013 EC_{70}	16.9	X	120.54440	249.58026	353.31601	3.39615	0.1163116	0.17985407	3.1082971	21	10 23.6	21.6
532016 2013 EQ_{81}	17.4	X	151.90438	110.27043	54.80546	5.01607	0.0739622	0.28475955	2.2881466	21	8 30.0	20.5
532017 2013 EE_{82}	16.7	X	158.04464	36.61247	163.89012	9.79331	0.0291190	0.17854040	3.1235255	21	10 11.6	21.3
532018 2013 EZ_{86}	17.1	X	127.67629	79.17208	121.74024	7.10065	0.0435791	0.28510444	2.2863010	21	9 17.4	20.0
532019 2013 EX_{91}	17.2	X	116.53334	86.56255	115.78458	5.86973	0.1083275	0.28212319	2.3023793	21	9 10.3	20.4
532020 2013 ES_{94}	16.6	X	24.46200	156.55225	169.16144	9.83586	0.0798244	0.17461432	3.1701719	21	10 7.9	20.7
532021 2013 EF_{103}	16.6	X	148.88683	30.70601	145.48871	18.13541	0.1560377	0.17416521	3.1756194	21	9 4.9	21.7
532022 2013 ER_{108}	17.6	X	137.47563	78.05510	103.55325	7.78377	0.1581327	0.28344347	2.2952240	21	9 9.5	21.2
532023 2013 EO_{109}	17.0	X	194.28700	319.15450	185.32424	9.25405	0.1813417	0.17717130	3.1395963	21	9 3.6	22.2
532024 2013 EM_{118}	16.8	X	150.40812	196.07861	333.15809	10.47247	0.2110010	0.16997555	3.2275904	21	8 28.8	22.2
532025 2013 EU_{121}	16.4	X	160.15976	174.62071	21.58594	0.84869	0.1109647	0.17657791	3.1466260	21	10 6.9	21.3
532026 2013 EC_{138}	6.0	X	341.50274	212.37596	310.96494	8.43860	0.1307783	0.00304982	47.0926730	21	2 7.1	22.1
532027 2013 EH_{154}	8.0	X	318.18772	354.92447	267.56454	8.16418	0.1976044	0.00550149	31.7796376	21	4 8.9	22.4
532028 2013 EL_{155}	16.7	X	248.96598	155.60229	287.22948	9.24227	0.0725722	0.17770864	3.1332642	21	8 22.9	21.4
532029 2013 EV_{157}	17.8	X	124.41059	157.27128	38.21206	7.10713	0.0496311	0.28249822	2.3003411	21	9 6.5	20.8
532030 2013 EG_{158}	15.9	X	202.96621	268.66844	250.84501	11.74967	0.1122066	0.18133681	3.0913302	21	9 30.5	20.9
532031 2013 EJ_{158}	16.1	X	271.09318	262.79163	162.79994	9.62946	0.0600377	0.17357848	3.1827715	21	9 2.6	20.6
532032 2013 EP_{158}	17.5	X	75.19687	354.54078	270.55682	5.25136	0.1546357	0.28615895	2.2806807	21	10 18.1	20.6
532033 2013 FX_{10}	17.2	X	72.87956	251.03714	24.09023	23.44661	0.2453892	0.28447181	2.2896893	21	11 4.6	20.7
532034 2013 FH_{11}	18.0	X	238.61534	217.90598	196.67495	4.26151	0.1886818	0.28225629	2.3016553	21	6 26.6	21.4
532035 2013 FK_{14}	17.2	X	160.95309	87.55407	58.30017	6.03688	0.1099289	0.28100241	2.3084972	21	8 14.5	20.6
532036 2013 FW_{25}	17.4	X	122.06780	122.85452	87.21009	7.62653	0.0643946	0.28702791	2.2760753	21	9 26.5	20.5
532037 2013 FY_{27}	3.2	X	215.33337	139.41780	186.96083	33.24095	0.4003613	0.00219921	58.5632117	21	3 1.9	22.2
532038 2013 FB_{28}	6.0	X	50.10412	168.74292	320.87884	15.68591	0.0591686	0.00319854	45.6213470	21	3 19.7	22.5
532039 2013 FR_{28}	7.3	X	23.00494	132.70833	41.90981	2.99790	0.2379401	0.00342767	43.5648971	21	4 22.1	22.7
532040 2013 GB_{2}	17.9	X	114.79870	345.58500	221.44612	3.96515	0.0882591	0.28107781	2.3080844	21	9 8.5	21.0
532041 2013 GT_{2}	17.8	X	143.90995	287.83984	227.44018	6.82906	0.0592006	0.28246939	2.3004976	21	7 31.0	21.0
532042 2013 GE_{3}	16.0	X	356.00589	162.24290	168.16015	17.54109	0.0251072	0.17206291	3.2014338	21	8 28.6	20.4
532043 2013 GS_{6}	15.3	X	110.67080	240.04671	11.15007	26.57641	0.1585239	0.17363825	3.1820411	21	10 20.6	20.5
532044 2013 GY_{9}	17.8	X	19.48637	207.48274	60.43420	3.37431	0.1624618	0.26552447	2.3973587	21	7 26.5	19.8
532045 2013 GZ_{12}	16.7	X	169.80115	112.82514	59.89944	14.50380	0.2314683	0.17261821	3.1945644	21	9 24.9	22.4
532046 2013 GS_{13}	16.1	X	142.52426	181.05199	27.00345	28.19098	0.1781640	0.17364402	3.1819705	21	10 11.1	21.4
532047 2013 GW_{16}	16.3	X	104.77860	101.36204	151.84487	12.46162	0.1299379	0.17314014	3.1881412	21	10 25.4	21.3
532048 2013 GD_{19}	16.3	X	136.26651	84.54299	157.08844	17.42383	0.0939704	0.18118955	3.0930049	21	11 10.9	21.4
532049 2013 GY_{28}	17.9	X	199.56777	263.91224	206.35922	3.27551	0.1417491	0.28212501	2.3023693	21	8 3.0	21.4
532050 2013 GO_{29}	17.8	X	197.29646	107.68473	358.92384	5.37327	0.0747323	0.27867669	2.3213233	21	8 1.9	21.0
532051 2013 GD_{33}	17.7	X	327.17396	20.51226	236.62323	3.30419	0.1765821	0.24248715	2.5468903	21	3 18.2	20.6
532052 2013 GZ_{37}	18.1	X	102.03142	227.64048	59.85136	4.00663	0.2173700	0.29422258	2.2388176	21	12 20.5	21.8
532053 2013 GP_{46}	16.1	X	200.23209	106.24628	7.51029	27.91419	0.2008371	0.16984283	3.2292716	21	8 17.5	21.9
532054 2013 GS_{54}	17.4	X	313.18608	260.75417	47.61198	15.02740	0.1318968	0.25227617	2.4805723	21	5 14.7	20.4
532055 2013 GQ_{60}	17.0	X	147.17966	38.59965	173.20013	0.26374	0.1457887	0.17189834	3.2034769	21	10 13.5	22.0
532056 2013 GU_{63}	18.0	X	90.07646	303.70235	267.96460	3.03710	0.1559666	0.27009402	2.3702423	21	8 23.7	21.3
532057 2013 GR_{68}	18.2	X	210.32418	202.43569	43.99509	6.21776	0.3068745	0.31565471	2.1362949	21	—	—
532058 2013 GU_{68}	19.3	X	171.46900	23.36496	29.72260	22.78513	0.2652794	0.49314504	1.5866687	21	4 14.4	21.0
532059 2013 GS_{70}	17.7	X	65.13204	211.58826	11.71853	2.41015	0.1539078	0.26531365	2.3986285	21	8 8.5	20.4
532060 2013 GQ_{74}	18.1	X	165.60466	139.04232	116.42910	7.33211	0.1778760	0.30714594	2.1755690	21	—	—
532061 2013 GS_{78}	17.1	X	244.40635	115.47144	209.58361	14.49650	0.1662118	0.23256818	2.6188012	21	3 10.3	21.4
532062 2013 GD_{84}	18.0	X	220.80692	95.51434	42.14723	4.90107	0.1253955	0.29027491	2.2590701	21	10 7.9	20.9
532063 2013 GH_{86}	16.7	X	262.32457	234.17525	74.88939	14.59893	0.3049271	0.22733321	2.6588518	21	3 8.3	21.6
532064 2013 GS_{141}	18.2	X	109.65345	147.35292	148.02540	6.01512	0.1741202	0.29864330	2.2166691	21	—	—
532065 2013 HW_{1}	17.8	X	154.19590	38.62468	119.33021	7.29918	0.1047446	0.27546631	2.3393240	21	8 21.9	21.2
532066 2013 HJ_{11}	17.3	X	287.71611	248.89360	30.98811	13.26506	0.2554742	0.23124982	2.6287449	21	2 25.8	21.6
532067 2013 HR_{13}	18.1	X	150.68566	202.65827	32.33157	5.55648	0.1034760	0.29797282	2.2199930	21	11 28.3	21.2
532068 2013 HU_{13}	17.9	X	104.13617	144.96428	35.82913	2.58018	0.1163877	0.26791856	2.3830557	21	7 26.1	21.0
532069 2013 HO_{17}	16.1	X	215.77134	279.43136	203.36534	24.91940	0.1973965	0.17039747	3.2222603	21	8 22.3	21.8
532070 2013 HJ_{20}	16.1	X	167.86171	70.33919	106.38501	26.58495	0.2413714	0.17361214	3.1823601	21	10 1.8	22.1
532071 2013 HZ_{24}	17.8	X	47.14755	219.51351	15.73581	2.65688	0.1452036	0.26092239	2.4254658	21	7 26.4	20.3
532072 2013 HY_{34}	17.5	X	286.26097	106.75396	282.26745	4.51204	0.1114699	0.27650025	2.3334887	21	8 2.6	20.2
532073 2013 HU_{36}	17.7	X	224.51670	133.89794	288.84047	6.21696	0.0946387	0.26934637	2.3746264	21	7 1.5	21.0
532074 2013 HG_{39}	18.9	X	234.40110	196.83093	267.98607	5.00867	0.1550509	0.28952359	2.2629767	21	8 31.9	22.1
532075 2013 HM_{44}	17.9	X	260.34687	100.18717	264.98401	5.45407	0.1668000	0.25676737	2.4515617	21	5 17.3	21.3
532076 2013 HA_{45}	18.2	X	305.21941	355.05700	354.60032	8.03358	0.0786615	0.26624971	2.3930032	21	7 13.3	21.1
532077 2013 HB_{46}	18.3	X	177.56372	180.81531	334.42866	3.24836	0.1107254	0.28446324	2.2897353	21	9 11.5	21.6
532078 2013 HX_{52}	16.3	X	140.99896	349.10395	233.44614	7.92345	0.0195584	0.17358746	3.1826618	21	10 13.8	20.9
532079 2013 HG_{53}	18.0	X	319.84349	331.97037	338.40726	5.66216	0.1115637	0.25790323	2.4443583	21	5 31.4	20.8
532080 2013 HX_{62}	18.1	X	202.00259	275.13304	236.08548	2.69605	0.0749237	0.29139839	2.2532599	21	10 7.1	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532081 2013 HZ_{67}	18.8	X	115.92077	281.57159	347.42220	3.64737	0.1977106	0.29309542	2.2445538	21	12 8.3	22.4
532082 2013 HC_{69}	18.2	X	156.93265	150.97164	332.96109	2.00205	0.0356360	0.26609810	2.3939121	21	7 4.5	21.4
532083 2013 HQ_{70}	19.2	X	218.58079	112.23330	3.64728	2.39328	0.1281617	0.28716645	2.2753432	21	9 3.8	22.1
532084 2013 HP_{74}	18.3	X	257.34464	78.97204	1.32304	3.29185	0.0811736	0.28605221	2.2812480	21	9 10.9	21.0
532085 2013 HS_{77}	17.0	X	268.02297	298.29034	26.04159	30.72812	0.3179636	0.23606284	2.5928912	21	3 31.3	21.6
532086 2013 HZ_{95}	18.2	X	225.24373	69.97472	23.91902	8.18960	0.1718132	0.28424936	2.2908838	21	8 10.6	21.6
532087 2013 HC_{111}	18.5	X	259.04417	94.03014	24.86200	3.87241	0.0408750	0.29849229	2.2174167	21	11 15.5	20.9
532088 2013 HF_{120}	17.9	X	13.86456	80.79793	205.65958	4.66849	0.1270549	0.26589666	2.3951210	21	8 6.9	20.2
532089 2013 HK_{120}	18.7	X	286.96032	186.30884	204.60460	1.97426	0.1903529	0.27668822	2.3324317	21	7 24.0	21.4
532090 2013 HD_{138}	18.2	X	294.38846	33.28793	322.17553	1.87356	0.2070659	0.26522918	2.3991378	21	6 10.3	21.0
532091 2013 HM_{143}	18.4	X	325.38547	347.26791	39.24726	4.31154	0.1828597	0.28721234	2.2751008	21	10 11.2	19.9
532092 2013 HU_{156}	5.5	X	70.57168	342.98153	185.42364	20.80880	0.1199440	0.00394841	39.6449545	21	6 4.1	21.4
532093 2013 HV_{156}	5.2	X	282.45026	182.43365	168.80904	18.13797	0.1795857	0.00300113	47.6006799	21	6 5.5	22.0
532094 2013 HX_{156}	8.1	X	211.70772	259.05831	137.36072	14.90099	0.1951671	0.00814894	24.4569357	21	5 22.8	22.7
532095 2013 HY_{156}	6.9	X	349.51108	158.69276	86.26907	21.37580	0.0648608	0.00376650	40.9114067	21	5 18.4	22.8
532096 2013 HC_{157}	17.7	X	86.02308	25.58096	205.20612	4.07600	0.0784868	0.26964688	2.3728618	21	9 3.1	20.6
532097 2013 HG_{157}	17.0	X	277.52723	87.64905	233.46218	11.73910	0.1792440	0.22387898	2.6861308	21	4 7.9	21.0
532098 2013 HK_{157}	17.4	X	60.08360	250.70538	17.95069	6.17108	0.0970207	0.27171837	2.3607865	21	9 26.5	20.1
532099 2013 HK_{158}	18.0	X	86.45885	195.34896	93.42479	9.45360	0.2130118	0.28352529	2.2947824	21	12 7.7	21.6
532100 2013 JJ_{4}	17.7	X	47.08044	9.79244	248.00995	4.96109	0.1774706	0.26510622	2.3998795	21	8 31.2	20.5
532101 2013 JE_{8}	17.6	X	244.99505	10.85583	67.20294	8.10106	0.1133039	0.27540987	2.3396436	21	8 19.0	20.8
532102 2013 JD_{16}	17.2	X	193.60132	290.94135	229.82094	24.54400	0.1982211	0.28738639	2.2741822	21	9 24.9	21.2
532103 2013 JR_{30}	17.1	X	239.09134	153.52496	234.05756	15.10453	0.0517387	0.25290788	2.4764400	21	6 5.4	20.4
532104 2013 JO_{32}	17.4	X	299.31313	138.43193	185.20454	9.36482	0.0954799	0.24514642	2.5284382	21	5 24.5	20.7
532105 2013 JV_{49}	17.0	X	115.64832	168.67307	58.17093	7.99660	0.2036477	0.16062441	3.3516734	21	10 8.8	22.5
532106 2013 JL_{51}	17.5	X	236.09885	225.14528	220.72419	16.51691	0.1692503	0.27636778	2.3342343	21	8 1.7	21.3
532107 2013 JB_{63}	17.4	X	54.16503	161.59260	68.87218	7.52562	0.0776638	0.25886493	2.4383005	21	7 20.1	20.3
532108 2013 JB_{66}	17.7	X	269.59754	237.67171	100.96339	12.76293	0.1004355	0.23902985	2.5713900	21	5 8.1	21.4
532109 2013 JO_{66}	17.1	X	326.97070	171.66355	116.68401	14.58418	0.1489035	0.24170589	2.5523754	21	5 13.9	20.3
532110 2013 JK_{67}	17.7	X	317.94730	84.48224	219.27601	15.76951	0.1671842	0.24192091	2.5508629	21	5 12.4	20.6
532111 2013 KN_{11}	16.9	X	84.89804	146.72490	83.56643	25.59207	0.1665339	0.26748470	2.3856318	21	9 30.7	20.9
532112 2013 LW_{1}	18.3	X	346.23888	337.87264	260.11202	16.39925	0.1933155	0.48052028	1.6143396	21	1 19.6	19.7
532113 2013 LP_{2}	17.0	X	271.88530	243.45770	71.13084	13.85367	0.2770097	0.22782323	2.6550378	21	3 24.9	21.6
532114 2013 LV_{5}	17.7	X	291.93169	265.88801	63.80645	5.16571	0.2654351	0.24066832	2.5597061	21	4 26.3	21.2
532115 2013 LU_{8}	17.1	X	24.72648	196.60993	82.94672	16.92651	0.1032526	0.25980494	2.4324156	21	8 22.8	20.1
532116 2013 LX_{11}	17.7	X	121.21759	165.69311	94.85476	9.18368	0.1126235	0.28847833	2.2684397	21	12 1.1	21.1
532117 2013 LZ_{11}	17.4	X	269.36329	228.45097	81.70420	14.42851	0.2632462	0.22696625	2.6617169	21	3 18.7	22.0
532118 2013 LA_{12}	17.6	X	91.63467	97.31875	113.48339	11.52492	0.1330190	0.26546550	2.3977137	21	8 25.4	20.9
532119 2013 LN_{14}	17.5	X	191.14915	242.87408	220.03371	13.89596	0.0210110	0.25840153	2.4412148	21	7 16.2	21.0
532120 2013 LR_{26}	16.4	X	319.59961	48.08943	259.47304	12.64827	0.2597567	0.23020085	2.6367246	21	5 2.8	19.6
532121 2013 LE_{36}	17.4	X	295.17664	124.81080	170.43274	14.44886	0.2112600	0.22285283	2.6943703	21	3 25.9	21.3
532122 2013 LG_{36}	16.6	X	243.14683	160.06276	180.99724	9.57586	0.1607713	0.21608786	2.7503152	21	4 3.9	21.0
532123 2013 LK_{36}	17.3	X	317.65106	41.86226	262.15048	12.56536	0.1655967	0.23266205	2.6180967	21	5 11.1	20.5
532124 2013 LR_{36}	17.3	X	245.80149	145.60720	186.58441	13.38059	0.2161453	0.20962033	2.8065995	21	3 22.2	22.0
532125 2013 LW_{36}	18.3	X	173.75083	175.87125	131.54688	6.34742	0.1358867	0.30708039	2.1758786	21	—	—
532126 2013 MM	15.9	X	290.55201	38.00388	264.20038	11.75587	0.1110345	0.21723668	2.7406102	21	4 6.7	19.9
532127 2013 ML_{4}	16.7	X	188.26294	87.52916	302.31129	11.37993	0.2981926	0.20440766	2.8541137	21	4 9.6	22.1
532128 2013 MJ_{5}	17.0	X	285.83773	25.36874	261.59813	7.03750	0.1928387	0.21569658	2.7536403	21	3 3.5	21.3
532129 2013 MT_{5}	16.0	X	321.84989	128.50935	196.42765	14.70606	0.2270649	0.24450079	2.5328873	21	6 9.6	18.9
532130 2013 MY_{8}	16.9	X	330.76710	359.56451	266.69980	9.79361	0.1399723	0.22329910	2.6907792	21	4 11.6	20.3
532131 2013 MP_{9}	17.7	X	308.31092	257.58374	56.30421	4.06188	0.1833444	0.23467739	2.6030862	21	5 9.1	20.7
532132 2013 MC_{11}	17.5	X	337.04860	217.14842	75.39728	4.66793	0.0741073	0.23930766	2.5693996	21	6 10.1	20.4
532133 2013 MD_{11}	18.3	X	116.52998	287.28019	329.37300	5.16437	0.1837585	0.27871065	2.3211347	21	11 20.3	22.1
532134 2013 MN_{12}	17.4	X	302.22024	27.72696	272.89556	5.22184	0.0948704	0.22496421	2.6774853	21	4 24.9	21.1
532135 2013 MR_{12}	17.1	X	265.66780	230.26818	131.30088	16.06025	0.1296552	0.22829958	2.6513433	21	5 29.8	21.2
532136 2013 MC_{13}	17.6	X	340.00689	212.77873	81.90754	1.24151	0.1195123	0.24131607	2.5551234	21	6 14.1	20.4
532137 2013 ML_{13}	17.4	X	31.36442	337.84071	269.73322	4.17600	0.0748280	0.23735552	2.5834684	21	7 6.1	20.2
532138 2013 MM_{13}	17.7	X	340.27462	220.05535	152.08652	6.81142	0.1467780	0.25516440	2.4618183	21	10 16.5	19.9
532139 2013 MN_{13}	17.1	X	230.53547	156.52795	186.63188	7.62289	0.2274629	0.20928763	2.8095732	21	3 22.3	21.9
532140 2013 MT_{13}	17.7	X	320.39096	232.99943	49.29906	3.59792	0.2039827	0.23125408	2.6287126	21	4 11.4	20.8
532141 2013 MX_{13}	18.1	X	125.17388	347.27223	292.50173	5.70211	0.1375282	0.28707427	2.2758303	21	12 28.6	21.5
532142 2013 MY_{13}	17.2	X	269.29454	25.89974	326.94128	6.68958	0.1959241	0.22262211	2.6962315	21	5 7.5	21.3
532143 2013 MB_{14}	17.7	X	128.62980	140.67127	143.01114	7.20298	0.1399181	0.29510358	2.2343596	21	—	—
532144 2013 MD_{14}	18.0	X	208.38884	239.64236	343.75431	6.71654	0.1189874	0.29748518	2.2224184	21	—	—
532145 2013 NH_{8}	16.8	X	243.70562	215.55450	167.50257	19.68085	0.2860285	0.23725811	2.5841755	21	5 18.8	21.6
532146 2013 NC_{25}	17.1	X	230.85389	80.34452	269.70193	7.28761	0.1274411	0.21587264	2.7521429	21	3 31.8	21.5
532147 2013 NE_{25}	18.1	X	171.76505	256.59322	332.46097	3.49866	0.0766136	0.28123270	2.3072368	21	12 13.1	21.1
532148 2013 NH_{25}	17.7	X	277.73092	214.46511	127.82106	4.50649	0.2140441	0.23035397	2.6355560	21	5 4.9	21.6
532149 2013 NV_{25}	16.2	X	200.41978	353.81298	65.17316	12.03014	0.1216749	0.20369043	2.8608097	21	5 30.7	20.7
532150 2013 NX_{25}	16.9	X	353.95693	22.26195	343.09854	15.15873	0.1689387	0.24292766	2.5438104	21	10 22.2	19.7
532151 2013 ND_{26}	18.2	X	234.10392	301.11535	258.59503	5.90818	0.0450425	0.29030667	2.2589054	21	—	—
532152 2013 NF_{26}	16.9	X	274.41539	235.55609	102.71275	7.07481	0.1696893	0.22562796	2.6722317	21	5 2.9	20.8
532153 2013 NJ_{26}	17.2	X	12.43583	274.20969	338.14665	12.43658	0.1338858	0.23559776	2.5963024	21	6 12.2	20.2
532154 2013 NC_{27}	16.6	X	314.05801	319.12186	310.23545	12.64290	0.2303915	0.22323931	2.6912596	21	3 6.5	20.5
532155 2013 NR_{27}	17.2	X	6.99403	234.20133	29.83534	2.97131	0.0371774	0.23454921	2.6040345	21	6 18.7	20.3
532156 2013 NS_{27}	16.6	X	214.44285	280.24447	103.69278	11.24914	0.1919997	0.21476777	2.7615737	21	5 2.6	21.4
532157 2013 NT_{27}	17.5	X	9.28932	264.03350	8.63712	1.85624	0.0279436	0.23654841	2.5893417	21	7 4.7	20.8
532158 2013 NW_{27}	17.3	X	227.36072	196.54894	187.49188	2.03750	0.0543420	0.22419375	2.6836160	21	5 18.6	21.0
532159 2013 NX_{27}	18.1	X	146.60530	294.56381	314.36840	7.17901	0.0791986	0.28295267	2.2978774	21	12 10.6	21.4
532160 2013 NK_{28}	17.3	X	254.28211	21.97862	298.43276	12.78354	0.1929040	0.21523274	2.7575951	21	3 10.7	22.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532161 2013 NQ_{28}	17.0	X	202.15757	64.86151	283.71121	10.92169	0.1672871	0.20480121	2.8504562	21	3 2.3	21.9
532162 2013 NR_{28}	17.1	X	346.61898	320.52914	292.86791	12.33579	0.1668680	0.23032073	2.6358095	21	4 14.1	20.3
532163 2013 NO_{29}	17.8	X	10.72208	145.69593	128.09674	5.49220	0.0872693	0.23998624	2.5645538	21	7 10.3	20.6
532164 2013 NR_{29}	17.6	X	229.89929	81.98834	322.78785	10.25533	0.0406445	0.23253977	2.6190144	21	6 19.5	21.4
532165 2013 NG_{30}	17.7	X	245.33977	322.57531	73.13304	4.25047	0.1259809	0.23233842	2.6205274	21	6 16.2	21.3
532166 2013 NR_{30}	17.2	X	170.51859	78.66441	3.80380	4.97565	0.1427719	0.22148310	2.7054675	21	5 29.8	21.5
532167 2013 NT_{30}	18.0	X	260.17052	37.04254	111.56768	7.59596	0.0301752	0.28004123	2.3137765	21	12 26.9	20.7
532168 2013 NA_{31}	16.7	X	301.28236	287.95698	318.80132	8.22923	0.1729660	0.20935095	2.8090066	21	2 6.4	20.5
532169 2013 NN_{31}	17.6	X	244.17686	69.14414	273.58351	6.18383	0.1083810	0.21735310	2.7396316	21	4 7.1	21.8
532170 2013 NA_{32}	17.5	X	339.93777	106.66594	170.81506	4.64932	0.1301366	0.23134162	2.6280495	21	5 19.9	20.3
532171 2013 NB_{32}	17.4	X	289.43419	50.83099	262.59008	6.05763	0.1199669	0.22356517	2.6886439	21	4 20.9	21.1
532172 2013 NK_{32}	17.6	X	240.44289	150.02204	253.61056	4.18718	0.0533722	0.23485293	2.6017889	21	6 29.3	21.1
532173 2013 NQ_{32}	17.5	X	251.35851	209.78967	156.82758	6.18782	0.0753943	0.22599707	2.6693212	21	5 23.5	21.4
532174 2013 NA_{33}	17.6	X	251.39452	253.91890	141.26469	11.24702	0.0852687	0.23488734	2.6015348	21	6 28.1	21.3
532175 2013 NK_{33}	16.5	X	281.89047	335.61663	293.04565	11.01724	0.1868142	0.21468927	2.7622469	21	2 7.3	20.7
532176 2013 NL_{33}	17.3	X	323.98382	269.42977	111.60052	6.72783	0.1173558	0.25786722	2.4445858	21	9 29.5	19.8
532177 2013 NR_{33}	17.8	X	13.97882	347.89055	336.91790	1.97758	0.1873984	0.25834183	2.4415909	21	10 14.5	19.9
532178 2013 NS_{33}	18.2	X	200.52582	68.28510	154.91241	4.65070	0.1614839	0.29319079	2.2440671	21	12 31.4	21.4
532179 2013 OL_{3}	17.0	X	290.05364	231.16874	80.66679	19.50156	0.3685470	0.22394995	2.6855634	21	3 31.9	21.7
532180 2013 OQ_{4}	16.9	X	260.56544	270.48129	108.62292	15.44156	0.2299029	0.22876476	2.6477479	21	6 2.5	21.2
532181 2013 OW_{5}	18.1	X	178.90762	9.10555	264.95166	5.35516	0.1710058	0.30262360	2.1971895	21	—	—
532182 2013 OT_{7}	17.2	X	182.86381	52.89261	310.24045	10.96314	0.2884074	0.19490010	2.9461940	21	3 8.5	22.6
532183 2013 OO_{8}	17.1	X	289.94006	172.51587	155.66429	13.58359	0.2739564	0.22769711	2.6560181	21	4 24.9	21.2
532184 2013 OR_{11}	7.3	X	8.38399	316.48591	53.21485	21.16974	0.6283406	0.00137061	80.2650061	21	11 16.5	22.5
532185 2013 OD_{12}	16.4	X	230.68068	137.16165	182.14687	15.01485	0.1510954	0.20337492	2.8637677	21	2 24.4	21.2
532186 2013 PB	17.1	X	248.14830	38.55955	300.07196	15.35028	0.3228052	0.21344880	2.7729385	21	3 17.3	22.3
532187 2013 PG	16.5	X	228.84683	116.88596	283.66954	13.05585	0.2033407	0.21888115	2.7268661	21	5 29.7	21.1
532188 2013 PD_{2}	17.2	X	190.22213	39.43191	329.96880	10.37407	0.0707070	0.20006528	2.8952644	21	3 17.3	21.6
532189 2013 PJ_{2}	16.9	X	270.19120	241.76574	145.62264	31.35335	0.2623786	0.23266761	2.6180550	21	6 21.7	21.4
532190 2013 PK_{4}	16.8	X	301.40503	19.87059	304.20363	12.89169	0.2572951	0.22625966	2.6672556	21	4 25.7	20.8
532191 2013 PO_{4}	17.6	X	180.61351	31.04758	264.17012	7.62742	0.1125065	0.30102475	2.2049627	21	—	—
532192 2013 PJ_{7}	17.2	X	264.51019	24.57849	309.69040	12.05513	0.2019135	0.21724585	2.7405332	21	4 5.1	21.8
532193 2013 PM_{7}	16.7	X	291.58792	55.95856	321.37476	30.58686	0.2891719	0.23434246	2.6055659	21	7 3.3	20.7
532194 2013 PX_{13}	16.0	X	233.77312	56.34919	297.83233	32.46480	0.3159515	0.21327588	2.7744372	21	3 13.4	21.8
532195 2013 PL_{16}	17.1	X	308.92326	16.36101	300.27681	11.53357	0.1200128	0.22882473	2.6472853	21	5 22.4	20.6
532196 2013 PA_{17}	17.3	X	247.44742	152.07417	177.31468	8.75096	0.2065697	0.21252955	2.7809286	21	3 21.2	21.8
532197 2013 PS_{17}	17.8	X	108.92839	1.97339	308.78274	5.62179	0.1786830	0.28563236	2.2834829	21	—	—
532198 2013 PN_{18}	17.1	X	304.75767	176.92408	141.80137	8.34004	0.1406985	0.23044788	2.6348399	21	5 20.3	20.5
532199 2013 PT_{19}	17.2	X	266.09223	182.17354	165.36718	11.82993	0.1930208	0.22121195	2.7076778	21	5 3.6	21.5
532200 2013 PX_{19}	18.4	X	158.81147	349.01909	336.50772	6.53559	0.1857228	0.30212073	2.1996269	21	—	—
532201 2013 PY_{21}	18.2	X	101.56327	184.41026	172.88089	7.38367	0.1592151	0.28999505	2.2605233	21	—	—
532202 2013 PJ_{23}	17.8	X	215.63108	255.46995	167.13802	8.20113	0.3151259	0.21692700	2.7432179	21	6 11.2	22.9
532203 2013 PO_{24}	16.7	X	266.37137	97.59611	269.01947	10.78301	0.3290280	0.22361148	2.6882727	21	5 8.4	21.2
532204 2013 PU_{28}	18.7	X	190.84212	323.46340	316.78033	2.66697	0.1858240	0.30158972	2.2022081	21	—	—
532205 2013 PS_{30}	17.8	X	219.52363	51.19061	319.23498	3.04381	0.1224718	0.20962643	2.8065451	21	4 17.7	22.1
532206 2013 PT_{30}	17.6	X	237.67859	104.05921	332.20321	13.03546	0.1555419	0.23369321	2.6103895	21	7 30.8	21.5
532207 2013 PF_{32}	17.3	X	252.05028	201.67658	184.24443	11.38775	0.1166895	0.22530616	2.6747755	21	6 12.9	21.4
532208 2013 PP_{32}	17.0	X	284.00235	28.69603	267.32042	4.11035	0.1409804	0.21123225	2.7923031	21	3 21.2	21.1
532209 2013 PQ_{33}	17.5	X	304.35506	1.60798	317.13441	6.71573	0.1262838	0.22448882	2.6812639	21	5 17.7	21.0
532210 2013 PT_{34}	18.4	X	182.34175	114.02033	174.96072	3.68593	0.1848893	0.30474945	2.1869596	21	—	—
532211 2013 PE_{36}	16.9	X	202.99705	294.05600	148.79414	14.95434	0.2591146	0.22406650	2.6846320	21	6 28.1	21.8
532212 2013 PB_{37}	17.3	X	230.71809	62.30762	295.01705	8.02652	0.1789017	0.21293667	2.7773828	21	4 6.5	22.0
532213 2013 PE_{37}	17.4	X	241.27644	212.93656	164.54673	6.73835	0.2767352	0.21983022	2.7190120	21	5 9.5	22.1
532214 2013 PF_{37}	17.0	X	201.48648	235.22066	165.85864	7.94371	0.2130040	0.21368806	2.7708683	21	5 9.9	21.8
532215 2013 PM_{38}	17.0	X	279.41626	341.41917	354.13270	13.62062	0.1774190	0.22607453	2.6687115	21	4 25.8	21.2
532216 2013 PX_{38}	19.0	X	8.01434	96.33180	298.86973	20.20073	0.2135333	0.39540753	1.8383975	21	—	—
532217 2013 PH_{39}	18.4	X	160.97765	61.04154	240.39325	4.86739	0.0883792	0.29774594	2.2211206	21	—	—
532218 2013 PX_{42}	17.2	X	293.61857	116.86756	208.08000	10.29217	0.1899425	0.22313559	2.6920936	21	5 4.1	20.9
532219 2013 PQ_{43}	17.1	X	240.52405	39.72808	305.53787	6.14025	0.3524104	0.21119514	2.7926303	21	3 23.8	22.4
532220 2013 PH_{48}	18.5	X	188.42295	86.88552	205.26859	3.83466	0.2176193	0.30577148	2.1820837	21	—	—
532221 2013 PT_{48}	17.3	X	327.88958	344.45403	292.74256	8.23921	0.1576359	0.22646872	2.6656138	21	4 19.3	20.6
532222 2013 PX_{51}	16.7	X	296.33789	138.97146	179.49526	14.25459	0.1092288	0.22174459	2.7033402	21	5 13.7	20.5
532223 2013 PZ_{53}	18.5	X	186.96560	276.89911	11.70267	3.84781	0.1945811	0.30367526	2.1921138	21	—	—
532224 2013 PF_{54}	18.1	X	154.65204	355.45015	313.47014	0.31155	0.1539235	0.29579383	2.2308822	21	—	—
532225 2013 PR_{55}	17.8	X	85.07499	1.83328	192.93897	3.52749	0.0310973	0.22901208	2.6458413	21	7 5.2	21.2
532226 2013 PH_{57}	16.9	X	291.23355	27.21378	291.77325	12.99653	0.2563403	0.22687060	2.6624649	21	4 5.8	21.2
532227 2013 PL_{57}	17.8	X	239.55011	200.86251	172.75839	10.34297	0.2712370	0.22077092	2.7112827	21	5 4.3	22.6
532228 2013 PH_{60}	17.4	X	299.87935	49.59037	279.00026	6.34082	0.1424361	0.23163551	2.6258261	21	5 22.9	20.8
532229 2013 PV_{60}	17.1	X	208.42514	89.55586	295.20209	11.89416	0.1620539	0.21449858	2.7638837	21	4 19.3	21.9
532230 2013 PY_{64}	17.7	X	255.50222	144.02825	175.97588	9.11758	0.2099285	0.21393784	2.7687111	21	3 16.5	22.3
532231 2013 PV_{65}	17.9	X	321.58007	125.67415	189.32188	3.13280	0.0915721	0.23136562	2.6278677	21	6 15.6	20.9
532232 2013 PO_{68}	18.2	X	177.57474	354.61232	268.39673	2.15208	0.1720860	0.29456680	2.2370731	21	—	—
532233 2013 PT_{69}	19.3	X	217.79118	159.67564	133.39026	5.70458	0.3448842	0.32032032	2.1155001	21	1 2.4	23.2
532234 2013 PD_{72}	17.1	X	221.26327	254.99938	131.12838	13.14238	0.2066982	0.21946736	2.7220082	21	5 10.5	21.9
532235 2013 PT_{73}	16.7	X	222.24847	216.52625	149.10799	4.75757	0.1142169	0.21035385	2.8000712	21	4 17.9	21.0
532236 2013 PC_{76}	17.5	X	305.29953	55.78179	305.93452	7.76949	0.1826086	0.23828478	2.5767474	21	7 12.8	20.4
532237 2013 PG_{76}	17.9	X	232.59177	93.49563	332.86702	9.27931	0.0828384	0.23175868	2.6248957	21	7 18.9	21.7
532238 2013 PJ_{76}	17.2	X	281.39711	241.34020	130.55892	7.34267	0.1898399	0.23203257	2.6228296	21	6 19.7	20.8
532239 2013 PK_{76}	17.0	X	199.22100	243.79279	145.85188	5.33145	0.1228059	0.20891196	2.8129403	21	4 25.0	21.5
532240 2013 PL_{76}	16.9	X	247.19769	182.81493	143.66204	8.80524	0.1665504	0.20882569	2.8137149	21	3 22.8	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532241 2013 PN_{76}	17.4	X	204.57284	238.91891	151.49991	9.03855	0.2144361	0.21088253	2.7953894	21	4 30.5	22.3
532242 2013 PP_{76}	16.9	X	142.68025	207.61430	244.90525	5.63229	0.0371627	0.21281082	2.7784776	21	5 5.6	20.9
532243 2013 PQ_{76}	17.5	X	259.19801	69.96282	270.58480	3.68229	0.0895541	0.21458330	2.7631562	21	4 25.0	21.6
532244 2013 PV_{76}	17.2	X	287.34999	216.33815	136.62311	9.19304	0.1388697	0.22930163	2.6436135	21	6 10.7	20.8
532245 2013 PW_{76}	17.1	X	96.91966	189.10065	344.45545	13.91456	0.0134178	0.22561334	2.6723471	21	6 20.4	21.0
532246 2013 PX_{76}	16.7	X	291.33005	294.66455	357.70525	7.38766	0.2030922	0.21543179	2.7558962	21	3 18.5	20.5
532247 2013 PY_{76}	17.2	X	210.45595	183.14376	315.62023	4.87692	0.1318610	0.25199111	2.4824427	21	9 19.7	20.9
532248 2013 PZ_{76}	17.2	X	251.43646	65.40776	282.17932	1.12258	0.0896899	0.21700840	2.7425319	21	4 25.7	21.3
532249 2013 PF_{77}	17.1	X	278.15767	75.08668	243.92199	8.28041	0.2081812	0.21963621	2.7206129	21	4 2.6	21.4
532250 2013 PL_{78}	17.3	X	151.31063	341.52927	245.30104	6.38129	0.0849040	0.26792652	2.3830084	21	11 14.8	20.6
532251 2013 PQ_{78}	17.3	X	256.68555	150.29949	176.52276	7.65729	0.1784431	0.21158463	2.7892020	21	3 29.2	21.6
532252 2013 PT_{78}	17.4	X	216.12746	88.52252	295.59753	7.43277	0.1990394	0.21295787	2.7771985	21	4 26.6	22.1
532253 2013 PW_{78}	16.8	X	217.32855	48.39953	337.08580	11.68757	0.1350469	0.21195632	2.7859402	21	4 29.8	21.4
532254 2013 PD_{79}	17.1	X	246.67194	159.41409	206.20094	5.82320	0.0425394	0.21964702	2.7205237	21	5 19.8	20.8
532255 2013 PE_{79}	17.6	X	293.58204	346.21441	330.38326	1.78225	0.0408127	0.21856540	2.7294917	21	5 14.8	21.3
532256 2013 PG_{79}	17.5	X	250.47503	187.62952	165.44652	10.40337	0.2132379	0.21808797	2.7334738	21	4 23.1	22.0
532257 2013 PO_{79}	17.7	X	290.55813	87.29120	246.25369	3.76719	0.0553948	0.22346593	2.6894399	21	5 31.8	21.2
532258 2013 PP_{79}	17.0	X	281.38340	340.21223	315.41913	7.37129	0.1587154	0.21053267	2.7984855	21	3 14.9	21.3
532259 2013 PD_{80}	17.7	X	157.54692	275.30198	302.12782	5.52848	0.0659680	0.27054360	2.3676157	21	11 8.8	21.1
532260 2013 PS_{80}	18.1	X	79.32468	128.39627	153.22873	5.25837	0.1084211	0.26353640	2.4094004	21	11 9.2	21.4
532261 2013 PY_{80}	17.4	X	258.40417	79.58548	263.44597	3.35083	0.1013765	0.21909997	2.7250502	21	4 25.8	21.5
532262 2013 PE_{82}	17.8	X	250.31044	99.18145	351.46383	15.07664	0.0561360	0.24703431	2.5155398	21	9 15.2	20.9
532263 2013 PL_{82}	16.9	X	259.87126	41.40966	276.61838	3.79621	0.1192928	0.21011143	2.8022246	21	3 24.8	21.2
532264 2013 PP_{82}	17.7	X	292.08812	148.89437	199.15351	8.01757	0.0333764	0.22986431	2.6392976	21	6 25.6	21.2
532265 2013 PU_{82}	17.4	X	233.25043	44.81962	332.44882	12.77280	0.1213916	0.21718913	2.7410102	21	5 5.9	21.9
532266 2013 PW_{82}	17.9	X	290.20998	54.63566	342.39828	8.87473	0.0696664	0.24331293	2.5411244	21	8 27.2	20.9
532267 2013 PZ_{82}	17.4	X	228.23496	43.77863	304.30848	1.06878	0.0944229	0.20606392	2.8387997	21	4 1.5	21.7
532268 2013 PF_{83}	17.4	X	265.69757	164.66086	177.76484	11.22869	0.0699043	0.21971381	2.7199723	21	5 11.2	21.3
532269 2013 PV_{83}	17.0	X	281.90533	295.83876	26.46673	8.36249	0.1528973	0.21860073	2.7291975	21	4 20.7	20.8
532270 2013 PX_{83}	17.0	X	301.33560	293.29098	334.20418	14.98127	0.2518177	0.21381199	2.7697974	21	2 21.1	21.0
532271 2013 PY_{83}	17.9	X	102.08199	26.59077	256.88363	9.22609	0.1167698	0.27483066	2.3429297	21	12 7.3	21.2
532272 2013 QL	17.6	X	269.77142	82.69335	305.93499	10.36714	0.2107901	0.23414527	2.6070286	21	6 25.1	21.3
532273 2013 QK_{4}	17.1	X	289.69967	2.94091	316.19291	6.18493	0.2526966	0.22369768	2.6875820	21	4 8.9	21.1
532274 2013 QM_{5}	19.0	X	147.43538	177.84485	151.08212	5.26940	0.2154820	0.30092238	2.2054627	21	—	—
532275 2013 QL_{12}	17.6	X	282.25379	184.51935	151.77141	2.45315	0.0721342	0.22441305	2.6818675	21	5 22.1	21.2
532276 2013 QL_{15}	17.7	X	200.75168	221.48252	183.95658	3.40551	0.1695231	0.21102919	2.7940941	21	5 13.9	22.3
532277 2013 QC_{18}	16.9	X	300.59840	325.18684	341.90458	12.81268	0.1668809	0.22447412	2.6813810	21	4 16.2	20.6
532278 2013 QG_{20}	18.4	X	130.16552	246.44248	73.27300	2.41811	0.1851670	0.29313206	2.2443668	21	—	—
532279 2013 QA_{24}	15.5	X	359.17822	218.20681	105.49830	3.73717	0.1538435	0.12173301	4.0320925	21	8 25.5	20.2
532280 2013 QV_{25}	17.5	X	305.50716	154.51784	151.92362	2.57493	0.0665041	0.22463832	2.6800742	21	5 14.8	21.0
532281 2013 QD_{28}	18.3	X	168.88703	133.08652	156.73914	8.55255	0.2660130	0.30053316	2.2073665	21	—	—
532282 2013 QB_{33}	17.0	X	146.14706	298.96663	341.57136	23.67135	0.2140970	0.28965406	2.2622971	21	—	—
532283 2013 QM_{34}	17.8	X	250.54281	290.77915	117.57254	12.58319	0.1369340	0.22301709	2.6930471	21	7 7.8	21.6
532284 2013 QR_{36}	17.4	X	284.15714	191.55638	131.49416	5.82237	0.1184120	0.22184067	2.7025596	21	5 1.9	21.2
532285 2013 QN_{37}	16.8	X	237.71909	159.35492	245.46159	11.14314	0.3605196	0.21928412	2.7235244	21	6 1.9	21.8
532286 2013 QQ_{38}	17.2	X	224.11854	51.89932	289.75213	4.46558	0.0793308	0.20566839	2.8424381	21	3 19.3	21.5
532287 2013 QT_{38}	18.0	X	234.85269	89.40469	282.77863	4.18755	0.1923609	0.21641984	2.7475019	21	4 29.9	22.5
532288 2013 QX_{38}	18.5	X	173.43852	103.54558	185.25775	5.07097	0.1778782	0.29991136	2.2104165	21	—	—
532289 2013 QD_{41}	17.2	X	213.38158	173.11430	321.09498	10.26027	0.1100828	0.25237190	2.4799450	21	9 17.1	20.9
532290 2013 QV_{43}	17.9	X	358.00701	57.62167	296.64524	4.76439	0.0478817	0.25640212	2.4538893	21	10 11.1	20.9
532291 2013 QH_{44}	18.5	X	102.79711	33.14309	288.16128	2.28769	0.1170960	0.28224582	2.3017123	21	—	—
532292 2013 QO_{51}	17.5	X	210.21610	73.31270	320.86394	3.25386	0.0821790	0.21559288	2.7545232	21	5 9.3	21.6
532293 2013 QV_{51}	18.4	X	169.62977	354.60828	204.87576	21.60503	0.0587088	0.39190952	1.8493205	21	11 22.9	20.5
532294 2013 QR_{52}	18.0	X	235.14546	269.40257	170.86243	11.53635	0.2790350	0.22884453	2.6471326	21	7 17.4	22.6
532295 2013 QT_{53}	17.6	X	315.93580	154.42388	144.18781	1.53889	0.1543129	0.22707399	2.6608749	21	5 5.4	20.9
532296 2013 QC_{54}	17.1	X	191.86556	233.13276	145.41550	8.32300	0.2824057	0.20175663	2.8790608	21	4 7.2	22.4
532297 2013 QW_{56}	16.8	X	189.98399	285.08996	140.44534	13.66061	0.1980298	0.21334999	2.7737946	21	5 31.3	21.7
532298 2013 QQ_{57}	17.5	X	240.02872	293.02199	56.29016	3.66652	0.1487273	0.21184883	2.7868826	21	4 12.5	21.9
532299 2013 QR_{59}	17.7	X	284.88355	38.51296	342.18958	11.69777	0.2006307	0.23577382	2.5950098	21	7 6.7	21.2
532300 2013 QM_{62}	16.9	X	181.63596	17.78149	345.20471	7.25473	0.2130012	0.19656626	2.9295218	21	3 9.0	21.8
532301 2013 QA_{64}	16.9	X	326.12953	158.40270	147.66343	14.97042	0.1496520	0.23508244	2.6000953	21	6 5.2	20.1
532302 2013 QF_{65}	17.2	X	277.14306	358.71926	3.95558	14.38520	0.2504898	0.22701949	2.6613007	21	5 19.6	21.4
532303 2013 QH_{65}	16.5	X	296.39045	301.02535	10.92867	14.10059	0.1873882	0.22162788	2.7042891	21	4 17.2	20.2
532304 2013 QV_{67}	17.0	X	220.06590	206.54306	152.65314	4.28926	0.1118806	0.20863413	2.8154370	21	4 7.7	21.3
532305 2013 QL_{69}	17.4	X	276.37022	310.95175	339.86715	14.41551	0.2354864	0.21474078	2.7618052	21	2 26.4	21.6
532306 2013 QW_{72}	18.4	X	173.77363	279.64102	7.42085	6.53722	0.1447472	0.29742482	2.2227191	21	—	—
532307 2013 QD_{74}	17.8	X	342.22028	44.52480	347.67830	8.38217	0.1027563	0.25824228	2.4422183	21	11 11.6	20.6
532308 2013 QO_{74}	17.5	X	268.72060	234.58156	158.46095	5.91130	0.3357643	0.23062407	2.6334978	21	6 13.9	21.8
532309 2013 QT_{74}	18.4	X	180.66203	116.16082	149.68635	7.07445	0.1972032	0.29909057	2.2144586	21	—	—
532310 2013 QG_{79}	18.3	X	157.50342	159.32648	158.58667	3.01174	0.1723930	0.30136945	2.2032810	21	—	—
532311 2013 QA_{80}	18.6	X	191.69893	120.68158	167.94349	5.37382	0.1177168	0.30356113	2.1926633	21	—	—
532312 2013 QZ_{80}	17.9	X	33.29044	5.73402	8.55922	5.03459	0.2325117	0.26962068	2.3730156	21	—	—
532313 2013 QA_{82}	16.4	X	291.87510	11.58378	276.72955	20.95825	0.1886736	0.21308612	2.7760840	21	3 4.2	21.0
532314 2013 QE_{87}	17.4	X	221.81512	239.29451	129.34984	6.80379	0.0836222	0.21246012	2.7815344	21	4 23.9	21.7
532315 2013 QF_{88}	17.6	X	244.22645	253.36566	94.28005	0.50859	0.0846747	0.21453681	2.7635554	21	4 18.9	21.5
532316 2013 QG_{92}	17.1	X	191.07534	132.08307	270.85241	4.16794	0.1560208	0.21218471	2.7839408	21	4 30.2	21.6
532317 2013 QD_{93}	16.8	X	235.14882	350.46262	333.77049	12.15423	0.0855171	0.20426627	2.8554306	21	3 9.5	21.1
532318 2013 QZ_{95}	17.2	X	295.25369	162.22337	150.27653	5.82663	0.1221207	0.21652816	2.7465855	21	5 2.1	20.9
532319 2013 QF_{96}	17.9	X	259.49626	260.17097	166.99469	4.74481	0.0986942	0.24366011	2.5387100	21	8 18.9	21.2
532320 2013 RP	17.9	X	151.74426	35.05515	280.57635	4.64733	0.1559622	0.29309215	2.2445706	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532321 2013 RQ_1	17.3	X	177.18192	75.32244	340.73148	12.08634	0.1424880	0.20639389	2.8357732	21	4 29.7	22.1
532322 2013 RT_1	16.8	X	139.27961	346.95378	129.60362	13.26644	0.0693135	0.20668678	2.8330936	21	6 8.4	21.1
532323 2013 RZ_2	17.5	X	198.49252	27.33013	342.59224	5.60341	0.0793747	0.20046943	2.8913718	21	3 28.4	21.8
532324 2013 RC_3	17.2	X	209.07494	214.97424	173.77045	4.51852	0.0829684	0.20994717	2.8036859	21	5 3.9	21.5
532325 2013 RR_4	16.9	X	217.18791	215.18348	176.20564	9.85714	0.2312515	0.20973157	2.8056070	21	5 10.4	21.8
532326 2013 RH_9	17.3	X	266.76279	157.23879	174.00481	14.49465	0.1890669	0.21734392	2.7397087	21	4 13.8	21.6
532327 2013 RJ_9	18.8	X	194.51473	109.90883	171.89867	5.97807	0.2167598	0.30551983	2.1832817	21	—	—
532328 2013 RK_9	17.1	X	209.77231	207.08144	176.47583	9.58061	0.1933798	0.21041785	2.7995034	21	4 25.9	21.9
532329 2013 RZ_9	17.1	X	227.42233	183.82313	191.44852	9.19866	0.1786382	0.21230780	2.7828646	21	4 30.9	21.6
532330 2013 RC_{13}	17.8	X	250.47025	85.38668	317.77574	9.75444	0.2147926	0.22892109	2.6465424	21	6 22.5	22.0
532331 2013 RE_{17}	17.6	X	293.36857	2.09291	6.27357	6.12575	0.2825731	0.23283730	2.6167828	21	6 15.3	21.0
532332 2013 RR_{20}	16.7	X	270.45385	347.97870	326.29927	10.39530	0.1605971	0.21336095	2.7736996	21	3 24.4	21.1
532333 2013 RL_{22}	18.0	X	70.20642	178.70259	174.74532	5.79705	0.2553006	0.27650414	2.3334668	21	—	—
532334 2013 RV_{22}	17.5	X	269.25673	64.01338	319.79489	7.48924	0.3460648	0.22431202	2.6826727	21	5 31.3	22.0
532335 2013 RG_{24}	17.1	X	279.89804	313.70139	12.00072	13.60135	0.2714591	0.22422644	2.6833552	21	4 7.0	21.1
532336 2013 RR_{24}	17.0	X	314.80871	128.38663	158.76888	5.42886	0.1334422	0.21526199	2.7573452	21	4 23.7	20.5
532337 2013 RC_{25}	17.5	X	144.69726	332.23199	352.33408	9.06666	0.1688537	0.29318340	2.2441048	21	—	—
532338 2013 RB_{26}	16.7	X	320.84361	326.81015	344.69068	11.46923	0.0652102	0.23388536	2.6089596	21	6 11.7	20.2
532339 2013 RQ_{26}	17.9	X	66.60968	341.47269	4.03522	6.81378	0.1415849	0.27021768	2.3695191	21	—	—
532340 2013 RS_{29}	16.5	X	281.54523	150.87918	172.94621	13.66543	0.1922909	0.21604067	2.7507157	21	4 20.3	20.6
532341 2013 RX_{29}	17.4	X	199.96307	77.49719	342.02322	6.08410	0.1700106	0.20915881	2.8107266	21	5 28.7	22.1
532342 2013 RZ_{30}	17.7	X	181.47924	219.88967	213.06457	3.85503	0.1837294	0.21197450	2.7857810	21	5 30.5	22.3
532343 2013 RC_{31}	18.1	X	181.97547	9.80664	274.90353	2.18429	0.1498210	0.29853703	2.2171951	21	—	—
532344 2013 RP_{32}	16.4	X	231.44348	61.17592	341.92273	12.38498	0.1776436	0.22196390	2.7015592	21	6 4.9	21.0
532345 2013 RS_{34}	16.7	X	325.03290	43.50338	244.93796	12.67761	0.2376358	0.22632250	2.6667618	21	4 18.5	19.8
532346 2013 RP_{38}	17.4	X	202.55006	249.53057	180.67959	8.11090	0.1428475	0.21658726	2.7460859	21	6 15.6	21.9
532347 2013 RV_{40}	16.5	X	239.94007	34.01207	6.61408	15.16750	0.0997362	0.22161789	2.7043704	21	6 18.9	20.8
532348 2013 RB_{41}	17.3	X	265.37418	243.41298	170.24026	12.83865	0.3079351	0.22888247	2.6468401	21	7 8.8	21.6
532349 2013 RJ_{41}	18.0	X	329.80782	329.86619	97.21845	2.56263	0.1644653	0.25927534	2.4357268	21	12 16.8	20.0
532350 2013 RO_{42}	18.1	X	99.84577	83.70873	201.86106	24.70407	0.0933979	0.39532653	1.8386486	21	12 25.6	21.0
532351 2013 RK_{44}	17.3	X	263.61505	126.34832	195.75277	7.97806	0.2522376	0.21285058	2.7781317	21	3 21.8	21.9
532352 2013 RR_{44}	17.4	X	23.65542	273.20420	112.60901	3.20079	0.2041701	0.26362123	2.4088835	21	—	—
532353 2013 RC_{45}	16.8	X	290.67946	88.16366	230.13206	12.56391	0.1049356	0.21955337	2.7212972	21	5 3.4	20.5
532354 2013 RE_{46}	16.9	X	150.79781	71.37746	338.01788	14.48253	0.2325642	0.19079932	2.9882585	21	4 3.5	22.1
532355 2013 RA_{48}	17.2	X	246.89365	174.43299	191.07526	3.28320	0.1096959	0.21422494	2.7662368	21	5 12.8	21.3
532356 2013 RF_{48}	16.9	X	180.39927	69.19925	352.19854	14.53168	0.1462567	0.20640964	2.8356289	21	5 9.0	21.7
532357 2013 RV_{48}	17.0	X	274.78337	127.00371	182.54117	6.32546	0.0488943	0.20863959	2.8153878	21	4 12.1	20.9
532358 2013 RN_{51}	17.4	X	246.23035	167.06963	220.14474	6.57919	0.1211491	0.22191236	2.7019775	21	6 7.2	21.3
532359 2013 RX_{51}	17.0	X	251.04422	74.85997	9.07634	27.24734	0.4052599	0.22543680	2.6737421	21	8 7.4	22.1
532360 2013 RU_{52}	17.7	X	159.82796	19.53771	281.69563	5.48665	0.1912954	0.29747761	2.2224561	21	—	—
532361 2013 RR_{53}	13.9	X	190.12050	197.18565	225.13085	8.84602	0.0624502	0.08160940	5.2639196	21	5 30.5	21.1
532362 2013 RL_{54}	16.7	X	222.27542	34.77385	306.55176	9.47921	0.1414887	0.20210936	2.8757101	21	3 13.2	21.5
532363 2013 RC_{55}	17.8	X	258.19083	99.88364	305.15354	10.73646	0.1642428	0.23310285	2.6147951	21	7 9.9	21.5
532364 2013 RV_{57}	17.0	X	277.75232	21.95070	281.42212	3.89260	0.1398747	0.21021583	2.8012966	21	3 23.7	21.2
532365 2013 RM_{58}	18.2	X	157.40798	0.66779	321.35708	4.81994	0.2338908	0.30088212	2.2056595	21	—	—
532366 2013 RH_{59}	17.3	X	211.56566	136.99865	236.75926	5.55943	0.0795847	0.20657206	2.8341423	21	4 15.7	21.7
532367 2013 RR_{60}	17.9	X	172.76891	9.15317	271.45029	5.26058	0.1790676	0.29519687	2.2338888	21	—	—
532368 2013 RF_{63}	17.5	X	202.43503	67.80770	351.81020	11.24601	0.1502432	0.21566791	2.7538843	21	5 30.1	22.1
532369 2013 RQ_{65}	17.7	X	217.73244	57.78366	345.74961	8.65493	0.1590097	0.21618455	2.7494951	21	5 24.2	22.3
532370 2013 RX_{66}	16.0	X	162.68843	138.61803	218.55717	27.16736	0.2516177	0.17909237	3.1171042	21	2 11.8	21.8
532371 2013 RZ_{66}	17.6	X	307.66828	63.30232	257.79430	1.71455	0.1052252	0.22541376	2.6739242	21	5 31.3	20.9
532372 2013 RM_{68}	17.6	X	199.72683	44.44872	342.47223	15.36006	0.2568365	0.20164153	2.8801563	21	4 13.3	23.0
532373 2013 RZ_{68}	18.0	X	125.66078	18.44776	306.05933	3.89761	0.1963536	0.28754565	2.2733424	21	—	—
532374 2013 RS_{74}	16.8	X	250.13769	26.17109	288.46215	10.53603	0.1560129	0.20471571	2.8512498	21	3 5.1	21.6
532375 2013 RR_{76}	17.4	X	245.14354	204.99714	139.75870	0.75820	0.0801665	0.21018640	2.8015582	21	4 17.3	21.3
532376 2013 RW_{76}	17.5	X	235.66805	9.30807	350.26545	3.96847	0.0820086	0.21140176	2.7908103	21	4 23.4	21.7
532377 2013 RO_{79}	16.9	X	187.45712	94.51411	4.06724	11.63461	0.1284052	0.22423443	2.6832915	21	7 9.0	21.3
532378 2013 RJ_{81}	17.2	X	255.78588	162.71646	185.08004	3.70151	0.0764422	0.21396683	2.7684610	21	5 4.1	21.2
532379 2013 RQ_{81}	17.4	X	303.76956	132.93787	185.45493	7.84857	0.1445325	0.22341580	2.6898421	21	5 17.2	20.8
532380 2013 RS_{81}	18.0	X	166.18378	290.87167	345.60787	5.73343	0.2045838	0.29083419	2.2561730	21	—	—
532381 2013 RM_{83}	18.2	X	111.16517	54.42335	264.45074	3.98648	0.1802887	0.28077167	2.3097618	21	—	—
532382 2013 RW_{85}	17.2	X	190.96572	15.91187	347.96320	8.15197	0.1999766	0.19213049	2.9744398	21	3 16.9	22.4
532383 2013 RA_{86}	17.1	X	218.37140	243.49274	199.96526	21.66929	0.0522334	0.22594397	2.6697395	21	7 20.7	21.4
532384 2013 RF_{90}	17.0	X	233.88428	85.15678	353.43554	14.71172	0.2281204	0.22538077	2.6741852	21	7 24.6	21.6
532385 2013 RN_{90}	16.2	X	160.75726	16.35774	357.77278	18.52776	0.1387933	0.18516438	3.0485811	21	3 5.3	21.1
532386 2013 RC_{91}	16.9	X	202.37536	210.58364	202.05789	9.47080	0.1414789	0.20991433	2.8039784	21	5 25.2	21.5
532387 2013 RU_{91}	15.8	X	169.02560	126.58940	232.46536	22.16066	0.1827696	0.17978364	3.1091089	21	2 14.6	21.4
532388 2013 RB_{94}	17.0	X	275.63154	305.52039	4.05319	10.84410	0.2770226	0.21119673	2.7926162	21	3 17.1	21.4
532389 2013 RE_{97}	17.7	X	12.21633	35.14139	354.87865	5.54785	0.2079952	0.26080965	2.4261647	21	—	—
532390 2013 RX_{99}	17.8	X	238.86466	247.37605	176.93283	1.32751	0.1587672	0.22013914	2.7164677	21	7 12.9	22.0
532391 2013 RB_{100}	17.3	X	282.73796	145.20203	254.21717	1.13100	0.1425039	0.22620949	2.6676499	21	8 5.3	20.5
532392 2013 RM_{100}	16.7	X	155.87174	213.36557	183.15129	10.41236	0.1158573	0.18737852	3.0245181	21	3 21.5	21.3
532393 2013 RS_{100}	16.4	X	142.36060	74.05033	11.16267	1.41738	0.1153669	0.18921110	3.0049573	21	5 5.5	21.1
532394 2013 RY_{100}	17.4	X	98.72150	83.66966	70.68521	1.45494	0.0107530	0.21371122	2.7706680	21	5 27.5	21.0
532395 2013 RE_{101}	17.2	X	271.43630	358.14017	342.82105	4.62585	0.1661830	0.21993705	2.7181314	21	4 29.3	21.2
532396 2013 RH_{101}	17.7	X	329.92255	213.92747	244.42602	2.31974	0.1485263	0.25946802	2.4345208	21	—	—
532397 2013 RJ_{101}	16.8	X	267.83083	325.34635	46.33003	12.22414	0.0801037	0.22175330	2.7032693	21	6 16.8	20.6
532398 2013 RM_{101}	17.6	X	281.11226	138.22729	186.49217	3.07047	0.0914662	0.21419793	2.7664694	21	5 3.0	21.4
532399 2013 RT_{101}	15.6	X	319.79264	192.48853	84.12019	12.57280	0.0471821	0.18026747	3.1035432	21	5 4.9	20.0
532400 2013 RU_{101}	18.0	X	4.43455	159.38981	188.12673	4.77116	0.1169886	0.25243728	2.4795168	21	10 21.4	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532401 2013 RW_{101}	17.6	X	66.75486	325.70292	342.31361	3.98161	0.1444793	0.26174408	2.4203870	21	11 30.3	21.0
532402 2013 RY_{101}	17.5	X	63.91652	290.93311	23.42970	5.28352	0.1087718	0.25958200	2.4338081	21	11 30.0	20.8
532403 2013 RU_{102}	17.6	X	257.29901	186.44952	195.09396	5.79213	0.0655394	0.22551535	2.6731212	21	6 19.7	21.3
532404 2013 RW_{102}	17.0	X	260.75414	75.68421	10.94392	15.31781	0.1055413	0.24586545	2.5235062	21	9 19.6	20.3
532405 2013 RY_{102}	16.8	X	166.56093	191.86642	225.34797	9.49058	0.1568183	0.18930191	3.0039962	21	4 27.6	21.6
532406 2013 RZ_{102}	17.1	X	187.89111	200.14759	211.70358	3.99756	0.0457915	0.20536904	2.8451996	21	5 9.4	21.1
532407 2013 RF_{103}	17.1	X	282.15697	138.27797	204.92770	8.30691	0.1990482	0.22055539	2.7130488	21	5 12.9	21.0
532408 2013 RG_{103}	17.6	X	99.66955	70.29994	211.94432	5.80721	0.1319281	0.26280506	2.4138683	21	12 2.9	21.1
532409 2013 RP_{103}	16.5	X	197.69917	197.70302	200.17348	12.32227	0.1022568	0.20360106	2.8616468	21	5 3.4	21.0
532410 2013 RQ_{103}	15.7	X	176.97245	156.78308	230.44833	10.00710	0.0275599	0.18143040	3.0902671	21	3 24.9	20.4
532411 2013 RW_{103}	17.9	X	196.32265	295.31044	144.16477	3.63570	0.1611775	0.22060695	2.7126260	21	6 20.6	22.3
532412 2013 RZ_{103}	17.8	X	207.48225	99.45604	309.21695	1.26744	0.1268535	0.21379954	2.7699050	21	5 24.2	22.2
532413 2013 RB_{104}	18.1	X	248.02932	329.06667	165.01804	12.15070	0.0844636	0.26085733	2.4258690	21	11 11.2	21.4
532414 2013 RH_{104}	17.3	X	200.33124	57.32522	2.09071	11.40166	0.2073521	0.20993355	2.8038073	21	5 26.5	22.2
532415 2013 RK_{104}	17.3	X	201.12458	221.65113	351.38347	10.43799	0.0396091	0.26840559	2.3801720	21	12 30.7	20.6
532416 2013 RJ_{105}	17.2	X	233.92710	4.18486	18.90298	5.23763	0.0837669	0.21254119	2.7808270	21	5 21.6	21.3
532417 2013 RM_{105}	17.2	X	230.68529	344.48901	76.49646	10.23650	0.1358383	0.21651628	2.7466860	21	7 2.3	21.4
532418 2013 RP_{105}	18.0	X	330.88847	303.95088	138.39240	7.19246	0.0874212	0.26748120	2.3856526	21	—	—
532419 2013 RR_{105}	16.9	X	315.60380	64.28035	217.55350	6.36297	0.0852433	0.21323093	2.7748270	21	4 23.1	20.5
532420 2013 RX_{105}	16.5	X	178.60626	151.84033	205.64490	8.65352	0.2149673	0.18165030	3.0877726	21	2 27.7	21.8
532421 2013 RQ_{106}	16.1	X	191.52057	151.07764	224.00757	21.22623	0.0495333	0.18445753	3.0563644	21	3 25.9	21.0
532422 2013 RY_{106}	18.1	X	2.26553	299.01760	131.28797	7.81115	0.0620998	0.27262357	2.3555579	21	—	—
532423 2013 RB_{107}	16.9	X	167.89831	339.90609	86.78970	10.24349	0.1570615	0.20079179	2.8882764	21	5 12.7	21.6
532424 2013 RD_{107}	17.4	X	208.00321	318.99724	93.53205	11.38561	0.1203195	0.21018067	2.8016090	21	5 31.7	21.8
532425 2013 RG_{107}	17.7	X	296.04302	27.21068	6.86357	9.70626	0.0825777	0.23772042	2.5808240	21	9 1.0	20.9
532426 2013 RM_{107}	17.8	X	234.02472	65.21333	12.70622	6.15069	0.2173676	0.22511708	2.6762730	21	7 21.8	22.2
532427 2013 RG_{108}	17.5	X	272.27467	140.52115	183.06863	3.99102	0.1005488	0.21111195	2.7933639	21	4 19.7	21.4
532428 2013 RS_{108}	17.9	X	118.34522	332.05230	313.72277	3.96958	0.2260997	0.27682902	2.3316408	21	12 29.7	21.9
532429 2013 RW_{108}	17.1	X	289.83253	267.99785	126.64873	11.45265	0.1368403	0.23462700	2.6034589	21	8 11.9	20.3
532430 2013 SL	18.0	X	182.84915	288.80485	15.48038	23.65813	0.2391930	0.30754337	2.1736943	21	—	—
532431 2013 SR_{8}	17.7	X	261.49552	154.10031	204.86361	4.34534	0.1257548	0.21982891	2.7190228	21	5 18.7	21.5
532432 2013 SQ_{14}	18.0	X	262.77231	62.85014	351.87460	5.81709	0.2599124	0.23090037	2.6313966	21	7 15.8	21.9
532433 2013 SJ_{15}	16.7	X	229.59719	176.89894	195.71804	3.49315	0.2135972	0.20961670	2.8066319	21	4 26.9	21.3
532434 2013 SV_{20}	17.0	X	279.35182	319.22918	50.59007	15.43140	0.3361322	0.22519250	2.6756754	21	5 23.8	21.2
532435 2013 SU_{23}	15.4	X	17.78167	201.30005	121.97773	9.24914	0.2227091	0.12462885	3.9693890	21	10 5.5	20.1
532436 2013 SE_{27}	17.5	X	252.55699	25.62698	23.40601	7.08282	0.2137111	0.22547208	2.6734632	21	7 2.4	21.7
532437 2013 ST_{27}	17.6	X	30.33809	74.32643	310.33570	5.91685	0.1568055	0.26535965	2.3983513	21	—	—
532438 2013 SP_{28}	17.3	X	267.48715	335.74390	73.87343	8.93932	0.2766309	0.22651475	2.6652527	21	7 11.2	21.3
532439 2013 SE_{29}	16.9	X	253.25531	41.75812	320.78106	7.03457	0.2396368	0.21552662	2.7550877	21	4 29.5	21.5
532440 2013 SM_{30}	17.5	X	258.46156	356.58253	353.80219	1.65166	0.1731743	0.21468488	2.7622845	21	4 28.2	21.6
532441 2013 SV_{30}	17.6	X	73.34642	318.62979	333.18481	6.51288	0.0910283	0.26414162	2.4057186	21	11 8.8	20.9
532442 2013 SE_{32}	17.2	X	211.66312	61.58790	4.06301	12.82860	0.1381373	0.21977781	2.7194442	21	6 17.9	21.7
532443 2013 SN_{32}	18.2	X	178.63312	128.37173	174.94811	4.35439	0.1887598	0.30243649	2.1980957	21	—	—
532444 2013 SJ_{33}	17.3	X	309.99604	289.32596	94.95013	6.20220	0.1566522	0.24058304	2.5603109	21	8 30.9	20.0
532445 2013 SL_{33}	17.1	X	268.41721	44.09022	353.69430	8.51130	0.1107053	0.23226487	2.6210806	21	7 22.2	20.7
532446 2013 SN_{35}	17.4	X	231.61708	203.47104	184.24417	5.01842	0.1611669	0.21562296	2.7542670	21	5 20.8	21.8
532447 2013 SF_{38}	16.9	X	315.63105	156.79153	150.81608	5.46834	0.1123029	0.22074204	2.7115192	21	5 25.4	20.3
532448 2013 SM_{38}	16.4	X	230.58556	210.57113	169.93346	10.57077	0.1518271	0.21180968	2.7872259	21	5 13.2	20.9
532449 2013 SQ_{38}	17.1	X	174.03181	290.61951	117.03561	3.22728	0.0523424	0.20146667	2.8818226	21	4 19.7	21.3
532450 2013 SZ_{39}	16.4	X	222.19614	103.86186	287.95893	13.23099	0.1691740	0.21483127	2.7610296	21	5 12.9	21.1
532451 2013 ST_{40}	18.1	X	159.20522	112.01024	164.36614	5.11032	0.1641591	0.28285691	2.2983960	21	—	—
532452 2013 SR_{41}	17.6	X	314.44725	321.88022	336.27603	3.78256	0.1508003	0.22206620	2.7007294	21	5 1.2	21.0
532453 2013 SH_{42}	17.7	X	324.95937	337.54729	19.28709	15.41946	0.1843910	0.23943412	2.5684948	21	8 21.4	20.5
532454 2013 SP_{45}	17.3	X	120.41762	244.01529	20.07011	13.80912	0.1406554	0.26581424	2.3956161	21	11 27.8	21.2
532455 2013 SH_{46}	17.1	X	252.76552	157.04593	154.43406	2.38093	0.0534523	0.20025337	2.8934512	21	3 19.1	21.1
532456 2013 SS_{46}	17.3	X	198.50230	7.98700	359.25930	10.04840	0.2155105	0.19921240	2.9035221	21	3 26.3	22.4
532457 2013 ST_{50}	18.4	X	28.30314	333.24588	14.91537	19.93362	0.0828758	0.38304181	1.8777536	21	12 22.2	20.8
532458 2013 SX_{52}	17.3	X	268.06731	247.66647	73.22701	3.00310	0.1766395	0.21018044	2.8016111	21	4 3.3	21.6
532459 2013 SE_{59}	18.1	X	50.66522	117.40225	228.96182	20.62270	0.0584003	0.38710599	1.8645876	21	—	—
532460 2013 SS_{59}	17.2	X	213.66476	215.19498	172.24130	6.02289	0.2265318	0.21175625	2.7876948	21	5 2.4	22.0
532461 2013 SZ_{60}	17.5	X	345.68486	3.51980	33.01814	4.94219	0.1698550	0.25638190	2.4540184	21	12 2.3	19.6
532462 2013 SE_{61}	17.8	X	340.96089	155.08501	271.74172	5.79336	0.0982987	0.27128816	2.3632817	21	—	—
532463 2013 ST_{61}	17.7	X	235.03688	84.14618	295.55824	1.18270	0.1060955	0.21648363	2.7469621	21	5 17.1	21.7
532464 2013 SR_{62}	17.2	X	194.70731	35.82245	5.45516	16.04805	0.2435686	0.20411447	2.8568461	21	4 27.8	22.4
532465 2013 SF_{63}	17.9	X	308.79574	284.68714	174.19524	9.14840	0.1669102	0.26346432	2.4098398	21	12 21.7	20.2
532466 2013 SY_{63}	17.5	X	199.38320	152.71721	224.76417	1.15494	0.1320723	0.20282202	2.8689698	21	4 8.4	22.0
532467 2013 SM_{66}	17.2	X	324.96535	303.14719	336.80589	5.51864	0.1799072	0.22123704	2.7074731	21	4 17.2	20.4
532468 2013 SV_{67}	16.4	X	233.30953	249.39455	182.67295	21.85616	0.0511224	0.23018124	2.6368743	21	7 25.9	20.5
532469 2013 SZ_{68}	17.4	X	288.94650	303.76447	14.73182	4.37920	0.0682398	0.21560156	2.7544493	21	5 6.7	21.0
532470 2013 SY_{70}	18.1	X	264.63293	269.74755	123.77517	2.97764	0.2142383	0.22707633	2.6608566	21	6 24.5	22.1
532471 2013 SS_{71}	17.2	X	263.26597	4.32501	56.05569	7.49702	0.3032837	0.22878716	2.6475751	21	7 18.3	21.3
532472 2013 ST_{73}	17.8	X	246.69245	248.44940	174.86120	6.40301	0.1794644	0.22960438	2.6412891	21	7 16.9	21.8
532473 2013 SF_{78}	17.8	X	298.33044	305.43462	54.17105	3.17184	0.2350555	0.22903390	2.6456733	21	6 18.6	21.0
532474 2013 SX_{78}	17.1	X	263.85993	241.79890	141.70288	13.82173	0.2775456	0.22404811	2.6847789	21	6 5.9	21.5
532475 2013 SQ_{81}	17.1	X	104.11321	133.85670	218.96821	24.01462	0.2373801	0.28067882	2.3102711	21	—	—
532476 2013 SU_{81}	16.8	X	176.62026	121.02426	330.72717	21.49927	0.0326468	0.22442898	2.6817406	21	6 16.9	21.0
532477 2013 SY_{82}	16.0	X	124.85334	121.09068	288.53634	15.33809	0.0854278	0.17874855	3.1211001	21	2 23.2	20.8
532478 2013 SF_{84}	17.5	X	233.13277	307.26474	78.17202	3.79533	0.1927081	0.21293059	2.7774357	21	5 16.9	21.9
532479 2013 SJ_{85}	17.5	X	234.11488	102.45951	296.13708	9.90368	0.2579163	0.21704144	2.7422535	21	5 27.9	22.3
532480 2013 SW_{85}	17.6	X	266.23888	93.11025	316.15153	10.78009	0.1165824	0.23141374	2.6275034	21	8 1.4	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532481 2013 SH_{101}	15.9	X	231.41658	148.80108	314.43870	12.69063	0.1131337	0.21187491	2.7866538	21	8 26.1	20.0
532482 2013 SP_{101}	17.7	X	243.34721	274.21125	192.18787	6.71146	0.1327482	0.23280914	2.6169938	21	9 13.9	21.3
532483 2013 SU_{101}	17.7	X	227.67846	259.14882	161.96372	5.50069	0.0972487	0.22305884	2.6927111	21	7 2.4	21.8
532484 2013 SB_{102}	14.5	X	312.50677	284.60864	38.68525	3.08146	0.0542076	0.08408992	5.1598859	21	6 21.2	21.2
532485 2013 TD_{1}	16.9	X	263.93327	73.24687	252.66048	7.74812	0.2035689	0.21246720	2.7814726	21	3 28.6	21.4
532486 2013 TA_{5}	19.1	X	62.29715	128.66216	213.57908	21.82618	0.1016056	0.39509158	1.8393775	21	—	—
532487 2013 TD_{5}	18.8	X	68.57259	297.22251	33.69761	24.78355	0.1869425	0.39702926	1.8333880	21	—	—
532488 2013 TM_{5}	16.5	X	256.40907	296.17744	78.42962	15.94329	0.3209476	0.21671071	2.7450429	21	5 16.1	21.2
532489 2013 TH_{10}	16.7	X	230.15910	292.85190	57.24765	2.91693	0.0788476	0.20279078	2.8692644	21	4 8.8	20.9
532490 2013 TG_{11}	16.6	X	180.41307	193.76280	205.99634	13.40084	0.1689795	0.19301617	2.9653338	21	4 19.8	21.4
532491 2013 TB_{13}	18.2	X	164.62595	285.53872	27.50338	6.86543	0.2085754	0.29758332	2.2219298	21	—	—
532492 2013 TW_{13}	17.3	X	230.69904	6.28390	45.78462	5.83452	0.1719307	0.21773303	2.7364436	21	6 17.5	21.6
532493 2013 TZ_{14}	17.8	X	345.47518	2.26741	35.78777	14.18728	0.2078404	0.25563087	2.4588225	21	12 6.1	20.0
532494 2013 TF_{15}	17.3	X	238.90077	272.98820	102.62664	3.55557	0.1036067	0.21339666	2.7733902	21	5 17.7	21.3
532495 2013 TR_{19}	18.2	X	227.92712	301.88375	159.52332	1.69875	0.1707205	0.23152134	2.6266892	21	8 17.5	22.1
532496 2013 TG_{22}	16.8	X	183.50252	64.61811	18.36185	14.37079	0.1655800	0.21117042	2.7928481	21	6 11.2	21.6
532497 2013 TU_{22}	16.9	X	258.34404	308.95628	21.85475	8.15790	0.2282945	0.20987652	2.8043151	21	3 31.8	21.4
532498 2013 TA_{25}	16.6	X	207.25194	77.99651	15.69515	8.43741	0.2260802	0.21521037	2.7577862	21	7 17.6	21.4
532499 2013 TA_{26}	17.0	X	174.34376	18.30232	5.88778	9.72515	0.0806700	0.19203155	2.9754615	21	3 23.3	21.5
532500 2013 TH_{26}	17.4	X	216.25255	37.23427	24.76014	5.22425	0.0338746	0.21883581	2.7272427	21	6 25.9	21.2
532501 2013 TD_{27}	17.3	X	210.53660	35.75550	342.80692	1.32557	0.0821137	0.20325937	2.8648530	21	4 21.5	21.6
532502 2013 TU_{28}	17.5	X	301.52065	213.08961	171.37232	12.21059	0.2702330	0.23463735	2.6033823	21	7 21.5	20.7
532503 2013 TA_{30}	18.1	X	28.76977	116.29441	205.38075	23.15674	0.1090504	0.37157200	1.9161995	21	11 15.9	20.0
532504 2013 TX_{32}	17.2	X	220.36898	41.86876	25.56246	17.33117	0.1728175	0.21537595	2.7563726	21	6 27.1	21.9
532505 2013 TD_{35}	16.0	X	189.41334	7.74902	15.22819	18.19294	0.2509755	0.19221529	2.9735649	21	4 7.6	21.1
532506 2013 TG_{35}	17.4	X	199.57290	194.86204	263.03084	7.34775	0.1920092	0.21312067	2.7757840	21	7 14.6	22.1
532507 2013 TM_{37}	17.1	X	226.05107	119.73208	251.49328	6.93198	0.2281138	0.20493216	2.8492418	21	4 19.7	22.0
532508 2013 TR_{38}	16.3	X	72.56338	217.35084	253.56279	9.76261	0.0901181	0.17430206	3.1739569	21	3 8.1	20.7
532509 2013 TT_{38}	16.1	X	107.90002	176.28153	248.67446	10.80132	0.1098892	0.17209803	3.2009983	21	2 27.9	20.9
532510 2013 TV_{40}	17.0	X	257.47555	319.34217	31.06384	5.16252	0.1240467	0.20901352	2.8120290	21	5 2.9	21.2
532511 2013 TY_{40}	17.6	X	225.97115	213.58857	215.05081	4.77248	0.1654848	0.21837443	2.7310827	21	7 4.2	22.0
532512 2013 TP_{42}	17.1	X	245.97607	51.40006	0.97889	13.07918	0.3587376	0.21960273	2.7208895	21	6 16.1	22.1
532513 2013 TL_{43}	17.1	X	229.98923	30.22625	12.56530	8.04255	0.2240280	0.21330338	2.7741987	21	5 31.4	21.8
532514 2013 TP_{43}	17.6	X	266.58925	21.40287	14.77055	4.75151	0.1962577	0.22411057	2.6842800	21	7 3.2	21.5
532515 2013 TC_{48}	17.3	X	264.31645	53.16820	344.73306	10.67461	0.2027749	0.22220885	2.6995734	21	7 3.0	21.4
532516 2013 TS_{49}	17.0	X	273.24351	290.83326	37.59092	3.41844	0.2249892	0.21189712	2.7864591	21	4 11.5	21.3
532517 2013 TE_{51}	15.5	X	144.77101	346.08499	42.11347	10.70884	0.1049728	0.17786317	3.1314492	21	3 5.8	20.4
532518 2013 TF_{53}	17.6	X	316.03609	18.39091	346.75886	6.77767	0.2288145	0.23461019	2.6035832	21	8 1.0	20.1
532519 2013 TC_{54}	16.8	X	169.96929	43.82981	353.12776	7.76740	0.1839228	0.19068482	2.9894546	21	4 6.1	21.7
532520 2013 TY_{56}	16.6	X	204.51560	228.81187	219.93907	13.77161	0.1812429	0.21676422	2.7445911	21	7 6.5	21.3
532521 2013 TR_{57}	17.6	X	228.04971	164.09969	255.28945	5.31481	0.2868477	0.21547231	2.7555507	21	6 16.9	22.3
532522 2013 TJ_{67}	17.6	X	303.21297	111.84980	199.68306	13.37671	0.1725122	0.22500764	2.6771408	21	5 2.2	21.1
532523 2013 TC_{68}	17.6	X	226.47843	111.16574	318.69820	12.80052	0.2110973	0.22725195	2.6594856	21	7 5.3	22.0
532524 2013 TU_{70}	17.3	X	226.28302	161.83422	170.98568	2.01782	0.0556521	0.19489722	2.9462231	21	3 15.6	21.7
532525 2013 TA_{71}	17.0	X	233.69766	141.07955	239.39514	6.91612	0.2320432	0.21281480	2.7784431	21	5 7.9	21.6
532526 2013 TJ_{71}	16.5	X	187.99711	222.77701	213.03586	14.87079	0.2218781	0.20604733	2.8389520	21	6 8.3	21.6
532527 2013 TT_{71}	17.4	X	249.27767	160.83711	186.80514	3.39055	0.1029760	0.21126829	2.7919856	21	4 23.5	21.6
532528 2013 TU_{71}	18.3	X	0.77023	38.42903	3.08189	6.85892	0.1178741	0.26549639	2.3975277	21	—	—
532529 2013 TB_{72}	17.4	X	287.52240	74.87924	254.46145	4.61948	0.1576296	0.21826803	2.7319702	21	5 5.7	21.3
532530 2013 TB_{73}	16.9	X	207.23897	1.20871	58.78739	5.27228	0.1542404	0.20883542	2.8136276	21	6 6.4	21.3
532531 2013 TA_{75}	17.6	X	92.11909	72.84718	257.21418	2.76305	0.1904623	0.27018137	2.3697313	21	—	—
532532 2013 TN_{76}	16.2	X	125.60430	31.71226	46.79168	17.13548	0.0849592	0.18247937	3.0784129	21	4 11.9	20.8
532533 2013 TY_{77}	17.3	X	182.52850	161.66160	212.67156	11.84144	0.1665521	0.18989174	2.9977725	21	3 19.9	22.3
532534 2013 TP_{78}	17.8	X	272.78598	216.01316	208.79258	6.36679	0.3014489	0.23242234	2.6198965	21	7 31.3	21.6
532535 2013 TW_{78}	16.9	X	240.67315	348.69078	42.91005	9.38369	0.1989770	0.21330087	2.7742204	21	5 29.3	21.3
532536 2013 TT_{82}	16.0	X	178.64614	28.96999	354.36124	10.99338	0.0761046	0.19018398	2.9947007	21	3 25.0	20.6
532537 2013 TD_{83}	14.2	X	12.00241	12.12724	241.11451	10.19798	0.0441075	0.08427360	5.1523855	21	6 15.6	20.8
532538 2013 TF_{90}	16.9	X	254.78993	132.40298	213.66749	16.17006	0.1459785	0.20572516	2.8419152	21	4 22.9	21.3
532539 2013 TG_{92}	17.5	X	221.18045	258.23258	206.80777	9.20107	0.3312149	0.21910570	2.7250027	21	7 31.9	22.6
532540 2013 TJ_{92}	16.3	X	156.92474	7.90851	32.43684	13.08145	0.1521001	0.18523117	3.0478482	21	4 2.2	21.2
532541 2013 TD_{95}	17.8	X	142.34074	243.61164	65.46114	3.19915	0.2459140	0.28401283	2.2921555	21	—	—
532542 2013 TN_{96}	17.6	X	271.93858	128.02360	299.66007	3.12963	0.2046585	0.23405409	2.6077056	21	8 19.1	21.0
532543 2013 TR_{96}	16.6	X	226.65212	68.74138	253.39227	13.76386	0.1537145	0.20164576	2.8801161	21	2 19.8	21.6
532544 2013 TA_{97}	17.1	X	327.71930	296.98985	345.73690	8.67842	0.1505921	0.22697158	2.6616752	21	4 28.2	20.3
532545 2013 TA_{99}	17.5	X	192.04396	290.89923	120.79180	3.05030	0.2222332	0.20011744	2.8947613	21	5 14.5	22.6
532546 2013 TN_{100}	17.8	X	85.47161	30.90779	317.00395	8.83084	0.2876254	0.27694928	2.3309657	21	—	—
532547 2013 TU_{100}	17.4	X	178.23445	194.92488	199.35589	6.20488	0.1284402	0.19466335	2.9485823	21	4 9.7	22.0
532548 2013 TO_{102}	17.4	X	253.84562	52.02841	27.48152	6.42377	0.2031516	0.22982962	2.6395631	21	8 16.2	21.2
532549 2013 TE_{105}	17.2	X	224.50050	0.67394	51.52922	9.02864	0.2179970	0.21631202	2.7484148	21	6 8.4	21.8
532550 2013 TA_{107}	17.4	X	294.46185	330.19337	37.84755	4.81451	0.2155353	0.22756638	2.6570353	21	6 28.2	20.7
532551 2013 TX_{109}	16.6	X	168.52038	128.57462	242.57761	7.71790	0.1424049	0.18202760	3.0835043	21	3 2.6	21.7
532552 2013 TC_{110}	17.1	X	267.07524	170.17099	236.38061	8.71767	0.0638341	0.22621473	2.6676087	21	8 2.6	20.9
532553 2013 TK_{110}	16.7	X	260.31268	340.86633	19.73181	14.32211	0.1861187	0.21189195	2.7865044	21	5 8.6	21.1
532554 2013 TY_{113}	17.3	X	167.98169	210.45735	31.83612	15.16282	0.0595687	0.25886603	2.4382937	21	12 21.9	21.0
532555 2013 TF_{114}	16.7	X	180.67234	330.89919	30.35810	7.85970	0.1711393	0.18063514	3.0993305	21	3 9.7	21.8
532556 2013 TO_{114}	17.4	X	257.97491	29.92699	20.79025	5.28592	0.1204304	0.22179870	2.7029005	21	7 23.7	21.3
532557 2013 TE_{116}	16.4	X	217.99861	73.77175	239.63887	10.27368	0.0674244	0.18093354	3.0959219	21	2 8.8	21.3
532558 2013 TD_{120}	17.3	X	276.45148	345.79599	25.49900	10.01359	0.2911222	0.22602808	2.6690771	21	5 27.6	21.4
532559 2013 TT_{121}	17.5	X	272.60638	204.68454	213.53044	5.53073	0.1124740	0.22886618	2.6469656	21	8 19.8	21.1
532560 2013 TV_{121}	16.7	X	214.34521	292.80175	44.74139	5.51871	0.2305713	0.18906246	3.0065321	21	3 7.9	21.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532561 2013 TO_{122}	16.8	X	233.02497	141.84791	276.34140	6.75284	0.1381745	0.22085347	2.7106070	21	6 30.9	20.9
532562 2013 TT_{126}	16.5	X	35.09930	17.61106	258.29212	13.46729	0.1650705	0.23715583	2.5849185	21	8 27.6	19.7
532563 2013 TR_{127}	17.1	X	214.27707	84.97291	316.93527	5.42637	0.1359947	0.21254776	2.7807697	21	5 21.0	21.6
532564 2013 TX_{130}	17.4	X	223.46548	93.07323	334.78243	11.07791	0.2639764	0.21335336	2.7737654	21	6 25.9	22.3
532565 2013 TF_{131}	16.8	X	209.71197	219.75839	151.60111	9.37600	0.1055533	0.20178699	2.8787720	21	4 14.7	21.4
532566 2013 TW_{133}	17.0	X	255.38539	316.99692	29.35157	4.77139	0.1498092	0.20956440	2.8070989	21	4 23.1	21.3
532567 2013 TV_{134}	16.0	X	172.80649	283.01262	99.42031	10.16008	0.1105999	0.18287033	3.0740238	21	3 26.8	20.9
532568 2013 TM_{136}	16.2	X	141.35808	134.46215	258.76405	16.75057	0.1196540	0.17804651	3.1292991	21	2 24.2	21.3
532569 2013 TP_{141}	17.2	X	199.38725	202.86611	175.40424	5.68639	0.0759955	0.19802281	2.9151388	21	4 11.4	21.6
532570 2013 TC_{143}	16.1	X	108.43465	220.66319	228.79790	15.78252	0.0900861	0.17819665	3.1275411	21	3 28.1	20.7
532571 2013 TM_{144}	17.5	X	346.58575	346.73197	71.44138	5.22706	0.1328611	0.25995400	2.4314857	21	—	—
532572 2013 TR_{144}	17.9	X	135.93804	213.18209	73.70494	5.07009	0.1339000	0.27465242	2.3439433	21	—	—
532573 2013 TH_{145}	16.3	X	171.39185	240.23080	145.52733	17.39690	0.2422819	0.18831773	3.0144534	21	4 2.8	21.7
532574 2013 TD_{147}	18.2	X	304.04419	130.19928	343.24239	5.82240	0.0685113	0.28106032	2.3081801	21	—	—
532575 2013 TG_{151}	17.3	X	240.29847	198.71686	151.02241	2.53602	0.1019901	0.20271467	2.8699826	21	4 17.5	21.5
532576 2013 TK_{161}	16.9	X	248.89580	354.83184	52.27491	12.35493	0.1697030	0.21779042	2.7359629	21	6 30.3	21.2
532577 2013 TR_{161}	18.5	X	188.25713	76.87077	176.17993	3.01778	0.0850203	0.28079270	2.3096465	21	—	—
532578 2013 TW_{161}	17.4	X	257.66096	217.08073	195.35603	3.23578	0.0957641	0.22356300	2.6886613	21	7 26.7	21.0
532579 2013 TY_{161}	17.5	X	341.29230	197.94461	163.70494	3.39151	0.1131219	0.24048649	2.5609962	21	9 27.3	20.0
532580 2013 TA_{162}	17.8	X	270.61503	236.84958	167.32465	6.70508	0.0911619	0.22903072	2.6456977	21	8 2.3	21.4
532581 2013 TB_{162}	17.6	X	234.76755	22.26834	45.06637	4.97441	0.0823854	0.22157422	2.7047257	21	7 22.1	21.5
532582 2013 TC_{162}	18.1	X	260.02476	247.72550	207.82332	3.91421	0.1030492	0.23962997	2.5670951	21	9 26.2	21.3
532583 2013 TE_{162}	16.9	X	186.63555	94.32517	34.75466	11.97421	0.1363367	0.22366404	2.6878515	21	8 19.7	21.3
532584 2013 TZ_{162}	16.3	X	140.82368	176.70773	228.99662	12.46733	0.2289514	0.17617848	3.1513803	21	3 25.1	21.7
532585 2013 TH_{163}	17.2	X	193.47343	200.84705	204.09246	9.26540	0.0469474	0.20153651	2.8811568	21	5 7.9	21.3
532586 2013 TO_{163}	16.8	X	208.24544	346.57413	46.33228	15.98452	0.1386356	0.20264455	2.8706446	21	5 5.9	21.5
532587 2013 TR_{163}	17.4	X	281.49225	117.64186	209.11485	8.76228	0.1381779	0.21130440	2.7916675	21	4 29.5	21.2
532588 2013 TT_{163}	17.0	X	163.42624	300.01502	228.19812	13.48846	0.0573359	0.22542017	2.6738736	21	9 3.9	21.1
532589 2013 TV_{163}	17.0	X	224.63739	210.69098	128.07976	1.72514	0.1261056	0.19092758	2.9869201	21	3 18.9	21.6
532590 2013 TG_{164}	16.5	X	238.93859	237.41009	238.57610	13.09427	0.0897782	0.23089759	2.6314177	21	9 22.7	20.5
532591 2013 TW_{164}	17.5	X	248.84596	125.16578	205.75594	3.63678	0.0823414	0.20079290	2.8882657	21	4 4.1	21.8
532592 2013 TC_{165}	17.4	X	3.34154	187.68872	122.76703	1.91581	0.0888920	0.22942506	2.6426652	21	8 20.7	20.4
532593 2013 TD_{165}	15.9	X	208.88959	254.43493	71.28134	6.11891	0.1253044	0.17611243	3.1521681	21	2 20.8	21.0
532594 2013 TE_{165}	17.4	X	291.02630	212.35029	144.04251	3.00769	0.2206489	0.22552823	2.6730194	21	6 6.7	20.8
532595 2013 TV_{165}	17.6	X	248.38038	266.66215	88.78505	3.66038	0.1546478	0.21073563	2.7966884	21	4 28.2	21.8
532596 2013 TY_{165}	17.5	X	234.70617	177.39975	177.71193	2.00976	0.0801916	0.20341016	2.8634369	21	4 19.4	21.7
532597 2013 TG_{166}	17.9	X	253.74859	282.54789	166.00089	5.83075	0.1773331	0.23487354	2.6016367	21	8 28.5	21.5
532598 2013 TP_{166}	17.0	X	227.97985	295.56929	29.93093	5.78203	0.1184517	0.19245253	2.9711208	21	3 8.0	21.6
532599 2013 TR_{166}	17.4	X	178.87427	137.00610	34.52706	11.67808	0.0286939	0.24048456	2.5610099	21	10 7.6	20.9
532600 2013 TT_{166}	17.6	X	267.44696	351.34911	48.29041	3.41980	0.1464349	0.22465781	2.6799192	21	7 16.1	21.2
532601 2013 TF_{167}	17.9	X	31.72517	342.53006	52.46707	4.23490	0.1053263	0.27028839	2.3691058	21	—	—
532602 2013 TO_{167}	17.0	X	158.49984	269.94825	184.72688	10.43866	0.0888977	0.20518217	2.8469268	21	6 2.4	21.5
532603 2013 TC_{168}	17.9	X	282.62179	9.65960	43.02076	2.05597	0.1170899	0.23394095	2.6085463	21	8 29.7	21.1
532604 2013 TD_{168}	17.6	X	242.16537	241.16625	192.88512	3.45644	0.1412775	0.22496875	2.6774492	21	7 30.5	21.6
532605 2013 TF_{168}	17.3	X	279.25493	162.71226	163.59647	2.14412	0.0374373	0.20506805	2.8479829	21	5 11.4	21.2
532606 2013 TK_{168}	17.5	X	17.46567	7.53725	56.08729	8.72183	0.0700160	0.27209643	2.3585992	21	—	—
532607 2013 TQ_{168}	17.5	X	306.88073	44.35755	321.71213	1.37349	0.1629092	0.22245273	2.6976000	21	7 24.3	20.7
532608 2013 TB_{169}	17.9	X	209.72367	355.34990	209.21501	8.86645	0.0820794	0.26583941	2.3954649	21	12 22.4	21.2
532609 2013 TK_{169}	17.9	X	291.01466	159.59552	261.87031	3.05670	0.1003157	0.23983732	2.5656153	21	9 24.4	20.9
532610 2013 TZ_{169}	16.7	X	125.37111	54.81706	26.42564	10.40883	0.0855910	0.18685189	3.0301983	21	4 10.0	21.0
532611 2013 TB_{170}	17.5	X	236.39917	174.12031	205.29699	1.41775	0.1136218	0.21137941	2.7910070	21	5 18.4	21.6
532612 2013 TE_{170}	17.5	X	82.25100	118.92168	225.30984	10.27161	0.0553983	0.26407164	2.4061436	21	—	—
532613 2013 TX_{170}	16.3	X	167.67366	165.81174	222.08004	10.30302	0.0952023	0.18051940	3.1006551	21	3 19.6	21.1
532614 2013 TE_{171}	17.9	X	288.89280	290.08737	148.01068	4.03383	0.1983629	0.24039996	2.5616107	21	10 2.8	20.7
532615 2013 TJ_{171}	14.0	X	250.00280	254.14184	129.07700	8.66853	0.0499090	0.08287168	5.2103306	21	6 18.4	21.0
532616 2013 TL_{171}	17.2	X	108.25559	294.03952	56.84556	24.07486	0.2400675	0.28656560	2.2785226	21	—	—
532617 2013 TO_{171}	16.8	X	8.06881	291.86223	29.80353	14.09895	0.1276677	0.23190976	2.6237555	21	9 23.3	19.8
532618 2013 TR_{171}	18.1	X	323.52974	215.59930	229.61289	5.49966	0.1001171	0.25989423	2.4318585	21	12 28.2	20.6
532619 2013 TW_{171}	16.6	X	240.36327	134.77750	177.76746	11.76192	0.1494941	0.18924633	3.0045844	21	2 27.6	21.4
532620 2013 UD	17.6	X	230.14770	260.57524	251.47706	22.55741	0.0707739	0.37737638	1.8965003	21	12 3.8	18.9
532621 2013 UJ	18.6	X	335.44893	169.85230	233.84411	19.55952	0.1478649	0.38099289	1.8844797	21	12 29.2	20.1
532622 2013 UR	19.1	X	86.00320	86.14949	215.59119	21.39730	0.0788961	0.38765937	1.8628127	21	12 29.0	21.7
532623 2013 UW_{2}	17.9	X	74.78991	102.26370	176.39120	23.11557	0.0619253	0.37345362	1.9097577	21	11 13.3	20.5
532624 2013 UL_{6}	16.4	X	195.97995	103.17767	244.59027	12.61146	0.1611802	0.18601998	3.0392259	21	2 25.6	21.6
532625 2013 UU_{6}	16.7	X	261.89799	165.58151	180.67753	13.84417	0.2015031	0.21002063	2.8030322	21	4 26.8	21.1
532626 2013 UD_{8}	16.6	X	151.86689	197.59547	207.96325	18.26295	0.2600128	0.18458529	3.0549539	21	4 6.8	21.8
532627 2013 UD_{9}	18.0	X	355.28486	162.69481	223.51197	21.43404	0.0566303	0.37901356	1.8910349	21	12 21.5	20.1
532628 2013 UB_{10}	17.0	X	154.70704	266.32923	155.07395	4.24775	0.1495946	0.18987765	2.9979208	21	4 23.1	21.8
532629 2013 UO_{11}	17.1	X	193.98665	238.98100	223.61202	9.72293	0.2164393	0.21292342	2.7774981	21	7 13.9	22.1
532630 2013 UJ_{12}	16.5	X	185.94968	354.16051	43.57109	16.90674	0.2486637	0.19268592	2.9687211	21	4 24.7	21.8
532631 2013 UY_{12}	17.6	X	330.71960	295.21551	59.97065	7.58095	0.1145203	0.23673630	2.5879714	21	9 1.3	20.5
532632 2013 UP_{13}	16.9	X	225.11359	73.74536	353.69263	12.69075	0.1972123	0.21443821	2.7644024	21	7 1.7	21.6
532633 2013 UA_{14}	16.2	X	154.19960	320.38510	57.90140	11.24122	0.1125757	0.17958761	3.1113710	21	3 4.8	21.1
532634 2013 UX_{15}	14.7	X	278.76039	161.70605	192.26923	2.47868	0.0889031	0.08327716	5.1934041	21	6 11.8	21.6
532635 2013 UF_{16}	17.3	X	165.72171	278.38951	134.06676	1.50154	0.2206444	0.18830890	3.0145476	21	4 24.9	22.5
532636 2013 UR_{16}	16.3	X	248.41088	286.55676	67.03858	15.75229	0.1703251	0.20223147	2.8745523	21	4 28.6	20.9
532637 2013 UU_{16}	16.6	X	203.44061	297.64673	63.09747	10.93297	0.1006131	0.18677323	3.0310491	21	3 30.4	21.4
532638 2013 UM_{18}	16.6	X	221.62197	220.26058	159.97331	2.54242	0.1101277	0.19497963	2.9453928	21	5 5.8	21.2
532639 2013 UN_{18}	17.1	X	214.83429	311.22295	229.71154	13.77184	0.1039195	0.24369654	2.5384570	21	11 21.9	20.8
532640 2013 UO_{18}	16.7	X	213.94781	41.36104	350.79752	1.17075	0.0692762	0.19892826	2.9062863	21	5 13.2	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532641 2013 UB_{19}	16.4	X	23.10372	263.49706	44.02322	9.09433	0.0898100	0.22893199	2.6464583	21	9 22.6	19.7
532642 2013 UD_{19}	17.4	X	64.37524	64.69220	216.89610	3.76210	0.0917616	0.23699174	2.5861115	21	10 13.2	20.6
532643 2013 UM_{19}	16.3	X	18.42973	53.98368	268.74050	13.88555	0.1895791	0.24028186	2.5624499	21	10 10.5	19.4
532644 2013 UR_{19}	17.2	X	212.64678	18.36725	67.05108	5.20922	0.0883412	0.22021190	2.7158693	21	7 19.1	21.2
532645 2013 UE_{20}	16.7	X	194.26951	163.89110	222.49924	7.74818	0.0783303	0.18816975	3.0160337	21	4 14.8	21.4
532646 2013 UP_{20}	17.5	X	160.31455	348.04671	212.47800	16.60023	0.0938270	0.24078145	2.5589043	21	10 18.2	21.3
532647 2013 UX_{20}	17.6	X	239.30199	267.63115	174.78813	2.89540	0.1404368	0.22199400	2.7013149	21	8 7.5	21.5
532648 2013 UA_{21}	16.3	X	169.85208	338.23274	74.30411	10.42519	0.1060826	0.18980300	2.9987068	21	4 26.7	21.0
532649 2013 UG_{21}	17.2	X	223.59104	222.85525	223.92124	11.06730	0.0703796	0.21785769	2.7353996	21	7 30.4	21.4
532650 2013 UM_{21}	17.5	X	358.77034	166.57668	256.64228	5.40889	0.0792680	0.25919126	2.4362536	21	—	—
532651 2013 UQ_{21}	16.6	X	155.82166	206.41323	209.83018	7.02713	0.2356268	0.18274481	3.0754312	21	4 22.1	21.8
532652 2013 UR_{21}	16.3	X	211.94318	289.79554	77.29007	12.81749	0.1009727	0.18731767	3.0251730	21	4 15.9	21.2
532653 2013 UT_{21}	16.8	X	233.60051	259.36592	62.09762	17.22776	0.1347717	0.18515901	3.0486401	21	3 15.9	21.9
532654 2013 UV_{21}	16.8	X	127.39109	67.34114	13.74683	7.37949	0.2047310	0.18099550	3.0952153	21	4 23.5	21.7
532655 2013 UY_{21}	16.4	X	183.13782	111.69877	273.50249	10.75561	0.1858288	0.18679929	3.0307671	21	3 31.3	21.7
532656 2013 UG_{22}	16.2	X	193.93090	118.04725	222.98559	21.31202	0.0638382	0.17235224	3.1978501	21	2 14.5	21.5
532657 2013 UP_{22}	17.9	X	65.53519	303.24551	68.38164	10.50790	0.1965573	0.27151879	2.3619432	21	—	—
532658 2013 VN	15.7	X	108.08234	181.09226	255.11388	7.96929	0.0459601	0.17838719	3.1253137	21	3 5.2	20.3
532659 2013 VT	16.9	X	237.98131	357.63786	52.29587	15.42745	0.1590990	0.21259415	2.7803652	21	6 22.4	21.4
532660 2013 VE_{2}	13.1	X	121.31575	260.05871	115.46862	7.05552	0.2321479	0.03716378	8.8931610	21	2 22.7	23.1
532661 2013 VN_{3}	16.5	X	163.02356	329.13945	101.76306	7.36177	0.2053890	0.19593233	2.9358372	21	5 15.1	21.5
532662 2013 VF_{4}	17.6	X	244.50130	250.50364	187.12076	8.07298	0.2053716	0.22457507	2.6805774	21	7 29.3	21.8
532663 2013 VD_{5}	17.8	X	244.81790	275.67247	236.75585	20.21238	0.0218504	0.38178076	1.8818862	21	—	—
532664 2013 VP_{5}	16.7	X	284.32575	328.24360	79.58662	19.54999	0.2473253	0.23214137	2.6220101	21	8 6.9	20.4
532665 2013 VH_{6}	16.6	X	172.52736	46.08215	355.92776	12.86638	0.1780830	0.19190964	2.9767213	21	4 12.0	21.6
532666 2013 VW_{9}	16.4	X	178.66817	231.34681	173.64296	21.46694	0.2751061	0.19150084	2.9809562	21	4 30.0	22.0
532667 2013 VW_{10}	16.9	X	230.42433	257.57990	89.11840	7.24998	0.2340079	0.19830003	2.9124213	21	3 30.9	22.0
532668 2013 VW_{11}	18.2	X	106.50997	276.78825	23.43886	20.62337	0.0783746	0.38989739	1.8556775	21	—	—
532669 2013 VC_{12}	18.6	X	19.14600	347.82870	60.34955	22.54131	0.0555531	0.39394689	1.8429389	21	—	—
532670 2013 VD_{12}	18.5	X	85.48912	254.24849	62.52126	24.06811	0.0885063	0.38662154	1.8661448	21	—	—
532671 2013 VS_{16}	16.6	X	169.22698	20.04274	18.48423	5.89034	0.2480951	0.18837360	3.0138574	21	4 11.6	21.8
532672 2013 VB_{18}	18.1	X	208.57047	315.97813	227.93599	24.01633	0.0741057	0.37692116	1.8980269	21	12 16.1	20.3
532673 2013 VK_{18}	16.3	X	197.75483	101.29490	259.96916	6.19064	0.1468798	0.18428341	3.0582892	21	3 17.5	21.3
532674 2013 VV_{19}	16.4	X	173.52935	60.49612	348.65058	7.51158	0.2240456	0.18983854	2.9983325	21	4 23.9	21.7
532675 2013 VN_{21}	17.1	X	254.12810	47.09881	4.55047	11.25537	0.1588902	0.22226076	2.6991531	21	7 16.5	21.2
532676 2013 VN_{22}	17.0	X	257.05498	46.68866	22.04799	12.86557	0.1778420	0.22758556	2.6568860	21	8 12.1	21.0
532677 2013 VA_{25}	17.5	X	308.02650	186.18545	246.94489	11.51032	0.1607241	0.24069006	2.5595519	21	11 2.8	20.0
532678 2013 VE_{25}	17.6	X	320.96378	321.45097	21.00023	2.36188	0.1007464	0.22178721	2.7029938	21	7 23.7	20.8
532679 2013 VG_{25}	17.4	X	306.22784	67.40572	297.29291	5.24161	0.0429628	0.22081355	2.7109337	21	8 6.4	20.8
532680 2013 VH_{25}	17.0	X	207.02793	130.79717	8.05105	13.21135	0.1869503	0.22520022	2.6756143	21	9 14.8	21.3
532681 2013 VR_{25}	16.4	X	190.12971	141.67523	211.45237	4.07039	0.1490376	0.17857325	3.1231424	21	3 3.7	21.5
532682 2013 VS_{25}	17.0	X	292.04949	145.36834	244.41360	4.81556	0.0537235	0.22419648	2.6835943	21	8 17.4	20.5
532683 2013 VT_{25}	15.9	X	242.26822	45.43725	245.94694	25.30645	0.1647233	0.17286589	3.1915122	21	1 28.5	21.5
532684 2013 VV_{25}	16.2	X	97.20475	251.26715	211.19219	8.00195	0.0637223	0.17658584	3.1465319	21	3 29.6	20.6
532685 2013 VW_{25}	15.9	X	280.84898	283.57711	91.64954	14.19393	0.2027002	0.21696786	2.7428735	21	6 21.5	19.7
532686 2013 VX_{25}	16.7	X	57.27467	69.47790	219.12272	8.65670	0.0958419	0.23671168	2.5881509	21	10 13.0	20.0
532687 2013 VY_{25}	16.5	X	118.92555	219.54502	278.11456	9.18678	0.2449643	0.17595230	3.1540803	21	6 28.5	21.6
532688 2013 VZ_{25}	17.5	X	244.93095	209.40046	215.68779	12.07844	0.1611725	0.21718541	2.7410416	21	7 17.3	21.8
532689 2013 VD_{26}	17.2	X	122.73630	316.87120	245.56414	10.36265	0.0244390	0.22119134	2.7078461	21	8 28.5	21.2
532690 2013 VG_{26}	17.8	X	268.50127	227.16501	179.03806	2.44985	0.0941629	0.22025975	2.7154759	21	8 1.9	21.5
532691 2013 VL_{26}	17.0	X	162.26983	282.84264	216.78660	8.71698	0.1038062	0.21172412	2.7879768	21	7 30.5	21.5
532692 2013 VN_{26}	16.9	X	5.65948	239.27799	69.07410	4.37220	0.0922733	0.22644999	2.6657608	21	8 23.5	20.0
532693 2013 VO_{26}	17.1	X	191.81925	25.79652	130.45723	14.29827	0.1271494	0.22288474	2.6941132	21	9 27.5	21.5
532694 2013 VP_{26}	17.3	X	216.80768	160.40562	285.54988	2.88015	0.0733548	0.21496980	2.7598432	21	7 24.6	21.4
532695 2013 VR_{26}	18.1	X	304.75419	296.57384	127.63898	1.37903	0.1665035	0.23796291	2.5790704	21	10 15.5	20.5
532696 2013 VU_{26}	17.2	X	205.45615	204.54067	199.94160	10.05086	0.1177221	0.19978572	2.8979647	21	5 19.4	21.8
532697 2013 VV_{26}	17.4	X	313.48455	338.90499	62.05819	16.15022	0.1328900	0.23680052	2.5875035	21	10 10.2	20.5
532698 2013 VW_{26}	17.1	X	212.88394	226.56951	168.57779	2.14324	0.0749620	0.19727596	2.9224916	21	5 16.6	21.4
532699 2013 VX_{26}	16.5	X	148.35757	80.67523	66.62686	3.12096	0.0329899	0.20858420	2.8158862	21	7 25.1	20.4
532700 2013 VC_{27}	17.0	X	245.16426	153.33720	275.92205	4.72605	0.0433896	0.22156923	2.7047663	21	8 9.1	20.7
532701 2013 VE_{27}	16.8	X	194.36626	340.41135	34.22455	10.75699	0.0911285	0.18705156	3.0280416	21	4 4.2	21.5
532702 2013 VH_{27}	16.2	X	270.03235	214.96105	75.38901	6.41210	0.1346985	0.18348825	3.0671184	21	3 8.7	20.9
532703 2013 VX_{27}	17.1	X	209.42778	106.35096	264.95570	4.68618	0.1351187	0.19101532	2.9860054	21	4 9.5	21.9
532704 2013 VA_{28}	16.6	X	107.15414	254.84386	244.65729	8.17736	0.0842769	0.19012137	2.9953582	21	5 30.8	20.8
532705 2013 VH_{28}	16.6	X	225.91751	277.46838	70.28099	19.99295	0.1012409	0.18473571	3.0532953	21	4 11.3	21.6
532706 2013 VL_{28}	18.1	X	277.84156	320.37804	196.36768	2.71066	0.0910961	0.26816960	2.3815682	21	—	—
532707 2013 VN_{28}	17.0	X	145.70025	270.83171	167.13146	3.42816	0.2413308	0.18609220	3.0384396	21	5 10.7	22.1
532708 2013 VR_{28}	16.8	X	181.61209	327.67340	95.03654	18.36442	0.2706842	0.18607905	3.0385828	21	5 23.8	22.4
532709 2013 VB_{30}	16.9	X	176.32031	194.08919	202.21707	1.08864	0.0783401	0.18533774	3.0466798	21	4 9.2	21.4
532710 2013 VG_{30}	16.8	X	237.31849	168.58206	241.54398	6.25994	0.1921641	0.21399242	2.7682403	21	6 20.1	21.2
532711 2013 VM_{30}	16.9	X	259.41400	180.34937	269.53004	13.94442	0.2186087	0.22307078	2.6926150	21	8 23.7	21.2
532712 2013 VV_{30}	16.2	X	82.37740	40.22472	81.55768	11.61404	0.0414535	0.17648392	3.1477432	21	4 7.9	20.7
532713 2013 VY_{30}	17.8	X	264.46820	261.25234	165.62467	5.64015	0.1587669	0.22958414	2.6414443	21	8 14.9	21.3
532714 2013 VB_{31}	17.3	X	18.17265	240.97053	94.64348	9.40753	0.1475625	0.24265229	2.5457346	21	11 2.6	20.3
532715 2013 VC_{31}	16.5	X	335.15689	288.72868	118.26901	14.03489	0.1621239	0.22824716	2.6517493	21	11 23.1	19.4
532716 2013 VD_{31}	17.3	X	273.90611	140.06097	255.95266	4.02301	0.1320978	0.22199226	2.7013291	21	7 20.3	20.9
532717 2013 VJ_{31}	16.9	X	213.15276	201.42908	181.80206	5.20987	0.1431804	0.19728013	2.9224504	21	4 29.9	21.5
532718 2013 VN_{31}	17.7	X	327.55985	49.16929	2.17715	2.76422	0.0877715	0.24341871	2.5403882	21	11 12.4	20.4
532719 2013 VQ_{31}	16.8	X	64.19121	177.51527	80.66072	7.45212	0.1520073	0.22867967	2.6484047	21	9 24.9	20.4
532720 2013 VS_{31}	17.0	X	240.83553	49.71691	77.02604	32.26422	0.2421125	0.23186628	2.6240835	21	10 15.6	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532721 2013 VW_{31}	16.5	X	297.27765	53.87593	222.82302	7.24260	0.0346391	0.18365523	3.0652591	21	4 1.1	20.8
532722 2013 VY_{31}	16.0	X	223.81229	101.48375	249.65491	15.28557	0.0983417	0.18466490	3.0540758	21	3 28.5	21.0
532723 2013 WT	18.1	X	174.27889	339.71960	244.04042	16.80227	0.0449865	0.37835800	1.8932186	21	12 31.3	20.2
532724 2013 WF_{2}	16.3	X	95.49973	88.89595	58.57835	26.41003	0.2801194	0.17301153	3.1897209	21	6 18.5	21.4
532725 2013 WC_{6}	17.0	X	246.99932	218.85004	208.49396	13.43259	0.1932656	0.21911680	2.7249106	21	7 18.6	21.4
532726 2013 WX_{6}	16.9	X	237.74044	257.64940	227.27017	11.60585	0.2156643	0.22833457	2.6510725	21	9 17.7	21.1
532727 2013 WH_{7}	16.2	X	158.47792	6.32673	47.70608	11.22792	0.1216848	0.18527294	3.0473901	21	4 17.4	20.9
532728 2013 WK_{10}	17.8	X	263.18471	50.85337	48.57435	6.45342	0.2952425	0.23189355	2.6238778	21	9 10.2	21.6
532729 2013 WM_{12}	16.7	X	285.81963	275.92157	71.45939	16.20020	0.3642975	0.21811199	2.7332731	21	5 4.7	21.1
532730 2013 WD_{14}	17.3	X	248.12893	296.97813	125.99646	5.95267	0.1137954	0.21628115	2.7486763	21	7 27.1	21.1
532731 2013 WR_{14}	16.4	X	109.66643	218.48125	232.79691	10.08943	0.0672173	0.17601781	3.1532977	21	3 29.8	21.0
532732 2013 WH_{15}	17.4	X	235.25497	244.27788	210.10740	5.01505	0.0647039	0.22176280	2.7031921	21	8 26.5	21.2
532733 2013 WH_{21}	16.1	X	203.83226	126.02470	211.91380	16.15431	0.1784457	0.18059032	3.0998433	21	2 22.5	21.6
532734 2013 WL_{22}	16.6	X	185.80179	227.46218	150.74458	9.49645	0.1825410	0.18545385	3.0454080	21	4 1.9	21.7
532735 2013 WE_{23}	16.8	X	196.54789	240.26265	142.24922	9.65697	0.0611845	0.18846277	3.0129066	21	4 17.0	21.4
532736 2013 WL_{23}	16.8	X	163.81486	300.49782	108.09977	10.90061	0.1421470	0.18570384	3.0426742	21	4 19.8	21.8
532737 2013 WA_{25}	18.6	X	248.22094	289.79531	223.93614	19.73769	0.0691901	0.37854716	1.8925879	21	—	—
532738 2013 WD_{25}	18.2	X	269.50127	224.89976	224.28118	21.62090	0.0722361	0.36411361	1.9422782	21	10 25.9	19.7
532739 2013 WE_{25}	18.0	X	274.43037	263.11716	260.26027	16.74799	0.0644340	0.38835520	1.8605869	21	—	—
532740 2013 WG_{26}	15.9	X	161.80781	137.89320	245.49179	15.49041	0.1172050	0.18011711	3.1052702	21	3 5.9	21.1
532741 2013 WH_{26}	18.6	X	349.18032	152.98141	248.80437	18.65093	0.1106888	0.38019781	1.8871060	21	—	—
532742 2013 WJ_{27}	16.2	X	149.04297	37.96327	22.53874	19.21009	0.1877461	0.18468976	3.0538017	21	4 17.1	21.1
532743 2013 WJ_{28}	17.4	X	256.74111	210.02844	245.16764	10.69732	0.1492030	0.23028313	2.6360965	21	9 8.7	21.3
532744 2013 WO_{28}	16.1	X	173.96676	154.10908	244.97167	8.68374	0.0956485	0.18507948	3.0495133	21	4 8.3	20.9
532745 2013 WP_{28}	14.4	X	293.30576	93.19161	250.57205	5.68046	0.1389446	0.08270271	5.2174249	21	6 10.4	21.1
532746 2013 WU_{30}	16.8	X	232.16595	347.14444	67.43433	14.95720	0.1818120	0.21037402	2.7998922	21	6 20.9	21.3
532747 2013 WD_{32}	18.5	X	180.08414	152.07106	65.47479	23.97625	0.0411076	0.37887575	1.8914935	21	12 31.9	20.7
532748 2013 WS_{32}	17.1	X	212.01448	24.00753	68.82410	9.96125	0.1275472	0.21357143	2.7718769	21	7 26.2	21.5
532749 2013 WE_{33}	17.7	X	149.67097	8.70035	75.80068	2.11892	0.1744739	0.18844550	3.0130907	21	5 16.9	22.4
532750 2013 WE_{35}	16.6	X	46.85402	129.26720	132.88546	12.56586	0.1228365	0.22886394	2.6469829	21	8 29.6	19.8
532751 2013 WU_{37}	16.7	X	359.86337	316.48091	61.53784	11.53649	0.1827067	0.24109613	2.5566771	21	11 30.4	19.3
532752 2013 WZ_{37}	17.0	X	279.76502	58.52882	3.35530	6.74951	0.2283252	0.22412090	2.6841975	21	8 20.6	20.5
532753 2013 WZ_{38}	15.9	X	205.83863	109.90110	268.29078	10.67667	0.1145119	0.18933710	3.0036240	21	4 12.9	20.9
532754 2013 WK_{41}	17.7	X	235.30941	2.94890	58.78741	5.08491	0.1924089	0.21209065	2.7847638	21	7 3.2	22.2
532755 2013 WF_{42}	17.5	X	217.46775	138.08681	246.01895	0.96292	0.0908400	0.19863416	2.9091543	21	5 6.1	21.7
532756 2013 WJ_{43}	17.1	X	231.46311	127.21683	266.31304	12.91278	0.2047819	0.20342662	2.8632824	21	5 23.8	21.9
532757 2013 WQ_{44}	18.3	X	219.34589	312.87757	223.82857	20.32463	0.0609518	0.37761720	1.8956938	21	12 23.9	20.4
532758 2013 WC_{45}	19.1	X	286.48292	107.41017	61.97339	20.78027	0.0802988	0.39834151	1.8293593	21	—	—
532759 2013 WL_{45}	18.5	X	57.26537	82.77091	222.83120	20.86431	0.0832432	0.36889264	1.9254669	21	11 27.5	20.6
532760 2013 WA_{46}	16.2	X	259.70612	323.41684	56.70312	26.48094	0.1368386	0.21497095	2.7598334	21	6 7.2	20.4
532761 2013 WJ_{47}	16.5	X	178.63589	176.24274	201.14262	7.96926	0.2486110	0.18531631	3.0469146	21	3 24.6	21.9
532762 2013 WT_{47}	17.3	X	275.27262	185.92793	217.13091	2.78038	0.1830656	0.22780147	2.6552069	21	7 23.9	21.0
532763 2013 WX_{48}	16.4	X	174.82863	55.34020	3.47887	11.32659	0.0876542	0.19260171	2.9695864	21	5 1.5	21.1
532764 2013 WD_{53}	16.4	X	197.59023	80.45039	298.46211	7.87874	0.1340387	0.18789108	3.0190150	21	4 5.9	21.5
532765 2013 WQ_{53}	16.4	X	155.56552	84.32029	324.55713	8.73878	0.1362920	0.18315054	3.0708876	21	4 3.2	21.4
532766 2013 WY_{53}	16.6	X	267.92100	32.66951	293.93832	11.21296	0.1761606	0.19945281	2.9011885	21	4 3.8	21.3
532767 2013 WB_{55}	16.5	X	99.49424	279.29905	232.96809	21.87966	0.4014566	0.17841301	3.1250121	21	7 8.9	22.1
532768 2013 WN_{55}	16.1	X	168.34697	340.39860	55.01394	15.41518	0.1030878	0.18272251	3.0756814	21	4 7.8	21.0
532769 2013 WW_{58}	17.4	X	227.60514	36.00140	76.34975	14.99714	0.2335035	0.22190123	2.7020678	21	8 31.9	22.0
532770 2013 WZ_{58}	16.6	X	240.68962	336.98112	75.86320	14.00974	0.1397982	0.21349855	2.7725077	21	7 1.9	20.9
532771 2013 WD_{59}	16.5	X	134.40179	20.33293	64.97356	18.97325	0.1939885	0.18369096	3.0648616	21	5 8.7	21.4
532772 2013 WL_{59}	16.2	X	149.16134	197.22098	237.04203	9.91115	0.1048435	0.18581706	3.0414382	21	4 27.8	20.8
532773 2013 WM_{59}	16.8	X	336.46165	312.54584	69.84622	26.33361	0.0969745	0.23782402	2.5800745	21	10 30.6	20.1
532774 2013 WA_{61}	17.2	X	329.01088	213.24228	203.56659	7.24307	0.2296176	0.24414567	2.5353429	21	11 27.1	19.0
532775 2013 WQ_{63}	16.0	X	157.70967	318.31497	60.19488	11.05077	0.2189435	0.17820704	3.1274195	21	3 15.8	21.4
532776 2013 WU_{63}	17.5	X	309.38904	224.59450	180.22407	14.01747	0.1522507	0.24016840	2.5632569	21	9 27.5	20.0
532777 2013 WL_{64}	16.7	X	262.65568	83.49402	285.99851	27.00046	0.4304095	0.21419550	2.7664904	21	4 25.3	22.3
532778 2013 WO_{66}	16.4	X	244.78652	337.05421	57.33648	9.04941	0.2244439	0.21253446	2.7808857	21	6 4.1	21.0
532779 2013 WD_{72}	18.3	X	261.46506	72.33924	45.60834	3.14363	0.1440509	0.23850759	2.5751424	21	10 23.1	21.3
532780 2013 WY_{72}	17.5	X	220.76064	157.80555	295.47154	3.79396	0.1314671	0.21701758	2.7424545	21	8 2.4	21.8
532781 2013 WQ_{74}	17.5	X	266.32852	269.77650	119.44597	4.30507	0.2022424	0.21658027	2.7461449	21	6 22.5	21.6
532782 2013 WW_{75}	16.5	X	141.26920	171.05387	236.37674	8.47236	0.0858071	0.17484813	3.1673451	21	3 14.8	21.4
532783 2013 WL_{78}	16.5	X	94.15933	222.73468	263.94373	14.85715	0.2080963	0.17858535	3.1230013	21	5 15.3	21.2
532784 2013 WG_{79}	16.5	X	183.39890	320.41384	70.32917	16.22193	0.2594383	0.18928084	3.0042192	21	4 19.8	22.0
532785 2013 WH_{80}	16.3	X	213.45802	59.68202	278.86614	7.98983	0.0637035	0.17862489	3.1225404	21	3 6.4	21.2
532786 2013 WZ_{80}	16.2	X	92.42006	235.75419	245.99616	16.38807	0.1328634	0.17974108	3.1095997	21	4 25.1	20.7
532787 2013 WO_{81}	16.9	X	143.77744	18.51426	79.75042	10.77199	0.1608052	0.18854028	3.0120808	21	5 27.9	21.6
532788 2013 WX_{82}	17.0	X	163.42962	138.36687	264.12730	3.03272	0.1763136	0.18245712	3.0786632	21	4 7.8	22.0
532789 2013 WZ_{82}	18.1	X	245.86128	41.67987	86.51611	4.94082	0.2311885	0.23308238	2.6149482	21	10 5.8	21.9
532790 2013 WB_{84}	16.2	X	112.97479	209.67824	244.64537	15.44964	0.0968696	0.17673025	3.1448175	21	4 9.5	20.9
532791 2013 WF_{86}	16.6	X	180.98734	311.68850	84.03923	10.12970	0.1387547	0.18452840	3.0555818	21	4 19.5	21.6
532792 2013 WK_{86}	16.9	X	261.44876	298.14642	70.74383	19.57959	0.3216769	0.21546796	2.7555878	21	5 13.6	21.6
532793 2013 WU_{89}	17.8	X	255.21287	143.21080	289.83498	1.53001	0.0551256	0.22556060	2.6727636	21	8 26.8	21.3
532794 2013 WR_{91}	16.7	X	133.27607	185.85031	258.48423	8.67650	0.0749292	0.18277233	3.0751225	21	4 18.6	21.3
532795 2013 WV_{91}	17.2	X	160.01216	112.35177	36.41312	3.43437	0.1265632	0.21071746	2.7968491	21	8 13.6	21.7
532796 2013 WV_{93}	17.3	X	120.59849	87.40603	35.99871	3.02077	0.2465383	0.18551471	3.0447419	21	6 12.4	22.3
532797 2013 WZ_{93}	17.3	X	222.85641	110.77059	30.95745	4.00256	0.0376077	0.23541318	2.5976594	21	10 19.3	20.8
532798 2013 WP_{96}	17.5	X	66.49964	294.59898	51.86903	7.70934	0.1241024	0.25939245	2.4349936	21	—	—
532799 2013 WX_{98}	16.7	X	126.70802	40.24892	67.22506	11.21119	0.0677727	0.18880368	3.0092787	21	5 12.8	21.1
532800 2013 WB_{103}	16.1	X	134.17932	180.91500	222.35528	10.02321	0.2194888	0.17646684	3.1479462	21	3 16.0	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532801 2013 WE_{103}	16.8	X	223.88485	186.59742	225.01367	8.98312	0.2170211	0.21002330	2.8030084	21	6 8.3	21.5
532802 2013 WP_{104}	16.2	X	116.09431	209.19787	239.08723	9.56095	0.0869544	0.17646524	3.1479652	21	4 5.7	20.9
532803 2013 WZ_{104}	17.2	X	156.09661	355.25855	98.57050	10.48982	0.2431501	0.19081870	2.9880562	21	6 6.8	22.3
532804 2013 WN_{107}	16.1	X	172.02557	245.13027	148.31985	11.63347	0.1458955	0.18191433	3.0847841	21	4 8.1	21.2
532805 2013 WB_{109}	15.5	X	199.48603	35.34524	276.50115	11.62283	0.1097303	0.17121539	3.2119900	21	1 23.4	20.7
532806 2013 WF_{109}	16.4	X	218.16702	274.45257	90.94417	11.88493	0.0725492	0.19084342	2.9877982	21	4 20.8	21.1
532807 2013 WV_{109}	17.7	X	213.19314	147.22580	315.27645	5.83159	0.2592388	0.21692939	2.7431978	21	7 29.9	22.4
532808 2013 WG_{110}	18.3	X	2.07468	144.49850	235.00424	20.74568	0.0870599	0.37472694	1.9054290	21	12 25.9	20.3
532809 2013 WA_{111}	17.2	X	312.26817	290.61044	86.00553	7.35252	0.1327089	0.22538934	2.6741174	21	8 26.0	20.3
532810 2013 WB_{111}	16.2	X	194.65910	162.76259	202.37919	9.44585	0.0883543	0.17707915	3.1406854	21	3 21.2	21.1
532811 2013 WD_{111}	16.2	X	128.96825	202.30798	273.76987	11.19911	0.0613578	0.18333919	3.0687807	21	5 23.6	20.8
532812 2013 WM_{111}	16.6	X	15.30610	235.07762	110.85317	7.82154	0.1801994	0.24196170	2.5505761	21	11 15.7	19.4
532813 2013 WN_{111}	16.9	X	198.80440	175.16339	274.93517	0.95174	0.0357100	0.20528124	2.8460107	21	7 11.2	20.9
532814 2013 WP_{111}	16.9	X	278.20340	112.65810	288.02378	5.04660	0.0320136	0.21666359	2.7454409	21	8 16.3	20.5
532815 2013 WA_{112}	16.2	X	157.59983	337.03564	78.71971	11.18887	0.1042357	0.18109809	3.0940463	21	4 20.0	21.1
532816 2013 WC_{112}	16.7	X	318.63102	41.88284	248.29678	11.07080	0.0143040	0.19140608	2.9819399	21	5 19.4	20.7
532817 2013 WF_{112}	17.5	X	281.44571	116.64818	341.96347	5.06403	0.1119336	0.23823538	2.5771036	21	10 28.7	20.6
532818 2013 WG_{112}	17.0	X	286.53404	94.16213	282.09812	12.54924	0.1107623	0.21546351	2.7556257	21	7 14.2	20.7
532819 2013 WT_{112}	16.7	X	122.38547	350.44468	128.62756	11.85914	0.0864112	0.19105971	2.9855428	21	5 26.2	21.2
532820 2013 WB_{113}	16.9	X	268.62569	136.53260	270.55508	10.16852	0.0740383	0.21666845	2.7453998	21	8 3.6	20.8
532821 2013 WD_{113}	16.2	X	65.31782	310.69926	288.00352	13.97059	0.1030165	0.20284889	2.8687165	21	8 12.9	20.2
532822 2013 WG_{113}	17.2	X	14.38860	263.95844	123.91585	4.54529	0.1639332	0.24667965	2.5179504	21	—	—
532823 2013 WJ_{113}	16.8	X	200.42786	78.17299	308.44592	4.87823	0.0992054	0.18791771	3.0187298	21	4 19.9	21.5
532824 2013 WT_{113}	17.7	X	299.77372	337.62938	95.92137	3.87644	0.0885000	0.23699055	2.5861201	21	10 29.7	20.7
532825 2013 WV_{113}	16.6	X	20.25720	283.18695	71.90150	15.74398	0.1620516	0.24323677	2.5416548	21	12 1.4	19.6
532826 2013 WB_{114}	17.4	X	268.92933	305.17137	131.75132	3.05727	0.0599945	0.22910294	2.6451417	21	9 20.9	20.9
532827 2013 WC_{114}	16.6	X	195.56734	142.64030	234.85643	8.93941	0.0732873	0.18125824	3.0922235	21	4 4.5	21.5
532828 2013 WD_{114}	16.8	X	226.82162	196.83843	286.79815	13.59905	0.0929286	0.22105572	2.7089535	21	9 14.0	21.0
532829 2013 XA	18.2	X	73.65101	68.40489	248.41402	17.48200	0.0650497	0.37661854	1.8990435	21	—	—
532830 2013 XE_{1}	16.4	X	153.00720	194.41825	242.47323	7.61301	0.0447322	0.18513548	3.0488983	21	4 30.6	20.8
532831 2013 XW_{1}	16.4	X	176.23388	8.28194	41.97944	20.27469	0.1172391	0.17724186	3.1387629	21	4 28.9	21.3
532832 2013 XX_{1}	16.7	X	196.44348	26.57731	9.28465	18.57715	0.1096565	0.17990678	3.1076900	21	4 24.4	21.8
532833 2013 XC_{6}	17.3	X	193.88933	33.81052	354.99503	4.82658	0.2283313	0.19267448	2.9688386	21	4 16.9	22.4
532834 2013 XZ_{6}	17.5	X	351.13841	57.29376	294.28378	16.99419	0.0801341	0.35612159	1.9712294	21	10 5.5	19.7
532835 2013 XO_{7}	17.2	X	322.11023	57.98936	352.89476	9.09464	0.2024624	0.23641535	2.5903131	21	10 23.9	19.5
532836 2013 XX_{7}	16.4	X	182.90301	320.25660	88.12413	10.80624	0.1148647	0.18310396	3.0714083	21	5 5.3	21.4
532837 2013 XP_{8}	17.3	X	238.51817	202.03253	255.91237	7.66918	0.2539335	0.21922504	2.7240136	21	8 11.9	21.9
532838 2013 XV_{9}	18.3	X	284.80351	185.77178	305.97401	19.54659	0.0746397	0.38302412	1.8778114	21	—	—
532839 2013 XY_{11}	16.2	X	48.73092	111.85903	68.26485	27.39426	0.1343602	0.18010446	3.1054157	21	5 15.7	20.2
532840 2013 XQ_{12}	18.0	X	15.08913	136.88390	243.60251	20.67981	0.0710608	0.37906663	1.8908584	21	—	—
532841 2013 XS_{12}	18.9	X	337.61639	163.41016	297.38103	9.62760	0.2398837	0.38505274	1.8712102	21	—	—
532842 2013 XB_{13}	16.5	X	321.47590	194.48843	214.93298	14.47203	0.0688464	0.23987565	2.5653420	21	10 31.5	19.5
532843 2013 XO_{13}	17.2	X	149.28045	189.05440	270.26597	3.24943	0.1739967	0.18958734	3.0009805	21	6 3.2	22.1
532844 2013 XC_{17}	16.2	X	135.04858	22.74795	48.62361	10.34273	0.0729768	0.17809802	3.1286956	21	4 10.6	20.8
532845 2013 XL_{17}	16.5	X	264.78893	55.24906	70.88899	22.68158	0.0415953	0.23548440	2.5971356	21	11 24.1	19.8
532846 2013 XT_{17}	16.4	X	177.48520	197.56597	184.34526	5.23104	0.1870695	0.17376965	3.1804368	21	3 29.1	21.6
532847 2013 XD_{18}	18.1	X	325.49017	133.22876	274.94662	19.73195	0.0889003	0.37265970	1.9124691	21	12 9.7	19.5
532848 2013 XG_{19}	16.7	X	281.77147	7.68107	73.16902	18.28839	0.1395659	0.22732727	2.6588981	21	10 12.2	20.3
532849 2013 XH_{20}	16.8	X	237.65720	14.01542	97.61543	26.68769	0.1090346	0.21994709	2.7180487	21	10 1.2	21.3
532850 2013 XX_{20}	16.5	X	168.89652	275.54010	155.53049	4.66589	0.1640612	0.19120295	2.9840516	21	5 18.4	21.4
532851 2013 XF_{21}	17.9	X	109.97691	342.57167	278.44756	17.61806	0.0406244	0.36749720	1.9303380	21	11 27.6	20.2
532852 2013 XX_{22}	16.0	X	79.18710	229.07211	259.19520	8.65234	0.0959597	0.17310764	3.1885402	21	4 10.3	20.4
532853 2013 XA_{24}	16.3	X	152.53576	191.19390	279.32034	16.62137	0.1638142	0.18760886	3.0220420	21	6 20.1	21.2
532854 2013 XK_{26}	18.6	X	259.18134	243.19192	269.97268	18.84666	0.0421816	0.37477394	1.9052697	21	—	—
532855 2013 XQ_{26}	16.6	X	148.46111	19.04045	87.57586	5.87391	0.1286416	0.18632356	3.0359238	21	6 8.9	21.3
532856 2013 XZ_{26}	17.0	X	341.34947	297.40925	108.68101	15.42467	0.0990520	0.23703185	2.5858198	21	12 1.5	20.1
532857 2013 XJ_{27}	17.3	X	314.50025	60.57751	329.00019	12.05362	0.0796156	0.22223382	2.6993712	21	9 15.4	20.6
532858 2013 XO_{27}	16.9	X	133.88525	149.80025	324.44480	5.02959	0.1118991	0.18923282	3.0047273	21	5 31.9	21.5
532859 2013 XP_{27}	16.4	X	124.70426	32.99684	93.42738	18.71431	0.2207803	0.18010119	3.1054533	21	6 18.3	21.4
532860 2013 XQ_{27}	16.8	X	168.64173	282.36945	265.48672	10.97994	0.0536636	0.21053685	2.7984484	21	10 4.1	21.1
532861 2013 XU_{27}	16.1	X	174.61271	285.18793	105.55494	18.22098	0.3168215	0.18024786	3.1037684	21	4 17.6	22.1
532862 2013 XX_{27}	16.8	X	182.48690	110.00352	289.81140	9.27831	0.2117091	0.17922648	3.1155491	21	4 19.1	22.3
532863 2013 XD_{28}	16.8	X	326.24251	38.09959	36.67937	15.02254	0.1639361	0.24347775	2.5399775	21	12 12.7	19.4
532864 2013 XE_{28}	16.8	X	233.73517	352.47872	32.19949	2.39458	0.0723669	0.19683465	2.9268582	21	5 25.9	21.2
532865 2013 XF_{28}	15.9	X	268.25488	218.47487	94.11084	16.11303	0.0717789	0.17589486	3.1547670	21	4 15.9	20.8
532866 2013 YY_{3}	16.2	X	112.86498	191.18730	256.47537	10.12593	0.0862255	0.17583219	3.1555165	21	3 30.5	20.9
532867 2013 YC_{8}	17.2	X	332.42773	327.12874	87.82808	3.76900	0.0763593	0.24358298	2.5392459	21	11 26.6	20.0
532868 2013 YT_{8}	17.9	X	307.10972	161.78936	270.08751	1.53043	0.1648305	0.23320159	2.6140569	21	10 29.1	20.5
532869 2013 YE_{9}	17.6	X	218.19598	346.85235	127.61130	3.53291	0.1466015	0.21212095	2.7844986	21	8 26.3	21.8
532870 2013 YP_{9}	17.6	X	217.97273	209.52500	188.46962	1.26797	0.3348671	0.19647855	2.9303936	21	5 13.9	23.1
532871 2013 YZ_{9}	16.9	X	244.07509	157.39050	279.39337	16.31546	0.1920219	0.21204446	2.7851682	21	7 27.4	21.3
532872 2013 YJ_{11}	16.5	X	128.54128	359.59750	134.30963	13.62768	0.2477884	0.18077407	3.0977423	21	7 2.6	21.8
532873 2013 YU_{13}	18.2	X	2.11251	78.61499	296.02731	16.90867	0.1153701	0.35933983	1.9594423	21	12 24.2	19.9
532874 2013 YZ_{13}	19.5	X	169.73608	235.52054	288.41401	31.21639	0.2617287	0.60102461	1.3906181	21	9 7.7	22.1
532875 2013 YJ_{15}	16.2	X	169.21719	157.18798	253.80425	10.67884	0.2222080	0.18544966	3.0454539	21	4 23.3	21.6
532876 2013 YL_{19}	16.8	X	5.60640	69.78182	271.83832	12.68884	0.1051108	0.23300845	2.6155013	21	10 2.3	20.2
532877 2013 YD_{20}	17.0	X	257.97472	2.96951	109.69605	15.20178	0.2002822	0.22419492	2.6836067	21	10 8.5	21.0
532878 2013 YK_{20}	16.0	X	120.72574	35.62459	91.35690	12.47256	0.0714182	0.18266050	3.0763775	21	5 31.3	20.5
532879 2013 YK_{21}	17.7	X	352.53787	270.83136	133.52277	24.93823	0.1496461	0.37269723	1.9123407	21	—	—
532880 2013 YV_{21}	16.5	X	202.86330	126.84223	247.53582	11.88815	0.1604345	0.19067750	2.9895312	21	4 5.1	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532881 2013 YH_{23}	16.6	X	193.59171	2.09804	56.89561	2.98551	0.1028218	0.19744690	2.9208045	21	5 24.6	21.2
532882 2013 YR_{23}	18.1	X	271.41139	18.39588	74.53004	7.24573	0.2635319	0.23273761	2.6175300	21	9 17.3	21.6
532883 2013 YX_{23}	16.7	X	278.12894	9.69397	71.71036	23.11859	0.0813519	0.23459306	2.6037100	21	10 19.7	20.4
532884 2013 YF_{24}	16.2	X	156.11012	129.04216	256.31163	6.93791	0.1369565	0.17527830	3.1621607	21	3 8.2	21.2
532885 2013 YP_{24}	16.6	X	174.00812	146.59508	250.67454	10.31446	0.1758094	0.18560848	3.0437163	21	4 8.5	21.7
532886 2013 YO_{25}	16.3	X	190.48874	105.94127	252.31128	8.24824	0.1450374	0.17866798	3.1220384	21	3 7.3	21.5
532887 2013 YR_{25}	16.5	X	267.78594	41.41015	258.76793	9.32300	0.0296295	0.18122950	3.0925505	21	3 23.0	21.1
532888 2013 YH_{27}	17.5	X	257.48189	10.28535	95.69363	5.92030	0.1227331	0.22419274	2.6836241	21	10 6.1	21.1
532889 2013 YH_{28}	16.7	X	205.86564	280.19424	104.21805	12.37921	0.2005901	0.18347401	3.0672772	21	4 28.4	22.1
532890 2013 YK_{30}	16.1	X	156.09531	129.98112	299.99119	25.11202	0.1991275	0.17380574	3.1799965	21	4 28.4	21.8
532891 2013 YW_{30}	16.3	X	147.34966	153.67824	272.45798	7.80505	0.0919093	0.18108146	3.0942357	21	4 12.9	21.1
532892 2013 YE_{32}	16.7	X	123.02936	332.83521	300.69563	11.90054	0.0529817	0.22820113	2.6521059	21	12 5.5	20.7
532893 2013 YR_{32}	17.4	X	255.34663	302.55877	142.39922	7.45511	0.2657581	0.21550986	2.7552306	21	8 13.5	21.7
532894 2013 YF_{33}	15.7	X	123.87025	182.67788	293.46972	11.31284	0.1054962	0.18015737	3.1048076	21	5 22.2	20.5
532895 2013 YP_{33}	16.2	X	161.95373	298.89011	128.22356	14.03845	0.1399472	0.17619638	3.1511669	21	5 10.7	21.5
532896 2013 YD_{34}	16.8	X	11.05566	234.88009	124.53068	22.56591	0.0144381	0.22506283	2.6767031	21	11 10.3	20.9
532897 2013 YF_{34}	16.5	X	217.89837	154.00128	272.57767	10.20948	0.1069148	0.19586384	2.9365216	21	6 28.2	20.9
532898 2013 YR_{34}	17.4	X	246.06308	252.16147	228.65873	10.59940	0.1947007	0.23073021	2.6326901	21	9 24.9	21.3
532899 2013 YC_{35}	16.5	X	146.46108	341.43453	74.65373	14.16278	0.1604887	0.17972889	3.1097403	21	4 15.5	21.6
532900 2013 YT_{35}	17.1	X	338.02408	62.60418	352.85451	8.16745	0.2192284	0.24193247	2.5507816	21	12 14.4	19.3
532901 2013 YJ_{39}	16.0	X	166.79975	168.95506	255.02417	15.31345	0.0586836	0.18624561	3.0367708	21	4 29.6	20.7
532902 2013 YV_{39}	18.9	X	106.88604	242.98591	113.26718	24.61971	0.1077417	0.39448402	1.8412656	21	—	—
532903 2013 YK_{41}	16.6	X	209.03928	300.32717	91.36337	11.43693	0.0560992	0.19094423	2.9867465	21	5 11.9	21.1
532904 2013 YK_{43}	16.4	X	179.97274	108.06093	297.59512	9.14563	0.1030904	0.17587351	3.1550223	21	4 21.9	21.5
532905 2013 YP_{43}	17.2	X	203.30789	5.73152	102.91980	6.57198	0.1808751	0.20318861	2.8655180	21	8 2.4	22.0
532906 2013 YE_{45}	17.2	X	202.13311	30.72637	111.18436	10.67250	0.2164107	0.21063633	2.7975673	21	9 12.8	22.0
532907 2013 YP_{48}	16.6	X	168.16184	286.58805	76.47012	6.09253	0.2234082	0.17408675	3.1765735	21	3 4.3	22.0
532908 2013 YA_{49}	16.2	X	148.61125	340.35127	112.91762	17.91544	0.1824536	0.18115957	3.0933462	21	5 31.3	21.5
532909 2013 YV_{50}	16.3	X	306.67721	300.46258	57.09308	13.23914	0.1799173	0.22779824	2.6552320	21	7 9.5	19.6
532910 2013 YO_{51}	16.8	X	233.41459	284.15753	103.42103	8.21535	0.3338773	0.20119845	2.8843832	21	5 13.8	22.1
532911 2013 YH_{52}	15.4	X	187.29490	63.60695	263.88129	25.41184	0.2314054	0.16937050	3.2352725	21	1 26.7	21.3
532912 2013 YS_{52}	18.2	X	254.60526	144.88256	331.35955	2.59702	0.1756618	0.23287030	2.6165356	21	10 4.7	21.6
532913 2013 YH_{53}	16.6	X	214.18111	296.03822	63.60166	3.23782	0.1077886	0.18234216	3.0799570	21	4 4.8	21.5
532914 2013 YU_{54}	16.1	X	113.11973	243.11924	277.15898	16.28817	0.2900265	0.18158681	3.0884922	21	7 21.9	21.4
532915 2013 YE_{55}	16.7	X	199.09864	139.37269	261.11106	6.59207	0.0751711	0.18174393	3.0867119	21	5 7.5	21.4
532916 2013 YG_{55}	16.8	X	201.62114	88.32888	79.65379	14.37802	0.0600044	0.22758802	2.6568668	21	10 29.5	20.8
532917 2013 YO_{55}	18.4	X	15.19652	296.57893	114.73443	23.96994	0.1132302	0.38107457	1.8842104	21	—	—
532918 2013 YX_{55}	16.1	X	147.53341	334.73243	109.03621	17.00139	0.1851155	0.17999528	3.1066713	21	5 20.2	21.4
532919 2013 YF_{59}	17.2	X	182.04157	78.80586	70.70158	8.12965	0.0912122	0.21116926	2.7928584	21	9 9.1	21.5
532920 2013 YX_{60}	16.7	X	98.39263	33.00458	92.88165	13.23331	0.0752014	0.17183199	3.2043015	21	5 7.2	21.4
532921 2013 YE_{64}	15.9	X	182.98299	78.17022	314.83207	24.59135	0.2873876	0.17640247	3.1487120	21	4 2.9	22.0
532922 2013 YN_{65}	16.4	X	150.91945	12.87748	73.08387	14.18639	0.1664322	0.18065534	3.0990995	21	5 20.9	21.4
532923 2013 YS_{69}	16.1	X	129.93478	359.17638	126.32882	22.82002	0.1037502	0.17762147	3.1342892	21	6 14.9	21.2
532924 2013 YT_{69}	16.9	X	201.95958	98.65453	314.44583	11.18064	0.2328027	0.18649875	3.0340223	21	5 20.8	22.4
532925 2013 YC_{73}	16.1	X	118.81328	352.28987	119.13355	20.28070	0.0858179	0.17496350	3.1659527	21	5 17.5	21.1
532926 2013 YN_{73}	16.8	X	145.13568	106.82764	350.97574	3.66666	0.1546305	0.17914733	3.1164667	21	5 26.9	21.7
532927 2013 YT_{73}	16.4	X	165.29658	92.12349	313.07417	8.60911	0.2617343	0.17480895	3.1678184	21	4 13.9	22.1
532928 2013 YE_{74}	18.0	X	358.70909	147.70434	298.31077	20.15019	0.0630590	0.38050480	1.8860909	21	—	—
532929 2013 YG_{74}	17.1	X	130.85640	65.56025	22.86710	3.20361	0.0981386	0.18136559	3.0910032	21	4 25.9	21.8
532930 2013 YQ_{76}	16.4	X	137.04732	6.20082	93.89776	11.23308	0.0938281	0.17813963	3.1282085	21	5 19.8	21.2
532931 2013 YY_{77}	16.2	X	168.70720	170.51273	268.61214	8.18904	0.2100224	0.18342832	3.0677864	21	5 27.9	21.4
532932 2013 YD_{78}	16.0	X	119.96256	177.42586	296.23036	13.77684	0.1626392	0.17456503	3.1707686	21	5 21.1	21.1
532933 2013 YY_{83}	17.2	X	167.37558	9.63916	137.49276	9.03882	0.1320950	0.20082061	2.8880001	21	8 17.4	21.7
532934 2013 YL_{88}	17.2	X	205.47039	72.77558	114.34512	13.88857	0.2010358	0.22319188	2.6916410	21	11 12.3	21.7
532935 2013 YV_{88}	18.1	X	31.84281	98.76622	302.45229	19.43345	0.0853141	0.38095244	1.8846131	21	—	—
532936 2013 YY_{90}	18.3	X	153.37550	1.56883	294.97424	19.10931	0.0731648	0.38151311	1.8827663	21	—	—
532937 2013 YM_{94}	17.3	X	158.18035	21.39672	41.77991	0.94262	0.2385900	0.17762571	3.1342394	21	5 2.4	22.7
532938 2013 YQ_{94}	17.2	X	237.75890	9.44135	100.10306	6.12157	0.1261652	0.21670994	2.7450494	21	9 15.1	21.2
532939 2013 YR_{94}	16.9	X	138.15116	127.42604	109.34588	15.25488	0.1249672	0.22159637	2.7045455	21	11 13.9	21.4
532940 2013 YC_{95}	16.3	X	165.24105	99.07358	306.26094	9.09730	0.1511600	0.17109067	3.2135508	21	4 9.2	21.6
532941 2013 YM_{95}	17.8	X	296.93945	121.59516	315.49706	1.29924	0.1852128	0.22979628	2.6398184	21	10 13.9	20.4
532942 2013 YP_{95}	17.3	X	273.20150	355.79455	111.02078	6.74059	0.0799492	0.22796508	2.6539363	21	11 4.4	20.7
532943 2013 YR_{95}	17.8	X	231.13142	10.41999	112.13474	9.75225	0.1568950	0.21717321	2.7411442	21	9 22.0	22.0
532944 2013 YZ_{95}	17.8	X	23.65504	45.53408	291.87649	16.76226	0.0842036	0.35500684	1.9753538	21	11 20.1	20.1
532945 2013 YS_{98}	16.8	X	130.28874	32.59515	87.51498	5.57152	0.1802424	0.18121565	3.0927080	21	6 11.9	21.7
532946 2013 YK_{99}	16.6	X	344.06707	308.37148	100.50380	15.63863	0.0879880	0.23731178	2.5837859	21	12 7.7	19.7
532947 2013 YV_{103}	16.0	X	173.44635	131.75513	237.47290	10.92865	0.0725794	0.17634342	3.1494149	21	2 28.8	21.0
532948 2013 YH_{106}	17.6	X	182.07961	252.96298	284.96921	2.85778	0.1618785	0.21789731	2.7350681	21	10 6.6	22.0
532949 2013 YF_{110}	16.7	X	255.32378	304.79486	139.43978	35.80638	0.2452198	0.21659400	2.7460289	21	8 15.2	20.7
532950 2013 YL_{110}	17.2	X	187.15465	240.25162	274.00954	6.40943	0.1659024	0.21500260	2.7595625	21	9 10.0	21.9
532951 2013 YU_{110}	17.0	X	260.35306	116.64196	278.43229	7.94171	0.1406737	0.21295213	2.7772484	21	7 1.4	21.0
532952 2013 YX_{110}	16.0	X	161.67149	131.44675	322.46819	9.54905	0.0625575	0.17969777	3.1100994	21	6 2.0	20.8
532953 2013 YC_{112}	16.9	X	93.90658	264.57403	257.31887	2.34026	0.1525552	0.18044843	3.1014681	21	6 22.1	21.4
532954 2013 YP_{113}	17.0	X	165.34083	213.10736	295.69962	18.88479	0.1329158	0.20110139	2.8853112	21	8 12.0	21.8
532955 2013 YP_{114}	18.6	X	27.75956	102.89695	297.26239	15.58702	0.0871679	0.38044369	1.8862929	21	—	—
532956 2013 YM_{117}	16.7	X	94.20182	88.00171	74.98812	2.58164	0.1189498	0.17642428	3.1484525	21	6 19.2	21.1
532957 2013 YD_{119}	17.3	X	355.01348	147.60443	232.53893	2.21898	0.2685599	0.24027867	2.5624726	21	12 6.8	19.3
532958 2013 YX_{119}	18.2	X	13.15218	55.88834	282.02982	17.87948	0.0779306	0.35489129	1.9757826	21	10 28.8	20.5
532959 2013 YU_{120}	17.8	X	228.09545	344.18504	117.71542	4.22157	0.1592135	0.21250085	2.7811789	21	8 19.6	22.0
532960 2013 YD_{122}	16.7	X	179.08843	269.28559	276.44750	10.30275	0.0683939	0.22292915	2.6937553	21	10 14.5	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
532961 2013 YM_{122}	17.2	X	156.31961	261.15907	162.03027	1.38203	0.1806801	0.17710468	3.1403835	21	4 28.4	22.2
532962 2013 YA_{123}	16.0	X	212.68712	227.71994	118.25133	12.73011	0.2157567	0.17204285	3.2016827	21	3 20.2	21.6
532963 2013 YF_{123}	16.2	X	126.59008	350.06021	129.08988	18.56050	0.1840110	0.17710802	3.1403441	21	6 10.7	21.4
532964 2013 YE_{125}	17.5	X	231.14495	61.49917	96.61720	3.48426	0.1211964	0.22575781	2.6712069	21	11 7.9	21.3
532965 2013 YF_{128}	16.8	X	161.81515	276.65849	240.07213	4.88494	0.2890635	0.19971363	2.8986620	21	8 23.3	22.2
532966 2013 YG_{131}	15.7	X	295.94652	196.12833	77.72734	15.35598	0.0241894	0.16857013	3.2455051	21	4 8.9	20.5
532967 2013 YN_{132}	17.3	X	122.03025	205.58596	45.39837	8.30268	0.1796897	0.22441011	2.6818909	21	11 12.8	21.5
532968 2013 YV_{133}	16.5	X	266.09024	321.64709	59.22849	11.04220	0.1069829	0.20168891	2.8797052	21	6 24.0	20.7
532969 2013 YS_{135}	16.1	X	134.66602	56.21309	77.01235	15.61798	0.0857655	0.18792916	3.0186072	21	6 23.5	20.7
532970 2013 YR_{136}	16.2	X	143.40041	131.63554	322.73113	14.79612	0.0903469	0.18002266	3.1063562	21	5 11.6	21.2
532971 2013 YV_{139}	16.3	X	86.50235	257.63286	314.98717	25.62173	0.1686988	0.18514110	3.0488367	21	8 15.9	20.8
532972 2013 YB_{143}	16.9	X	149.99885	159.44086	275.26081	8.12645	0.1437276	0.18250647	3.0781081	21	5 1.1	21.9
532973 2013 YS_{151}	16.7	X	161.76799	127.73558	314.92765	16.06479	0.1729170	0.18075917	3.0979126	21	5 22.5	22.1
532974 2013 YV_{151}	16.4	X	169.85204	162.59263	344.15248	13.33908	0.1964383	0.18930736	3.0039386	21	8 20.9	21.5
532975 2013 YC_{152}	15.8	X	149.02582	167.02160	295.24427	8.39690	0.0442602	0.17914501	3.1164937	21	5 28.1	20.4
532976 2013 YE_{152}	17.0	X	174.38517	279.61918	111.38340	11.05594	0.2801204	0.17725975	3.1385517	21	4 13.5	22.7
532977 2013 YG_{152}	16.8	X	145.19564	318.47937	128.32859	9.83988	0.1463811	0.17811105	3.1285430	21	5 16.9	21.9
532978 2013 YJ_{152}	16.8	X	308.20853	241.48985	133.63967	5.24371	0.0850531	0.21147167	2.7901952	21	8 19.2	20.2
532979 2013 YK_{152}	16.6	X	110.94308	170.32627	283.76244	4.31339	0.1313311	0.17257110	3.1951457	21	4 13.7	21.4
532980 2013 YL_{152}	17.5	X	210.30670	341.22653	149.87161	4.23676	0.0482850	0.21311628	2.7758221	21	9 16.9	21.4
532981 2013 YN_{152}	16.9	X	221.65227	257.46748	136.73679	2.70630	0.1796144	0.18435756	3.0574691	21	5 19.6	21.9
532982 2013 YP_{152}	17.1	X	144.55159	329.22936	147.74196	2.27915	0.1385309	0.18312311	3.0711942	21	6 18.5	21.9
532983 2013 YS_{152}	16.6	X	125.76333	115.19282	4.95885	3.88850	0.1063323	0.17994366	3.1072654	21	5 30.3	21.2
532984 2013 YA_{153}	16.3	X	139.53927	341.12715	101.30643	11.84546	0.1272561	0.17301665	3.1896580	21	5 6.1	21.4
532985 2013 YH_{153}	17.1	X	247.88129	147.18040	283.76718	8.09435	0.1085842	0.20911088	2.8111561	21	8 4.8	21.1
532986 2013 YJ_{153}	17.2	X	270.99642	32.33883	31.54042	3.13180	0.0662381	0.20966993	2.8061569	21	9 3.8	20.8
532987 2013 YK_{153}	16.8	X	2.58249	147.57538	209.06185	13.17965	0.1784177	0.23846808	2.5754268	21	11 4.8	19.2
532988 2013 YM_{153}	17.2	X	17.61279	247.29162	92.39828	3.86139	0.0344995	0.21643690	2.7473575	21	10 17.5	20.7
532989 2013 YN_{153}	17.1	X	162.18071	198.27302	30.01568	3.83345	0.1343375	0.22823129	2.6518722	21	11 20.9	21.4
532990 2013 YP_{153}	16.7	X	195.80585	107.45605	107.52136	12.19100	0.1000222	0.23150305	2.6268276	21	12 12.5	20.6
532991 2013 YT_{153}	15.9	X	140.13704	197.79837	268.66502	10.30878	0.0356833	0.17683854	3.1435336	21	5 22.4	20.5
532992 2013 YX_{153}	16.2	X	284.48005	192.67046	130.14249	11.04237	0.0972952	0.18325104	3.0697647	21	5 9.8	20.7
532993 2013 YZ_{153}	16.9	X	169.70810	259.92485	165.30906	4.63365	0.1569515	0.18144026	3.0901551	21	5 12.2	21.9
532994 2013 YB_{154}	16.7	X	133.81508	21.41485	100.87880	13.06824	0.2343300	0.18141522	3.0904394	21	6 22.1	21.9
532995 2013 YO_{154}	16.4	X	271.41934	242.51983	119.94495	12.50738	0.1064338	0.18818525	3.0158680	21	6 9.4	20.8
532996 2013 YS_{154}	16.4	X	207.30616	260.30558	125.94277	17.72368	0.1735511	0.18020236	3.1042908	21	5 4.2	21.8
532997 2013 YJ_{155}	16.3	X	59.97767	109.21701	213.27466	14.40724	0.1167109	0.24451831	2.5327664	21	12 5.4	19.9
532998 2014 AO	16.3	X	158.86283	355.63370	92.77801	11.83943	0.1090210	0.18222413	3.0812868	21	5 28.5	21.1
532999 2014 AW	16.5	X	116.86325	24.57386	90.65192	11.77783	0.1516013	0.17456990	3.1707097	21	5 22.7	21.3
533000 2014 AD_{4}	16.4	X	93.29400	55.15397	111.96681	17.46610	0.1624175	0.17847917	3.1242398	21	6 29.8	21.0
533001 2014 AJ_{7}	17.5	X	160.38526	46.89582	33.75355	0.87692	0.1772591	0.18129652	3.0917883	21	5 21.9	22.6
533002 2014 AV_{8}	17.0	X	154.56911	259.07826	304.25552	6.91161	0.1827292	0.21168679	2.7883045	21	10 10.5	21.8
533003 2014 AH_{13}	16.4	X	174.83685	300.25260	91.95612	11.70165	0.0852682	0.18367383	3.0650522	21	4 9.2	21.3
533004 2014 AJ_{13}	16.0	X	87.29558	267.80056	225.18299	10.51590	0.0489307	0.18466260	3.0541011	21	4 21.5	20.2
533005 2014 AZ_{15}	18.1	X	118.26393	357.20014	281.00903	17.52435	0.0629545	0.36786985	1.9290342	21	—	—
533006 2014 AP_{16}	18.4	X	28.30376	316.21081	82.09979	23.44141	0.1115124	0.38469536	1.8723689	21	—	—
533007 2014 AL_{19}	18.0	X	345.20667	84.94382	299.69398	17.47543	0.1088562	0.36073755	1.9543776	21	12 7.0	19.8
533008 2014 AM_{19}	16.5	X	172.73285	283.99332	138.03968	11.36131	0.1069077	0.17437891	3.1730244	21	5 12.4	21.6
533009 2014 AJ_{22}	17.5	X	242.33337	355.46707	110.94120	11.01214	0.2365218	0.21832415	2.7315021	21	9 3.6	21.8
533010 2014 AL_{22}	17.4	X	186.59523	315.00288	101.63118	4.33900	0.1381583	0.18322874	3.0700137	21	5 16.6	22.3
533011 2014 AY_{28}	21.8	X	96.60381	22.65412	169.58753	5.70871	0.2825431	0.57906462	1.4255574	21	9 6.8	22.7
533012 2014 AD_{29}	18.1	X	324.93528	139.08746	318.96605	19.16174	0.0845789	0.37786245	1.8948735	21	—	—
533013 2014 AG_{29}	18.3	X	68.41525	304.96456	83.56443	23.65629	0.1382365	0.39333646	1.8448451	21	—	—
533014 2014 AA_{32}	18.6	X	135.99560	278.10597	83.18676	20.09518	0.0495475	0.40713434	1.8029246	21	—	—
533015 2014 AD_{32}	18.2	X	148.15806	142.60774	131.80298	24.94496	0.0415067	0.37635499	1.8999300	21	—	—
533016 2014 AF_{32}	18.3	X	228.91401	63.61854	140.30935	24.43294	0.0340239	0.38569031	1.8691475	21	—	—
533017 2014 AL_{40}	18.3	X	31.75713	101.64625	296.88775	18.48964	0.1325307	0.37844626	1.8929242	21	—	—
533018 2014 AB_{42}	16.6	X	18.39207	54.97416	299.78486	10.38232	0.0436997	0.22392972	2.6857251	21	11 3.5	20.3
533019 2014 AK_{42}	17.0	X	187.06857	71.59169	127.55746	5.70987	0.1278371	0.22569537	2.6716995	21	11 11.9	21.2
533020 2014 AC_{44}	17.9	X	346.85125	100.65585	298.19353	17.03516	0.0967075	0.36465701	1.9403482	21	—	—
533021 2014 AZ_{47}	16.1	X	292.71385	15.85446	312.32678	9.06591	0.0356253	0.18283388	3.0744323	21	5 31.2	20.5
533022 2014 AD_{50}	16.2	X	77.09577	297.82601	292.51497	13.62675	0.1817278	0.18548949	3.0450179	21	8 26.5	20.7
533023 2014 AO_{51}	18.3	X	22.04975	257.30959	142.47902	23.96459	0.0691901	0.37733183	1.8966495	21	—	—
533024 2014 AP_{52}	17.3	X	247.63476	27.98127	89.96044	14.44015	0.2098625	0.22310012	2.6923789	21	10 2.0	21.5
533025 2014 AQ_{52}	16.5	X	158.21027	212.46116	236.03856	10.88765	0.2587762	0.18326348	3.0696258	21	6 2.1	21.9
533026 2014 AH_{53}	15.9	X	107.46865	159.43814	310.17106	28.90500	0.2628676	0.16854479	3.2458305	21	5 8.8	21.5
533027 2014 AY_{53}	16.5	X	119.39756	3.73528	117.45507	12.53091	0.1597319	0.17664022	3.1458860	21	6 2.8	21.5
533028 2014 AL_{55}	6.6	X	333.60685	75.45259	104.64570	4.32383	0.2428709	0.00344930	43.3826196	21	2 5.8	22.0
533029 2014 AX_{55}	18.7	X	33.42936	102.50694	304.43989	18.58129	0.1247335	0.38474268	1.8722154	21	—	—
533030 2014 AS_{56}	17.1	X	164.41315	91.40995	344.94196	4.80077	0.1315096	0.18083459	3.0970511	21	5 17.1	22.0
533031 2014 AY_{56}	16.6	X	226.41616	84.10813	309.31395	8.46326	0.0711131	0.18007945	3.1057032	21	5 28.7	21.3
533032 2014 AA_{57}	16.6	X	202.46327	88.70265	52.65659	9.62559	0.0455493	0.19146934	2.9812831	21	9 23.1	21.0
533033 2014 AB_{57}	16.0	X	84.34854	223.19151	27.21566	12.68166	0.0595154	0.19673393	2.9278571	21	9 23.7	20.2
533034 2014 AC_{57}	16.9	X	132.04641	39.91914	72.81968	2.10661	0.1412159	0.17727327	3.1383921	21	6 1.1	21.7
533035 2014 AD_{57}	17.1	X	217.97420	97.51466	308.53107	12.86957	0.2683615	0.19045087	2.9919023	21	5 23.6	22.6
533036 2014 AG_{57}	16.4	X	193.21731	268.48223	153.30104	13.22312	0.2694532	0.18134225	3.0912684	21	5 29.4	22.1
533037 2014 AX_{57}	16.9	X	148.62454	110.15498	87.39208	13.41040	0.1122174	0.21226409	2.7832466	21	10 7.8	21.5
533038 2014 AF_{58}	16.6	X	241.64065	121.48186	314.75885	7.67911	0.0366953	0.20823378	2.8190444	21	8 14.9	20.3
533039 2014 AM_{58}	16.8	X	119.59376	222.07698	328.78844	5.53565	0.1532560	0.19711720	2.9240605	21	8 25.7	21.2
533040 2014 AA_{59}	17.8	X	268.03974	316.07696	137.89532	2.81621	0.1278132	0.22506332	2.6766992	21	10 1.6	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
533041 2014 AD_{59}	16.3	X	100.78251	216.08971	348.17402	10.46490	0.0736912	0.17985408	3.1082971	21	8 15.2	20.8
533042 2014 AK_{59}	17.1	X	101.24692	122.74909	141.38225	4.74285	0.0595760	0.21474835	2.7617402	21	10 31.0	21.1
533043 2014 AN_{59}	17.2	X	176.65216	250.04022	308.00269	7.28443	0.0814846	0.21727330	2.7403023	21	10 27.3	21.4
533044 2014 AP_{59}	16.7	X	95.42703	193.19341	291.51856	3.41376	0.1355431	0.16339326	3.3137008	21	5 5.4	21.5
533045 2014 AY_{59}	16.6	X	331.72503	67.60948	330.82442	13.06338	0.1152636	0.22547079	2.6734733	21	10 22.2	19.9
533046 2014 AC_{60}	17.1	X	252.45621	115.58795	4.93282	16.93677	0.0744026	0.22551851	2.6730962	21	10 18.1	20.8
533047 2014 AH_{60}	17.0	X	23.76997	21.08251	257.92960	3.59371	0.0254872	0.21312362	2.7757584	21	8 1.7	20.7
533048 2014 AW_{60}	16.9	X	173.57117	347.61167	273.23032	3.30734	0.2299855	0.24114013	2.5563661	21	—	—
533049 2014 AB_{61}	16.1	X	72.65783	192.87513	345.62867	9.44187	0.0271279	0.17635484	3.1492789	21	5 26.6	20.6
533050 2014 AC_{61}	16.6	X	189.19115	239.53600	307.33917	15.13778	0.0999824	0.22419604	2.6835978	21	10 22.3	21.1
533051 2014 BD_{3}	18.5	X	247.16929	232.60522	342.67195	20.58765	0.0514950	0.39073899	1.8530119	21	—	—
533052 2014 BR_{9}	17.2	X	211.22714	133.18532	340.97324	9.36381	0.1499055	0.20922066	2.8101727	21	8 19.3	21.6
533053 2014 BC_{10}	16.9	X	285.12796	8.08045	93.82269	23.09264	0.1266183	0.23222680	2.6213670	21	11 16.2	20.4
533054 2014 BO_{11}	17.7	X	296.40261	302.14188	127.79800	13.86741	0.2488622	0.23015067	2.6371078	21	9 28.8	20.7
533055 2014 BM_{12}	16.2	X	170.29068	101.04925	332.88110	11.01409	0.1171627	0.17600762	3.1534194	21	5 17.7	21.3
533056 2014 BO_{14}	16.1	X	156.29569	8.71173	69.80329	11.65709	0.0794546	0.17932210	3.1144415	21	5 12.0	20.8
533057 2014 BE_{16}	17.0	X	140.25219	130.91462	327.25968	8.46140	0.1748024	0.17882053	3.1202625	21	5 23.0	22.2
533058 2014 BH_{16}	16.9	X	321.32224	311.40935	69.96951	6.56173	0.0503631	0.21702398	2.7424006	21	9 24.0	20.4
533059 2014 BN_{17}	17.0	X	328.25457	295.44035	102.31248	6.25287	0.1524866	0.22766336	2.6562806	21	10 24.9	19.7
533060 2014 BQ_{17}	17.2	X	155.68599	1.59947	97.03122	3.03932	0.2659323	0.18391540	3.0623676	21	6 12.4	22.6
533061 2014 BD_{19}	16.9	X	159.36944	67.57935	139.49539	9.95092	0.1682005	0.21220071	2.7838008	21	10 26.2	21.6
533062 2014 BC_{20}	16.9	X	271.08796	345.25647	106.04630	19.62437	0.1884870	0.22395400	2.6855310	21	10 1.5	20.8
533063 2014 BT_{20}	18.0	X	317.44821	180.01383	316.55330	20.19419	0.0579109	0.38229876	1.8801859	21	—	—
533064 2014 BP_{22}	16.7	X	162.03307	125.45622	309.95056	12.95024	0.2563775	0.17716385	3.1396843	21	5 17.4	22.4
533065 2014 BV_{23}	17.8	X	227.53727	57.30499	66.52157	16.28569	0.2586437	0.21602546	2.7508448	21	9 14.8	22.6
533066 2014 BD_{27}	16.1	X	173.19533	135.21625	282.98171	10.92187	0.0521882	0.17799075	3.1299526	21	4 28.8	20.9
533067 2014 BM_{28}	16.5	X	160.68671	320.38785	130.11058	10.15215	0.1179554	0.18373293	3.0643947	21	6 2.5	21.4
533068 2014 BJ_{29}	17.9	X	144.37717	182.26101	127.49772	22.20888	0.0718684	0.38111300	1.8840838	21	—	—
533069 2014 BQ_{31}	16.1	X	167.42269	159.51000	308.93843	14.71805	0.1406187	0.18474463	3.0531970	21	7 1.7	21.1
533070 2014 BQ_{32}	16.6	X	234.73006	286.20601	134.31955	12.97054	0.1151511	0.19983745	2.8974645	21	7 7.9	21.0
533071 2014 BA_{38}	18.3	X	80.70139	246.77146	145.30336	22.55836	0.1010083	0.38923053	1.8577964	21	—	—
533072 2014 BD_{41}	16.5	X	98.70698	288.66585	329.48644	12.40760	0.1167430	0.20884192	2.8135692	21	10 18.0	20.9
533073 2014 BL_{42}	16.6	X	172.56905	103.86225	299.60696	24.63377	0.2244608	0.17258684	3.1949514	21	4 7.5	22.5
533074 2014 BZ_{43}	17.6	X	186.07972	314.64316	145.74612	2.47624	0.1698127	0.19239465	2.9717165	21	7 7.1	22.4
533075 2014 BJ_{44}	16.0	X	177.06579	349.12169	59.12021	17.86315	0.1660299	0.17650752	3.1474625	21	5 1.3	21.2
533076 2014 BR_{45}	16.9	X	232.57325	134.20921	329.70353	9.49476	0.0823297	0.21321829	2.7749367	21	9 2.7	21.0
533077 2014 BZ_{46}	17.3	X	158.06911	293.21073	191.87284	1.24176	0.3238072	0.18747709	3.0234578	21	7 16.8	22.8
533078 2014 BD_{50}	17.5	X	167.38226	101.82862	92.79153	6.79604	0.0292687	0.22275171	2.6951856	21	10 21.6	21.4
533079 2014 BA_{54}	16.2	X	193.88067	257.29934	128.09039	13.33759	0.1529795	0.17116226	3.2126546	21	4 20.9	21.6
533080 2014 BF_{54}	17.0	X	227.52491	292.81870	126.27066	11.33736	0.1602414	0.19560679	2.9390937	21	6 25.2	21.7
533081 2014 BF_{58}	17.4	X	227.56309	311.34200	172.73839	4.15266	0.1482623	0.21253482	2.7808826	21	9 16.3	21.5
533082 2014 BB_{60}	18.7	X	21.28545	230.29429	150.72036	24.13250	0.1210215	0.36742022	1.9306076	21	—	—
533083 2014 BM_{60}	17.7	X	70.38828	67.73119	290.43786	17.30891	0.0950386	0.37313544	1.9108432	21	—	—
533084 2014 BB_{62}	15.9	X	118.45731	146.20848	324.03177	16.47411	0.0972042	0.17380414	3.1800160	21	5 2.7	20.9
533085 2014 BW_{64}	6.5	X	46.30046	101.42213	320.13718	15.74883	0.3391580	0.00320558	45.5545470	21	2 12.3	22.4
533086 2014 BE_{65}	16.3	X	208.74944	94.41347	327.09020	17.41590	0.0758559	0.18229302	3.0805105	21	6 14.6	21.3
533087 2014 BM_{65}	17.5	X	250.57861	330.25814	162.99188	9.44643	0.0840693	0.22008891	2.7168810	21	11 6.2	21.3
533088 2014 BW_{65}	16.9	X	24.97274	167.36475	138.17849	6.56633	0.0405181	0.20330145	2.8644576	21	9 11.5	20.7
533089 2014 BX_{65}	17.1	X	321.99244	104.85252	313.62561	5.14793	0.0321894	0.22237368	2.6982393	21	11 9.1	20.7
533090 2014 BY_{65}	16.8	X	158.60210	303.88119	162.90922	10.73107	0.2292757	0.18265871	3.0763976	21	6 23.2	22.3
533091 2014 BZ_{65}	16.4	X	199.61351	98.72563	334.89209	10.42264	0.1352825	0.18189339	3.0850208	21	6 17.6	21.5
533092 2014 BA_{66}	16.4	X	251.70573	71.94676	324.86504	10.63977	0.0667502	0.18482433	3.0523193	21	7 4.7	20.9
533093 2014 BB_{66}	16.1	X	203.05682	274.42427	132.88069	11.55268	0.1060032	0.17660921	3.1462542	21	5 23.8	21.2
533094 2014 BD_{66}	16.3	X	109.06849	45.34945	85.91229	10.65734	0.0662763	0.17099471	3.2147530	21	5 22.8	20.9
533095 2014 BP_{66}	16.7	X	98.62330	87.45801	134.77640	6.61372	0.0129778	0.20366081	2.8610870	21	8 27.1	20.5
533096 2014 BQ_{66}	16.6	X	149.47220	235.40764	314.75150	13.28359	0.1046285	0.20456260	2.8526723	21	9 15.6	21.2
533097 2014 BT_{66}	17.0	X	183.38632	200.13592	316.49023	3.36219	0.0098919	0.21197660	2.7857626	21	9 17.4	20.8
533098 2014 BV_{66}	17.4	X	213.19052	235.88158	278.29321	3.17750	0.1264782	0.21582473	2.7525502	21	10 9.6	21.6
533099 2014 BW_{66}	16.1	X	353.07395	308.70645	334.73563	9.41105	0.0635634	0.18014828	3.1049121	21	6 25.9	20.2
533100 2014 BC_{67}	17.8	X	257.01945	187.89950	260.57800	3.14235	0.1651291	0.21255705	2.7806887	21	8 31.4	21.8
533101 2014 BD_{67}	17.1	X	159.04053	114.06841	334.42380	13.10398	0.3336250	0.17961101	3.1111008	21	6 3.5	23.0
533102 2014 BA_{68}	16.8	X	193.03689	102.12788	319.67600	9.08457	0.1410133	0.18159721	3.0883744	21	5 26.1	21.9
533103 2014 BE_{68}	17.0	X	200.67019	341.96428	206.05851	14.20034	0.1254526	0.21958458	2.7210393	21	11 10.5	21.2
533104 2014 BM_{68}	17.7	X	268.85191	187.80079	257.94672	3.98274	0.1289627	0.21531565	2.7568871	21	9 17.1	21.4
533105 2014 BO_{68}	16.5	X	158.64664	280.40408	159.40752	11.79013	0.2261380	0.17600113	3.1534970	21	5 24.4	22.0
533106 2014 BR_{68}	16.1	X	136.02445	33.31516	71.25525	12.89562	0.0844600	0.17471346	3.1689726	21	5 21.9	20.8
533107 2014 BW_{68}	16.4	X	118.75624	56.32070	70.25627	9.30936	0.1893071	0.17487341	3.1670398	21	6 9.2	21.3
533108 2014 BY_{68}	16.6	X	96.66678	48.52264	149.56651	16.95451	0.0681338	0.18385177	3.0630742	21	7 29.1	21.1
533109 2014 BB_{69}	16.6	X	154.85583	189.52466	308.25109	4.61924	0.0864083	0.18484338	3.0521096	21	7 22.2	21.3
533110 2014 BD_{69}	17.3	X	175.26536	104.81597	355.65725	5.38348	0.2397851	0.18593537	3.0401479	21	6 28.9	22.6
533111 2014 BE_{69}	16.4	X	158.83270	163.41595	1.52795	10.70338	0.0934162	0.18622753	3.0369674	21	9 1.0	21.1
533112 2014 BX_{69}	16.4	X	305.40675	28.43218	321.80378	10.72578	0.0706544	0.19291593	2.9663609	21	7 14.6	20.4
533113 2014 BY_{69}	17.2	X	238.47212	54.42130	79.45505	14.04750	0.2137492	0.22336313	2.6902650	21	10 11.2	21.5
533114 2014 BA_{70}	16.9	X	291.49030	247.16521	126.29965	6.91628	0.0747204	0.19748025	2.9204757	21	7 23.4	20.8
533115 2014 CK_{1}	17.2	X	106.13153	299.15025	334.28377	8.22299	0.1341152	0.21985288	2.7188251	21	11 19.7	21.6
533116 2014 CQ_{5}	16.3	X	224.92484	287.88497	114.49182	11.36383	0.0621352	0.18445909	3.0563471	21	6 10.4	20.9
533117 2014 CU_{8}	17.0	X	174.23297	136.64088	328.79421	11.59135	0.0952200	0.18795404	3.0183408	21	7 3.9	21.8
533118 2014 CO_{9}	18.7	X	253.36229	249.82305	334.90986	18.77917	0.0690031	0.38957549	1.8566995	21	—	—
533119 2014 CX_{10}	16.6	X	170.57537	100.92669	348.62552	12.49596	0.1969893	0.18438325	3.0571852	21	6 9.8	22.0
533120 2014 CB_{12}	17.7	X	82.10927	323.68888	326.15874	17.07347	0.0770844	0.34873835	1.9989545	21	11 29.4	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
533121 2014 CO_{13}	17.7	X	336.29186	131.00398	292.99036	17.95710	0.0465458	0.36209374	1.9494946	21	—	—
533122 2014 CU_{16}	16.3	X	145.62861	155.65819	314.04788	17.09939	0.1912775	0.17761683	3.1343439	21	6 14.8	21.7
533123 2014 CV_{17}	16.5	X	74.22203	83.05101	166.52069	15.22728	0.1939552	0.18255086	3.0776092	21	9 24.7	20.9
533124 2014 CM_{18}	16.0	X	71.93358	231.80233	349.98158	16.21076	0.1373752	0.17564401	3.1577699	21	8 13.3	20.5
533125 2014 CS_{19}	18.0	X	355.13714	93.42792	346.37746	20.05065	0.1077035	0.37529869	1.9034933	21	—	—
533126 2014 CU_{23}	18.3	X	338.54721	72.46966	343.85586	19.03735	0.1019586	0.35915084	1.9601296	21	—	—
533127 2014 CF_{24}	16.1	X	11.67081	266.46856	356.42132	14.02738	0.0864545	0.17367047	3.1816474	21	6 28.1	20.4
533128 2014 CH_{24}	16.6	X	86.58175	174.68077	124.43978	18.36521	0.1612825	0.22628691	2.6670414	21	12 10.4	21.0
533129 2014 CJ_{24}	16.7	X	173.14164	260.93881	173.70353	3.36696	0.2396283	0.17552264	3.1592254	21	5 27.9	22.1
533130 2014 CM_{24}	16.7	X	161.26932	191.54529	354.50382	11.55415	0.0695988	0.20382436	2.8595563	21	9 26.7	20.9
533131 2014 CO_{24}	16.7	X	140.53935	164.53014	317.83355	13.24442	0.0961544	0.17597700	3.1537852	21	6 18.7	21.6
533132 2014 CV_{24}	16.5	X	146.78999	333.79583	169.58162	14.27198	0.1291389	0.18553272	3.0445449	21	7 21.1	21.5
533133 2014 CY_{24}	16.0	X	249.78460	83.77891	305.07756	10.09549	0.0856806	0.18464989	3.0542413	21	6 18.6	20.5
533134 2014 CZ_{24}	16.7	X	61.18695	69.00688	144.09381	1.60928	0.0973047	0.17421419	3.1750242	21	7 7.1	20.8
533135 2014 CU_{25}	16.5	X	328.76731	17.01847	4.35497	7.06464	0.0607413	0.20051670	2.8909174	21	9 28.6	20.1
533136 2014 CX_{25}	16.9	X	165.03015	143.72952	345.97523	4.62462	0.1512043	0.18668128	3.0320443	21	7 25.2	21.8
533137 2014 CB_{26}	17.4	X	228.56120	11.62589	127.41797	4.78478	0.0400748	0.21598683	2.7511728	21	10 22.1	21.3
533138 2014 CC_{26}	16.5	X	93.79132	60.51967	154.34682	8.25974	0.1473104	0.18728390	3.0255367	21	8 27.5	20.9
533139 2014 CK_{26}	16.4	X	220.94882	272.90415	139.80028	9.93480	0.1161852	0.18465417	3.0541941	21	6 14.7	21.3
533140 2014 CO_{26}	17.2	X	231.20085	236.14434	279.02457	3.94228	0.0945515	0.22048584	2.7136193	21	11 4.6	21.0
533141 2014 CU_{26}	16.9	X	165.95467	169.15341	314.73559	10.03076	0.2007341	0.18669246	3.0319232	21	7 19.9	22.0
533142 2014 CY_{26}	16.4	X	84.92271	243.25761	22.66481	16.26835	0.1794749	0.20274118	2.8697324	21	10 23.6	20.7
533143 2014 CR_{27}	16.9	X	149.68979	312.93691	301.04049	7.65830	0.0910228	0.22435896	2.6822985	21	12 10.3	21.1
533144 2014 CU_{27}	16.6	X	82.56366	79.75248	148.40724	0.57970	0.1264450	0.18290485	3.0736370	21	8 28.3	20.9
533145 2014 DP	18.5	X	56.50133	270.69850	141.28275	23.76035	0.0988145	0.38694614	1.8651011	21	—	—
533146 2014 DD_{1}	17.4	X	172.19493	348.97408	128.20821	1.58873	0.2238203	0.19023048	2.9942127	21	7 15.9	22.4
533147 2014 DY_{2}	17.7	X	252.95820	220.81080	330.95586	17.77645	0.0662744	0.37702366	1.8976829	21	—	—
533148 2014 DK_{5}	16.5	X	98.48911	271.13657	294.93445	9.60468	0.0340167	0.18891251	3.0081229	21	8 5.6	20.7
533149 2014 DY_{7}	16.8	X	163.61169	231.49417	348.55257	11.79900	0.2149493	0.21128630	2.7918269	21	11 5.2	21.8
533150 2014 DM_{9}	17.1	X	322.61128	266.74306	163.35789	21.98416	0.1314769	0.22883771	2.6471852	21	12 1.1	20.5
533151 2014 DV_{9}	18.1	X	293.35785	76.80106	325.77256	17.95787	0.0648560	0.34214443	2.0245557	21	9 12.3	20.2
533152 2014 DE_{11}	18.0	X	217.26700	194.45377	34.82133	21.40291	0.0535472	0.37347385	1.9096887	21	—	—
533153 2014 DP_{12}	16.6	X	136.56645	132.00544	355.61350	11.61303	0.2932854	0.17747415	3.1360236	21	7 5.8	22.2
533154 2014 DQ_{12}	16.0	X	148.18792	119.47212	349.83887	26.94453	0.2095779	0.17490127	3.1667035	21	6 16.4	21.8
533155 2014 DL_{16}	17.2	X	139.88932	38.68597	112.38196	2.63256	0.1987634	0.18212084	3.0824518	21	7 29.8	22.3
533156 2014 DR_{16}	16.4	X	94.78124	199.43949	355.29513	28.28997	0.1022979	0.17996425	3.1070284	21	8 10.5	21.3
533157 2014 DR_{17}	15.8	X	126.50408	294.11732	163.56341	27.56082	0.2727048	0.17331646	3.1859786	21	5 24.9	21.6
533158 2014 DP_{19}	16.0	X	63.79946	254.85742	341.38656	15.39738	0.1731588	0.17981460	3.1087521	21	8 23.7	20.3
533159 2014 DZ_{21}	18.4	X	40.51345	215.74927	171.58989	22.81896	0.0888495	0.37339105	1.9099710	21	—	—
533160 2014 DE_{24}	17.4	X	261.53076	124.42765	343.88303	8.64518	0.0776240	0.21788073	2.7352068	21	10 13.9	21.1
533161 2014 DV_{28}	17.1	X	168.15475	46.16146	150.93607	11.80512	0.1609947	0.21119800	2.7926050	21	10 21.9	21.8
533162 2014 DW_{30}	16.4	X	146.85675	291.01279	168.76971	16.10818	0.1066803	0.17231243	3.1983426	21	5 31.1	21.6
533163 2014 DE_{31}	16.7	X	164.30224	250.20070	337.69665	11.51580	0.1617430	0.21451506	2.7637422	21	11 16.9	21.5
533164 2014 DG_{42}	16.8	X	135.31591	177.66300	359.92287	11.78188	0.0667739	0.18960423	3.0008021	21	8 22.4	21.3
533165 2014 DP_{45}	16.8	X	153.05151	31.21070	145.78365	12.11761	0.1544459	0.19632657	2.9319057	21	9 11.1	21.6
533166 2014 DL_{49}	16.5	X	120.58587	146.82041	9.15475	9.96032	0.0628461	0.17420548	3.1751300	21	7 5.9	21.3
533167 2014 DR_{49}	17.2	X	164.44275	61.11643	67.67408	3.04910	0.1730367	0.18400103	3.0614174	21	7 23.5	22.3
533168 2014 DV_{49}	17.4	X	189.89691	53.61503	142.44356	6.31075	0.1100362	0.21289893	2.7777110	21	11 10.8	21.7
533169 2014 DW_{49}	17.0	X	113.82626	170.39114	40.09394	5.32398	0.0361279	0.19018968	2.9946409	21	9 3.8	21.3
533170 2014 DQ_{52}	17.1	X	148.22764	101.37005	11.51273	8.22904	0.2335610	0.17517196	3.1634404	21	6 22.3	22.6
533171 2014 DL_{53}	17.4	X	268.61895	332.94135	169.12721	5.19946	0.0853738	0.22494299	2.6776537	21	12 10.4	20.9
533172 2014 DV_{54}	16.8	X	130.26472	79.50507	85.39000	2.18974	0.1134700	0.17973467	3.1096736	21	8 1.0	21.6
533173 2014 DU_{55}	16.9	X	156.97597	228.33166	5.09477	8.86706	0.1020168	0.21137784	2.7910208	21	11 18.6	21.4
533174 2014 DO_{57}	16.8	X	76.28389	110.94873	134.98539	5.32554	0.0918806	0.18545432	3.0454028	21	9 8.6	21.0
533175 2014 DR_{60}	17.2	X	156.85649	81.80400	155.87175	9.94483	0.1083475	0.21249371	2.7812413	21	11 28.2	21.7
533176 2014 DP_{66}	16.7	X	74.71396	82.94039	155.00763	16.81187	0.1934199	0.17791702	3.1308172	21	9 10.2	21.2
533177 2014 DV_{67}	16.5	X	85.43978	54.11153	162.86074	16.61883	0.0412795	0.17882300	3.1202338	21	8 3.5	21.1
533178 2014 DZ_{73}	16.8	X	158.59562	70.76979	139.38300	12.77647	0.0887759	0.20329837	2.8644866	21	10 29.5	21.4
533179 2014 DK_{78}	15.9	X	126.87895	139.47390	23.23660	10.46603	0.0274362	0.17650119	3.1475378	21	7 19.3	20.6
533180 2014 DP_{80}	18.1	X	95.32269	24.51239	351.11562	20.35986	0.1426683	0.38559413	1.8694583	21	—	—
533181 2014 DM_{82}	15.8	X	108.40022	108.18545	351.54111	9.38024	0.1340097	0.15328897	3.4577648	21	4 18.5	20.9
533182 2014 DV_{83}	16.7	X	67.02943	147.35892	76.85653	2.51577	0.0965697	0.17707302	3.1407579	21	7 30.3	20.9
533183 2014 DN_{84}	16.9	X	150.30013	228.44740	1.42609	15.69787	0.1115265	0.20939295	2.8086310	21	11 4.4	21.5
533184 2014 DY_{84}	16.8	X	127.72811	188.52424	21.32943	4.43829	0.0531411	0.19562733	2.9388879	21	9 20.1	21.1
533185 2014 DB_{85}	17.1	X	52.40279	143.98711	153.21664	7.95505	0.0149455	0.20082213	2.8879854	21	10 4.7	21.0
533186 2014 DM_{89}	18.3	X	274.39284	109.68214	8.16422	18.95479	0.0810535	0.35100306	1.9903469	21	12 14.8	20.5
533187 2014 DC_{90}	16.3	X	143.48416	156.40995	20.99624	17.03925	0.1008266	0.18388046	3.0627555	21	9 5.7	21.2
533188 2014 DW_{105}	17.1	X	147.89714	185.44031	349.17273	11.03525	0.1479258	0.19138535	2.9821553	21	9 2.5	22.0
533189 2014 DA_{107}	17.4	X	186.74666	206.46331	347.31147	3.66915	0.0403131	0.21378263	2.7700510	21	11 6.1	21.3
533190 2014 DE_{109}	16.2	X	127.48975	152.54891	25.21689	19.07466	0.2000989	0.17821409	3.1273370	21	8 29.6	21.6
533191 2014 DQ_{110}	18.2	X	33.18340	68.90681	8.80905	20.91491	0.0758415	0.38465833	1.8724891	21	—	—
533192 2014 DW_{112}	18.4	X	24.55943	52.69304	338.61657	19.05693	0.1224889	0.36605354	1.9354100	21	—	—
533193 2014 DL_{115}	16.5	X	187.27564	21.25774	175.76793	22.14626	0.0287480	0.21249444	2.7812349	21	11 16.1	20.8
533194 2014 DX_{115}	16.5	X	156.57081	150.79252	355.90135	19.84566	0.1612935	0.18570444	3.0426677	21	8 13.9	21.7
533195 2014 DK_{126}	16.9	X	86.64419	12.63005	210.26435	4.50866	0.0870980	0.18520614	3.0481228	21	8 19.4	21.3
533196 2014 DC_{128}	17.2	X	211.27118	155.66400	359.87390	5.92512	0.0631378	0.20974710	2.8054685	21	10 15.2	21.2
533197 2014 DP_{129}	17.3	X	46.51586	182.46641	148.04576	6.76101	0.0392189	0.21247353	2.7814174	21	11 13.6	21.1
533198 2014 DZ_{131}	16.2	X	72.19641	264.76877	351.82962	11.12623	0.0573741	0.19126423	2.9834142	21	9 11.7	20.4
533199 2014 DF_{135}	16.4	X	174.97662	281.82018	157.88284	13.99402	0.1920988	0.17371217	3.1811383	21	6 5.2	22.0
533200 2014 DW_{135}	16.9	X	161.27447	128.20869	15.17346	8.03595	0.0982185	0.18576854	3.0419678	21	8 8.2	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
533201 2014 DW_{138}	16.9	X	75.06057	225.95558	5.74248	8.48681	0.0249379	0.18444333	3.0565213	21	8 11.7	21.2
533202 2014 DW_{139}	16.4	X	75.34137	223.59849	351.43729	9.78532	0.1057546	0.17600225	3.1534835	21	8 2.1	20.9
533203 2014 DK_{141}	16.5	X	124.65198	80.26147	66.41451	25.26050	0.2993718	0.17752935	3.1353734	21	7 19.3	22.2
533204 2014 DT_{141}	16.6	X	264.94647	344.06590	139.27978	15.55610	0.1770873	0.22199521	2.7013052	21	11 1.9	20.4
533205 2014 DD_{143}	6.1	X	13.84281	326.13169	199.21498	1.92792	0.0131652	0.00342209	43.6122482	21	3 19.6	22.4
533206 2014 DE_{143}	6.0	X	208.01903	171.39769	164.19396	6.49674	0.0194976	0.00349042	43.0411930	21	3 23.7	22.4
533207 2014 DJ_{143}	6.6	X	30.44524	110.44386	99.79792	6.93435	0.0180962	0.00420832	37.9953212	21	5 23.9	22.3
533208 2014 DQ_{143}	7.0	X	1.09687	189.63971	8.99801	26.06453	0.5420565	0.00144175	77.6025926	21	4 8.7	22.5
533209 2014 DR_{143}	5.7	X	140.35720	355.92362	39.90508	10.30837	0.2949684	0.00402086	39.1672797	21	4 4.7	22.6
533210 2014 DT_{143}	7.0	X	0.65968	8.46900	214.87577	25.44924	0.6493332	0.00094968	102.5066036	21	5 8.1	22.5
533211 2014 DU_{143}	6.7	X	236.85091	188.81099	144.58224	13.61523	0.1384186	0.00447759	36.4563268	21	4 11.5	22.7
533212 2014 DZ_{143}	18.2	X	312.83975	123.24737	51.31500	22.83005	0.0364317	0.37733588	1.8966360	21	—	—
533213 2014 DS_{144}	18.2	X	132.57833	336.96674	6.48664	20.98114	0.0738248	0.38124732	1.8836412	21	—	—
533214 2014 DE_{145}	17.1	X	185.81428	14.09009	180.66364	11.41095	0.1602007	0.21067146	2.7972562	21	11 2.1	21.7
533215 2014 DR_{145}	16.5	X	90.96108	193.52123	78.14904	17.99031	0.2062508	0.18287720	3.0739468	21	11 11.9	21.5
533216 2014 DL_{146}	16.4	X	92.44956	306.28227	256.46723	8.66769	0.1500809	0.17760914	3.1344344	21	8 7.5	21.1
533217 2014 DM_{146}	17.3	X	121.54060	273.27200	359.18285	8.52872	0.1241653	0.21272888	2.7791911	21	12 2.4	21.7
533218 2014 DN_{146}	16.1	X	219.81301	1.14879	42.61511	11.39725	0.1012694	0.17837856	3.1254145	21	5 31.9	21.0
533219 2014 DP_{146}	16.4	X	209.12743	248.47699	183.00479	16.37854	0.2129164	0.18198602	3.0839740	21	6 20.6	21.9
533220 2014 DT_{146}	16.7	X	7.91651	233.13894	82.24811	3.45994	0.0057331	0.18923122	3.0047444	21	8 28.5	20.8
533221 2014 DU_{146}	16.2	X	0.20518	249.77633	68.00722	10.97937	0.0834331	0.18220778	3.0814712	21	8 26.9	20.3
533222 2014 DW_{146}	16.3	X	287.90946	283.43763	89.47481	6.08843	0.0122568	0.18729290	3.0254397	21	7 27.5	20.4
533223 2014 DX_{146}	16.3	X	126.33653	330.19492	196.36138	7.53527	0.0613004	0.17897572	3.1184585	21	7 22.7	21.0
533224 2014 DZ_{146}	16.8	X	273.72841	284.13807	162.09740	7.86594	0.0695987	0.19819850	2.9134158	21	10 5.3	20.7
533225 2014 DB_{147}	16.8	X	159.87399	197.20351	49.78870	11.42274	0.2035858	0.21849993	2.7300369	21	12 7.6	21.5
533226 2014 DE_{147}	17.2	X	148.58539	66.32728	76.18894	8.01839	0.2606886	0.18386592	3.0629169	21	7 30.8	22.6
533227 2014 DG_{147}	16.9	X	31.02802	116.77996	251.80057	4.99177	0.0704353	0.21878197	2.7276901	21	12 15.0	20.3
533228 2014 DR_{147}	16.1	X	80.01544	228.10157	340.86914	8.47806	0.0587682	0.17875151	3.1210656	21	7 23.5	20.5
533229 2014 DS_{147}	16.2	X	307.51801	46.28636	343.76376	10.16118	0.0451001	0.19292001	2.9663191	21	9 9.4	20.1
533230 2014 DT_{147}	16.4	X	130.90027	316.72665	221.03705	4.61411	0.0943555	0.18267472	3.0762178	21	8 13.9	21.2
533231 2014 DU_{147}	16.5	X	246.91320	82.56119	349.47368	9.75268	0.0271591	0.18730812	3.0252759	21	8 19.3	20.7
533232 2014 DX_{147}	15.9	X	129.18067	45.10697	58.43049	6.19762	0.0585160	0.16006361	3.3594974	21	5 10.5	20.7
533233 2014 DZ_{147}	16.6	X	169.77849	143.00349	343.51835	5.41900	0.0958469	0.18337658	3.0683634	21	7 25.1	21.3
533234 2014 DA_{148}	16.4	X	87.07628	353.37876	245.13747	5.24922	0.1321261	0.18602014	3.0392242	21	9 13.9	20.9
533235 2014 DB_{148}	15.4	X	325.50935	299.16584	30.32260	21.48665	0.0697364	0.17008598	3.2261932	21	7 19.4	20.1
533236 2014 DE_{148}	16.5	X	200.91637	323.19081	155.77569	9.79742	0.1205989	0.17723810	3.1388073	21	8 13.4	21.5
533237 2014 DN_{148}	16.4	X	99.30331	242.74534	317.22958	5.68683	0.1271051	0.18328998	3.0693299	21	8 12.2	21.0
533238 2014 DR_{148}	17.4	X	154.65351	43.97567	163.13915	17.11274	0.2016843	0.19963371	2.8994356	21	10 21.1	22.5
533239 2014 DY_{148}	16.8	X	111.97748	85.99304	165.05644	6.10830	0.0128300	0.20115323	2.8848155	21	10 20.6	20.8
533240 2014 DZ_{148}	16.2	X	315.65334	343.98955	36.02380	12.27924	0.0487946	0.19332472	2.9621778	21	9 13.9	20.2
533241 2014 DA_{149}	16.5	X	218.18768	261.20349	198.56178	8.30234	0.0357550	0.18951398	3.0017548	21	8 13.4	21.0
533242 2014 DB_{149}	16.8	X	294.17892	265.74105	152.89177	2.67288	0.0538147	0.19695602	2.9256557	21	9 28.6	20.6
533243 2014 DC_{149}	17.0	X	230.64164	237.60979	268.61168	4.56616	0.0677416	0.22011075	2.7167013	21	10 26.8	20.8
533244 2014 DE_{149}	16.5	X	248.67712	80.53090	339.97075	10.24669	0.0151578	0.18356382	3.0662765	21	8 8.2	20.8
533245 2014 DF_{149}	16.7	X	195.15235	107.30446	358.92187	8.99259	0.0361748	0.18037673	3.1022899	21	7 30.0	21.3
533246 2014 DN_{149}	16.4	X	239.47717	279.73049	155.10570	2.22643	0.0799709	0.18461024	3.0546786	21	8 4.1	20.7
533247 2014 DO_{149}	16.8	X	135.95195	170.55082	67.01884	3.02924	0.0091191	0.20387362	2.8590957	21	11 1.2	20.8
533248 2014 DU_{150}	16.1	X	54.10474	245.21426	43.85032	10.87339	0.0929710	0.19707331	2.9244947	21	10 8.7	20.1
533249 2014 DK_{151}	17.3	X	158.10923	47.76049	205.95486	7.59945	0.1743836	0.21447755	2.7640644	21	12 15.3	21.9
533250 2014 DO_{153}	17.0	X	226.85487	112.27576	5.90346	17.26323	0.1285488	0.19897559	2.9058254	21	9 13.2	21.4
533251 2014 DR_{153}	17.1	X	164.46037	137.50922	44.08404	3.03183	0.0755485	0.19452451	2.9499851	21	9 26.2	21.5
533252 2014 DH_{154}	16.7	X	149.48363	25.49710	161.41720	10.97108	0.0580316	0.18822368	3.0154575	21	9 15.4	21.1
533253 2014 DM_{154}	16.9	X	260.35230	69.78827	38.61891	12.97599	0.0489495	0.20325553	2.8648890	21	10 19.9	20.8
533254 2014 DC_{155}	16.3	X	209.61320	357.38425	120.11856	13.04421	0.0948104	0.17897626	3.1184522	21	8 25.2	21.1
533255 2014 DE_{155}	16.6	X	154.47038	108.97300	87.17786	19.92974	0.0793757	0.18612423	3.0380909	21	10 12.7	21.6
533256 2014 DP_{155}	16.2	X	154.95041	25.09318	91.51205	10.54005	0.0443736	0.17504998	3.1649098	21	6 23.2	20.9
533257 2014 DQ_{155}	16.5	X	0.08066	265.23424	78.32497	6.98288	0.0763400	0.19945297	2.9011870	21	9 30.2	20.2
533258 2014 DR_{155}	16.4	X	126.72908	155.85305	16.17640	19.28869	0.0387727	0.18308971	3.0715677	21	8 7.4	21.2
533259 2014 DS_{155}	16.5	X	228.79044	218.43513	195.94968	9.35516	0.1099643	0.17649593	3.1476003	21	6 24.1	21.5
533260 2014 DT_{155}	16.3	X	52.07140	222.52631	62.77682	2.94382	0.1413510	0.18921748	3.0048898	21	10 5.1	20.2
533261 2014 DU_{155}	16.9	X	130.23489	216.05005	80.57525	6.70776	0.2960519	0.21319491	2.7751395	21	—	—
533262 2014 DV_{155}	16.3	X	287.68220	34.10503	304.62549	10.14654	0.0914260	0.17883498	3.1200944	21	5 30.1	20.8
533263 2014 DX_{155}	17.0	X	73.58411	147.11764	174.96130	6.54548	0.0585107	0.20898298	2.8123030	21	12 7.3	21.0
533264 2014 DZ_{155}	17.0	X	90.79232	182.91030	175.31341	5.55059	0.1735760	0.23668599	2.5883382	21	—	—
533265 2014 DB_{156}	17.2	X	329.18106	160.76680	252.75156	3.99669	0.0205888	0.21484447	2.7609164	21	11 12.8	20.7
533266 2014 DC_{156}	17.0	X	47.25857	231.73074	132.20950	6.47008	0.0438888	0.21802408	2.7340078	21	12 26.1	20.7
533267 2014 EB_{3}	16.8	X	148.64893	93.44777	89.60200	3.28420	0.0528063	0.19388375	2.9564811	21	9 10.8	21.2
533268 2014 EW_{3}	18.7	X	336.54731	255.49068	184.21232	23.81088	0.1676328	0.36538347	1.9377755	21	—	—
533269 2014 EL_{4}	18.4	X	301.00879	78.92527	15.78450	20.20213	0.1041241	0.35457127	1.9769712	21	—	—
533270 2014 EA_{5}	18.2	X	278.60078	193.72356	357.36185	19.47022	0.0558879	0.38347430	1.8763414	21	—	—
533271 2014 EV_{9}	16.9	X	223.91688	56.90260	12.53977	8.98412	0.1194538	0.18808239	3.0169674	21	7 8.8	21.7
533272 2014 EY_{10}	17.9	X	7.24419	86.64367	12.46166	20.69719	0.1014147	0.38214882	1.8806777	21	—	—
533273 2014 ES_{13}	18.0	X	235.51792	117.40338	357.27726	18.46834	0.0727031	0.33959276	2.0346846	21	10 3.0	20.1
533274 2014 EX_{15}	16.2	X	306.42758	321.86706	62.56046	2.70573	0.0874339	0.19648153	2.9303640	21	8 28.7	19.9
533275 2014 EL_{20}	16.8	X	204.49193	16.79440	151.62302	8.76281	0.1027217	0.21082458	2.7959016	21	10 24.3	21.1
533276 2014 EW_{20}	15.7	X	185.34196	85.16122	350.34074	26.49492	0.1077672	0.17683872	3.1435314	21	5 31.6	21.2
533277 2014 EF_{22}	16.7	X	108.80382	52.62987	160.20472	9.48316	0.1566275	0.18783093	3.0196595	21	9 11.5	21.4
533278 2014 EZ_{22}	16.6	X	72.61559	135.24303	74.07598	2.05344	0.1310559	0.17264111	3.1942819	21	7 23.3	21.0
533279 2014 EF_{24}	18.1	X	28.50913	19.41204	24.49399	21.06646	0.0875722	0.36446983	1.9410125	21	—	—
533280 2014 EU_{24}	17.7	X	227.99933	144.57261	102.22752	24.45679	0.0531162	0.37985478	1.8882420	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
533281 2014 EP_{25}	17.1	X	258.82718	317.71484	152.24447	8.87341	0.1169591	0.21504652	2.7591868	21	10 12.4	20.9
533282 2014 EB_{29}	16.6	X	153.67405	11.01365	123.00479	5.72946	0.1018059	0.18244735	3.0787730	21	7 16.6	21.2
533283 2014 EK_{30}	16.5	X	30.48148	142.56545	140.49774	8.91673	0.1216188	0.18027005	3.1035137	21	8 27.2	20.3
533284 2014 ES_{31}	18.2	X	359.52265	97.26531	6.50271	20.55372	0.1377373	0.38194743	1.8813387	21	—	—
533285 2014 EB_{34}	17.0	X	333.36191	309.21326	80.39779	5.82721	0.0295111	0.20520264	2.8467375	21	10 20.2	20.8
533286 2014 EE_{40}	16.8	X	112.74382	147.45351	64.90308	10.48405	0.0403292	0.18751041	3.0230996	21	9 8.3	21.3
533287 2014 EY_{48}	18.1	X	319.73098	45.11697	136.22315	24.11330	0.0744714	0.38775775	1.8624976	21	—	—
533288 2014 EK_{52}	15.9	X	263.17300	266.57385	87.31987	9.06833	0.0264854	0.17167749	3.2062236	21	5 30.2	20.4
533289 2014 EL_{52}	16.7	X	120.78642	86.27675	98.92236	12.03918	0.0372403	0.17877408	3.1208030	21	8 10.1	21.3
533290 2014 EA_{59}	15.9	X	72.49718	231.37208	341.92799	27.39461	0.1859769	0.17302465	3.1895596	21	8 13.9	20.6
533291 2014 ET_{72}	17.3	X	126.97793	281.34155	313.87335	7.85395	0.0309559	0.20498052	2.8487937	21	10 15.2	21.5
533292 2014 EF_{96}	16.9	X	16.08471	94.79704	278.33446	5.00894	0.0336757	0.21693208	2.7431751	21	11 25.1	20.5
533293 2014 EE_{97}	16.3	X	104.19671	294.05662	238.63547	5.45340	0.1175207	0.17436999	3.1731326	21	7 12.2	21.0
533294 2014 EL_{98}	16.3	X	202.66386	169.11093	258.04343	7.72185	0.0723738	0.18032361	3.1028991	21	6 14.8	21.1
533295 2014 EX_{119}	15.9	X	329.44199	116.56015	190.60123	9.61941	0.0699308	0.17222151	3.1994681	21	6 20.8	20.3
533296 2014 EZ_{119}	17.1	X	174.18837	221.99594	238.66149	2.62196	0.1805333	0.18102270	3.0949053	21	6 27.2	22.2
533297 2014 ER_{133}	17.0	X	87.32397	7.17081	281.43366	4.70452	0.0573390	0.20980211	2.8049781	21	11 10.1	21.1
533298 2014 EZ_{145}	16.6	X	255.95821	43.89238	321.67979	15.26854	0.1062669	0.17055273	3.2203044	21	5 21.5	21.7
533299 2014 EE_{158}	16.4	X	274.01677	189.74340	179.02526	9.13076	0.1032301	0.17872844	3.1213342	21	6 19.8	21.0
533300 2014 EQ_{188}	16.2	X	183.81772	183.42290	251.33072	8.98181	0.0596004	0.17523088	3.1627312	21	6 4.0	21.0
533301 2014 EE_{189}	16.6	X	232.62093	236.43282	178.40398	16.38128	0.1139350	0.18835932	3.0140097	21	6 28.2	21.5
533302 2014 EU_{199}	16.7	X	22.57615	113.49788	192.70424	6.94043	0.0339397	0.19290457	2.9664774	21	9 4.2	20.6
533303 2014 EC_{207}	15.7	X	109.42949	306.34877	257.07433	5.54721	0.0860010	0.18788850	3.0190426	21	8 21.0	20.2
533304 2014 EC_{211}	16.4	X	345.73619	27.28922	302.77756	5.37320	0.1371692	0.18751817	3.0230163	21	8 13.0	19.9
533305 2014 EG_{224}	16.3	X	84.79062	45.85520	182.61441	15.46703	0.1149519	0.18401785	3.0612308	21	8 27.5	20.8
533306 2014 EJ_{247}	16.0	X	54.60284	58.25363	185.90524	10.04047	0.1396095	0.17651943	3.1473210	21	8 11.3	20.3
533307 2014 ET_{248}	16.9	X	158.10539	92.98536	32.32462	15.79155	0.2422361	0.18136388	3.0910226	21	7 18.3	22.5
533308 2014 EV_{248}	16.6	X	157.00626	298.47406	187.70175	12.67659	0.1082200	0.17344884	3.1843572	21	7 8.9	21.8
533309 2014 EZ_{248}	16.5	X	44.08598	277.93853	345.11727	9.67832	0.0872784	0.18135678	3.0911033	21	8 18.1	20.5
533310 2014 EF_{249}	16.6	X	128.19250	102.20171	46.11538	12.03829	0.0958188	0.17294493	3.1905398	21	7 7.8	21.5
533311 2014 EK_{249}	17.0	X	97.57710	166.16271	73.30872	2.37052	0.1376296	0.18878707	3.0094553	21	10 1.2	21.6
533312 2014 ET_{249}	16.1	X	3.39545	74.44000	203.28030	15.62585	0.0379108	0.17247699	3.1963078	21	6 30.9	20.7
533313 2014 EV_{249}	16.4	X	69.54942	178.14431	72.25274	10.71375	0.0328322	0.18553449	3.0445255	21	9 1.2	20.8
533314 2014 EW_{249}	16.2	X	253.87413	306.80453	83.46871	10.53053	0.0848933	0.17939112	3.1136425	21	6 24.9	20.8
533315 2014 EC_{250}	15.7	X	40.38101	147.62285	114.45523	19.26920	0.0495814	0.17985332	3.1083058	21	8 5.8	19.9
533316 2014 FL	18.7	X	256.47571	246.07297	15.21913	20.71024	0.0789723	0.39516959	1.8391354	21	—	—
533317 2014 FQ	18.5	X	284.70978	105.73057	120.66809	23.91433	0.1012324	0.39204897	1.8488819	21	—	—
533318 2014 FO_{1}	16.0	X	325.97899	331.91127	354.88889	8.64730	0.0792293	0.17561421	3.1581272	21	7 12.7	20.2
533319 2014 FD_{3}	17.0	X	153.26621	171.41396	73.70288	9.07022	0.1657979	0.21253176	2.7809093	21	12 1.2	21.7
533320 2014 FE_{3}	16.3	X	102.98258	233.25270	32.89857	15.04356	0.1113899	0.20348130	2.8627695	21	11 4.6	20.6
533321 2014 FV_{6}	18.9	X	327.72870	71.97243	70.33412	10.35336	0.2399687	0.38509096	1.8710864	21	—	—
533322 2014 FL_{7}	18.1	X	246.12555	167.40424	73.52354	23.89200	0.0302811	0.38412230	1.8742307	21	—	—
533323 2014 FN_{7}	18.3	X	330.10389	269.55730	176.65285	22.67113	0.1071211	0.35831297	1.9631841	21	—	—
533324 2014 FA_{10}	17.0	X	137.14886	124.64112	15.93331	1.76095	0.1216339	0.17503965	3.1650344	21	7 9.4	21.9
533325 2014 FN_{10}	17.0	X	181.69951	15.37003	163.24826	14.33247	0.1336046	0.20999972	2.8032182	21	10 11.8	21.5
533326 2014 FO_{20}	18.7	X	286.76104	332.13094	175.05349	22.72298	0.0678740	0.37284276	1.9118431	21	—	—
533327 2014 FW_{22}	16.5	X	129.91110	187.23756	316.29271	8.06090	0.0348925	0.17353342	3.1833224	21	6 27.4	21.1
533328 2014 FG_{23}	16.7	X	170.57205	286.30537	195.27435	13.55490	0.0994793	0.18326862	3.0695683	21	7 16.0	21.7
533329 2014 FC_{26}	16.8	X	113.18026	10.36160	206.99057	9.80693	0.2464587	0.18738644	3.0244328	21	9 26.1	21.9
533330 2014 FW_{29}	16.4	X	168.97726	307.13593	166.81400	27.40698	0.1138124	0.17961998	3.1109972	21	7 7.7	21.8
533331 2014 FE_{33}	18.2	X	88.50517	200.11808	176.21081	23.37968	0.0814708	0.38076862	1.8852196	21	—	—
533332 2014 FV_{33}	18.4	X	23.68370	317.43745	55.79659	15.83318	0.1000058	0.35322861	1.9819779	21	—	—
533333 2014 FC_{34}	18.4	X	34.38784	71.88067	359.21552	20.44314	0.1017251	0.38022501	1.8870160	21	—	—
533334 2014 FJ_{35}	17.4	X	323.52249	96.82619	11.59099	19.70323	0.0760243	0.37209304	1.9144103	21	—	—
533335 2014 FU_{35}	16.1	X	159.98011	131.84405	24.05833	27.53468	0.0712364	0.18364822	3.0653371	21	9 3.9	21.2
533336 2014 FY_{37}	18.0	X	26.18768	73.90866	356.46834	21.16933	0.0794972	0.37296424	1.9114279	21	—	—
533337 2014 FW_{40}	18.3	X	68.10052	156.34764	102.52420	4.26786	0.1722642	0.31134572	2.1559604	21	10 11.3	21.0
533338 2014 FK_{43}	16.2	X	115.80261	53.51719	181.86239	13.96272	0.1773327	0.18537482	3.0462734	21	10 17.7	21.1
533339 2014 FS_{43}	17.8	X	36.94333	92.43909	352.08377	19.39008	0.0895620	0.38609918	1.8678276	21	—	—
533340 2014 FV_{47}	16.3	X	103.67981	41.64571	205.53735	10.55362	0.3278907	0.18631232	3.0360459	21	10 30.8	21.7
533341 2014 FE_{57}	16.8	X	175.69002	310.15493	172.06642	12.12155	0.2454534	0.18643287	3.0347370	21	7 23.1	22.3
533342 2014 FK_{68}	18.1	X	314.71620	135.27049	30.05116	20.42125	0.0789695	0.37807069	1.8941777	21	—	—
533343 2014 FQ_{72}	18.7	X	248.48897	252.14692	18.49435	21.60285	0.0688559	0.38871758	1.8594304	21	—	—
533344 2014 FR_{72}	18.4	X	287.16387	101.60698	78.03271	23.86578	0.0830376	0.37372175	1.9088441	21	—	—
533345 2014 FT_{72}	18.0	X	349.07708	8.20442	86.04269	23.98248	0.0716767	0.36614304	1.9350946	21	—	—
533346 2014 FC_{73}	16.5	X	103.89294	124.85057	105.49344	13.44146	0.2757045	0.18283805	3.0743855	21	10 13.6	21.9
533347 2014 FS_{73}	16.8	X	156.64185	76.09202	38.82346	17.81279	0.2594418	0.17408823	3.1765554	21	7 2.3	22.6
533348 2014 FT_{73}	16.2	X	229.67515	24.90659	38.58221	11.17206	0.0577553	0.17715979	3.1397322	21	7 13.6	21.0
533349 2014 FU_{73}	16.8	X	21.63000	24.29856	313.87422	4.48226	0.0654786	0.19778166	2.9175079	21	10 17.6	20.6
533350 2014 FZ_{73}	16.2	X	118.07560	158.97657	16.12826	14.65524	0.1044876	0.17256502	3.1952208	21	8 5.0	21.2
533351 2014 FA_{74}	16.5	X	359.79048	200.81078	138.85722	11.50069	0.1183584	0.18405651	3.0608022	21	9 24.1	20.2
533352 2014 FB_{74}	16.6	X	279.42849	235.92324	143.07147	10.87070	0.0471470	0.17166988	3.2063184	21	7 17.4	21.1
533353 2014 FC_{74}	16.8	X	175.14928	77.26069	62.91965	5.47797	0.0982503	0.17986398	3.1081830	21	8 17.5	21.6
533354 2014 FD_{74}	16.2	X	8.87555	241.55740	97.08408	13.61876	0.0990452	0.19507378	2.9444450	21	10 12.1	20.1
533355 2014 FR_{74}	15.4	X	168.81429	72.61347	42.68048	14.69490	0.0649037	0.17407617	3.1767022	21	7 9.3	20.4
533356 2014 FY_{74}	16.4	X	1.02862	261.02386	40.49518	9.30642	0.0734737	0.17456386	3.1707827	21	8 3.9	20.6
533357 2014 FF_{75}	16.5	X	78.26243	143.49762	119.92597	10.97285	0.2393121	0.18087739	3.0965626	21	10 24.6	21.4
533358 2014 FR_{75}	16.8	X	124.08136	68.01633	105.90891	6.94257	0.1516252	0.17126364	3.2113866	21	8 9.4	21.8
533359 2014 FX_{75}	16.9	X	131.89867	161.06826	67.42060	5.78470	0.1592111	0.19089497	2.9872602	21	10 23.5	21.7
533360 2014 FZ_{75}	16.2	X	92.61363	352.75171	209.81041	14.07762	0.0189907	0.17558733	3.1584495	21	7 19.9	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
533361 2014 FA_{76}	16.5	X	286.15830	193.93117	216.31647	10.78361	0.0262436	0.19188796	2.9769457	21	9 5.4	20.7
533362 2014 FE_{76}	16.4	X	134.50157	343.03247	218.64312	9.58291	0.0498541	0.19222221	2.9734936	21	9 12.8	21.0
533363 2014 FF_{76}	17.2	X	153.35913	48.87291	202.63761	12.95255	0.1561880	0.21061588	2.7977483	21	12 8.8	21.9
533364 2014 FJ_{76}	16.1	X	157.24218	103.23924	62.86766	16.79794	0.0478510	0.17641361	3.1485795	21	9 5.3	21.1
533365 2014 FK_{76}	16.9	X	76.48779	189.71816	86.86233	11.01859	0.0651849	0.19345350	2.9608630	21	10 18.7	21.2
533366 2014 FU_{76}	16.3	X	0.88018	79.08455	235.55164	7.59770	0.0321988	0.18350086	3.0669779	21	8 13.6	20.6
533367 2014 FV_{76}	16.3	X	315.67275	248.26706	149.91927	10.33328	0.0532052	0.19679633	2.9272381	21	10 4.7	20.2
533368 2014 FW_{76}	16.7	X	168.18794	115.03393	46.17384	11.96294	0.1209087	0.18854821	3.0119964	21	9 9.7	21.6
533369 2014 GD	16.9	X	220.82469	312.89528	227.08755	3.66235	0.0391155	0.21584881	2.7523455	21	12 1.3	20.8
533370 2014 GW_{1}	16.8	X	92.89389	209.95257	97.82213	4.37524	0.0885154	0.20880674	2.8138852	21	12 14.4	20.8
533371 2014 GG_{11}	16.8	X	191.33520	99.97825	32.32386	10.53570	0.0528135	0.18674956	3.0313052	21	8 29.4	21.4
533372 2014 GG_{17}	20.2	X	277.73758	239.56166	195.28491	39.15032	0.3524162	0.61661800	1.3670737	21	—	—
533373 2014 GW_{18}	16.2	X	105.41586	11.37940	184.43648	18.40595	0.0924242	0.17606292	3.1527591	21	8 6.2	21.1
533374 2014 GH_{19}	16.5	X	142.35879	132.84990	7.39410	17.06499	0.1488151	0.17373670	3.1808389	21	7 20.7	21.9
533375 2014 GA_{29}	18.6	X	276.16880	207.42657	29.60865	17.32207	0.0952277	0.38588599	1.8685155	21	—	—
533376 2014 GC_{29}	17.0	X	125.17137	88.39703	110.43661	2.07178	0.1611835	0.18010444	3.1054159	21	9 10.5	22.0
533377 2014 GW_{30}	16.6	X	101.03872	37.86502	192.32845	5.93410	0.0940401	0.18176833	3.0864358	21	9 16.1	21.1
533378 2014 GY_{30}	17.2	X	125.67147	81.80715	127.34415	1.35877	0.2109211	0.18476426	3.0529808	21	9 26.4	22.2
533379 2014 GP_{32}	18.4	X	30.24568	47.95570	41.75102	21.78921	0.0797784	0.37755258	1.8959102	21	—	—
533380 2014 GR_{33}	16.1	X	139.94914	129.92660	46.57666	10.92024	0.0429527	0.17760849	3.1344419	21	8 25.7	20.9
533381 2014 GX_{33}	17.1	X	174.49775	119.70102	33.98615	8.08748	0.2146528	0.18711107	3.0273994	21	9 3.1	22.4
533382 2014 GF_{34}	18.2	X	107.07542	16.49775	40.54098	22.28571	0.0840063	0.39476626	1.8403879	21	—	—
533383 2014 GP_{34}	18.5	X	88.17005	215.04694	202.75652	19.87352	0.1157658	0.39376336	1.8435115	21	—	—
533384 2014 GB_{35}	16.5	X	83.68029	73.16207	185.32245	25.02016	0.3505734	0.17603950	3.1530387	21	10 31.6	21.9
533385 2014 GT_{35}	18.0	X	165.76246	233.00966	48.23160	22.08152	0.0621212	0.36335133	1.9449938	21	—	—
533386 2014 GG_{37}	16.3	X	126.14043	203.31996	48.61299	9.28017	0.0568271	0.20475141	2.8509184	21	11 9.6	20.5
533387 2014 GX_{39}	18.1	X	171.18802	292.48952	29.91273	21.78827	0.0213950	0.37872532	1.8919943	21	—	—
533388 2014 GW_{44}	18.5	X	17.10750	350.02471	152.98822	24.28891	0.0974711	0.39370041	1.8437080	21	—	—
533389 2014 GW_{45}	17.0	X	116.16903	80.03010	158.65855	9.14419	0.1590562	0.19143094	2.9816818	21	10 22.2	21.8
533390 2014 GM_{46}	16.6	X	84.40736	92.40503	119.38932	16.40373	0.1922233	0.17287306	3.1914240	21	8 20.3	21.3
533391 2014 GO_{47}	18.2	X	252.08591	188.85013	34.30286	23.00949	0.0230274	0.37318630	1.9106696	21	—	—
533392 2014 GW_{47}	16.6	X	137.44395	174.60219	40.25578	6.74127	0.1287537	0.18964161	3.0004078	21	10 10.8	21.4
533393 2014 GX_{52}	18.3	X	138.18448	168.52672	162.48095	22.17649	0.0656993	0.37252424	1.9129327	21	—	—
533394 2014 GY_{52}	18.7	X	55.72006	25.27163	54.66239	22.97904	0.0564911	0.38824970	1.8609240	21	—	—
533395 2014 GF_{53}	18.3	X	18.59392	319.43341	124.47760	23.63275	0.0795187	0.37735947	1.8965569	21	—	—
533396 2014 GQ_{53}	9.3	X	35.57564	60.17426	129.50873	22.74187	0.3114893	0.00773780	25.3157684	21	6 8.6	22.4
533397 2014 GZ_{53}	6.3	X	3.32204	136.06737	84.55468	5.92956	0.0357751	0.00338930	43.8930921	21	5 5.9	22.6
533398 2014 GA_{54}	7.2	X	347.66399	149.59965	128.68598	15.73176	0.2501164	0.00371255	41.3067689	21	6 10.1	22.2
533399 2014 GQ_{54}	18.3	X	233.68009	42.78284	200.42111	21.59169	0.0436589	0.36868130	1.9262027	21	—	—
533400 2014 GZ_{54}	18.5	X	217.73435	94.64181	193.76373	21.73861	0.0802148	0.37363793	1.9091296	21	—	—
533401 2014 GD_{55}	16.6	X	148.06191	278.83434	229.11550	8.77724	0.1717737	0.17488694	3.1668765	21	7 28.7	21.9
533402 2014 GY_{55}	16.3	X	159.56681	294.84130	201.23670	25.53940	0.2312305	0.17433999	3.1734966	21	7 23.5	22.3
533403 2014 GF_{56}	16.4	X	225.14608	90.56031	31.94525	15.55203	0.1666420	0.19209123	2.9748451	21	9 15.7	21.2
533404 2014 GP_{56}	16.7	X	63.36215	12.28884	241.88235	0.96894	0.0370996	0.17476693	3.1683261	21	8 23.0	21.2
533405 2014 GQ_{56}	16.3	X	53.97321	23.75876	233.38105	13.07692	0.1265995	0.17202989	3.2018436	21	8 21.6	20.9
533406 2014 GQ_{57}	17.0	X	138.50502	161.53713	15.91295	0.72672	0.1113096	0.17895183	3.1187361	21	8 24.6	21.6
533407 2014 GS_{57}	16.6	X	169.54335	104.43586	37.15986	5.92704	0.0788663	0.18283020	3.0744735	21	8 13.7	21.4
533408 2014 GV_{57}	16.2	X	12.84691	156.75450	149.21383	15.22963	0.0771648	0.17422501	3.1748927	21	8 24.6	20.1
533409 2014 GW_{57}	16.5	X	185.24536	58.30538	98.11470	11.30901	0.0447928	0.18801333	3.0177062	21	9 22.6	21.1
533410 2014 GC_{58}	16.6	X	143.19431	53.17271	59.66458	2.84690	0.2553865	0.16438754	3.3003256	21	6 19.5	22.2
533411 2014 GR_{58}	16.4	X	65.47769	73.37123	222.49538	16.57569	0.2510732	0.18227577	3.0807049	21	11 16.3	21.0
533412 2014 GB_{59}	16.2	X	25.59555	85.81957	204.65877	10.25760	0.0517016	0.18073814	3.0981529	21	8 17.8	20.5
533413 2014 GC_{59}	16.8	X	112.90976	204.91002	76.11565	3.24246	0.0805093	0.20064950	2.8896417	21	12 1.4	21.2
533414 2014 GF_{59}	17.0	X	130.69378	26.73448	195.13773	10.04180	0.0441226	0.19014038	2.9951585	21	10 5.9	21.3
533415 2014 GN_{59}	15.9	X	161.93859	279.81820	206.28590	16.26936	0.1475518	0.17421608	3.1750012	21	7 13.4	21.4
533416 2014 GP_{59}	16.0	X	52.19043	235.04394	89.35048	12.03852	0.1879163	0.19331112	2.9623167	21	11 30.3	20.2
533417 2014 GT_{59}	16.7	X	207.86523	287.74625	195.93392	12.25067	0.0841529	0.18263678	3.0766439	21	8 26.7	21.5
533418 2014 GV_{59}	16.1	X	170.78794	49.46028	79.99602	27.83638	0.2251187	0.17623671	3.1506860	21	7 31.9	21.9
533419 2014 GF_{60}	16.7	X	138.99894	158.91618	49.32462	11.48944	0.0678546	0.18578844	3.0417505	21	10 4.3	21.3
533420 2014 GL_{60}	16.7	X	67.50820	247.73219	17.35236	15.84994	0.1976928	0.17859106	3.1229347	21	10 5.9	21.1
533421 2014 GH_{61}	16.3	X	53.10172	159.05789	111.06459	13.92762	0.0787568	0.17644590	3.1481954	21	9 10.3	20.7
533422 2014 GM_{61}	16.6	X	158.98437	50.74402	123.82435	10.25842	0.0855184	0.18543392	3.0456262	21	9 13.3	21.3
533423 2014 GN_{61}	16.7	X	80.91585	87.05238	149.49601	9.83555	0.2134370	0.17406724	3.1768108	21	9 18.3	21.4
533424 2014 GQ_{61}	16.3	X	59.92508	208.62760	57.59061	16.53833	0.1356564	0.17733403	3.1376753	21	9 27.2	20.9
533425 2014 GM_{62}	16.8	X	78.87936	89.57977	196.96659	1.33265	0.0686050	0.18957399	3.0011212	21	10 28.6	21.0
533426 2014 GX_{62}	16.6	X	237.20805	74.49549	18.21308	12.40676	0.0517377	0.17998706	3.1067659	21	9 1.8	21.2
533427 2014 GY_{62}	17.6	X	130.36606	91.04000	169.77996	1.55953	0.2345035	0.19822551	2.9131511	21	11 30.4	22.7
533428 2014 GC_{63}	17.0	X	219.08291	16.72674	93.37996	3.89529	0.0603756	0.18353217	3.0666291	21	8 28.9	21.5
533429 2014 GE_{63}	17.0	X	342.38445	333.82574	25.61120	9.36449	0.0357607	0.18517860	3.0484250	21	9 21.5	21.1
533430 2014 GG_{63}	17.3	X	202.63114	303.63826	219.73306	1.62368	0.1480015	0.20008013	2.8951211	21	10 8.3	21.9
533431 2014 GR_{63}	17.1	X	138.35530	87.11039	141.74795	3.51859	0.1920657	0.19221035	2.9736159	21	10 30.3	22.1
533432 2014 GZ_{63}	16.4	X	62.24372	97.69217	180.32900	16.75867	0.1273261	0.17343730	3.1844985	21	10 4.9	20.7
533433 2014 GA_{64}	16.9	X	108.53230	177.38565	55.67254	2.29173	0.1266945	0.18205274	3.0832204	21	10 2.8	21.7
533434 2014 GK_{64}	16.4	X	131.05144	105.02255	81.81203	19.64089	0.0914965	0.17636879	3.1491128	21	9 4.3	21.6
533435 2014 GW_{64}	16.4	X	200.68907	250.49112	213.05426	10.66721	0.0598388	0.17495554	3.1660486	21	7 25.8	21.3
533436 2014 GZ_{64}	18.9	X	83.41294	191.77286	70.74493	1.81409	0.0521982	0.32290930	2.1041774	21	10 19.4	21.2
533437 2014 GB_{65}	16.7	X	172.31503	135.25133	13.18574	9.76780	0.0189589	0.18512205	3.0490458	21	8 26.8	21.1
533438 2014 GC_{65}	16.3	X	227.99279	252.60743	196.11201	9.89882	0.0367061	0.18377543	3.0639224	21	8 10.5	20.9
533439 2014 HO_{1}	16.4	X	73.84845	179.55378	87.49563	21.43896	0.1063019	0.17752795	3.1353900	21	10 14.1	21.3
533440 2014 HQ_{2}	18.2	X	292.88664	156.29129	54.88929	18.71565	0.1168401	0.38613770	1.8677034	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
533441 2014 HX_4	18.3	X	20.30077	269.55440	207.55554	22.28538	0.0880113	0.38455130	1.8728365	21	—	—
533442 2014 HK_6	16.7	X	203.53297	310.59702	171.90278	9.11789	0.0688969	0.18313989	3.0710066	21	8 23.3	21.4
533443 2014 HT_6	18.6	X	304.52836	77.59274	41.82740	21.91260	0.0843957	0.35801696	1.9642661	21	—	—
533444 2014 HJ_7	16.5	X	128.02208	45.45720	185.69002	10.56667	0.2098334	0.19084249	2.9878078	21	10 25.3	21.5
533445 2014 HS_7	16.3	X	109.72855	185.26020	46.01932	14.62286	0.1166271	0.18492664	3.0511934	21	10 6.1	21.1
533446 2014 HX_7	17.0	X	6.85915	117.03470	184.14470	9.78084	0.0126906	0.17312333	3.1883475	21	8 4.3	21.5
533447 2014 HK_{12}	16.9	X	141.99159	91.88216	68.84457	5.10849	0.1779579	0.17526252	3.1623506	21	8 12.6	22.1
533448 2014 HM_{14}	15.9	X	222.75773	236.00454	206.80774	16.94571	0.1777965	0.17948110	3.1126018	21	7 14.7	21.3
533449 2014 HO_{14}	16.0	X	342.74512	154.53038	206.22917	12.98113	0.0563848	0.18600835	3.0393526	21	9 17.9	20.1
533450 2014 HP_{15}	16.9	X	145.04523	2.27944	208.78579	8.85024	0.0681702	0.19207878	2.9749737	21	10 9.4	21.4
533451 2014 HE_{16}	16.8	X	65.59954	256.88626	30.55415	10.99377	0.0251882	0.18983754	2.9983431	21	10 9.1	20.9
533452 2014 HG_{22}	16.4	X	195.38749	164.22044	351.36905	4.82658	0.1353761	0.19552634	2.9398998	21	9 22.3	21.1
533453 2014 HS_{24}	16.9	X	110.80937	309.33112	291.30176	0.54894	0.1797779	0.18960717	3.0007712	21	10 18.1	21.7
533454 2014 HY_{24}	16.5	X	107.49577	120.99476	109.35609	12.75392	0.2083424	0.18030866	3.1030706	21	10 10.8	21.7
533455 2014 HZ_{24}	16.1	X	84.23201	153.08479	84.14144	17.78970	0.2038259	0.17313271	3.1882324	21	9 29.4	21.2
533456 2014 HB_{25}	16.6	X	115.46644	192.42773	73.79531	15.05710	0.3517997	0.18983798	2.9983384	21	11 30.0	22.2
533457 2014 HK_{25}	16.5	X	97.28085	16.65131	206.12620	10.62022	0.1756483	0.17635498	3.1492772	21	9 9.9	21.5
533458 2014 HK_{27}	16.6	X	106.31654	205.62066	33.34501	11.91554	0.0598671	0.18760718	3.0220600	21	10 3.8	21.0
533459 2014 HM_{28}	16.9	X	94.95139	116.45253	153.09896	4.21266	0.2274095	0.18819636	3.0157493	21	11 12.1	21.8
533460 2014 HH_{29}	16.9	X	1.41490	72.04086	35.81548	22.48258	0.0259597	0.23673145	2.5880068	21	—	—
533461 2014 HX_{29}	16.5	X	30.78582	286.21990	40.05937	19.11108	0.1499260	0.18560317	3.0437744	21	10 28.2	20.3
533462 2014 HV_{35}	16.4	X	149.52746	6.45327	173.19168	10.17526	0.0620840	0.18129028	3.0918591	21	9 4.5	20.9
533463 2014 HB_{37}	16.7	X	352.04137	165.47517	181.18170	11.90273	0.0534824	0.18160473	3.0882890	21	9 14.6	20.6
533464 2014 HR_{43}	16.9	X	161.13676	301.63889	195.11055	15.96616	0.1932272	0.17550021	3.1594947	21	7 26.5	22.5
533465 2014 HP_{44}	17.6	X	154.38908	106.07746	64.99996	1.66338	0.3280013	0.18926294	3.0044086	21	9 7.2	23.1
533466 2014 HR_{45}	16.8	X	141.31532	80.20685	105.02224	7.65830	0.1816240	0.18373766	3.0643422	21	9 12.3	21.9
533467 2014 HQ_{46}	17.7	X	86.02156	306.45399	48.99982	21.64185	0.0904286	0.35896958	1.9607894	21	—	—
533468 2014 HM_{47}	16.1	X	56.39530	240.72724	50.66206	11.95312	0.1125564	0.18441085	3.0568801	21	10 16.1	20.3
533469 2014 HU_{51}	16.6	X	127.21607	153.45635	44.00106	8.35362	0.0621367	0.18188191	3.0851506	21	9 6.8	21.2
533470 2014 HD_{68}	16.8	X	137.08259	334.55208	198.85452	22.82552	0.1020006	0.17731421	3.1379090	21	8 12.1	22.1
533471 2014 HW_{72}	16.6	X	117.45993	355.40310	195.20284	9.34119	0.0148349	0.17349157	3.1838343	21	8 5.3	21.2
533472 2014 HU_{74}	17.0	X	218.24677	36.05791	67.56937	5.09069	0.1982882	0.18629815	3.0361999	21	8 8.9	22.0
533473 2014 HZ_{90}	16.4	X	86.97539	203.34225	52.73882	12.60588	0.1159881	0.18338086	3.0683158	21	10 10.7	21.0
533474 2014 HT_{96}	16.5	X	197.30151	49.50907	52.11464	17.36971	0.0665471	0.17229313	3.1985815	21	7 26.0	21.6
533475 2014 HM_{111}	16.4	X	283.74244	338.49877	78.17977	11.38518	0.1657364	0.18727299	3.0256541	21	8 29.8	20.6
533476 2014 HK_{122}	17.3	X	148.86039	15.56741	153.08266	1.16065	0.1143443	0.18073769	3.0981580	21	8 24.1	21.9
533477 2014 HW_{123}	18.4	X	52.46570	316.83453	85.94651	23.50130	0.0800780	0.36796774	1.9286920	21	—	—
533478 2014 HY_{132}	18.1	X	305.11673	97.87942	73.73310	23.59708	0.0598910	0.37377854	1.9086508	21	—	—
533479 2014 HE_{135}	17.3	X	228.40555	269.82016	223.41357	1.02098	0.0281386	0.19451854	2.9500455	21	10 10.9	21.5
533480 2014 HA_{139}	16.5	X	95.72199	223.07697	48.26426	13.55946	0.3061276	0.18541020	3.0458859	21	11 18.4	21.7
533481 2014 HM_{142}	18.3	X	342.22203	63.21181	228.74695	5.41281	0.1827947	0.28808205	2.2705196	21	6 4.7	20.0
533482 2014 HR_{153}	17.0	X	128.61387	152.53626	50.28314	4.49261	0.1182906	0.18297051	3.0729016	21	9 17.1	21.7
533483 2014 HQ_{155}	16.2	X	147.45797	311.82729	217.87784	16.42048	0.0686278	0.17809867	3.1286881	21	8 15.9	21.2
533484 2014 HD_{156}	16.3	X	108.14831	158.72977	34.07749	16.90276	0.1263936	0.17136538	3.2101155	21	8 21.0	21.4
533485 2014 HU_{156}	16.5	X	54.73751	70.01869	192.45957	15.56245	0.0353080	0.17513556	3.1638787	21	8 18.9	21.1
533486 2014 HZ_{156}	16.3	X	24.61435	280.90651	44.68768	22.66612	0.1341431	0.18401408	3.0612726	21	10 20.5	20.3
533487 2014 HT_{157}	16.7	X	169.53576	330.10933	177.65971	9.14124	0.0136231	0.17499940	3.1655196	21	8 16.3	21.2
533488 2014 HE_{163}	16.4	X	349.10331	140.34171	223.99940	8.68300	0.0123864	0.19841763	2.9112703	21	10 3.1	20.4
533489 2014 HN_{163}	16.2	X	102.15774	148.08979	83.49931	10.90144	0.0526807	0.18250900	3.0780797	21	9 21.1	20.8
533490 2014 HH_{168}	16.4	X	106.80062	5.36483	225.07740	18.64187	0.1106423	0.17973891	3.1096247	21	9 20.2	21.4
533491 2014 HJ_{168}	16.2	X	219.47387	36.93006	45.71931	17.08067	0.1121670	0.16941991	3.2346435	21	7 23.1	21.5
533492 2014 HR_{168}	16.8	X	94.07719	121.42795	171.50842	8.17639	0.2007770	0.19165933	2.9793126	21	12 6.3	21.7
533493 2014 HF_{173}	16.8	X	353.24166	173.99045	169.18044	9.93204	0.0324875	0.17870062	3.1216582	21	9 11.9	21.1
533494 2014 HH_{175}	18.8	X	12.71750	307.10991	359.73098	4.46195	0.1712341	0.30343629	2.1932646	21	9 19.8	20.4
533495 2014 HU_{177}	18.0	X	353.34376	176.67016	135.54856	6.79833	0.2480019	0.29949008	2.2124888	21	8 14.9	18.4
533496 2014 HK_{178}	17.9	X	83.75533	8.83574	63.99510	21.91517	0.0762417	0.38717307	1.8643722	21	—	—
533497 2014 HD_{179}	18.2	X	221.47622	220.07428	61.59433	24.98654	0.0963089	0.37559309	1.9024985	21	—	—
533498 2014 HT_{179}	16.6	X	44.72404	292.39465	37.94732	11.50532	0.1391626	0.19091979	2.9870014	21	11 17.9	20.7
533499 2014 HD_{182}	16.4	X	61.18335	206.57498	41.85089	11.34085	0.0268069	0.17922465	3.1155703	21	8 17.5	20.9
533500 2014 HY_{183}	16.4	X	177.26380	338.76372	184.05922	17.75230	0.1123969	0.18314467	3.0709531	21	9 12.6	21.4
533501 2014 HM_{185}	17.9	X	288.04797	93.17302	34.91553	21.57716	0.0817794	0.35868680	1.9618198	21	—	—
533502 2014 HN_{187}	18.3	X	57.15307	203.19788	227.28215	16.48009	0.0632576	0.37985727	1.8882337	21	—	—
533503 2014 HE_{190}	17.0	X	71.74657	250.25893	57.79767	7.71221	0.1871764	0.18720816	3.0263526	21	11 29.4	21.6
533504 2014 HF_{190}	18.2	X	324.75661	255.09468	56.67351	5.89915	0.1896816	0.28517083	2.2859461	21	5 28.7	20.1
533505 2014 HQ_{190}	18.4	X	60.22666	21.69868	69.72345	23.49819	0.0972215	0.39042087	1.8540184	21	—	—
533506 2014 HU_{199}	6.5	X	315.03734	139.55360	118.31962	8.53425	0.0709557	0.00348637	43.0745013	21	4 19.9	22.6
533507 2014 HV_{199}	6.4	X	209.60415	299.77966	87.96921	24.41073	0.0187729	0.00422465	37.8973365	21	5 22.3	22.3
533508 2014 HC_{200}	6.3	X	346.15182	216.23368	44.43642	35.70941	0.4311885	0.00185662	65.5622245	21	5 4.3	22.3
533509 2014 HL_{200}	18.2	X	358.31776	340.56278	92.87717	26.50318	0.0672639	0.35809745	1.9639717	21	—	—
533510 2014 HO_{200}	18.1	X	189.31815	191.29260	65.76784	24.56104	0.0191255	0.35924041	1.9598038	21	—	—
533511 2014 HF_{202}	16.3	X	129.34924	79.28280	106.31022	26.08151	0.1376641	0.16979352	3.2298968	21	9 1.3	21.7
533512 2014 HJ_{203}	17.0	X	113.34979	209.35168	43.30041	5.52920	0.0302093	0.19153209	2.9806319	21	10 23.6	21.1
533513 2014 HM_{203}	16.6	X	173.40009	52.77007	82.53447	11.13153	0.0688568	0.17265380	3.1941254	21	8 9.9	21.5
533514 2014 HN_{203}	16.7	X	175.96400	70.85678	114.72317	10.03024	0.1119892	0.19041700	2.9922571	21	10 15.4	21.5
533515 2014 HY_{203}	16.1	X	27.47068	190.63825	114.96532	11.31273	0.0841736	0.17385872	3.1793504	21	9 20.0	20.4
533516 2014 HH_{204}	16.4	X	19.65838	98.36517	262.31068	0.84324	0.1156285	0.19086645	2.9875578	21	11 19.4	20.2
533517 2014 HS_{204}	16.7	X	89.47487	95.45225	118.00131	26.40606	0.2169071	0.16952969	3.2332469	21	9 1.9	21.9
533518 2014 HH_{205}	17.0	X	89.67828	107.11263	168.91844	9.01349	0.0954898	0.18845705	3.0129676	21	11 2.5	21.5
533519 2014 HE_{207}	16.6	X	93.74413	321.23408	281.46828	4.02178	0.0780427	0.17777560	3.1324775	21	9 19.6	21.2
533520 2014 HM_{207}	16.6	X	157.03916	314.27759	237.82342	12.21582	0.0818263	0.18429323	3.0581806	21	9 24.9	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
533521 2014 HE_{211}	16.2	X	32.43392	184.01736	100.51387	10.10077	0.0602094	0.17429741	3.1740134	21	8 26.9	20.5
533522 2014 HF_{211}	16.7	X	50.58089	169.53016	152.47718	8.94394	0.1327116	0.18619249	3.0373483	21	11 17.5	21.0
533523 2014 JO	16.2	X	62.06988	118.41519	107.52582	13.18884	0.2535297	0.16413664	3.3036880	21	8 20.1	20.8
533524 2014 JH_{5}	16.5	X	152.39255	93.17486	44.55547	19.61410	0.1264176	0.17012906	3.2256485	21	7 25.4	21.9
533525 2014 JN_{14}	17.0	X	110.31342	153.63670	106.75355	6.58746	0.1385223	0.18931051	3.0039052	21	11 9.2	21.8
533526 2014 JZ_{16}	16.5	X	162.09561	81.71191	85.84268	13.63633	0.1369336	0.17899966	3.1181805	21	9 11.5	21.7
533527 2014 JK_{19}	16.8	X	153.52643	340.65007	188.77612	15.64416	0.0952263	0.18168343	3.0873972	21	8 26.3	21.7
533528 2014 JH_{23}	17.7	X	146.92090	92.14387	225.61114	19.35381	0.0851125	0.35715362	1.9674303	21	—	—
533529 2014 JA_{25}	17.6	X	49.98098	265.69455	103.71578	24.79584	0.0987152	0.35806539	1.9640889	21	—	—
533530 2014 JQ_{26}	16.2	X	74.12537	197.98637	94.71598	16.84157	0.3009610	0.18136693	3.0909880	21	11 28.6	21.3
533531 2014 JM_{28}	16.0	X	2.58078	219.17021	106.05387	11.71773	0.0876048	0.16960248	3.2323217	21	9 7.6	20.2
533532 2014 JB_{30}	16.1	X	63.90130	89.70823	183.17267	31.18181	0.1442136	0.17405390	3.1769732	21	10 2.7	20.6
533533 2014 JU_{32}	16.6	X	116.83115	106.81635	80.45571	11.73109	0.0997098	0.16877917	3.2428248	21	8 15.9	21.6
533534 2014 JW_{37}	17.8	X	341.24270	247.93131	93.42480	7.08260	0.1476759	0.30406234	2.1902531	21	9 8.2	19.4
533535 2014 JO_{42}	18.3	X	302.30961	224.25325	85.95583	8.80729	0.2396500	0.27253473	2.3560698	21	4 16.9	21.4
533536 2014 JQ_{49}	16.8	X	98.47989	148.78848	109.04594	11.16047	0.0907993	0.18227764	3.0806838	21	10 22.8	21.5
533537 2014 JB_{50}	16.9	X	85.00550	64.89627	196.02382	11.97452	0.1137933	0.17805443	3.1292063	21	10 8.5	21.4
533538 2014 JH_{52}	16.1	X	74.98249	209.04689	60.30279	21.94857	0.0877067	0.17788977	3.1311370	21	10 14.6	20.9
533539 2014 JK_{53}	16.7	X	76.20893	209.43066	56.71809	18.43819	0.1859202	0.17627727	3.1502028	21	10 20.7	21.5
533540 2014 JO_{53}	16.8	X	64.62159	138.16060	140.11139	1.95824	0.1576299	0.17567626	3.1573835	21	10 12.5	21.3
533541 2014 JU_{54}	19.9	X	166.27028	10.64771	88.33625	26.77629	0.2675590	0.57218384	1.4369632	21	6 15.8	20.9
533542 2014 JA_{55}	18.7	X	346.74823	133.61103	57.54663	22.86146	0.0520240	0.39413128	1.8423640	21	—	—
533543 2014 JA_{56}	18.0	X	120.65030	250.05091	71.43511	23.67670	0.0593066	0.35589998	1.9720477	21	—	—
533544 2014 JK_{57}	17.8	X	24.62356	209.81826	67.85504	9.61978	0.2973372	0.28700522	2.2761953	21	9 25.0	19.9
533545 2014 JD_{58}	16.2	X	139.59528	11.82986	199.41807	28.28558	0.1081585	0.18577464	3.0419012	21	10 5.0	20.9
533546 2014 JF_{59}	16.9	X	161.18838	117.64204	60.42034	3.37156	0.2166303	0.18693229	3.0293294	21	9 19.5	22.1
533547 2014 JO_{59}	17.0	X	102.67426	193.85881	75.33664	11.09770	0.0701604	0.19128547	2.9831933	21	11 6.8	21.4
533548 2014 JO_{60}	16.9	X	158.94627	2.88478	202.33169	10.84410	0.0702993	0.18921729	3.0048918	21	10 17.7	21.4
533549 2014 JA_{61}	16.0	X	81.82096	188.43109	92.11907	17.16164	0.1241091	0.18282827	3.0744952	21	11 6.4	20.8
533550 2014 JA_{62}	16.7	X	113.87329	33.71708	184.06942	14.83216	0.1584947	0.17660636	3.1462881	21	9 20.7	21.7
533551 2014 JF_{63}	16.2	X	105.90309	106.24780	81.47938	27.35622	0.2091271	0.16844613	3.2470977	21	8 19.8	21.7
533552 2014 JO_{63}	16.6	X	64.07583	193.31188	110.56264	14.85313	0.2021407	0.18232994	3.0800946	21	11 22.1	21.3
533553 2014 JQ_{68}	15.9	X	117.28054	320.27060	247.89930	8.78199	0.0763035	0.17567549	3.1573927	21	9 1.2	20.8
533554 2014 JO_{70}	18.5	X	357.38661	101.37259	253.46892	0.65781	0.0502589	0.32006868	2.1166088	21	10 24.6	20.3
533555 2014 JA_{75}	16.7	X	89.80649	230.77956	36.28091	7.39978	0.1301560	0.18335901	3.0685595	21	10 24.2	21.1
533556 2014 JU_{75}	16.2	X	23.18696	326.11250	48.84068	11.84632	0.1308531	0.19666290	2.9285620	21	12 14.7	20.0
533557 2014 JJ_{78}	18.1	X	46.73261	357.95073	102.72124	25.07177	0.0828513	0.37974231	1.8886148	21	—	—
533558 2014 JW_{78}	17.8	X	288.13695	158.60544	57.12982	21.66544	0.0573704	0.38007840	1.8875013	21	—	—
533559 2014 JG_{80}	7.8	X	198.87942	324.21357	94.71250	32.70335	0.2872409	0.01003027	21.2941786	21	6 5.6	22.2
533560 2014 JM_{80}	5.7	X	344.19542	96.94912	182.58702	20.50195	0.2681302	0.00198302	62.7457182	21	6 3.4	22.5
533561 2014 JN_{80}	6.6	X	331.49939	156.24827	138.77072	17.72070	0.1107008	0.00367313	41.6017859	21	6 12.8	22.4
533562 2014 JQ_{80}	7.3	X	24.99691	97.73221	109.87912	7.97240	0.2182764	0.00396821	39.5129643	21	5 28.8	22.4
533563 2014 JW_{80}	5.8	X	7.00062	131.64512	60.78191	40.78921	0.7251380	0.00060120	139.0351997	21	5 26.6	22.5
533564 2014 JA_{81}	18.6	X	249.41488	195.91339	54.51686	20.66018	0.0477596	0.37919328	1.8904374	21	—	—
533565 2014 JL_{81}	18.0	X	250.26490	139.68801	64.30277	23.26780	0.0403367	0.35926984	1.9596968	21	—	—
533566 2014 JF_{83}	17.1	X	128.78867	78.07189	160.32116	9.19958	0.1742503	0.18468669	3.0538356	21	11 2.3	22.2
533567 2014 JA_{84}	16.5	X	137.02242	339.65885	202.88178	17.14780	0.1628779	0.17472642	3.1688158	21	8 27.6	21.9
533568 2014 JR_{84}	16.8	X	167.32853	4.60715	181.42159	4.73207	0.0677339	0.18851840	3.0123139	21	10 3.4	21.1
533569 2014 JU_{85}	15.6	X	156.90846	301.37272	220.69045	17.99896	0.0873302	0.16773044	3.2563278	21	8 16.2	20.9
533570 2014 JC_{86}	17.7	X	113.12994	174.60256	25.99375	5.89902	0.0771824	0.29351285	2.2424252	21	9 1.8	20.6
533571 2014 JO_{86}	16.4	X	89.06723	204.57127	41.03778	9.61398	0.0495953	0.17419095	3.1753065	21	9 20.1	21.0
533572 2014 JQ_{86}	17.0	X	80.92155	95.62190	214.38826	14.33996	0.2163370	0.18504737	3.0498661	21	12 13.4	22.0
533573 2014 JC_{87}	16.0	X	165.74126	297.40319	215.17682	11.24757	0.0829727	0.17635492	3.1492779	21	8 16.5	21.0
533574 2014 JE_{87}	16.2	X	320.21044	212.42079	198.86604	12.30237	0.0573908	0.18895141	3.0077099	21	10 24.4	20.0
533575 2014 JF_{87}	16.5	X	26.69363	265.37690	85.24518	12.56687	0.1146514	0.18256016	3.0775046	21	11 18.1	20.6
533576 2014 JG_{87}	17.0	X	102.21099	78.71988	202.01419	10.38540	0.0764073	0.18780958	3.0198884	21	11 18.5	21.5
533577 2014 JH_{87}	16.9	X	197.06232	0.90871	166.94300	9.74176	0.0562277	0.18576389	3.0420185	21	10 15.6	21.4
533578 2014 JJ_{87}	16.7	X	55.93904	151.90532	155.03005	10.88020	0.2181346	0.17825662	3.1268396	21	11 16.9	21.3
533579 2014 JH_{88}	16.8	X	48.65400	228.44633	72.95331	2.36236	0.1708686	0.17815057	3.1280804	21	10 23.2	20.9
533580 2014 JM_{88}	17.3	X	138.45505	33.63774	177.19922	2.77907	0.1405529	0.18591855	3.0403313	21	10 5.9	22.1
533581 2014 JG_{89}	16.3	X	149.39433	154.87116	44.51688	17.28034	0.1186094	0.18377674	3.0639078	21	10 7.7	21.3
533582 2014 JS_{89}	16.8	X	119.46819	95.46125	131.22116	10.22986	0.0610138	0.17611322	3.1521587	21	10 3.2	21.6
533583 2014 JA_{90}	16.4	X	78.69847	190.26450	95.74404	8.23582	0.1293996	0.17082634	3.2168649	21	11 4.7	21.2
533584 2014 JA_{91}	16.6	X	105.06542	146.64033	118.69245	15.72949	0.1803624	0.18212178	3.0824412	21	11 15.7	21.8
533585 2014 KX_{1}	16.2	X	84.49191	142.95994	105.11663	18.04300	0.2025314	0.17649727	3.1475844	21	10 12.0	21.3
533586 2014 KG_{4}	18.5	X	200.99081	245.93584	71.61171	24.77633	0.0958731	0.37931472	1.8900338	21	—	—
533587 2014 KS_{4}	16.4	X	102.10564	52.35996	192.24981	16.30805	0.1939718	0.18121666	3.0926964	21	10 16.3	21.2
533588 2014 KF_{8}	18.5	X	172.30081	282.00697	43.96423	19.73260	0.0699565	0.37815906	1.8938826	21	—	—
533589 2014 KU_{9}	18.8	X	17.09275	97.00474	195.34459	2.66318	0.1829940	0.29803913	2.2196637	21	9 4.6	20.3
533590 2014 KV_{13}	18.7	X	16.34620	131.66210	202.49748	3.18608	0.0957557	0.31461770	2.1409866	21	10 30.8	20.7
533591 2014 KQ_{17}	16.5	X	151.68955	71.88685	92.70151	11.04013	0.1668848	0.17422016	3.1749516	21	8 27.3	21.8
533592 2014 KP_{21}	18.5	X	110.44415	220.18047	208.98248	18.94175	0.0796415	0.39193213	1.8492493	21	1 16.5	20.5
533593 2014 KR_{21}	18.4	X	307.90379	337.32694	350.52237	1.49225	0.2492391	0.28512643	2.2861834	21	5 12.2	20.9
533594 2014 KS_{21}	18.3	X	327.10377	217.69291	128.40163	6.55937	0.2277170	0.30110074	2.2045917	21	7 28.2	19.3
533595 2014 KY_{21}	18.0	X	282.94586	82.80306	98.57480	25.89374	0.0727694	0.36419474	1.9419898	21	—	—
533596 2014 KJ_{22}	18.3	X	289.10231	81.82358	105.34866	24.61252	0.0974061	0.37080418	1.9188439	21	—	—
533597 2014 KK_{22}	18.1	X	64.73490	325.56925	107.88565	24.75227	0.0590989	0.37471817	1.9054587	21	—	—
533598 2014 KO_{22}	16.1	X	44.02976	43.59074	240.79407	16.16368	0.1864272	0.17874573	3.1211329	21	9 20.5	20.5
533599 2014 KE_{24}	15.9	X	102.67518	152.22362	65.80409	16.93360	0.1107302	0.17875579	3.1210159	21	9 15.0	20.9
533600 2014 KS_{27}	16.1	X	189.69312	95.38032	36.92316	11.58311	0.0733531	0.18564955	3.0432674	21	8 27.3	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
533601 2014 KX_{28}	17.8	X	309.50943	280.30663	90.91218	8.14216	0.2190696	0.29916317	2.2141003	21	8 1.9	19.5
533602 2014 KN_{29}	16.7	X	101.36164	36.91350	217.07974	10.92672	0.1255175	0.18357729	3.0661265	21	10 19.0	21.4
533603 2014 KY_{31}	17.1	X	141.46868	37.06690	187.75675	5.85977	0.1139296	0.18827126	3.0149495	21	10 25.1	21.7
533604 2014 KN_{32}	16.4	X	18.61325	106.87001	214.73407	10.05503	0.0992630	0.17180123	3.2046840	21	9 21.5	20.6
533605 2014 KU_{32}	16.4	X	139.35067	116.39516	85.46947	11.37772	0.1495851	0.18145053	3.0900385	21	10 1.7	21.6
533606 2014 KC_{33}	18.6	X	2.22397	161.93974	151.87683	2.31326	0.1668232	0.30073223	2.2063923	21	9 6.6	19.9
533607 2014 KO_{34}	16.5	X	97.17726	101.39490	140.05246	17.62436	0.1476132	0.17710572	3.1403712	21	10 7.3	21.5
533608 2014 KW_{35}	16.1	X	173.95448	332.85523	155.62414	13.19166	0.0961686	0.17211020	3.2008475	21	7 29.1	21.1
533609 2014 KS_{38}	18.0	X	313.17916	102.67756	199.07533	21.30474	0.2990123	0.27480929	2.3430512	21	4 4.9	21.0
533610 2014 KY_{39}	17.9	X	354.34353	32.76529	303.40669	4.98211	0.2160712	0.30444062	2.1884384	21	9 29.7	19.2
533611 2014 KR_{40}	18.4	X	325.47883	68.54987	85.47628	24.23319	0.1568363	0.37228113	1.9137654	21	—	—
533612 2014 KH_{41}	16.3	X	109.72704	354.21996	243.16998	6.05403	0.1495679	0.17979399	3.1089896	21	10 8.1	21.2
533613 2014 KD_{44}	15.9	X	116.39677	111.41324	104.03101	27.58722	0.1663936	0.17925341	3.1152370	21	10 4.4	21.4
533614 2014 KS_{44}	18.3	X	347.16377	186.03787	147.80987	6.84754	0.2104553	0.30206207	2.1999117	21	9 7.8	19.1
533615 2014 KU_{45}	18.4	X	3.18326	22.29326	92.24374	24.96664	0.0331139	0.36839694	1.9271937	21	—	—
533616 2014 KX_{45}	17.8	X	47.70869	305.97943	127.55598	23.71132	0.0853406	0.36895006	1.9252671	21	—	—
533617 2014 KX_{52}	18.1	X	305.55964	229.54238	102.84754	7.40016	0.1468636	0.28334630	2.2957487	21	6 4.5	20.7
533618 2014 KL_{62}	15.9	X	114.14143	126.92240	105.97592	27.75250	0.1865166	0.17958349	3.1114186	21	10 25.4	21.5
533619 2014 KU_{62}	15.5	X	340.29917	142.63277	75.26814	3.82999	0.1355069	0.12399371	3.9829325	21	3 17.0	20.5
533620 2014 KN_{68}	16.7	X	62.98447	116.74689	171.51798	17.43452	0.1203471	0.17793736	3.1305787	21	10 20.0	21.2
533621 2014 KK_{72}	16.1	X	141.64854	86.52624	103.88219	17.45334	0.0619213	0.17283719	3.1918656	21	9 16.4	21.2
533622 2014 KM_{73}	15.9	X	188.67827	59.00892	87.12463	17.00780	0.1573438	0.17771225	3.1332218	21	9 10.7	21.3
533623 2014 KK_{74}	16.4	X	46.66464	192.61876	109.88779	11.41685	0.1265501	0.17310355	3.1885904	21	10 19.6	20.9
533624 2014 KW_{74}	17.2	X	141.31988	96.57848	130.91073	7.65058	0.2790048	0.19015000	2.9950575	21	11 3.3	22.7
533625 2014 KZ_{74}	16.8	X	133.88642	2.79290	212.61541	9.24548	0.0849575	0.19057803	2.9905713	21	10 2.8	21.5
533626 2014 KJ_{78}	17.0	X	168.08373	158.88277	55.84778	10.51103	0.1422583	0.19742873	2.9209838	21	11 7.9	21.7
533627 2014 KQ_{78}	18.6	X	341.51949	41.45539	251.55220	3.69649	0.1971882	0.28493987	2.2871812	21	6 2.7	20.2
533628 2014 KU_{78}	16.3	X	83.53948	32.15375	248.26567	12.73654	0.1742559	0.18179911	3.0860874	21	11 5.7	21.0
533629 2014 KC_{79}	17.6	X	324.28182	46.30145	246.45653	8.88377	0.2520276	0.27593840	2.3366551	21	4 14.5	20.3
533630 2014 KG_{80}	16.9	X	165.42036	285.89736	240.11467	7.35688	0.2376295	0.18362863	3.0655550	21	9 3.6	22.3
533631 2014 KH_{80}	16.0	X	73.67669	31.49256	241.74796	13.99573	0.2448655	0.17497750	3.1657837	21	10 24.8	20.9
533632 2014 KL_{80}	17.1	X	115.74452	200.76734	32.35808	0.64924	0.1563623	0.18184240	3.0855976	21	10 11.6	22.0
533633 2014 KW_{81}	17.0	X	108.78865	109.41292	127.40072	2.23794	0.1184707	0.17897814	3.1184304	21	10 6.7	21.7
533634 2014 KW_{83}	17.9	X	51.31984	128.07808	270.38310	19.05458	0.0877771	0.35692054	1.9682867	21	—	—
533635 2014 KK_{84}	18.0	X	332.25401	232.60402	233.24294	18.69776	0.1119827	0.35414337	1.9785634	21	—	—
533636 2014 KF_{85}	19.1	X	181.81709	145.04717	194.82949	22.03599	0.0578851	0.38392620	1.8748688	21	—	—
533637 2014 KG_{85}	18.0	X	136.03275	262.42728	95.00330	22.23801	0.1161934	0.36570748	1.9366307	21	—	—
533638 2014 KT_{86}	20.4	X	98.06559	288.90880	69.06874	22.45893	0.1676083	0.76211655	1.1870120	21	—	—
533639 2014 KE_{89}	16.3	X	30.36800	136.11277	191.45890	18.35627	0.1763881	0.17255058	3.1953990	21	10 31.2	20.4
533640 2014 KY_{90}	18.7	X	317.78877	46.08838	137.61787	27.26752	0.0611286	0.38028695	1.8868112	21	—	—
533641 2014 KV_{92}	16.3	X	101.25736	60.46353	207.71519	26.65614	0.1399840	0.18185522	3.0854525	21	11 7.3	21.1
533642 2014 KP_{93}	16.2	X	70.39090	54.77272	240.45676	17.24314	0.1713080	0.17916557	3.1162552	21	11 9.4	20.8
533643 2014 KS_{94}	16.9	X	173.81153	20.81887	132.44885	11.32164	0.2563996	0.18052221	3.1006229	21	8 30.6	22.4
533644 2014 KR_{96}	18.3	X	334.03197	151.74529	191.50921	5.82543	0.2075951	0.29645085	2.2275848	21	8 11.9	19.7
533645 2014 KR_{100}	18.5	X	334.96356	156.23174	159.98356	5.51323	0.2153056	0.28695945	2.2764373	21	6 24.9	20.2
533646 2014 KN_{102}	17.9	X	219.43052	313.13739	268.76348	17.26040	0.0736568	0.35684091	1.9685795	21	—	—
533647 2014 KD_{104}	16.4	X	21.16454	258.48004	83.86716	10.90894	0.1078572	0.17973505	3.1096692	21	10 30.8	20.5
533648 2014 KO_{104}	16.7	X	316.03546	228.39296	153.52774	4.67037	0.0137061	0.17332422	3.1858834	21	9 12.5	21.2
533649 2014 KH_{105}	16.9	X	90.25509	184.41331	77.29302	6.46741	0.1176094	0.17990898	3.1076647	21	10 18.7	21.5
533650 2014 KN_{106}	16.7	X	261.97253	29.23733	73.31361	9.89727	0.1314699	0.18938647	3.0031020	21	10 4.2	21.0
533651 2014 KA_{107}	16.0	X	8.96788	269.52584	93.06146	12.19033	0.1502824	0.18670780	3.0317571	21	11 12.7	19.7
533652 2014 KJ_{107}	17.1	X	111.36495	177.49965	80.73637	6.36087	0.0894924	0.18706051	3.0279450	21	11 3.2	21.6
533653 2014 KX_{107}	16.3	X	61.45005	248.31729	61.75427	18.28580	0.1690689	0.18079716	3.0974786	21	11 18.7	20.7
533654 2014 KC_{109}	16.9	X	111.23945	175.71472	127.42897	8.78916	0.1757536	0.19851187	2.9103490	21	12 30.9	21.8
533655 2014 KT_{109}	16.8	X	152.67224	6.61712	211.38542	15.91564	0.0955056	0.18862438	3.0111854	21	10 26.7	21.4
533656 2014 KU_{109}	16.9	X	56.33708	115.01636	192.04653	9.55648	0.0760430	0.17973159	3.1097092	21	10 26.9	21.1
533657 2014 KX_{109}	16.6	X	90.66318	151.79513	115.47833	12.07187	0.0451932	0.18255920	3.0775154	21	10 20.5	21.2
533658 2014 KH_{110}	16.9	X	170.88059	16.97499	171.42514	10.62687	0.0523982	0.18318953	3.0704518	21	10 11.3	21.5
533659 2014 KY_{111}	16.5	X	125.77871	179.13869	56.01143	13.27519	0.1409005	0.17404516	3.1770796	21	10 24.8	21.6
533660 2014 KL_{112}	17.1	X	112.48841	24.07896	247.10743	0.93867	0.2312866	0.18677034	3.0310803	21	11 27.0	22.2
533661 2014 KX_{112}	18.0	X	53.46632	4.22618	292.64822	3.69864	0.1251460	0.31329257	2.1470195	21	11 4.2	20.4
533662 2014 KD_{113}	17.8	X	331.07524	263.20003	63.23117	6.50121	0.1993202	0.28737602	2.2742369	21	7 6.7	19.4
533663 2014 LZ	15.8	X	48.81452	201.79466	96.93969	23.91301	0.1153510	0.17526142	3.1623638	21	10 23.7	20.6
533664 2014 LQ_{5}	18.3	X	354.53422	195.30093	92.57776	6.27334	0.1918681	0.28698230	2.2763165	21	6 28.8	19.5
533665 2014 LH_{9}	18.3	X	166.17658	122.09176	225.73340	21.00036	0.0927636	0.37547441	1.9028994	21	—	—
533666 2014 LV_{10}	16.9	X	84.56966	143.44123	127.46227	12.76516	0.1165165	0.18043672	3.1016023	21	10 26.2	21.7
533667 2014 LM_{15}	18.5	X	327.48663	166.27541	160.21284	2.15966	0.2032545	0.27576634	2.3376270	21	6 26.9	20.2
533668 2014 LW_{17}	17.0	X	79.90105	113.95861	176.66526	9.36792	0.1100808	0.18224876	3.0810092	21	11 9.8	21.6
533669 2014 LF_{18}	18.2	X	350.89898	215.96590	113.46206	5.71961	0.2299016	0.29670047	2.2263352	21	9 13.4	19.2
533670 2014 LA_{21}	17.5	X	319.89803	276.07973	240.68435	23.02391	0.1132950	0.36869688	1.9261484	21	—	—
533671 2014 LJ_{21}	16.1	X	170.43857	302.80761	126.65374	24.25278	0.8952275	0.20069076	2.8892456	21	6 3.3	23.5
533672 2014 LT_{23}	16.1	X	86.24558	52.53910	227.77523	18.05658	0.2093982	0.17906509	3.1174209	21	11 12.9	20.8
533673 2014 LB_{27}	18.2	X	340.98941	221.41392	240.86549	18.66311	0.0906028	0.35294336	1.9830456	21	—	—
533674 2014 LJ_{27}	17.0	X	306.40767	66.24487	235.95438	22.63161	0.2172481	0.26945917	2.3739637	21	4 5.7	20.5
533675 2014 LU_{27}	17.8	X	302.31679	356.34116	323.41357	4.68769	0.2732705	0.27587010	2.3370408	21	4 17.6	20.8
533676 2014 LS_{28}	6.2	X	303.28117	187.49966	116.12567	3.82293	0.0675920	0.00344944	43.3814175	21	5 21.9	22.4
533677 2014 LX_{28}	18.2	X	247.20222	87.45251	120.34622	24.16502	0.0631056	0.35640411	1.9701876	21	—	—
533678 2014 LG_{30}	16.3	X	39.73630	212.64363	125.70587	11.12925	0.0476122	0.18795247	3.0183576	21	11 13.6	20.6
533679 2014 LH_{30}	17.4	X	275.30841	113.90567	223.84109	5.84284	0.1312685	0.25821421	2.4423953	21	5 3.1	20.7
533680 2014 LJ_{30}	17.6	X	280.82758	121.88243	217.64199	5.59262	0.1339182	0.25963166	2.4334977	21	5 12.6	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
533681 2014 LL_{31}	17.4	X	135.07843	281.92155	254.42305	6.61937	0.0476745	0.28266433	2.2994398	21	8 17.0	20.5
533682 2014 LY_{31}	15.8	X	54.80584	242.42447	76.84415	27.75325	0.1764693	0.17870589	3.1215967	21	11 25.7	20.3
533683 2014 LF_{32}	16.5	X	59.54669	94.91329	220.27934	13.45575	0.2200304	0.17728962	3.1381992	21	11 28.3	21.1
533684 2014 LM_{32}	16.6	X	56.90189	109.59405	215.67699	15.35505	0.2338156	0.17884608	3.1199653	21	12 8.8	21.3
533685 2014 LT_{32}	17.5	X	292.11590	63.32773	276.31554	4.32705	0.1720243	0.25659051	2.4526881	21	5 21.1	20.6
533686 2014 MT_{2}	17.6	X	341.38174	8.68973	132.48219	23.81173	0.0701631	0.36759550	1.9299938	21	—	—
533687 2014 MK_{3}	16.5	X	121.18050	100.12008	94.58280	27.02041	0.2402968	0.17382300	3.1797859	21	9 17.5	22.3
533688 2014 MV_{7}	17.6	X	291.32828	60.49178	275.04623	7.52811	0.2198202	0.26517857	2.3994430	21	5 4.7	21.0
533689 2014 MG_{12}	16.5	X	40.17173	217.56548	91.49216	11.94860	0.1139734	0.17418520	3.1753764	21	10 17.8	20.9
533690 2014 MA_{14}	16.5	X	113.61092	70.01826	149.87869	10.35076	0.0698087	0.17068102	3.2186906	21	9 16.5	21.2
533691 2014 MF_{14}	16.3	X	68.78259	182.14253	122.44331	11.99363	0.2137791	0.17818233	3.1277087	21	11 27.3	21.1
533692 2014 MH_{17}	18.3	X	277.29525	70.36211	300.72144	3.33527	0.2151734	0.26326332	2.4110663	21	6 7.9	21.5
533693 2014 MX_{18}	18.3	X	126.65570	253.44420	104.45624	23.95920	0.0875608	0.36081473	1.9540989	21	—	—
533694 2014 MY_{20}	16.3	X	39.42675	126.18429	210.96612	16.66703	0.1878634	0.18095420	3.0956863	21	11 26.9	20.5
533695 2014 MK_{24}	18.2	X	329.00397	233.49652	110.94210	3.18149	0.2307752	0.28254581	2.3000828	21	7 29.2	19.4
533696 2014 MD_{31}	18.3	X	306.63507	171.60357	160.42317	2.79058	0.2150010	0.27065353	2.3669745	21	5 24.9	21.0
533697 2014 MR_{31}	18.5	X	342.81882	194.44406	113.02691	6.74588	0.1786003	0.27688979	2.3312996	21	7 4.4	20.3
533698 2014 MJ_{32}	16.5	X	96.23022	86.24346	140.40770	10.93649	0.1919819	0.17183121	3.2043112	21	9 20.3	21.5
533699 2014 MG_{39}	18.5	X	306.06496	319.80930	42.79779	3.10839	0.2328840	0.27770303	2.3267460	21	7 6.4	20.6
533700 2014 MT_{39}	18.1	X	320.51143	18.06086	355.22561	5.14783	0.2620339	0.28285012	2.2984327	21	8 24.5	19.2
533701 2014 MZ_{41}	17.9	X	145.97229	249.78185	112.34992	23.76111	0.1027629	0.37130857	1.9171058	21	—	—
533702 2014 MD_{53}	17.0	X	87.09902	121.89638	151.35422	10.48089	0.2037584	0.17722973	3.1389062	21	11 7.8	22.0
533703 2014 MG_{63}	18.1	X	302.57266	57.53871	287.84600	4.62572	0.1477309	0.27032047	2.3689184	21	6 18.8	20.6
533704 2014 MZ_{69}	6.1	X	53.45705	251.12687	20.89312	12.86000	0.1997034	0.00311347	46.4485965	21	9 13.4	22.4
533705 2014 MC_{72}	17.1	X	304.99724	106.94531	192.29600	12.62106	0.1659166	0.24399721	2.5363712	21	4 16.8	20.2
533706 2014 ML_{72}	17.2	X	255.01918	212.35724	5.46311	4.50519	0.0965304	0.21667397	2.7453532	21	—	—
533707 2014 MU_{78}	18.1	X	356.68241	154.59907	135.51858	6.42447	0.1491395	0.27593664	2.3366651	21	7 9.2	19.9
533708 2014 MW_{78}	17.5	X	224.52784	217.08713	196.98008	5.01901	0.1870734	0.25681230	2.4512757	21	6 12.9	21.5
533709 2014 NQ_{1}	16.3	X	76.56275	54.37777	236.60672	13.23049	0.2772455	0.17602394	3.1532245	21	11 22.8	21.1
533710 2014 NC_{2}	16.2	X	93.87251	60.93338	239.88059	10.75938	0.1750502	0.17487528	3.1670173	21	12 9.6	21.2
533711 2014 NA_{3}	18.2	X	343.97010	289.77214	59.25621	9.06338	0.3421040	0.28391588	2.2926773	21	10 10.2	18.6
533712 2014 NL_{3}	17.1	X	89.49561	155.41856	148.26060	6.33751	0.3104774	0.18387379	3.0628296	21	12 21.2	22.5
533713 2014 NU_{6}	17.4	X	244.45284	214.40864	144.75597	3.10632	0.2091825	0.25559596	2.4590464	21	4 21.5	21.3
533714 2014 NX_{7}	18.3	X	36.67415	7.50527	280.08009	5.81076	0.1188976	0.29521389	2.2338029	21	9 20.1	20.8
533715 2014 NE_{17}	16.7	X	130.07243	109.90129	121.71317	12.25826	0.1069363	0.18313286	3.0710851	21	10 25.7	21.7
533716 2014 NO_{28}	18.4	X	313.04659	152.29535	204.09353	2.33394	0.2515975	0.27835227	2.3231266	21	7 5.8	20.2
533717 2014 NT_{36}	16.2	X	70.01864	269.83719	73.43311	13.99046	0.3083743	0.17414867	3.1758204	21	—	—
533718 2014 NW_{37}	17.6	X	297.31625	231.50280	139.89230	6.72777	0.2908775	0.27080592	2.3660864	21	6 23.7	20.5
533719 2014 NH_{38}	17.8	X	285.36575	112.37009	107.43418	22.57982	0.0443900	0.37232495	1.9136152	21	—	—
533720 2014 NR_{45}	18.1	X	307.45736	179.35933	145.84830	3.85578	0.2645489	0.26817954	2.3815093	21	5 8.5	20.8
533721 2014 NT_{45}	18.1	X	335.48799	323.94306	342.84832	5.42749	0.2382243	0.27533990	2.3400400	21	6 4.7	20.0
533722 2014 NE_{52}	18.0	X	295.97603	337.57226	54.53277	3.85980	0.6586096	0.26773837	2.3841248	21	5 28.9	21.9
533723 2014 NG_{52}	18.3	X	338.35921	48.94367	98.16441	23.99523	0.0888763	0.36258394	1.9477371	21	—	—
533724 2014 NE_{55}	18.1	X	299.48490	271.16067	65.29982	7.32096	0.1397927	0.26606235	2.3941265	21	6 1.8	20.9
533725 2014 NS_{55}	17.9	X	349.89708	299.89241	73.74954	4.76142	0.1399832	0.29683876	2.2256437	21	11 15.4	19.6
533726 2014 NK_{59}	17.9	X	356.64427	266.48368	105.05087	6.11520	0.2537430	0.29645130	2.2275826	21	12 13.9	19.5
533727 2014 NZ_{59}	18.4	X	1.49547	196.86968	104.23991	2.46269	0.2606824	0.28054211	2.3110216	21	8 19.7	19.2
533728 2014 NJ_{61}	18.5	X	326.35685	249.65519	81.55199	7.81391	0.1398233	0.28207327	2.3026509	21	7 12.8	20.6
533729 2014 NX_{63}	16.0	X	235.81499	64.01758	305.32594	15.80924	0.2739999	0.23908034	2.5710280	21	4 14.8	20.9
533730 2014 NW_{67}	17.9	X	324.50854	117.82634	206.83100	6.17709	0.1218195	0.27066508	2.3669072	21	6 29.6	20.3
533731 2014 NY_{68}	15.9	X	99.95362	328.47684	278.63874	6.69684	0.0925092	0.15798398	3.3889150	21	9 30.5	21.1
533732 2014 NH_{69}	18.2	X	246.82967	68.48688	336.42610	6.21168	0.1209298	0.26259891	2.4151314	21	7 1.4	21.6
533733 2014 NA_{70}	16.4	X	129.26703	100.45260	138.28079	10.79614	0.1769997	0.17475170	3.1685102	21	11 3.4	21.8
533734 2014 NU_{70}	18.4	X	325.70261	159.92302	204.20793	3.38745	0.0466419	0.28992574	2.2608836	21	9 9.7	20.8
533735 2014 OB_{3}	18.2	X	276.15885	265.71509	118.02123	11.36225	0.1916024	0.27234559	2.3571605	21	6 28.2	21.2
533736 2014 OG_{3}	17.2	X	296.35785	95.79415	285.66654	22.19442	0.2938277	0.27508430	2.3414893	21	7 6.8	19.5
533737 2014 OB_{10}	18.3	X	285.25843	43.76129	299.14793	7.21193	0.2391087	0.26480346	2.4017084	21	5 3.9	21.9
533738 2014 OB_{16}	18.2	X	308.12928	206.97199	129.97404	1.98760	0.2075378	0.27240070	2.3568425	21	6 4.7	20.8
533739 2014 OB_{23}	16.5	X	91.24683	155.09006	128.26225	18.88442	0.1641203	0.17200626	3.2021369	21	11 21.5	21.8
533740 2014 OG_{23}	18.5	X	334.95840	75.35133	262.95913	2.94321	0.1661704	0.28353879	2.2947096	21	8 8.8	20.2
533741 2014 OL_{33}	18.2	X	351.32544	233.94501	83.05102	4.44278	0.0292252	0.28500719	2.2868210	21	8 13.9	20.8
533742 2014 OH_{34}	18.8	X	281.03672	316.00850	61.87034	2.91119	0.1582380	0.27493481	2.3423380	21	7 1.9	21.6
533743 2014 OV_{39}	18.5	X	275.77555	308.60628	82.67226	3.70130	0.2501128	0.27303902	2.3531678	21	6 29.2	21.5
533744 2014 OA_{40}	17.8	X	332.49527	40.77655	323.36179	4.91067	0.2820552	0.28623322	2.2802862	21	9 11.1	18.5
533745 2014 OG_{40}	18.1	X	223.83105	103.57452	334.16915	6.10116	0.1386150	0.27601329	2.3362325	21	7 18.4	21.4
533746 2014 OH_{44}	18.5	X	355.83257	244.40769	124.52840	5.24715	0.2427617	0.29925184	2.2136629	21	12 7.4	20.1
533747 2014 OG_{46}	18.4	X	256.18137	310.66315	109.38520	4.20632	0.1719312	0.28061883	2.3106004	21	7 27.1	21.3
533748 2014 OY_{46}	18.2	X	319.43883	284.15915	91.81558	5.46688	0.1238752	0.29087481	2.2559630	21	9 16.6	20.1
533749 2014 OV_{57}	18.5	X	332.96968	236.21412	103.79899	5.63229	0.1421161	0.28204035	2.3028300	21	8 11.8	20.4
533750 2014 OT_{64}	18.6	X	279.08285	237.13179	109.16569	6.38985	0.2631295	0.25973852	2.4328303	21	5 4.2	22.3
533751 2014 OR_{71}	17.9	X	267.26080	0.12434	3.07344	3.09207	0.2056814	0.25953308	2.4341139	21	5 17.4	21.3
533752 2014 OW_{71}	17.9	X	314.34965	211.01048	107.14352	2.15368	0.1266484	0.26574697	2.3960204	21	6 1.5	20.5
533753 2014 ON_{72}	17.4	X	317.88219	284.39265	103.03860	6.66350	0.2190055	0.28478014	2.2880363	21	9 22.6	18.9
533754 2014 OF_{85}	18.3	X	314.01418	326.81248	35.27805	4.34214	0.0336323	0.28906046	2.2653932	21	8 22.9	20.8
533755 2014 OD_{93}	18.0	X	318.17141	114.27275	261.95342	5.60256	0.1281848	0.28979923	2.2615415	21	9 6.2	20.1
533756 2014 OW_{94}	17.3	X	259.69809	174.68191	135.74269	8.93210	0.0784180	0.23588433	2.5941992	21	3 21.2	21.0
533757 2014 OG_{95}	18.4	X	18.62304	211.67881	129.50899	3.14024	0.1731929	0.29477115	2.2360391	21	11 23.5	20.5
533758 2014 OV_{95}	17.8	X	258.85333	256.69259	141.38433	5.57568	0.3005209	0.25899404	2.4374901	21	6 14.5	21.8
533759 2014 OQ_{96}	17.8	X	358.95981	11.32373	334.86810	4.40529	0.2414047	0.28778026	2.2721067	21	10 30.7	19.4
533760 2014 OJ_{97}	17.4	X	250.40280	119.35165	311.50162	6.72907	0.1580514	0.27198542	2.3592409	21	8 5.3	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
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533761 2014 OV_{97}	18.2	X	308.02966	6.74875	315.69382	4.82221	0.2392355	0.26303705	2.4124488	21	5 6.5	21.0
533762 2014 OC_{98}	18.0	X	158.23886	223.00170	309.45957	4.91405	0.0934645	0.28483096	2.2877642	21	9 12.1	21.3
533763 2014 ON_{101}	16.1	X	88.09891	122.37622	145.44620	7.13250	0.0664043	0.15290407	3.4635651	21	10 14.2	21.1
533764 2014 OT_{101}	17.8	X	3.27161	231.75010	135.79204	7.13140	0.1876411	0.29671731	2.2262510	21	12 9.5	19.9
533765 2014 OW_{104}	15.8	X	45.56509	186.08891	125.38146	11.83337	0.2137225	0.17687932	3.1430504	21	11 10.3	20.2
533766 2014 OY_{104}	17.9	X	146.73811	180.09055	106.09319	24.65045	0.0413011	0.35147389	1.9885690	21	—	—
533767 2014 OE_{105}	16.5	X	78.85738	74.26480	212.85295	14.40962	0.2217098	0.18029668	3.1032081	21	11 15.9	21.3
533768 2014 OG_{106}	18.1	X	290.31749	30.79336	321.89223	6.24799	0.1549528	0.26967618	2.3726899	21	6 8.6	21.0
533769 2014 OP_{109}	18.2	X	329.26794	354.16153	340.88729	4.95323	0.2329677	0.27888554	2.3201642	21	7 12.8	19.8
533770 2014 OX_{125}	18.7	X	276.58156	52.61751	14.65792	3.35736	0.1275652	0.29278341	2.2461482	21	9 14.4	20.8
533771 2014 OF_{129}	17.6	X	336.47705	1.36562	359.55851	7.20643	0.1827685	0.28602747	2.2813796	21	9 23.1	18.7
533772 2014 OW_{130}	16.3	X	65.02753	92.23297	204.49642	15.17285	0.2365426	0.17556098	3.1587655	21	11 14.9	21.0
533773 2014 OH_{132}	17.6	X	304.50826	67.87041	311.38500	5.81518	0.2669404	0.28173510	2.3044931	21	7 23.8	19.7
533774 2014 OB_{133}	18.6	X	208.44599	119.25090	96.39264	4.35477	0.0762591	0.33586131	2.0497272	21	—	—
533775 2014 OJ_{140}	17.5	X	257.86635	357.51184	347.24851	1.42098	0.2600270	0.25313910	2.4749317	21	4 9.9	21.5
533776 2014 OD_{144}	18.5	X	260.27320	276.00314	120.10751	2.24505	0.1887989	0.27132482	2.3630688	21	6 25.8	21.6
533777 2014 OU_{144}	17.9	X	251.22514	250.01809	147.87011	2.74624	0.1922366	0.26799676	2.3825920	21	6 17.7	21.3
533778 2014 OA_{153}	18.3	X	272.96569	59.46359	336.65620	4.22134	0.1532770	0.28037893	2.3119182	21	7 18.7	21.0
533779 2014 OA_{156}	18.4	X	258.47701	57.94117	7.16690	4.88974	0.1094186	0.28804731	2.2707021	21	8 18.1	21.1
533780 2014 OM_{156}	18.2	X	277.17355	1.70676	73.88428	7.41270	0.1052260	0.30007430	2.2096162	21	10 6.6	20.5
533781 2014 OF_{158}	17.8	X	338.06949	220.00534	78.27126	7.31095	0.1285470	0.27441502	2.3452949	21	6 13.5	20.0
533782 2014 OL_{160}	18.0	X	354.22108	310.27602	353.54995	6.10537	0.1179722	0.28187973	2.3037048	21	7 30.0	20.0
533783 2014 ON_{162}	18.0	X	303.86558	332.27160	37.63923	2.91623	0.2132483	0.27995861	2.3142317	21	7 18.2	20.1
533784 2014 OD_{163}	18.3	X	340.82859	250.33799	43.29011	3.31427	0.1704218	0.27376877	2.3489843	21	6 6.3	20.1
533785 2014 OX_{169}	17.6	X	253.02891	342.32337	42.55633	7.05685	0.1132649	0.26776574	2.3839623	21	6 10.6	20.9
533786 2014 OO_{170}	16.0	X	97.23506	310.36728	325.67266	16.66784	0.2128575	0.17306028	3.1891218	21	11 11.7	21.5
533787 2014 OF_{174}	17.9	X	191.26210	44.98635	79.41376	5.83745	0.0974102	0.28723935	2.2749582	21	8 19.5	21.1
533788 2014 OT_{178}	17.9	X	343.90070	289.61801	97.47808	6.78261	0.1118337	0.30449175	2.1881934	21	11 24.4	19.7
533789 2014 OT_{180}	17.3	X	224.71012	69.06538	340.06395	12.68395	0.1962615	0.25766735	2.4458499	21	6 3.8	21.6
533790 2014 ON_{182}	17.8	X	52.35919	181.70132	67.11269	6.17142	0.0319656	0.27808951	2.3245897	21	8 8.3	20.5
533791 2014 OH_{184}	17.7	X	269.21754	335.00278	65.68866	7.48337	0.1087110	0.27425076	2.3462313	21	7 28.4	20.6
533792 2014 OP_{184}	18.1	X	355.97343	216.51515	78.71197	7.60544	0.1134221	0.27495699	2.3422120	21	7 17.9	20.2
533793 2014 OL_{185}	17.4	X	167.47967	41.09596	105.28230	4.72796	0.0806973	0.28266822	2.2994187	21	8 21.3	20.6
533794 2014 OY_{185}	17.7	X	263.59155	3.43591	58.50448	6.94060	0.0808583	0.28375264	2.2935565	21	8 27.6	20.5
533795 2014 OU_{187}	18.1	X	306.10674	198.65474	183.03652	6.21644	0.2395340	0.27321485	2.3521582	21	8 2.7	20.4
533796 2014 OW_{187}	17.0	X	238.44767	39.27319	337.72842	13.88178	0.0864703	0.24706759	2.5153139	21	5 12.4	20.9
533797 2014 OX_{188}	18.1	X	307.57792	70.05802	284.15488	0.56234	0.1676829	0.26680442	2.3896853	21	7 7.6	20.4
533798 2014 OB_{195}	17.8	X	318.15455	197.19951	148.25054	7.70353	0.1286402	0.26909659	2.3760956	21	7 19.3	20.2
533799 2014 ON_{195}	18.0	X	316.93512	160.50753	157.96754	11.18319	0.2382216	0.26296900	2.4128650	21	5 20.9	20.8
533800 2014 OX_{196}	17.8	X	303.29404	177.82013	173.56247	4.52806	0.2018595	0.26527279	2.3988748	21	6 19.6	20.4
533801 2014 OS_{197}	17.8	X	285.57967	55.70907	306.49750	2.76756	0.2225464	0.26070026	2.4268433	21	6 5.1	20.8
533802 2014 OX_{197}	18.3	X	10.83325	350.53461	347.54919	3.02026	0.2113380	0.28745501	2.2738203	21	11 7.8	20.3
533803 2014 OK_{198}	18.1	X	323.99201	38.93283	282.27107	1.70801	0.1852070	0.26577077	2.3958773	21	6 13.9	20.4
533804 2014 OR_{199}	15.8	X	103.59212	159.23114	110.69127	30.36901	0.2038456	0.17489387	3.1667928	21	11 25.7	21.4
533805 2014 OB_{200}	17.9	X	253.54830	287.33682	90.71402	5.67846	0.1788030	0.26523319	2.3991136	21	5 26.7	21.3
533806 2014 OR_{201}	18.3	X	279.90494	251.78115	147.74070	3.71909	0.1810536	0.28023575	2.3127056	21	7 27.9	20.8
533807 2014 OH_{203}	18.1	X	332.98677	84.03680	312.90400	6.52799	0.0915079	0.30407370	2.1901985	21	11 13.2	20.1
533808 2014 OP_{205}	18.1	X	318.37252	21.08821	0.53870	7.57697	0.2083977	0.28615786	2.2806865	21	9 11.6	19.6
533809 2014 OM_{208}	15.7	X	220.08598	218.03295	199.10680	2.16250	0.1982758	0.12277044	4.0093458	21	6 14.4	22.2
533810 2014 OU_{208}	18.5	X	3.96224	188.31251	129.93054	4.24208	0.0712170	0.28964117	2.2623642	21	9 8.2	20.7
533811 2014 OC_{212}	18.0	X	328.76667	188.56366	125.16398	7.48297	0.1812252	0.26981783	2.3718594	21	6 13.1	20.3
533812 2014 OB_{214}	18.3	X	267.64329	156.93723	225.76466	0.66433	0.1911409	0.27028270	2.3691390	21	6 15.7	21.3
533813 2014 OP_{219}	18.3	X	315.42913	301.46776	80.80854	3.72517	0.1338880	0.29116346	2.2544718	21	9 16.6	20.1
533814 2014 OE_{224}	18.9	X	262.71932	267.96906	315.21870	17.36236	0.0691812	0.36023418	1.9561978	21	—	—
533815 2014 ON_{225}	17.9	X	290.92808	307.70640	23.46302	3.81080	0.2020892	0.26098926	2.4250514	21	5 2.7	21.1
533816 2014 OC_{229}	18.1	X	273.41347	255.99781	146.60129	2.85571	0.2213155	0.26542720	2.3979443	21	7 16.2	21.0
533817 2014 OE_{230}	18.1	X	320.30659	227.79296	107.39260	2.43885	0.2003153	0.26636267	2.3923266	21	6 26.4	20.0
533818 2014 OL_{230}	18.2	X	290.60657	332.55693	22.34267	2.84932	0.2062098	0.26028336	2.4294340	21	6 4.1	21.4
533819 2014 OO_{230}	17.7	X	1.49167	347.26386	5.61205	7.43206	0.1111121	0.28781477	2.2719250	21	10 27.3	19.9
533820 2014 OA_{231}	17.8	X	246.90255	276.89663	144.10882	3.02757	0.1720902	0.26276591	2.4141080	21	7 16.3	21.1
533821 2014 OR_{232}	17.8	X	337.06645	292.36792	12.32134	3.41937	0.1872724	0.26387957	2.4073110	21	6 14.7	20.0
533822 2014 ON_{234}	17.4	X	239.50174	62.96270	310.57886	9.44810	0.1527323	0.25488638	2.4636082	21	5 4.4	21.4
533823 2014 OP_{240}	18.6	X	283.56911	84.80908	275.40827	0.38075	0.2024326	0.26859992	2.3790239	21	6 2.7	21.7
533824 2014 OZ_{242}	18.1	X	298.48465	236.34679	118.96843	4.61228	0.2303872	0.27215185	2.3582790	21	6 12.6	20.8
533825 2014 OR_{244}	18.3	X	17.92707	313.66397	346.22565	4.29526	0.1385397	0.29057440	2.2575176	21	9 11.7	20.3
533826 2014 OV_{254}	15.5	X	113.72433	165.66205	88.24929	13.87706	0.0510747	0.17032824	3.2231334	21	10 30.0	20.4
533827 2014 OU_{276}	18.6	X	5.24811	310.98196	45.58517	3.51973	0.1613544	0.29822163	2.2187581	21	11 20.8	20.6
533828 2014 OQ_{278}	18.1	X	281.10019	309.45995	84.73685	4.23529	0.1630221	0.27608043	2.3358537	21	7 26.0	20.7
533829 2014 OQ_{288}	18.0	X	320.97581	275.44504	89.44143	6.39638	0.2619747	0.27892081	2.3199686	21	8 10.1	19.4
533830 2014 OV_{288}	18.6	X	222.06319	296.49849	333.76084	17.86934	0.0757499	0.35507958	1.9750841	21	—	—
533831 2014 OY_{289}	18.9	X	325.46980	317.00579	66.01490	1.97638	0.2278383	0.28809573	2.2704477	21	10 3.1	19.8
533832 2014 OF_{293}	18.3	X	320.36246	104.86135	198.91633	2.96369	0.2340459	0.26109601	2.4243904	21	5 2.8	20.8
533833 2014 OH_{293}	17.7	X	2.40252	147.43835	199.16773	4.02976	0.1830707	0.28803477	2.2707681	21	11 1.5	19.6
533834 2014 ON_{294}	17.8	X	311.16525	50.21500	266.90093	0.53487	0.1832050	0.25908515	2.4369187	21	5 15.8	20.7
533835 2014 OR_{296}	18.0	X	243.69520	4.46114	353.10956	14.00086	0.2650442	0.24257214	2.5462953	21	4 10.4	22.5
533836 2014 OM_{297}	17.6	X	292.80621	1.99783	12.06695	6.71181	0.1786226	0.26573751	2.3960772	21	7 12.1	20.5
533837 2014 OJ_{299}	18.0	X	300.81876	78.40868	326.72637	5.22213	0.1078342	0.28037994	2.3119126	21	9 21.3	20.4
533838 2014 OK_{299}	18.0	X	295.86670	160.04929	199.59322	0.73872	0.2042344	0.26360059	2.4090092	21	6 19.5	20.7
533839 2014 OE_{307}	18.1	X	303.56418	299.08045	40.02309	3.31473	0.2028167	0.26340983	2.4101721	21	6 1.0	20.8
533840 2014 OH_{307}	18.2	X	275.34618	11.01686	4.58751	2.55177	0.1892174	0.26184961	2.4197366	21	6 15.8	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
533841 2014 OZ_{310}	18.2	X	65.54570	301.36779	314.82751	6.35456	0.0919847	0.29295979	2.2452465	21	9 14.2	20.8
533842 2014 OH_{314}	17.8	X	273.73264	262.26353	91.88303	8.49886	0.2747865	0.26238191	2.4164628	21	5 7.6	21.5
533843 2014 OW_{317}	18.5	X	275.97024	294.42543	81.56931	2.25966	0.1897373	0.26222586	2.4174214	21	6 17.2	21.5
533844 2014 ON_{326}	18.3	X	257.06319	93.42341	304.56522	6.66428	0.1163401	0.27427012	2.3461209	21	7 5.0	21.2
533845 2014 OA_{334}	16.8	X	330.89115	149.29130	121.23563	6.07631	0.0843387	0.24576518	2.5241925	21	4 30.4	19.8
533846 2014 OX_{334}	18.3	X	311.55239	4.34814	325.65884	2.83085	0.1790446	0.27115063	2.3640807	21	6 4.5	20.9
533847 2014 OF_{337}	17.5	X	300.46108	271.27922	140.89982	7.24813	0.1625372	0.28110003	2.3079627	21	9 29.3	19.5
533848 2014 OL_{337}	17.5	X	293.34578	272.31972	58.84376	3.52258	0.1973099	0.25494733	2.4632155	21	5 8.0	20.5
533849 2014 OH_{338}	17.0	X	225.31270	182.88181	200.46207	7.82251	0.3728685	0.23499079	2.6007713	21	4 29.1	21.9
533850 2014 OD_{339}	19.1	X	256.91169	56.98016	339.11668	7.37543	0.4575287	0.25223676	2.4808307	21	5 26.1	23.7
533851 2014 OP_{343}	17.9	X	287.72283	264.34701	110.91499	6.27980	0.2351911	0.27224433	2.3577449	21	6 24.7	20.9
533852 2014 OR_{343}	17.6	X	273.09543	359.28043	345.25228	2.04867	0.2099630	0.25874367	2.4390623	21	4 28.6	21.0
533853 2014 OW_{343}	17.8	X	260.47229	273.92192	82.00767	2.83638	0.1746121	0.25698760	2.4501609	21	5 5.7	21.5
533854 2014 OC_{352}	16.4	X	96.21665	126.62508	155.81253	4.25140	0.0595820	0.17050583	3.2208949	21	11 9.9	21.1
533855 2014 OT_{353}	17.9	X	324.54901	190.30016	137.01527	24.84570	0.1455947	0.27593044	2.3367001	21	7 3.4	20.6
533856 2014 OG_{357}	18.4	X	289.94821	215.99974	172.99503	2.35396	0.2173267	0.27819213	2.3240180	21	7 21.2	20.9
533857 2014 OA_{367}	18.2	X	326.19950	245.98980	134.29506	6.63447	0.2522160	0.28458357	2.2890898	21	9 29.9	19.2
533858 2014 OC_{367}	18.6	X	26.28205	28.71947	335.90188	6.84826	0.1371826	0.30673781	2.1774984	21	—	—
533859 2014 OC_{372}	17.6	X	251.89393	85.61729	274.40238	0.99414	0.2103397	0.25589895	2.4571050	21	4 27.8	21.3
533860 2014 OL_{375}	18.0	X	23.54565	162.00032	119.74207	1.02142	0.1857615	0.28551529	2.2841071	21	9 1.0	19.9
533861 2014 OY_{377}	17.5	X	246.77981	58.41556	307.95063	10.39193	0.2052846	0.25281231	2.4770641	21	4 27.4	21.6
533862 2014 OY_{378}	17.0	X	272.94174	35.98488	325.26694	14.19871	0.2173613	0.26045055	2.4283942	21	5 15.7	20.9
533863 2014 OP_{380}	16.5	X	115.84869	105.30573	148.78100	16.50095	0.2042416	0.17460750	3.1702544	21	11 12.1	22.0
533864 2014 ON_{381}	18.0	X	278.95518	207.05965	116.31411	2.40590	0.1910455	0.25461765	2.4653413	21	4 11.9	21.5
533865 2014 OS_{389}	18.0	X	273.31202	109.44154	115.93420	24.48079	0.0389393	0.36259946	1.9476815	21	—	—
533866 2014 OK_{391}	17.1	X	39.29498	188.75982	87.32103	6.60675	0.0888085	0.27497023	2.3421369	21	9 7.4	19.7
533867 2014 OY_{392}	17.6	X	6.87241	57.18121	255.36140	9.14732	0.1696476	0.28718483	2.2752461	21	9 6.8	19.7
533868 2014 OG_{394}	6.3	X	295.75855	359.23166	127.35758	4.40323	0.0476646	0.00408930	38.7290685	21	11 21.3	22.1
533869 2014 OX_{399}	17.0	X	14.16283	297.29030	312.25962	5.81833	0.0785626	0.26359547	2.4090405	21	6 8.6	19.6
533870 2014 OX_{400}	18.3	X	268.40952	218.71916	176.87997	2.09492	0.1169849	0.27314233	2.3525744	21	7 15.9	21.1
533871 2014 OG_{401}	18.0	X	224.99285	262.91705	182.45350	4.91418	0.1216325	0.27098470	2.3650457	21	7 29.3	21.4
533872 2014 OF_{402}	17.4	X	249.40368	207.60099	149.72047	15.58645	0.1431119	0.24514568	2.5284433	21	5 4.1	21.5
533873 2014 OH_{402}	18.3	X	119.65693	272.59278	271.21342	7.08030	0.0189757	0.28392742	2.2926152	21	8 4.7	21.1
533874 2014 OB_{404}	16.6	X	256.58007	317.92309	27.21206	32.18943	0.1491174	0.23582366	2.5946441	21	4 19.5	20.4
533875 2014 OE_{404}	17.9	X	239.30282	45.60576	352.20443	6.02738	0.1088757	0.26522280	2.3991762	21	6 12.6	21.4
533876 2014 OV_{404}	18.1	X	274.14179	185.64574	190.87237	6.38416	0.1275301	0.26172058	2.4205318	21	6 24.9	21.4
533877 2014 OW_{404}	17.2	X	71.88406	311.51932	132.10649	1.38723	0.0445004	0.20868115	2.8150140	21	1 25.3	21.0
533878 2014 OB_{407}	18.0	X	100.22199	89.68683	122.49719	8.07228	0.0409058	0.28290658	2.2981269	21	8 25.8	20.8
533879 2014 OT_{415}	18.3	X	244.64574	44.83970	24.04595	2.89932	0.1565752	0.27320218	2.3522309	21	7 27.9	21.5
533880 2014 OU_{415}	18.1	X	340.95958	172.06164	153.48373	8.52651	0.1194618	0.28017811	2.3130228	21	8 3.5	20.3
533881 2014 OW_{415}	17.6	X	12.07040	188.10814	125.23338	6.78830	0.1453508	0.27977699	2.3152331	21	9 24.7	19.7
533882 2014 PD_{2}	18.1	X	293.69065	255.48386	81.71033	2.73590	0.1826516	0.26759002	2.3850058	21	5 18.5	20.9
533883 2014 PZ_{6}	18.2	X	14.88928	11.35043	272.10083	5.55384	0.1712667	0.28266991	2.2994095	21	8 10.0	20.0
533884 2014 PP_{8}	18.1	X	306.45436	55.66133	291.81340	4.46533	0.1436565	0.27452179	2.3446868	21	6 29.5	20.5
533885 2014 PX_{9}	18.0	X	246.00348	273.23263	113.38158	3.31122	0.2031747	0.25865409	2.4396254	21	5 27.9	21.7
533886 2014 PK_{13}	18.6	X	342.14979	84.69451	294.87701	3.61724	0.1856304	0.29459786	2.2369159	21	11 10.3	20.2
533887 2014 PU_{14}	18.5	X	273.61907	212.25426	153.36476	2.95474	0.2365274	0.26215283	2.4178704	21	5 25.3	22.1
533888 2014 PD_{15}	18.2	X	258.61684	266.91555	140.84597	4.09586	0.1767010	0.27109538	2.3644019	21	7 11.3	21.4
533889 2014 PA_{16}	18.2	X	260.10776	253.77395	136.19727	4.24917	0.1068014	0.26801276	2.3824972	21	6 28.4	21.2
533890 2014 PX_{20}	18.3	X	253.18874	31.70577	3.10245	2.07311	0.1855480	0.26350973	2.4095630	21	6 16.3	21.7
533891 2014 PC_{21}	18.1	X	29.23215	188.13872	84.75946	2.13107	0.2146611	0.28366273	2.2940411	21	9 4.3	19.9
533892 2014 PK_{22}	18.4	X	284.94416	71.26574	326.66290	6.47129	0.2187407	0.27574581	2.3377430	21	7 28.0	20.9
533893 2014 PP_{25}	17.4	X	249.90659	290.99251	133.41279	7.13375	0.0880420	0.27616137	2.3353972	21	8 6.1	20.2
533894 2014 PM_{28}	18.1	X	16.47664	150.42872	118.39935	1.70054	0.1669876	0.27516621	2.3410246	21	7 20.9	19.9
533895 2014 PM_{32}	18.1	X	266.29300	305.33479	66.06185	3.04480	0.2191720	0.26009857	2.4305846	21	5 26.5	21.4
533896 2014 PE_{35}	18.0	X	6.31309	323.53633	320.72533	4.64789	0.1596967	0.27698289	2.3307772	21	7 23.6	19.8
533897 2014 PM_{35}	17.8	X	252.59993	53.38888	297.84046	1.42878	0.1691932	0.25103514	2.4887410	21	4 20.8	21.6
533898 2014 PW_{38}	17.5	X	356.94810	147.40920	131.29197	6.65467	0.2055101	0.26838632	2.3802860	21	6 18.9	19.1
533899 2014 PS_{39}	18.1	X	300.21525	85.65607	323.27222	6.40076	0.1845370	0.28419018	2.2912018	21	9 14.9	20.0
533900 2014 PC_{42}	17.4	X	302.02197	343.16506	329.02044	12.63490	0.1970631	0.25708735	2.4495271	21	4 16.1	20.8
533901 2014 PE_{42}	17.7	X	223.02362	60.64382	332.38223	17.66686	0.2582822	0.24579944	2.5239580	21	5 4.7	22.5
533902 2014 PS_{44}	17.9	X	289.11889	212.01008	148.92245	6.21557	0.1581802	0.27120986	2.3637365	21	6 19.2	20.8
533903 2014 PN_{47}	17.8	X	273.75250	31.48568	326.15242	2.05056	0.1659902	0.26050574	2.4280512	21	5 22.9	21.1
533904 2014 PG_{49}	18.1	X	312.31684	264.11181	70.90647	3.16334	0.2344575	0.26863492	2.3788172	21	6 3.9	20.6
533905 2014 PX_{49}	18.6	X	312.96423	3.07501	355.74857	2.66027	0.1148406	0.27828538	2.3234988	21	8 3.9	21.0
533906 2014 PZ_{50}	17.9	X	24.88620	284.73134	1.18710	5.44080	0.1518159	0.28251587	2.3002453	21	9 5.4	19.8
533907 2014 PW_{52}	17.7	X	242.23083	240.43293	147.01085	7.17626	0.2551287	0.25303739	2.4755949	21	5 22.7	21.9
533908 2014 PO_{55}	18.2	X	295.63873	196.32659	144.11483	3.13644	0.1846053	0.26259353	2.4151644	21	5 26.3	21.0
533909 2014 PV_{55}	18.2	X	321.72699	215.12872	110.69962	2.53097	0.1999352	0.26889501	2.3772830	21	6 14.2	20.5
533910 2014 PX_{55}	17.8	X	350.22673	313.92226	338.71200	5.08672	0.2655843	0.27274356	2.3548670	21	6 19.1	19.0
533911 2014 PM_{56}	17.8	X	275.34421	194.68229	154.66538	9.13412	0.1907604	0.25619249	2.4552277	21	5 13.8	21.4
533912 2014 PU_{57}	16.1	X	274.56339	52.57990	262.51301	28.20431	0.2654770	0.24045688	2.5612064	21	3 5.1	21.0
533913 2014 PO_{62}	17.7	X	282.54345	289.49986	81.61243	6.59016	0.2345048	0.27148283	2.3621518	21	6 11.8	20.8
533914 2014 PA_{63}	17.8	X	323.23113	215.29244	141.22860	2.60630	0.2254487	0.28131170	2.3068048	21	8 4.9	19.0
533915 2014 PN_{63}	18.4	X	327.98421	332.98971	330.99376	1.78274	0.2201127	0.26948680	2.3738014	21	5 18.1	20.4
533916 2014 PW_{63}	18.3	X	298.59039	359.08942	340.97045	3.12473	0.1438025	0.26760379	2.3849240	21	6 4.6	21.2
533917 2014 PA_{64}	18.3	X	286.69036	228.84762	137.48233	5.56872	0.1756522	0.26986607	2.3715768	21	6 20.5	21.2
533918 2014 PW_{65}	18.3	X	309.06510	137.49962	179.70782	1.60417	0.2310811	0.26559613	2.3969275	21	5 4.3	21.1
533919 2014 PY_{65}	17.9	X	296.53204	128.04028	264.92506	1.93644	0.2312416	0.28055261	2.3109640	21	8 5.2	19.9
533920 2014 PL_{66}	18.1	X	277.21992	104.19435	234.24592	2.97369	0.1646949	0.25864711	2.4396693	21	5 1.5	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
533921 2014 PC_{70}	17.4	X	304.21349	173.67981	153.08119	10.63421	0.1678687	0.26604210	2.3942480	21	5 24.3	20.4
533922 2014 PB_{72}	17.4	X	194.88618	151.34141	320.96588	7.92134	0.0727761	0.27927383	2.3180131	21	8 5.9	20.4
533923 2014 PW_{72}	17.8	X	90.82893	282.61576	316.37528	6.52410	0.0616345	0.28484014	2.2877150	21	9 18.7	20.7
533924 2014 PG_{74}	17.8	X	272.44666	282.42262	103.94911	7.13466	0.1400795	0.26093804	2.4253688	21	7 4.9	21.0
533925 2014 PK_{75}	17.9	X	207.04269	273.52394	103.49214	2.65857	0.0528483	0.24207695	2.5497666	21	4 14.7	21.5
533926 2014 PC_{78}	17.8	X	261.41257	338.85801	66.02865	7.19904	0.1314402	0.26235533	2.4166261	21	7 18.8	21.0
533927 2014 PK_{78}	16.7	X	312.35467	48.46236	271.62740	24.25710	0.2571117	0.27629303	2.3346553	21	5 3.0	20.0
533928 2014 PT_{78}	18.1	X	6.23102	114.66106	170.54647	3.23876	0.1668532	0.27888053	2.3201920	21	7 23.9	19.9
533929 2014 PG_{79}	18.4	X	350.21319	335.21941	322.62363	2.72034	0.1643170	0.27560021	2.3385663	21	7 7.4	20.0
533930 2014 PO_{79}	18.3	X	288.79353	223.91794	173.84913	2.82511	0.2340021	0.27774727	2.3264989	21	7 29.4	20.8
533931 2014 PN_{80}	18.3	X	290.58741	298.98355	102.43805	5.99277	0.1880974	0.28373970	2.2936262	21	8 18.8	20.6
533932 2014 PP_{80}	18.1	X	308.40014	274.66959	63.89456	2.99097	0.2185399	0.27085998	2.3657716	21	6 5.3	20.3
533933 2014 PJ_{82}	18.6	X	253.00053	6.35869	69.37511	2.70491	0.1476450	0.27650007	2.3334897	21	8 18.6	21.5
533934 2014 QT_{1}	18.0	X	331.97428	83.47186	275.19996	5.47865	0.1604074	0.28140890	2.3062736	21	9 3.9	19.8
533935 2014 QA_{4}	16.7	X	70.65792	181.54013	133.69109	25.51944	0.2318702	0.18141670	3.0904226	21	12 15.6	21.9
533936 2014 QP_{19}	17.6	X	283.19703	176.97116	181.39927	6.75117	0.1883241	0.26016132	2.4301938	21	6 3.2	20.9
533937 2014 QZ_{19}	17.9	X	230.70055	197.64288	215.88769	5.99558	0.1060044	0.25876902	2.4389030	21	6 24.6	21.5
533938 2014 QO_{22}	17.5	X	38.80390	54.46577	217.51988	5.68424	0.1006757	0.27942330	2.3171864	21	8 27.1	20.0
533939 2014 QV_{22}	18.1	X	327.22725	85.63181	216.45557	5.46975	0.1354791	0.26245432	2.4160184	21	5 29.8	20.5
533940 2014 QO_{23}	18.4	X	274.60337	120.76620	246.33891	3.31636	0.2197065	0.26079484	2.4262565	21	5 29.9	21.7
533941 2014 QO_{25}	17.9	X	331.31347	158.30278	229.54855	3.85676	0.2358775	0.28746945	2.2737441	21	10 28.6	18.9
533942 2014 QD_{26}	18.0	X	300.48308	136.54619	253.83571	2.83770	0.1247674	0.27845220	2.3225707	21	8 26.4	20.3
533943 2014 QV_{26}	17.9	X	347.35138	93.84637	267.03338	3.35352	0.1905460	0.28718978	2.2752200	21	10 20.1	19.5
533944 2014 QU_{27}	18.1	X	347.14069	208.08194	172.84839	7.22223	0.2048116	0.29221809	2.2490442	21	11 29.5	19.8
533945 2014 QS_{34}	18.3	X	321.12855	180.81569	168.43278	6.06761	0.1934739	0.28062894	2.3105449	21	7 21.8	20.3
533946 2014 QT_{34}	18.4	X	294.15249	231.46766	162.13009	5.79753	0.1784078	0.28470680	2.2884292	21	8 11.8	20.7
533947 2014 QL_{35}	18.3	X	275.93886	156.94420	189.62597	2.48621	0.1954905	0.26137868	2.4226422	21	5 7.5	21.5
533948 2014 QM_{36}	18.0	X	331.07738	37.49365	277.34291	1.64702	0.2089937	0.27398485	2.3477491	21	6 14.4	20.0
533949 2014 QT_{46}	18.8	X	307.78872	104.71506	249.36315	3.49580	0.2679170	0.27458115	2.3443488	21	6 18.8	21.0
533950 2014 QJ_{57}	18.0	X	246.29738	210.18934	206.91003	4.41244	0.2093541	0.27136092	2.3628592	21	7 5.7	21.5
533951 2014 QD_{60}	18.3	X	2.53698	25.22526	270.22930	2.80835	0.1471514	0.28064131	2.3104770	21	7 31.9	20.1
533952 2014 QJ_{93}	18.0	X	352.44912	105.16601	266.91238	5.75297	0.1800982	0.29616122	2.2290369	21	11 21.9	19.8
533953 2014 QW_{98}	18.6	X	247.52823	233.22114	190.62250	5.21283	0.0360254	0.27833129	2.3232433	21	8 8.4	21.5
533954 2014 QU_{108}	17.6	X	4.51696	90.25966	178.12118	10.79455	0.2447766	0.27496184	2.3421845	21	6 21.0	19.2
533955 2014 QX_{117}	17.5	X	87.35222	348.87073	223.53614	2.14810	0.1415568	0.27602646	2.3361581	21	8 20.1	20.6
533956 2014 QG_{127}	18.2	X	265.57690	89.50085	315.61671	5.84908	0.1126283	0.27004771	2.3705132	21	7 27.3	21.0
533957 2014 QQ_{128}	18.2	X	135.77713	26.20309	179.47356	2.52378	0.0489748	0.28817176	2.2700483	21	10 2.3	21.2
533958 2014 QU_{134}	17.5	X	251.56659	241.77155	138.88189	7.17985	0.1307787	0.25622955	2.4549910	21	6 3.4	21.1
533959 2014 QD_{135}	17.8	X	14.54473	235.17924	27.54768	3.76294	0.1053215	0.26599534	2.3945286	21	7 1.9	20.2
533960 2014 QS_{135}	18.1	X	203.33327	96.47720	355.07571	8.59086	0.1490869	0.26109540	2.4243942	21	7 15.3	21.9
533961 2014 QU_{135}	18.6	X	237.47129	303.14314	141.58417	1.52652	0.1569811	0.27116383	2.3640040	21	8 9.1	21.9
533962 2014 QD_{141}	18.5	X	304.00043	342.93903	4.06814	4.91323	0.1687968	0.26599418	2.3945356	21	6 19.9	21.2
533963 2014 QJ_{143}	18.0	X	272.68190	281.27903	129.48895	5.47411	0.1317739	0.27397503	2.3478052	21	8 11.7	20.8
533964 2014 QX_{147}	18.3	X	321.75607	23.88342	3.23501	3.02527	0.2573235	0.28303776	2.2974168	21	9 23.7	19.0
533965 2014 QE_{149}	18.2	X	280.22812	47.80630	21.40194	5.32508	0.2074548	0.28020502	2.3128747	21	9 8.9	20.6
533966 2014 QW_{151}	16.9	X	197.02061	346.98074	104.86339	10.74143	0.1743782	0.24845443	2.5059451	21	7 6.4	20.8
533967 2014 QV_{168}	17.6	X	358.35202	213.73487	157.85893	10.64619	0.3949931	0.28935687	2.2638459	21	—	—
533968 2014 QD_{171}	17.6	X	232.20358	245.82268	174.97538	7.46747	0.0769046	0.26317560	2.4116020	21	7 8.9	21.0
533969 2014 QL_{172}	18.0	X	301.27702	339.50762	345.06477	1.20711	0.1810978	0.26055364	2.4277537	21	5 11.3	20.9
533970 2014 QS_{172}	18.3	X	341.40840	324.11981	351.09756	1.05737	0.2088337	0.27399659	2.3476821	21	7 12.0	19.8
533971 2014 QH_{176}	18.4	X	312.36625	34.20261	350.19301	2.41473	0.2053191	0.27933246	2.3176887	21	8 30.7	20.1
533972 2014 QF_{177}	18.0	X	314.65180	200.71230	101.39249	2.61580	0.1878701	0.25762215	2.4461359	21	4 30.1	20.7
533973 2014 QF_{181}	18.7	X	316.35863	144.94191	189.88780	5.87845	0.1715738	0.27119499	2.3638229	21	6 22.7	21.2
533974 2014 QR_{186}	17.9	X	2.39163	28.92404	294.50985	6.38868	0.1181018	0.28525976	2.2854709	21	9 11.6	20.1
533975 2014 QN_{193}	18.1	X	267.36986	209.25782	169.64456	7.00655	0.2820483	0.26094379	2.4253332	21	5 31.4	21.9
533976 2014 QK_{213}	18.3	X	290.19925	189.60625	155.74323	1.41692	0.2103607	0.26187544	2.4195775	21	5 21.2	21.3
533977 2014 QA_{214}	18.3	X	333.79063	42.02829	265.00112	2.50178	0.1372811	0.26773428	2.3841490	21	6 18.3	20.4
533978 2014 QT_{221}	18.0	X	7.58625	37.97924	253.89528	3.59258	0.2267987	0.27947732	2.3168878	21	8 13.3	19.5
533979 2014 QR_{230}	18.7	X	323.19644	273.13590	166.19867	4.64567	0.0585090	0.30875795	2.1679901	21	12 31.9	21.0
533980 2014 QT_{231}	18.4	X	219.56262	128.09208	344.53951	4.22583	0.0966632	0.27937542	2.3174511	21	9 3.1	21.2
533981 2014 QG_{233}	18.1	X	292.78185	347.30005	353.07556	4.80603	0.2320460	0.26091760	2.4254954	21	5 12.2	21.3
533982 2014 QQ_{239}	17.9	X	290.80111	167.77493	167.64440	5.01963	0.1680123	0.25901946	2.4373306	21	5 15.9	21.1
533983 2014 QZ_{239}	17.1	X	319.45034	19.65095	336.97441	7.82363	0.0945596	0.27592984	2.3367035	21	8 15.4	19.3
533984 2014 QG_{241}	17.8	X	13.08182	118.23881	148.16570	6.51822	0.1140653	0.26570509	2.3962721	21	7 4.6	20.2
533985 2014 QT_{241}	18.1	X	230.11222	318.77352	105.18632	6.27888	0.1724439	0.25926378	2.4357992	21	7 2.3	21.8
533986 2014 QN_{242}	17.9	X	349.39958	325.24227	48.58059	5.25147	0.1360064	0.29210128	2.2496437	21	11 12.1	19.4
533987 2014 QZ_{243}	17.9	X	346.04144	276.73720	98.38958	5.77972	0.1435723	0.29102692	2.2551769	21	11 10.2	19.8
533988 2014 QA_{245}	17.6	X	329.30070	335.60744	38.83359	7.93649	0.2397193	0.28310746	2.2970397	21	9 29.5	18.7
533989 2014 QM_{253}	17.9	X	315.51164	223.75607	101.47239	7.31726	0.1197643	0.26201387	2.4187252	21	6 15.6	20.4
533990 2014 QX_{266}	22.2	X	80.55259	262.90935	355.87913	2.82261	0.2233615	0.58786413	1.4112959	21	12 4.1	23.1
533991 2014 QG_{267}	16.8	X	196.81167	228.16184	175.17383	32.14403	0.2320355	0.23399777	2.6081240	21	5 8.9	21.8
533992 2014 QL_{267}	18.0	X	324.23727	238.23371	129.90415	6.20512	0.2490906	0.27503225	2.3417847	21	8 26.6	19.2
533993 2014 QW_{268}	19.1	X	337.21486	227.41740	182.10254	3.76880	0.1414415	0.30372549	2.1918722	21	12 18.2	20.8
533994 2014 QX_{269}	17.5	X	290.13783	209.77193	126.08722	6.11286	0.1972172	0.25668254	2.4521018	21	5 12.2	20.8
533995 2014 QS_{274}	16.9	X	252.46052	261.27417	56.65331	13.00936	0.2855596	0.23309380	2.6148628	21	3 11.6	21.7
533996 2014 QC_{275}	18.5	X	285.54154	11.46582	356.53527	4.92875	0.2439529	0.26283669	2.4136746	21	6 9.5	21.7
533997 2014 QK_{280}	18.1	X	288.17651	39.10229	330.59249	9.46953	0.1284411	0.27353532	2.3503206	21	7 7.3	20.9
533998 2014 QQ_{280}	18.3	X	306.14877	238.60582	143.88081	7.32310	0.1188042	0.28466373	2.2886601	21	8 28.5	20.3
533999 2014 QA_{281}	18.3	X	316.12375	194.67008	127.51655	6.64560	0.1853477	0.26886880	2.3774375	21	6 1.6	20.8
534000 2014 QM_{281}	16.7	X	223.93647	345.59500	21.13473	15.27003	0.2949658	0.23410067	2.6073597	21	4 10.5	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534001 2014 QV_{285}	17.5	X	343.61164	262.17629	40.67116	12.82088	0.2211742	0.27278769	2.3546130	21	6 22.4	19.4
534002 2014 QA_{295}	17.7	X	348.82979	257.74707	75.89947	13.60145	0.1174906	0.27916087	2.3186384	21	9 13.1	20.3
534003 2014 QB_{300}	18.3	X	328.22755	256.13934	67.65125	2.27691	0.2006568	0.26891185	2.3771837	21	6 24.7	20.4
534004 2014 QC_{301}	17.6	X	259.79852	331.89200	72.14694	3.87858	0.1709082	0.26314693	2.4117772	21	7 8.9	20.8
534005 2014 QJ_{307}	18.0	X	305.61158	292.69878	51.09876	3.14313	0.2022692	0.26420855	2.4053123	21	6 11.7	20.6
534006 2014 QZ_{307}	18.1	X	275.35356	253.51482	142.15654	2.91957	0.2211609	0.26403605	2.4063598	21	7 9.0	21.2
534007 2014 QF_{309}	17.9	X	337.99153	31.92627	340.58104	9.99084	0.2075719	0.28516519	2.2859762	21	10 12.8	19.6
534008 2014 QC_{311}	17.4	X	270.61477	4.89796	352.90278	12.46746	0.2080154	0.25422948	2.4678501	21	5 9.8	21.2
534009 2014 QC_{313}	18.6	X	261.93327	109.68302	264.25043	1.74632	0.2019753	0.26358217	2.4091214	21	5 26.9	21.9
534010 2014 QF_{323}	18.1	X	346.84998	146.06679	152.29650	4.22595	0.1683567	0.26489562	2.4011513	21	6 29.3	20.0
534011 2014 QE_{326}	18.2	X	304.97260	212.40972	154.58562	4.97133	0.2074178	0.26788033	2.3832824	21	7 14.9	20.8
534012 2014 QL_{326}	17.9	X	239.50253	251.19356	125.78920	3.18276	0.2251045	0.24409462	2.5356963	21	5 8.9	22.0
534013 2014 QM_{328}	18.2	X	297.80244	31.14416	15.79090	10.88176	0.2493395	0.27376287	2.3490180	21	9 1.2	20.5
534014 2014 QS_{329}	17.8	X	313.51509	261.05488	100.71494	7.01780	0.1389256	0.26814447	2.3817170	21	8 6.1	20.0
534015 2014 QH_{330}	17.4	X	229.08889	239.92023	130.16102	7.56169	0.1911681	0.23718648	2.5846958	21	4 25.7	21.8
534016 2014 QX_{330}	18.1	X	330.41690	251.59254	130.46807	4.61982	0.1287189	0.28132630	2.3067250	21	10 16.6	20.0
534017 2014 QD_{331}	18.2	X	284.96550	259.58461	111.74902	4.17201	0.1970005	0.25992296	2.4316793	21	6 21.7	21.3
534018 2014 QH_{331}	17.6	X	259.55649	350.87379	21.80298	9.76086	0.2047487	0.25099982	2.4889745	21	5 20.7	21.4
534019 2014 QC_{338}	18.2	X	298.12078	205.01565	159.13444	8.87143	0.2398912	0.27242285	2.3567148	21	6 23.4	21.1
534020 2014 QR_{339}	17.7	X	39.31753	96.83449	192.47282	2.35362	0.1508648	0.29191219	2.2506151	21	10 5.9	19.9
534021 2014 QG_{340}	18.3	X	278.65184	230.41333	172.02051	3.17129	0.1753519	0.27745277	2.3281449	21	7 30.9	21.0
534022 2014 QK_{342}	19.0	X	314.50077	2.43413	354.52986	1.11221	0.2076005	0.27701185	2.3306147	21	7 19.1	20.9
534023 2014 QD_{350}	18.0	X	228.99439	279.50271	124.73463	3.37826	0.0646062	0.25443616	2.4665135	21	6 14.5	21.5
534024 2014 QH_{350}	18.5	X	300.00290	15.70138	31.25699	2.85842	0.2072362	0.27926437	2.3180655	21	9 10.5	20.5
534025 2014 QC_{352}	18.2	X	270.12653	271.50698	121.24112	3.68013	0.1814046	0.26289508	2.4133172	21	7 4.3	21.5
534026 2014 QN_{354}	17.5	X	226.40140	78.26856	353.01103	6.43362	0.0872930	0.26172887	2.4204807	21	7 17.8	20.9
534027 2014 QH_{357}	17.5	X	242.10455	355.48968	48.54083	2.62850	0.1914858	0.25449121	2.4661578	21	6 16.4	21.1
534028 2014 QP_{361}	16.8	X	9.36590	214.70161	6.10289	12.60215	0.1167681	0.23883601	2.5727811	21	4 16.2	19.5
534029 2014 QX_{361}	17.8	X	293.11983	176.04905	174.72471	12.06798	0.2619250	0.26341754	2.4101252	21	5 26.3	21.1
534030 2014 QJ_{366}	18.2	X	277.13797	311.88606	119.70933	6.42686	0.1978042	0.27265212	2.3553934	21	9 8.8	20.8
534031 2014 QS_{366}	18.0	X	262.53611	310.69901	84.21255	3.41645	0.1934845	0.25648727	2.4533462	21	6 26.4	21.2
534032 2014 QY_{366}	17.5	X	6.92145	292.50238	64.02264	7.36053	0.1393702	0.28786708	2.2716498	21	11 18.5	19.6
534033 2014 QE_{367}	17.8	X	220.73611	259.57006	135.17057	5.20544	0.2170642	0.23912273	2.5707241	21	5 16.2	22.1
534034 2014 QG_{371}	18.0	X	233.64338	359.80383	23.66584	3.24221	0.1887999	0.24715597	2.5147142	21	5 12.4	22.0
534035 2014 QT_{373}	17.9	X	340.95361	332.37642	46.12617	4.26468	0.1363681	0.28789084	2.2715248	21	11 1.5	19.8
534036 2014 QA_{374}	17.2	X	238.05665	18.78156	11.64137	5.68150	0.1847328	0.25123903	2.4873943	21	5 25.0	21.2
534037 2014 QR_{375}	18.2	X	266.34308	42.75026	350.33574	5.17082	0.2011172	0.26164118	2.4210215	21	6 27.7	21.5
534038 2014 QB_{380}	18.1	X	320.07356	127.38854	188.31951	6.15649	0.2155089	0.26248647	2.4158211	21	5 24.5	20.6
534039 2014 QR_{380}	18.1	X	337.01655	322.63376	340.48350	7.52252	0.2067018	0.26510614	2.3998800	21	6 8.2	20.2
534040 2014 QX_{382}	18.4	X	330.42260	280.34828	36.60272	5.13327	0.2425150	0.27120019	2.3637927	21	6 9.9	20.2
534041 2014 QP_{386}	17.0	X	201.01271	75.31688	316.10248	10.69304	0.2010532	0.23198480	2.6231897	21	4 19.6	21.6
534042 2014 QX_{388}	17.6	X	221.78854	57.18281	329.47002	11.24550	0.2058698	0.24100888	2.5572941	21	4 30.9	22.1
534043 2014 QF_{389}	17.9	X	263.62668	116.26355	254.97778	1.02176	0.1978073	0.25891301	2.4379987	21	5 25.9	21.6
534044 2014 QM_{392}	17.0	X	340.35482	1.48558	295.47274	11.73480	0.2105570	0.26873631	2.3782188	21	6 5.5	19.0
534045 2014 QE_{393}	18.2	X	310.61901	334.15168	9.01971	1.37052	0.2006501	0.26699410	2.3885533	21	6 19.9	20.6
534046 2014 QH_{398}	18.0	X	285.14890	214.25575	159.26090	3.80122	0.2009773	0.26322295	2.4113128	21	6 24.3	21.1
534047 2014 QJ_{400}	18.3	X	338.83185	347.95521	29.33788	2.50261	0.2179003	0.28593833	2.2818537	21	10 30.3	19.5
534048 2014 QY_{404}	17.0	X	325.20411	7.17102	292.85133	9.72933	0.2478845	0.26257585	2.4152728	21	4 28.1	19.7
534049 2014 QA_{406}	18.4	X	308.12592	159.62947	216.38814	3.75184	0.1283317	0.27736576	2.3286318	21	8 17.2	20.7
534050 2014 QR_{407}	18.7	X	305.82549	51.19847	359.45350	6.47496	0.1994417	0.28234040	2.3011982	21	9 29.4	20.4
534051 2014 QB_{408}	17.5	X	292.02160	172.45939	190.44710	3.69903	0.2090358	0.26287430	2.4134444	21	6 17.7	20.3
534052 2014 QJ_{408}	16.8	X	235.87814	65.75974	277.43099	11.20114	0.1966294	0.23605304	2.5929630	21	3 20.1	21.3
534053 2014 QX_{408}	17.6	X	264.23232	168.18611	189.15179	2.29411	0.0600378	0.23937890	2.5688898	21	5 27.5	20.9
534054 2014 QW_{410}	18.0	X	353.23472	336.30102	9.46693	6.83856	0.1776486	0.28492485	2.2872616	21	10 7.9	19.6
534055 2014 QG_{413}	18.0	X	258.39450	80.14148	301.92667	3.68708	0.1983489	0.25969400	2.4331083	21	6 3.2	21.7
534056 2014 QP_{414}	17.6	X	297.48096	334.79996	345.57367	8.60832	0.1776174	0.25884639	2.4384170	21	4 27.3	20.8
534057 2014 QP_{415}	17.3	X	7.32851	265.39755	340.16933	14.24818	0.0698775	0.25889580	2.4381067	21	5 16.2	20.4
534058 2014 QE_{420}	18.3	X	293.28286	324.22846	20.64708	1.75551	0.2043832	0.26058939	2.4275316	21	5 24.9	21.4
534059 2014 QF_{420}	18.2	X	326.25702	162.38279	150.88367	4.65427	0.1099818	0.26275559	2.4141712	21	6 17.7	20.7
534060 2014 QR_{420}	17.6	X	6.66616	275.51719	41.45239	6.80059	0.1203508	0.28031693	2.3122591	21	9 17.1	19.8
534061 2014 QY_{420}	18.0	X	274.70386	342.68480	83.05534	6.25655	0.1130229	0.27842363	2.3227296	21	9 12.9	20.7
534062 2014 QB_{421}	17.3	X	265.00248	245.19927	159.66280	6.95614	0.0944917	0.26134066	2.4228771	21	7 27.2	20.4
534063 2014 QH_{423}	17.8	X	328.90167	204.36991	89.35412	3.66692	0.1356147	0.26234186	2.4167088	21	5 20.1	20.2
534064 2014 QU_{426}	18.2	X	296.81231	139.87245	220.29396	5.51750	0.1478706	0.26405752	2.4062294	21	7 1.0	21.0
534065 2014 QG_{432}	18.1	X	358.52371	172.40218	187.99877	7.39817	0.1721153	0.28281823	2.2986055	21	11 13.5	20.1
534066 2014 QQ_{437}	17.2	X	183.39935	219.77721	184.16672	18.97482	0.2028859	0.22123178	2.7075160	21	4 28.5	21.9
534067 2014 QW_{437}	17.3	X	272.48454	257.28660	116.19781	8.07963	0.1180392	0.24691404	2.5163566	21	6 20.8	20.7
534068 2014 QB_{438}	18.1	X	3.35540	222.02852	147.09767	7.33405	0.1275120	0.28297655	2.2977481	21	11 29.4	20.5
534069 2014 QD_{438}	17.5	X	300.10208	288.49839	86.25327	8.17674	0.1299704	0.25880377	2.4386847	21	8 3.1	20.2
534070 2014 QO_{438}	17.3	X	204.01564	349.27365	64.63519	8.13333	0.2575877	0.23157625	2.6262740	21	5 23.9	22.0
534071 2014 QX_{438}	16.4	X	331.25304	215.76022	67.61411	14.83314	0.0550851	0.23383290	2.6093498	21	5 21.9	19.6
534072 2014 QA_{439}	17.9	X	232.95194	340.09802	77.46062	7.24717	0.2089217	0.24435654	2.5338841	21	6 23.7	22.0
534073 2014 QL_{441}	6.6	X	18.81603	290.25828	75.77008	26.29660	0.2656465	0.00287132	49.0247072	21	11 9.5	22.3
534074 2014 QZ_{441}	5.9	X	245.57914	173.84872	335.01885	6.53202	0.0762571	0.00356691	42.4236272	21	10 18.4	22.3
534075 2014 QN_{447}	17.4	X	107.29256	57.20103	152.96170	7.66478	0.0488217	0.27065096	2.3669895	21	8 31.2	20.4
534076 2014 QV_{447}	18.2	X	240.15554	318.14086	122.15763	7.25826	0.0931374	0.27148060	2.3621647	21	8 15.7	21.2
534077 2014 QW_{447}	18.0	X	260.89743	251.06523	168.99799	6.58559	0.1081255	0.26995583	2.3710511	21	8 10.2	21.0
534078 2014 QB_{449}	17.6	X	296.88065	295.12844	135.88494	5.99007	0.0595751	0.28366638	2.2940215	21	11 3.2	20.1
534079 2014 QP_{449}	16.7	X	218.36985	302.67078	109.11155	15.36227	0.0688093	0.24418451	2.5350740	21	6 13.2	20.4
534080 2014 QY_{449}	17.6	X	210.93298	322.34407	95.79309	4.47329	0.1242202	0.24441277	2.5334954	21	6 8.5	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534081 2014 QM_{450}	17.7	X	290.13089	220.62115	99.66664	7.91475	0.1705750	0.24156460	2.5533706	21	4 27.5	21.2
534082 2014 QQ_{450}	18.1	X	269.56424	212.70651	184.77316	6.13138	0.1025166	0.27400787	2.3476176	21	7 21.7	21.1
534083 2014 QS_{451}	18.1	X	223.26514	86.74373	341.43467	5.17653	0.1002601	0.26157813	2.4214105	21	7 7.7	21.5
534084 2014 QV_{451}	17.1	X	243.98547	326.85864	76.67399	7.40561	0.1515200	0.25440839	2.4666930	21	6 21.8	20.7
534085 2014 QE_{452}	17.2	X	247.67765	214.82476	156.44957	15.61009	0.1458061	0.24255286	2.5464302	21	5 19.3	21.3
534086 2014 QJ_{452}	18.2	X	249.34806	346.11263	50.48472	2.88920	0.1060472	0.25685496	2.4510043	21	6 24.2	21.6
534087 2014 QM_{454}	17.6	X	243.99301	0.12813	31.75816	5.84650	0.1175650	0.25706942	2.4496410	21	6 9.2	21.1
534088 2014 QT_{454}	17.8	X	138.71514	354.43374	194.36397	5.50211	0.0595848	0.28015716	2.3131381	21	9 10.8	21.0
534089 2014 QJ_{455}	17.2	X	258.57545	277.26403	80.09186	15.71982	0.1672270	0.24419479	2.5350028	21	5 10.8	21.1
534090 2014 QP_{456}	17.5	X	162.80920	243.93137	249.85794	6.21029	0.0146425	0.26802542	2.3824222	21	7 23.6	20.7
534091 2014 QU_{456}	18.4	X	276.71691	280.80309	143.91805	6.83815	0.0893185	0.28313784	2.2968754	21	9 17.1	20.9
534092 2014 QR_{457}	17.9	X	57.35128	286.79220	331.67726	6.47908	0.0814693	0.27672488	2.3322257	21	9 3.9	20.4
534093 2014 QZ_{457}	17.6	X	280.52785	249.25807	91.60821	0.64563	0.1057314	0.24285079	2.5443472	21	5 19.1	20.8
534094 2014 QE_{458}	17.9	X	340.59885	0.91711	298.84993	2.08202	0.0800429	0.26284069	2.4136501	21	6 25.9	20.2
534095 2014 QP_{458}	18.3	X	251.62872	205.03750	178.28000	10.26706	0.1518947	0.25569033	2.4584413	21	6 4.6	22.1
534096 2014 QM_{461}	17.6	X	320.52013	233.59904	81.52805	4.39576	0.1439163	0.26054386	2.4278144	21	6 4.9	20.2
534097 2014 QD_{466}	17.8	X	272.39558	225.57019	152.63424	5.02797	0.1156834	0.25879050	2.4387680	21	6 27.0	20.9
534098 2014 QB_{467}	17.5	X	210.65590	300.44391	131.06116	9.02680	0.1543249	0.24628126	2.5206651	21	6 24.3	21.6
534099 2014 QD_{468}	17.9	X	258.90543	249.07830	163.73442	5.18522	0.0780888	0.26863078	2.3788416	21	8 2.1	21.0
534100 2014 QF_{468}	18.2	X	220.17255	220.15073	205.57888	3.25715	0.0439910	0.25930502	2.4355410	21	7 4.4	21.5
534101 2014 QS_{470}	17.9	X	248.17838	34.34641	339.61169	14.08210	0.1460594	0.24711476	2.5149938	21	5 13.6	22.0
534102 2014 QU_{470}	16.9	X	52.11968	177.47739	82.87914	8.88625	0.0947505	0.27996725	2.3141840	21	9 7.3	19.7
534103 2014 QZ_{471}	17.8	X	245.80971	261.65048	124.65531	7.16201	0.1675554	0.24532826	2.5271887	21	6 1.0	21.7
534104 2014 QD_{472}	17.4	X	213.73929	266.41498	141.74166	15.03607	0.1088052	0.23916182	2.5704440	21	6 2.4	21.6
534105 2014 QP_{473}	17.5	X	185.35685	255.29327	187.29939	14.54262	0.0672766	0.23892859	2.5721165	21	6 14.4	21.5
534106 2014 QR_{473}	17.4	X	263.13392	350.19518	84.82889	7.12762	0.0845671	0.26774264	2.3840994	21	9 13.1	20.4
534107 2014 QC_{474}	17.3	X	239.89635	164.65121	195.72819	11.53580	0.1673416	0.23254389	2.6189835	21	4 23.2	21.4
534108 2014 QV_{475}	17.5	X	282.55309	213.98099	147.88053	6.65070	0.1231273	0.26957314	2.3732945	21	6 17.0	20.4
534109 2014 QD_{476}	18.3	X	118.70432	316.27074	322.69637	7.52807	0.0677349	0.31083024	2.1583434	21	12 24.5	21.1
534110 2014 QS_{476}	16.9	X	239.85932	301.10984	104.88719	15.28504	0.0575418	0.25821267	2.4424050	21	7 1.5	20.1
534111 2014 QK_{477}	17.8	X	23.46714	332.29586	292.71472	5.12069	0.1428682	0.27658077	2.3330357	21	7 26.8	19.7
534112 2014 QF_{478}	17.5	X	242.68086	234.52284	100.33033	1.98963	0.0808577	0.24129698	2.5552582	21	3 30.4	21.1
534113 2014 QE_{481}	18.0	X	245.63420	320.94063	139.02969	2.90107	0.1714260	0.28181157	2.3040762	21	9 8.5	20.9
534114 2014 QT_{482}	18.2	X	241.02062	71.51002	356.52738	7.72964	0.0924061	0.26951294	2.3736479	21	8 1.2	21.4
534115 2014 QV_{482}	17.6	X	260.15365	256.75225	131.23884	3.14367	0.1961213	0.26021300	2.4298719	21	6 14.0	21.2
534116 2014 QV_{484}	18.2	X	294.93753	10.84369	39.13359	4.03977	0.1328215	0.28268735	2.2993150	21	9 18.8	20.4
534117 2014 QW_{484}	18.1	X	325.55623	201.46888	112.48815	3.57606	0.2181778	0.26663698	2.3906856	21	5 31.2	20.2
534118 2014 QA_{485}	17.5	X	225.52179	130.84564	313.91785	8.40085	0.1097899	0.27050469	2.3678427	21	7 31.9	20.8
534119 2014 QA_{486}	17.5	X	9.31593	239.32824	26.69121	6.68485	0.1233843	0.26381634	2.4076957	21	6 27.2	19.8
534120 2014 QO_{486}	18.0	X	122.50083	227.22490	36.71837	6.57014	0.1382118	0.30682482	2.1770867	21	12 8.2	21.2
534121 2014 QQ_{487}	17.8	X	355.37185	36.76740	303.91140	5.33500	0.0904118	0.28754955	2.2733218	21	9 24.1	20.0
534122 2014 QU_{488}	18.4	X	251.10153	23.38600	32.31155	2.07426	0.1728120	0.26711843	2.3878121	21	7 14.6	21.8
534123 2014 QA_{489}	18.5	X	251.59535	199.18233	195.82296	1.01578	0.1873368	0.25947517	2.4344761	21	6 14.9	22.2
534124 2014 QN_{489}	17.9	X	215.71785	13.50153	66.38249	2.27686	0.1646607	0.26085309	2.4258953	21	7 9.6	21.6
534125 2014 QS_{489}	18.0	X	289.82323	199.58147	128.22608	2.46849	0.1907028	0.25645432	2.4535563	21	4 30.5	21.2
534126 2014 QG_{492}	17.7	X	256.06014	293.66336	86.03266	3.67371	0.1750678	0.25794238	2.4441109	21	5 31.9	21.2
534127 2014 QK_{493}	18.0	X	340.80889	290.43197	72.02976	3.50034	0.1925615	0.28580681	2.2825537	21	10 9.9	19.4
534128 2014 QW_{494}	17.5	X	49.15414	51.38897	217.76087	6.90001	0.0869777	0.27698296	2.3307768	21	9 5.8	20.2
534129 2014 QA_{495}	18.5	X	260.31111	74.71383	353.15370	3.00123	0.1813934	0.27479069	2.3431569	21	8 11.4	21.5
534130 2014 QJ_{495}	17.4	X	294.53189	209.20318	93.05923	6.23153	0.2603844	0.24237988	2.5476416	21	3 27.4	21.1
534131 2014 QM_{495}	18.1	X	307.95413	278.61463	45.37883	3.82495	0.1388209	0.26092181	2.4254693	21	5 28.0	20.7
534132 2014 QN_{495}	17.5	X	358.75803	140.60635	156.82184	7.66546	0.1351994	0.26549610	2.3975295	21	7 25.1	19.6
534133 2014 QS_{495}	17.8	X	335.49023	251.04140	89.51711	6.47764	0.1270237	0.27349502	2.3505515	21	8 19.9	19.9
534134 2014 RW_{4}	18.1	X	308.22183	254.48513	92.44823	4.96572	0.1817979	0.26936437	2.3745206	21	6 24.9	20.7
534135 2014 RJ_{12}	17.5	X	218.26577	122.45665	268.30103	17.37188	0.3497244	0.23860755	2.5744231	21	4 29.9	22.6
534136 2014 RA_{13}	17.0	X	258.62788	305.79267	42.94904	31.97981	0.2771448	0.23918350	2.5702887	21	4 22.4	21.4
534137 2014 RG_{16}	17.3	X	259.94166	164.79530	207.68821	6.21603	0.1096528	0.25881651	2.4386046	21	6 4.1	20.7
534138 2014 RO_{16}	18.2	X	344.98042	55.95167	335.31904	4.35158	0.2369113	0.29040524	2.2583942	21	12 13.9	19.7
534139 2014 RH_{18}	17.0	X	323.86267	25.27594	350.09886	31.38126	0.2113247	0.27738062	2.3285486	21	9 12.3	18.6
534140 2014 RR_{18}	15.6	X	35.11336	284.38911	110.36106	26.55832	0.2758111	0.17425367	3.1745446	21	—	—
534141 2014 RL_{19}	17.3	X	248.90604	320.44552	16.05474	4.20185	0.1683659	0.23584342	2.5944992	21	3 31.8	21.3
534142 2014 RB_{20}	18.5	X	300.78264	197.55158	160.58908	1.77129	0.2077324	0.26917989	2.3756054	21	6 24.4	21.2
534143 2014 RE_{23}	18.1	X	324.19304	262.66006	72.70503	7.54537	0.1430836	0.27352560	2.3503763	21	7 14.9	20.4
534144 2014 RZ_{32}	17.6	X	285.80517	222.00015	109.45928	4.28738	0.2465090	0.25666644	2.4522043	21	4 23.7	21.1
534145 2014 RX_{35}	17.7	X	306.08112	211.02697	128.77231	7.54088	0.0524048	0.26341785	2.4101232	21	7 1.8	20.6
534146 2014 RB_{36}	17.4	X	77.30164	210.29275	47.99249	6.22582	0.1391410	0.28913381	2.2650100	21	10 13.9	20.3
534147 2014 RE_{39}	17.9	X	251.31428	226.92065	160.70419	2.39295	0.1731301	0.25615727	2.4554528	21	6 6.6	21.4
534148 2014 RN_{39}	18.1	X	270.22603	18.50081	11.65180	6.23628	0.1653106	0.26433953	2.4045177	21	7 4.2	21.4
534149 2014 RX_{39}	18.6	X	317.04034	172.61440	165.78608	1.52223	0.2098532	0.26989106	2.3714304	21	6 23.0	20.8
534150 2014 RQ_{40}	17.5	X	332.29797	299.30627	45.56328	10.18336	0.1263650	0.27673995	2.3321411	21	8 24.3	19.9
534151 2014 RK_{41}	17.5	X	244.89121	80.26917	15.17315	6.62254	0.0864629	0.27930813	2.3178233	21	9 14.9	20.3
534152 2014 RU_{41}	18.2	X	335.44734	223.12855	99.90151	3.18563	0.1754621	0.26976897	2.3721459	21	7 14.1	20.2
534153 2014 RG_{47}	17.9	X	312.36402	305.91271	15.31439	2.77350	0.2002499	0.25884239	2.4384421	21	5 20.3	20.5
534154 2014 RB_{48}	18.0	X	290.86773	307.92260	32.26306	3.20171	0.1899220	0.25574612	2.4580838	21	5 17.5	21.0
534155 2014 RD_{49}	18.0	X	276.63387	210.70088	184.82334	5.87221	0.1354546	0.26452150	2.4034148	21	7 23.4	21.1
534156 2014 RE_{49}	17.9	X	289.22004	320.92860	38.07188	1.64641	0.1948759	0.25953901	2.4340768	21	6 10.2	20.9
534157 2014 RV_{49}	18.5	X	295.80958	15.54585	341.80871	2.09420	0.2096024	0.26181896	2.4199254	21	6 14.9	21.5
534158 2014 RQ_{57}	18.2	X	306.27809	127.69421	212.82429	0.73881	0.2055034	0.26285824	2.4135427	21	6 7.6	20.7
534159 2014 RD_{62}	17.6	X	279.26197	123.52274	220.65457	7.44136	0.2383327	0.25696538	2.4503021	21	5 2.3	21.1
534160 2014 RP_{63}	16.9	X	240.70305	66.35070	302.50907	2.39586	0.3311412	0.23877984	2.5731846	21	4 21.7	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534161 2014 RQ_{63}	7.3	X	347.14971	336.50113	117.49958	9.68619	0.1915260	0.00401155	39.2278645	21	12 8.9	22.4
534162 2014 RU_{64}	16.5	X	297.94554	235.47114	88.94328	18.74660	0.1826648	0.23860611	2.5744335	21	5 14.6	20.1
534163 2014 RW_{64}	17.5	X	22.12002	212.40109	104.12695	5.48054	0.1099132	0.26767297	2.3845131	21	10 10.8	20.1
534164 2014 RA_{65}	16.9	X	251.59707	222.88612	130.68534	8.70236	0.1970865	0.22869787	2.6482642	21	4 26.4	21.2
534165 2014 RM_{65}	17.8	X	304.03552	30.51225	12.36636	8.09094	0.1116201	0.27494128	2.3423012	21	9 25.6	19.9
534166 2014 RN_{65}	17.6	X	211.15580	21.00911	29.43777	4.11270	0.1015278	0.23867866	2.5739118	21	5 30.0	21.4
534167 2014 RS_{65}	17.2	X	241.74654	289.21679	128.83109	9.69302	0.0905741	0.24472389	2.5313477	21	7 15.9	20.6
534168 2014 RU_{65}	17.1	X	243.24848	238.28521	113.15572	6.95528	0.1910542	0.23629447	2.5911965	21	4 15.5	21.4
534169 2014 RV_{65}	17.1	X	228.98080	235.93772	154.14787	9.62648	0.0806832	0.24020420	2.5630022	21	5 27.4	20.9
534170 2014 RX_{65}	17.1	X	268.26163	154.70180	184.53135	14.43802	0.1244110	0.24106391	2.5569050	21	5 1.3	20.8
534171 2014 RQ_{66}	17.0	X	287.87365	197.71077	122.29713	9.90975	0.1448658	0.23216113	2.6218613	21	4 29.8	20.7
534172 2014 RW_{66}	16.9	X	91.72149	130.50410	84.61233	14.11244	0.0518219	0.24541112	2.5266198	21	8 20.9	20.5
534173 2014 RJ_{67}	17.8	X	262.84346	154.95082	193.70943	14.95944	0.1491073	0.24175205	2.5520505	21	5 3.8	21.6
534174 2014 RX_{68}	17.3	X	293.97465	215.25240	69.74707	7.57729	0.1230496	0.23518462	2.5993421	21	3 24.9	20.9
534175 2014 RL_{69}	17.7	X	211.77384	97.66129	312.36278	11.49809	0.1597057	0.24271718	2.5452808	21	5 26.1	21.9
534176 2014 RS_{69}	17.7	X	275.12235	346.63355	77.02836	7.82481	0.1004428	0.27908046	2.3190837	21	9 13.9	20.4
534177 2014 RX_{69}	18.1	X	187.82814	235.37962	323.42811	6.87528	0.0785682	0.30029712	2.2085231	21	11 23.7	21.0
534178 2014 RY_{69}	17.1	X	310.75365	121.83048	172.98469	15.16571	0.1878274	0.24424794	2.5346351	21	4 17.2	20.3
534179 2014 RF_{70}	18.3	X	2.54613	224.53982	145.59745	2.52176	0.1583933	0.29236178	2.2483072	21	12 5.3	20.3
534180 2014 RG_{70}	17.8	X	349.96619	254.81346	65.84919	9.24108	0.1959135	0.27571464	2.3379192	21	8 21.9	19.6
534181 2014 SW_{1}	17.7	X	256.00505	298.24777	134.57892	20.30112	0.3515029	0.26790006	2.3831653	21	7 21.0	21.6
534182 2014 SK_{2}	18.4	X	302.88676	292.72943	154.45536	4.40666	0.0739574	0.30391887	2.1909423	21	12 8.9	20.5
534183 2014 SH_{13}	18.6	X	281.40654	58.96169	5.48207	2.21240	0.1929450	0.27924005	2.3182001	21	9 4.7	20.8
534184 2014 SY_{14}	18.7	X	241.46785	43.09151	25.54830	1.66317	0.1490250	0.26614501	2.3936308	21	7 24.1	22.1
534185 2014 SZ_{15}	18.3	X	287.60270	7.57069	3.92417	3.40541	0.1422659	0.26624767	2.3930154	21	7 5.5	21.0
534186 2014 SO_{31}	17.6	X	287.62490	265.85250	93.91024	3.29772	0.1478799	0.26238385	2.4164509	21	6 16.9	20.3
534187 2014 SX_{46}	17.8	X	301.23710	252.98280	128.31532	7.18052	0.1283895	0.27638921	2.3341136	21	8 15.3	20.0
534188 2014 SV_{48}	18.1	X	261.47474	20.49428	23.08436	7.60003	0.1103083	0.26894972	2.3769606	21	7 21.6	21.3
534189 2014 SG_{49}	18.4	X	244.30999	4.46102	53.59704	2.30385	0.1783195	0.26454501	2.4032724	21	7 9.2	21.8
534190 2014 SB_{54}	18.1	X	284.02738	270.38554	118.96458	4.70588	0.1958840	0.26981091	2.3719000	21	7 16.5	20.7
534191 2014 SA_{56}	18.0	X	352.55372	181.09559	121.55555	3.23966	0.1769905	0.27222460	2.3578589	21	7 20.9	19.6
534192 2014 SD_{66}	18.1	X	72.05386	209.74812	103.21158	4.87274	0.2076035	0.31136512	2.1558709	21	12 27.9	21.2
534193 2014 SJ_{76}	18.1	X	18.80468	287.84022	54.90883	7.04980	0.2208979	0.29682632	2.2257059	21	12 3.4	20.2
534194 2014 SU_{82}	18.2	X	200.61847	284.47675	221.71505	4.11056	0.1597360	0.28045650	2.3114919	21	9 19.5	21.7
534195 2014 SW_{94}	17.8	X	222.96113	156.00724	199.36385	3.69918	0.1688703	0.23341292	2.6124789	21	3 30.8	22.0
534196 2014 SQ_{95}	18.1	X	212.11298	103.08469	351.92430	5.77696	0.0627150	0.26466552	2.4025428	21	8 4.6	21.3
534197 2014 SZ_{97}	18.3	X	243.72199	66.84403	3.19005	6.60073	0.2159445	0.26225142	2.4172644	21	7 22.1	22.0
534198 2014 SU_{115}	17.5	X	230.83641	183.55429	186.34649	12.32143	0.1786752	0.23961044	2.5672346	21	4 26.1	21.6
534199 2014 SK_{123}	17.8	X	272.78055	359.48088	20.55648	6.95081	0.1302982	0.26011191	2.4305015	21	6 28.3	21.0
534200 2014 SG_{128}	18.2	X	242.79867	251.40363	259.03057	2.56277	0.1045286	0.30030076	2.2085052	21	11 27.3	20.6
534201 2014 ST_{134}	18.2	X	218.73171	13.99071	74.93763	3.64311	0.1455085	0.25629782	2.4545551	21	7 26.6	21.8
534202 2014 SU_{134}	18.1	X	259.33600	314.06243	105.18083	4.01957	0.1853432	0.26215510	2.4178564	21	7 27.6	21.2
534203 2014 SM_{136}	18.5	X	262.82824	319.63399	82.77320	2.43395	0.1796624	0.26398736	2.4066557	21	7 9.1	21.7
534204 2014 SV_{145}	17.7	X	95.23722	153.87778	70.23975	6.04065	0.1179775	0.28023374	2.3127167	21	9 17.0	20.8
534205 2014 SB_{149}	18.2	X	283.67346	325.90721	79.04310	2.54346	0.1806367	0.27515083	2.3411118	21	8 12.3	20.8
534206 2014 SV_{150}	18.6	X	308.97309	134.97093	273.90822	3.85338	0.1483803	0.28199586	2.3030723	21	10 8.2	20.6
534207 2014 SF_{151}	17.5	X	264.03299	320.01335	350.95836	13.06676	0.2852797	0.23813514	2.5778267	21	3 5.8	22.0
534208 2014 SU_{153}	17.4	X	274.04490	94.82298	353.62914	8.17499	0.1038946	0.28190916	2.3035444	21	10 11.0	20.0
534209 2014 SO_{154}	17.2	X	45.65983	335.67946	278.52865	1.95979	0.1055383	0.26523165	2.3991228	21	8 13.5	19.9
534210 2014 SM_{156}	18.0	X	285.76540	171.07525	200.46591	0.65549	0.2043200	0.26061625	2.4273648	21	6 21.8	21.0
534211 2014 SY_{156}	17.8	X	359.97779	133.13419	224.52261	2.87743	0.1351306	0.28604870	2.2812667	21	11 5.9	19.7
534212 2014 SZ_{156}	17.9	X	279.77613	69.85939	314.80471	1.21024	0.2158070	0.26153566	2.4216727	21	6 30.5	21.0
534213 2014 SO_{157}	18.1	X	273.04476	189.57912	196.71240	4.92250	0.1970743	0.25906013	2.4370756	21	6 26.5	21.3
534214 2014 SP_{159}	18.2	X	261.29345	4.24551	54.03180	4.19239	0.1642261	0.26299952	2.4126783	21	8 1.9	21.4
534215 2014 SW_{160}	18.4	X	345.73725	92.43321	280.23677	1.79257	0.2204072	0.28577751	2.2827097	21	11 9.6	19.8
534216 2014 SD_{163}	17.5	X	239.58624	37.35576	46.29755	5.65059	0.1858403	0.26396366	2.4067997	21	8 8.8	21.0
534217 2014 SS_{168}	17.0	X	206.63734	136.82914	260.57352	16.53637	0.2045627	0.24106094	2.5569260	21	5 3.9	21.6
534218 2014 SZ_{170}	17.7	X	335.19586	100.91963	263.44274	8.06877	0.0575748	0.28422735	2.2910020	21	9 21.1	20.4
534219 2014 SL_{178}	18.7	X	8.16792	346.55420	7.50679	6.47747	0.1398215	0.29209820	2.2496595	21	11 15.4	20.9
534220 2014 SJ_{191}	18.3	X	226.32885	12.68629	96.10809	2.35832	0.1374391	0.27221849	2.3578941	21	9 1.6	21.6
534221 2014 SO_{191}	18.1	X	307.68358	283.78115	46.35197	2.80721	0.2244784	0.26118492	2.4238402	21	5 21.8	20.8
534222 2014 SO_{192}	18.1	X	266.79700	280.36237	125.22783	3.16138	0.2301867	0.26345936	2.4098701	21	7 10.9	21.4
534223 2014 SC_{196}	17.3	X	217.44850	45.72421	28.69231	12.24424	0.2172015	0.25237746	2.4799086	21	7 1.1	21.6
534224 2014 SJ_{204}	17.8	X	38.96172	150.19293	128.47151	4.80495	0.1200755	0.27925168	2.3181357	21	9 14.4	20.2
534225 2014 SJ_{207}	17.2	X	208.03207	254.03898	138.56730	4.96079	0.1813413	0.22824417	2.6517725	21	5 4.6	21.6
534226 2014 SK_{207}	17.7	X	263.16388	226.81804	126.48390	4.88261	0.2678045	0.24230909	2.5481378	21	4 27.8	21.8
534227 2014 SM_{207}	18.0	X	287.18296	305.05849	145.77384	4.82704	0.1891593	0.27683144	2.3316272	21	10 27.8	20.1
534228 2014 SO_{207}	17.9	X	242.33563	199.17292	158.01697	5.11009	0.3235758	0.23640985	2.5903533	21	4 11.9	22.6
534229 2014 SV_{209}	17.0	X	203.72468	275.02034	168.74190	9.71331	0.2161477	0.23946407	2.5682806	21	6 30.3	21.5
534230 2014 SA_{210}	17.2	X	212.49014	302.78419	144.61602	7.32784	0.1668158	0.24490423	2.5301049	21	7 15.2	21.1
534231 2014 SE_{210}	18.1	X	14.73578	242.89216	120.21588	6.49205	0.1564756	0.28670887	2.2777635	21	12 13.9	20.4
534232 2014 SM_{210}	17.3	X	270.71855	162.05654	184.96233	11.66681	0.1021232	0.23578850	2.5949021	21	5 17.7	21.0
534233 2014 SB_{211}	17.9	X	337.99905	241.79579	142.77092	4.62851	0.2495295	0.27944927	2.3170428	21	11 13.2	19.1
534234 2014 SP_{211}	17.7	X	252.26428	252.41506	119.45051	5.60679	0.2883740	0.24199677	2.5503297	21	5 9.7	22.0
534235 2014 SY_{211}	17.6	X	225.72876	270.03620	150.43728	9.15547	0.1609964	0.24249982	2.5468015	21	6 24.5	21.7
534236 2014 SV_{214}	18.1	X	299.97370	327.34289	123.69412	5.55692	0.2401201	0.27952846	2.3166052	21	11 19.3	19.6
534237 2014 SC_{215}	17.3	X	198.58400	287.71590	187.16069	8.06850	0.2673536	0.24241997	2.5473608	21	7 31.8	21.9
534238 2014 SK_{215}	16.9	X	233.83757	285.87808	74.96361	12.98226	0.1526376	0.22631881	2.6667908	21	4 23.4	21.2
534239 2014 SL_{215}	17.9	X	289.60122	277.21484	123.15978	4.55256	0.2471134	0.26220794	2.4175316	21	8 1.5	20.6
534240 2014 SW_{216}	17.2	X	237.97135	257.43459	142.83462	7.49167	0.1646569	0.23935479	2.5690623	21	6 11.1	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534241 2014 SB_{217}	17.2	X	274.01756	221.48199	125.42425	6.79615	0.3215030	0.24372721	2.5382440	21	4 25.1	21.4
534242 2014 SF_{217}	16.8	X	153.20595	28.11827	73.68529	22.80771	0.0344611	0.22729291	2.6591661	21	5 31.4	20.5
534243 2014 SQ_{217}	17.5	X	280.66014	353.95392	84.51289	13.66545	0.1958291	0.26766027	2.3845885	21	10 1.1	20.4
534244 2014 SY_{218}	17.3	X	239.34806	233.94556	166.64877	6.58690	0.1316889	0.24007908	2.5638926	21	6 15.6	21.1
534245 2014 SK_{219}	17.1	X	282.65385	124.26855	196.89660	17.90346	0.3818608	0.24144044	2.5542459	21	3 21.7	21.5
534246 2014 SV_{219}	17.0	X	232.95658	261.00273	114.43065	15.81046	0.1689427	0.23408175	2.6075002	21	5 10.5	21.4
534247 2014 SW_{220}	17.8	X	0.71559	304.42802	51.39495	5.98063	0.1859551	0.28896236	2.2659059	21	11 12.8	19.3
534248 2014 SL_{222}	18.5	X	236.37827	181.76049	199.62973	12.00924	0.2754151	0.24317721	2.5420698	21	5 8.9	22.9
534249 2014 SP_{222}	18.1	X	256.50997	36.35189	359.49479	3.36285	0.1722826	0.25549529	2.4596923	21	6 23.4	21.7
534250 2014 SZ_{222}	17.7	X	315.17032	171.27221	183.01118	5.69431	0.1715037	0.26640061	2.3920995	21	7 20.3	20.1
534251 2014 SW_{223}	13.1	X	122.70277	289.31523	22.49915	10.72543	0.1540911	0.03659715	8.9847199	21	12 24.8	23.0
534252 2014 SX_{231}	18.1	X	255.08515	4.15060	60.14428	3.55547	0.1498970	0.26333992	2.4105987	21	8 4.3	21.2
534253 2014 SZ_{233}	17.9	X	259.14965	328.46721	104.67924	2.82249	0.1683155	0.26762106	2.3848214	21	8 18.9	20.9
534254 2014 SC_{234}	18.4	X	341.91805	330.92016	57.13764	3.31528	0.1680821	0.28776123	2.2722068	21	11 21.4	20.2
534255 2014 SJ_{237}	17.2	X	246.69705	254.76867	118.73678	7.14370	0.2690288	0.24092056	2.5579191	21	5 9.3	21.5
534256 2014 ST_{240}	17.9	X	340.91560	269.43501	135.99210	6.22765	0.1869945	0.29613079	2.2291896	21	12 22.8	19.5
534257 2014 SP_{246}	17.5	X	252.21318	24.41226	44.82067	10.65840	0.1743896	0.26619405	2.3933368	21	8 7.4	21.0
534258 2014 SQ_{246}	17.4	X	31.22300	234.21352	64.54939	8.32079	0.1422158	0.28245515	2.3005750	21	10 8.5	19.9
534259 2014 ST_{248}	17.8	X	319.67486	267.46394	55.58600	6.23255	0.2479407	0.26573490	2.3960929	21	5 27.2	19.9
534260 2014 SZ_{256}	17.2	X	219.14980	193.72380	206.37846	3.39804	0.2266207	0.23837108	2.5761255	21	5 19.9	21.5
534261 2014 SG_{261}	17.6	X	287.68531	307.77567	64.37454	3.49750	0.2558331	0.26234101	2.4167140	21	6 16.8	20.5
534262 2014 SE_{263}	18.2	X	254.46200	224.05935	150.44668	3.26839	0.2605189	0.25095068	2.4892994	21	5 15.9	22.3
534263 2014 SC_{264}	17.6	X	354.12035	349.16338	298.14303	2.32430	0.1890886	0.26267414	2.4146703	21	6 27.3	19.2
534264 2014 SZ_{266}	16.9	X	239.69875	93.96553	222.41015	15.62787	0.2754168	0.22847563	2.6499812	21	2 17.2	21.9
534265 2014 SR_{278}	17.4	X	337.08472	158.82783	225.22598	6.85250	0.1737025	0.28600886	2.2814785	21	11 3.4	18.7
534266 2014 SH_{279}	17.8	X	316.30795	214.74862	124.42221	2.25467	0.1820631	0.26231831	2.4168534	21	6 27.9	20.0
534267 2014 SN_{279}	18.2	X	280.43965	265.28443	126.05469	2.09962	0.1972757	0.26217429	2.4177384	21	7 13.8	21.3
534268 2014 SS_{279}	18.3	X	245.55375	204.52729	173.29025	5.45972	0.2012683	0.24448120	2.5330227	21	5 17.6	22.3
534269 2014 SA_{280}	17.7	X	272.55385	338.39587	60.89112	4.16373	0.1262089	0.26220159	2.4175706	21	7 27.1	20.6
534270 2014 SZ_{280}	17.7	X	270.14601	329.42718	70.49219	3.94952	0.1844176	0.26025888	2.4295864	21	7 14.6	21.0
534271 2014 SP_{281}	16.8	X	191.92223	20.18860	36.45323	13.92062	0.1693202	0.23276682	2.6173110	21	5 16.0	21.1
534272 2014 SS_{283}	16.8	X	219.58282	3.73002	3.17525	10.05622	0.1707434	0.23255811	2.6188767	21	4 9.4	21.1
534273 2014 SZ_{284}	17.8	X	279.43272	352.93363	33.31950	1.70877	0.1944398	0.26125991	2.4233764	21	7 5.9	20.7
534274 2014 SB_{285}	17.5	X	19.51008	62.06957	269.92647	4.68625	0.1360106	0.28830666	2.2693402	21	11 1.1	19.9
534275 2014 SO_{285}	17.8	X	276.64527	127.59311	302.46923	2.84067	0.1310171	0.27743737	2.3282310	21	9 13.9	20.2
534276 2014 SR_{285}	18.3	X	316.70792	133.49990	286.12031	2.69946	0.2172208	0.28785204	2.2717289	21	11 12.3	19.4
534277 2014 SK_{286}	17.6	X	315.56839	23.33148	316.57522	3.63025	0.1988638	0.26528121	2.3988240	21	6 24.8	20.0
534278 2014 SJ_{287}	17.6	X	254.95954	302.07644	18.36079	4.83502	0.3029412	0.23506180	2.6002475	21	3 9.7	22.1
534279 2014 SP_{288}	16.6	X	194.90390	109.56292	286.48917	12.82448	0.1885659	0.23693351	2.5865352	21	4 19.7	21.2
534280 2014 SO_{290}	17.3	X	28.21200	355.10889	276.94797	5.15396	0.1732516	0.27692539	2.3310998	21	8 19.8	19.4
534281 2014 SF_{293}	17.1	X	248.51641	59.84690	272.26028	11.95463	0.2655662	0.23713427	2.5850751	21	3 13.0	21.9
534282 2014 SP_{294}	16.4	X	146.62176	190.47671	279.41221	11.86184	0.2524667	0.24101892	2.5572232	21	6 17.8	20.7
534283 2014 SC_{297}	17.7	X	219.59414	58.34620	332.86428	4.30904	0.2802127	0.23605882	2.5929206	21	5 5.4	22.5
534284 2014 SJ_{298}	17.3	X	201.76563	232.30103	245.17674	6.82505	0.0752320	0.26058785	2.4275412	21	8 16.5	20.8
534285 2014 SP_{299}	18.1	X	230.19132	58.87751	321.14092	3.01116	0.2675533	0.23807018	2.5782957	21	4 30.5	22.6
534286 2014 ST_{299}	17.8	X	287.04470	82.15987	351.57160	5.02298	0.2631777	0.27407378	2.3472412	21	9 14.5	19.8
534287 2014 SY_{299}	17.3	X	289.63920	294.25566	11.02242	13.49647	0.1936869	0.23908241	2.5710131	21	3 31.6	20.9
534288 2014 SE_{300}	17.4	X	187.77009	206.13084	216.04884	12.86499	0.1471141	0.23314191	2.6145030	21	5 22.0	21.6
534289 2014 SS_{307}	17.7	X	257.48419	310.33646	38.36580	4.46637	0.1383964	0.23667275	2.5884347	21	4 27.6	21.3
534290 2014 SW_{307}	18.0	X	314.04183	15.55366	20.87279	4.97224	0.1557978	0.27477091	2.3432694	21	9 30.1	19.9
534291 2014 SK_{308}	18.6	X	236.30089	18.01183	18.34735	4.21462	0.2714241	0.24363146	2.5389090	21	5 25.5	23.1
534292 2014 SQ_{308}	17.4	X	258.60726	115.74436	205.03199	14.14358	0.1673005	0.23072907	2.6326988	21	3 19.9	21.6
534293 2014 SY_{308}	17.9	X	34.51329	314.38135	33.78530	7.72176	0.2047416	0.29385563	2.2406811	21	12 30.2	20.8
534294 2014 ST_{309}	17.0	X	177.43525	218.06975	211.25301	13.66736	0.0791263	0.22957396	2.6415224	21	5 19.8	20.9
534295 2014 SW_{309}	17.1	X	307.28001	326.27942	33.86703	10.64862	0.2024938	0.26015648	2.4302239	21	7 11.9	19.9
534296 2014 SB_{310}	17.3	X	228.65753	199.67960	203.95040	4.70072	0.2645252	0.24037259	2.5618051	21	5 30.2	21.7
534297 2014 SD_{310}	17.3	X	7.25806	303.69229	28.75701	8.32904	0.2456782	0.27798236	2.3251870	21	10 27.2	19.0
534298 2014 SE_{310}	18.5	X	262.14068	41.89234	26.92450	3.06781	0.2103238	0.25995064	2.4315066	21	8 10.5	21.8
534299 2014 SP_{311}	17.5	X	336.20127	124.18726	178.22557	11.65812	0.2190987	0.26371149	2.4083338	21	6 5.9	19.8
534300 2014 SL_{312}	16.1	X	153.71914	281.17079	18.30708	5.25653	0.1214186	0.18112994	3.0936835	21	—	—
534301 2014 SE_{319}	18.2	X	288.62809	262.07028	142.09070	0.19000	0.1978594	0.26948156	2.3738322	21	8 14.8	20.4
534302 2014 SN_{319}	18.0	X	247.34734	220.74409	190.21510	4.18474	0.1657060	0.25513912	2.4619809	21	7 3.7	21.7
534303 2014 SJ_{324}	17.6	X	252.43966	84.99366	250.31232	9.78880	0.1973780	0.23631939	2.5910143	21	3 27.0	21.9
534304 2014 SD_{330}	18.3	X	313.75722	102.16726	238.34966	6.40113	0.1268355	0.25843045	2.4410327	21	7 3.6	21.0
534305 2014 SQ_{332}	18.2	X	238.36544	64.95064	295.04892	1.17432	0.2550587	0.23955441	2.5676349	21	4 13.8	22.7
534306 2014 SZ_{335}	17.6	X	192.35328	265.25998	170.29380	4.12291	0.1780845	0.23920350	2.5701454	21	6 11.7	21.9
534307 2014 SE_{336}	17.8	X	265.43807	150.13205	185.84277	8.25777	0.1760455	0.23988757	2.5652570	21	4 16.6	21.5
534308 2014 SO_{337}	18.0	X	280.88680	284.56510	110.49664	2.42280	0.1776506	0.26245009	2.4160443	21	7 23.4	21.0
534309 2014 SS_{337}	16.8	X	188.45063	247.50322	188.66885	11.44201	0.0270869	0.24055764	2.5604912	21	6 9.9	20.5
534310 2014 SZ_{338}	17.4	X	298.70742	268.55792	46.57641	12.76274	0.1195487	0.24311472	2.5425054	21	5 6.4	20.3
534311 2014 SC_{345}	17.6	X	293.49415	297.11026	9.91962	5.69165	0.1491777	0.24108174	2.5567789	21	4 12.9	21.1
534312 2014 SN_{346}	17.5	X	14.01307	268.77280	7.32428	13.15295	0.1028651	0.26128054	2.4232488	21	7 26.9	20.3
534313 2014 SY_{347}	18.1	X	273.28173	295.06390	87.08430	3.66309	0.2059413	0.25708806	2.4495226	21	6 20.1	21.4
534314 2014 SJ_{349}	7.2	X	359.04460	296.05979	123.72289	8.92916	0.1648753	0.00358124	42.3104161	21	11 23.5	22.7
534315 2014 SK_{349}	7.9	X	14.33790	315.57901	59.88006	9.39447	0.2938443	0.00394415	39.6734773	21	11 6.9	22.5
534316 2014 SH_{353}	18.3	X	192.84517	149.88001	341.94488	1.46376	0.0508729	0.27178068	2.3604257	21	8 31.1	21.4
534317 2014 SV_{353}	16.7	X	3.75305	190.42576	61.97875	16.58155	0.1239748	0.24255773	2.5463962	21	5 25.7	19.3
534318 2014 SB_{354}	17.2	X	207.31946	302.51026	117.49542	19.81368	0.1687065	0.23635471	2.5907562	21	6 9.2	21.6
534319 2014 SM_{354}	16.7	X	117.42604	29.21840	123.43335	12.75052	0.0138385	0.23564822	2.5959318	21	6 20.2	20.3
534320 2014 SN_{354}	16.6	X	290.98428	192.06137	133.73215	13.63356	0.1880932	0.24105703	2.5569536	21	5 5.5	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534321 2014 SO_{354}	17.6	X	254.30543	355.82616	0.49509	11.19656	0.0694361	0.24201485	2.5502027	21	5 7.4	21.3
534322 2014 SP_{354}	18.1	X	336.82241	259.30837	58.62502	4.85120	0.1383544	0.26518131	2.3994264	21	7 13.1	20.3
534323 2014 SQ_{354}	17.2	X	310.18597	109.13044	204.30858	13.47772	0.0828880	0.23492931	2.6012250	21	5 28.4	20.6
534324 2014 SR_{354}	16.9	X	158.42012	4.27564	100.02202	7.42942	0.0587558	0.22920763	2.6443362	21	6 11.5	20.7
534325 2014 SA_{357}	17.7	X	231.09526	38.97359	17.27936	4.49358	0.1490057	0.25359158	2.4719869	21	6 25.3	21.4
534326 2014 SL_{357}	17.4	X	235.76989	206.63312	166.48402	14.40240	0.1978772	0.23853436	2.5749497	21	5 5.3	21.8
534327 2014 SY_{360}	17.4	X	269.63636	170.19928	188.47801	13.78890	0.1753667	0.24017146	2.5632351	21	5 21.7	21.3
534328 2014 SA_{361}	17.4	X	200.57342	344.31625	94.84562	6.50499	0.1659103	0.23503735	2.6004278	21	6 23.8	21.7
534329 2014 SD_{361}	17.5	X	271.67850	230.07714	101.83767	7.93502	0.2062699	0.23298362	2.6156871	21	4 17.9	21.5
534330 2014 SF_{361}	17.2	X	275.40351	251.28494	96.87895	13.20851	0.0529782	0.23433601	2.6056137	21	6 1.8	20.7
534331 2014 SO_{361}	17.5	X	275.97125	140.10404	179.38244	13.25052	0.1816094	0.22984770	2.6394247	21	4 7.4	21.3
534332 2014 SQ_{361}	16.5	X	147.96630	317.07981	151.33098	22.18601	0.0227417	0.23167553	2.6255237	21	6 5.2	20.6
534333 2014 SU_{361}	18.1	X	234.71391	354.64988	38.54700	3.50026	0.1389039	0.24466552	2.5317503	21	5 30.1	21.9
534334 2014 ST_{362}	17.8	X	196.29137	64.98054	9.47525	13.05802	0.1217671	0.24123728	2.5556798	21	6 13.0	22.0
534335 2014 SB_{363}	17.0	X	191.14376	288.96425	162.36352	12.75848	0.1741083	0.24616822	2.5214366	21	6 30.1	21.3
534336 2014 TC_{4}	17.1	X	220.77405	352.81255	28.31798	12.32102	0.1930586	0.23518798	2.5993173	21	4 27.7	21.3
534337 2014 TM_{4}	18.0	X	28.46899	166.72374	176.39294	5.35173	0.2072893	0.29499292	2.2349183	21	12 16.2	20.6
534338 2014 TW_{4}	17.7	X	309.34060	315.64785	30.01410	7.43066	0.1420977	0.25948193	2.4344338	21	7 2.6	20.5
534339 2014 TK_{6}	17.7	X	252.66058	312.54188	34.64450	14.68502	0.1702356	0.23664300	2.5886516	21	4 18.6	21.6
534340 2014 TB_{8}	17.5	X	231.30252	306.85989	58.43875	4.71496	0.2036374	0.23424464	2.6062912	21	4 19.2	21.7
534341 2014 TF_{8}	17.3	X	195.09627	224.60462	194.72058	12.94801	0.1730446	0.23395548	2.6084383	21	5 25.8	21.8
534342 2014 TU_{8}	17.1	X	248.62334	326.09719	39.39071	4.42619	0.2494848	0.23793911	2.5792424	21	4 29.9	21.3
534343 2014 TN_{11}	17.5	X	220.24389	88.70893	305.44272	3.60687	0.1878472	0.23929555	2.5694863	21	5 13.6	21.8
534344 2014 TF_{18}	17.3	X	195.28665	70.44989	329.75594	16.47804	0.2851306	0.22889835	2.6467176	21	4 23.0	22.5
534345 2014 TH_{18}	16.4	X	264.92449	336.57220	52.99357	33.30166	0.2469468	0.24235941	2.5477851	21	6 7.7	20.6
534346 2014 TR_{21}	17.5	X	180.13287	40.02260	30.56509	12.01626	0.1798868	0.23178856	2.6246700	21	5 22.9	22.0
534347 2014 TF_{22}	18.9	X	275.11345	335.26663	108.35857	1.28635	0.2633313	0.27193830	2.3595135	21	9 9.8	21.6
534348 2014 TG_{27}	17.7	X	232.48002	352.37016	28.68207	8.64753	0.1651461	0.23952833	2.5678213	21	5 9.4	21.7
534349 2014 TQ_{27}	18.2	X	309.11856	2.92570	25.89680	2.65224	0.2223969	0.27249090	2.3563224	21	8 27.9	20.0
534350 2014 TZ_{27}	17.2	X	238.57768	205.98207	192.03561	14.16006	0.0975073	0.24682363	2.5169711	21	6 14.5	21.1
534351 2014 TQ_{28}	18.3	X	239.19345	320.52465	133.05265	1.62215	0.1388712	0.26356293	2.4092387	21	8 25.5	21.4
534352 2014 TC_{30}	18.2	X	240.81622	10.81287	67.84295	6.24712	0.1331455	0.25984822	2.4321455	21	8 9.7	21.6
534353 2014 TQ_{30}	17.6	X	267.28666	201.03024	119.91258	3.75989	0.2145128	0.23708287	2.5854487	21	3 27.5	21.6
534354 2014 TD_{31}	18.6	X	307.23322	350.99256	114.38006	3.44811	0.1504591	0.29652831	2.2271969	21	—	—
534355 2014 TK_{35}	16.8	X	252.46461	308.80501	41.98252	32.61123	0.2854284	0.23612480	2.5924376	21	4 20.3	21.4
534356 2014 TS_{36}	17.3	X	221.51361	217.47423	165.93765	5.87731	0.2448105	0.23407263	2.6075679	21	5 2.1	21.8
534357 2014 TS_{38}	17.8	X	273.73723	196.01654	191.74627	9.22596	0.2231293	0.26060017	2.4274647	21	6 25.4	21.2
534358 2014 TM_{39}	17.8	X	5.53562	126.35877	237.05154	6.23883	0.1788541	0.29007149	2.2601262	21	12 3.0	19.7
534359 2014 TY_{39}	17.0	X	222.07021	74.77908	283.54488	10.30410	0.2267945	0.22871415	2.6481385	21	3 27.0	21.7
534360 2014 TZ_{39}	17.6	X	230.82509	166.14037	211.65664	7.46941	0.2623111	0.23799837	2.5788143	21	4 30.1	22.0
534361 2014 TM_{40}	17.9	X	291.59002	358.42633	33.03227	6.19814	0.1870048	0.26968355	2.3726467	21	8 5.3	20.5
534362 2014 TS_{43}	17.5	X	296.29960	233.52088	92.98235	0.69539	0.0063096	0.24090497	2.5580295	21	6 5.9	20.6
534363 2014 TZ_{44}	17.7	X	235.86012	142.55023	210.23663	11.78882	0.2020419	0.23265043	2.6181838	21	4 5.8	22.2
534364 2014 TV_{45}	17.6	X	278.27123	17.78404	23.27212	3.42235	0.1969720	0.26219873	2.4175882	21	7 26.0	20.5
534365 2014 TU_{46}	17.4	X	210.47141	30.53218	30.24515	15.51912	0.1032851	0.24195596	2.5506165	21	6 9.6	21.4
534366 2014 TY_{46}	16.6	X	123.57840	77.00786	31.06663	22.44396	0.0609726	0.22476155	2.6790945	21	5 1.6	20.4
534367 2014 TA_{47}	18.6	X	283.87254	85.22816	329.46846	0.84900	0.1686227	0.26868944	2.3784954	21	8 27.8	21.1
534368 2014 TB_{47}	16.6	X	279.10620	76.11751	218.01285	14.72625	0.1803605	0.22827659	2.6515214	21	3 4.1	20.9
534369 2014 TH_{47}	17.9	X	325.98821	103.75899	270.14861	1.20356	0.1894353	0.27485291	2.3428033	21	9 15.4	19.4
534370 2014 TA_{48}	18.4	X	279.16436	55.05725	24.62260	10.90467	0.2310480	0.27246006	2.3565002	21	9 19.8	21.0
534371 2014 TJ_{48}	16.7	X	86.43837	108.42701	14.19289	6.88847	0.0170811	0.21736905	2.7394976	21	3 31.0	20.3
534372 2014 TD_{49}	16.8	X	215.69856	258.29849	158.60570	5.35077	0.1486435	0.23761761	2.5815684	21	6 11.0	20.9
534373 2014 TE_{49}	13.5	X	238.68743	239.47652	117.16691	26.85691	0.0610665	0.08444816	5.1452827	21	5 15.4	20.8
534374 2014 TJ_{52}	17.2	X	233.34432	351.77203	24.67775	7.26936	0.3056732	0.23787201	2.5797275	21	4 27.2	21.7
534375 2014 TR_{53}	17.8	X	244.31413	139.80496	209.19701	12.59666	0.2860540	0.23401729	2.6079789	21	4 3.1	22.5
534376 2014 TV_{53}	17.5	X	204.62993	318.31955	103.21214	3.93786	0.1132725	0.23516994	2.5994503	21	6 7.1	21.3
534377 2014 TK_{54}	18.1	X	267.60682	247.59300	184.57759	5.72799	0.2989754	0.26200570	2.4187755	21	8 6.1	21.4
534378 2014 TB_{55}	18.7	X	248.04010	347.84480	10.80920	9.16519	0.2888405	0.24268011	2.5455400	21	4 16.5	23.0
534379 2014 TC_{55}	17.5	X	244.62580	270.44460	84.97753	6.67933	0.2054167	0.23995241	2.5647949	21	4 19.9	21.7
534380 2014 TV_{58}	17.8	X	264.77639	79.22592	277.18674	2.90479	0.1953488	0.24469514	2.5315460	21	5 7.8	21.5
534381 2014 TG_{59}	17.6	X	229.18590	358.20742	19.18577	7.73277	0.1797217	0.23473006	2.6026968	21	4 30.9	21.8
534382 2014 TM_{59}	17.2	X	127.91800	179.83861	312.47402	3.24231	0.0258668	0.23509963	2.5999685	21	6 6.6	20.6
534383 2014 TS_{59}	17.6	X	235.00387	352.06045	2.55419	4.03579	0.2659168	0.23331389	2.6132181	21	4 4.6	22.3
534384 2014 TX_{60}	17.6	X	10.43509	300.38031	1.28009	3.66389	0.2001066	0.27136658	2.3628264	21	9 5.7	19.2
534385 2014 TT_{61}	17.5	X	256.54563	334.70381	10.11362	9.13082	0.1770995	0.23862374	2.5743067	21	4 15.9	21.6
534386 2014 TO_{62}	16.7	X	228.25155	5.99447	30.40592	28.30327	0.1233638	0.24017115	2.5632374	21	5 20.0	20.9
534387 2014 TL_{63}	16.5	X	231.53501	62.65785	346.90894	8.02246	0.2022410	0.24303340	2.5430725	21	6 12.0	20.7
534388 2014 TA_{64}	18.2	X	333.08254	283.55464	52.14437	2.11271	0.1919179	0.27151048	2.3619914	21	7 29.3	19.8
534389 2014 TA_{65}	17.9	X	356.94042	322.83436	45.54807	6.92072	0.1644617	0.28901193	2.2656468	21	11 20.9	19.9
534390 2014 TR_{65}	17.5	X	306.34206	339.81357	12.14643	6.15561	0.2348344	0.26180802	2.4199928	21	6 19.4	20.2
534391 2014 TF_{66}	16.9	X	189.69830	63.28527	28.74849	29.26421	0.4072764	0.23438908	2.6052204	21	6 24.7	22.6
534392 2014 TU_{68}	18.0	X	334.33475	49.66665	333.21281	6.59528	0.1272753	0.28286832	2.2983342	21	10 20.1	20.1
534393 2014 TA_{69}	17.7	X	187.95424	48.16686	50.76062	11.42586	0.1725601	0.24069731	2.5595006	21	7 7.9	22.0
534394 2014 TH_{69}	17.0	X	228.02181	295.69451	61.84143	6.25812	0.0840143	0.22439988	2.6819724	21	4 14.7	21.0
534395 2014 TJ_{69}	18.2	X	306.17035	332.83469	82.01141	2.90827	0.1618552	0.27583959	2.3372131	21	10 13.3	20.0
534396 2014 TD_{70}	17.7	X	242.57234	124.18977	210.68696	12.12730	0.2859405	0.22923736	2.6441076	21	3 14.9	22.6
534397 2014 TE_{71}	18.1	X	287.26407	312.68391	111.67154	3.28986	0.1860171	0.27023467	2.3694197	21	9 16.1	20.4
534398 2014 TH_{71}	17.9	X	253.65852	287.78273	126.33112	3.34402	0.2021105	0.25344138	2.4729635	21	7 10.9	21.5
534399 2014 TN_{73}	18.4	X	287.10128	268.75069	134.71988	3.05511	0.1964762	0.26505222	2.4002055	21	8 11.2	21.1
534400 2014 TL_{75}	17.8	X	323.58372	237.45086	75.27548	13.02214	0.2668746	0.27467177	2.3438332	21	5 16.9	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534401 2014 TE_{82}	17.9	X	287.82827	91.78054	320.93057	0.81946	0.1713093	0.26810131	2.3819726	21	8 30.9	20.4
534402 2014 TJ_{83}	17.7	X	207.46282	24.97958	36.23619	14.80074	0.2298561	0.23809358	2.5781267	21	6 2.4	22.3
534403 2014 TZ_{83}	18.7	X	266.72987	314.28337	67.04446	2.25727	0.2561206	0.25194644	2.4827361	21	6 4.9	22.5
534404 2014 TF_{84}	17.4	X	249.43628	163.58346	207.74846	14.69566	0.1434013	0.24081932	2.5586360	21	5 18.6	21.3
534405 2014 TW_{85}	6.1	X	62.95396	242.65843	106.56627	0.94234	0.0209776	0.00349526	43.0014726	21	11 17.5	22.4
534406 2014 TU_{86}	16.3	X	171.75523	212.25206	258.98697	11.83567	0.1145526	0.22241485	2.6979063	21	7 5.9	20.5
534407 2014 TD_{88}	17.2	X	303.35031	74.16527	212.98994	3.52011	0.1232596	0.23225275	2.6211717	21	4 4.6	20.7
534408 2014 TE_{88}	16.5	X	324.20990	286.81139	5.04738	14.97018	0.1273405	0.24265654	2.5457049	21	5 5.3	19.8
534409 2014 TF_{88}	16.7	X	296.91359	37.92871	264.20477	9.44301	0.1636232	0.23848141	2.5753309	21	4 5.3	20.5
534410 2014 TG_{88}	16.9	X	222.56300	161.73727	283.97236	17.06684	0.1259679	0.24132612	2.5550525	21	7 24.3	20.9
534411 2014 TL_{88}	17.9	X	293.08553	13.41326	62.57304	8.38164	0.1018233	0.28197280	2.3031978	21	10 29.9	20.2
534412 2014 TN_{88}	17.7	X	248.42698	275.33250	221.37079	9.25549	0.0785913	0.28560066	2.2836519	21	11 17.9	20.3
534413 2014 TQ_{88}	17.6	X	211.73926	70.64524	339.36600	7.81917	0.1612781	0.24037839	2.5617639	21	5 26.1	21.8
534414 2014 TR_{88}	17.5	X	286.36966	87.48257	275.66314	6.13772	0.1517880	0.25628044	2.4546660	21	6 19.5	20.5
534415 2014 TS_{88}	17.5	X	266.31158	312.62587	21.62971	10.14976	0.1035710	0.23650665	2.5896465	21	4 21.8	21.2
534416 2014 TU_{88}	17.1	X	94.88726	28.24848	153.09383	15.12165	0.0329186	0.23929386	2.5694984	21	7 1.0	20.8
534417 2014 TL_{89}	18.5	X	191.90922	289.19996	270.57150	6.27757	0.0532350	0.29551249	2.2322979	21	12 3.7	21.1
534418 2014 TR_{89}	18.1	X	222.82616	277.39742	265.74853	6.09216	0.0589782	0.29798174	2.2199487	21	12 21.7	20.8
534419 2014 TH_{90}	17.0	X	219.20518	9.71786	3.16809	14.12305	0.1711683	0.21553928	2.7549799	21	4 15.7	21.7
534420 2014 TA_{91}	17.9	X	237.94477	188.35138	239.84064	4.90471	0.0882429	0.25648799	2.4533416	21	7 24.5	21.4
534421 2014 TY_{91}	17.6	X	309.05701	51.37298	278.73724	5.99185	0.1288604	0.25438257	2.4668599	21	6 10.3	20.4
534422 2014 TC_{92}	17.5	X	261.20362	101.66938	199.79572	13.06098	0.1998563	0.22581623	2.6707462	21	2 23.7	22.1
534423 2014 TE_{92}	17.8	X	233.91828	328.46260	57.34058	5.08114	0.1573460	0.23982037	2.5657362	21	5 18.8	21.6
534424 2014 TO_{92}	18.0	X	204.26471	1.85770	127.44856	6.56712	0.1204934	0.26352516	2.4094689	21	9 6.2	21.4
534425 2014 TB_{93}	17.2	X	176.28868	307.68578	163.27988	12.79535	0.1345019	0.23876986	2.5732563	21	7 10.8	21.4
534426 2014 TN_{93}	17.6	X	245.23594	20.56874	317.80503	6.76652	0.1995146	0.23250921	2.6192439	21	3 25.6	22.0
534427 2014 TP_{93}	16.3	X	322.14183	343.55241	253.21019	11.70177	0.1688693	0.21804291	2.7338503	21	2 13.3	20.2
534428 2014 TT_{93}	17.5	X	268.30532	71.79674	247.88548	12.32035	0.1941406	0.23592919	2.5938704	21	3 21.9	21.8
534429 2014 TX_{93}	17.4	X	215.74476	27.00140	50.47693	12.58775	0.1554266	0.24323804	2.5416460	21	7 7.4	21.5
534430 2014 TH_{94}	17.3	X	200.86628	108.95173	338.60475	12.04759	0.1651338	0.23141233	2.6275141	21	7 7.0	21.7
534431 2014 TJ_{95}	16.7	X	73.88101	315.42703	282.04307	13.33961	0.1696891	0.26557367	2.3970626	21	9 3.5	20.1
534432 2014 UY_{1}	17.7	X	227.74835	151.13751	209.78213	13.94846	0.2320379	0.22785568	2.6547857	21	4 7.9	22.2
534433 2014 US_{2}	17.1	X	158.42605	105.49440	348.33444	11.42110	0.0766784	0.23586797	2.5943191	21	5 25.9	21.2
534434 2014 UV_{3}	17.4	X	149.54870	264.43810	211.11050	11.02306	0.0319598	0.23349774	2.6118461	21	6 13.1	21.1
534435 2014 UY_{3}	18.0	X	220.95787	320.14119	95.82276	5.05232	0.1488976	0.24031523	2.5622127	21	6 14.6	22.1
534436 2014 UF_{4}	18.1	X	265.99571	7.80939	112.17327	4.97593	0.1777536	0.27785983	2.3258705	21	11 4.7	20.6
534437 2014 UN_{4}	17.3	X	212.28532	18.01110	62.55116	13.25344	0.1272720	0.24271820	2.5452737	21	7 9.6	21.3
534438 2014 UC_{5}	16.6	X	167.56406	346.42644	81.86354	7.04095	0.0330151	0.22019968	2.7159697	21	5 6.4	20.4
534439 2014 US_{5}	17.6	X	337.96412	299.90563	56.76544	7.53483	0.2097513	0.26991975	2.3712624	21	9 21.5	19.3
534440 2014 UR_{6}	17.3	X	224.08483	193.05919	207.47411	11.72280	0.1813115	0.23607237	2.5928214	21	5 27.6	21.5
534441 2014 UH_{8}	17.1	X	202.49372	35.38819	26.80237	33.73968	0.2764902	0.23445655	2.6047206	21	5 19.7	22.2
534442 2014 UA_{9}	16.6	X	221.55610	127.43613	270.55778	21.12599	0.1432359	0.23673368	2.5879905	21	5 22.7	20.9
534443 2014 UK_{9}	17.6	X	255.20808	324.84533	19.14456	5.66695	0.2732933	0.23743029	2.5829260	21	4 7.4	21.8
534444 2014 UM_{9}	16.3	X	95.57720	307.17852	231.37838	25.53837	0.2460438	0.22900644	2.6458847	21	7 19.0	20.9
534445 2014 UX_{9}	17.2	X	273.48552	277.90618	63.64029	2.12340	0.2024050	0.23914947	2.5705325	21	4 28.7	20.8
534446 2014 UE_{10}	17.1	X	204.66591	342.61049	51.68463	11.35895	0.1526496	0.22619777	2.6677420	21	5 3.4	21.4
534447 2014 UU_{10}	17.1	X	211.85011	22.21927	34.17424	5.04822	0.2601169	0.23499523	2.6007385	21	6 1.0	21.7
534448 2014 UV_{10}	18.1	X	265.21102	325.27540	57.99606	18.77022	0.1953406	0.24633528	2.5202965	21	6 11.4	21.9
534449 2014 UW_{13}	17.0	X	276.05285	263.68115	28.60024	13.06044	0.2702199	0.22752588	2.6573505	21	2 28.8	21.5
534450 2014 UQ_{14}	18.4	X	11.28472	173.97095	231.67585	6.96781	0.0559911	0.30185142	2.2009351	21	—	—
534451 2014 UX_{14}	18.0	X	70.58510	296.74104	13.15276	4.24192	0.2137159	0.29671484	2.2262633	21	12 20.7	21.4
534452 2014 UC_{16}	17.6	X	230.89586	137.77933	231.20269	11.98719	0.1803089	0.23517437	2.5994176	21	4 22.2	21.9
534453 2014 UX_{17}	17.8	X	314.54344	143.15888	224.13209	4.19949	0.0767574	0.26462472	2.4027898	21	8 20.6	20.5
534454 2014 UR_{18}	18.0	X	319.81734	241.84676	124.22265	2.09512	0.2061518	0.26856983	2.3792015	21	8 15.6	19.6
534455 2014 UW_{18}	18.1	X	217.42596	296.20370	125.84689	2.30906	0.1539592	0.24188719	2.5511000	21	6 18.5	22.0
534456 2014 UL_{19}	18.0	X	269.05597	47.98718	57.34272	10.82855	0.1222105	0.27832968	2.3232522	21	10 29.3	20.6
534457 2014 UQ_{20}	17.3	X	195.41383	219.32705	210.85096	9.66316	0.0808397	0.23377290	2.6097963	21	6 9.3	21.2
534458 2014 UZ_{20}	18.0	X	234.45975	303.42741	95.78831	5.59268	0.1882690	0.24048119	2.5610338	21	6 3.8	22.1
534459 2014 UJ_{22}	17.1	X	169.86804	263.36386	102.53510	7.58317	0.0750320	0.19884012	2.9071451	21	2 25.5	21.5
534460 2014 UZ_{22}	17.1	X	264.87040	230.29417	136.92631	3.63674	0.1632346	0.24165498	2.5527339	21	5 27.9	20.7
534461 2014 UM_{23}	17.4	X	238.71364	146.02821	204.80974	13.24262	0.2913573	0.23333018	2.6130964	21	4 1.1	22.1
534462 2014 UD_{25}	17.9	X	308.38425	299.30522	89.35717	3.17699	0.2087748	0.26769791	2.3843649	21	8 28.1	19.8
534463 2014 UP_{25}	18.4	X	252.03945	135.40859	211.12379	7.74373	0.1793533	0.23974454	2.5662772	21	4 14.6	22.5
534464 2014 UO_{27}	17.4	X	265.25311	156.09167	172.47529	5.75582	0.1039401	0.22681498	2.6629002	21	4 16.6	21.1
534465 2014 US_{27}	17.3	X	242.07560	126.76793	214.83661	27.37987	0.1589635	0.23194619	2.6234808	21	3 29.7	21.7
534466 2014 UV_{27}	17.4	X	258.20355	255.02217	112.99396	4.67892	0.2451188	0.24172807	2.5522193	21	5 13.4	21.5
534467 2014 UW_{27}	16.7	X	127.34996	286.51429	191.79647	6.91068	0.1946222	0.21695594	2.7429740	21	6 7.7	21.0
534468 2014 UZ_{27}	16.9	X	258.96838	343.42904	46.56207	13.19616	0.0711897	0.24446746	2.5331176	21	7 2.7	20.5
534469 2014 UO_{28}	16.9	X	168.05077	156.21745	254.48247	5.08506	0.0330287	0.21421420	2.7663293	21	4 10.8	20.9
534470 2014 UW_{28}	16.9	X	212.86310	145.88112	229.53879	12.09818	0.1254528	0.22243662	2.6977303	21	4 15.9	21.3
534471 2014 UX_{28}	17.3	X	126.36682	258.20930	228.91952	13.51638	0.2466153	0.21854789	2.7296374	21	6 20.9	21.9
534472 2014 UE_{30}	16.8	X	330.56875	8.59330	239.48430	12.41140	0.0567506	0.22417097	2.6837979	21	3 28.7	20.4
534473 2014 UK_{32}	17.8	X	209.57144	265.35738	212.59925	10.06191	0.1983918	0.25265606	2.4780852	21	8 15.9	21.9
534474 2014 US_{32}	18.2	X	298.00116	6.78825	93.10049	6.53428	0.0440617	0.28844027	2.2686393	21	12 16.0	20.5
534475 2014 UU_{32}	17.3	X	229.06396	325.52328	54.90266	8.68248	0.1629396	0.23558360	2.5964064	21	5 7.6	21.2
534476 2014 UY_{33}	16.6	X	225.51647	208.43206	264.46119	22.06638	0.1135521	0.27286971	2.3541411	21	8 25.7	20.5
534477 2014 UP_{38}	18.6	X	328.42743	330.33265	135.30875	3.13928	0.0527160	0.31024732	2.1610460	21	—	—
534478 2014 UL_{41}	17.3	X	211.48984	212.71628	235.06490	7.40720	0.2770109	0.24206353	2.5498608	21	7 8.4	21.8
534479 2014 UN_{41}	18.4	X	286.55806	72.22460	7.37760	2.37332	0.1869963	0.27258295	2.3557919	21	10 6.3	20.5
534480 2014 UE_{42}	16.5	X	96.43973	199.54968	230.40635	9.10495	0.1092290	0.19184215	2.9774195	21	2 17.9	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534481 2014 UJ_{42}	17.5	X	359.25086	266.10483	63.83795	2.29580	0.1961610	0.26909657	2.3760957	21	9 26.3	19.1
534482 2014 UQ_{45}	17.7	X	298.93873	328.19725	37.07037	1.25010	0.2341651	0.26028019	2.4294538	21	6 27.5	20.2
534483 2014 UY_{45}	17.7	X	314.96756	288.22289	43.45988	9.53190	0.2516746	0.25733838	2.4479338	21	5 30.6	20.3
534484 2014 UC_{46}	17.1	X	220.33865	156.16888	221.14508	8.45412	0.1145751	0.22834452	2.6509955	21	4 27.3	21.0
534485 2014 UD_{46}	17.5	X	209.56161	166.72863	222.17088	10.20091	0.1557746	0.22834800	2.6509685	21	4 29.9	21.7
534486 2014 UF_{46}	18.3	X	213.00833	220.29817	218.97473	4.10429	0.2289277	0.24314684	2.5422815	21	7 1.9	22.6
534487 2014 UH_{47}	16.8	X	332.25697	80.22160	198.28680	3.52996	0.1032090	0.23533787	2.5982135	21	5 10.3	19.7
534488 2014 UO_{49}	16.6	X	184.82522	208.50622	247.24657	12.31846	0.1435725	0.23548665	2.5971190	21	6 29.2	20.8
534489 2014 US_{49}	18.2	X	258.56653	122.55231	2.93052	2.64290	0.1638539	0.27528595	2.3403457	21	10 30.9	21.0
534490 2014 UX_{49}	17.2	X	234.55808	9.47753	27.76458	5.48136	0.1936961	0.23846837	2.5754247	21	5 30.6	21.3
534491 2014 UY_{49}	17.2	X	256.29890	111.99278	249.00310	10.70076	0.1909624	0.23645408	2.5900303	21	5 5.5	21.4
534492 2014 UG_{50}	16.0	X	229.45268	268.90237	30.54887	23.41702	0.2122613	0.21522677	2.7576460	21	2 9.5	21.2
534493 2014 UM_{50}	17.1	X	242.04981	333.16350	37.05571	4.77779	0.1168682	0.23167384	2.6255365	21	5 10.6	21.0
534494 2014 UE_{52}	18.1	X	326.46942	337.77685	46.04905	6.07752	0.1698035	0.28085265	2.3093178	21	10 9.5	19.8
534495 2014 UE_{53}	17.5	X	269.31422	258.10822	71.33377	12.09088	0.1864874	0.23295144	2.6159280	21	4 16.0	21.6
534496 2014 UO_{53}	18.3	X	357.42834	271.47761	103.51493	3.21976	0.2138867	0.28758129	2.2731545	21	12 10.7	20.2
534497 2014 UY_{53}	16.5	X	202.03352	319.08070	41.32710	10.05741	0.2213981	0.21827424	2.7319184	21	3 24.2	21.3
534498 2014 UG_{54}	17.5	X	176.45786	67.39402	45.71838	14.11661	0.1423956	0.24052913	2.5606935	21	7 16.9	21.8
534499 2014 UJ_{54}	18.0	X	256.81550	338.61417	43.84257	1.83827	0.0864820	0.24394795	2.5367126	21	6 16.9	21.3
534500 2014 UU_{57}	16.7	X	242.69745	324.17144	46.43506	33.82028	0.2546212	0.23568003	2.5956982	21	5 3.4	21.1
534501 2014 UU_{58}	18.1	X	310.41428	215.94450	118.58723	2.43030	0.2031433	0.25832153	2.4417188	21	6 6.5	20.5
534502 2014 UC_{60}	17.1	X	186.84854	156.95866	39.29580	26.53012	0.1830732	0.28938556	2.2636962	21	11 7.9	20.6
534503 2014 UY_{61}	17.6	X	242.28602	167.32903	176.96607	6.31239	0.1810430	0.22899249	2.6459922	21	4 4.5	21.9
534504 2014 US_{64}	18.2	X	291.49638	142.92702	262.34694	4.76779	0.2140387	0.27048042	2.3679844	21	8 16.2	20.6
534505 2014 UK_{66}	17.0	X	200.05578	39.88514	34.75337	6.59941	0.0989210	0.23701913	2.5859122	21	6 19.2	20.9
534506 2014 UU_{66}	16.3	X	143.02648	232.71696	234.53672	21.28187	0.0522669	0.22519392	2.6756642	21	5 26.9	20.0
534507 2014 UY_{67}	17.3	X	332.12414	259.21768	70.15197	6.91118	0.1377937	0.26209465	2.4182282	21	7 22.5	19.6
534508 2014 UB_{69}	18.3	X	291.47999	139.30118	220.86897	0.83034	0.1917375	0.25732964	2.4479892	21	6 15.9	21.0
534509 2014 UK_{77}	18.5	X	281.54473	176.53237	246.69377	1.46729	0.1521712	0.27138706	2.3627075	21	9 7.9	21.0
534510 2014 UR_{80}	18.4	X	283.73874	144.21612	268.71158	0.46682	0.1732275	0.26915106	2.3757751	21	8 23.9	21.1
534511 2014 UY_{82}	17.9	X	229.86633	164.73774	215.26910	4.36649	0.3209122	0.23587760	2.5942485	21	4 29.3	22.5
534512 2014 UK_{85}	18.0	X	332.89326	150.43404	222.17773	5.86760	0.1248617	0.27187532	2.3598778	21	9 30.2	20.2
534513 2014 UH_{86}	18.4	X	293.18218	218.42737	223.03819	1.44547	0.1687375	0.27704733	2.3304157	21	10 25.9	20.3
534514 2014 UG_{88}	17.5	X	343.63695	250.64641	68.74828	4.03152	0.1205370	0.25895637	2.4377265	21	7 31.3	19.8
534515 2014 UK_{88}	17.5	X	259.12937	115.95913	214.11626	15.90740	0.2138311	0.23242947	2.6198429	21	3 27.3	21.8
534516 2014 UT_{88}	17.6	X	271.04467	148.02974	181.69017	3.77297	0.2121097	0.23665343	2.5885756	21	4 10.2	21.5
534517 2014 UX_{88}	17.5	X	203.53618	197.35846	215.41225	12.56443	0.1570912	0.23727596	2.5840459	21	5 24.7	21.7
534518 2014 UK_{90}	17.6	X	335.49589	225.96440	100.09511	3.85621	0.0948342	0.25678255	2.4514651	21	7 26.5	20.0
534519 2014 UK_{92}	17.8	X	217.20387	299.09023	96.19041	4.79438	0.1977845	0.23371019	2.6102631	21	5 14.4	22.2
534520 2014 UF_{93}	17.8	X	205.74175	12.68643	43.46593	5.97069	0.2516787	0.23380020	2.6095931	21	5 27.3	22.3
534521 2014 UA_{94}	17.0	X	76.04380	325.34951	228.33968	14.16467	0.0484446	0.23599237	2.5934074	21	6 22.8	20.5
534522 2014 UV_{94}	15.5	X	17.20597	247.90038	69.79349	5.98133	0.2173519	0.12576380	3.9454719	21	9 26.0	20.1
534523 2014 UL_{95}	17.4	X	182.84296	98.08926	66.53550	3.90927	0.0563701	0.27051066	2.3678079	21	10 4.1	20.5
534524 2014 UP_{95}	18.2	X	197.39029	221.66078	200.24238	4.00074	0.2147644	0.23380593	2.6095505	21	5 29.7	22.6
534525 2014 UE_{96}	18.4	X	352.90276	306.51732	78.38755	3.08121	0.0935841	0.28689366	2.2767853	21	11 29.3	20.7
534526 2014 UL_{97}	18.2	X	251.24078	271.81549	143.09931	3.66894	0.1557798	0.25384923	2.4703140	21	7 14.9	21.8
534527 2014 UT_{97}	17.6	X	193.08089	324.38542	110.47020	4.72283	0.0854514	0.23696135	2.5863326	21	6 12.7	21.5
534528 2014 UQ_{98}	17.3	X	267.65662	181.18316	182.68431	7.95547	0.0401759	0.24132597	2.5550536	21	6 13.2	20.8
534529 2014 UW_{98}	17.0	X	200.16436	202.03160	188.41423	9.10109	0.1208616	0.22449053	2.6812504	21	4 25.2	21.2
534530 2014 UP_{99}	17.5	X	206.83908	257.32872	195.86701	8.89588	0.2252128	0.24554075	2.5257304	21	7 13.3	22.0
534531 2014 UQ_{100}	18.4	X	248.78134	279.96434	106.22641	3.47556	0.1735715	0.24537682	2.5268552	21	6 2.4	22.2
534532 2014 UP_{101}	16.4	X	15.50665	62.51691	193.60834	9.39749	0.0953761	0.24315471	2.5422266	21	6 22.5	19.4
534533 2014 UO_{102}	17.5	X	344.73946	302.20306	20.36840	2.88417	0.1028772	0.26733922	2.3864972	21	8 8.6	19.7
534534 2014 US_{103}	16.7	X	89.03375	354.31774	202.02069	14.89703	0.0638743	0.24545599	2.5263118	21	7 15.3	20.4
534535 2014 UV_{103}	18.4	X	329.36205	263.89527	157.33748	4.29219	0.1428795	0.28857337	2.2679417	21	12 15.8	20.2
534536 2014 UB_{105}	18.3	X	247.53180	252.44262	184.85371	1.13761	0.1555876	0.26407194	2.4061418	21	8 10.5	21.6
534537 2014 UL_{105}	17.6	X	256.35538	95.95225	253.99953	4.00036	0.0748203	0.23294875	2.6159481	21	5 4.8	21.4
534538 2014 UP_{105}	16.5	X	7.36736	221.94973	37.39386	15.33336	0.1006819	0.24031280	2.5622300	21	6 10.1	19.5
534539 2014 UD_{110}	17.7	X	204.62030	40.04276	16.14674	13.67726	0.2547732	0.23687165	2.5869855	21	5 23.4	22.5
534540 2014 UV_{111}	17.8	X	247.42609	272.51532	65.96324	5.72728	0.3277169	0.23743569	2.5828868	21	3 25.4	22.5
534541 2014 UE_{112}	17.7	X	274.41733	325.88409	70.73924	7.01872	0.1702867	0.26029603	2.4293552	21	7 18.4	20.8
534542 2014 UQ_{112}	17.6	X	356.66099	332.18249	331.01625	5.65189	0.1840115	0.26742707	2.3859746	21	8 2.6	19.3
534543 2014 UJ_{113}	17.7	X	0.47437	188.52172	233.74905	7.54288	0.0408636	0.30015339	2.2092281	21	—	—
534544 2014 UP_{113}	17.9	X	243.34584	337.91547	41.64938	4.13034	0.2161088	0.23983225	2.5656515	21	5 15.1	22.1
534545 2014 UV_{113}	17.3	X	271.04658	314.63202	52.90034	29.35696	0.0684505	0.24270509	2.5453654	21	6 11.6	21.0
534546 2014 UC_{114}	17.7	X	345.32535	276.87392	56.83363	22.00959	0.2609974	0.27212780	2.3584180	21	9 17.2	19.9
534547 2014 UN_{116}	17.2	X	203.67142	284.19303	148.54155	17.47761	0.2777034	0.23380439	2.6095619	21	6 17.1	22.2
534548 2014 UE_{120}	16.6	X	260.10696	50.32907	300.18800	13.78523	0.1481279	0.24044973	2.5612572	21	4 25.5	20.8
534549 2014 UM_{120}	17.6	X	223.55446	142.08716	230.73532	2.01442	0.2470808	0.23284237	2.6167448	21	4 18.7	22.0
534550 2014 UN_{121}	17.4	X	208.93568	154.40465	273.10382	6.00638	0.1593024	0.24247194	2.5469968	21	6 16.9	21.3
534551 2014 UW_{121}	16.9	X	189.59045	116.37634	327.16698	8.15838	0.1344953	0.23918734	2.5702612	21	6 19.6	21.0
534552 2014 UX_{126}	16.8	X	165.40042	317.29903	104.68035	6.19712	0.0620874	0.21792507	2.7348358	21	4 28.4	20.8
534553 2014 UG_{134}	16.9	X	190.54635	240.56822	204.12309	13.95579	0.0807698	0.23994453	2.5648511	21	6 21.8	20.9
534554 2014 US_{134}	17.3	X	196.77676	135.23830	260.71338	3.40850	0.1631607	0.22548945	2.6733258	21	4 26.2	21.6
534555 2014 UX_{134}	17.4	X	179.87683	78.79681	31.49434	7.28398	0.1868462	0.23961327	2.5672144	21	7 15.7	21.7
534556 2014 UD_{136}	18.8	X	316.00995	190.70468	248.00719	1.06308	0.1287314	0.28780139	2.2719954	21	12 14.4	20.5
534557 2014 UH_{136}	17.3	X	309.05903	274.29803	36.81016	5.90864	0.0702305	0.23823561	2.5771019	21	5 23.2	20.6
534558 2014 UO_{142}	17.1	X	261.36094	327.46881	21.51887	7.63359	0.1695271	0.23902507	2.5714243	21	4 27.5	20.8
534559 2014 UM_{143}	17.5	X	212.56856	131.71104	270.11659	2.29105	0.1184750	0.23533056	2.5982673	21	5 19.9	21.4
534560 2014 UL_{146}	17.3	X	355.29817	260.32506	51.17193	7.05559	0.1431753	0.26614738	2.3936166	21	8 15.3	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534561 2014 UA_{148}	17.8	X	272.41241	209.99669	223.31718	8.71512	0.1804445	0.26729555	2.3867571	21	8 30.8	20.9
534562 2014 UK_{148}	18.1	X	225.47980	166.45636	224.40540	2.18139	0.2251120	0.23688718	2.5868724	21	5 13.5	22.5
534563 2014 UF_{151}	17.0	X	298.79717	234.28629	56.29857	13.15678	0.1933578	0.23623292	2.5916466	21	3 30.5	20.7
534564 2014 UU_{153}	18.1	X	268.30695	198.71131	135.15432	4.59512	0.2628372	0.24360999	2.5390582	21	4 8.5	22.1
534565 2014 UM_{156}	17.5	X	153.01837	231.71650	254.26465	8.20197	0.1850481	0.23068523	2.6330323	21	7 9.0	21.8
534566 2014 UH_{157}	18.4	X	294.88036	224.76113	181.11610	1.18508	0.1847236	0.27234183	2.3571821	21	8 30.9	20.7
534567 2014 UX_{157}	17.8	X	34.35442	297.93201	63.10136	8.07632	0.1584960	0.29705919	2.2245426	21	—	—
534568 2014 UH_{158}	17.3	X	230.30540	260.20850	89.05507	5.58679	0.2593422	0.22940176	2.6428441	21	3 29.7	21.9
534569 2014 UG_{159}	18.2	X	327.32682	220.25495	161.55937	5.86513	0.1456114	0.27522885	2.3406694	21	10 7.2	20.0
534570 2014 UU_{159}	18.0	X	283.52965	277.05318	209.91932	22.38385	0.2641968	0.28477607	2.2880581	21	12 3.5	20.0
534571 2014 UP_{160}	16.7	X	137.84379	222.54674	261.30345	6.53260	0.2077348	0.22779003	2.6552958	21	6 24.8	21.1
534572 2014 UZ_{160}	16.9	X	140.57122	166.02516	277.16256	5.41144	0.0287797	0.22047336	2.7137217	21	4 17.4	20.7
534573 2014 UL_{162}	18.0	X	357.74977	329.64669	45.86771	7.43061	0.1201611	0.28495430	2.2871040	21	11 25.7	20.1
534574 2014 UO_{163}	18.1	X	330.48917	316.07646	39.75775	1.74262	0.2016046	0.26947176	2.3738897	21	8 26.3	19.6
534575 2014 UT_{163}	17.3	X	235.90120	142.98240	220.63531	18.44475	0.2926255	0.23536423	2.5980195	21	4 13.8	22.1
534576 2014 UX_{163}	17.8	X	258.18090	126.06141	226.91205	12.44977	0.3175860	0.24224139	2.5486125	21	4 15.5	22.4
534577 2014 UK_{165}	17.4	X	172.44566	105.87905	16.92537	12.04693	0.1403254	0.24348649	2.5399167	21	7 27.6	21.6
534578 2014 UW_{167}	18.1	X	249.26922	75.92471	11.93789	6.37940	0.1016068	0.26290838	2.4132358	21	9 6.5	21.1
534579 2014 UZ_{169}	17.5	X	277.17451	243.83513	103.37267	13.70706	0.1355232	0.24149135	2.5538869	21	5 22.8	21.2
534580 2014 US_{170}	17.7	X	244.93275	174.89125	209.26376	12.20180	0.2588164	0.25145274	2.4859848	21	5 19.8	21.8
534581 2014 UD_{171}	17.4	X	302.69230	142.73419	184.65474	4.08618	0.1690261	0.24435230	2.5339134	21	5 21.9	20.5
534582 2014 UN_{172}	16.9	X	180.68412	15.02878	74.92208	14.05702	0.1328878	0.23614007	2.5923259	21	6 18.3	20.9
534583 2014 UA_{173}	17.2	X	226.35134	213.59845	182.72064	9.78314	0.2056588	0.23870537	2.5737198	21	5 23.6	21.6
534584 2014 UO_{176}	17.6	X	332.53069	264.39891	59.85737	4.44139	0.1827565	0.26182053	2.4199158	21	7 8.7	19.6
534585 2014 UV_{176}	17.9	X	282.09815	261.35715	179.11127	3.96677	0.1180059	0.27190664	2.3596967	21	10 11.8	20.5
534586 2014 UZ_{176}	16.9	X	196.50433	217.31900	197.44287	14.83426	0.1103695	0.23639702	2.5904471	21	5 21.9	21.0
534587 2014 UV_{177}	17.6	X	213.99548	4.45617	46.00177	9.96998	0.1561029	0.23955384	2.5676390	21	5 29.8	21.7
534588 2014 UQ_{180}	17.0	X	198.24865	200.08267	211.50557	14.81329	0.1267815	0.23697867	2.5862066	21	5 18.9	21.1
534589 2014 UF_{181}	18.6	X	289.48930	72.90081	3.77162	4.76713	0.1535504	0.27984949	2.3148332	21	10 13.4	20.6
534590 2014 US_{183}	18.6	X	298.82100	275.70586	119.55703	3.28262	0.2098374	0.26744905	2.3858438	21	8 17.8	20.8
534591 2014 UF_{185}	16.0	X	3.24577	182.23191	66.23314	13.96489	0.1034846	0.24088440	2.5581751	21	5 20.7	18.6
534592 2014 UE_{187}	17.9	X	338.39029	172.23192	230.73465	6.69013	0.0857579	0.28757540	2.2731856	21	11 30.5	20.2
534593 2014 UK_{187}	16.3	X	27.38199	336.71755	229.29735	13.04914	0.1882481	0.22353315	2.6889006	21	5 7.9	18.6
534594 2014 UZ_{188}	17.5	X	202.77138	24.69768	35.31460	6.10425	0.3039460	0.23498873	2.6007865	21	5 28.6	22.2
534595 2014 UO_{189}	17.1	X	296.16060	224.94316	86.00311	12.25841	0.0515198	0.23338548	2.6126837	21	5 12.2	20.6
534596 2014 UR_{190}	17.6	X	264.32071	123.59746	285.09031	5.43875	0.0911332	0.26063713	2.4272352	21	8 1.3	20.7
534597 2014 UA_{193}	16.1	X	69.97568	200.42915	329.02768	13.80288	0.0419091	0.23036684	2.6354578	21	5 5.7	19.9
534598 2014 UQ_{197}	18.2	X	265.46592	327.63454	31.14481	6.65275	0.1783637	0.24316939	2.5421243	21	5 13.5	22.0
534599 2014 UT_{197}	18.4	X	306.12955	25.38911	18.02922	2.84802	0.1577408	0.27241671	2.3567502	21	9 23.7	20.2
534600 2014 UX_{198}	18.5	X	231.28475	119.08273	264.52188	4.48193	0.2517612	0.24112037	2.5565058	21	5 6.8	22.8
534601 2014 UC_{199}	16.7	X	161.79669	180.60505	262.53578	5.38113	0.0849562	0.23185050	2.6242026	21	5 18.9	20.5
534602 2014 UL_{199}	17.6	X	327.10928	125.79840	256.52958	6.20538	0.1179970	0.27387481	2.3483779	21	10 2.7	20.0
534603 2014 UQ_{199}	17.9	X	321.65977	19.63302	16.46286	5.63119	0.2301099	0.27620136	2.3351718	21	10 11.1	19.2
534604 2014 UV_{200}	17.4	X	272.94489	282.95635	38.97179	3.56830	0.1100257	0.23005331	2.6378518	21	4 15.0	21.2
534605 2014 UQ_{202}	17.5	X	239.79918	140.82755	231.07605	4.70673	0.2917101	0.23901639	2.5714865	21	4 27.5	21.9
534606 2014 UA_{203}	16.6	X	142.62799	65.08225	17.18346	13.95073	0.0497595	0.21840484	2.7308292	21	4 21.4	20.5
534607 2014 UB_{203}	17.2	X	230.92722	18.66663	341.88557	5.24725	0.3691327	0.23450355	2.6043725	21	4 3.8	22.3
534608 2014 UG_{203}	17.2	X	232.62636	339.16504	26.22535	14.75090	0.2542909	0.23266057	2.6181078	21	4 16.7	21.5
534609 2014 UJ_{203}	15.9	X	159.08937	149.03936	258.32633	12.88067	0.1153306	0.21190822	2.7863619	21	3 30.1	20.4
534610 2014 UR_{203}	18.8	X	16.04816	257.95647	174.61559	4.28532	0.1009598	0.30877693	2.1679012	21	—	—
534611 2014 UC_{204}	18.0	X	304.10416	272.24654	199.84974	6.02573	0.1006568	0.29290519	2.2455256	21	—	—
534612 2014 UJ_{206}	17.0	X	237.60581	71.98062	303.74605	7.52054	0.0744989	0.23383752	2.6093155	21	5 14.9	20.9
534613 2014 UR_{206}	18.2	X	219.74061	232.89138	185.68259	7.89517	0.2132990	0.24596774	2.5228066	21	6 13.1	22.5
534614 2014 UU_{206}	17.6	X	245.58880	268.90198	78.08536	7.70809	0.2410984	0.23620017	2.5918861	21	4 9.1	22.0
534615 2014 UQ_{208}	17.1	X	227.58566	115.55123	246.28792	12.61157	0.2060886	0.22569473	2.6717046	21	4 7.4	21.7
534616 2014 UX_{208}	18.1	X	291.07491	242.12910	197.51009	6.40401	0.1806992	0.27384600	2.3485426	21	10 16.8	20.1
534617 2014 UE_{209}	17.9	X	179.12503	283.53383	192.81891	3.48985	0.2042198	0.23781120	2.5801672	21	7 20.4	22.3
534618 2014 UR_{210}	16.8	X	163.54137	8.50855	112.18803	16.71416	0.1444157	0.22814978	2.6525038	21	7 11.8	21.0
534619 2014 US_{214}	15.6	X	157.65173	118.86867	194.50895	11.31754	0.0773656	0.18013155	3.1051043	21	—	—
534620 2014 UW_{215}	17.3	X	252.16206	244.08329	122.16339	13.62212	0.1957192	0.24222227	2.5487467	21	5 13.6	21.5
534621 2014 UY_{215}	17.0	X	263.34466	229.15647	105.29712	13.12529	0.2943374	0.24000226	2.5644397	21	4 7.2	21.5
534622 2014 UE_{216}	16.6	X	196.39260	306.34225	133.59937	14.32499	0.1326130	0.23860319	2.5744545	21	6 22.7	20.8
534623 2014 UM_{217}	16.5	X	163.54580	235.02741	219.36742	21.58119	0.0569284	0.23838436	2.5760297	21	6 3.1	20.4
534624 2014 UR_{223}	17.5	X	3.59641	211.28078	131.13189	6.74844	0.1678537	0.28188654	2.3036677	21	10 27.6	19.6
534625 2014 UQ_{224}	5.5	X	194.96647	225.83688	16.50813	1.94265	0.0509991	0.00333345	44.3819676	21	12 8.4	22.2
534626 2014 UT_{224}	6.6	X	12.81174	328.67128	81.79673	3.88441	0.2656392	0.00297151	47.9163936	21	12 6.2	22.1
534627 2014 UV_{224}	6.1	X	340.49252	222.14330	249.89149	3.95104	0.5245344	0.00162547	71.6391913	21	11 11.4	22.3
534628 2014 UR_{227}	18.0	X	217.13446	29.33733	94.22342	2.68125	0.1352112	0.26533460	2.3985022	21	9 11.1	21.5
534629 2014 UV_{227}	16.0	X	211.04070	167.99802	269.22018	21.12741	0.0429926	0.22862121	2.6488561	21	7 6.6	19.7
534630 2014 UX_{227}	16.9	X	120.24197	50.20357	56.11447	1.97801	0.1943869	0.20223460	2.8745227	21	5 16.4	21.1
534631 2014 UX_{229}	8.3	X	12.17562	2.93640	15.21147	15.94638	0.3391335	0.00392044	39.8332846	21	11 3.9	22.6
534632 2014 UG_{230}	18.0	X	182.40339	6.00823	112.37456	4.93251	0.1590997	0.24548237	2.5261309	21	7 27.5	21.9
534633 2014 UK_{230}	16.8	X	328.91238	25.03558	269.83180	8.39120	0.1470357	0.24583332	2.5237261	21	5 19.8	19.5
534634 2014 UP_{230}	17.9	X	22.20950	209.46527	122.93190	5.00985	0.0926348	0.28107195	2.3081164	21	11 1.9	20.5
534635 2014 US_{230}	15.8	X	21.11537	332.86847	240.06820	28.44796	0.0802830	0.22514402	2.6760596	21	4 29.7	19.2
534636 2014 UT_{230}	18.0	X	256.94233	173.26854	240.91816	5.73148	0.0905269	0.25290454	2.4764618	21	7 28.8	21.3
534637 2014 UW_{230}	16.5	X	276.79652	303.86741	347.40941	12.59445	0.1909555	0.22363276	2.6881021	21	3 3.2	20.6
534638 2014 UB_{232}	17.5	X	238.41126	324.08185	55.19832	2.87060	0.1173895	0.23597830	2.5935105	21	5 18.5	21.2
534639 2014 UF_{232}	17.7	X	227.31792	137.78147	238.21352	3.01833	0.0512310	0.22916581	2.6446579	21	5 7.2	21.2
534640 2014 UK_{232}	16.8	X	298.97456	236.56485	56.60064	12.31735	0.1051750	0.22713581	2.6603920	21	4 15.2	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534641 2014 UN_{232}	17.5	X	241.35076	346.14563	45.78271	18.94276	0.2074924	0.23418379	2.6067427	21	5 27.2	21.7
534642 2014 UZ_{232}	17.9	X	272.69805	252.52004	184.09225	6.11561	0.1027582	0.26913319	2.3758802	21	9 22.3	20.7
534643 2014 UB_{233}	18.2	X	323.36993	9.90744	54.51081	7.22403	0.0793067	0.27973302	2.3154757	21	12 2.8	20.4
534644 2014 UE_{233}	17.6	X	193.48432	186.83482	334.32098	5.62072	0.0481127	0.27169120	2.3609439	21	10 9.0	20.8
534645 2014 UP_{233}	17.0	X	224.59397	74.09703	321.35289	8.10232	0.1645832	0.23879221	2.5730957	21	5 19.4	21.2
534646 2014 UA_{234}	17.9	X	210.91454	65.45680	24.20119	4.37740	0.0311009	0.24789781	2.5096949	21	7 28.6	21.2
534647 2014 UH_{234}	18.2	X	228.12482	316.27548	242.50890	5.11288	0.0474541	0.30403065	2.1904052	21	—	—
534648 2014 UL_{234}	17.5	X	296.73926	13.90254	316.96450	2.83528	0.0404339	0.23542328	2.5975851	21	6 7.3	20.7
534649 2014 UQ_{234}	17.6	X	202.23040	31.20439	69.70775	6.70693	0.0325991	0.25235774	2.4800378	21	8 2.3	21.0
534650 2014 UY_{234}	17.3	X	26.79532	6.59412	231.39548	3.98147	0.0705283	0.23642909	2.5902128	21	6 14.4	20.4
534651 2014 UZ_{234}	17.2	X	296.97072	238.07157	61.63717	13.56644	0.1667257	0.22647935	2.6655304	21	4 13.3	21.0
534652 2014 UD_{236}	17.6	X	269.22306	201.11123	128.43187	4.66941	0.0990637	0.23013566	2.6372225	21	4 23.6	21.3
534653 2014 UH_{236}	17.8	X	249.82175	73.77492	319.88257	1.94155	0.0646972	0.24469838	2.5315236	21	6 26.5	21.0
534654 2014 UR_{236}	16.9	X	130.52554	237.91399	251.80052	11.42549	0.2214311	0.22418420	2.6836923	21	6 26.0	21.2
534655 2014 US_{236}	17.1	X	286.97203	16.89251	283.82399	6.92896	0.1801312	0.22941061	2.6427762	21	3 21.6	21.1
534656 2014 UZ_{236}	17.5	X	202.42740	50.38976	35.91867	13.78606	0.1613385	0.24106403	2.5569041	21	7 5.8	21.8
534657 2014 UD_{237}	17.1	X	225.93858	136.59667	235.69872	13.40749	0.1031349	0.22703149	2.6612070	21	4 26.4	21.1
534658 2014 UO_{237}	18.4	X	316.28694	302.99305	118.00377	6.89397	0.0689628	0.28614360	2.2807623	21	11 20.2	20.8
534659 2014 UT_{237}	17.4	X	179.20726	41.65168	59.83015	17.40054	0.0878127	0.24339427	2.5405582	21	7 1.5	21.4
534660 2014 UV_{237}	18.0	X	162.52553	18.27654	128.27896	6.15967	0.0410529	0.25591702	2.4569893	21	8 12.7	21.4
534661 2014 UG_{238}	16.9	X	294.56800	302.79348	18.03668	15.26065	0.1497292	0.24265917	2.5456864	21	4 29.7	20.3
534662 2014 UM_{238}	17.4	X	248.90170	352.25018	14.09792	13.80593	0.1204687	0.23757433	2.5818819	21	5 8.7	21.3
534663 2014 UN_{238}	17.8	X	271.16733	52.00921	327.22912	5.89498	0.1242450	0.25176286	2.4839429	21	6 26.1	21.0
534664 2014 UV_{238}	17.7	X	169.21039	226.61708	237.43014	15.89612	0.0654551	0.24006554	2.5639891	21	6 22.3	21.5
534665 2014 UG_{239}	17.1	X	263.15882	252.00495	101.48282	9.01895	0.1642898	0.24099108	2.5574201	21	5 10.1	20.9
534666 2014 UE_{240}	16.9	X	62.54352	278.00757	267.23034	13.35476	0.0711843	0.22619615	2.6677548	21	5 26.8	20.2
534667 2014 UF_{240}	17.5	X	231.53931	89.24868	275.56797	9.89726	0.2157196	0.23143974	2.6273066	21	4 13.0	22.1
534668 2014 UH_{240}	17.2	X	276.22236	32.47835	276.59789	10.90991	0.1707648	0.22661763	2.6644460	21	3 19.6	21.4
534669 2014 UK_{240}	16.9	X	194.53903	76.97674	31.40403	15.78386	0.0978727	0.23759142	2.5817581	21	8 3.4	21.1
534670 2014 UA_{241}	17.9	X	187.34454	344.03749	261.85502	5.76960	0.1296136	0.30347376	2.1930841	21	—	—
534671 2014 UB_{241}	18.5	X	337.02190	51.57263	6.27289	7.52674	0.0937802	0.29120691	2.2542475	21	12 21.4	20.9
534672 2014 VW	17.1	X	191.70801	134.96220	269.83005	12.41353	0.2579293	0.22572475	2.6714677	21	5 1.1	22.0
534673 2014 VX	17.2	X	198.93575	112.23750	327.85481	8.78477	0.1366521	0.23780178	2.5802353	21	6 24.9	21.4
534674 2014 VX_{1}	17.3	X	212.79021	106.74272	348.72339	28.85762	0.3793258	0.23663012	2.5887456	21	7 27.0	22.6
534675 2014 VF_{2}	16.5	X	85.50738	109.52453	347.82340	20.30153	0.3710398	0.18410591	3.0602546	21	4 13.2	21.1
534676 2014 VK_{2}	18.7	X	268.48372	232.00958	63.33470	16.39087	0.6038173	0.39574122	1.8373640	21	1 25.9	23.0
534677 2014 VJ_{6}	17.4	X	199.51524	343.95197	105.02524	11.87353	0.1570194	0.24099272	2.5574085	21	7 5.7	21.2
534678 2014 VW_{6}	17.3	X	196.07219	82.14108	21.69980	28.22282	0.3722514	0.23426566	2.6061353	21	7 24.3	22.9
534679 2014 VQ_{7}	18.4	X	236.10103	349.48022	56.41290	5.54340	0.1922231	0.24253883	2.5465284	21	6 12.8	22.5
534680 2014 VX_{7}	16.6	X	311.92044	225.47927	60.08873	3.46875	0.0609247	0.22360560	2.6883198	21	4 26.3	19.9
534681 2014 VD_{8}	17.5	X	216.72983	296.69890	94.14587	3.72947	0.0830580	0.22698875	2.6615410	21	5 13.6	21.5
534682 2014 VL_{8}	17.7	X	194.04282	352.50792	90.74876	4.25663	0.1331080	0.23468907	2.6029999	21	6 23.6	21.8
534683 2014 VD_{9}	18.1	X	277.55649	290.57117	73.90957	7.40487	0.2171906	0.24713383	2.5148644	21	5 30.9	21.5
534684 2014 VL_{9}	17.2	X	170.88589	191.88521	229.39570	6.37848	0.0752019	0.21767235	2.7369521	21	5 1.4	21.2
534685 2014 VY_{9}	16.7	X	128.51633	283.66943	233.86240	27.06082	0.3629427	0.23465615	2.6032433	21	7 28.5	22.0
534686 2014 VK_{10}	17.2	X	220.63029	257.18628	167.00629	14.90102	0.1135649	0.24450644	2.5328483	21	6 27.4	21.3
534687 2014 VZ_{11}	18.1	X	276.85232	315.50254	90.96926	8.41593	0.2048077	0.25952961	2.4341356	21	7 30.6	21.2
534688 2014 VF_{12}	16.3	X	116.17786	266.84792	220.88028	15.73687	0.1999885	0.21488287	2.7605875	21	6 8.2	20.7
534689 2014 VA_{13}	17.6	X	199.93722	10.78962	58.55406	14.91601	0.2492257	0.23697321	2.5862463	21	6 7.4	22.1
534690 2014 VB_{13}	17.9	X	262.82485	322.43385	87.96844	6.61089	0.1820794	0.25819572	2.4425119	21	7 20.3	21.2
534691 2014 VF_{13}	16.5	X	181.22644	185.36345	266.02483	12.70836	0.2111494	0.23452993	2.6041772	21	6 21.4	20.9
534692 2014 VO_{13}	17.2	X	196.79017	138.27072	261.08483	15.18363	0.1782933	0.22517548	2.6758103	21	4 28.5	21.8
534693 2014 VP_{13}	18.2	X	287.55309	351.68656	60.44726	3.38741	0.1833761	0.26843822	2.3799791	21	8 29.6	20.7
534694 2014 VS_{13}	16.6	X	212.49294	264.92656	144.55003	11.66331	0.0724913	0.23378169	2.6097309	21	6 3.8	20.6
534695 2014 VT_{13}	17.0	X	326.13273	256.98533	97.96332	8.06507	0.1367509	0.26615498	2.3935710	21	8 22.6	19.3
534696 2014 VV_{13}	17.8	X	337.53505	234.01716	130.69531	5.95729	0.2670831	0.27726711	2.3291841	21	10 6.1	18.8
534697 2014 VW_{13}	16.5	X	211.93544	297.65205	100.37902	10.93292	0.0637955	0.23280895	2.6169953	21	5 20.1	20.4
534698 2014 VG_{14}	16.1	X	119.38313	261.76938	131.22348	10.78885	0.1884213	0.19304519	2.9650366	21	2 15.9	20.3
534699 2014 VW_{14}	16.8	X	244.93975	134.16883	233.96821	26.50287	0.1126914	0.23304498	2.6152279	21	5 11.8	20.6
534700 2014 VB_{15}	18.3	X	264.52266	184.10844	258.93838	4.80730	0.2106709	0.26396884	2.4067683	21	8 29.6	21.5
534701 2014 VR_{15}	17.4	X	336.50688	156.34993	216.84765	5.54474	0.2356067	0.27711895	2.3300142	21	10 13.1	18.4
534702 2014 VP_{19}	17.5	X	227.13727	216.52913	190.12321	1.60135	0.2317440	0.23975345	2.5662136	21	6 3.3	21.8
534703 2014 VC_{20}	18.5	X	307.38771	192.37842	261.63601	3.89769	0.1096184	0.28740696	2.2740736	21	12 20.9	20.6
534704 2014 VF_{20}	18.4	X	291.83054	177.27709	254.55609	4.64000	0.1428095	0.27284891	2.3542608	21	10 9.3	20.8
534705 2014 VL_{20}	18.2	X	305.11013	171.10967	248.22914	2.31877	0.2176230	0.27442154	2.3452578	21	10 7.3	19.9
534706 2014 VO_{20}	17.0	X	265.56711	89.09870	242.28632	12.83423	0.0884619	0.22539497	2.6740729	21	4 18.7	20.9
534707 2014 VT_{21}	18.4	X	293.72927	245.24562	201.10418	3.73082	0.1590155	0.27809264	2.3245723	21	11 6.0	20.3
534708 2014 VQ_{22}	18.7	X	293.75941	297.92275	112.45772	1.42131	0.1912524	0.26678423	2.3898058	21	9 4.0	20.8
534709 2014 VZ_{22}	18.0	X	347.51680	84.45654	268.24118	0.51083	0.2056316	0.27211694	2.3584807	21	10 5.3	19.4
534710 2014 VA_{23}	17.6	X	342.03006	333.90697	38.77068	4.61413	0.2681555	0.27815615	2.3242184	21	11 2.8	18.3
534711 2014 VR_{23}	17.7	X	357.52147	257.80180	80.96785	3.26234	0.2096458	0.27134360	2.3629598	21	10 9.8	19.3
534712 2014 VY_{23}	17.6	X	196.89028	190.93580	224.93194	3.43138	0.2104992	0.22824573	2.6517604	21	5 21.7	22.1
534713 2014 VN_{24}	17.1	X	219.81779	204.83710	210.37824	4.04352	0.1682200	0.23683420	2.5872582	21	6 11.4	21.2
534714 2014 VT_{24}	17.1	X	203.42460	7.69218	73.60973	22.97735	0.0269850	0.23819151	2.5774201	21	7 4.6	20.8
534715 2014 VG_{25}	16.9	X	221.59610	331.17149	61.71984	14.91172	0.2497022	0.23286079	2.6166068	21	5 13.1	21.5
534716 2014 VH_{25}	17.4	X	215.56000	4.08044	60.80964	8.63173	0.1208444	0.23762507	2.5815144	21	6 21.9	21.4
534717 2014 VT_{26}	16.9	X	109.09629	105.57532	57.49963	8.47114	0.1274409	0.22956811	2.6415673	21	7 8.6	20.7
534718 2014 VC_{27}	18.0	X	319.62573	1.19641	17.61525	2.45696	0.2183015	0.26926560	2.3751013	21	9 5.3	19.5
534719 2014 VK_{27}	17.5	X	213.03548	7.00572	64.47720	17.32250	0.2083142	0.23845182	2.5755439	21	6 22.3	21.9
534720 2014 VV_{27}	17.9	X	293.43372	32.93342	354.53971	2.52676	0.1866022	0.26214935	2.4178918	21	7 31.1	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534721 2014 VC_{31}	17.7	X	301.82644	307.18312	85.86661	4.13804	0.2476498	0.26608132	2.3940128	21	8 13.9	20.0
534722 2014 VC_{32}	17.3	X	242.49991	264.13608	104.80812	4.54223	0.1027521	0.23063044	2.6334493	21	5 12.7	21.2
534723 2014 VL_{32}	17.2	X	281.80221	103.45219	230.86499	12.37617	0.1658612	0.23604791	2.5930006	21	5 2.9	20.9
534724 2014 VM_{32}	17.6	X	277.35014	132.01766	211.81584	5.63031	0.1876615	0.23896362	2.5718651	21	5 7.9	21.1
534725 2014 VT_{32}	17.1	X	131.85012	354.14715	126.82146	3.40414	0.0350985	0.22494493	2.6776383	21	5 29.9	20.7
534726 2014 VN_{37}	16.8	X	233.41381	246.46137	118.26566	12.91350	0.3220951	0.23550235	2.5970036	21	4 19.2	21.8
534727 2014 VJ_{38}	16.9	X	252.67883	83.80721	288.77177	5.29239	0.1826867	0.23849896	2.5752045	21	5 17.5	20.8
534728 2014 VK_{38}	17.6	X	197.86301	317.05399	120.35929	7.14535	0.0889629	0.24116352	2.5562008	21	6 21.3	21.4
534729 2014 VM_{38}	18.3	X	342.24569	356.69320	76.84989	4.48531	0.0779474	0.29306169	2.2447261	21	—	—
534730 2014 VV_{38}	16.7	X	108.32488	243.08503	258.80175	14.18809	0.0867088	0.22509454	2.6764517	21	6 3.2	20.4
534731 2014 VW_{38}	16.3	X	190.10628	21.75907	76.20420	13.76596	0.1141205	0.21857252	2.7294324	21	7 9.2	20.6
534732 2014 VX_{38}	18.3	X	268.63655	303.35955	195.46259	3.90008	0.0731068	0.28899678	2.2657260	21	12 22.7	20.6
534733 2014 WL	18.1	X	304.17469	341.86860	83.05885	3.25188	0.1944578	0.27636323	2.3342599	21	10 21.3	19.9
534734 2014 WA_{2}	17.6	X	221.20366	182.62911	202.22573	5.00905	0.0912519	0.23008494	2.6376100	21	5 9.9	21.4
534735 2014 WX_{2}	17.0	X	231.66589	293.41501	79.53096	8.39489	0.2051633	0.23346518	2.6120890	21	4 30.4	21.3
534736 2014 WB_{3}	17.2	X	258.98486	247.21132	114.96271	5.25178	0.1663675	0.24029937	2.5623255	21	5 15.1	21.1
534737 2014 WN_{3}	17.1	X	164.38641	8.22865	107.23963	5.69266	0.1104819	0.23696352	2.5863168	21	7 4.9	21.1
534738 2014 WP_{3}	17.5	X	239.37823	253.35846	128.15091	5.45412	0.1920456	0.23816796	2.5775899	21	5 17.8	21.6
534739 2014 WA_{4}	18.0	X	223.07324	167.33187	274.68510	7.01877	0.2148049	0.24543995	2.5264219	21	7 14.9	22.2
534740 2014 WF_{4}	18.6	X	312.03112	123.39014	2.12861	3.63766	0.1409868	0.29766673	2.2215147	21	—	—
534741 2014 WJ_{4}	16.7	X	337.11374	228.41898	56.37972	14.66988	0.1298589	0.23281607	2.6169419	21	5 23.4	19.6
534742 2014 WQ_{8}	18.2	X	265.38735	121.74593	232.69810	8.53339	0.1973437	0.24330801	2.5411586	21	5 6.3	21.8
534743 2014 WH_{12}	17.0	X	205.49599	46.32191	7.85501	5.48113	0.2375847	0.23501003	2.6006293	21	5 24.4	21.6
534744 2014 WB_{16}	17.7	X	6.80180	244.17199	11.23801	2.90603	0.0445351	0.23725913	2.5841681	21	6 5.7	20.7
534745 2014 WW_{16}	18.4	X	310.44710	314.33100	72.91763	9.00763	0.1797018	0.26778146	2.3838690	21	9 8.4	20.7
534746 2014 WF_{19}	17.3	X	270.79632	203.24830	159.68017	16.71364	0.1685262	0.24466883	2.5317275	21	5 30.8	21.2
534747 2014 WP_{19}	17.8	X	216.84139	46.27501	9.12607	1.75859	0.1863796	0.23662966	2.5887489	21	6 7.4	21.9
534748 2014 WA_{20}	17.8	X	340.91784	120.83572	251.02398	6.53546	0.1497522	0.27657337	2.3330774	21	10 16.7	19.8
534749 2014 WS_{23}	17.2	X	304.13789	302.26894	7.73232	3.84465	0.0973232	0.23694700	2.5864370	21	5 9.9	20.4
534750 2014 WD_{24}	17.5	X	239.43052	66.68116	290.26165	4.61957	0.4018565	0.23598047	2.5934946	21	4 2.6	22.6
534751 2014 WO_{24}	18.2	X	329.68989	126.81529	271.46951	1.24161	0.2037163	0.27996724	2.3141841	21	11 8.3	19.6
534752 2014 WC_{25}	16.7	X	313.38271	261.56020	55.54069	15.92118	0.1167617	0.24275540	2.5450137	21	5 30.2	19.7
534753 2014 WG_{29}	17.6	X	157.89691	203.07455	235.89247	5.49640	0.0368711	0.22262624	2.6961982	21	5 6.3	21.2
534754 2014 WP_{30}	16.4	X	162.04551	213.79007	226.51445	21.25319	0.0475695	0.22478460	2.6789114	21	5 14.3	20.2
534755 2014 WY_{43}	17.0	X	195.05949	283.61248	134.37820	2.87712	0.1367454	0.23128736	2.6284605	21	5 23.9	21.2
534756 2014 WN_{47}	18.3	X	315.69750	223.12043	157.63448	1.64188	0.2000702	0.26805505	2.3822466	21	8 31.3	20.2
534757 2014 WH_{49}	17.9	X	230.67174	193.21441	214.30301	4.91414	0.1449834	0.23980001	2.5658814	21	6 13.9	21.9
534758 2014 WO_{49}	18.0	X	317.10215	338.23633	89.35673	5.84613	0.1591014	0.28179173	2.3041843	21	11 28.0	19.7
534759 2014 WT_{50}	16.5	X	161.40887	43.90475	61.24911	17.87790	0.0484641	0.23110640	2.6298324	21	6 13.4	20.3
534760 2014 WA_{51}	18.3	X	303.25531	228.82434	250.45602	3.16334	0.1424877	0.29216579	2.2493126	21	—	—
534761 2014 WM_{53}	18.6	X	285.70470	189.52414	223.75810	1.71866	0.2024268	0.26389757	2.4072016	21	8 21.5	21.3
534762 2014 WF_{54}	17.4	X	182.37069	338.98702	106.03088	5.18678	0.0839297	0.23162051	2.6259394	21	6 14.3	21.4
534763 2014 WM_{54}	17.4	X	248.94169	235.92007	128.29510	2.92184	0.1087775	0.23107001	2.6301085	21	5 12.8	21.2
534764 2014 WZ_{55}	17.0	X	189.47497	230.67592	235.78740	10.38222	0.2210951	0.23764807	2.5813478	21	7 14.9	21.6
534765 2014 WF_{56}	16.0	X	277.04794	19.64772	254.15453	9.43405	0.1202908	0.20607296	2.8387166	21	2 15.3	20.3
534766 2014 WL_{56}	18.5	X	0.92517	293.16916	93.70607	2.99505	0.1562457	0.28786391	2.2716665	21	12 25.2	20.5
534767 2014 WV_{58}	17.4	X	207.84406	46.63378	8.47535	1.62717	0.0527396	0.23175903	2.6248930	21	6 4.3	21.2
534768 2014 WH_{59}	16.6	X	212.09614	300.00703	64.43368	8.18303	0.1352292	0.21686260	2.7437610	21	4 7.1	21.0
534769 2014 WS_{60}	17.3	X	124.04161	60.08080	90.28446	9.52260	0.1106337	0.23441577	2.6050226	21	7 6.7	21.0
534770 2014 WZ_{60}	17.5	X	225.34591	290.50262	121.34803	4.89831	0.1593852	0.24126375	2.5554928	21	6 13.1	21.5
534771 2014 WQ_{62}	17.1	X	359.23232	259.68719	57.07436	6.05563	0.1077525	0.26546587	2.3977115	21	8 30.3	19.5
534772 2014 WP_{63}	18.7	X	279.01762	338.84337	102.97025	2.24613	0.1506459	0.27434166	2.3457130	21	10 4.4	21.0
534773 2014 WZ_{64}	17.6	X	345.45478	277.54329	57.77429	5.66105	0.1265586	0.26648231	2.3916106	21	9 1.5	19.9
534774 2014 WD_{65}	18.1	X	199.81898	213.21061	220.72648	2.57474	0.1741707	0.23807663	2.5782491	21	6 16.2	22.2
534775 2014 WK_{65}	18.1	X	227.72315	291.95465	165.77132	2.47827	0.1644620	0.25705710	2.4497193	21	8 13.9	21.8
534776 2014 WM_{65}	18.1	X	244.70657	244.57395	194.29268	2.61752	0.2082151	0.25721963	2.4486872	21	8 1.9	21.8
534777 2014 WT_{66}	18.0	X	323.87924	231.71862	97.70196	3.98021	0.2263333	0.26000942	2.4311402	21	6 20.1	20.1
534778 2014 WX_{68}	17.7	X	283.91768	62.81727	249.84638	3.21661	0.2286559	0.23632719	2.5909573	21	3 29.0	21.5
534779 2014 WX_{71}	18.5	X	335.38337	235.77230	209.18956	4.00780	0.1574973	0.29533778	2.2331782	21	—	—
534780 2014 WC_{73}	17.3	X	201.17055	165.91361	306.65172	4.43086	0.2322521	0.24390909	2.5369820	21	8 3.2	21.7
534781 2014 WF_{75}	17.7	X	290.11930	113.62327	211.58210	7.83591	0.1743263	0.23960787	2.5672530	21	4 30.5	21.1
534782 2014 WQ_{75}	18.8	X	311.83965	348.03323	128.41160	2.71246	0.1162211	0.29806212	2.2195496	21	—	—
534783 2014 WT_{78}	18.7	X	291.60433	282.81018	134.63316	2.98166	0.1618251	0.26980612	2.3719281	21	9 16.9	21.0
534784 2014 WX_{78}	16.5	X	313.20418	67.98812	220.18295	13.97346	0.0837347	0.22925040	2.6440073	21	4 26.7	19.6
534785 2014 WV_{79}	18.3	X	271.91486	337.38986	109.61040	1.94483	0.1453343	0.27086657	2.3657333	21	9 30.6	21.0
534786 2014 WX_{79}	18.5	X	287.23323	289.83975	117.05114	2.12198	0.1741917	0.26508040	2.4000354	21	8 21.0	21.1
534787 2014 WE_{81}	17.5	X	112.72499	76.09305	84.26828	9.03086	0.0385175	0.23699365	2.5860976	21	6 26.8	20.8
534788 2014 WO_{83}	17.5	X	18.35454	181.26544	79.76504	5.19389	0.0491623	0.24327195	2.5414097	21	7 2.7	20.5
534789 2014 WM_{84}	18.7	X	323.47230	255.15749	197.44039	4.65309	0.1325216	0.29489404	2.2354179	21	—	—
534790 2014 WZ_{95}	17.8	X	220.99704	329.68295	77.21254	9.92937	0.1579221	0.23794473	2.5792018	21	6 2.5	21.9
534791 2014 WR_{97}	17.9	X	274.75772	262.35327	70.46025	13.68435	0.2857556	0.24186157	2.5512800	21	4 15.2	22.1
534792 2014 WP_{102}	14.4	X	181.58736	5.79138	64.19882	1.68171	0.1958743	0.08211192	5.2424210	21	5 30.6	22.1
534793 2014 WJ_{107}	18.1	X	252.97865	152.69507	248.75098	6.04470	0.1542976	0.25391510	2.4698867	21	6 28.8	21.6
534794 2014 WR_{110}	16.7	X	315.57836	249.47164	70.94658	28.14310	0.0622847	0.24222313	2.5487407	21	6 14.5	20.0
534795 2014 WR_{111}	17.1	X	186.24506	340.70088	85.87675	9.94867	0.1287722	0.22978240	2.6399247	21	5 26.7	21.2
534796 2014 WL_{112}	17.7	X	222.97124	158.39140	213.56369	5.08857	0.0624955	0.22468191	2.6797276	21	4 26.7	21.3
534797 2014 WD_{116}	18.2	X	270.52073	118.02229	208.84301	12.51919	0.2183203	0.24165246	2.5527516	21	4 3.2	22.2
534798 2014 WO_{116}	17.7	X	203.80595	288.94698	194.20326	6.67115	0.0551574	0.26751381	2.3854588	21	8 30.3	21.0
534799 2014 WV_{116}	18.3	X	248.21817	129.66865	215.99265	12.23395	0.2749286	0.23978631	2.5659791	21	4 1.7	22.8
534800 2014 WN_{117}	17.8	X	261.80037	119.65608	260.50594	10.69456	0.1943488	0.24412852	2.5354616	21	6 5.8	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534801 2014 WM_{118}	17.0	X	228.76244	132.18358	275.24543	12.26313	0.2711649	0.23511296	2.5998702	21	6 3.1	21.6
534802 2014 WD_{119}	16.5	X	322.90565	311.69010	327.59240	8.52396	0.1435978	0.22775645	2.6555568	21	4 15.9	20.0
534803 2014 WN_{119}	16.0	X	129.79239	194.78917	282.77201	12.44434	0.0126142	0.22611236	2.6684138	21	5 17.0	19.7
534804 2014 WB_{120}	17.2	X	206.25051	31.20813	25.56246	33.96173	0.2522086	0.23537625	2.5979311	21	5 15.9	22.3
534805 2014 WK_{121}	17.8	X	331.81287	278.02791	108.76677	5.63195	0.2122260	0.27689650	2.3312619	21	10 28.1	19.3
534806 2014 WM_{121}	16.7	X	304.13677	227.73795	78.96938	16.97380	0.1620257	0.23545901	2.5973223	21	5 2.9	20.2
534807 2014 WP_{122}	16.4	X	91.76984	114.71632	40.84167	13.82377	0.1557118	0.21768117	2.7368782	21	6 8.6	20.3
534808 2014 WG_{123}	17.1	X	269.83970	357.00543	348.18467	3.73929	0.1791541	0.23685554	2.5871028	21	4 30.6	20.9
534809 2014 WU_{123}	16.8	X	236.70602	196.41551	202.32740	8.48167	0.1598285	0.23969915	2.5666012	21	6 7.8	20.8
534810 2014 WD_{126}	17.0	X	254.93261	110.02693	253.75325	8.83000	0.0858551	0.23197329	2.6232765	21	5 20.5	20.7
534811 2014 WY_{127}	18.5	X	294.61970	96.50176	18.83393	4.42997	0.1882801	0.28699399	2.2762547	21	12 23.3	20.0
534812 2014 WD_{128}	16.8	X	294.83070	299.85635	20.99252	13.48095	0.1828321	0.24091818	2.5579359	21	4 26.5	20.1
534813 2014 WF_{128}	17.7	X	223.73122	113.25262	281.28269	8.29011	0.2121833	0.23704441	2.5857284	21	5 15.7	22.2
534814 2014 WN_{132}	18.7	X	333.09042	224.97272	244.55913	1.66416	0.0689343	0.30408196	2.1901588	21	—	—
534815 2014 WY_{138}	17.5	X	168.09623	218.03197	246.93362	2.00193	0.1805226	0.22999371	2.6383075	21	6 26.9	21.7
534816 2014 WY_{139}	18.6	X	263.41362	221.55597	251.94400	3.10813	0.1404327	0.27330977	2.3516135	21	10 24.6	21.1
534817 2014 WC_{145}	17.1	X	212.18881	18.48589	54.77722	13.79340	0.2670410	0.23487015	2.6016618	21	6 21.6	21.8
534818 2014 WH_{159}	17.3	X	232.61165	209.89107	156.51008	5.92810	0.2460917	0.23484534	2.6018450	21	4 20.2	21.7
534819 2014 WT_{159}	16.7	X	58.21755	336.77364	199.70746	13.16136	0.0883839	0.22006468	2.7170804	21	5 12.9	20.1
534820 2014 WW_{159}	18.3	X	272.55879	317.37213	137.37114	5.31902	0.1445435	0.27392136	2.3481119	21	10 14.9	20.8
534821 2014 WB_{160}	17.4	X	242.29546	276.53846	86.25999	12.35645	0.1479193	0.23310037	2.6148137	21	5 3.5	21.6
534822 2014 WV_{162}	18.2	X	312.53681	44.33825	348.45186	1.92026	0.1997073	0.27079528	2.3661485	21	9 13.5	19.7
534823 2014 WM_{163}	17.0	X	232.66086	90.09285	340.35886	12.52798	0.1340409	0.24012974	2.5635320	21	7 20.5	20.9
534824 2014 WV_{164}	17.1	X	239.80024	116.77853	253.92298	12.57645	0.1897158	0.23580865	2.5947542	21	5 1.2	21.4
534825 2014 WU_{165}	17.4	X	252.88781	305.70309	59.26477	6.55869	0.3097197	0.23981153	2.5657993	21	4 29.3	21.7
534826 2014 WC_{167}	17.9	X	331.99379	11.85451	56.72994	6.68129	0.1334183	0.29258468	2.2471652	21	—	—
534827 2014 WZ_{168}	17.2	X	114.54265	144.96287	40.96018	3.89928	0.0815846	0.23207722	2.6224932	21	8 10.2	20.9
534828 2014 WZ_{178}	17.2	X	151.19750	236.29466	268.44394	11.97361	0.2322931	0.23227634	2.6209942	21	7 30.5	21.8
534829 2014 WR_{179}	18.4	X	331.08078	279.02258	113.81452	4.91400	0.2149274	0.28324484	2.2962969	21	11 7.2	19.7
534830 2014 WV_{180}	17.7	X	251.32192	36.83702	328.48978	3.86384	0.0612999	0.22918957	2.6444751	21	5 20.6	21.4
534831 2014 WD_{184}	17.6	X	161.81706	88.89485	38.90925	12.53559	0.2397411	0.22687501	2.6624305	21	7 24.8	22.5
534832 2014 WH_{190}	18.2	X	230.42658	298.93859	104.63087	6.46090	0.3306310	0.24133992	2.5549551	21	5 28.4	22.8
534833 2014 WY_{191}	17.7	X	201.87727	328.16096	131.79424	13.77804	0.1369144	0.24271231	2.5453149	21	7 22.8	21.7
534834 2014 WM_{192}	17.0	X	210.12934	217.37525	193.10171	12.36016	0.1577962	0.23066915	2.6331547	21	5 28.9	21.4
534835 2014 WK_{193}	17.0	X	337.71624	95.54032	172.99192	14.06765	0.0531324	0.22382957	2.6865261	21	5 14.3	20.6
534836 2014 WQ_{197}	18.6	X	217.24972	108.34017	290.40212	4.59145	0.3157620	0.23315006	2.6144421	21	5 12.2	23.5
534837 2014 WK_{198}	17.3	X	240.63220	176.62974	182.08500	14.10070	0.0995892	0.22740108	2.6583227	21	4 28.9	21.3
534838 2014 WE_{200}	16.7	X	238.02780	294.62216	79.32715	18.50829	0.1724438	0.23554916	2.5966596	21	5 11.9	20.9
534839 2014 WN_{200}	16.6	X	263.65911	178.04789	188.38823	20.89421	0.3015666	0.24204547	2.5499876	21	5 11.8	21.0
534840 2014 WE_{202}	16.4	X	145.97967	251.71844	266.01484	25.89335	0.3110704	0.23363294	2.6108385	21	8 5.9	21.6
534841 2014 WY_{202}	17.1	X	274.13881	173.34794	182.14256	14.96029	0.2298837	0.24292983	2.5437952	21	5 16.0	21.0
534842 2014 WN_{203}	17.5	X	250.60769	70.31662	308.37571	5.56779	0.2397196	0.24394207	2.5367534	21	5 17.3	21.6
534843 2014 WG_{205}	17.0	X	271.20446	92.14661	265.81380	10.68347	0.2055948	0.24164970	2.5527711	21	5 15.4	20.9
534844 2014 WJ_{205}	19.0	X	356.09214	82.95459	346.86495	3.31953	0.1653022	0.29742463	2.2227200	21	—	—
534845 2014 WV_{210}	16.6	X	159.55760	201.67617	228.08522	12.00374	0.2126527	0.21605944	2.7505564	21	5 8.2	21.1
534846 2014 WL_{211}	17.0	X	224.80248	121.50671	227.61119	6.02923	0.0987799	0.21417051	2.7667055	21	3 27.9	21.2
534847 2014 WV_{211}	17.9	X	231.80592	210.16627	158.27348	2.86973	0.1554455	0.22728348	2.6592396	21	4 26.6	22.0
534848 2014 WX_{211}	18.4	X	179.79828	32.56320	81.42640	6.67814	0.2356047	0.23523261	2.5989885	21	7 19.3	22.9
534849 2014 WP_{216}	17.5	X	239.72489	214.86179	172.88928	7.08308	0.1684557	0.24009768	2.5637603	21	5 27.7	21.5
534850 2014 WA_{218}	17.5	X	133.54437	277.84449	242.35852	8.25203	0.1088621	0.24253439	2.5465595	21	7 27.7	21.4
534851 2014 WG_{218}	16.8	X	96.49777	300.47517	237.46741	21.39150	0.0625444	0.23732588	2.5836835	21	6 29.1	20.6
534852 2014 WJ_{218}	17.2	X	151.47492	75.98669	48.77637	13.26907	0.1518025	0.23378226	2.6097266	21	7 6.1	21.5
534853 2014 WB_{222}	18.4	X	261.87967	58.29516	33.48616	2.10267	0.1556766	0.26756291	2.3851669	21	9 19.9	21.3
534854 2014 WZ_{225}	18.0	X	195.48974	123.29394	290.27170	2.21961	0.1700630	0.22848652	2.6498970	21	5 17.3	22.2
534855 2014 WA_{226}	16.2	X	128.06359	262.56678	242.59723	24.32216	0.1437214	0.23099770	2.6306573	21	7 2.4	20.5
534856 2014 WX_{226}	18.5	X	270.07080	86.44159	348.68254	1.56562	0.2197249	0.26429144	2.4048094	21	8 27.6	21.3
534857 2014 WM_{227}	17.8	X	279.48348	64.29511	323.60980	2.30305	0.1866365	0.25594704	2.4567972	21	7 9.6	20.8
534858 2014 WL_{231}	16.7	X	197.30666	141.71781	256.15471	10.33602	0.1906547	0.22854156	2.6494715	21	4 27.7	21.2
534859 2014 WW_{231}	17.9	X	284.37309	67.26268	31.31159	6.18926	0.1953806	0.27762546	2.3271794	21	10 30.6	20.0
534860 2014 WY_{231}	16.7	X	135.62930	227.86076	249.68302	11.88676	0.1583869	0.22398032	2.6853206	21	6 10.9	20.8
534861 2014 WC_{233}	17.4	X	331.32255	87.02766	206.55845	3.68601	0.0832239	0.23629342	2.5912041	21	6 1.8	20.4
534862 2014 WE_{233}	18.5	X	210.89763	297.16028	246.59912	1.59337	0.1039372	0.28374678	2.2935881	21	11 27.4	21.4
534863 2014 WX_{234}	16.8	X	204.34819	133.07134	277.87392	13.42923	0.1318614	0.23099170	2.6307029	21	5 22.2	21.1
534864 2014 WD_{237}	17.6	X	167.11091	49.06227	43.85529	13.00573	0.1339995	0.22588203	2.6702275	21	6 7.6	21.9
534865 2014 WX_{241}	17.0	X	260.59242	297.57904	52.02818	14.01887	0.2988598	0.23797322	2.5789960	21	4 20.1	21.4
534866 2014 WT_{251}	16.8	X	183.06345	57.86091	45.93750	16.38557	0.1988126	0.23516837	2.5994618	21	7 9.9	21.4
534867 2014 WW_{252}	17.6	X	227.98988	221.65285	152.62183	5.94055	0.2579723	0.23580032	2.5948153	21	4 25.7	22.2
534868 2014 WY_{253}	18.0	X	221.77492	36.73943	133.60588	6.84423	0.0441931	0.28489463	2.2874233	21	12 3.6	20.8
534869 2014 WU_{259}	17.3	X	156.44124	270.97670	223.09289	11.85833	0.1139453	0.23796114	2.5790832	21	7 17.8	21.4
534870 2014 WO_{261}	17.4	X	217.22085	205.36072	216.16453	8.32461	0.1469613	0.23828460	2.5767487	21	6 17.9	21.5
534871 2014 WR_{266}	17.2	X	148.03886	39.56905	87.86418	14.15751	0.2082539	0.22835182	2.6509390	21	7 8.6	21.6
534872 2014 WS_{270}	17.7	X	272.25992	268.28594	107.34474	5.96127	0.1634622	0.24720724	2.5143666	21	6 16.5	21.0
534873 2014 WX_{270}	17.8	X	150.39119	301.66625	186.67320	4.77788	0.1501898	0.23145177	2.6272156	21	7 8.3	21.9
534874 2014 WM_{271}	17.6	X	165.27563	24.55072	84.69846	10.45744	0.1230464	0.23207573	2.6225044	21	6 28.0	21.6
534875 2014 WA_{272}	17.3	X	182.95746	312.03373	124.63496	5.69091	0.0649154	0.22894719	2.6463412	21	6 4.5	21.2
534876 2014 WR_{276}	16.8	X	145.13356	15.18316	92.17972	13.36243	0.1314298	0.22219552	2.6996814	21	6 6.6	20.9
534877 2014 WD_{280}	16.5	X	31.65529	352.73668	153.01646	5.06564	0.1846631	0.18591037	3.0404204	21	2 25.8	19.4
534878 2014 WC_{281}	17.1	X	286.32049	230.58137	120.24323	5.64003	0.1584903	0.24289561	2.5440342	21	6 2.4	20.5
534879 2014 WN_{282}	18.1	X	91.73290	161.88993	114.49616	8.30496	0.1938588	0.28296624	2.2978039	21	11 26.8	21.7
534880 2014 WU_{284}	16.9	X	341.40980	174.10298	92.48994	13.23685	0.0505819	0.22581519	2.6707544	21	5 17.8	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534881 2014 WJ_{285}	16.8	X	141.26728	21.68650	142.63246	5.41585	0.2051966	0.23770397	2.5809431	21	8 18.2	21.0
534882 2014 WH_{288}	16.9	X	297.13764	219.03136	118.25383	11.78017	0.0259943	0.23938768	2.5688269	21	6 20.1	20.3
534883 2014 WD_{289}	17.8	X	183.72320	265.72698	177.56714	11.72869	0.1390480	0.23169253	2.6253953	21	6 14.1	22.2
534884 2014 WL_{289}	17.4	X	270.21841	162.69114	182.19947	14.23730	0.2788572	0.24190271	2.5509908	21	4 22.7	21.5
534885 2014 WR_{292}	17.2	X	213.10148	320.67301	97.36268	14.92637	0.2354346	0.23624649	2.5915473	21	6 7.1	21.7
534886 2014 WH_{293}	17.6	X	231.71981	275.73558	105.91453	14.20837	0.2755961	0.23568087	2.5956920	21	5 9.9	22.3
534887 2014 WK_{293}	17.3	X	193.68611	232.40704	183.11609	12.84653	0.1631143	0.22665826	2.6641276	21	5 20.8	21.8
534888 2014 WA_{298}	17.1	X	240.21792	258.60769	106.51122	13.81675	0.2809436	0.23568680	2.5956485	21	4 27.0	21.8
534889 2014 WB_{299}	17.2	X	244.98450	256.37519	104.67967	14.44060	0.2009692	0.23218964	2.6216466	21	5 1.6	21.7
534890 2014 WZ_{299}	17.1	X	249.36689	358.64438	331.38435	8.49105	0.1177779	0.22532041	2.6746628	21	3 26.0	21.3
534891 2014 WA_{300}	16.5	X	110.47539	204.99612	269.86587	12.03092	0.0655668	0.21980050	2.7192571	21	4 24.4	20.5
534892 2014 WX_{300}	18.0	X	20.73768	49.25672	333.61357	6.64784	0.1067503	0.29781877	2.2207585	21	—	—
534893 2014 WA_{305}	18.0	X	305.29744	26.66921	1.19346	7.24293	0.2185598	0.26851799	2.3795077	21	8 19.6	20.1
534894 2014 WH_{305}	17.1	X	33.90074	340.22218	271.36515	14.13896	0.0660217	0.24464327	2.5319038	21	7 13.4	20.2
534895 2014 WS_{305}	16.2	X	198.49800	145.92634	258.23034	21.22410	0.0420163	0.22667664	2.6639836	21	5 8.6	20.2
534896 2014 WF_{306}	17.3	X	245.35930	313.68845	17.51782	12.47220	0.3058092	0.22911537	2.6450460	21	3 17.5	22.0
534897 2014 WB_{308}	16.9	X	291.67466	297.12707	2.37735	5.34450	0.0298810	0.21981367	2.7191484	21	4 20.2	20.5
534898 2014 WC_{309}	17.9	X	176.87444	92.87220	330.40184	4.50946	0.1151480	0.22237960	2.6981914	21	5 10.3	22.1
534899 2014 WF_{311}	18.4	X	231.65686	60.69935	6.51090	2.34196	0.2075470	0.24460662	2.5321567	21	7 5.4	22.3
534900 2014 WN_{313}	18.0	X	190.28053	182.72220	250.55016	2.73271	0.1290647	0.23126115	2.6286591	21	6 7.1	22.0
534901 2014 WG_{315}	17.3	X	234.97405	285.35667	76.07365	14.27085	0.1998571	0.23664936	2.5886052	21	4 22.5	21.7
534902 2014 WP_{320}	16.5	X	171.15984	198.62328	243.45041	21.27456	0.0478687	0.22607365	2.6687184	21	5 27.4	20.1
534903 2014 WV_{325}	17.6	X	250.82419	255.08436	92.55132	13.70743	0.2888047	0.23784920	2.5798924	21	4 14.1	22.3
534904 2014 WV_{332}	17.2	X	256.12167	243.75198	92.53948	14.02398	0.2170977	0.23235064	2.6204355	21	4 10.9	21.7
534905 2014 WR_{335}	17.4	X	251.77464	261.84009	81.87121	18.85101	0.3253201	0.23674583	2.5879020	21	4 11.0	22.3
534906 2014 WM_{340}	17.5	X	250.82183	239.54387	127.71071	9.54322	0.1823762	0.23898123	2.5717388	21	5 13.3	21.6
534907 2014 WS_{347}	17.0	X	263.88067	300.03600	39.71784	13.50521	0.2093525	0.23630638	2.5911094	21	4 17.5	20.9
534908 2014 WJ_{350}	17.2	X	317.53611	275.32099	120.41760	8.54023	0.1160908	0.27416604	2.3467146	21	10 13.6	19.6
534909 2014 WS_{352}	16.6	X	119.29021	74.79314	57.71655	13.91604	0.0880153	0.22488123	2.6781439	21	6 3.3	20.5
534910 2014 WH_{355}	16.4	X	154.46186	226.56899	268.17088	17.08527	0.1213140	0.21996701	2.7178846	21	7 16.6	20.7
534911 2014 WK_{355}	16.7	X	209.37328	327.69288	191.67495	6.53348	0.0992860	0.25361039	2.4718646	21	10 21.4	20.2
534912 2014 WJ_{356}	18.7	X	356.23033	127.82250	306.28774	5.94795	0.1753282	0.30192268	2.2005839	21	—	—
534913 2014 WW_{357}	16.5	X	193.46242	93.70706	2.92255	12.11963	0.1145693	0.24136558	2.5547740	21	7 13.8	20.6
534914 2014 WH_{359}	17.8	X	213.75172	87.14347	331.98157	3.95740	0.1195551	0.23490907	2.6013743	21	6 12.7	21.8
534915 2014 WO_{361}	17.0	X	245.46279	301.96420	62.60723	28.58601	0.1985622	0.23582682	2.5946209	21	5 7.0	21.3
534916 2014 WY_{361}	17.7	X	211.74969	130.07894	296.81011	12.03017	0.1473955	0.23810256	2.5780619	21	6 20.1	21.8
534917 2014 WV_{366}	18.8	X	210.59003	252.64927	207.02202	4.33758	0.4331692	0.23849709	2.5752179	21	7 16.4	23.9
534918 2014 WW_{366}	16.9	X	178.07174	19.25154	157.78768	32.29843	0.2051000	0.23574019	2.5952565	21	10 7.2	21.6
534919 2014 WS_{371}	17.3	X	223.43814	149.22008	252.36099	10.81634	0.1808127	0.23689544	2.5868123	21	5 27.3	21.3
534920 2014 WB_{373}	16.7	X	190.30863	185.83469	257.58036	11.73408	0.1604583	0.23396178	2.6083915	21	6 19.5	20.9
534921 2014 WY_{373}	17.5	X	257.69991	338.05621	29.95345	7.34755	0.2039511	0.24068278	2.5596035	21	5 14.4	21.5
534922 2014 WE_{374}	18.2	X	311.07302	329.27621	51.24985	3.44945	0.2484834	0.27295204	2.3536677	21	8 14.0	19.9
534923 2014 WQ_{374}	18.4	X	274.15133	95.37563	331.54066	1.65530	0.1877113	0.26211881	2.4180796	21	8 26.6	21.1
534924 2014 WY_{380}	16.9	X	244.46586	235.50703	159.90289	14.89077	0.1726178	0.23987228	2.5653660	21	6 11.6	21.1
534925 2014 WB_{381}	18.1	X	287.48511	120.42362	3.13013	6.75520	0.1854065	0.27977957	2.3152189	21	12 17.3	20.1
534926 2014 WD_{381}	16.9	X	238.17131	13.93750	14.52194	8.49792	0.1253539	0.22759334	2.6568254	21	5 28.0	21.0
534927 2014 WG_{381}	17.3	X	152.23788	72.94287	38.12410	10.95221	0.1996214	0.21819162	2.7326080	21	6 20.6	22.0
534928 2014 WV_{381}	16.7	X	186.15568	53.91068	64.24405	22.67954	0.0770247	0.23456855	2.6038914	21	8 7.8	21.0
534929 2014 WW_{381}	16.0	X	225.08477	331.69822	328.90529	15.01951	0.0315831	0.17860864	3.1227298	21	2 8.5	20.5
534930 2014 WC_{382}	15.9	X	204.52461	317.37879	24.17561	11.51983	0.0937334	0.19002440	2.9963771	21	3 7.5	20.6
534931 2014 WA_{383}	18.2	X	324.90724	168.02925	245.78917	6.05989	0.0835342	0.28292286	2.2980388	21	11 21.2	20.5
534932 2014 WO_{383}	17.7	X	262.64909	10.71567	87.64593	8.36368	0.0664533	0.27838677	2.3229346	21	10 20.3	20.5
534933 2014 WT_{386}	18.3	X	217.62097	349.40668	93.13690	7.76037	0.1988605	0.24397465	2.5365275	21	7 12.6	22.4
534934 2014 WE_{388}	17.2	X	240.90721	298.38523	86.95729	18.29992	0.1977057	0.23753268	2.5821837	21	5 25.4	21.5
534935 2014 WS_{389}	17.0	X	198.33072	293.77461	246.31781	9.97719	0.1189533	0.25458806	2.4655323	21	10 31.7	20.8
534936 2014 WK_{393}	17.0	X	154.02389	343.75011	124.71734	11.13403	0.2616093	0.21368237	2.7709175	21	6 22.9	22.0
534937 2014 WN_{393}	17.1	X	223.32027	279.82064	120.39316	13.26537	0.2750440	0.22578319	2.6710067	21	5 24.8	22.0
534938 2014 WG_{399}	16.5	X	91.55007	104.24907	98.69126	16.22151	0.0967574	0.22593164	2.6698366	21	8 6.8	20.3
534939 2014 WN_{399}	15.7	X	202.48919	113.63609	267.09866	15.52671	0.0879429	0.19715729	2.9236642	21	4 10.7	20.5
534940 2014 WP_{399}	16.9	X	178.40644	277.13313	255.77388	10.39859	0.1215859	0.24324053	2.5416286	21	9 27.2	21.0
534941 2014 WX_{399}	17.3	X	252.67498	222.41278	222.22844	3.68033	0.2420138	0.24274572	2.5450813	21	8 12.9	21.2
534942 2014 WA_{400}	16.2	X	127.64017	305.24222	145.59788	10.57389	0.1136874	0.18767506	3.0213312	21	4 30.7	20.8
534943 2014 WC_{400}	15.3	X	97.15597	293.56906	158.33989	14.49090	0.0983786	0.17372275	3.1810091	21	3 25.3	19.8
534944 2014 WX_{406}	17.7	X	313.40174	299.72319	79.83942	7.44805	0.1182260	0.26145810	2.4221515	21	9 8.1	20.3
534945 2014 WH_{408}	17.9	X	221.99368	312.70044	74.00959	5.71726	0.2363494	0.22946401	2.6423662	21	5 6.5	22.3
534946 2014 WC_{409}	17.2	X	260.39523	291.28893	71.91948	12.94677	0.1768072	0.23521864	2.5990914	21	5 17.2	21.0
534947 2014 WV_{410}	17.0	X	269.59948	226.92083	119.01406	7.28120	0.0255475	0.22368359	2.6876949	21	5 26.5	20.6
534948 2014 WU_{411}	17.7	X	336.53922	291.62230	67.93333	7.15280	0.1456607	0.26486776	2.4013197	21	9 22.5	19.9
534949 2014 WC_{416}	17.0	X	197.98595	317.44766	105.79311	14.79581	0.2445054	0.22950908	2.6420202	21	6 2.5	21.8
534950 2014 WF_{418}	16.6	X	173.34286	199.12514	225.30982	9.01967	0.2354422	0.21874611	2.7279882	21	5 13.9	21.4
534951 2014 WB_{421}	16.8	X	138.37206	307.49129	246.73706	7.94244	0.1481104	0.23539810	2.5977703	21	9 15.5	21.0
534952 2014 WR_{421}	16.9	X	164.62702	14.04958	101.19766	13.28078	0.1226178	0.22915065	2.6447745	21	7 5.2	20.8
534953 2014 WH_{422}	17.9	X	238.02131	308.59033	136.71554	9.84468	0.2354960	0.24360932	2.5390629	21	7 31.8	21.9
534954 2014 WJ_{423}	17.3	X	247.14145	177.62415	186.16445	5.98787	0.3372435	0.23662079	2.5888136	21	4 21.9	21.9
534955 2014 WA_{424}	17.2	X	230.24583	183.66046	236.80793	14.78078	0.1296019	0.24045426	2.5612250	21	6 29.6	21.2
534956 2014 WU_{424}	17.0	X	232.08808	304.06721	106.49742	13.02440	0.1627634	0.23195809	2.6233910	21	6 18.6	21.1
534957 2014 WK_{427}	17.4	X	191.44664	292.52507	219.49972	3.95933	0.1334584	0.23847600	2.5753698	21	9 16.3	21.4
534958 2014 WO_{427}	16.8	X	161.50663	310.77622	162.79706	7.14069	0.0932998	0.21247405	2.7814128	21	6 28.6	21.1
534959 2014 WY_{427}	16.9	X	132.44132	101.78988	119.45764	17.57159	0.1441865	0.23774080	2.5806765	21	10 25.4	21.4
534960 2014 WF_{428}	17.7	X	219.93027	177.95584	300.19557	3.68539	0.2182272	0.23988969	2.5652419	21	8 26.3	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
534961 2014 WG_{428}	17.3	X	199.74863	32.80642	113.27908	10.09725	0.2591971	0.23541163	2.5976707	21	9 14.9	21.9
534962 2014 WK_{428}	16.4	X	229.78102	321.79613	132.77266	22.73131	0.0515322	0.22660694	2.6645298	21	8 25.7	20.2
534963 2014 WZ_{428}	17.1	X	228.69889	1.30331	72.97522	8.80555	0.3022611	0.22770488	2.6559577	21	7 4.8	21.9
534964 2014 WK_{429}	16.4	X	177.56179	9.84304	109.87214	12.54214	0.1264645	0.21636967	2.7479266	21	7 24.3	20.8
534965 2014 WY_{432}	18.2	X	316.60869	34.50652	346.91128	2.35737	0.1840153	0.26718016	2.3874443	21	9 5.7	20.0
534966 2014 WX_{433}	17.8	X	312.81062	97.47069	312.22180	9.86164	0.2113466	0.27621860	2.3350747	21	10 5.6	19.7
534967 2014 WF_{434}	18.2	X	309.14227	247.75979	131.69257	6.44571	0.2829346	0.27040606	2.3684184	21	7 29.4	20.1
534968 2014 WV_{436}	17.8	X	221.48593	57.94082	348.63158	3.41130	0.2378135	0.23667131	2.5884452	21	5 28.3	22.2
534969 2014 WT_{437}	16.9	X	162.80111	222.32573	255.19623	14.04440	0.0872884	0.23562799	2.5960803	21	7 3.4	20.9
534970 2014 WT_{441}	16.8	X	107.75425	259.04784	270.82703	14.18334	0.0309704	0.23392058	2.6086977	21	7 1.7	20.3
534971 2014 WA_{446}	17.7	X	293.10647	123.61009	264.41180	5.08346	0.2417108	0.26010890	2.4305202	21	7 19.5	20.4
534972 2014 WM_{449}	16.9	X	173.42497	137.47681	271.33406	16.78772	0.1614179	0.21462112	2.7628316	21	4 16.9	21.7
534973 2014 WX_{451}	17.4	X	228.00550	101.10675	271.44166	5.02514	0.0465266	0.22160751	2.7044548	21	5 3.2	21.3
534974 2014 WJ_{453}	18.0	X	215.57235	233.72155	207.50313	5.11501	0.3148771	0.23670464	2.5882022	21	7 2.2	22.8
534975 2014 WH_{457}	18.3	X	263.54858	213.69609	265.36393	2.12638	0.1315490	0.27640397	2.3340305	21	11 4.1	20.7
534976 2014 WC_{459}	17.1	X	194.70802	180.50023	254.43365	11.58436	0.1810578	0.23280438	2.6170295	21	6 12.6	21.4
534977 2014 WM_{460}	13.5	X	326.36543	35.79264	256.53185	21.29485	0.0595100	0.08173136	5.2586818	21	6 2.4	20.2
534978 2014 WO_{460}	18.4	X	251.08444	198.12315	254.21198	1.47819	0.1736678	0.26054676	2.4277964	21	9 1.3	21.8
534979 2014 WC_{466}	18.0	X	192.16879	23.22658	43.10076	5.76335	0.1440240	0.22905651	2.6454992	21	5 30.3	22.2
534980 2014 WB_{467}	17.6	X	218.47397	115.31100	259.11382	4.40221	0.2991664	0.22734696	2.6587446	21	4 14.5	22.6
534981 2014 WG_{467}	16.1	X	102.74502	147.15266	307.43855	6.98301	0.0909382	0.17943810	3.1130991	21	3 27.9	20.5
534982 2014 WV_{467}	17.0	X	208.58557	35.95108	105.18417	11.30791	0.1642175	0.24092959	2.5578552	21	9 24.7	21.1
534983 2014 WW_{467}	16.1	X	123.66882	3.84685	104.91278	11.42806	0.0645950	0.19274459	2.9681186	21	5 12.6	20.5
534984 2014 WD_{468}	17.3	X	59.99619	314.09310	108.23710	5.83184	0.0954685	0.29836693	2.2180377	21	—	—
534985 2014 WG_{468}	17.0	X	164.70886	48.79593	87.46616	5.48361	0.1313135	0.21696746	2.7428769	21	8 2.5	21.4
534986 2014 WQ_{468}	15.7	X	66.09623	82.15658	100.61735	12.88508	0.0589502	0.19312922	2.9641765	21	5 31.4	19.7
534987 2014 WC_{469}	17.1	X	195.22073	349.18956	99.09719	10.96943	0.2643092	0.22022819	2.7157354	21	6 28.4	21.9
534988 2014 WF_{469}	16.7	X	200.09997	300.94022	121.06540	9.11871	0.2463211	0.21607628	2.7504135	21	6 2.1	21.6
534989 2014 WY_{469}	17.3	X	235.21277	108.08517	301.18201	14.20559	0.1287006	0.24403864	2.5360841	21	6 23.5	21.2
534990 2014 WW_{477}	16.9	X	188.03977	271.78178	206.88784	10.78657	0.2567655	0.22916287	2.6446805	21	7 27.4	21.8
534991 2014 WZ_{477}	16.4	X	96.17903	334.12063	238.67402	11.84803	0.1233045	0.22207207	2.7006818	21	8 21.1	20.6
534992 2014 WN_{478}	15.7	X	225.97918	94.85066	233.02923	8.27920	0.0743098	0.18050796	3.1007861	21	3 6.7	20.6
534993 2014 WB_{479}	16.8	X	164.73464	230.11237	215.35899	9.57005	0.1033077	0.20545926	2.8443666	21	5 28.5	21.2
534994 2014 WE_{479}	15.8	X	166.02634	103.16127	278.30534	15.55107	0.1770347	0.18341496	3.0679355	21	3 9.4	21.1
534995 2014 WF_{479}	17.3	X	276.34771	153.58745	267.97195	11.97505	0.1674530	0.24637235	2.5200437	21	8 18.4	20.7
534996 2014 WG_{479}	17.4	X	344.43423	231.35677	194.91223	6.66289	0.0915423	0.27443474	2.3451826	21	—	—
534997 2014 WP_{479}	16.2	X	125.05341	276.09210	172.02907	9.86684	0.0584201	0.18757812	3.0223720	21	4 16.0	20.5
534998 2014 WD_{480}	16.7	X	257.32496	263.58454	129.10076	29.43335	0.3132520	0.23339375	2.6126219	21	6 12.0	21.5
534999 2014 WE_{480}	16.9	X	166.08050	308.80028	149.09200	14.09636	0.1663177	0.21097731	2.7945522	21	6 17.4	21.7
535000 2014 WX_{480}	17.2	X	213.70423	261.67231	174.68382	12.59619	0.1676175	0.22536842	2.6742829	21	7 1.9	21.7
535001 2014 WK_{481}	17.3	X	189.97769	18.45549	133.09458	17.67777	0.0971835	0.24144297	2.5542280	21	9 22.9	21.3
535002 2014 WH_{484}	17.9	X	196.19523	55.37023	44.05950	2.64615	0.1006423	0.23977223	2.5660796	21	7 18.6	21.7
535003 2014 WW_{485}	17.9	X	345.31014	74.39743	304.59497	6.45445	0.1230059	0.27779212	2.3262485	21	11 4.1	20.1
535004 2014 WQ_{487}	16.1	X	135.68301	335.37736	115.20352	17.12165	0.1921274	0.19206305	2.9751361	21	5 18.1	21.1
535005 2014 WX_{489}	17.6	X	153.85590	275.49135	203.33655	13.07860	0.2334043	0.22495538	2.6775553	21	7 2.2	22.4
535006 2014 WR_{491}	16.9	X	252.03403	12.50906	36.67147	13.75331	0.1570776	0.24142831	2.5543315	21	7 9.7	20.8
535007 2014 WW_{492}	17.2	X	191.93455	53.43531	9.27701	12.52237	0.1215530	0.21809894	2.7333821	21	5 23.2	21.7
535008 2014 WJ_{493}	16.9	X	225.94669	151.87283	271.72727	17.86411	0.1998792	0.22960371	2.6412942	21	6 25.6	21.0
535009 2014 WS_{493}	16.5	X	146.97387	309.06442	147.13120	15.64476	0.1075389	0.20350886	2.8625110	21	5 26.9	21.2
535010 2014 WA_{494}	17.6	X	206.84469	173.02545	267.41413	15.61127	0.2200700	0.22611965	2.6683565	21	6 28.5	22.1
535011 2014 WP_{495}	16.5	X	146.90892	235.11911	265.77772	8.77768	0.0678314	0.21564327	2.7540941	21	7 15.3	20.5
535012 2014 WQ_{498}	15.6	X	219.16321	161.16023	267.34686	28.70557	0.0744686	0.23513358	2.5997182	21	7 1.6	19.4
535013 2014 WX_{498}	17.1	X	331.13607	122.51873	275.18912	22.93870	0.2042811	0.27553957	2.3389094	21	11 4.1	19.4
535014 2014 WQ_{504}	17.9	X	242.91370	330.40740	128.20347	11.68988	0.2784346	0.25811580	2.4430160	21	8 20.4	21.7
535015 2014 WW_{505}	16.7	X	122.28427	285.47141	217.44778	22.33199	0.3207539	0.21553167	2.7550448	21	7 8.7	21.9
535016 2014 WD_{506}	17.7	X	194.92718	246.44546	194.01191	12.84023	0.2290290	0.23557076	2.5965008	21	6 18.8	22.4
535017 2014 WY_{508}	7.5	X	2.02285	170.98979	343.64325	21.27026	0.7062685	0.00101625	97.9794941	21	3 9.3	22.1
535018 2014 WA_{509}	6.0	X	65.21577	335.80757	120.24933	3.00376	0.0525821	0.00340133	43.7895311	21	3 7.9	22.3
535019 2014 WE_{509}	7.2	X	36.10469	3.94964	125.54596	13.91378	0.0868053	0.00451700	36.2439793	21	3 15.6	22.5
535020 2014 WG_{509}	5.8	X	110.14753	181.19550	129.58513	21.43092	0.0845388	0.00354848	42.5703754	21	12 6.5	22.3
535021 2014 WL_{509}	6.1	X	282.18033	50.04131	184.21247	15.14733	0.1293874	0.00372479	41.2162592	21	2 7.5	22.2
535022 2014 WN_{509}	6.2	X	294.46679	317.42292	276.86819	7.11465	0.0521205	0.00361307	42.0615548	21	2 28.6	22.4
535023 2014 WO_{509}	6.3	X	7.35719	50.43737	109.11377	3.75747	0.0870119	0.00340839	43.7290347	21	3 9.8	22.3
535024 2014 WR_{509}	7.3	X	328.07342	65.36953	51.82823	26.40781	0.3429117	0.00399617	39.3284310	21	11 17.1	22.0
535025 2014 WT_{509}	7.2	X	13.95429	225.65958	182.26442	12.25352	0.2535961	0.00301102	47.4964031	21	12 5.9	22.8
535026 2014 WV_{509}	6.7	X	18.39917	196.88040	205.57316	25.36219	0.1761699	0.00309202	46.6632051	21	12 1.6	22.7
535027 2014 WY_{509}	5.8	X	283.29862	317.37414	299.01762	11.51831	0.1740944	0.00340020	43.7991902	21	2 24.4	22.2
535028 2014 WA_{510}	5.9	X	94.44131	324.35179	104.58982	2.15625	0.0386204	0.00324727	45.1637841	21	3 8.8	22.4
535029 2014 WG_{510}	6.7	X	69.05995	177.24887	167.30541	17.48714	0.2168290	0.00401511	39.2046413	21	12 12.6	22.5
535030 2014 WJ_{510}	6.6	X	3.87622	183.81254	332.56914	24.39887	0.4860899	0.00176815	67.7313400	21	3 5.0	22.1
535031 2014 WL_{510}	6.5	X	347.78379	321.31215	219.94637	4.67078	0.4330955	0.00197850	62.8413511	21	2 14.7	22.3
535032 2014 WP_{510}	7.3	X	44.92981	299.07767	73.95023	8.21918	0.1801912	0.00397328	39.4793723	21	12 7.9	22.8
535033 2014 WN_{511}	13.3	X	294.29172	227.03274	108.06703	25.75780	0.0851107	0.08323983	5.1949566	21	6 12.6	20.2
535034 2014 WN_{514}	16.4	X	200.86287	129.78480	260.90135	25.17766	0.1447350	0.21838793	2.7309702	21	4 19.8	21.2
535035 2014 WZ_{514}	16.8	X	203.75903	177.17546	274.52035	12.20176	0.1231692	0.22775699	2.6555526	21	7 13.6	21.0
535036 2014 WJ_{515}	17.8	X	325.34773	297.61290	68.41574	4.89601	0.1096368	0.26236250	2.4165820	21	9 9.3	20.2
535037 2014 WK_{515}	17.8	X	260.04875	18.87000	106.07847	6.19298	0.1011788	0.28123179	2.3072418	21	11 15.7	20.4
535038 2014 WM_{515}	18.0	X	55.93596	190.64647	111.21169	6.26568	0.1043087	0.27538245	2.3397990	21	11 8.9	21.0
535039 2014 WP_{515}	16.6	X	237.04226	68.76628	316.54847	12.00447	0.1879244	0.22256353	2.6967047	21	5 16.4	21.1
535040 2014 WR_{515}	18.3	X	309.99867	130.13815	328.79615	5.98912	0.0528522	0.29012805	2.2598324	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
535041 2014 WS_{515}	16.6	X	61.28978	341.25126	240.43110	12.40969	0.1084295	0.21329968	2.7742307	21	7 17.6	20.4
535042 2014 WX_{515}	16.5	X	3.06874	4.12360	280.27537	10.68726	0.0205148	0.23227517	2.6210030	21	7 11.0	19.8
535043 2014 WA_{516}	17.0	X	249.37913	8.36344	1.41440	13.18858	0.1625825	0.22868971	2.6483272	21	5 9.4	21.3
535044 2014 WB_{516}	17.1	X	312.81037	46.85247	242.38622	11.28941	0.1524484	0.22719878	2.6599005	21	4 14.4	20.7
535045 2014 WC_{516}	16.3	X	227.47131	129.52450	270.10247	21.37977	0.0388772	0.23351752	2.6116987	21	6 9.7	19.9
535046 2014 WD_{516}	16.2	X	38.82927	319.71806	227.48504	7.26320	0.1349967	0.18295992	3.0730202	21	5 3.2	19.9
535047 2014 WF_{516}	17.1	X	188.93713	355.55410	82.50246	5.74881	0.1323006	0.22433461	2.6824926	21	6 12.0	21.3
535048 2014 WJ_{516}	17.1	X	253.26986	272.90543	70.07766	8.71194	0.1052574	0.22036515	2.7146100	21	4 23.4	21.1
535049 2014 WK_{516}	17.3	X	247.18113	166.90745	232.94952	8.16412	0.1374033	0.22944703	2.6424965	21	6 22.2	21.3
535050 2014 WW_{516}	17.6	X	205.36099	213.71231	223.01833	1.96227	0.1207932	0.23620508	2.5918502	21	6 26.9	21.4
535051 2014 WX_{516}	17.4	X	347.46627	170.27843	109.13628	4.11691	0.0844146	0.24178094	2.5518472	21	6 7.9	20.1
535052 2014 WZ_{516}	17.9	X	272.68586	249.96148	112.49970	1.79496	0.0450184	0.24364468	2.5388172	21	6 16.9	21.0
535053 2014 WB_{517}	17.0	X	243.30088	203.02020	147.42757	14.41483	0.1988675	0.22640217	2.6661362	21	4 15.8	21.5
535054 2014 WC_{517}	17.3	X	281.05822	266.50692	78.01209	12.85344	0.0788200	0.24211256	2.5495165	21	5 29.9	20.6
535055 2014 WD_{517}	17.8	X	288.38588	116.35196	294.26471	5.55035	0.0905359	0.26685901	2.3893594	21	9 8.1	20.6
535056 2014 WE_{517}	17.5	X	236.84600	92.76132	284.05224	4.13980	0.0981865	0.22770512	2.6559558	21	5 14.8	21.5
535057 2014 WF_{517}	17.6	X	269.45448	243.93365	244.97737	5.31600	0.0715131	0.27112572	2.3642255	21	12 5.8	20.2
535058 2014 WG_{517}	17.2	X	262.58821	276.82307	141.38979	14.96220	0.0972372	0.23916809	2.5703991	21	8 11.2	20.6
535059 2014 WS_{517}	16.5	X	272.28851	289.03370	45.93540	13.62512	0.1635064	0.21444066	2.7643814	21	4 26.6	20.4
535060 2014 WV_{517}	16.1	X	356.61961	175.89795	54.78139	10.98943	0.0583904	0.18818528	3.0158677	21	4 23.8	20.1
535061 2014 WY_{517}	16.3	X	267.76966	0.89481	290.34567	8.41408	0.0622002	0.17686061	3.1432720	21	3 9.0	21.0
535062 2014 WF_{518}	17.1	X	233.96913	215.07330	133.45973	3.70923	0.1242454	0.21882497	2.7273328	21	4 7.1	21.2
535063 2014 WH_{518}	17.8	X	173.02021	344.95733	236.93612	7.35512	0.0709701	0.28246748	2.3005080	21	12 6.3	20.8
535064 2014 WJ_{518}	17.8	X	220.40982	120.01025	41.28455	5.15718	0.0828350	0.27064461	2.3670265	21	11 9.7	20.9
535065 2014 WK_{518}	17.1	X	318.97468	160.25580	131.20901	15.99196	0.1010846	0.22733998	2.6587990	21	5 14.1	20.8
535066 2014 WL_{518}	17.6	X	210.88289	92.59024	59.03264	7.49453	0.0771565	0.25540955	2.4602428	21	10 17.6	21.0
535067 2014 WM_{518}	17.4	X	237.47223	305.61736	88.27566	9.40374	0.1404745	0.23570520	2.5955134	21	6 4.3	21.4
535068 2014 WR_{518}	17.7	X	264.00852	330.54295	131.14798	5.89832	0.0887504	0.25453638	2.4658660	21	10 18.2	20.7
535069 2014 WS_{518}	16.1	X	17.24562	259.93314	262.93184	7.91689	0.0471069	0.17488915	3.1668499	21	2 21.8	20.5
535070 2014 WC_{520}	16.4	X	135.14331	161.22108	264.34814	7.29803	0.1123036	0.19049142	2.9914777	21	3 31.2	21.0
535071 2014 WU_{520}	16.1	X	194.47963	177.49802	258.43097	21.10667	0.0409843	0.22548712	2.6733443	21	6 16.2	19.8
535072 2014 WW_{520}	17.2	X	150.62351	305.72442	167.82975	12.26964	0.1272259	0.22374008	2.6872425	21	6 19.4	21.6
535073 2014 WY_{520}	17.4	X	172.71449	81.83341	23.46950	11.42457	0.1423265	0.22212383	2.7002623	21	7 1.7	21.9
535074 2014 WF_{521}	18.0	X	222.93114	84.38583	335.75681	2.92127	0.1939975	0.23632052	2.5910061	21	6 18.9	22.2
535075 2014 WH_{521}	17.5	X	290.61504	316.64099	12.02314	12.33068	0.0694544	0.23354215	2.6115151	21	5 18.4	21.1
535076 2014 WL_{521}	18.0	X	240.96432	12.22549	120.47553	5.84488	0.0898897	0.27438983	2.3454385	21	10 31.4	21.0
535077 2014 WQ_{521}	17.4	X	176.59288	124.43289	337.11487	5.28790	0.0707645	0.23708352	2.5854440	21	6 29.7	21.2
535078 2014 WT_{521}	17.7	X	227.17695	209.74929	243.02502	2.76453	0.1498380	0.23645311	2.5900374	21	8 6.9	21.5
535079 2014 WU_{521}	16.9	X	194.58381	116.54177	293.67584	5.88492	0.0506718	0.22208084	2.7006108	21	5 12.1	20.9
535080 2014 WX_{521}	17.6	X	194.11953	347.64418	75.77870	4.62673	0.1121113	0.22765161	2.6563720	21	5 29.7	21.6
535081 2014 WA_{522}	18.3	X	352.10051	44.63734	313.47227	0.92702	0.0569818	0.27279308	2.3545820	21	10 12.8	21.0
535082 2014 WB_{522}	17.2	X	144.66955	150.91769	29.43272	9.46833	0.0986310	0.23841220	2.5758292	21	9 10.5	21.1
535083 2014 WK_{522}	16.8	X	133.92972	94.36349	32.99727	10.41665	0.1124633	0.19855223	2.9099545	21	6 17.3	21.3
535084 2014 WQ_{522}	16.1	X	211.79403	27.72505	56.29241	22.62922	0.0352921	0.22879318	2.6475286	21	7 23.1	20.2
535085 2014 WV_{523}	17.6	X	326.32378	76.83548	247.31660	3.47739	0.0412564	0.24260510	2.5460647	21	7 11.4	20.7
535086 2014 WD_{524}	17.4	X	237.00603	113.97909	291.33212	2.35068	0.1290134	0.23669387	2.5882807	21	6 19.2	21.2
535087 2014 WL_{524}	17.0	X	196.66381	319.30694	69.87605	10.63767	0.1850715	0.21597098	2.7513074	21	4 23.0	21.7
535088 2014 WB_{525}	17.3	X	261.33245	101.75055	244.18779	21.25811	0.0829787	0.23749518	2.5824555	21	5 3.6	21.1
535089 2014 WM_{525}	17.6	X	198.03709	283.90611	171.30568	11.67641	0.0887919	0.23937430	2.5689227	21	7 13.6	21.6
535090 2014 WN_{525}	17.5	X	179.31458	339.22487	127.44552	14.25170	0.1352466	0.23425066	2.6062466	21	7 9.1	21.6
535091 2014 WV_{525}	17.3	X	212.15380	307.23091	128.62049	15.80870	0.1084278	0.23666642	2.5884809	21	7 4.2	21.4
535092 2014 WK_{526}	17.6	X	148.23063	313.27859	173.31778	10.91022	0.1707178	0.23045535	2.6347830	21	7 4.9	22.1
535093 2014 WR_{526}	17.1	X	244.82480	224.70197	130.69531	15.75108	0.0820229	0.22438151	2.6821188	21	5 5.2	21.3
535094 2014 WV_{526}	17.8	X	236.13586	59.35270	351.03676	9.82451	0.1886629	0.23406235	2.6076442	21	6 19.4	22.1
535095 2014 WF_{527}	17.4	X	265.75156	45.83372	346.68289	8.13821	0.1775644	0.23780657	2.5802007	21	6 30.2	21.1
535096 2014 WH_{527}	17.4	X	232.53643	337.35244	83.34838	14.29452	0.1493340	0.23159859	2.6261051	21	7 2.4	21.5
535097 2014 WL_{527}	16.6	X	222.60419	300.20774	61.14938	11.45766	0.1365568	0.20337940	2.8637256	21	4 15.0	21.3
535098 2014 WP_{527}	16.4	X	217.95200	275.33798	60.86119	12.52366	0.0822721	0.19111492	2.9849679	21	3 16.9	21.2
535099 2014 WZ_{527}	17.6	X	192.84117	107.96905	333.34751	10.96147	0.1587642	0.22929989	2.6436268	21	6 19.9	22.0
535100 2014 WH_{528}	17.3	X	337.54605	325.48881	341.35878	2.53050	0.1623688	0.24568530	2.5247397	21	6 23.5	19.8
535101 2014 WQ_{528}	17.3	X	219.85090	82.82860	319.17277	10.31065	0.1033808	0.22355757	2.6887048	21	5 27.7	21.5
535102 2014 WT_{528}	17.4	X	204.16251	107.34368	295.98780	7.32476	0.0820372	0.22851931	2.6496435	21	5 12.8	21.5
535103 2014 WD_{529}	17.2	X	233.04180	256.90108	171.68976	15.03273	0.0783022	0.24447202	2.5330860	21	7 19.4	21.0
535104 2014 WF_{529}	17.2	X	181.84623	91.80255	344.88406	11.91466	0.0895421	0.22039277	2.7143831	21	5 31.5	21.5
535105 2014 WT_{529}	18.1	X	52.98923	257.15820	95.85464	7.53628	0.0531744	0.29197496	2.2502925	21	—	—
535106 2014 WV_{529}	16.9	X	340.42735	229.82066	62.76575	14.25129	0.1612293	0.23534346	2.5981723	21	6 6.4	19.4
535107 2014 WX_{529}	17.0	X	322.56462	148.49331	169.77980	14.75555	0.1090579	0.24205256	2.5499379	21	6 19.9	20.3
535108 2014 WH_{530}	17.1	X	111.56855	212.98192	279.12803	12.13231	0.1259672	0.21615753	2.7497242	21	5 30.5	21.1
535109 2014 WT_{530}	17.0	X	217.83914	338.75431	93.26320	15.52270	0.0777849	0.23753957	2.5821338	21	7 7.4	20.6
535110 2014 WV_{530}	18.0	X	306.34903	189.53839	253.92861	5.72738	0.0778235	0.27891545	2.3199983	21	12 1.8	20.5
535111 2014 WZ_{530}	17.5	X	209.29543	286.69472	154.93362	3.78787	0.1383056	0.23814096	2.5777848	21	7 6.4	21.4
535112 2014 WP_{531}	16.9	X	270.42196	41.58235	322.06797	10.39329	0.1356037	0.23137546	2.6277932	21	5 31.6	20.8
535113 2014 WV_{531}	17.1	X	131.47006	112.09609	21.12524	10.29295	0.0701647	0.21739800	2.7392543	21	6 17.6	21.2
535114 2014 WA_{532}	17.5	X	224.39039	32.14209	14.55259	14.77662	0.0892058	0.22543403	2.6737639	21	6 7.9	21.7
535115 2014 WD_{532}	16.9	X	202.71168	60.58547	109.17643	14.24274	0.1115385	0.24298835	2.5433868	21	10 30.7	20.9
535116 2014 WH_{532}	17.4	X	255.53660	38.41993	297.83828	10.20078	0.0835489	0.22231638	2.6987029	21	4 11.1	21.5
535117 2014 WM_{532}	17.4	X	174.71847	185.50622	284.63129	11.19794	0.1503433	0.23510816	2.5999056	21	7 9.1	21.5
535118 2014 WP_{532}	16.9	X	258.93376	5.44719	307.67722	8.69330	0.2096979	0.21726805	2.7403464	21	3 7.6	21.4
535119 2014 WR_{532}	17.0	X	255.92624	126.29225	299.62960	13.98749	0.0818891	0.23797687	2.5789696	21	8 12.2	20.6
535120 2014 WX_{532}	15.9	X	13.38975	287.69077	260.52590	10.50369	0.1258647	0.17232898	3.1981378	21	3 17.4	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
535121 2014 WY_{532}	16.8	X	218.19410	140.52945	288.07077	10.42258	0.1423762	0.21950232	2.7217191	21	6 29.0	21.0
535122 2014 WZ_{532}	16.6	X	147.23033	243.01315	201.21738	10.08021	0.0996351	0.19263160	2.9692791	21	5 9.4	21.1
535123 2014 WC_{533}	16.8	X	196.63878	250.49733	161.52077	15.64939	0.1475427	0.20430823	2.8550397	21	5 21.7	21.7
535124 2014 WD_{533}	17.4	X	313.72208	198.58459	100.76858	6.91377	0.1762695	0.23381057	2.6095160	21	5 1.1	20.6
535125 2014 WE_{533}	17.6	X	214.98053	7.83058	60.25453	6.04723	0.0287616	0.23012779	2.6372826	21	7 2.9	21.3
535126 2014 WT_{533}	17.4	X	178.83823	309.91803	172.29875	13.39194	0.2112578	0.22331138	2.6906806	21	7 26.1	22.1
535127 2014 WU_{533}	17.3	X	171.10146	244.62306	246.23966	11.07167	0.1591954	0.22157012	2.7047590	21	7 28.4	21.9
535128 2014 WV_{533}	17.8	X	209.69003	237.09721	226.93620	1.55408	0.1506514	0.24458051	2.5323369	21	8 4.1	21.5
535129 2014 WY_{533}	16.9	X	308.56166	253.67703	69.67208	14.06414	0.1672222	0.23792017	2.5793793	21	5 25.7	20.1
535130 2014 WC_{534}	17.7	X	243.17692	70.28025	326.86550	1.78996	0.1339154	0.23804302	2.5784918	21	6 14.6	21.6
535131 2014 WG_{534}	17.1	X	224.92556	168.86682	257.21904	13.23914	0.0497231	0.22624976	2.6673334	21	7 8.7	20.9
535132 2014 WH_{534}	17.7	X	261.05878	335.12353	155.08626	5.95632	0.0725812	0.26693981	2.3888772	21	11 25.5	20.6
535133 2014 WK_{534}	15.7	X	193.78280	37.67021	287.06752	28.03377	0.2088522	0.17228131	3.1987277	21	1 29.3	21.4
535134 2014 WM_{534}	16.8	X	265.41770	282.24979	129.77024	22.61134	0.0587408	0.22584190	2.6705438	21	8 12.8	20.4
535135 2014 WS_{534}	17.4	X	214.36477	267.55109	147.64418	12.18836	0.1706598	0.23134017	2.6280604	21	6 7.9	21.8
535136 2014 WU_{534}	16.9	X	164.13058	356.01839	80.84900	14.25031	0.1581613	0.21348725	2.7726056	21	5 20.9	21.4
535137 2014 WY_{534}	17.1	X	211.00693	31.70001	346.09486	12.66044	0.1848023	0.21418438	2.7665861	21	4 13.1	21.9
535138 2014 WF_{535}	18.2	X	277.69144	287.64607	244.41561	8.24658	0.0552668	0.30907415	2.1665111	21	—	—
535139 2014 WH_{535}	18.4	X	35.36084	340.28506	14.85173	7.27300	0.1435026	0.29218487	2.2492147	21	12 31.6	21.3
535140 2014 WJ_{535}	16.9	X	112.53371	228.16538	38.74938	18.64396	0.0218809	0.26842091	2.3800814	21	11 17.1	20.1
535141 2014 WK_{535}	17.5	X	182.36750	14.18564	100.13086	15.05160	0.2155587	0.24209238	2.5496583	21	7 21.8	21.9
535142 2014 WP_{535}	17.6	X	355.54438	334.85223	51.06224	8.75428	0.1407940	0.27754851	2.3276095	21	12 7.9	19.8
535143 2014 WQ_{535}	18.0	X	75.89442	48.63839	312.72027	5.84984	0.1763094	0.30348011	2.1930535	21	—	—
535144 2014 XC	16.2	X	169.75835	217.57990	271.45858	25.43645	0.2119069	0.21903771	2.7255665	21	7 22.0	21.1
535145 2014 XM_4	17.7	X	208.78914	83.67845	310.64677	1.65146	0.1799546	0.22907047	2.6453917	21	5 4.8	22.1
535146 2014 XU_4	16.8	X	221.03871	146.83295	256.62527	9.28340	0.1470132	0.23548003	2.5971677	21	5 29.4	20.8
535147 2014 XA_5	14.3	X	209.66267	68.95181	337.57768	7.18317	0.1107794	0.08254416	5.2241041	21	5 28.2	21.7
535148 2014 XR_6	18.3	X	200.44424	70.43366	68.26090	27.11486	0.5317116	0.23639234	2.5904813	21	9 5.7	24.2
535149 2014 XJ_8	17.9	X	228.29116	146.88262	32.24444	6.56943	0.3708233	0.27561230	2.3384979	21	11 6.7	21.6
535150 2014 XB_{12}	15.8	X	59.14642	217.98311	251.23206	13.91431	0.1458812	0.18656255	3.0333306	21	2 16.7	19.7
535151 2014 XV_{17}	17.4	X	238.28829	217.28520	157.64902	5.29978	0.3149621	0.23550563	2.5969795	21	5 1.0	22.0
535152 2014 XM_{18}	17.0	X	181.59195	290.43726	147.62333	12.76113	0.0999142	0.23016545	2.6369949	21	6 6.5	21.2
535153 2014 XT_{20}	17.8	X	179.09242	173.34695	256.25259	7.25014	0.2422374	0.22552410	2.6730520	21	5 24.1	22.5
535154 2014 XZ_{25}	18.6	X	303.35405	166.91431	274.00910	2.34087	0.1654956	0.27933983	2.3176480	21	11 16.1	20.4
535155 2014 XH_{27}	18.2	X	291.98485	74.51277	60.28363	7.10908	0.1082914	0.29373448	2.2412971	21	—	—
535156 2014 XS_{27}	18.4	X	314.54692	92.01953	318.62332	1.54002	0.1912482	0.27448497	2.3448965	21	10 19.4	20.1
535157 2014 XY_{30}	17.1	X	231.20547	67.67020	316.93265	10.07402	0.2981510	0.23664032	2.5886712	21	5 2.7	22.0
535158 2014 XZ_{30}	16.5	X	298.20980	349.52369	322.89603	12.22315	0.0163474	0.22733521	2.6588362	21	5 15.1	20.4
535159 2014 XL_{32}	17.7	X	196.61835	216.19695	192.08541	13.51438	0.2508660	0.22817466	2.6523110	21	5 13.4	22.5
535160 2014 XF_{36}	16.4	X	260.70022	78.61969	278.86907	27.62952	0.2190121	0.23281334	2.6169624	21	4 27.6	21.1
535161 2014 XY_{36}	15.7	X	123.71961	163.61233	269.79510	12.73994	0.1163358	0.19101225	2.9860374	21	3 25.6	20.4
535162 2014 XF_{38}	18.0	X	264.59402	354.85766	123.77597	5.82354	0.1571242	0.26052775	2.4279145	21	11 1.4	20.9
535163 2014 XH_{39}	16.7	X	193.74678	185.53668	258.24346	12.23031	0.1422452	0.23221783	2.6214345	21	6 23.4	20.9
535164 2014 XJ_{39}	16.5	X	170.45390	249.87213	246.55430	14.08431	0.1591664	0.23830434	2.5766064	21	8 2.5	21.0
535165 2014 XR_{39}	17.0	X	243.40270	179.83458	224.74357	3.66917	0.2350072	0.24350850	2.5397636	21	6 14.7	21.2
535166 2014 XY_{39}	13.6	X	243.86033	101.10504	257.43190	15.79336	0.1009189	0.08246452	5.2274670	21	5 7.6	20.8
535167 2014 XT_{40}	7.3	X	18.11831	173.11370	223.80909	7.33424	0.1929351	0.00397810	39.4474513	21	11 27.4	22.4
535168 2014 XU_{40}	7.1	X	327.99518	228.01342	258.37721	4.77005	0.1722101	0.00399666	39.3252580	21	12 14.7	22.4
535169 2014 XX_{40}	7.3	X	2.32342	325.18452	202.28125	19.70097	0.5940104	0.00139597	79.2900543	21	3 16.5	22.4
535170 2014 XY_{41}	17.5	X	215.68605	171.90352	1.58148	11.73041	0.0682072	0.26716100	2.3875584	21	11 17.6	20.9
535171 2014 XD_{42}	16.7	X	206.91176	341.53035	18.58835	11.05018	0.1309768	0.20058087	2.8903007	21	3 27.6	21.2
535172 2014 XP_{42}	16.9	X	109.74362	315.50287	235.52725	11.05302	0.1886068	0.23184204	2.6242664	21	8 16.3	21.2
535173 2014 XQ_{42}	17.5	X	245.69477	117.15925	273.75988	13.81598	0.1405020	0.23898126	2.5717386	21	6 8.7	21.3
535174 2014 XR_{42}	17.5	X	206.01581	67.66801	344.59541	6.98206	0.1993320	0.22532594	2.6746190	21	5 23.2	22.1
535175 2014 XS_{42}	17.0	X	142.01445	101.46341	11.37825	14.91051	0.0520664	0.21302221	2.7766393	21	5 29.7	21.2
535176 2014 XA_{43}	16.3	X	62.59849	253.97955	243.81151	12.71726	0.1709419	0.17706984	3.1407954	21	4 8.5	20.3
535177 2014 XJ_{43}	15.9	X	254.87966	35.98417	255.64618	14.28205	0.0185166	0.17352763	3.1833933	21	2 25.1	20.7
535178 2014 XK_{43}	16.9	X	146.60147	337.48792	164.51411	14.92735	0.1326711	0.21787940	2.7352180	21	7 20.2	21.4
535179 2014 XO_{43}	17.0	X	268.53009	75.73839	264.73565	8.54525	0.0684346	0.22539173	2.6740985	21	5 7.9	20.7
535180 2014 XP_{43}	17.2	X	155.33627	41.68532	64.60964	22.85157	0.0434287	0.22560869	2.6723839	21	6 7.1	21.0
535181 2014 XV_{43}	17.1	X	315.76738	40.08252	272.32270	14.21931	0.1395905	0.23486578	2.6016940	21	5 25.0	20.4
535182 2014 XZ_{43}	18.4	X	338.40929	200.60693	255.49758	3.73472	0.0172787	0.29712770	2.2242006	21	—	—
535183 2014 XB_{44}	17.4	X	103.83538	326.42852	208.32400	12.91841	0.1251776	0.22609691	2.6685354	21	7 14.0	21.5
535184 2014 XD_{44}	16.8	X	178.17264	105.89753	294.53845	11.57693	0.0868285	0.21330742	2.7741636	21	4 8.1	21.2
535185 2014 XH_{44}	17.5	X	275.58724	189.14974	147.82931	6.75581	0.0384924	0.22514423	2.6760579	21	5 20.6	21.2
535186 2014 YL_3	16.7	X	234.18779	144.47951	293.26316	13.56703	0.0777080	0.23424093	2.6063188	21	8 1.8	20.5
535187 2014 YR_3	17.4	X	255.90528	224.37487	286.27787	6.43153	0.0630816	0.27073099	2.3665230	21	12 16.8	20.1
535188 2014 YS_4	16.9	X	174.90566	204.86722	247.15007	9.84705	0.0917454	0.23393503	2.6085903	21	6 14.9	20.9
535189 2014 YH_6	17.7	X	214.92999	336.50784	124.29016	5.93020	0.1656821	0.23789513	2.5795603	21	8 4.7	21.5
535190 2014 YU_6	16.8	X	67.51279	272.97196	279.49475	8.09379	0.0689587	0.20884008	2.8135857	21	6 14.1	20.6
535191 2014 YX_6	18.1	X	182.25039	205.51606	276.85560	5.28814	0.1986293	0.23010363	2.6374672	21	7 30.3	22.5
535192 2014 YN_7	16.7	X	310.04859	197.38404	78.21895	6.76787	0.0300170	0.19535979	2.9415705	21	4 19.9	20.7
535193 2014 YR_7	16.5	X	82.95500	107.09416	100.36625	9.17927	0.1200982	0.21791823	2.7348930	21	8 4.1	20.2
535194 2014 YV_7	17.0	X	182.00442	44.69606	10.49451	5.62283	0.1073017	0.20614185	2.8380842	21	5 6.3	21.3
535195 2014 YY_7	18.4	X	323.44981	121.50303	331.76481	5.10186	0.0969533	0.28110582	2.3079310	21	—	—
535196 2014 YC_8	17.1	X	233.74784	77.55354	314.86060	10.23512	0.2057618	0.22483064	2.6785456	21	5 21.9	21.7
535197 2014 YM_8	16.8	X	260.65563	115.15131	287.84580	10.28084	0.2682691	0.24246831	2.5470222	21	6 26.3	20.6
535198 2014 YJ_{10}	17.0	X	265.65864	127.15261	286.07177	13.88160	0.2059420	0.24253205	2.5465759	21	7 21.8	20.6
535199 2014 YZ_{10}	16.9	X	240.08097	102.82468	271.54624	13.03245	0.2023137	0.23168006	2.6254894	21	5 4.6	21.4
535200 2014 YR_{11}	16.7	X	105.41457	141.28632	317.02071	8.56996	0.0755915	0.18834527	3.0141596	21	3 31.9	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
535201 2014 YB_{12}	17.4	X	229.49648	329.87034	88.93336	16.20066	0.2355035	0.24119780	2.5559586	21	6 20.3	21.6
535202 2014 YT_{12}	16.9	X	235.58839	10.55239	352.52838	6.61203	0.0750288	0.21482776	2.7610596	21	4 27.1	20.9
535203 2014 YJ_{15}	16.0	X	250.97784	132.51549	243.46159	28.98389	0.3571179	0.23807422	2.5782665	21	5 6.4	20.7
535204 2014 YF_{16}	16.3	X	211.85350	243.02018	120.59150	13.06695	0.1766298	0.20171533	2.8794538	21	4 8.4	21.3
535205 2014 YR_{18}	16.6	X	143.22055	25.71141	74.51024	4.14686	0.0486659	0.21496759	2.7598622	21	5 18.5	20.4
535206 2014 YM_{21}	17.7	X	231.37702	86.64383	104.36505	6.84646	0.0809156	0.27571832	2.3378984	21	—	—
535207 2014 YU_{21}	16.6	X	153.90920	21.97873	113.22439	14.51486	0.2235330	0.22000485	2.7175730	21	7 23.9	21.3
535208 2014 YQ_{23}	16.0	X	115.66148	140.46452	298.55132	14.21423	0.0307511	0.18481050	3.0524716	21	3 11.4	20.6
535209 2014 YV_{23}	15.7	X	77.98347	160.24703	289.97524	16.36650	0.1736774	0.17877663	3.1207733	21	2 25.6	20.0
535210 2014 YW_{23}	16.8	X	298.28703	45.99672	295.64355	11.85120	0.2136764	0.24699105	2.5158335	21	5 25.5	20.3
535211 2014 YD_{24}	16.8	X	163.70887	176.83545	285.37251	13.16140	0.1400095	0.22690621	2.6621864	21	6 18.6	21.0
535212 2014 YB_{28}	17.1	X	150.93447	230.27311	327.72834	5.43572	0.0956371	0.25243516	2.4795307	21	10 4.6	20.7
535213 2014 YZ_{28}	16.8	X	285.10685	5.65315	4.89585	5.35734	0.2313566	0.24382604	2.5375581	21	6 15.2	20.1
535214 2014 YC_{29}	16.5	X	197.33138	69.73717	316.67035	10.24588	0.0484124	0.20444013	2.8538115	21	4 12.4	20.9
535215 2014 YY_{30}	17.3	X	125.61400	217.23029	356.89248	10.10951	0.0444177	0.24519378	2.5281126	21	9 25.3	20.6
535216 2014 YH_{31}	16.7	X	138.21403	123.09769	33.44635	12.87152	0.1306684	0.22294056	2.6936634	21	8 5.9	21.1
535217 2014 YN_{32}	17.3	X	244.38896	329.47256	81.85905	8.72522	0.1810848	0.23830879	2.5765743	21	6 29.7	21.2
535218 2014 YK_{38}	18.3	X	225.31940	141.98135	58.69573	4.19488	0.1425009	0.27789282	2.3256864	21	12 31.5	21.3
535219 2014 YX_{42}	16.7	X	191.01482	337.09215	83.22066	14.64646	0.1982413	0.21204027	2.7852049	21	5 24.8	21.5
535220 2014 YC_{43}	17.7	X	253.19116	40.88730	103.75552	6.35203	0.1725132	0.26351059	2.4095577	21	11 17.7	20.6
535221 2014 YN_{44}	18.9	X	272.53336	185.26184	93.65740	22.21196	0.3277650	0.48451034	1.6054644	21	—	—
535222 2014 YZ_{44}	17.5	X	204.02062	304.68959	152.53709	4.60827	0.2275937	0.24085570	2.5583783	21	7 16.9	21.8
535223 2014 YL_{45}	17.0	X	248.39843	234.86759	154.42767	5.77698	0.2366303	0.24122822	2.5557438	21	5 31.8	21.1
535224 2014 YR_{46}	17.2	X	221.90895	229.77449	218.62144	6.68753	0.2825264	0.23979290	2.5659322	21	7 16.6	21.7
535225 2014 YH_{47}	16.8	X	187.32710	210.25101	262.27714	7.39971	0.2628826	0.22500033	2.6771988	21	7 20.8	21.6
535226 2014 YV_{47}	16.2	X	199.36018	204.05463	263.38114	30.94688	0.1899327	0.23919443	2.5702104	21	7 17.8	20.9
535227 2014 YS_{49}	16.6	X	192.05140	244.97499	184.21839	7.77295	0.2273658	0.22199914	2.7012732	21	6 3.9	21.4
535228 2014 YE_{50}	5.5	X	43.49325	286.29605	121.24097	26.93570	0.3782682	0.00216894	59.1068680	21	1 31.8	22.4
535229 2014 YG_{50}	7.2	X	46.03737	106.93031	303.77753	19.11860	0.1959046	0.00401102	39.2313259	21	1 16.2	22.6
535230 2014 YH_{50}	6.3	X	15.41074	12.62851	102.17465	40.75950	0.3161377	0.00232879	56.3700852	21	2 16.1	22.4
535231 2014 YJ_{50}	6.8	X	54.33162	46.56876	12.23787	7.29220	0.1969676	0.00400841	39.2483628	21	2 4.4	22.4
535232 2014 YO_{51}	16.8	X	318.28605	9.38471	257.23858	8.60312	0.0161503	0.21441028	2.7646425	21	4 13.2	20.7
535233 2014 YO_{53}	16.2	X	148.69682	75.08278	339.84455	9.71721	0.0790220	0.19044836	2.9919286	21	3 29.8	20.7
535234 2014 YP_{53}	16.5	X	9.88500	239.71297	318.22808	3.29020	0.1218654	0.18321389	3.0701796	21	3 26.6	20.3
535235 2014 YQ_{53}	17.1	X	205.48258	287.60271	104.74086	6.18541	0.1813083	0.21302459	2.7766186	21	5 3.3	21.8
535236 2014 YT_{53}	16.7	X	228.80755	332.90136	348.26300	9.80820	0.0205910	0.18329409	3.0692840	21	3 7.8	20.9
535237 2014 YY_{53}	17.3	X	314.17454	262.90027	93.25575	5.04806	0.1355963	0.23864901	2.5741250	21	7 28.1	20.0
535238 2014 YA_{54}	16.5	X	235.79635	329.20126	32.12679	9.37132	0.1540055	0.21335234	2.7737742	21	4 21.7	20.9
535239 2014 YE_{54}	15.8	X	12.45260	94.93676	129.38710	16.75760	0.1432126	0.17508513	3.1644862	21	5 14.6	19.8
535240 2014 YG_{54}	16.9	X	253.13265	340.92954	85.37561	22.65659	0.0888573	0.23333386	2.6130690	21	8 16.9	20.9
535241 2014 YK_{54}	17.0	X	131.71333	265.57467	280.84335	12.43047	0.1089180	0.24224073	2.5486172	21	8 25.9	21.0
535242 2014 YM_{54}	17.8	X	200.44596	124.67291	53.81090	3.58451	0.1154695	0.26114237	2.4241035	21	11 4.0	21.1
535243 2014 YN_{54}	17.6	X	0.86778	3.48198	336.26840	5.26458	0.1372326	0.25984857	2.4321433	21	10 3.8	19.8
535244 2014 YO_{54}	17.2	X	55.08150	321.23738	307.69903	14.22284	0.0851558	0.23952596	2.5678382	21	9 6.6	20.7
535245 2014 YP_{54}	17.2	X	190.87187	99.55680	3.10595	7.14790	0.0543800	0.22599387	2.6693464	21	7 19.6	21.1
535246 2014 YQ_{54}	17.2	X	161.82382	219.46243	13.47438	9.57837	0.0680845	0.26558573	2.3969900	21	12 2.9	20.7
535247 2014 YR_{54}	16.4	X	30.18067	11.34741	286.39688	12.83937	0.0811492	0.24025076	2.5626711	21	9 7.9	19.8
535248 2014 YU_{54}	16.4	X	150.80553	343.87071	136.81383	13.21395	0.0646092	0.21933353	2.7231153	21	6 25.1	20.5
535249 2014 YW_{54}	17.0	X	198.33019	59.88152	13.59936	5.33342	0.0530314	0.22260717	2.6963522	21	6 17.6	20.9
535250 2014 YA_{55}	17.4	X	99.57119	131.59129	77.11411	14.24030	0.1170775	0.22552188	2.6730696	21	8 31.7	21.5
535251 2014 YD_{55}	16.2	X	275.64625	238.94371	79.82400	12.19596	0.0746452	0.17905385	3.1175513	21	4 27.9	20.8
535252 2014 YG_{55}	18.2	X	196.04640	156.61257	40.08645	2.15748	0.1132772	0.26248865	2.4158077	21	11 22.3	21.4
535253 2014 YK_{55}	17.0	X	245.95008	356.32570	72.85153	17.21046	0.1039434	0.23964094	2.5670167	21	8 8.6	20.9
535254 2014 YM_{55}	17.7	X	352.00014	56.87126	347.51642	5.10868	0.1127101	0.27495937	2.3421985	21	12 25.3	20.1
535255 2014 YN_{55}	17.4	X	247.13044	176.92493	342.55383	10.68210	0.1225185	0.27030390	2.3690152	21	12 4.9	20.5
535256 2014 YP_{55}	18.4	X	293.30537	133.58329	356.61784	6.93376	0.0996094	0.28024116	2.3126759	21	—	—
535257 2014 YU_{55}	17.7	X	215.06457	215.56452	158.83762	2.35603	0.0840753	0.20388980	2.8589445	21	4 22.3	22.0
535258 2014 YW_{55}	16.8	X	293.91191	358.20780	321.14011	8.17096	0.1398400	0.21163081	2.7887963	21	5 1.2	20.8
535259 2014 YJ_{56}	16.8	X	136.15708	14.10702	84.87777	12.47249	0.0776596	0.18553735	3.0444942	21	5 15.7	21.4
535260 2014 YK_{56}	16.6	X	170.67910	213.44987	229.54587	14.34886	0.1205290	0.20573004	2.8418702	21	5 31.7	21.1
535261 2014 YP_{56}	16.4	X	194.45813	61.14225	31.77404	22.44043	0.0442839	0.22627579	2.6671288	21	7 12.4	20.7
535262 2014 YV_{56}	17.2	X	256.06861	323.20488	36.30426	3.59004	0.1998704	0.21860930	2.7291262	21	5 4.6	21.5
535263 2014 YW_{56}	16.9	X	238.41030	334.99373	61.69304	5.85981	0.1404359	0.22390095	2.6859551	21	6 8.3	20.9
535264 2014 YX_{56}	18.4	X	242.64234	241.49908	264.67486	1.63510	0.0837957	0.26442376	2.4040070	21	11 17.2	21.3
535265 2014 YC_{57}	16.5	X	240.21522	302.71314	87.11421	15.06671	0.0922815	0.21449570	2.7639084	21	6 7.6	20.5
535266 2014 YE_{57}	16.8	X	226.41385	327.82974	35.38082	9.27831	0.1178361	0.20660775	2.8338159	21	4 18.2	21.1
535267 2014 YG_{57}	17.3	X	154.41888	183.35427	6.19936	9.24125	0.0831785	0.24306678	2.5428397	21	9 28.8	21.0
535268 2014 YH_{57}	17.8	X	292.24025	264.72559	225.83188	4.62910	0.0949144	0.28116852	2.3075879	21	—	—
535269 2014 YL_{57}	16.7	X	280.04144	57.19521	257.55467	3.06892	0.0922569	0.20260327	2.8710345	21	4 17.9	20.7
535270 2014 YN_{57}	17.2	X	331.01469	194.09208	111.20000	3.07544	0.0623972	0.21815661	2.7329003	21	6 20.5	20.5
535271 2014 YO_{57}	17.0	X	114.41191	119.80803	93.23324	6.95503	0.0968049	0.23403001	2.6078845	21	9 18.6	20.9
535272 2014 YP_{57}	16.7	X	100.66714	171.13611	308.73502	9.52752	0.0809224	0.19796061	2.9157494	21	4 21.7	21.0
535273 2014 YR_{57}	17.7	X	358.32681	359.63531	67.65364	6.08992	0.0336639	0.28333508	2.2958093	21	—	—
535274 2014 YT_{57}	16.4	X	207.53873	26.32247	346.47186	11.44687	0.0692848	0.19746729	2.9206035	21	4 8.4	20.9
535275 2014 YE_{58}	17.0	X	192.62016	262.10800	148.61803	9.83303	0.0592178	0.21015625	2.8018261	21	5 15.9	21.3
535276 2014 YG_{58}	16.1	X	141.40558	113.11001	282.77476	8.99211	0.1205233	0.18209423	3.0827520	21	3 2.9	20.9
535277 2014 YM_{58}	17.2	X	239.01451	275.57186	126.03628	2.84292	0.0796541	0.22457970	2.6805405	21	6 22.1	21.0
535278 2014 YN_{58}	17.5	X	207.92273	143.89731	287.37457	5.15695	0.1354441	0.22469243	2.6796440	21	6 22.2	21.7
535279 2014 YR_{58}	16.2	X	197.24454	49.18200	283.18922	10.11375	0.0867097	0.17644895	3.1481590	21	2 11.6	21.2
535280 2014 YW_{58}	16.4	X	233.43246	40.30915	289.70779	6.41033	0.0385827	0.18659077	3.0330247	21	3 18.9	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
535281 2014 YM_{59}	17.9	X	226.38488	172.52166	208.31365	2.04694	0.2020311	0.21745871	2.7387445	21	5 4.1	22.5
535282 2014 YW_{59}	18.4	X	277.05976	17.94687	67.74378	5.22751	0.1430872	0.25854446	2.4403150	21	10 7.1	21.1
535283 2014 YD_{60}	17.5	X	197.94323	105.47529	88.85988	6.78904	0.0511518	0.26465676	2.4025958	21	11 29.5	20.7
535284 2014 YF_{60}	17.0	X	163.27843	348.25233	85.24363	3.22138	0.0435585	0.20276507	2.8695070	21	5 8.7	21.0
535285 2014 YY_{60}	17.8	X	239.10932	355.07103	92.12862	3.07411	0.0975546	0.24150890	2.5537632	21	8 21.8	21.4
535286 2014 YD_{61}	17.2	X	359.67239	296.77068	331.45126	2.86480	0.0502295	0.21294406	2.7773186	21	6 13.9	20.8
535287 2014 YN_{61}	17.9	X	195.40110	32.77252	54.20034	8.43004	0.1751547	0.22771242	2.6558991	21	6 28.7	22.3
535288 2014 YP_{61}	16.8	X	201.79116	332.53523	40.38597	5.90697	0.1211692	0.20283592	2.8688388	21	4 6.9	21.2
535289 2014 YS_{61}	16.8	X	214.39241	23.07586	83.19505	22.76950	0.0589430	0.23601351	2.5932525	21	8 29.1	20.9
535290 2014 YY_{61}	17.4	X	182.45419	108.43517	68.68098	14.55405	0.1824100	0.23734764	2.5835256	21	10 15.1	21.8
535291 2014 YZ_{61}	18.2	X	358.62968	351.00447	55.56386	5.93943	0.0434374	0.28222625	2.3018187	21	12 31.8	20.9
535292 2014 YJ_{62}	17.2	X	239.21924	51.63208	327.02459	10.81785	0.1044783	0.21653335	2.7465417	21	5 17.5	21.5
535293 2014 YN_{62}	17.0	X	141.02913	92.69156	96.18914	14.62952	0.0703595	0.23676256	2.5877801	21	9 19.4	21.0
535294 2014 YW_{62}	16.9	X	142.81273	54.54374	40.74249	9.63134	0.0782495	0.20455402	2.8527521	21	5 13.8	21.1
535295 2014 YX_{62}	17.0	X	158.82655	40.00119	57.53867	6.25634	0.0428322	0.21064807	2.7974633	21	6 1.9	21.0
535296 2014 YE_{63}	16.2	X	353.55308	136.93182	70.95844	11.77984	0.0162278	0.16808968	3.2516866	21	3 30.4	20.9
535297 2014 YH_{63}	16.3	X	247.96734	255.37391	87.34483	11.84185	0.0464854	0.18005980	3.1059291	21	4 28.5	20.9
535298 2014 YJ_{63}	16.0	X	184.23566	351.48138	69.30811	12.99073	0.0545110	0.18973141	2.9994611	21	5 18.5	20.4
535299 2014 YK_{63}	16.7	X	6.02037	337.39956	32.23126	15.93199	0.1354431	0.24553759	2.5257521	21	11 20.9	19.6
535300 2014 YP_{63}	17.5	X	229.81337	62.57012	80.61210	15.67323	0.0652309	0.24208294	2.5497245	21	11 2.3	21.2
535301 2014 YQ_{63}	16.2	X	116.91877	47.98458	64.69171	19.12785	0.0679105	0.18089973	3.0963077	21	5 10.0	20.7
535302 2014 YV_{63}	15.8	X	57.28491	244.76027	244.17771	17.54525	0.1046524	0.17522366	3.1628182	21	3 7.5	20.2
535303 2014 YB_{64}	16.5	X	202.20700	273.18016	88.07067	11.71530	0.0197915	0.18774042	3.0206300	21	3 31.3	21.0
535304 2014 YJ_{64}	16.5	X	265.94556	1.10203	315.94102	7.36365	0.0093339	0.18955482	3.0013236	21	4 13.4	20.9
535305 2014 YK_{64}	16.0	X	261.27319	320.04162	330.78719	11.19779	0.0898300	0.18361929	3.0656590	21	2 28.3	20.5
535306 2015 AV	17.1	X	213.60871	213.93805	195.58738	12.49414	0.1622345	0.23524385	2.5989057	21	5 30.5	21.4
535307 2015 AB_{1}	16.5	X	311.11090	200.32860	107.30852	22.89838	0.0462457	0.23207066	2.6225426	21	6 1.4	20.2
535308 2015 AC_{2}	13.5	X	343.32116	69.46913	215.75881	27.69545	0.0590819	0.08151613	5.2679344	21	6 13.3	20.4
535309 2015 AH_{2}	17.3	X	272.82084	200.26324	153.65932	15.33786	0.1238120	0.23752025	2.5822738	21	5 28.1	21.2
535310 2015 AR_{2}	16.6	X	169.85064	66.16075	46.50504	14.90204	0.0897273	0.21822150	2.7323586	21	7 7.3	21.0
535311 2015 AN_{5}	17.2	X	192.32216	287.70716	131.42323	12.92069	0.1799539	0.23122990	2.6288959	21	5 25.3	21.8
535312 2015 AW_{5}	18.0	X	25.47461	209.96130	145.63944	7.10388	0.1402886	0.28859413	2.2678329	21	12 17.2	20.6
535313 2015 AO_{6}	16.7	X	295.44298	327.83001	29.07686	14.36495	0.2329025	0.24379627	2.5377647	21	6 7.7	20.1
535314 2015 AK_{10}	16.1	X	208.69130	285.76858	31.56286	12.06470	0.0662025	0.17451707	3.1713496	21	2 14.3	21.1
535315 2015 AL_{10}	17.1	X	231.09471	330.77260	48.14034	10.53946	0.3374483	0.22552323	2.6730589	21	4 29.4	21.9
535316 2015 AV_{10}	17.1	X	148.14512	87.31781	51.13669	14.06011	0.1819188	0.22152862	2.7050969	21	7 24.2	21.8
535317 2015 AZ_{10}	17.4	X	171.93669	87.32698	19.32772	12.81644	0.2350536	0.22313811	2.6920733	21	7 4.5	22.3
535318 2015 AS_{12}	16.6	X	194.50638	3.00825	94.66384	22.68567	0.0322130	0.22429856	2.6827800	21	7 16.1	20.4
535319 2015 AD_{14}	15.7	X	247.29243	278.88390	0.24726	16.34013	0.0925376	0.17278866	3.1924631	21	2 8.5	20.7
535320 2015 AE_{14}	17.2	X	161.54409	48.10109	49.51790	14.22203	0.1688344	0.21552583	2.7550945	21	6 9.8	21.8
535321 2015 AN_{14}	17.0	X	202.13722	79.05887	48.32535	14.30216	0.0512065	0.24016285	2.5632964	21	9 11.7	20.8
535322 2015 AQ_{16}	17.1	X	174.16271	62.81742	35.36605	14.51961	0.1698128	0.21733940	2.7397467	21	6 22.9	21.8
535323 2015 AR_{16}	17.2	X	296.97286	60.05953	22.87034	15.09074	0.0081469	0.25958069	2.4338163	21	11 12.9	20.4
535324 2015 AH_{17}	17.2	X	193.94842	268.69724	157.12970	13.57459	0.1320852	0.22999591	2.6382906	21	6 3.6	21.6
535325 2015 AA_{18}	16.8	X	191.58868	288.66770	146.28894	13.30912	0.2003105	0.23004023	2.6379518	21	6 11.6	21.5
535326 2015 AK_{18}	17.7	X	268.69433	18.96442	110.14690	7.83813	0.0370936	0.27216958	2.3581766	21	12 10.4	20.6
535327 2015 AZ_{19}	17.1	X	230.63450	295.06360	114.81472	14.57318	0.1285065	0.23929804	2.5694684	21	6 19.4	21.0
535328 2015 AF_{20}	16.4	X	125.70590	242.52806	248.62974	20.39945	0.0931411	0.22262298	2.6962245	21	6 10.7	20.3
535329 2015 AG_{29}	16.5	X	227.63603	220.29250	103.86378	13.81842	0.1283996	0.18903670	3.0068052	21	3 9.1	21.5
535330 2015 AW_{30}	17.5	X	215.54349	323.49283	116.94080	13.09449	0.1600530	0.23313068	2.6145870	21	7 10.0	21.6
535331 2015 AD_{34}	18.2	X	234.46943	35.55503	134.02910	1.99624	0.1304041	0.26977343	2.3721197	21	12 2.2	21.0
535332 2015 AZ_{34}	17.0	X	234.79604	75.71799	301.62544	10.46510	0.0961135	0.21544707	2.7557659	21	5 12.1	21.3
535333 2015 AX_{35}	16.5	X	194.10408	274.28205	110.86745	13.44895	0.1523108	0.20389098	2.8589334	21	4 19.4	21.4
535334 2015 AO_{37}	17.0	X	245.42095	259.55174	86.00272	3.17963	0.0782241	0.20414667	2.8565457	21	4 20.3	21.1
535335 2015 AQ_{38}	17.0	X	191.29032	153.26531	303.19458	10.63765	0.0237245	0.22524797	2.6752361	21	7 11.7	20.7
535336 2015 AL_{39}	17.5	X	297.50451	275.83966	30.89936	2.27359	0.0516487	0.20673289	2.8326723	21	5 6.6	21.1
535337 2015 AR_{39}	16.3	X	134.70342	110.67257	309.34858	9.47012	0.0799911	0.18838836	3.0136999	21	3 19.5	20.8
535338 2015 AP_{40}	17.8	X	214.68677	276.63144	118.78116	3.37069	0.1097319	0.21500340	2.7595557	21	5 16.7	22.0
535339 2015 AB_{41}	16.5	X	276.10436	243.52684	109.02029	14.87363	0.0419738	0.21939218	2.7226299	21	6 10.9	20.3
535340 2015 AF_{41}	17.9	X	195.98827	31.45000	104.89048	0.86163	0.1033596	0.24238527	2.5476039	21	9 4.7	21.5
535341 2015 AH_{41}	18.2	X	295.36680	314.14803	114.94423	5.93927	0.2137710	0.26434328	2.4044949	21	10 4.9	20.4
535342 2015 AF_{49}	16.9	X	263.99165	184.43857	197.53640	16.88621	0.2043918	0.24352846	2.5396249	21	6 9.7	20.9
535343 2015 AX_{49}	17.8	X	171.00078	243.91202	205.55578	11.50305	0.2344937	0.22615901	2.6680469	21	6 11.4	22.6
535344 2015 AV_{52}	18.1	X	198.88519	354.25640	174.55362	1.41869	0.1220844	0.25704443	2.4497998	21	10 19.8	21.7
535345 2015 AX_{52}	17.8	X	189.23320	334.87695	116.45869	4.27174	0.2080729	0.22731113	2.6590240	21	6 28.2	22.2
535346 2015 AC_{59}	17.4	X	159.82318	330.27437	118.71251	5.91620	0.1411908	0.21317565	2.7753067	21	5 30.0	21.8
535347 2015 AX_{59}	17.2	X	200.00316	124.25135	280.74348	3.91235	0.0667420	0.21211122	2.7845837	21	5 12.7	21.4
535348 2015 AZ_{62}	17.1	X	200.79794	255.92706	159.84927	2.86849	0.0807301	0.21740278	2.7392142	21	5 28.5	21.1
535349 2015 AO_{63}	17.5	X	258.95625	299.16833	126.80791	10.88726	0.1468925	0.24705283	2.5154141	21	8 10.7	20.9
535350 2015 AW_{64}	16.0	X	14.05879	245.89586	281.27219	14.33203	0.0642182	0.17887046	3.1196819	21	2 18.9	20.3
535351 2015 AQ_{67}	17.7	X	274.91976	162.59484	276.99291	4.28360	0.1760545	0.25832037	2.4417261	21	9 14.0	20.5
535352 2015 AL_{68}	16.1	X	247.88824	352.10054	293.87611	10.80445	0.0745773	0.17834313	3.1258283	21	2 9.2	20.9
535353 2015 AP_{68}	17.0	X	116.00090	85.40984	113.99280	12.16235	0.2015486	0.22864640	2.6486615	21	9 12.1	21.4
535354 2015 AA_{69}	16.2	X	270.15242	195.01058	108.86916	10.23272	0.0616603	0.19624386	2.9327294	21	4 3.3	20.5
535355 2015 AK_{70}	17.5	X	274.58852	254.40228	98.59528	7.52742	0.0730299	0.22187115	2.7023120	21	6 3.6	21.2
535356 2015 AU_{73}	16.9	X	271.26625	226.98371	112.16530	4.45803	0.0969942	0.21350863	2.7724204	21	5 9.7	20.8
535357 2015 AV_{75}	17.6	X	261.64469	189.88210	163.58155	3.43257	0.1021065	0.21619079	2.7494422	21	5 15.3	21.6
535358 2015 AH_{76}	17.2	X	253.73563	116.58930	288.13085	12.33101	0.1447910	0.23622075	2.5917356	21	7 6.0	20.7
535359 2015 AR_{79}	16.3	X	28.99713	243.65819	286.26138	9.34880	0.0846530	0.18434727	3.0575829	21	3 16.8	20.4
535360 2015 AQ_{80}	17.1	X	225.12817	274.15262	128.53032	5.66418	0.1217453	0.22221268	2.6995424	21	6 4.8	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
535361 2015 AG_{81}	17.2	X	208.97916	317.98612	118.09118	22.62343	0.0394402	0.22506566	2.6766806	21	7 5.8	21.0
535362 2015 AS_{85}	18.5	X	240.89054	60.35452	65.04119	2.43771	0.1320853	0.25745152	2.4472166	21	10 10.9	21.8
535363 2015 AU_{85}	17.8	X	263.17855	31.40072	16.51863	1.72500	0.1935630	0.24284714	2.5443727	21	7 15.2	21.2
535364 2015 AZ_{85}	17.5	X	95.88608	273.43724	331.97317	3.96640	0.1506240	0.24151831	2.5536968	21	10 10.6	21.4
535365 2015 AF_{94}	16.4	X	333.86139	214.00076	354.25846	16.61038	0.1266994	0.17929750	3.1147263	21	2 17.9	20.5
535366 2015 AW_{97}	16.7	X	268.35884	217.29932	173.76162	15.26501	0.1275687	0.24243997	2.5472206	21	7 6.7	20.4
535367 2015 AM_{102}	17.8	X	239.79713	255.11045	307.86305	3.68133	0.1735878	0.28217725	2.3020851	21	—	—
535368 2015 AL_{106}	16.8	X	210.39825	250.24534	122.85250	11.05788	0.1141606	0.20250511	2.8719622	21	4 19.2	21.5
535369 2015 AX_{107}	16.6	X	12.63564	246.39455	294.30609	8.86304	0.0288803	0.18270077	3.0759254	21	3 8.3	20.9
535370 2015 AQ_{110}	16.7	X	194.21374	245.68229	126.43183	8.95856	0.0493221	0.19196229	2.9761771	21	4 1.4	21.2
535371 2015 AG_{111}	16.2	X	240.58111	15.16935	284.79070	8.81735	0.0672247	0.17837231	3.1254875	21	2 17.8	21.0
535372 2015 AW_{111}	16.8	X	191.85776	152.34032	276.62132	3.40536	0.0342043	0.21386320	2.7693553	21	6 4.5	20.8
535373 2015 AC_{121}	15.7	X	222.00590	27.23352	290.32681	8.86574	0.0331971	0.17754708	3.1351647	21	2 20.6	20.4
535374 2015 AY_{121}	17.0	X	152.21811	351.43005	128.89809	12.97454	0.1100513	0.21677872	2.7444687	21	6 28.8	21.3
535375 2015 AG_{123}	16.7	X	330.88783	85.93282	155.12176	4.33865	0.0485327	0.18851359	3.0123651	21	3 31.4	20.7
535376 2015 AX_{126}	17.6	X	159.95575	284.27652	294.08322	7.41106	0.0990887	0.25647646	2.4534152	21	11 9.5	21.4
535377 2015 AP_{131}	16.9	X	263.69673	278.14087	67.13226	1.59154	0.0807713	0.20949301	2.8077366	21	5 9.5	20.8
535378 2015 AW_{131}	16.4	X	51.26816	191.59610	310.64426	7.50705	0.0542080	0.18210801	3.0825966	21	3 14.5	20.6
535379 2015 AX_{132}	17.1	X	295.70436	303.70802	3.20376	1.77026	0.0452304	0.20401779	2.8577486	21	5 5.3	21.1
535380 2015 AG_{133}	16.5	X	239.87155	256.48633	109.25724	5.56111	0.1086066	0.20987529	2.8043260	21	5 7.1	20.7
535381 2015 AZ_{135}	17.5	X	283.11111	253.11220	89.74698	3.36438	0.1774914	0.22153216	2.7050680	21	5 16.4	21.1
535382 2015 AK_{138}	16.1	X	318.92094	277.92109	300.91977	11.06900	0.0641555	0.17387153	3.1791943	21	2 12.9	20.6
535383 2015 AE_{146}	16.1	X	249.90409	337.48415	320.99042	8.38483	0.0563674	0.18109422	3.0940904	21	2 28.2	20.6
535384 2015 AO_{149}	18.6	X	303.69929	5.93718	97.14543	5.80917	0.1988152	0.27644078	2.3338233	21	12 20.2	20.2
535385 2015 AP_{151}	18.5	X	263.41426	32.26429	84.71234	2.38698	0.1368363	0.26300432	2.4126489	21	10 30.2	21.3
535386 2015 AZ_{151}	17.3	X	280.51183	265.64973	114.47531	15.38690	0.1806545	0.23678922	2.5875858	21	7 1.1	20.8
535387 2015 AC_{152}	16.7	X	133.83867	67.65012	114.88223	16.09139	0.1043045	0.23029174	2.6360308	21	9 1.2	20.8
535388 2015 AV_{152}	18.6	X	249.61562	176.92319	336.05401	2.21092	0.1338429	0.26871477	2.3783459	21	11 28.8	21.5
535389 2015 AM_{154}	16.4	X	296.27692	276.50934	321.75906	8.99245	0.0655097	0.17113119	3.2130435	21	2 11.2	21.0
535390 2015 AR_{155}	16.3	X	22.98100	206.36899	313.30671	10.02855	0.0369092	0.17628145	3.1501529	21	2 26.6	20.5
535391 2015 AP_{157}	17.5	X	250.74798	172.91857	186.75673	0.99105	0.1087574	0.21084242	2.7957439	21	5 9.5	21.5
535392 2015 AF_{162}	18.6	X	313.18000	139.11975	303.73161	1.57731	0.1888036	0.27357768	2.3500780	21	12 9.3	20.3
535393 2015 AP_{162}	18.0	X	246.87296	136.12545	291.72929	1.00484	0.1820899	0.23978145	2.5660139	21	7 24.1	21.9
535394 2015 AJ_{166}	16.9	X	143.08579	340.98444	127.59937	6.65090	0.0299824	0.20609522	2.8385122	21	5 28.9	20.9
535395 2015 AB_{168}	18.5	X	248.85281	188.27905	346.52804	2.26241	0.1292138	0.27544162	2.3394639	21	12 30.9	21.2
535396 2015 AO_{169}	18.0	X	202.40799	80.69061	116.98667	9.01423	0.1620286	0.26243441	2.4161406	21	11 27.8	21.7
535397 2015 AK_{174}	18.0	X	188.57312	286.87517	332.83842	5.59862	0.1469383	0.28464165	2.2887784	21	—	—
535398 2015 AE_{176}	18.2	X	138.00843	249.40455	87.73285	6.39497	0.1621127	0.30575358	2.1821688	21	—	—
535399 2015 AU_{176}	17.3	X	182.88628	273.38451	341.77412	6.98135	0.1901967	0.27772351	2.3266316	21	—	—
535400 2015 AG_{177}	16.1	X	120.81315	104.55462	326.91117	10.31263	0.0606514	0.18305069	3.0720042	21	3 16.7	20.7
535401 2015 AG_{178}	18.2	X	255.48678	143.79599	347.70504	2.01648	0.1507378	0.26331570	2.4107465	21	11 3.8	21.0
535402 2015 AZ_{178}	17.7	X	253.70124	99.83181	313.63930	10.63238	0.2553355	0.24065704	2.5597861	21	7 5.4	21.7
535403 2015 AR_{179}	16.5	X	212.15477	21.59263	320.95888	8.38521	0.1353079	0.18533839	3.0466726	21	3 9.1	21.4
535404 2015 AB_{182}	17.4	X	184.31260	25.00848	97.86139	6.56310	0.1392428	0.22934570	2.6432748	21	8 4.9	21.5
535405 2015 AK_{183}	17.1	X	251.76780	249.07328	110.76974	5.55037	0.1074053	0.21412882	2.7670647	21	5 12.4	21.2
535406 2015 AV_{185}	16.9	X	266.30132	256.47597	126.29792	6.92754	0.0232696	0.22485651	2.6783402	21	7 9.6	20.4
535407 2015 AD_{196}	16.6	X	167.65266	67.90876	327.60241	9.90314	0.0339378	0.18687066	3.0299954	21	3 23.4	21.1
535408 2015 AV_{196}	17.0	X	76.20290	185.33827	353.64974	4.13650	0.1268626	0.20259640	2.8710994	21	6 17.1	20.8
535409 2015 AH_{199}	17.3	X	220.99804	83.88571	316.88834	10.30020	0.1773873	0.22684648	2.6626537	21	5 22.4	21.8
535410 2015 AO_{202}	17.6	X	194.13690	17.58856	53.42947	7.81404	0.0566351	0.22336307	2.6902655	21	6 8.8	21.5
535411 2015 AQ_{205}	17.9	X	308.89009	82.44321	309.75430	5.52000	0.1480902	0.25494678	2.4632190	21	9 7.4	20.4
535412 2015 AU_{205}	16.1	X	173.90165	277.32801	107.02969	10.60418	0.0824813	0.19172077	2.9786760	21	3 27.9	20.8
535413 2015 AP_{207}	17.7	X	279.57599	214.34663	125.40422	7.81064	0.2446862	0.24481929	2.5306901	21	4 30.3	21.5
535414 2015 AW_{207}	17.5	X	220.13107	296.33528	112.61022	10.16542	0.2115952	0.23852962	2.5749838	21	6 2.8	21.9
535415 2015 AX_{207}	17.1	X	194.85162	183.39861	223.29978	12.82819	0.1562045	0.22654613	2.6650065	21	5 9.0	21.3
535416 2015 AM_{211}	16.3	X	102.52350	289.42743	222.36736	14.22248	0.1645704	0.21439391	2.7647832	21	6 19.3	20.5
535417 2015 AU_{213}	17.0	X	220.83561	262.43739	169.62343	9.95403	0.1771048	0.23918506	2.5702775	21	7 2.7	21.3
535418 2015 AH_{216}	16.8	X	191.26991	185.39752	225.84669	15.61166	0.2321022	0.22070620	2.7118127	21	5 11.8	21.5
535419 2015 AD_{219}	17.5	X	171.71768	38.63963	85.28015	5.31737	0.2210099	0.22397788	2.6853401	21	7 25.0	22.0
535420 2015 AW_{223}	17.2	X	156.05542	267.94163	198.93379	7.18690	0.1868305	0.21246512	2.7814907	21	6 18.9	21.9
535421 2015 AA_{224}	16.6	X	101.82665	287.90431	180.39079	10.72661	0.0654972	0.18766363	3.0214539	21	4 13.4	20.8
535422 2015 AG_{234}	16.9	X	172.93651	166.87012	292.11045	11.36883	0.2207761	0.21533566	2.7567163	21	6 25.0	21.6
535423 2015 AO_{235}	17.4	X	230.50482	284.67562	193.61824	8.28016	0.1643991	0.24517040	2.5282734	21	9 11.3	21.2
535424 2015 AK_{236}	16.2	X	134.23630	155.49715	258.83621	10.09660	0.0748403	0.17755827	3.1350329	21	3 12.1	21.0
535425 2015 AD_{239}	17.7	X	281.06739	236.07458	281.24905	5.29758	0.0338714	0.28078235	2.3097032	21	—	—
535426 2015 AG_{239}	16.7	X	107.99862	139.04546	335.03262	15.85082	0.1404780	0.18996974	2.9969518	21	4 29.6	21.4
535427 2015 AH_{239}	17.8	X	192.31653	111.41789	341.53383	8.69524	0.2554417	0.22248698	2.6973231	21	7 3.2	22.7
535428 2015 AU_{239}	17.0	X	189.01756	322.07414	121.64420	14.00676	0.1728690	0.21517075	2.7581247	21	6 20.1	21.7
535429 2015 AK_{241}	17.4	X	171.80846	207.30770	331.56261	13.80011	0.0763341	0.23970683	2.5665463	21	9 28.1	21.3
535430 2015 AD_{244}	17.0	X	197.03405	325.73743	109.47017	14.66210	0.1817127	0.21188600	2.7865567	21	6 16.6	21.7
535431 2015 AM_{244}	17.6	X	248.20596	76.81608	63.05078	11.77528	0.1961627	0.25607163	2.4560002	21	10 31.8	20.9
535432 2015 AA_{245}	16.9	X	131.50618	61.78541	97.47240	13.79051	0.0991253	0.21104125	2.7939877	21	7 26.3	21.1
535433 2015 AJ_{246}	17.3	X	273.07331	208.79393	147.19096	7.89894	0.3031969	0.24602372	2.5224239	21	5 7.2	21.3
535434 2015 AM_{246}	13.7	X	336.67706	70.35984	222.68119	20.92618	0.1074786	0.08148476	5.2692864	21	6 11.9	20.3
535435 2015 AG_{251}	17.9	X	182.37078	50.49035	69.18402	14.80960	0.2104099	0.22793107	2.6542003	21	7 30.8	22.6
535436 2015 AW_{253}	18.1	X	279.19470	17.91885	77.86251	2.53871	0.1511163	0.26198481	2.4189041	21	10 22.7	20.8
535437 2015 AB_{254}	17.3	X	167.48370	0.37154	78.98445	3.14915	0.0334173	0.20460772	2.8522530	21	5 20.2	21.3
535438 2015 AP_{254}	17.8	X	298.50655	308.41297	74.63400	5.42360	0.0427482	0.23709208	2.5853818	21	8 25.0	21.0
535439 2015 AA_{255}	17.1	X	199.85122	268.60741	178.93610	12.07213	0.1337290	0.23764600	2.5813628	21	7 3.9	21.4
535440 2015 AS_{257}	16.4	X	153.27382	74.58165	330.78487	8.73646	0.0727949	0.18951559	3.0017378	21	3 22.9	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
535441 2015 AX_{258}	16.7	X	170.77304	57.13381	326.40873	9.08562	0.1196147	0.19165963	2.9793095	21	3 17.6	21.4
535442 2015 AO_{260}	16.8	X	193.42613	155.37897	220.50520	7.24538	0.3235518	0.20202477	2.8765127	21	4 1.4	22.2
535443 2015 AR_{262}	17.6	X	202.92706	144.08470	332.46711	12.88462	0.1115125	0.22998606	2.6383660	21	8 17.1	21.5
535444 2015 AY_{262}	17.6	X	221.27101	234.57804	329.35981	8.69074	0.2273556	0.26449355	2.4035841	21	12 16.0	21.1
535445 2015 AH_{263}	16.6	X	281.74042	265.84416	140.34362	22.31347	0.0994968	0.23599436	2.5933928	21	8 21.9	19.9
535446 2015 AH_{264}	17.3	X	130.01850	166.50584	40.60060	14.53414	0.1812354	0.22551227	2.6731455	21	10 3.8	21.8
535447 2015 AO_{264}	15.8	X	188.37396	312.48634	64.49023	13.11690	0.0120035	0.17305858	3.1891427	21	4 4.9	20.5
535448 2015 AS_{264}	16.6	X	137.18565	105.83389	46.03153	11.80193	0.1637580	0.21042390	2.7994497	21	7 30.2	21.3
535449 2015 AE_{265}	17.3	X	206.56107	303.72109	119.72784	8.79953	0.2142514	0.21502222	2.7593947	21	6 9.2	22.0
535450 2015 AW_{266}	17.7	X	157.48319	213.70253	264.14212	0.90591	0.0235594	0.22247173	2.6974465	21	6 26.1	21.2
535451 2015 AV_{269}	17.6	X	46.70734	252.03327	98.38893	4.60220	0.1385310	0.27956841	2.3163845	21	—	—
535452 2015 AL_{273}	17.1	X	311.56644	219.35819	87.09489	4.93125	0.0840681	0.21573313	2.7533293	21	5 21.5	20.6
535453 2015 AA_{274}	16.1	X	278.74689	293.67335	323.77110	14.75964	0.0448919	0.17192774	3.2031117	21	2 15.7	20.5
535454 2015 AB_{274}	17.9	X	149.76067	257.01449	349.43650	5.67778	0.0667586	0.26470279	2.4023173	21	12 7.6	21.4
535455 2015 AD_{275}	18.0	X	225.47493	44.95759	71.97546	3.13665	0.0652255	0.24457120	2.5324012	21	9 18.8	21.4
535456 2015 AK_{275}	17.9	X	311.76086	299.27342	77.85268	3.73069	0.0729020	0.24161071	2.5530458	21	9 2.2	20.9
535457 2015 AP_{276}	17.9	X	242.93922	148.69648	21.54947	5.65513	0.2079962	0.26924450	2.3752253	21	11 30.8	21.0
535458 2015 AQ_{276}	17.3	X	252.28470	51.93415	32.11657	6.11992	0.1190204	0.24595175	2.5229159	21	9 2.3	20.8
535459 2015 AT_{276}	18.2	X	230.67106	352.05046	182.60755	5.36232	0.1668545	0.26532976	2.3985314	21	11 28.5	21.4
535460 2015 AJ_{277}	16.6	X	185.91810	147.25010	202.52314	11.61505	0.1299699	0.17534807	3.1613219	21	2 22.3	21.8
535461 2015 AM_{277}	16.4	X	121.34202	176.59954	259.43942	13.25533	0.0566359	0.18208459	3.0828609	21	3 19.5	21.1
535462 2015 AX_{277}	16.4	X	233.07772	51.04013	284.64504	10.26181	0.0969462	0.18640088	3.0350842	21	3 19.3	21.2
535463 2015 AS_{279}	17.2	X	233.37006	128.21341	320.49537	10.93223	0.1596315	0.23572314	2.5953817	21	8 8.7	21.0
535464 2015 AU_{279}	17.5	X	152.12712	255.83493	322.78269	11.82685	0.1356930	0.24416767	2.5351905	21	10 27.8	21.7
535465 2015 AG_{280}	17.0	X	237.66114	107.61183	335.51908	21.57313	0.0407223	0.22858901	2.6491049	21	8 22.4	20.6
535466 2015 AK_{281}	6.9	X	14.69365	77.18570	65.94911	16.92683	0.2121340	0.00355199	42.5423830	21	3 13.9	22.2
535467 2015 AT_{282}	17.1	X	203.12468	2.78356	52.92865	15.46195	0.1233004	0.21406985	2.7675728	21	5 27.7	21.4
535468 2015 AA_{283}	16.7	X	359.81863	343.43850	341.58135	30.66930	0.1406484	0.22829086	2.6514108	21	9 5.7	19.3
535469 2015 AC_{283}	15.5	X	267.77766	237.14161	72.57908	17.65198	0.1008811	0.18241694	3.0791152	21	4 8.7	20.3
535470 2015 AH_{283}	16.3	X	205.97444	90.67640	347.21349	25.07922	0.1416422	0.21963638	2.7206115	21	7 3.6	21.1
535471 2015 AJ_{283}	16.3	X	229.24510	102.30445	242.20430	9.20753	0.1153199	0.18751176	3.0230852	21	3 26.9	21.3
535472 2015 AL_{283}	17.0	X	275.11267	17.11856	356.93676	16.80185	0.1799497	0.23124435	2.6287864	21	6 14.3	21.1
535473 2015 AM_{283}	17.3	X	211.24680	259.34835	152.64439	4.32773	0.0119845	0.21599990	2.7510618	21	6 8.2	21.0
535474 2015 AN_{283}	17.6	X	153.84087	204.39926	50.32119	7.28142	0.0753846	0.27076004	2.3663537	21	12 24.2	20.9
535475 2015 AP_{283}	15.8	X	256.04847	34.93230	243.71579	10.34071	0.0757068	0.16843897	3.2471897	21	2 8.9	20.8
535476 2015 AQ_{283}	16.0	X	115.26327	44.70516	43.58574	11.03557	0.0719287	0.17954363	3.1118791	21	4 8.2	20.4
535477 2015 AS_{283}	17.0	X	200.54032	55.83555	88.86166	14.28247	0.1206872	0.23968663	2.5666905	21	9 26.7	21.2
535478 2015 AT_{283}	15.9	X	44.35786	159.36085	39.43865	12.52647	0.0785570	0.19278333	2.9677210	21	5 19.5	19.7
535479 2015 AU_{283}	17.1	X	239.04459	115.57361	17.51851	14.99127	0.0175679	0.25868085	2.4394572	21	10 31.6	20.4
535480 2015 AV_{283}	17.7	X	154.13417	222.80854	28.84222	6.90214	0.1031488	0.26859886	2.3790301	21	12 18.9	21.3
535481 2015 AW_{283}	17.1	X	40.14769	281.70636	64.11299	9.22460	0.1346622	0.26324466	2.4111802	21	12 16.3	20.1
535482 2015 AY_{283}	16.3	X	247.09870	121.74503	171.60960	10.31268	0.0402951	0.16863970	3.2446125	21	2 22.8	21.1
535483 2015 AA_{284}	17.1	X	132.95394	159.96120	86.26334	14.85927	0.1488319	0.24065344	2.5598116	21	11 20.9	21.3
535484 2015 AF_{284}	16.0	X	171.91441	161.64785	323.29920	28.96025	0.1264622	0.22795989	2.6539766	21	7 31.6	20.3
535485 2015 AH_{284}	17.3	X	344.65271	223.83454	120.09982	13.62064	0.2291871	0.26876074	2.3780747	21	9 19.3	19.0
535486 2015 AO_{284}	17.4	X	114.50804	168.37810	103.39198	10.74566	0.1056188	0.26378439	2.4078901	21	12 4.6	21.0
535487 2015 AA_{285}	16.7	X	226.84811	135.24046	248.55051	8.12337	0.0347982	0.20413309	2.8566724	21	5 19.7	20.7
535488 2015 AF_{285}	17.8	X	182.59642	90.30108	6.15380	13.01464	0.1826493	0.22356576	2.6886392	21	6 30.3	22.5
535489 2015 AL_{286}	17.4	X	350.06780	48.38999	230.10797	4.92213	0.0066090	0.20978591	2.8051225	21	6 15.5	21.1
535490 2015 AS_{286}	16.2	X	114.29125	36.94966	51.06238	12.27290	0.0901513	0.17724703	3.1387019	21	4 10.5	20.8
535491 2015 AT_{286}	16.9	X	202.38708	5.94108	55.00827	10.02724	0.1381040	0.20927391	2.8096960	21	6 2.9	21.4
535492 2015 AA_{287}	16.6	X	155.62219	259.69840	262.97851	3.97839	0.1251331	0.24338047	2.5406542	21	8 25.1	20.5
535493 2015 AE_{287}	17.0	X	257.74235	230.22355	131.68111	14.66037	0.2234409	0.23861039	2.5744027	21	5 11.4	21.3
535494 2015 AF_{287}	17.2	X	233.12521	246.84460	126.76090	14.85691	0.1054852	0.22722927	2.6596625	21	5 12.6	21.5
535495 2015 AO_{287}	16.7	X	80.62656	24.49378	135.23297	14.34648	0.0820174	0.21698471	2.7427315	21	5 25.1	20.6
535496 2015 AX_{287}	17.8	X	159.35654	200.07950	33.03394	8.20866	0.0633879	0.26722124	2.3871996	21	12 1.4	21.3
535497 2015 AA_{288}	17.0	X	223.77885	356.19080	28.96726	10.36748	0.1844192	0.21731792	2.7399272	21	5 6.3	21.4
535498 2015 AE_{288}	16.0	X	208.61597	322.19007	10.97964	11.04256	0.1330746	0.18315206	3.0708706	21	3 1.1	21.0
535499 2015 AG_{289}	17.4	X	276.08931	56.91954	316.07168	3.72872	0.2421240	0.24018254	2.5631563	21	6 5.9	21.0
535500 2015 AJ_{289}	16.1	X	296.70314	20.89503	288.82803	6.20182	0.0596152	0.21082973	2.7958561	21	5 6.2	19.9
535501 2015 AD_{292}	18.3	X	319.34559	79.65252	21.02711	7.13541	0.0916005	0.28081834	2.3095059	21	—	—
535502 2015 AJ_{293}	16.8	X	196.05697	296.04725	137.95814	25.01500	0.2844702	0.21634450	2.7481397	21	6 15.6	22.2
535503 2015 BJ_{1}	17.0	X	154.86342	42.27360	89.05040	5.71997	0.0647983	0.21866782	2.7286393	21	7 13.5	21.0
535504 2015 BK_{3}	17.2	X	200.93352	67.13133	329.57345	12.22305	0.2139259	0.21386350	2.7693527	21	4 26.5	22.2
535505 2015 BN_{5}	16.6	X	37.00515	200.57069	331.54191	8.55515	0.0280749	0.18717819	3.0266757	21	3 30.1	20.8
535506 2015 BX_{5}	16.5	X	73.00071	101.92799	20.14031	5.47227	0.1022366	0.17996470	3.1070232	21	3 29.1	20.4
535507 2015 BG_{6}	16.9	X	207.40287	121.58544	295.62373	3.66720	0.1638647	0.21519092	2.7579523	21	6 2.5	21.4
535508 2015 BV_{8}	17.5	X	161.08971	42.61029	145.98330	5.15968	0.1704561	0.23728255	2.5839981	21	10 5.5	21.7
535509 2015 BV_{9}	16.6	X	250.96630	307.99054	78.51325	7.32503	0.0231877	0.22222071	2.6994774	21	6 24.1	20.3
535510 2015 BA_{10}	17.1	X	222.66524	279.53956	90.66208	9.90935	0.1737176	0.21044318	2.7992787	21	4 23.8	21.8
535511 2015 BJ_{11}	17.7	X	219.12614	99.66626	73.83484	5.98102	0.1625822	0.26467275	2.4024991	21	11 14.1	20.9
535512 2015 BK_{11}	17.4	X	234.04933	173.81510	335.92441	5.48649	0.0860048	0.26506187	2.4001472	21	11 8.4	20.6
535513 2015 BO_{11}	18.4	X	271.57499	107.34387	43.89003	3.72978	0.1350300	0.27989684	2.3145721	21	—	—
535514 2015 BT_{13}	17.6	X	235.45092	106.37536	315.92394	4.43880	0.1796686	0.23208835	2.6224094	21	7 5.4	21.5
535515 2015 BF_{15}	17.4	X	180.45275	128.41387	311.07754	6.91182	0.2042495	0.21519171	2.7579456	21	6 5.9	22.1
535516 2015 BG_{15}	17.5	X	201.32385	84.24738	338.26455	1.52813	0.0656432	0.21260279	2.7802899	21	6 6.6	21.5
535517 2015 BZ_{15}	16.4	X	208.19104	229.09676	124.10442	2.78472	0.0932519	0.18669912	3.0318511	21	3 22.0	21.0
535518 2015 BX_{16}	16.4	X	187.45811	232.96535	133.26982	11.65628	0.1357951	0.18639991	3.0350948	21	3 20.2	21.4
535519 2015 BN_{17}	17.6	X	203.41538	1.31737	130.19932	5.16756	0.1982357	0.23690742	2.5867251	21	8 31.6	21.8
535520 2015 BU_{17}	17.5	X	249.20550	202.24150	309.28896	5.04719	0.1813506	0.26348065	2.4097402	21	11 16.6	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
535521 2015 BZ_{17}	16.9	X	249.65109	78.63454	315.57355	11.74279	0.1919694	0.22287838	2.6941644	21	6 11.9	21.3
535522 2015 BJ_{19}	18.1	X	220.60554	9.30898	48.67178	3.62452	0.1468637	0.22945032	2.6424712	21	6 16.9	22.1
535523 2015 BX_{20}	17.3	X	194.75606	267.69644	160.97764	9.30139	0.1474511	0.21203692	2.7852342	21	6 7.2	21.9
535524 2015 BT_{22}	16.5	X	17.12390	42.31130	155.20241	10.04215	0.0120430	0.18288937	3.0738104	21	4 11.6	20.8
535525 2015 BF_{23}	16.1	X	182.21375	178.77684	175.92370	6.58521	0.1440587	0.16978190	3.2300442	21	2 28.1	21.3
535526 2015 BN_{23}	16.4	X	193.38302	181.24041	206.64114	2.92053	0.1221701	0.19086051	2.9876198	21	4 16.5	20.9
535527 2015 BR_{24}	16.2	X	31.95226	248.89160	314.82544	11.31382	0.1430588	0.18509574	3.0493347	21	5 10.3	20.0
535528 2015 BV_{25}	16.8	X	174.84646	109.79344	319.39099	10.29272	0.0853029	0.19833130	2.9121152	21	5 14.5	21.5
535529 2015 BL_{26}	16.4	X	127.83845	141.49094	320.79420	9.89925	0.0748290	0.19061901	2.9901426	21	5 2.7	21.0
535530 2015 BQ_{26}	17.8	X	239.02314	12.34555	148.39331	8.17882	0.0571330	0.26079083	2.4262814	21	12 6.9	21.0
535531 2015 BC_{27}	18.0	X	170.87982	44.04257	148.71952	6.83834	0.1341119	0.24143418	2.5542901	21	10 21.5	22.1
535532 2015 BD_{27}	18.3	X	227.10349	168.97910	313.41902	2.21820	0.1509920	0.24244410	2.5471917	21	9 14.9	21.9
535533 2015 BV_{27}	15.9	X	139.41162	75.71830	327.76771	25.05205	0.1857221	0.17481410	3.1677562	21	3 11.8	21.2
535534 2015 BF_{28}	15.8	X	136.50496	100.59407	315.39260	15.17632	0.2087742	0.17955367	3.1117631	21	3 27.1	21.0
535535 2015 BV_{28}	16.2	X	114.86456	264.57053	184.62579	8.80132	0.0705863	0.17966785	3.1104446	21	4 6.3	20.5
535536 2015 BD_{30}	16.0	X	299.57697	318.89692	303.37757	8.78311	0.0845867	0.17414523	3.1758623	21	3 9.2	20.5
535537 2015 BM_{30}	16.3	X	138.61521	129.55988	309.85466	9.47096	0.1056641	0.18751747	3.0230238	21	4 19.4	21.0
535538 2015 BQ_{30}	17.2	X	152.84026	248.79816	216.92074	1.28443	0.0559160	0.20293883	2.8678688	21	6 7.1	21.2
535539 2015 BP_{33}	16.9	X	136.44536	45.08051	67.62727	2.97668	0.0090777	0.20457318	2.8525740	21	5 22.3	20.8
535540 2015 BN_{34}	17.0	X	307.01517	272.84172	97.80151	2.98784	0.0121195	0.23397670	2.6082806	21	8 21.9	20.4
535541 2015 BE_{35}	17.7	X	170.20072	282.67588	261.79532	10.47667	0.1437335	0.23560797	2.5962274	21	10 2.4	22.1
535542 2015 BN_{35}	16.9	X	230.36308	206.08882	280.52683	13.20647	0.1095798	0.24053040	2.5606845	21	9 21.9	20.9
535543 2015 BR_{35}	16.9	X	181.83404	192.92700	282.70550	13.08285	0.1569118	0.21611759	2.7500630	21	7 21.2	21.4
535544 2015 BS_{35}	16.2	X	315.62328	320.34802	292.87348	15.45392	0.0484833	0.16926788	3.2365800	21	3 19.0	21.0
535545 2015 BC_{36}	17.7	X	213.98676	21.03204	216.27159	9.61554	0.1008345	0.27248990	2.3563282	21	—	—
535546 2015 BN_{36}	16.6	X	134.31205	243.23402	292.58139	12.73379	0.1013440	0.21311792	2.7758079	21	8 15.1	20.9
535547 2015 BS_{36}	17.3	X	147.68510	328.97748	205.54908	12.89446	0.2990176	0.21918077	2.7243804	21	9 3.5	22.4
535548 2015 BY_{36}	17.6	X	211.22411	240.85121	216.16773	11.11723	0.2626323	0.22884398	2.6471368	21	7 18.6	22.4
535549 2015 BU_{37}	17.6	X	215.55887	345.77733	56.54969	7.48067	0.0768094	0.21607694	2.7504078	21	5 26.8	21.5
535550 2015 BP_{38}	17.0	X	285.92465	302.26452	71.92012	9.70124	0.2095234	0.24084376	2.5584629	21	6 25.0	20.2
535551 2015 BJ_{39}	17.5	X	182.68328	359.36012	72.94107	9.00194	0.2088190	0.21793600	2.7347443	21	5 30.6	22.1
535552 2015 BO_{40}	17.1	X	282.25147	277.26264	86.45589	13.51563	0.2918662	0.23928587	2.5695556	21	5 27.2	20.8
535553 2015 BY_{40}	16.8	X	357.83660	270.49927	314.22636	8.43158	0.0626558	0.19029489	2.9935370	21	4 10.3	20.8
535554 2015 BM_{41}	17.2	X	277.53960	284.67373	64.15291	6.93694	0.0592251	0.21893719	2.7264007	21	6 3.0	20.9
535555 2015 BJ_{42}	17.7	X	199.37518	356.54887	80.01418	7.83624	0.2035142	0.22622387	2.6675369	21	6 18.4	22.1
535556 2015 BV_{44}	16.2	X	330.28067	230.37723	340.64847	7.79954	0.0388320	0.17953372	3.1119937	21	2 23.1	20.5
535557 2015 BW_{45}	17.8	X	204.70974	36.96870	53.49092	4.86827	0.2118284	0.23282075	2.6169069	21	7 10.7	22.2
535558 2015 BN_{54}	16.9	X	135.61613	261.05902	286.21754	13.94418	0.0800800	0.23437365	2.6053347	21	8 28.1	21.0
535559 2015 BR_{54}	16.6	X	224.15312	137.85473	247.74859	4.57277	0.0770808	0.21081229	2.7960103	21	5 15.2	20.8
535560 2015 BS_{54}	17.3	X	225.47930	241.85957	282.10851	9.75164	0.1221284	0.26285350	2.4135717	21	11 10.7	20.8
535561 2015 BB_{55}	17.2	X	252.08875	326.99396	19.34215	5.98024	0.0878875	0.20606781	2.8387639	21	4 25.5	21.5
535562 2015 BJ_{56}	16.2	X	11.70361	101.53157	81.42406	12.23947	0.0166714	0.18464381	3.0543083	21	3 20.9	20.6
535563 2015 BL_{56}	17.1	X	192.13142	9.63079	75.11984	9.90604	0.0220416	0.22077842	2.7112213	21	6 25.9	20.8
535564 2015 BX_{56}	16.2	X	273.36880	222.80132	143.60876	14.29615	0.2080728	0.24328119	2.5413454	21	6 2.1	20.1
535565 2015 BY_{57}	17.3	X	105.54446	173.22226	6.42559	4.96515	0.0660769	0.21694647	2.7430538	21	7 18.9	21.1
535566 2015 BH_{58}	18.3	X	252.70050	39.26666	27.64849	2.58701	0.1830727	0.24132395	2.5550678	21	7 30.3	21.9
535567 2015 BC_{60}	17.9	X	328.29766	272.22158	119.86226	6.36518	0.0950955	0.25469879	2.4648177	21	10 23.7	20.6
535568 2015 BE_{60}	17.8	X	219.33569	41.00455	118.53976	6.95972	0.0880194	0.25647062	2.4534524	21	11 6.3	21.2
535569 2015 BF_{60}	17.2	X	193.67344	332.88143	124.31677	10.00884	0.1962517	0.22525884	2.6751501	21	7 9.4	21.7
535570 2015 BJ_{60}	18.3	X	272.63171	66.68479	30.30311	2.23925	0.1308716	0.25776463	2.4452344	21	10 15.5	20.9
535571 2015 BN_{60}	16.7	X	120.79096	168.98725	318.12030	14.34564	0.0869050	0.20229971	2.8739059	21	5 28.9	21.1
535572 2015 BV_{62}	16.1	X	161.30873	299.00755	102.07838	10.67487	0.1098873	0.18839252	3.0136556	21	4 6.5	20.9
535573 2015 BB_{64}	16.4	X	168.40106	324.66898	50.07961	5.76494	0.1672374	0.18101516	3.0949912	21	3 14.2	21.5
535574 2015 BC_{64}	17.0	X	140.34341	9.26134	91.85743	7.21449	0.0244822	0.19914732	2.9041546	21	5 15.8	21.2
535575 2015 BD_{64}	16.8	X	157.37180	66.49566	349.57865	8.33125	0.0904617	0.19100477	2.9861153	21	4 10.9	21.4
535576 2015 BQ_{64}	16.1	X	113.18637	46.11466	37.66579	7.95476	0.1107959	0.18326865	3.0695681	21	4 3.9	20.5
535577 2015 BR_{64}	16.0	X	299.64898	185.03214	102.83458	15.81709	0.0927918	0.18925666	3.0044750	21	4 18.9	20.4
535578 2015 BE_{65}	17.1	X	160.41553	74.49890	63.65114	5.16526	0.0742968	0.22222781	2.6994199	21	7 30.5	21.1
535579 2015 BL_{65}	17.8	X	238.75088	350.62419	74.95345	6.36465	0.2239284	0.23467324	2.6031169	21	7 8.7	21.9
535580 2015 BP_{65}	17.3	X	242.30166	357.51435	89.65287	5.21919	0.1754155	0.24190488	2.5509755	21	8 16.2	21.0
535581 2015 BZ_{65}	18.4	X	222.91962	77.61410	67.82482	1.93032	0.1151806	0.25214817	2.4814117	21	10 16.9	21.8
535582 2015 BD_{66}	18.2	X	270.07055	30.10935	84.42996	3.05382	0.1178916	0.26189526	2.4194554	21	11 8.7	20.9
535583 2015 BG_{67}	16.3	X	194.66007	295.55027	111.94158	13.81151	0.1087886	0.20486821	2.8498347	21	5 15.7	21.0
535584 2015 BJ_{67}	17.4	X	125.41761	188.17051	43.88632	3.77389	0.1601965	0.24239641	2.5475258	21	10 25.7	21.3
535585 2015 BR_{67}	17.2	X	185.13962	13.14716	71.64586	4.74216	0.0742392	0.21310477	2.7759221	21	6 17.1	21.2
535586 2015 BB_{68}	17.0	X	220.41732	121.89631	335.10564	31.36641	0.2263430	0.23453402	2.6041469	21	8 9.8	21.5
535587 2015 BO_{68}	16.2	X	217.52443	100.96456	241.32404	10.24039	0.0690409	0.18395727	3.0619028	21	3 13.9	21.0
535588 2015 BP_{69}	17.6	X	202.38031	13.89922	167.73938	7.83365	0.1170910	0.25708041	2.4495712	21	11 11.3	21.2
535589 2015 BA_{72}	18.1	X	212.71701	61.56104	165.37051	5.98331	0.0751511	0.27763162	2.3271449	21	—	—
535590 2015 BC_{72}	17.3	X	320.33923	87.24419	290.97780	6.93871	0.1162698	0.24241948	2.5473642	21	9 8.3	20.2
535591 2015 BV_{72}	17.4	X	214.05694	177.84092	300.10977	9.92164	0.0753957	0.23600594	2.5933080	21	8 29.7	21.2
535592 2015 BL_{73}	17.9	X	161.83864	78.85486	96.21329	5.04755	0.0276817	0.24035601	2.5619229	21	9 20.7	21.4
535593 2015 BG_{75}	17.3	X	131.24458	49.95489	110.26267	9.70436	0.0376121	0.22011763	2.7166446	21	7 20.9	21.0
535594 2015 BJ_{75}	17.5	X	52.31114	276.79835	100.17962	6.71007	0.2005285	0.28950573	2.2630698	21	—	—
535595 2015 BY_{75}	17.9	X	308.62826	77.76562	15.97926	4.24344	0.1147595	0.27150671	2.3620133	21	12 17.4	20.2
535596 2015 BP_{77}	17.8	X	178.83556	226.24156	24.02279	3.78415	0.1781655	0.27277308	2.3546971	21	—	—
535597 2015 BC_{78}	16.8	X	181.86773	65.40689	25.80069	9.23579	0.1370552	0.21338341	2.7735049	21	6 21.6	21.4
535598 2015 BD_{78}	16.6	X	97.66555	127.00090	61.44314	8.39898	0.1446219	0.20899703	2.8121769	21	8 1.3	20.8
535599 2015 BH_{78}	16.2	X	127.44465	125.17027	286.83349	8.62323	0.0736173	0.17765731	3.1338677	21	3 2.6	20.9
535600 2015 BF_{79}	17.3	X	166.26364	276.83547	198.81152	4.13400	0.1165919	0.22311880	2.6922286	21	7 6.7	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
535601 2015 BO_{80}	16.5	X	258.23745	233.85624	96.63534	10.40342	0.1387535	0.20522613	2.8465202	21	4 13.3	21.0
535602 2015 BG_{82}	17.4	X	227.57774	304.11711	251.99875	6.72943	0.0655800	0.27815088	2.3242478	21	—	—
535603 2015 BJ_{82}	18.0	X	218.44455	244.60377	194.83388	4.43539	0.2299863	0.23410620	2.6073187	21	7 6.6	22.3
535604 2015 BK_{85}	17.8	X	227.20857	233.04129	212.41614	4.53391	0.2436885	0.23940760	2.5686845	21	7 20.3	22.1
535605 2015 BT_{85}	17.2	X	296.10138	183.17723	222.86856	5.43123	0.0380745	0.24782756	2.5101691	21	9 19.4	20.4
535606 2015 BU_{85}	16.5	X	333.12143	356.88827	240.76099	7.15400	0.0839500	0.18641207	3.0349628	21	3 21.9	20.6
535607 2015 BJ_{86}	17.6	X	249.50470	6.50461	139.93333	6.23020	0.0781324	0.26376383	2.4080152	21	11 29.5	20.6
535608 2015 BM_{86}	17.2	X	158.65020	7.58201	131.56023	14.24404	0.1010236	0.22156725	2.7047824	21	7 28.9	21.3
535609 2015 BV_{86}	16.0	X	336.62229	284.09335	318.85116	10.71054	0.0989878	0.18304472	3.0720710	21	3 30.2	20.1
535610 2015 BE_{87}	16.7	X	107.64006	265.58758	323.24263	9.93931	0.0821669	0.23374998	2.6099669	21	9 22.1	20.6
535611 2015 BG_{87}	18.1	X	223.40479	77.52669	104.80742	2.36786	0.1292138	0.26365758	2.4086621	21	12 3.9	21.1
535612 2015 BJ_{87}	17.8	X	265.34172	29.33738	106.26399	2.28635	0.1276086	0.26596779	2.3946940	21	11 29.7	20.5
535613 2015 BN_{87}	17.1	X	81.53933	167.60671	26.62309	1.60576	0.1718891	0.20503465	2.8482922	21	7 22.1	21.0
535614 2015 BQ_{87}	16.5	X	196.92817	264.00239	127.09712	9.04404	0.1977270	0.20027003	2.8932907	21	4 26.6	21.5
535615 2015 BF_{89}	17.2	X	212.23885	283.74025	179.48362	3.11691	0.0320746	0.22966703	2.6408087	21	8 14.7	20.7
535616 2015 BL_{90}	16.2	X	195.77219	228.50773	152.64454	10.98017	0.1056498	0.18839772	3.0136001	21	4 14.2	21.0
535617 2015 BN_{90}	16.9	X	126.52871	42.13521	152.15491	9.96810	0.0783964	0.22566037	2.6719758	21	9 2.6	20.8
535618 2015 BX_{90}	17.0	X	82.50214	142.79069	149.12763	11.68862	0.1271569	0.24449456	2.5329303	21	11 26.3	20.9
535619 2015 BJ_{91}	16.6	X	130.82050	98.25562	333.09785	9.23941	0.1254747	0.18145666	3.0899689	21	4 4.6	21.4
535620 2015 BL_{91}	17.8	X	232.24853	341.76724	143.25367	10.20069	0.0593347	0.24354399	2.5395169	21	10 10.9	21.3
535621 2015 BN_{91}	16.5	X	40.04973	154.23573	74.47378	13.49063	0.0859433	0.21394350	2.7686623	21	6 24.2	20.0
535622 2015 BS_{97}	16.6	X	220.15423	331.56755	104.01999	22.81918	0.0312122	0.23004130	2.6379436	21	7 19.4	20.2
535623 2015 BY_{97}	17.6	X	238.01832	94.59305	313.34070	12.51352	0.1793958	0.23275589	2.6173930	21	6 19.7	21.8
535624 2015 BB_{98}	17.6	X	215.19397	352.94864	46.66447	4.74037	0.0715933	0.21550386	2.7552818	21	5 23.1	21.7
535625 2015 BC_{98}	16.2	X	312.68114	213.00717	67.66771	7.06978	0.0206798	0.20288065	2.8684171	21	4 29.5	20.0
535626 2015 BJ_{99}	18.0	X	164.39647	23.41716	200.18890	0.18019	0.1774965	0.25463528	2.4652275	21	11 19.9	22.0
535627 2015 BU_{99}	17.5	X	171.43134	167.46906	299.64407	4.45559	0.1115027	0.21804836	2.7338048	21	7 1.7	21.7
535628 2015 BJ_{100}	16.1	X	179.18523	248.51227	134.69303	9.80502	0.1530050	0.18586463	3.0409192	21	4 2.5	21.1
535629 2015 BN_{100}	16.3	X	309.15411	278.43931	321.63484	11.76863	0.0146235	0.17203487	3.2017817	21	3 4.7	20.9
535630 2015 BO_{101}	18.2	X	245.75001	47.19616	118.76872	5.90645	0.1642711	0.26498347	2.4006206	21	12 6.8	21.1
535631 2015 BP_{101}	18.1	X	344.57957	85.80254	344.59290	5.40939	0.1956493	0.27765137	2.3270346	21	—	—
535632 2015 BD_{102}	18.2	X	298.42915	278.42907	179.62617	1.98192	0.1627535	0.26731099	2.3866652	21	11 30.1	20.3
535633 2015 BF_{104}	17.5	X	161.09526	354.90568	115.86391	10.66972	0.1877532	0.21854356	2.7296735	21	6 28.5	22.0
535634 2015 BZ_{104}	16.7	X	176.41414	297.26353	113.41449	7.06044	0.1283920	0.20207900	2.8759981	21	4 30.3	21.3
535635 2015 BR_{106}	16.4	X	192.56671	95.78613	293.95930	10.31329	0.0959303	0.19882687	2.9072742	21	4 12.2	21.1
535636 2015 BG_{107}	16.1	X	72.18223	22.97233	274.72587	10.14471	0.1736188	0.23134870	2.6279959	21	11 21.7	20.1
535637 2015 BO_{107}	16.5	X	150.62463	240.68755	279.91509	12.81480	0.1071859	0.21496012	2.7599261	21	8 12.6	21.0
535638 2015 BT_{107}	18.5	X	314.90450	152.51823	290.49749	5.18136	0.2104573	0.27339731	2.3511115	21	12 13.6	19.9
535639 2015 BE_{108}	16.2	X	281.41996	329.91384	262.83702	15.53990	0.0545272	0.17876516	3.1209068	21	1 15.5	20.9
535640 2015 BT_{108}	16.1	X	178.88903	312.56528	81.88255	13.17236	0.0672954	0.19676764	2.9275227	21	4 14.8	20.7
535641 2015 BL_{109}	17.3	X	203.60240	21.18894	23.16039	6.58960	0.0649850	0.21202552	2.7853341	21	5 15.6	21.5
535642 2015 BY_{111}	16.8	X	265.50525	304.54154	57.06274	6.44169	0.0289164	0.21910836	2.7249806	21	6 8.6	20.4
535643 2015 BW_{112}	17.6	X	207.81180	64.07031	310.26788	15.81072	0.2130404	0.20969410	2.8059413	21	4 2.5	22.8
535644 2015 BV_{113}	16.2	X	14.08869	279.18766	259.13953	8.10028	0.0562979	0.18210470	3.0826339	21	3 6.8	20.5
535645 2015 BZ_{116}	15.4	X	296.38359	186.94786	65.56143	10.57729	0.0899342	0.17980260	3.1088903	21	2 28.9	20.0
535646 2015 BL_{117}	18.2	X	235.86593	192.13785	256.60991	6.20677	0.2245050	0.24415068	2.5353082	21	8 2.5	22.3
535647 2015 BN_{118}	16.1	X	170.52264	293.77477	133.00938	15.91419	0.1325842	0.20656811	2.8341785	21	5 16.8	20.9
535648 2015 BE_{119}	17.1	X	188.11074	328.34597	114.84776	5.70560	0.0936256	0.21137036	2.7910867	21	6 18.5	21.3
535649 2015 BO_{119}	17.6	X	226.32774	137.95772	40.37723	3.45269	0.0298769	0.26373266	2.4082049	21	12 16.5	20.6
535650 2015 BR_{119}	17.0	X	164.76326	118.80350	346.28038	7.20357	0.1833010	0.21184454	2.7869202	21	6 24.7	21.8
535651 2015 BV_{119}	17.1	X	290.66573	297.67234	129.18771	14.38855	0.0565298	0.24589056	2.5233344	21	10 16.6	20.5
535652 2015 BO_{120}	18.3	X	212.26859	182.97013	85.14530	6.26280	0.1717751	0.29670331	2.2263210	21	—	—
535653 2015 BR_{120}	17.7	X	199.85572	65.78403	40.69503	2.93234	0.1637346	0.23099424	2.6306836	21	7 29.0	21.9
535654 2015 BX_{120}	17.1	X	148.78189	99.43816	331.01802	11.42811	0.1219845	0.19654049	2.9297779	21	4 18.9	21.8
535655 2015 BV_{121}	16.1	X	231.50378	304.14461	18.41937	2.10877	0.1019971	0.18173331	3.0868322	21	3 8.4	20.7
535656 2015 BT_{122}	17.8	X	193.95609	263.54685	342.90734	4.43966	0.1139114	0.28059762	2.3107168	21	—	—
535657 2015 BD_{124}	17.3	X	237.16186	245.59632	127.53548	9.18268	0.3171742	0.21991743	2.7182931	21	4 30.6	22.3
535658 2015 BT_{129}	18.1	X	248.48794	1.73021	129.24013	3.89998	0.1432990	0.25911335	2.4367419	21	10 27.6	21.2
535659 2015 BV_{129}	17.5	X	230.67974	55.82115	129.64196	7.46010	0.0403280	0.27293327	2.3537757	21	—	—
535660 2015 BK_{130}	18.1	X	144.05090	83.08453	124.69337	5.18532	0.1879255	0.23849752	2.5752149	21	10 15.1	22.4
535661 2015 BR_{130}	17.2	X	150.95281	357.20940	118.67010	6.48661	0.1168086	0.21196025	2.7859059	21	6 21.9	21.5
535662 2015 BW_{131}	15.9	X	204.73336	211.90313	126.98822	13.16999	0.1234981	0.17682960	3.1436396	21	3 4.3	21.0
535663 2015 BB_{132}	17.4	X	255.65885	304.57378	101.53771	4.47764	0.1970522	0.23445527	2.6047300	21	7 3.2	21.3
535664 2015 BO_{132}	18.2	X	258.00609	80.86641	332.84220	3.04138	0.2231048	0.23934782	2.5691122	21	7 13.1	22.0
535665 2015 BQ_{133}	18.0	X	190.68430	174.35275	22.46674	2.63465	0.1456465	0.25606688	2.4560306	21	11 12.9	21.5
535666 2015 BV_{133}	15.9	X	126.60845	80.69578	338.80500	9.95129	0.0457426	0.17802379	3.1295654	21	3 9.9	20.3
535667 2015 BC_{136}	17.7	X	147.80634	304.19117	327.84602	9.48496	0.1993125	0.26947521	2.3738695	21	—	—
535668 2015 BR_{138}	17.6	X	109.50225	327.12666	0.64559	7.13248	0.1447711	0.28560956	2.2836045	21	—	—
535669 2015 BV_{138}	16.6	X	209.67845	341.50539	80.23354	6.90749	0.0703284	0.21553252	2.7550374	21	6 15.0	20.4
535670 2015 BK_{140}	18.0	X	345.74127	64.14815	3.86545	5.18423	0.1362387	0.27847804	2.3224271	21	—	—
535671 2015 BE_{141}	16.6	X	79.25917	158.70295	99.70085	11.72813	0.0887410	0.23540119	2.5977476	21	10 8.1	20.4
535672 2015 BM_{141}	16.3	X	178.74385	296.94826	81.02788	8.91469	0.1561724	0.18580088	3.0416147	21	3 28.1	21.4
535673 2015 BD_{142}	17.0	X	286.56317	268.92673	106.11496	15.47957	0.1370162	0.22916274	2.6446815	21	7 9.3	20.3
535674 2015 BE_{142}	17.4	X	84.94976	288.22708	29.95659	7.12907	0.1341095	0.26731853	2.3866204	21	—	—
535675 2015 BN_{143}	16.8	X	193.69217	39.01316	30.14605	5.45792	0.1549932	0.21386609	2.7693304	21	6 4.6	21.4
535676 2015 BU_{146}	18.3	X	176.71230	170.97787	71.47418	2.38559	0.1531042	0.26716803	2.3875166	21	12 27.3	21.9
535677 2015 BX_{146}	17.7	X	189.69877	279.64701	320.69671	6.75359	0.0814813	0.27516597	2.3410260	21	—	—
535678 2015 BO_{147}	18.1	X	276.99130	293.89530	113.77012	4.46177	0.2422494	0.24530013	2.5273819	21	7 24.8	21.5
535679 2015 BB_{148}	17.7	X	203.14318	74.92387	335.73023	6.68196	0.2278632	0.21436220	2.7650559	21	5 18.5	22.6
535680 2015 BX_{149}	17.8	X	197.95641	40.70068	39.00715	2.07124	0.2266048	0.22156107	2.7048327	21	6 20.7	22.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
535681 2015 BA_{150}	17.9	X	177.81033	229.84284	344.83453	5.70198	0.0657434	0.25924429	2.4359213	21	11 27.3	21.4
535682 2015 BC_{150}	18.2	X	270.15748	93.40307	18.44334	2.60818	0.1409097	0.26068539	2.4269356	21	10 30.9	21.0
535683 2015 BW_{150}	16.4	X	189.39170	7.99671	354.41194	8.19666	0.0764659	0.17894922	3.1187664	21	3 13.8	21.2
535684 2015 BE_{151}	17.8	X	191.35117	156.22004	344.66797	9.12314	0.1469090	0.23603933	2.5930634	21	9 3.1	21.7
535685 2015 BY_{152}	17.5	X	95.14569	139.33214	107.11013	7.20941	0.0794052	0.23894534	2.5719963	21	10 8.4	21.2
535686 2015 BM_{153}	18.3	X	175.80354	121.98669	116.90054	5.45247	0.1658651	0.26519722	2.3993305	21	12 20.9	22.1
535687 2015 BS_{153}	18.3	X	195.56709	163.90484	44.62983	2.07182	0.1332005	0.26250510	2.4157068	21	12 4.9	21.7
535688 2015 BX_{155}	17.9	X	206.63653	84.47578	324.25940	13.84382	0.2862566	0.21735858	2.7395855	21	5 15.2	23.2
535689 2015 BK_{156}	17.2	X	176.07898	170.97067	99.34649	7.55271	0.1050341	0.27669707	2.3323820	21	—	—
535690 2015 BS_{156}	17.6	X	302.84603	304.73925	102.89893	6.43293	0.1071280	0.24506140	2.5290230	21	9 29.6	20.5
535691 2015 BB_{157}	17.4	X	167.58033	66.65265	85.80524	5.17573	0.1321822	0.22584844	2.6704923	21	8 27.3	21.6
535692 2015 BD_{157}	16.3	X	239.27534	280.56737	158.24053	14.79577	0.1027267	0.22374779	2.6871808	21	8 6.7	20.2
535693 2015 BQ_{166}	18.0	X	117.25814	277.41797	346.09409	1.81583	0.1873752	0.25246751	2.4793189	21	11 27.2	22.0
535694 2015 BW_{167}	17.3	X	189.71096	343.79115	99.32495	3.42931	0.0581639	0.21543519	2.7558672	21	6 20.4	21.3
535695 2015 BP_{169}	17.6	X	208.75341	304.51735	124.60843	6.30413	0.1241961	0.22069131	2.7119347	21	6 21.0	21.8
535696 2015 BR_{169}	17.1	X	81.30788	306.01094	308.94972	12.06396	0.2333694	0.23000015	2.6382583	21	10 10.5	21.4
535697 2015 BQ_{173}	17.9	X	212.00610	174.86962	4.40711	1.15299	0.1332213	0.25913785	2.4365882	21	11 14.9	21.2
535698 2015 BL_{174}	17.7	X	196.96365	106.49936	326.18958	5.42913	0.1092594	0.21561191	2.7543612	21	6 13.6	22.1
535699 2015 BF_{175}	16.8	X	173.36465	155.79176	326.11020	7.75458	0.0942964	0.22276101	2.6951106	21	7 23.8	20.9
535700 2015 BK_{175}	17.8	X	116.86590	282.69950	319.32009	11.65937	0.2532626	0.23691764	2.5866507	21	10 28.9	22.5
535701 2015 BT_{175}	16.0	X	197.80951	239.42071	113.66888	11.94843	0.1562823	0.18324805	3.0697980	21	3 15.7	21.2
535702 2015 BE_{179}	16.4	X	131.96143	89.71127	336.33063	10.15374	0.0539198	0.18390128	3.0625243	21	3 22.6	20.9
535703 2015 BQ_{179}	17.0	X	114.58782	234.47760	348.64854	6.95166	0.1118680	0.23622450	2.5917081	21	9 28.3	20.8
535704 2015 BU_{179}	16.3	X	129.19693	112.73434	346.22690	9.86813	0.1030662	0.19749897	2.9202912	21	5 3.0	20.8
535705 2015 BN_{180}	17.1	X	327.95338	79.97105	330.64303	14.67293	0.0933077	0.26357547	2.4091623	21	11 10.9	20.1
535706 2015 BP_{181}	17.7	X	184.34964	183.79126	36.73368	5.39046	0.1827473	0.26055692	2.4277333	21	12 3.8	21.4
535707 2015 BF_{182}	16.7	X	240.62884	299.13056	91.67252	7.57789	0.0647190	0.21471262	2.7620466	21	6 11.8	20.6
535708 2015 BM_{182}	17.5	X	226.79784	41.44006	54.81421	5.48433	0.1302460	0.23715778	2.5849043	21	8 16.6	21.3
535709 2015 BM_{184}	16.7	X	41.71214	152.80799	34.68473	6.16823	0.0901420	0.18958410	3.0010146	21	5 3.1	20.5
535710 2015 BK_{185}	16.4	X	181.92684	272.01902	102.47930	9.14557	0.0856776	0.18227266	3.0807398	21	3 24.8	21.2
535711 2015 BK_{186}	17.6	X	248.16434	153.69766	350.39738	6.29987	0.1532519	0.26205529	2.4184703	21	11 8.6	20.8
535712 2015 BN_{186}	17.8	X	62.28815	281.35133	69.85343	5.74558	0.0682706	0.27357749	2.3500791	21	—	—
535713 2015 BC_{187}	16.9	X	303.61780	270.53720	77.40154	3.91383	0.1008631	0.22304875	2.6927923	21	7 2.8	20.3
535714 2015 BP_{188}	18.1	X	182.35104	138.82642	102.15894	7.77224	0.0801494	0.27250553	2.3562380	21	—	—
535715 2015 BV_{188}	18.2	X	304.50917	22.19887	110.46528	7.89592	0.0708274	0.28233837	2.3012093	21	—	—
535716 2015 BY_{188}	16.8	X	55.85966	139.86317	76.86191	4.53592	0.0111935	0.21093836	2.7948962	21	6 22.4	20.6
535717 2015 BE_{194}	17.3	X	106.59972	139.84912	107.14626	7.14247	0.1335510	0.23925058	2.5698082	21	10 26.8	21.2
535718 2015 BC_{197}	16.7	X	255.35002	240.22553	96.07705	3.22034	0.0799666	0.19794344	2.9159180	21	4 20.4	20.9
535719 2015 BH_{200}	17.1	X	65.39965	260.57177	20.07366	5.69598	0.1145558	0.24005812	2.5640419	21	10 17.4	20.4
535720 2015 BM_{201}	17.0	X	246.65709	217.56589	112.97048	4.95193	0.1090382	0.18922029	3.0048601	21	4 2.8	21.6
535721 2015 BV_{201}	17.1	X	265.76629	353.02338	24.50674	3.10924	0.1017349	0.22027845	2.7153222	21	6 20.0	20.9
535722 2015 BF_{202}	16.9	X	145.18586	16.19480	107.69552	5.61055	0.0400558	0.20976280	2.8053286	21	6 20.2	20.8
535723 2015 BF_{203}	18.0	X	261.53584	43.30025	75.13937	3.79487	0.1632222	0.25949323	2.4343632	21	10 25.1	20.8
535724 2015 BJ_{205}	17.0	X	135.67635	282.77792	285.43431	8.65287	0.0499648	0.24143015	2.5543185	21	9 25.3	20.7
535725 2015 BJ_{206}	18.1	X	305.19324	10.57084	88.75054	7.01029	0.1114219	0.27805017	2.3248090	21	12 21.7	20.3
535726 2015 BR_{206}	17.6	X	314.75968	303.26276	134.48902	2.20520	0.0657136	0.28029672	2.3123702	21	12 8.6	20.0
535727 2015 BZ_{208}	16.5	X	265.38077	279.02412	106.92691	17.44314	0.1555092	0.24100328	2.5573338	21	6 23.8	20.2
535728 2015 BC_{210}	17.3	X	196.28521	182.18130	351.57302	2.62800	0.1770913	0.25491464	2.4634260	21	10 17.8	21.1
535729 2015 BZ_{210}	17.4	X	228.84394	358.22987	88.20399	2.51976	0.1410700	0.24573546	2.5243961	21	8 3.2	21.2
535730 2015 BK_{211}	17.5	X	187.99879	218.88948	338.84702	5.20167	0.0800957	0.25813002	2.4429264	21	11 15.5	21.0
535731 2015 BW_{211}	15.9	X	340.71419	240.92775	333.50451	9.86650	0.0382561	0.17695184	3.1421916	21	3 10.8	20.2
535732 2015 BV_{212}	16.2	X	168.86522	260.65019	140.16778	10.93465	0.0896312	0.19727308	2.9225201	21	4 10.4	20.8
535733 2015 BS_{215}	17.8	X	336.73292	72.39564	323.58051	6.55734	0.1238517	0.26906516	2.3762807	21	11 11.5	20.3
535734 2015 BC_{219}	17.3	X	317.70193	267.60664	27.54255	6.86105	0.0236911	0.21278999	2.7786590	21	5 21.3	21.0
535735 2015 BK_{220}	16.0	X	234.11067	262.66396	90.23333	17.53581	0.0933317	0.20549356	2.8440501	21	4 23.0	20.6
535736 2015 BT_{220}	17.5	X	258.43989	28.56184	21.47406	5.33289	0.1139845	0.24019185	2.5630901	21	7 24.8	21.1
535737 2015 BU_{220}	16.3	X	275.26646	215.21679	85.91770	12.29263	0.0728983	0.19740724	2.9211957	21	4 5.9	20.7
535738 2015 BJ_{222}	16.9	X	11.60459	147.01661	85.47640	8.51536	0.0955948	0.20389359	2.8589090	21	5 16.7	20.3
535739 2015 BM_{226}	17.5	X	229.79416	317.51613	42.18000	2.58843	0.0635471	0.20455684	2.8527259	21	4 20.6	21.6
535740 2015 BW_{226}	17.3	X	206.38575	257.58458	156.99886	8.47032	0.1912233	0.22114264	2.7082436	21	5 30.2	21.9
535741 2015 BF_{229}	17.8	X	228.87715	63.43057	339.72419	3.91325	0.1120544	0.22440552	2.6819274	21	6 8.8	21.8
535742 2015 BL_{230}	17.8	X	237.07879	6.46719	57.80707	4.85027	0.1766534	0.23714004	2.5850332	21	7 9.9	21.7
535743 2015 BG_{231}	17.0	X	293.12643	278.29018	53.89540	5.68365	0.1175009	0.22005259	2.7171799	21	5 23.5	20.6
535744 2015 BV_{232}	16.3	X	202.16292	285.77463	84.88300	12.95738	0.0782200	0.19799612	2.9154007	21	4 10.6	20.9
535745 2015 BB_{234}	16.6	X	302.84145	298.18088	336.01809	10.85264	0.0241326	0.19666375	2.9285536	21	4 2.3	20.8
535746 2015 BM_{239}	17.9	X	250.12019	252.35208	251.59838	7.07824	0.1526037	0.26743994	2.3858980	21	11 13.8	20.7
535747 2015 BM_{240}	16.7	X	224.62243	128.41852	261.78450	2.55156	0.1068222	0.21183010	2.7870468	21	5 19.6	20.9
535748 2015 BP_{241}	18.1	X	209.06121	293.28262	261.85274	0.57910	0.1211491	0.26502674	2.4003593	21	12 4.6	21.3
535749 2015 BD_{242}	16.4	X	220.55749	246.22271	139.27534	10.68537	0.1962876	0.21222212	2.7836136	21	5 8.9	21.2
535750 2015 BF_{243}	17.3	X	169.94744	298.55077	152.80040	9.91081	0.1251476	0.21231020	2.7828437	21	6 11.5	21.8
535751 2015 BM_{243}	16.1	X	215.03009	29.39517	300.38870	19.89881	0.1262465	0.17762532	3.1342440	21	2 20.8	21.4
535752 2015 BE_{244}	16.7	X	171.99763	308.35725	139.54882	10.19900	0.1203450	0.21164849	2.7886410	21	6 9.3	21.2
535753 2015 BK_{244}	17.1	X	193.90254	266.23259	159.15219	6.35703	0.1044847	0.21183998	2.7869602	21	6 2.6	21.5
535754 2015 BM_{245}	16.9	X	88.21119	227.85177	302.97374	9.42415	0.0856006	0.20492890	2.8492720	21	6 16.4	20.8
535755 2015 BM_{247}	17.4	X	311.01492	72.69056	306.49412	8.45160	0.0728627	0.24030525	2.5622837	21	8 29.7	20.5
535756 2015 BD_{248}	18.2	X	280.79554	188.33207	243.88675	0.95470	0.1517854	0.25277472	2.4773096	21	9 18.2	21.0
535757 2015 BN_{248}	17.6	X	331.23380	126.05816	309.58309	9.16522	0.1032400	0.27406689	2.3472806	21	—	—
535758 2015 BL_{249}	17.0	X	134.43947	162.25273	309.62989	1.43696	0.0677879	0.20114194	2.8849234	21	5 25.1	21.3
535759 2015 BB_{250}	16.0	X	123.12797	105.77208	321.71295	9.06870	0.0680527	0.17857428	3.1231304	21	3 16.2	20.7
535760 2015 BP_{250}	16.9	X	228.50413	283.16740	128.86388	6.64208	0.0276408	0.21459161	2.7630848	21	6 28.7	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
535761 2015 BE_{251}	18.3	X	2.85919	292.90435	141.53999	5.57662	0.0806511	0.28428097	2.2907139	21	—	—
535762 2015 BM_{251}	17.4	X	175.24064	161.20432	280.45334	0.66946	0.2100049	0.21136432	2.7911398	21	6 4.9	22.2
535763 2015 BT_{252}	17.3	X	204.60484	214.16624	283.88693	6.55194	0.2193728	0.24093159	2.5578410	21	9 4.5	21.6
535764 2015 BY_{252}	18.2	X	217.88072	28.13116	165.59108	6.65509	0.1208102	0.26594359	2.3948392	21	12 13.9	21.4
535765 2015 BB_{253}	16.4	X	225.84699	49.28331	299.17071	11.04597	0.1191124	0.18833153	3.0143061	21	3 25.6	21.4
535766 2015 BK_{253}	17.8	X	241.92681	259.03135	281.41443	5.76106	0.0610275	0.27410893	2.3470405	21	—	—
535767 2015 BX_{253}	16.1	X	109.05745	314.59300	146.72349	14.07231	0.0579142	0.18656435	3.0333110	21	4 15.8	20.6
535768 2015 BF_{255}	16.9	X	96.21992	192.65524	297.93599	6.92386	0.0860594	0.19259765	2.9696281	21	5 3.0	21.2
535769 2015 BA_{256}	16.6	X	90.01838	324.95307	299.60138	14.26321	0.0960076	0.24391903	2.5369131	21	10 16.9	20.5
535770 2015 BV_{256}	16.5	X	242.28245	87.42374	290.66458	10.62704	0.0955181	0.21113834	2.7931310	21	5 23.3	20.8
535771 2015 BE_{257}	16.2	X	173.21984	78.38266	290.40661	9.86272	0.1348625	0.17863194	3.1224582	21	3 3.3	21.3
535772 2015 BZ_{257}	16.4	X	147.86715	119.96330	286.41934	9.86343	0.1389048	0.18577204	3.0419296	21	3 22.3	21.3
535773 2015 BE_{258}	17.2	X	134.75465	241.14996	300.60217	12.74470	0.1068830	0.22853051	2.6495569	21	8 23.9	21.4
535774 2015 BG_{258}	16.0	X	187.26524	221.65996	133.76118	10.39965	0.1048042	0.17912168	3.1167642	21	3 6.1	20.9
535775 2015 BA_{259}	17.9	X	192.20614	10.93392	138.94839	6.79375	0.1121795	0.24090564	2.5580247	21	9 19.2	21.7
535776 2015 BD_{259}	15.8	X	191.27988	228.58241	136.73460	9.67923	0.0665901	0.18220758	3.0814734	21	3 21.4	20.5
535777 2015 BF_{259}	16.4	X	115.26219	116.29386	310.95390	8.67217	0.0790365	0.17617996	3.1513626	21	3 8.5	20.9
535778 2015 BG_{259}	16.0	X	113.96427	288.03683	134.05895	19.64220	0.0983671	0.17420664	3.1751159	21	3 10.5	20.7
535779 2015 BV_{259}	16.6	X	223.55724	217.15471	172.52035	5.12224	0.1686836	0.21037065	2.7999221	21	5 15.7	21.2
535780 2015 BY_{259}	18.0	X	330.04139	188.84852	272.78185	4.40057	0.0748795	0.28202742	2.3029004	21	—	—
535781 2015 BY_{260}	18.0	X	332.52398	186.85681	271.42542	5.27565	0.0637041	0.28222068	2.3018490	21	—	—
535782 2015 BU_{261}	17.7	X	222.40401	177.13843	283.34051	4.01252	0.1990619	0.23635174	2.5907779	21	8 7.7	21.8
535783 2015 BA_{262}	17.8	X	228.95467	317.63155	202.82257	1.92125	0.0959706	0.25820792	2.4424350	21	11 15.9	20.9
535784 2015 BD_{262}	17.7	X	226.85145	167.14189	288.17995	3.75628	0.2426744	0.23799811	2.5788161	21	8 2.2	22.0
535785 2015 BG_{262}	17.8	X	274.51759	338.13869	170.29907	4.40167	0.0841721	0.27364846	2.3496728	21	—	—
535786 2015 BK_{263}	17.0	X	198.98901	236.68914	253.65418	15.58034	0.1490677	0.23310464	2.6147817	21	8 19.7	21.5
535787 2015 BO_{263}	15.8	X	45.54498	254.48270	258.99516	13.43502	0.1307351	0.17424627	3.1746345	21	3 25.1	20.0
535788 2015 BS_{263}	16.2	X	127.95398	206.07047	239.08550	13.17570	0.1291256	0.18498423	3.0505600	21	4 20.2	20.9
535789 2015 BV_{263}	16.6	X	70.54688	102.07856	200.71468	13.64776	0.1014239	0.24643463	2.5196191	21	11 22.1	20.2
535790 2015 BC_{264}	15.5	X	267.06298	359.37347	272.80824	14.57377	0.1166142	0.15571604	3.4217412	21	2 9.3	20.9
535791 2015 BF_{264}	17.8	X	220.00219	252.51656	232.70153	10.54557	0.1414083	0.23853444	2.5749491	21	9 7.7	21.9
535792 2015 BR_{264}	16.3	X	286.71485	71.65767	260.29597	10.79673	0.0563469	0.19643951	2.9307818	21	5 25.2	20.4
535793 2015 BC_{266}	17.0	X	154.82123	44.14421	71.31699	10.53495	0.1294970	0.21795380	2.7345954	21	6 25.6	21.2
535794 2015 BR_{268}	16.8	X	151.25584	321.46430	141.54642	10.88766	0.1927212	0.21013266	2.8020358	21	6 11.6	21.6
535795 2015 BT_{268}	17.3	X	173.97068	320.51610	291.10887	5.73202	0.1235061	0.27445299	2.3450786	21	—	—
535796 2015 BK_{269}	16.5	X	256.89941	200.64210	144.80924	11.02937	0.1725137	0.20937759	2.8087683	21	4 25.4	21.0
535797 2015 BS_{269}	16.8	X	197.71020	1.55510	88.54650	10.60724	0.1203035	0.21870403	2.7283381	21	7 6.7	21.0
535798 2015 BX_{270}	16.1	X	151.81569	185.78219	271.19999	21.19218	0.0378454	0.22689135	2.6623026	21	5 22.1	20.1
535799 2015 BB_{274}	17.1	X	284.00383	4.45724	309.95574	11.62552	0.1676938	0.22723179	2.6596429	21	4 4.1	21.2
535800 2015 BE_{275}	18.1	X	315.45282	274.69585	168.73984	22.12535	0.2627618	0.27314687	2.3525484	21	12 18.1	20.2
535801 2015 BQ_{275}	17.1	X	230.21420	108.31258	274.94037	7.72087	0.1993063	0.21727620	2.7402779	21	5 8.8	21.7
535802 2015 BW_{275}	17.6	X	211.71759	85.31692	138.04946	11.00253	0.1228820	0.26826510	2.3810029	21	—	—
535803 2015 BM_{276}	18.1	X	245.97130	157.05836	10.69524	2.50528	0.1874851	0.26346567	2.4098316	21	12 4.2	20.9
535804 2015 BM_{277}	18.3	X	271.10211	356.90034	104.78379	2.48080	0.1461300	0.25313989	2.4749266	21	10 17.7	21.1
535805 2015 BV_{278}	15.7	X	197.25561	211.71294	144.62667	11.14720	0.0959471	0.17546591	3.1599063	21	3 17.3	20.6
535806 2015 BA_{281}	16.3	X	265.38521	60.82923	253.69595	10.80825	0.0411361	0.19444791	2.9507598	21	4 4.4	20.8
535807 2015 BR_{281}	17.6	X	228.59574	250.00436	193.99796	7.25766	0.1701659	0.23774857	2.5806203	21	7 25.2	21.6
535808 2015 BO_{283}	18.1	X	258.04173	322.57075	184.63682	7.15631	0.1304423	0.27013413	2.3700076	21	12 5.7	20.8
535809 2015 BR_{283}	17.3	X	160.45568	267.78164	272.80419	11.69396	0.2135700	0.23689990	2.5867799	21	9 17.0	22.0
535810 2015 BV_{284}	16.6	X	300.99492	60.21510	203.75821	7.87262	0.0638350	0.18360386	3.0658308	21	3 16.8	21.0
535811 2015 BG_{287}	15.6	X	136.64809	244.63758	156.83780	20.71015	0.0653250	0.17871077	3.1215399	21	3 3.8	20.1
535812 2015 BW_{287}	16.2	X	14.76294	284.47316	247.70234	13.47108	0.0718319	0.17540208	3.1606729	21	2 26.5	20.6
535813 2015 BC_{292}	18.1	X	222.36275	71.23185	128.78067	4.40975	0.1888602	0.26417428	2.4055203	21	12 17.6	21.4
535814 2015 BJ_{292}	17.7	X	194.86012	6.19513	117.85716	3.91034	0.0514436	0.22629752	2.6669581	21	8 20.9	21.5
535815 2015 BE_{293}	17.3	X	238.32221	224.03157	192.61371	13.39701	0.1387513	0.22842367	2.6503830	21	7 3.2	21.6
535816 2015 BE_{295}	17.6	X	218.19065	245.41295	218.20696	10.11085	0.2389187	0.23677714	2.5876739	21	8 2.4	22.2
535817 2015 BF_{295}	16.8	X	87.22794	17.15738	240.03686	12.73426	0.1436071	0.23357188	2.6112934	21	10 13.0	20.7
535818 2015 BK_{296}	18.0	X	204.86558	265.61116	179.69062	11.39097	0.2753300	0.22907006	2.6453948	21	6 30.9	22.9
535819 2015 BF_{298}	15.9	X	173.48503	236.64708	160.22542	27.36487	0.1514168	0.17865852	3.1221485	21	4 14.9	21.3
535820 2015 BF_{299}	17.4	X	170.20385	48.29967	98.31959	3.85492	0.1791770	0.22090540	2.7101822	21	8 21.2	21.9
535821 2015 BT_{299}	17.7	X	162.97084	94.27934	125.68159	5.06212	0.1654806	0.24050219	2.5608847	21	11 14.6	21.8
535822 2015 BC_{300}	17.2	X	72.07511	117.75363	135.03246	11.85738	0.1482263	0.21429641	2.7656218	21	9 25.4	21.2
535823 2015 BR_{300}	17.0	X	259.30824	331.82501	126.81450	11.29288	0.0738829	0.23805171	2.5784290	21	10 9.9	20.5
535824 2015 BT_{300}	17.1	X	156.72933	131.52929	12.41573	7.82792	0.1621916	0.21355311	2.7720354	21	8 6.9	21.7
535825 2015 BV_{300}	16.3	X	85.35778	46.29779	145.69649	12.23828	0.0781316	0.19851255	2.9103423	21	7 9.1	20.4
535826 2015 BH_{301}	17.4	X	215.72568	49.60483	82.90251	3.81739	0.1409336	0.23413194	2.6071275	21	9 19.0	21.3
535827 2015 BM_{301}	16.5	X	135.99712	200.14588	359.81145	17.60716	0.1190248	0.22223713	2.6993444	21	9 22.1	20.7
535828 2015 BR_{301}	17.3	X	127.69178	239.56557	7.43675	12.79939	0.2134332	0.23195853	2.6233878	21	11 11.3	22.0
535829 2015 BF_{302}	17.8	X	312.50039	57.44534	52.84339	6.86739	0.0752740	0.26490817	2.4010755	21	—	—
535830 2015 BG_{302}	15.9	X	98.05046	22.15490	112.89588	9.77336	0.1638513	0.18412324	3.0600626	21	5 27.5	20.4
535831 2015 BN_{302}	16.2	X	110.99682	110.79907	13.23332	16.81657	0.1682960	0.18625083	3.0367141	21	5 21.5	21.0
535832 2015 BD_{303}	17.2	X	209.70985	10.31257	123.76691	12.64971	0.1674546	0.23161713	2.6259650	21	9 14.3	21.4
535833 2015 BM_{303}	17.2	X	267.59846	10.71195	84.31943	5.62891	0.0982210	0.23895819	2.5719041	21	10 10.7	20.5
535834 2015 BT_{303}	16.5	X	84.06432	134.89699	37.01791	9.25421	0.0588556	0.18808261	3.0169651	21	6 7.3	20.7
535835 2015 BH_{304}	16.2	X	109.17064	15.68202	135.32528	8.93808	0.0506683	0.19157612	2.9801752	21	6 13.4	20.5
535836 2015 BJ_{304}	17.9	X	249.25777	74.95181	111.73466	6.18142	0.1401897	0.26606708	2.3940982	21	—	—
535837 2015 BQ_{304}	17.5	X	114.88726	90.31580	140.09024	11.71752	0.1240624	0.22632546	2.6667385	21	10 13.5	21.7
535838 2015 BC_{305}	17.3	X	217.53227	76.21718	46.13132	6.31313	0.1206742	0.23096322	2.6309191	21	9 10.7	21.3
535839 2015 BN_{305}	16.3	X	180.72714	252.81831	162.01562	16.31151	0.0916360	0.18159700	3.0883767	21	5 11.1	21.3
535840 2015 BN_{306}	16.5	X	147.47762	9.35147	92.52225	16.42478	0.0993922	0.20573586	2.8418166	21	6 1.4	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
535841 2015 BR_{307}	16.1	X	267.12260	229.67380	78.66826	9.74476	0.0931482	0.18800948	3.0177474	21	4 2.3	20.6
535842 2015 BT_{307}	18.0	X	133.94746	288.55633	39.23763	7.03627	0.1390014	0.29569233	2.2313927	21	—	—
535843 2015 BT_{308}	16.1	X	153.68460	354.80573	42.80265	8.94496	0.0302363	0.17889094	3.1194437	21	3 18.2	20.6
535844 2015 BY_{310}	21.7	X	45.71006	229.29310	328.65580	4.83412	0.4003041	0.49353291	1.5858373	21	1 27.2*	19.3
535845 2015 BR_{311}	17.5	X	159.20436	11.02218	113.08852	12.55825	0.2277232	0.21882140	2.7273625	21	7 14.5	22.3
535846 2015 BL_{312}	17.4	X	352.78536	286.04679	81.28263	4.96633	0.1123113	0.26219909	2.4175860	21	11 1.1	19.9
535847 2015 BO_{312}	16.1	X	310.63749	253.09207	301.67687	18.22983	0.0274402	0.16494212	3.2929238	21	1 15.2	20.8
535848 2015 BO_{313}	18.0	X	149.62555	252.30767	312.87935	11.65366	0.2057224	0.23677076	2.5877204	21	10 8.3	22.6
535849 2015 BE_{314}	16.7	X	178.47504	242.52527	148.51651	3.32436	0.1130323	0.18433013	3.0577724	21	4 7.6	21.4
535850 2015 BF_{314}	16.6	X	196.34513	70.71672	323.52229	8.37003	0.0878000	0.19232658	2.9724177	21	4 23.4	21.4
535851 2015 BZ_{317}	18.4	X	11.99904	250.92074	145.17413	0.94259	0.1774666	0.28038213	2.3119006	21	—	—
535852 2015 BE_{320}	16.9	X	259.24624	257.75420	113.03776	1.95629	0.0864939	0.21529662	2.7570496	21	6 5.4	20.6
535853 2015 BG_{321}	18.3	X	207.15998	90.64172	16.60374	3.17115	0.1994285	0.23400450	2.6080740	21	8 4.2	22.5
535854 2015 BC_{322}	16.7	X	245.04570	340.93401	342.76416	9.69147	0.0743390	0.18719603	3.0264833	21	3 22.4	21.3
535855 2015 BX_{322}	16.7	X	272.01770	258.33117	120.55302	30.15607	0.2741461	0.23378325	2.6097192	21	6 12.8	21.1
535856 2015 BH_{323}	17.7	X	255.70667	66.97048	347.41420	8.93649	0.2011386	0.23825043	2.5769951	21	7 15.9	21.5
535857 2015 BL_{327}	18.1	X	285.24930	68.58392	19.36963	2.77366	0.1593243	0.25958800	2.4337706	21	10 18.7	20.6
535858 2015 BQ_{327}	17.7	X	173.63899	83.56956	76.35813	3.69417	0.0262495	0.23593951	2.5937947	21	9 14.4	21.2
535859 2015 BJ_{329}	16.6	X	235.24362	345.56578	330.80259	11.28895	0.0488895	0.17906168	3.1174604	21	3 6.1	21.3
535860 2015 BT_{329}	16.1	X	74.03225	153.42426	350.10329	13.07983	0.0649097	0.18347355	3.0672822	21	4 15.5	20.5
535861 2015 BM_{331}	16.5	X	224.35896	2.83029	327.95392	5.86959	0.0717698	0.18215937	3.0820171	21	3 10.5	21.1
535862 2015 BP_{331}	17.3	X	240.21058	269.51187	112.11580	7.03517	0.0722957	0.21275740	2.7789427	21	5 30.5	21.3
535863 2015 BF_{333}	17.3	X	338.18256	273.86931	85.04012	2.54980	0.2753195	0.25203332	2.4821656	21	9 17.3	18.4
535864 2015 BT_{333}	17.1	X	215.73260	12.28639	11.06196	2.80841	0.1618949	0.20658321	2.8340404	21	4 29.4	21.7
535865 2015 BX_{334}	16.7	X	242.49359	234.35178	110.14503	3.24766	0.0909823	0.19548413	2.9403230	21	4 15.6	21.2
535866 2015 BV_{335}	18.1	X	270.65275	31.31004	105.20072	4.37416	0.0242747	0.26976904	2.3721455	21	12 23.4	20.7
535867 2015 BY_{335}	17.6	X	159.96400	99.33030	335.77424	6.87404	0.0473786	0.19878302	2.9077018	21	5 3.8	22.0
535868 2015 BZ_{335}	17.8	X	178.85888	185.60706	34.00641	2.75954	0.1690677	0.25863805	2.4397263	21	11 28.6	21.6
535869 2015 BU_{339}	17.9	X	240.19651	317.20904	106.72738	4.68756	0.1969756	0.23400103	2.6080998	21	7 10.2	21.9
535870 2015 BA_{341}	18.3	X	214.54422	133.23778	88.30102	5.08293	0.1010249	0.27636038	2.3342760	21	—	—
535871 2015 BU_{341}	18.2	X	251.72427	164.62785	9.12811	2.81251	0.1258739	0.27303545	2.3531884	21	—	—
535872 2015 BN_{346}	18.0	X	133.47653	327.62732	334.81409	2.71941	0.0268376	0.28249202	2.3003747	21	—	—
535873 2015 BP_{346}	16.7	X	198.41176	340.28130	48.21955	2.52222	0.0822837	0.19569332	2.9382273	21	4 22.4	21.2
535874 2015 BY_{346}	17.1	X	213.13693	132.69417	297.22526	12.00419	0.1353636	0.22987370	2.6392257	21	6 26.4	21.2
535875 2015 BG_{349}	17.4	X	224.31202	317.73142	80.32572	4.89065	0.0549229	0.21886147	2.7270295	21	6 2.4	21.3
535876 2015 BJ_{349}	16.7	X	175.22308	65.94949	307.86570	8.92447	0.1137872	0.19073080	2.9889742	21	3 9.6	21.4
535877 2015 BL_{349}	17.2	X	274.70728	347.44402	316.69919	5.18660	0.0264885	0.19787819	2.9165590	21	4 5.9	21.5
535878 2015 BD_{352}	17.2	X	253.58191	124.24562	236.25976	3.42816	0.0849838	0.20875915	2.8143128	21	5 16.4	21.0
535879 2015 BF_{352}	17.3	X	157.33957	194.55479	289.29641	6.99838	0.1534250	0.21770426	2.7366847	21	7 10.1	21.6
535880 2015 BM_{352}	16.2	X	319.39128	317.78157	302.02454	11.79729	0.0440114	0.18807148	3.0170841	21	4 1.6	20.6
535881 2015 BN_{353}	16.0	X	36.79967	234.50388	291.98742	11.67317	0.1060351	0.17931927	3.1144743	21	3 24.8	20.2
535882 2015 BO_{353}	17.9	X	196.45021	311.82464	182.72990	4.22695	0.0361014	0.23709529	2.5853585	21	9 6.0	21.4
535883 2015 BT_{353}	17.9	X	204.79200	257.75869	150.21029	8.30379	0.2478964	0.21704818	2.7421968	21	5 20.1	22.8
535884 2015 BB_{354}	18.0	X	277.19134	282.05795	201.53986	0.62783	0.1369116	0.26822043	2.3812673	21	12 1.0	20.5
535885 2015 BG_{354}	17.7	X	229.56768	103.01034	334.20672	7.29423	0.0767007	0.22770404	2.6559643	21	7 29.9	21.4
535886 2015 BU_{354}	17.9	X	196.35022	339.67024	150.87078	10.00001	0.0711043	0.23090776	2.6313404	21	8 29.8	21.7
535887 2015 BN_{355}	17.1	X	197.03250	153.81355	312.59411	13.16853	0.1974875	0.23004820	2.6378908	21	7 25.2	21.4
535888 2015 BQ_{355}	16.1	X	92.38920	125.31080	338.83494	9.28043	0.0217836	0.17751895	3.1354959	21	3 18.7	20.4
535889 2015 BS_{356}	17.5	X	189.02701	126.20305	131.46288	6.56604	0.0906109	0.27566437	2.3382034	21	—	—
535890 2015 BG_{359}	17.0	X	252.89079	316.51979	28.94736	6.29397	0.0736263	0.21039131	2.7997388	21	4 26.9	20.9
535891 2015 BN_{361}	17.0	X	308.69440	276.85740	17.94895	3.72393	0.0705393	0.20937003	2.8088359	21	5 2.6	20.7
535892 2015 BS_{363}	17.3	X	200.10715	22.29443	28.43985	3.39135	0.0105227	0.21178886	2.7874086	21	5 22.0	21.1
535893 2015 BO_{365}	17.4	X	131.76447	70.94171	69.77627	8.34412	0.2067403	0.21605695	2.7505775	21	7 11.1	21.9
535894 2015 BZ_{368}	18.6	X	59.29372	330.36026	46.01543	4.86482	0.1260651	0.29389645	2.2404736	21	—	—
535895 2015 BG_{371}	17.5	X	212.50135	12.84624	16.77974	4.21970	0.2103867	0.21539479	2.7562118	21	5 1.9	22.2
535896 2015 BY_{378}	16.1	X	278.34902	355.62193	314.51327	9.50350	0.0894916	0.19127912	2.9832593	21	4 7.6	20.5
535897 2015 BM_{379}	17.2	X	233.63277	352.44087	39.29630	4.62918	0.0812328	0.21541205	2.7560645	21	6 2.2	21.3
535898 2015 BT_{383}	17.0	X	56.50860	245.90992	318.65619	1.19036	0.1065147	0.20086269	2.8875967	21	6 20.0	20.6
535899 2015 BB_{387}	18.0	X	204.08787	67.56647	26.64371	2.40318	0.1722138	0.22835974	2.6508777	21	7 16.6	22.2
535900 2015 BQ_{393}	18.1	X	255.12861	74.84368	98.88788	7.51891	0.0549836	0.27663687	2.3327203	21	—	—
535901 2015 BD_{397}	18.1	X	177.97494	288.40106	333.12750	2.56091	0.1475056	0.27926454	2.3180645	21	—	—
535902 2015 BU_{407}	17.4	X	211.73817	274.01113	137.45356	8.83894	0.2044299	0.21531786	2.7568683	21	5 30.9	22.1
535903 2015 BR_{408}	17.4	X	131.31036	255.72129	9.13463	2.39286	0.1364021	0.25646565	2.4534841	21	12 10.7	21.3
535904 2015 BX_{410}	17.3	X	218.67705	72.57063	334.73819	3.94500	0.1405215	0.21414648	2.7669125	21	6 1.6	21.7
535905 2015 BD_{411}	17.2	X	209.91150	158.40259	329.41967	9.48986	0.0146924	0.23812740	2.5778826	21	9 14.5	20.6
535906 2015 BP_{413}	17.9	X	160.22466	137.89998	116.21653	6.56417	0.0812275	0.26644294	2.3918461	21	12 29.5	21.3
535907 2015 BU_{414}	17.9	X	279.80902	139.38758	337.49253	8.04495	0.1602929	0.26612569	2.3937466	21	11 18.9	20.6
535908 2015 BP_{415}	18.0	X	234.75484	352.85066	90.42294	3.30588	0.2395488	0.23762293	2.5815299	21	7 26.3	22.0
535909 2015 BT_{418}	16.5	X	159.86400	81.51891	333.49262	14.22263	0.1165612	0.18928306	3.0041957	21	4 10.2	21.4
535910 2015 BO_{421}	17.8	X	182.76057	245.50603	343.80792	2.90130	0.1011777	0.26339075	2.4102885	21	12 20.7	21.3
535911 2015 BC_{422}	17.1	X	180.52438	287.60135	144.45073	11.37009	0.0945975	0.20424775	2.8556032	21	5 29.8	21.7
535912 2015 BS_{425}	18.4	X	250.08705	318.44185	140.64534	18.30808	0.2122844	0.24735182	2.5133867	21	9 6.0	22.0
535913 2015 BD_{429}	17.0	X	237.96338	311.84888	73.78377	3.12202	0.0857396	0.20750463	2.8256445	21	5 30.7	21.1
535914 2015 BE_{429}	17.0	X	280.48728	280.36651	55.04647	2.72463	0.0735139	0.20091038	2.8871397	21	5 19.1	20.9
535915 2015 BW_{430}	16.7	X	71.38053	172.83856	120.42611	10.51636	0.1721515	0.24226694	2.5484333	21	11 21.0	20.6
535916 2015 BH_{431}	18.3	X	269.55074	102.56285	51.92011	3.46179	0.0565408	0.27288954	2.3540271	21	—	—
535917 2015 BN_{431}	16.2	X	248.14950	335.61075	345.17775	11.17300	0.0820678	0.17990698	3.1076878	21	3 22.3	20.9
535918 2015 BT_{431}	17.0	X	83.71053	173.42464	80.27655	5.30194	0.1880451	0.22669974	2.6638026	21	10 14.9	21.0
535919 2015 BJ_{432}	17.5	X	22.08695	268.82368	99.61287	6.34239	0.0774294	0.26118535	2.4238376	21	12 13.3	20.2
535920 2015 BK_{432}	17.3	X	233.21952	29.15420	31.99314	4.93141	0.1149765	0.22274500	2.6952398	21	7 7.9	21.3

* The additional opposition: 7 21.8, $V = 21.0$

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
535921 2015 BQ_{433}	16.9	X	68.65987	167.79438	133.58683	15.69684	0.1394244	0.24542506	2.5265241	21	11 26.0	20.8
535922 2015 BS_{434}	17.6	X	315.44892	312.49967	46.84310	3.05621	0.0726277	0.22650900	2.6652978	21	8 11.9	20.8
535923 2015 BX_{435}	18.2	X	185.10771	102.11291	114.10756	3.60984	0.1756628	0.25519373	2.4616296	21	11 30.2	22.1
535924 2015 BE_{437}	17.4	X	319.05782	257.86227	83.73281	2.56757	0.0284190	0.21902993	2.7256311	21	7 26.9	20.8
535925 2015 BO_{437}	17.8	X	244.39177	56.99995	96.02935	2.16232	0.1223859	0.26052558	2.4279280	21	11 22.7	20.6
535926 2015 BC_{439}	17.9	X	265.90000	110.83845	321.72671	11.52776	0.1493449	0.24196782	2.5505332	21	8 26.0	21.1
535927 2015 BJ_{440}	16.2	X	190.30035	220.75580	144.77486	14.97818	0.2504921	0.18104547	3.0946458	21	3 23.9	21.7
535928 2015 BM_{440}	18.3	X	199.27922	248.64189	357.45455	2.39195	0.1334187	0.27436699	2.3455686	21	—	—
535929 2015 BV_{440}	17.2	X	216.38142	271.71452	130.83612	3.51131	0.0532376	0.20287705	2.8684510	21	5 31.1	21.4
535930 2015 BB_{441}	17.1	X	43.07989	154.49384	123.74719	3.02447	0.0485649	0.22491469	2.6778783	21	9 2.8	20.6
535931 2015 BC_{441}	17.1	X	115.54403	294.36169	330.35453	16.13894	0.2747601	0.23931528	2.5693450	21	11 26.3	22.0
535932 2015 BZ_{441}	17.1	X	187.85152	11.69307	41.34047	2.39227	0.0977352	0.19715914	2.9236459	21	5 11.3	21.6
535933 2015 BK_{442}	16.8	X	208.23499	257.39205	137.75745	7.06566	0.0855539	0.19687614	2.9264469	21	5 12.9	21.3
535934 2015 BO_{442}	17.3	X	304.96353	250.47679	131.96374	5.58925	0.2481612	0.23960247	2.5672915	21	7 30.9	19.9
535935 2015 BS_{442}	16.3	X	74.11272	141.83717	337.03114	8.55080	0.0561625	0.17495655	3.1660364	21	3 18.5	20.6
535936 2015 BV_{442}	16.0	X	141.57669	85.91259	332.25212	10.31260	0.0745559	0.17992831	3.1074422	21	3 26.0	20.8
535937 2015 BJ_{443}	16.9	X	122.55347	338.95274	137.48142	13.51736	0.0257418	0.19246255	2.9710176	21	5 16.6	21.3
535938 2015 BX_{443}	18.5	X	161.65080	266.04397	4.91418	4.91638	0.0960648	0.27117745	2.3639249	21	—	—
535939 2015 BD_{444}	18.2	X	202.86405	233.71191	30.62726	2.34458	0.2082104	0.27996272	2.3142090	21	—	—
535940 2015 BG_{444}	17.0	X	163.94301	100.92635	0.55510	6.46435	0.0110565	0.20378743	2.8599018	21	6 11.6	21.1
535941 2015 BP_{444}	17.1	X	76.87538	302.45065	340.61566	12.62338	0.1460157	0.23832286	2.5764729	21	11 1.8	21.1
535942 2015 BD_{445}	16.5	X	218.43966	356.03685	346.95611	10.81657	0.0505718	0.17585586	3.1552333	21	3 20.1	21.2
535943 2015 BF_{445}	16.1	X	151.80807	49.23494	350.60240	10.75567	0.0722431	0.17462447	3.1700491	21	3 18.3	20.7
535944 2015 BG_{445}	16.5	X	187.58380	36.84908	346.41774	10.24297	0.1831612	0.18698799	3.0287277	21	4 3.8	21.7
535945 2015 BU_{445}	17.6	X	153.13490	167.11616	46.33310	2.77503	0.0326257	0.24520543	2.5280326	21	10 28.5	21.0
535946 2015 BL_{446}	17.7	X	196.77139	351.57427	89.65130	4.64931	0.1753227	0.21660922	2.7459002	21	6 22.8	22.3
535947 2015 BQ_{446}	18.2	X	200.25519	227.50793	2.98419	6.44568	0.0748582	0.27127246	2.3633729	21	—	—
535948 2015 BW_{446}	16.2	X	243.49085	338.24128	348.39788	11.66161	0.0173365	0.17941146	3.1134072	21	3 29.7	20.7
535949 2015 BH_{449}	17.8	X	141.57692	315.02689	356.61734	6.64386	0.1186460	0.28087705	2.3091840	21	—	—
535950 2015 BW_{449}	18.0	X	333.16460	314.37134	111.72673	6.94953	0.1299818	0.26655999	2.3911459	21	12 22.4	20.1
535951 2015 BY_{450}	16.5	X	340.83377	103.22981	133.00102	10.97379	0.0953408	0.17680500	3.1439311	21	4 8.1	20.7
535952 2015 BV_{451}	16.5	X	341.63100	100.48452	138.24916	12.03867	0.0709710	0.17890344	3.1192984	21	4 14.9	20.8
535953 2015 BE_{453}	17.6	X	64.94684	149.50955	131.50563	5.09831	0.0400613	0.23962815	2.5671081	21	10 8.6	20.9
535954 2015 BL_{453}	18.5	X	238.80924	231.01501	317.59856	5.00971	0.1717987	0.27027608	2.3691777	21	12 27.2	21.4
535955 2015 BM_{453}	18.2	X	211.83045	57.81598	131.17330	2.23354	0.1383122	0.25990650	2.4317819	21	11 27.5	21.6
535956 2015 BF_{454}	17.4	X	297.58741	262.75127	132.35984	12.33202	0.0705555	0.23893793	2.5720495	21	9 6.0	20.5
535957 2015 BW_{457}	16.2	X	251.13740	332.77739	332.84611	10.16435	0.0751380	0.17304892	3.1892614	21	3 9.2	20.9
535958 2015 BL_{458}	17.7	X	310.77866	80.48479	329.05299	13.60131	0.0272549	0.24671576	2.5177047	21	10 11.2	21.2
535959 2015 BK_{459}	16.9	X	231.07296	349.86375	57.42676	0.97782	0.0739067	0.21385481	2.7694277	21	6 20.8	20.9
535960 2015 BW_{462}	17.5	X	169.12792	25.68002	45.61603	2.08211	0.0991785	0.19632637	2.9319077	21	5 14.8	22.1
535961 2015 BL_{465}	16.5	X	53.96273	359.16997	218.34977	14.65215	0.0850999	0.20175097	2.8791147	21	6 28.8	20.5
535962 2015 BH_{466}	18.3	X	304.38295	229.66644	237.09023	9.51231	0.1487771	0.27009815	2.3702181	21	12 26.5	20.4
535963 2015 BL_{466}	17.4	X	109.91700	349.60880	252.53231	11.08457	0.1417268	0.23176945	2.6248143	21	10 17.4	21.6
535964 2015 BF_{467}	17.3	X	268.64261	163.58101	288.77531	14.02274	0.0477415	0.24294383	2.5436975	21	10 5.5	20.9
535965 2015 BZ_{467}	17.2	X	268.43982	29.66699	2.06315	5.90734	0.0341564	0.21967153	2.7203213	21	7 24.9	21.0
535966 2015 BC_{468}	16.6	X	122.14192	109.65444	341.86479	14.46560	0.0909459	0.18475135	3.0531230	21	4 12.8	21.3
535967 2015 BH_{468}	17.5	X	243.69089	315.52044	104.38547	6.12493	0.1415001	0.22617123	2.6679508	21	7 14.8	21.5
535968 2015 BM_{468}	17.3	X	175.96277	112.02702	345.69143	11.51089	0.1410798	0.21167305	2.7884252	21	6 25.4	21.9
535969 2015 BS_{468}	16.3	X	103.12700	143.00040	339.91459	18.42101	0.1385495	0.18865043	3.0109083	21	5 3.8	21.0
535970 2015 BU_{468}	17.2	X	156.90364	302.93976	245.54364	11.85665	0.0865604	0.23406894	2.6075953	21	9 24.2	21.3
535971 2015 BC_{469}	17.0	X	263.18805	322.06796	104.71368	4.22229	0.0933960	0.23478163	2.6023157	21	8 25.8	20.3
535972 2015 BF_{469}	16.7	X	217.74613	111.07274	340.12964	13.92987	0.0650383	0.22347524	2.6893651	21	8 6.5	20.6
535973 2015 BY_{472}	16.3	X	223.51435	240.74091	139.89608	13.93325	0.1991220	0.21076326	2.7964439	21	5 6.6	21.2
535974 2015 BX_{477}	17.6	X	144.36011	64.84839	271.88784	4.34777	0.1689705	0.30589266	2.1815073	21	—	—
535975 2015 BY_{484}	17.9	X	172.70507	69.29547	152.84671	2.63691	0.1430869	0.25749775	2.4469237	21	11 28.1	21.7
535976 2015 BH_{485}	16.1	X	253.23465	143.96848	144.26230	11.50210	0.0525178	0.17128192	3.2111582	21	2 23.8	20.9
535977 2015 BS_{493}	17.4	X	99.36826	83.82298	134.76025	7.20438	0.0529753	0.22709042	2.6607465	21	8 30.7	21.0
535978 2015 BC_{496}	18.1	X	202.17584	339.74744	86.71187	2.60979	0.2170411	0.21843025	2.7306174	21	6 8.2	22.7
535979 2015 BM_{496}	16.2	X	205.68573	331.71657	3.07440	1.29589	0.0381542	0.17085664	3.2164845	21	2 27.3	20.8
535980 2015 BR_{499}	16.8	X	212.48859	198.48191	160.22303	5.45798	0.0806762	0.18555322	3.0443205	21	4 2.6	21.4
535981 2015 BV_{499}	18.6	X	183.77201	358.17556	244.26343	1.50276	0.1436160	0.26845851	2.3798592	21	—	—
535982 2015 BB_{502}	18.6	X	302.69640	231.85251	215.37269	2.27146	0.2009739	0.26792139	2.3830389	21	11 18.6	20.4
535983 2015 BL_{507}	16.3	X	184.91242	52.90358	310.95599	10.22266	0.0821702	0.17663347	3.1459662	21	3 7.5	21.2
535984 2015 BK_{513}	18.2	X	278.48688	219.29320	244.62329	1.63279	0.1691251	0.26737974	2.3862561	21	10 29.9	20.7
535985 2015 BF_{515}	9.9	X	48.74879	103.53749	322.27774	28.37872	0.1654183	0.01080081	20.2689831	21	2 1.2	22.5
535986 2015 BN_{518}	6.8	X	340.18344	204.30843	312.21732	22.59290	0.2175061	0.00314990	46.0897678	21	1 26.1	22.5
535987 2015 BO_{518}	6.8	X	322.50347	236.00056	340.82585	7.70173	0.2307561	0.00313507	46.2350732	21	2 27.3	22.7
535988 2015 BU_{518}	7.5	X	16.37594	132.68556	61.32077	11.38893	0.2730323	0.00341310	43.6887685	21	5 4.9	22.6
535989 2015 BV_{518}	5.8	X	123.55679	276.10380	98.32283	1.79070	0.0387688	0.00331359	44.5591328	21	2 10.3	22.4
535990 2015 BW_{518}	6.7	X	7.64415	98.81408	35.67758	9.25281	0.1478318	0.00330763	44.6126317	21	2 16.5	22.5
535991 2015 BD_{519}	5.9	X	318.65207	95.52548	120.60575	10.39474	0.3420516	0.00243081	54.7817362	21	2 8.6	22.4
535992 2015 BF_{519}	7.7	X	347.63873	266.66698	290.46405	19.21235	0.3186449	0.00404672	39.0002606	21	3 3.4	22.1
535993 2015 BG_{519}	6.5	X	217.17938	353.10346	330.76856	34.47136	0.0323763	0.00407676	38.8084218	21	3 8.2	22.5
535994 2015 BH_{519}	6.3	X	336.06139	241.28886	7.33484	27.89628	0.3252100	0.00250772	53.6558262	21	4 6.9	22.2
535995 2015 BK_{529}	17.4	X	72.66546	351.25509	341.89733	15.07195	0.0694962	0.26697702	2.3886552	21	—	—
535996 2015 BT_{529}	16.6	X	57.51017	173.79185	330.33417	8.63821	0.0628125	0.17494764	3.1661439	21	3 27.2	20.8
535997 2015 BX_{529}	17.3	X	181.36441	134.88458	16.16291	12.30040	0.1934552	0.22501454	2.6770860	21	9 8.4	21.8
535998 2015 BY_{529}	17.1	X	190.35205	141.76766	329.61264	21.54550	0.0539420	0.22723170	2.6596436	21	8 2.8	21.1
535999 2015 BU_{530}	16.8	X	197.62088	280.98940	157.33654	9.46377	0.1369596	0.21087878	2.7954225	21	6 21.4	21.4
536000 2015 BH_{531}	17.3	X	146.51487	205.95822	274.59400	4.27273	0.2010773	0.20219865	2.8748634	21	6 28.3	22.0