Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492001 2013 EH_{111}	17.8	X	293.25284	122.23792	75.26558	4.82310	0.1592227	0.25252656	2.4789324	20	—	—
492002 2013 EB_{117}	18.2	X	269.85364	93.98825	141.46365	4.90695	0.1558587	0.25904386	2.4371776	20	—	—
492003 2013 ES_{122}	17.9	X	314.63890	28.30218	180.30578	6.82267	0.0820288	0.26540773	2.3980616	20	1 18.3	21.0
492004 2013 FT_{4}	17.9	X	240.84466	270.98418	24.22027	2.54163	0.1918697	0.26133716	2.4228988	20	2 7.3	21.8
492005 2013 FK_{6}	17.3	X	332.77795	68.71416	24.52882	9.27805	0.0839615	0.23196492	2.6233396	20	—	—
492006 2013 FT_{8}	18.4	X	278.61701	195.15475	23.00255	2.73865	0.1362311	0.25401254	2.4692550	20	—	—
492007 2013 FE_{10}	17.7	X	345.39621	162.02711	3.44774	5.01410	0.1328287	0.26322671	2.4112898	20	—	—
492008 2013 FE_{13}	17.6	X	18.06263	36.59693	102.99598	7.33906	0.0678764	0.26586653	2.3953020	20	1 21.9	20.3
492009 2013 FG_{16}	17.1	X	271.10764	189.43315	15.92428	15.04199	0.0351905	0.24568693	2.5247285	20	—	—
492010 2013 FM_{18}	17.0	X	302.75427	102.23552	19.76379	9.02347	0.0495609	0.23008034	2.6376452	20	—	—
492011 2013 FA_{23}	18.0	X	283.45654	234.35722	1.35224	0.79247	0.1366027	0.25924524	2.4359153	20	1 10.3	21.5
492012 2013 FD_{23}	17.6	X	303.19232	1.54974	206.72675	6.06331	0.0802683	0.25966182	2.4333093	20	1 4.7	20.8
492013 2013 FT_{24}	17.9	X	271.62195	17.12487	228.04302	1.39451	0.1474970	0.25683411	2.4511370	20	1 8.5	21.6
492014 2013 FN_{27}	18.1	X	243.32528	184.74283	27.59612	2.82175	0.1470651	0.23514358	2.5996445	20	—	—
492015 2013 GU	16.7	X	332.95958	330.36683	88.70081	7.37137	0.1071312	0.21641493	2.7475435	20	12 9.3	19.7
492016 2013 GS_{10}	17.5	X	309.82938	9.01621	132.68883	6.03256	0.0753499	0.24001772	2.5643296	20	—	—
492017 2013 GC_{13}	17.7	X	294.11436	216.25947	353.26435	7.08793	0.0677144	0.25930820	2.4355210	20	—	—
492018 2013 GO_{15}	16.9	X	198.50668	220.02804	31.73308	15.71569	0.2414917	0.22714801	2.6602968	20	—	—
492019 2013 GD_{20}	18.2	X	261.61050	81.43744	186.40987	11.62473	0.2562965	0.25555047	2.4593382	20	1 16.8	22.6
492020 2013 GK_{26}	17.2	X	190.19772	234.34383	5.05236	7.70517	0.1479099	0.22437837	2.6821438	20	—	—
492021 2013 GT_{33}	17.7	X	218.31088	338.59083	294.06893	2.18091	0.1292086	0.24474945	2.5311714	20	—	—
492022 2013 GQ_{35}	17.1	X	224.22802	60.30806	195.54137	31.13658	0.2904121	0.23389851	2.6088619	20	—	—
492023 2013 GT_{37}	17.4	X	203.75905	78.32849	187.85155	14.97815	0.1228397	0.23757340	2.5818886	20	—	—
492024 2013 GM_{42}	17.2	X	357.87624	62.21880	35.63117	11.11794	0.1033174	0.23941144	2.5686570	20	—	—
492025 2013 GJ_{48}	17.9	X	221.90369	214.64971	48.01602	7.97517	0.1822874	0.24161080	2.5530451	20	—	—
492026 2013 GK_{49}	17.9	X	273.29789	85.08929	181.27866	2.37335	0.1722012	0.26163191	2.4210787	20	2 2.1	21.3
492027 2013 GU_{49}	17.4	X	326.30251	297.52771	187.37234	8.68109	0.1117037	0.23913952	2.5706038	20	—	—
492028 2013 GU_{55}	17.8	X	247.46043	201.15727	34.07522	13.73779	0.2018699	0.24370385	2.5384062	20	—	—
492029 2013 GB_{67}	17.5	X	25.93841	245.10695	188.15500	10.21618	0.2565311	0.25473826	2.4645630	20	—	—
492030 2013 GU_{70}	17.3	X	239.56537	211.51987	23.08191	9.24599	0.1161381	0.23818575	2.5774616	20	—	—
492031 2013 GH_{71}	18.0	X	29.63626	359.50223	60.84827	2.19619	0.1068255	0.23458184	2.6037930	20	—	—
492032 2013 GO_{71}	17.3	X	249.13418	215.51064	46.40084	6.98495	0.0682766	0.25205055	2.4820524	20	1 14.1	20.8
492033 2013 GB_{73}	17.7	X	218.72336	224.73919	30.43206	11.61894	0.1826282	0.23807824	2.5782374	20	—	—
492034 2013 GY_{76}	17.4	X	253.76448	221.96212	39.00608	4.46672	0.1598451	0.25515165	2.4619003	20	1 10.7	21.3
492035 2013 GN_{78}	17.2	X	258.90000	147.48298	49.07813	6.03788	0.2154326	0.23360779	2.6110259	20	—	—
492036 2013 GV_{81}	16.9	X	25.81813	222.53072	212.44013	21.46903	0.0484127	0.22777151	2.6554398	20	—	—
492037 2013 GT_{87}	16.1	X	198.21853	114.31492	62.08296	15.87121	0.0953274	0.20235406	2.8733913	20	11 3.7	20.5
492038 2013 GT_{88}	17.2	X	276.15497	346.79156	197.49175	13.84046	0.1758642	0.23469859	2.6029294	20	—	—
492039 2013 GE_{91}	17.8	X	243.84019	49.08074	219.44780	11.35312	0.2456065	0.24215235	2.5492372	20	1 6.1	22.4
492040 2013 GN_{97}	17.6	X	258.69325	223.66406	350.32066	3.06878	0.1463480	0.24161952	2.5529837	20	—	—
492041 2013 GB_{102}	18.0	X	353.73416	174.36043	33.02137	2.88886	0.1855430	0.27748805	2.3279476	20	3 5.0	19.8
492042 2013 GJ_{112}	17.7	X	254.03975	355.14865	250.14271	3.62519	0.2143621	0.24287610	2.5441704	20	—	—
492043 2013 GL_{112}	17.6	X	239.01572	23.05067	219.91078	13.66144	0.2109892	0.23772951	2.5807582	20	—	—
492044 2013 GC_{116}	17.0	X	359.16695	333.00958	163.24964	14.90631	0.0616511	0.25069780	2.4909730	20	—	—
492045 2013 GR_{129}	17.5	X	275.12517	110.08682	64.53677	13.73018	0.1842293	0.23772915	2.5807608	20	—	—
492046 2013 GE_{130}	17.2	X	209.35678	72.33201	178.92578	11.68082	0.2615819	0.22859524	2.6490567	20	—	—
492047 2013 GR_{131}	17.1	X	220.56020	49.21297	163.56541	14.31498	0.1547192	0.22781238	2.6551221	20	—	—
492048 2013 GC_{136}	16.9	X	172.18518	133.43453	139.56415	5.69817	0.1348544	0.21853321	2.7297597	20	—	—
492049 2013 HX_{1}	17.0	X	184.88864	197.21643	92.42898	9.39489	0.0723106	0.23501274	2.6006093	20	—	—
492050 2013 HB_{6}	17.3	X	236.08659	150.87576	112.03132	6.26205	0.1737009	0.23969495	2.5666312	20	—	—
492051 2013 HV_{8}	17.7	X	262.55308	358.83125	154.17295	13.42906	0.2183911	0.22899714	2.6459564	20	12 9.9	21.0
492052 2013 HF_{11}	17.1	X	192.29571	220.71018	33.73199	13.72397	0.2138848	0.22337159	2.6901971	20	—	—
492053 2013 HJ_{14}	17.3	X	253.87305	90.47552	126.61490	13.47933	0.1260709	0.23732351	2.5837007	20	—	—
492054 2013 HK_{17}	16.5	X	239.71204	9.95269	233.82000	13.22946	0.0812240	0.23559965	2.5962886	20	—	—
492055 2013 HF_{25}	16.6	X	307.60676	131.29511	36.94558	12.82747	0.1079998	0.23996632	2.5646958	20	—	—
492056 2013 HS_{25}	17.1	X	190.54200	153.39331	143.53113	14.37890	0.2490832	0.22808200	2.6530293	20	1 3.6	21.9
492057 2013 HN_{26}	17.3	X	174.02392	235.01582	38.37428	4.66912	0.1127586	0.22363504	2.6880839	20	—	—
492058 2013 HH_{27}	17.2	X	226.66117	9.84570	224.42220	13.15245	0.2045135	0.22990072	2.6390189	20	—	—
492059 2013 HP_{28}	16.9	X	147.13417	200.73948	108.62666	10.59573	0.2030320	0.21782866	2.7356427	20	—	—
492060 2013 HH_{52}	17.4	X	241.09142	1.29247	266.92215	4.70202	0.1157714	0.25150385	2.4856480	20	1 9.2	21.2
492061 2013 HY_{54}	17.7	X	358.13396	207.39502	267.11409	2.85300	0.0587000	0.24447560	2.5330613	20	—	—
492062 2013 HV_{82}	18.0	X	324.89717	119.50040	6.89582	2.88348	0.0511987	0.23353057	2.6116014	20	—	—
492063 2013 HY_{99}	17.0	X	319.72727	201.08984	204.82942	14.67400	0.1287617	0.20309101	2.8664360	20	10 26.4	20.3
492064 2013 HL_{101}	17.9	X	101.18662	341.49377	52.19526	2.29026	0.2410183	0.25221480	2.4809747	20	2 3.3	20.8
492065 2013 HU_{108}	17.8	X	38.18242	2.51855	44.12970	2.95479	0.2051637	0.23362762	2.6108781	20	—	—
492066 2013 HC_{109}	17.6	X	156.91665	229.61629	53.89568	3.33413	0.0237825	0.22725163	2.6594880	20	—	—
492067 2013 HE_{113}	17.7	X	303.52372	74.12464	21.39856	4.24060	0.0383000	0.21369343	2.7708219	20	12 10.8	21.3
492068 2013 HG_{116}	17.9	X	297.70172	84.07333	42.51784	2.83618	0.0949025	0.22596903	2.6695421	20	—	—
492069 2013 HQ_{125}	17.3	X	349.66783	220.01746	225.54357	13.09529	0.0671353	0.22947103	2.6423123	20	—	—
492070 2013 HB_{136}	17.7	X	226.07732	266.68933	4.83466	2.71203	0.2025109	0.24171267	2.5523277	20	—	—
492071 2013 HB_{144}	17.6	X	242.16542	137.19941	94.60627	12.13159	0.1826672	0.23976322	2.5661439	20	—	—
492072 2013 JY	18.6	X	235.99706	106.53745	153.12385	3.94182	0.2467404	0.24168488	2.5525234	20	—	—
492073 2013 JK_{1}	17.8	X	197.31630	146.40195	119.24769	5.63061	0.1749232	0.23096121	2.6309344	20	—	—
492074 2013 JM_{1}	17.4	X	193.28447	93.38440	166.86536	6.58674	0.1774621	0.22745308	2.6579175	20	—	—
492075 2013 JE_{2}	16.7	X	186.68599	123.71471	167.04374	28.17218	0.0873654	0.23025852	2.6362843	20	—	—
492076 2013 JC_{5}	17.0	X	263.89042	3.96301	227.14434	12.70834	0.1119073	0.24301193	2.5432223	20	—	—
492077 2013 JN_{5}	16.4	X	117.77037	205.76234	51.09773	16.16757	0.1017390	0.20566326	2.8424854	20	11 16.1	20.8
492078 2013 JO_{9}	17.5	X	195.91166	253.31707	36.10862	2.18358	0.1987574	0.23390442	2.6088179	20	—	—
492079 2013 JH_{10}	17.4	X	269.51768	202.98784	48.86197	7.61309	0.0723439	0.25456706	2.4656679	20	1 24.8	20.9
492080 2013 JT_{11}	17.6	X	254.79639	163.28928	75.57311	3.61811	0.1217586	0.24310066	2.5426034	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492081 2013 JB_{14}	16.9	X	158.24256	254.72684	53.19732	12.90472	0.1896740	0.22225115	2.6992309	20	—	—
492082 2013 JE_{15}	16.0	X	278.07171	314.71248	254.21691	13.11357	0.1313421	0.24068133	2.5596138	20	—	—
492083 2013 JT_{20}	17.6	X	214.59072	163.79499	119.47133	7.66903	0.1200501	0.23682884	2.5872973	20	1 4.0	21.5
492084 2013 JC_{22}	16.5	X	292.72725	28.40171	166.89929	8.11842	0.1377293	0.24127937	2.5553826	20	—	—
492085 2013 JM_{30}	17.5	X	212.90056	14.62757	235.49174	5.44306	0.1452295	0.22767079	2.6562228	20	—	—
492086 2013 JT_{31}	17.4	X	218.10027	97.80010	166.42743	13.21212	0.1163667	0.23215122	2.6219359	20	—	—
492087 2013 JW_{35}	16.3	X	52.47249	238.55831	97.30744	11.49301	0.1022460	0.19229697	2.9727229	20	12 9.7	20.5
492088 2013 JK_{38}	16.5	X	122.91922	252.77746	105.97679	14.99376	0.0765638	0.23135967	2.6279128	20	—	—
492089 2013 JE_{39}	17.6	X	263.57110	104.96709	89.63140	3.91916	0.1466249	0.23641343	2.5903271	20	—	—
492090 2013 JX_{40}	17.5	X	279.59281	171.44270	40.18971	2.22304	0.0793296	0.24334014	2.5409350	20	—	—
492091 2013 JW_{45}	17.0	X	216.69191	249.42285	43.27860	12.26081	0.1809559	0.23975406	2.5662093	20	1 19.1	21.5
492092 2013 JD_{46}	16.4	X	74.78326	101.14795	239.87989	13.58429	0.1636896	0.20327154	2.8647386	20	—	—
492093 2013 JD_{47}	16.8	X	255.55753	115.04391	105.60185	14.77063	0.0159136	0.23010042	2.6374917	20	—	—
492094 2013 JF_{54}	17.4	X	224.06957	72.31079	197.13387	3.28430	0.2047808	0.23674628	2.5878987	20	—	—
492095 2013 JX_{54}	17.0	X	251.64261	190.71077	58.22853	15.71872	0.0560281	0.24360354	2.5391030	20	1 1.4	20.8
492096 2013 JC_{55}	17.7	X	271.12886	139.94671	77.82694	5.41332	0.1065125	0.24009413	2.5637855	20	—	—
492097 2013 JF_{55}	17.8	X	272.39219	194.20227	102.06741	2.34375	0.1790840	0.26322832	2.4112800	20	3 10.8	21.3
492098 2013 JU_{56}	17.1	X	192.74442	175.93940	74.01099	13.66505	0.0674588	0.21997037	2.7178570	20	—	—
492099 2013 JA_{57}	17.3	X	251.94560	15.78814	216.79117	12.93711	0.1149472	0.23754502	2.5820943	20	—	—
492100 2013 JV_{60}	17.9	X	211.96902	44.96221	212.24494	1.59575	0.1570182	0.22859087	2.6490905	20	—	—
492101 2013 JV_{61}	17.2	X	180.03573	73.85747	217.16804	9.48927	0.1207262	0.22590342	2.6700590	20	—	—
492102 2013 JT_{62}	17.1	X	266.83193	26.09108	174.99149	5.21651	0.1213063	0.23562857	2.5960761	20	—	—
492103 2013 JV_{62}	17.3	X	217.62843	228.70098	38.58947	10.07813	0.1766623	0.23585525	2.5944124	20	—	—
492104 2013 KM	17.3	X	227.80529	206.55069	58.28161	3.85476	0.1416018	0.23835895	2.5762128	20	—	—
492105 2013 KT_{2}	16.2	X	279.96192	312.78594	259.78428	11.16501	0.1848594	0.24270884	2.5453391	20	—	—
492106 2013 KX_{2}	16.8	X	224.39091	188.03196	76.99964	14.98238	0.1328077	0.23445564	2.6047273	20	—	—
492107 2013 KC_{3}	17.5	X	249.43658	72.46476	171.88600	29.09176	0.3409764	0.23617565	2.5920655	20	—	—
492108 2013 KM_{7}	16.8	X	300.81836	44.41750	147.20270	14.02457	0.2506976	0.24408366	2.5357722	20	—	—
492109 2013 KR_{8}	16.9	X	274.08747	321.32920	221.92128	12.81385	0.0264072	0.23228512	2.6209282	20	—	—
492110 2013 KE_{9}	17.5	X	176.69575	56.39381	214.31786	2.95488	0.1559360	0.21585233	2.7523155	20	—	—
492111 2013 KW_{12}	17.4	X	300.26596	338.32873	217.97512	3.75818	0.1859178	0.24520012	2.5280691	20	—	—
492112 2013 KC_{15}	17.2	X	219.33672	134.19891	158.45971	8.85274	0.1528108	0.23951505	2.5679162	20	1 18.2	21.4
492113 2013 KY_{17}	16.8	X	304.15136	68.87756	119.94078	12.05220	0.2242373	0.24385782	2.5373376	20	—	—
492114 2013 KC_{18}	17.2	X	202.04767	30.98748	226.05067	4.54120	0.2549762	0.22509690	2.6764330	20	—	—
492115 2013 LO	16.3	X	311.26386	262.04567	241.48903	13.71963	0.0774454	0.22776522	2.6554886	20	—	—
492116 2013 LP	16.9	X	245.03689	332.74800	242.36408	12.03350	0.1480749	0.22864305	2.6486875	20	—	—
492117 2013 LJ_{2}	17.2	X	207.04702	145.78120	123.29742	20.11455	0.2036591	0.22734499	2.6587599	20	—	—
492118 2013 LC_{4}	17.5	X	291.05332	125.19033	69.18560	10.05346	0.1065616	0.23948985	2.5680963	20	—	—
492119 2013 LA_{5}	17.1	X	213.12576	172.37798	83.19621	12.22109	0.1379439	0.22745394	2.6579108	20	—	—
492120 2013 LP_{6}	16.9	X	155.48874	97.70032	211.60564	8.42564	0.2140626	0.21660216	2.7459599	20	—	—
492121 2013 LP_{8}	17.0	X	224.87909	112.82721	145.08623	14.13231	0.1363578	0.23064854	2.6333115	20	—	—
492122 2013 LC_{18}	16.6	X	3.32560	242.29114	239.96762	21.31817	0.0919950	0.23968457	2.5667053	20	—	—
492123 2013 LO_{18}	17.2	X	210.38236	216.61208	72.14743	5.39418	0.2306565	0.23613076	2.5923940	20	1 7.8	21.7
492124 2013 LM_{23}	17.5	X	214.31206	137.69554	93.63741	2.93280	0.1382334	0.22294395	2.6936361	20	—	—
492125 2013 LW_{23}	16.7	X	15.68387	27.00793	75.53047	13.82989	0.1016821	0.23603187	2.5931180	20	—	—
492126 2013 LT_{24}	17.1	X	199.87467	103.69332	223.33111	14.27531	0.1895081	0.24080078	2.5587673	20	2 7.0	21.7
492127 2013 LK_{26}	17.2	X	122.28181	194.02161	128.41016	9.76605	0.1451372	0.21297757	2.7770272	20	—	—
492128 2013 LH_{32}	17.5	X	239.80070	77.91379	189.67410	8.48608	0.1368837	0.23927099	2.5696621	20	1 7.2	21.7
492129 2013 LR_{34}	16.6	X	160.28694	25.37237	259.86962	10.68393	0.2164199	0.21223163	2.7835304	20	—	—
492130 2013 MJ_{1}	17.1	X	242.50291	357.49969	205.98350	12.96392	0.0992423	0.22252947	2.6969798	20	—	—
492131 2013 MX_{1}	16.8	X	163.05015	211.54527	123.03070	13.39810	0.1046452	0.23354618	2.6114850	20	1 14.8	20.6
492132 2013 MK_{9}	16.7	X	169.80297	18.33734	306.29467	8.60074	0.1808333	0.22103477	2.7091247	20	1 17.3	21.1
492133 2013 MY_{10}	16.1	X	15.13319	276.84549	90.26658	10.77074	0.0879805	0.17515888	3.1635979	20	11 24.8	20.3
492134 2013 ME_{11}	16.3	X	70.37817	190.45736	102.79278	12.24057	0.0941852	0.17087663	3.2162338	20	11 7.7	21.1
492135 2013 NV_{5}	17.2	X	191.86779	341.97405	296.49112	3.00816	0.0667345	0.21443939	2.7643923	20	—	—
492136 2013 NE_{6}	17.6	X	226.19113	122.63787	152.01393	5.74922	0.1754045	0.22865725	2.6485778	20	1 4.4	22.0
492137 2013 NU_{8}	16.4	X	41.80757	86.29360	268.22296	7.01087	0.0402912	0.18242854	3.0789847	20	12 7.5	20.5
492138 2013 NJ_{9}	16.4	X	38.20317	218.16555	133.95188	8.81620	0.1769957	0.17516225	3.1635573	20	12 18.1	20.8
492139 2013 NK_{18}	18.4	X	12.17416	344.88283	307.90931	2.81725	0.1570271	0.28775648	2.2722318	20	9 9.8	20.3
492140 2013 NU_{19}	17.2	X	121.85548	146.34363	130.47854	11.83580	0.1333840	0.18392443	3.0622673	20	12 12.8	22.2
492141 2013 ND_{20}	16.6	X	215.48180	340.90770	197.79364	10.84756	0.0974696	0.17999325	3.1066947	20	11 18.6	21.2
492142 2013 NR_{23}	18.4	X	50.65724	356.53656	228.64994	6.09496	0.1398141	0.27876077	2.3208564	20	7 29.4	21.1
492143 2013 OE	17.5	X	48.03498	220.21151	230.04638	9.78956	0.5095692	0.34002868	2.0329453	20	—	—
492144 2013 OP_{1}	16.5	X	75.19745	71.89535	261.11391	8.35118	0.0904968	0.17702711	3.1413008	20	12 25.8	21.2
492145 2013 OS_{2}	16.9	X	178.87848	190.49150	107.65473	23.03632	0.1806065	0.21358001	2.7718027	20	—	—
492146 2013 OA_{6}	16.2	X	89.37070	86.31795	243.57787	7.91985	0.1355129	0.18507979	3.0495099	20	—	—
492147 2013 OB_{6}	16.0	X	341.48973	292.12478	109.69028	10.28193	0.0700294	0.17395862	3.1781331	20	11 19.7	20.2
492148 2013 OK_{6}	16.3	X	122.36396	106.67448	182.56000	10.59659	0.0524985	0.18005627	3.1059697	20	12 22.2	21.1
492149 2013 OA_{10}	16.3	X	227.99884	126.09175	148.72758	19.27003	0.2356215	0.22478159	2.6789353	20	1 5.8	21.2
492150 2013 PY_{7}	17.1	X	310.84473	105.76706	205.53618	13.49771	0.1104387	0.26215933	2.4178304	20	6 3.6	20.0
492151 2013 PF_{8}	16.6	X	174.48854	307.23620	292.46328	11.86896	0.1303368	0.18439059	3.0571040	20	12 16.2	21.6
492152 2013 PG_{8}	16.6	X	276.27081	306.79493	202.20737	8.97337	0.0575170	0.18394313	3.0620598	20	12 30.5	20.8
492153 2013 PO_{8}	16.9	X	278.09301	261.83700	229.44587	7.70722	0.0512278	0.17644496	3.1482065	20	12 11.1	21.2
492154 2013 PZ_{8}	16.8	X	205.18482	272.88069	285.28391	10.44151	0.0852875	0.17706144	3.1408948	20	11 29.3	21.5
492155 2013 PR_{14}	16.4	X	178.67419	315.91456	242.97831	6.84119	0.0604195	0.16901296	3.2398336	20	11 2.7	21.3
492156 2013 PM_{15}	16.4	X	12.98859	47.43500	321.64825	9.95118	0.0373146	0.16824852	3.2496397	20	11 12.2	21.1
492157 2013 PL_{19}	15.9	X	80.73693	352.17423	316.24104	14.28638	0.2525712	0.17448623	3.1717232	20	12 19.1	21.2
492158 2013 PH_{21}	17.6	X	64.35771	299.46945	190.01658	3.37444	0.0419402	0.22983558	2.6395175	20	3 21.6	21.0
492159 2013 PB_{24}	16.8	X	30.32329	185.28432	202.54124	1.84745	0.0596729	0.17403780	3.1771691	20	—	—
492160 2013 PP_{26}	17.1	X	185.04146	182.26469	148.24621	11.95839	0.3053930	0.22126595	2.7072373	20	2 8.5	22.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492161 2013 PN_{28}	16.8	X	72.14631	163.75742	171.65407	10.42825	0.1866203	0.17271929	3.1933179	20	—	—
492162 2013 PO_{28}	18.5	X	339.21293	122.16107	188.52061	1.98277	0.2195602	0.27513031	2.3412282	20	7 23.1	19.7
492163 2013 PA_{38}	16.2	X	155.69473	157.13571	162.49595	13.16490	0.1032460	0.20488091	2.8497169	20	—	—
492164 2013 PZ_{42}	16.6	X	133.87541	145.78602	184.57843	10.15343	0.0653441	0.19913818	2.9042435	20	—	—
492165 2013 PY_{44}	16.4	X	127.68950	311.62296	296.08453	14.10644	0.0709207	0.17091458	3.2157576	20	11 3.9	21.6
492166 2013 PL_{45}	17.0	X	161.75341	159.49453	246.71149	6.02691	0.0925448	0.24104927	2.5570085	20	4 8.2	20.9
492167 2013 PP_{45}	16.0	X	118.31426	2.59704	289.47519	10.59473	0.0486816	0.18254893	3.0776308	20	12 21.9	20.6
492168 2013 PB_{48}	16.1	X	154.21305	204.08882	48.01721	0.45969	0.1296861	0.17777210	3.1325185	20	12 10.7	21.1
492169 2013 PT_{52}	15.9	X	214.52275	344.75125	254.44345	14.23374	0.0966453	0.20488171	2.8497095	20	—	—
492170 2013 PV_{52}	18.8	X	228.47162	212.85444	169.56275	22.60121	0.0726121	0.39806456	1.8302077	20	5 27.7	21.4
492171 2013 PU_{56}	16.5	X	61.43813	172.61323	172.18323	14.95729	0.1025424	0.17772296	3.1330959	20	12 26.3	21.3
492172 2013 PA_{58}	18.3	X	315.35754	84.09439	249.55286	5.66837	0.1492015	0.27699680	2.3306991	20	7 10.7	20.3
492173 2013 PM_{58}	15.9	X	21.46634	182.97913	200.69578	10.19951	0.0731046	0.17886530	3.1197418	20	12 20.5	20.3
492174 2013 PN_{69}	16.0	X	193.85145	18.03672	275.62273	8.42463	0.2360069	0.21217455	2.7840296	20	1 3.4	20.7
492175 2013 PG_{74}	16.9	X	199.61644	130.92359	163.06436	20.70513	0.2409276	0.21362835	2.7713846	20	1 7.7	22.1
492176 2013 QK_{8}	16.7	X	54.19419	152.28459	201.34023	8.90080	0.0738666	0.17457721	3.1706211	20	12 23.6	21.3
492177 2013 QT_{12}	17.0	X	194.81389	98.52647	173.84928	16.02081	0.0701589	0.19833921	2.9120378	20	—	—
492178 2013 QL_{14}	17.4	X	147.23623	111.23633	173.47413	11.48552	0.2045917	0.18839035	3.0136787	20	—	—
492179 2013 QN_{15}	18.8	X	172.02878	42.21981	30.37588	20.40891	0.1098683	0.38563384	1.8693299	20	5 19.2	21.3
492180 2013 QN_{19}	16.9	X	84.90105	327.93902	349.75629	9.01061	0.1329914	0.17515598	3.1636329	20	12 22.4	21.9
492181 2013 QT_{40}	16.1	X	136.48447	275.52734	332.69479	23.96403	0.2287496	0.17483811	3.1674661	20	11 14.0	22.0
492182 2013 QW_{40}	16.2	X	90.71839	142.95776	168.48084	12.94557	0.1456304	0.17479817	3.1679486	20	12 21.9	21.4
492183 2013 QR_{69}	17.0	X	192.24476	173.90539	116.48657	9.03180	0.2391394	0.21458562	2.7631363	20	—	—
492184 2013 QZ_{69}	16.2	X	164.19403	149.68829	171.09011	13.09395	0.0457198	0.20994506	2.8037048	20	—	—
492185 2013 QK_{70}	16.2	X	168.19226	90.13723	239.70979	12.73944	0.2167587	0.20970392	2.8058536	20	1 21.3	21.2
492186 2013 QC_{79}	16.3	X	100.29533	125.76710	162.52401	17.38217	0.1321863	0.17110535	3.2133669	20	12 4.9	21.6
492187 2013 QU_{79}	16.5	X	81.67740	339.48004	341.87599	10.66620	0.0698458	0.17244451	3.1967092	20	12 15.8	21.4
492188 2013 RK_{14}	16.4	X	138.33620	13.64256	281.63503	2.31848	0.0718873	0.18604592	3.0389434	20	—	—
492189 2013 RS_{28}	16.3	X	145.55565	86.87449	186.46296	13.92953	0.2555272	0.17731644	3.1378827	20	12 26.0	22.1
492190 2013 RO_{29}	16.0	X	114.61198	6.47084	40.07663	8.91177	0.1045682	0.20916022	2.8107140	20	2 25.9	20.0
492191 2013 RR_{29}	17.2	X	196.06587	145.96271	169.96798	15.64088	0.3168870	0.21759795	2.7375760	20	1 29.2	22.5
492192 2013 RT_{29}	17.4	X	305.19895	274.53088	50.42201	2.81570	0.2188062	0.26207348	2.4183584	20	5 25.9	19.9
492193 2013 RT_{32}	16.1	X	166.78509	175.91990	155.34879	22.20492	0.1885337	0.21032641	2.8003148	20	1 22.7	20.9
492194 2013 RQ_{34}	16.3	X	164.70342	124.05040	165.82609	22.88482	0.1443806	0.18392748	3.0622335	20	—	—
492195 2013 RZ_{35}	17.5	X	224.75500	260.59370	99.24469	5.35375	0.2426125	0.23734739	2.5835274	20	4 12.9	21.9
492196 2013 RJ_{39}	17.3	X	200.14477	188.52844	174.52282	2.19702	0.1088960	0.22992568	2.6388279	20	3 28.2	21.3
492197 2013 RR_{42}	16.2	X	141.33760	289.04342	46.03312	2.57884	0.0765540	0.19976639	2.8981516	20	—	—
492198 2013 RW_{59}	16.6	X	164.85032	69.96699	194.42618	9.60713	0.1114205	0.18218794	3.0816948	20	—	—
492199 2013 RZ_{64}	17.3	X	278.96133	130.78495	216.00708	13.91348	0.1613950	0.25723982	2.4485590	20	5 28.1	20.5
492200 2013 RA_{65}	16.0	X	138.50602	35.09565	267.63121	9.46911	0.0842804	0.18139657	3.0906513	20	—	—
492201 2013 RB_{78}	16.8	X	140.11753	273.95650	355.44012	9.46986	0.1963013	0.17917472	3.1161491	20	12 18.3	22.2
492202 2013 RF_{83}	16.2	X	54.55714	115.05073	225.64135	9.11059	0.0654256	0.16063021	3.3515926	20	12 5.2	21.0
492203 2013 RA_{94}	18.2	X	228.31633	22.90249	340.89702	2.84121	0.2350313	0.23966033	2.5668783	20	4 17.4	22.6
492204 2013 SD	15.9	X	187.73863	317.17233	36.62797	26.03584	0.1326829	0.21458390	2.7631511	20	3 20.1	20.7
492205 2013 SB_{15}	17.9	X	316.30035	340.56354	328.16283	0.64318	0.1895546	0.26063482	2.4272495	20	5 26.9	20.2
492206 2013 SL_{16}	18.4	X	263.46647	60.21135	295.64273	1.49103	0.2352631	0.25458494	2.4655525	20	5 9.9	22.1
492207 2013 SP_{22}	15.8	X	95.15116	123.26092	235.73528	25.80445	0.1895843	0.18138509	3.0907817	20	—	—
492208 2013 SA_{25}	18.0	X	163.12144	82.28515	339.00226	13.46060	0.3709579	0.22158528	2.7046357	20	5 6.1	23.4
492209 2013 SJ_{26}	16.2	X	97.07787	136.72870	192.40291	26.90673	0.2521643	0.17569017	3.1572168	20	—	—
492210 2013 SP_{27}	16.0	X	132.22714	293.34842	359.42547	15.88611	0.2185490	0.17627667	3.1502099	20	—	—
492211 2013 SO_{29}	16.7	X	171.80032	96.65380	273.46074	4.71598	0.0728002	0.21592010	2.7517396	20	3 5.1	20.8
492212 2013 SM_{36}	16.8	X	156.70009	277.14803	357.91443	6.30383	0.2101241	0.18689129	3.0297725	20	—	—
492213 2013 ST_{43}	17.4	X	224.68593	302.60795	53.40377	12.82887	0.2063667	0.23605226	2.5929687	20	4 11.9	21.8
492214 2013 SN_{44}	17.5	X	230.73307	166.43296	189.60881	12.52048	0.1685698	0.23946453	2.5682773	20	4 16.2	21.5
492215 2013 SY_{52}	16.2	X	121.22245	265.59657	37.67573	15.18624	0.2397998	0.17862262	3.1225669	20	—	—
492216 2013 SM_{74}	17.6	X	151.38680	224.21344	183.40276	2.09279	0.0844130	0.22618600	2.6678346	20	4 1.1	21.2
492217 2013 SS_{80}	16.2	X	109.07412	119.39079	197.59708	17.42950	0.0523198	0.17241583	3.1970637	20	—	—
492218 2013 SM_{85}	17.7	X	263.86791	16.20800	340.58229	2.05667	0.2107612	0.25483195	2.4639590	20	5 14.4	21.2
492219 2013 TT_{9}	15.5	X	56.13896	29.04298	338.48512	11.41361	0.0443767	0.17410981	3.1762930	20	—	—
492220 2013 TP_{12}	17.7	X	234.23818	311.28562	50.20631	8.34608	0.2111840	0.24010438	2.5637125	20	4 23.5	21.8
492221 2013 TJ_{20}	18.7	X	299.66757	357.64782	61.87139	1.00762	0.1958061	0.28473257	2.2882912	20	10 25.5	20.2
492222 2013 TZ_{29}	17.4	X	272.53314	145.66073	168.52344	2.26464	0.1716661	0.23505391	2.6003057	20	4 5.4	21.1
492223 2013 TU_{37}	16.0	X	29.05486	56.34853	12.13401	16.97959	0.2001989	0.17445292	3.1721269	20	—	—
492224 2013 TC_{41}	18.1	X	264.30197	66.33556	0.00719	0.98812	0.1672541	0.26997149	2.3709594	20	8 29.2	20.6
492225 2013 TW_{41}	16.0	X	135.70941	275.95979	27.87337	13.25166	0.1348449	0.17682977	3.1436375	20	—	—
492226 2013 TF_{42}	15.8	X	58.65812	217.65551	115.09963	11.31818	0.1410188	0.15614805	3.4154270	20	12 10.7	20.8
492227 2013 TJ_{42}	18.1	X	126.32877	64.98479	32.72822	25.94673	0.1249198	0.37086827	1.9186228	20	5 2.7	20.2
492228 2013 TC_{44}	16.0	X	126.92037	295.89487	18.31651	12.61022	0.1745781	0.17987685	3.1080347	20	—	—
492229 2013 TK_{60}	16.9	X	177.80393	75.59171	251.93080	6.20659	0.3697452	0.21178569	2.7874365	20	2 1.7	22.2
492230 2013 TD_{68}	15.9	X	38.35051	70.37222	305.91500	9.42553	0.0857841	0.17417140	3.1755441	20	—	—
492231 2013 TK_{72}	17.3	X	198.08437	37.99828	308.78194	1.46496	0.0829398	0.21674288	2.7447712	20	3 6.4	21.4
492232 2013 TA_{73}	16.3	X	108.49185	135.28964	194.73305	10.18756	0.2196556	0.17738486	3.1370758	20	—	—
492233 2013 TM_{79}	16.5	X	108.38421	67.28688	251.38061	2.02731	0.1603562	0.17943882	3.1130907	20	—	—
492234 2013 TP_{83}	17.3	X	182.43043	76.25517	284.23856	3.12254	0.0880391	0.21445614	2.7642484	20	3 6.2	21.5
492235 2013 TA_{89}	17.9	X	289.50982	73.87451	337.84816	2.89451	0.1889161	0.27437629	2.3455156	20	9 16.4	20.1
492236 2013 TD_{93}	18.9	X	315.09107	258.03796	186.91775	3.17980	0.2025522	0.29478413	2.2359735	20	—	—
492237 2013 TC_{97}	17.4	X	203.70556	161.63862	208.00757	13.47774	0.2560958	0.22831935	2.6511903	20	4 5.2	22.1
492238 2013 TN_{101}	16.9	X	178.92336	12.59741	349.02020	4.65284	0.1697912	0.21152172	2.7897550	20	3 8.5	21.5
492239 2013 TQ_{114}	18.2	X	215.12275	111.04530	21.54530	4.90701	0.1767682	0.26757128	2.3851172	20	9 26.1	21.7
492240 2013 TT_{114}	19.1	X	5.03438	337.34594	61.66046	1.27536	0.2050885	0.30262476	2.1971839	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492241 2013 TA_{125}	16.4	X	50.68819	131.88112	290.87856	6.06083	0.1315577	0.18011478	3.1052970	20	—	—
492242 2013 TC_{133}	13.3	X	140.77241	18.05265	80.50687	9.88101	0.0522289	0.08207541	5.2439759	20	5 24.3	20.4
492243 2013 TL_{133}	16.0	X	125.35426	281.23796	355.55726	15.69026	0.2181408	0.17258450	3.1949803	20	12 13.9	21.7
492244 2013 TV_{133}	16.7	X	11.43449	301.02512	148.15879	1.21819	0.1633022	0.17496799	3.1658985	20	—	—
492245 2013 TB_{137}	15.8	X	137.06617	261.58881	28.19258	16.16352	0.2397173	0.17927392	3.1149994	20	—	—
492246 2013 TL_{137}	16.3	X	105.26541	107.65615	204.92423	25.71320	0.1799244	0.17864012	3.1223629	20	—	—
492247 2013 TQ_{140}	17.5	X	181.22058	311.50407	53.34142	2.76499	0.0922799	0.21897583	2.7260800	20	3 12.9	21.5
492248 2013 TQ_{144}	16.6	X	27.39313	14.05882	58.15063	8.21626	0.1607491	0.17480416	3.1678762	20	—	—
492249 2013 UD_{5}	18.5	X	123.12969	79.58889	42.72188	22.54483	0.0838368	0.38265392	1.8790223	20	5 30.4	20.7
492250 2013 UE_{6}	17.2	X	137.45750	337.85060	44.97915	7.47636	0.1638947	0.20334117	2.8640846	20	2 28.8	21.7
492251 2013 UH_{6}	17.2	X	243.11370	307.96987	22.51176	4.29931	0.1562816	0.23102514	2.6304490	20	3 28.1	21.3
492252 2013 UQ_{10}	18.5	X	182.33684	24.45106	47.44295	26.31880	0.1217825	0.38429526	1.8736682	20	5 30.8	21.1
492253 2013 VM_{14}	16.4	X	176.11120	136.30910	239.05815	22.87210	0.1521768	0.21147604	2.7901567	20	3 13.9	21.4
492254 2013 VK_{20}	18.3	X	306.95205	4.75546	45.47456	2.22386	0.1712511	0.27795088	2.3253626	20	10 27.1	20.1
492255 2013 VN_{20}	18.1	X	263.34470	21.34912	33.53155	1.76328	0.2541028	0.26184021	2.4197945	20	7 27.7	21.3
492256 2013 WW_{28}	17.5	X	91.14052	52.30989	53.99915	1.92813	0.1939089	0.20222195	2.8746426	20	4 21.9	21.3
492257 2013 WH_{30}	18.2	X	276.24532	173.54787	235.40844	0.88011	0.1701510	0.26291452	2.4131983	20	8 20.3	20.7
492258 2013 WO_{35}	18.5	X	297.60271	21.26580	66.03813	4.67298	0.1751070	0.28400358	2.2922052	20	12 6.9	20.2
492259 2013 WH_{36}	18.2	X	335.85698	98.61148	292.89344	4.45302	0.1800193	0.28239262	2.3009145	20	12 4.1	20.1
492260 2013 WC_{47}	15.7	X	102.68464	155.51374	233.86715	12.31746	0.1159646	0.18534752	3.0465726	20	1 18.8	20.2
492261 2013 WF_{55}	17.5	X	226.25571	72.35037	49.45621	11.94354	0.1962859	0.26770586	2.3843178	20	9 26.9	21.1
492262 2013 WP_{56}	16.2	X	146.01196	310.35317	49.83784	10.72446	0.1502299	0.19158351	2.9800986	20	2 10.9	21.0
492263 2013 WJ_{67}	18.1	X	132.44882	230.92508	260.86020	17.26266	0.0897942	0.38315359	1.8773884	20	7 2.4	20.1
492264 2013 WT_{76}	18.4	X	254.12299	247.94307	218.40677	1.50721	0.1619655	0.27062944	2.3671150	20	10 11.0	21.0
492265 2013 WV_{80}	17.3	X	171.80784	181.63073	241.69212	8.61905	0.2518246	0.22160037	2.7045129	20	5 16.9	22.1
492266 2013 WH_{83}	18.9	X	27.58546	159.07457	214.77878	5.78962	0.2327260	0.29925621	2.2136414	20	—	—
492267 2013 WA_{86}	16.4	X	96.16781	246.41727	245.12940	10.98762	0.1154017	0.21202580	2.7853316	20	5 18.7	20.3
492268 2013 WC_{106}	16.1	X	67.76564	171.38531	240.18446	9.93568	0.2186026	0.17774429	3.1328452	20	1 15.1	19.9
492269 2013 WH_{106}	17.3	X	289.88643	190.82786	221.13237	9.64213	0.1933648	0.26899605	2.3766877	20	9 11.9	19.7
492270 2013 WC_{109}	17.1	X	164.60982	109.11677	348.38348	9.75704	0.2028606	0.23223480	2.6213068	20	6 21.9	21.6
492271 2013 XF	17.1	X	142.12918	154.77998	285.90497	6.81696	0.1795748	0.21649109	2.7468991	20	5 8.9	21.6
492272 2013 XO_{5}	18.5	X	175.00697	137.78927	331.88153	5.16335	0.2520242	0.23720695	2.5845470	20	7 16.4	23.1
492273 2013 XC_{8}	17.9	X	291.54528	175.07342	271.19746	3.93451	0.2103772	0.27440145	2.3453722	20	11 12.5	19.6
492274 2013 XZ_{12}	17.8	X	91.34937	229.25848	281.51406	18.53015	0.0894059	0.36330766	1.9451496	20	6 4.6	19.9
492275 2013 XP_{15}	18.6	X	330.43843	34.48952	4.54369	0.25050	0.1774664	0.28094877	2.3087910	20	12 3.8	20.3
492276 2013 XO_{17}	17.8	X	165.99323	339.90253	120.30530	3.02057	0.1669442	0.22306494	2.6926620	20	6 25.6	22.2
492277 2013 XB_{18}	17.0	X	239.52476	180.51802	216.13361	4.04183	0.3300937	0.24147839	2.5539783	20	5 31.8	21.3
492278 2013 XE_{18}	17.7	X	318.81390	194.91551	228.56359	4.82246	0.2066729	0.27926119	2.3180831	20	12 18.4	19.1
492279 2013 XX_{18}	17.9	X	90.61144	275.72469	264.89085	19.14454	0.0341382	0.38602110	1.8680795	20	7 10.2	19.7
492280 2013 XP_{24}	18.3	X	195.37917	130.34941	295.98457	19.93604	0.0542325	0.38009916	1.8874325	20	6 19.2	20.5
492281 2013 YQ_{12}	18.4	X	332.90360	153.73861	282.57621	4.87193	0.1363269	0.29295517	2.2452701	20	—	—
492282 2013 YS_{12}	16.4	X	283.36267	191.40924	265.85023	1.64341	0.2208376	0.12594590	3.9416678	20	10 4.2	21.7
492283 2013 YG_{17}	17.4	X	241.46252	229.08282	167.57897	2.23729	0.2422467	0.23388463	2.6089650	20	6 9.8	21.7
492284 2013 YV_{20}	17.9	X	285.44262	61.55611	289.40100	18.61126	0.0688611	0.38330505	1.8768938	20	7 5.0	19.2
492285 2013 YA_{21}	17.4	X	249.22548	164.43768	271.06787	5.91722	0.1195069	0.24512814	2.5285639	20	8 22.5	20.8
492286 2013 YZ_{21}	16.3	X	113.07903	126.03391	251.25044	9.59276	0.0607096	0.18317949	3.0705640	20	1 11.3	20.8
492287 2013 YG_{47}	17.3	X	175.04343	279.32840	116.71318	24.49583	0.1496669	0.35175520	1.9875087	20	4 20.9	20.7
492288 2013 YP_{49}	17.6	X	218.60446	119.10341	270.57517	3.78132	0.1717792	0.21926440	2.7236877	20	5 15.4	22.0
492289 2013 YR_{76}	17.7	X	243.07087	35.25187	11.05450	2.92179	0.1727735	0.23745662	2.5827351	20	7 1.6	21.4
492290 2013 YV_{93}	16.9	X	77.94575	88.29537	96.03270	6.18623	0.0928846	0.21236411	2.7823727	20	7 1.2	20.5
492291 2013 YE_{96}	17.2	X	184.66291	117.41587	289.36653	0.90538	0.0963168	0.20615885	2.8379281	20	5 6.6	21.5
492292 2013 YA_{103}	17.9	X	170.59123	138.18115	296.77931	0.29843	0.1571834	0.22388200	2.6861067	20	5 28.8	22.3
492293 2013 YR_{109}	16.8	X	74.94212	268.22425	175.64392	1.53938	0.1876118	0.17745580	3.1362398	20	3 3.9	20.7
492294 2013 YX_{117}	19.1	X	47.48940	132.47803	261.02734	4.55107	0.1609817	0.30440148	2.1886259	20	—	—
492295 2013 YY_{123}	16.6	X	110.71236	94.77171	331.81268	7.62267	0.1235805	0.18027471	3.1034602	20	3 16.1	21.1
492296 2013 YX_{128}	17.5	X	73.41793	179.39773	64.90381	7.33579	0.0678944	0.24247333	2.5469871	20	9 17.8	21.0
492297 2013 YJ_{148}	16.9	X	227.78507	178.59554	254.68157	4.31188	0.3038774	0.23837446	2.5761011	20	7 8.3	21.4
492298 2014 AP_{9}	18.3	X	331.69253	2.44660	85.04902	6.12979	0.0928507	0.29757869	2.2219528	20	—	—
492299 2014 AU_{10}	17.6	X	230.07132	257.55039	180.30159	4.91954	0.2589108	0.24232782	2.5480065	20	7 19.4	21.9
492300 2014 AV_{10}	16.4	X	294.88304	13.06389	260.02623	8.83563	0.0458387	0.19000858	2.9965434	20	3 27.7	20.7
492301 2014 AY_{15}	17.4	X	135.73331	211.16060	247.11815	19.32834	0.0874109	0.36733883	1.9308928	20	5 16.0	19.5
492302 2014 AC_{17}	17.6	X	104.37380	41.54397	75.58346	28.99688	0.1717070	0.34947959	1.9961270	20	5 21.5	20.1
492303 2014 AY_{18}	18.8	X	337.86144	318.81117	107.35831	5.57800	0.1740555	0.28417000	2.2913102	20	—	—
492304 2014 AU_{39}	18.1	X	207.00564	297.86192	115.69844	24.23034	0.0777790	0.36957181	1.9231072	20	6 15.8	20.6
492305 2014 AO_{46}	18.0	X	149.51378	25.52679	93.52491	24.80571	0.0455840	0.37479251	1.9052068	20	7 4.2	19.8
492306 2014 AK_{48}	17.1	X	221.77451	80.14602	307.47130	2.51493	0.1038865	0.21413834	2.7669826	20	5 20.7	21.4
492307 2014 AL_{52}	18.0	X	332.15623	173.79733	252.16451	6.34780	0.2397063	0.28314158	2.2968552	20	—	—
492308 2014 BB	18.1	X	239.74651	321.57325	70.66960	23.10959	0.1124814	0.38239659	1.8798652	20	6 16.9	20.1
492309 2014 BC_{6}	17.0	X	136.97417	94.50611	316.04140	3.80943	0.2660340	0.19143372	2.9816529	20	4 5.1	22.1
492310 2014 BR_{7}	17.1	X	17.20975	196.01712	22.16595	2.16263	0.0333887	0.19673378	2.9278586	20	5 13.1	20.8
492311 2014 BQ_{12}	17.2	X	219.95611	333.14502	106.50514	4.51068	0.2158071	0.23339046	2.6126465	20	7 16.8	21.4
492312 2014 BJ_{13}	16.5	X	155.01388	71.74707	322.25532	8.88498	0.1106562	0.18388137	3.0627454	20	3 20.5	21.4
492313 2014 BP_{16}	17.6	X	120.29253	115.33038	28.68817	3.08369	0.1333788	0.21527828	2.7572062	20	7 4.8	21.7
492314 2014 BS_{20}	16.8	X	79.24606	120.55937	6.20633	1.56846	0.1326690	0.18575220	3.0421462	20	4 23.9	20.8
492315 2014 BX_{23}	16.7	X	95.06633	42.88383	15.77591	17.87378	0.1843148	0.17656307	3.1468023	20	3 5.8	21.3
492316 2014 BB_{25}	18.3	X	223.00875	266.73282	124.75165	23.10256	0.1537941	0.36970440	1.9226473	20	5 30.4	21.4
492317 2014 BE_{26}	16.3	X	60.15235	223.66202	231.68717	1.26941	0.1064329	0.17191536	3.2032654	20	2 15.4	20.4
492318 2014 BW_{26}	16.1	X	323.11309	266.33926	158.15376	3.35861	0.1968629	0.12476874	3.9664215	20	11 1.2	20.6
492319 2014 BD_{28}	16.8	X	97.29139	191.98079	253.11083	3.71780	0.1330943	0.18609914	3.0383640	20	3 23.9	21.0
492320 2014 BF_{47}	18.0	X	173.46390	114.08815	329.33775	19.31139	0.1074025	0.37408603	1.9076047	20	6 13.0	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492321 2014 BC_{53}	17.6	X	240.30930	325.24517	72.24057	3.26543	0.1067265	0.23048508	2.6345564	20	6 24.2	21.3
492322 2014 CW_{7}	17.2	X	359.17047	147.44717	122.89028	5.33125	0.0221161	0.21156270	2.7893947	20	6 26.9	20.9
492323 2014 CC_{13}	17.9	X	180.64876	263.03734	165.96078	23.39353	0.0838207	0.36533371	1.9379514	20	6 3.7	20.9
492324 2014 DO_{2}	18.3	X	44.11270	103.35489	153.64369	21.76693	0.0737348	0.38009445	1.8874482	20	9 13.9	19.9
492325 2014 DA_{3}	18.0	X	343.58273	319.82694	334.50535	19.48248	0.0475987	0.37040507	1.9202220	20	7 26.3	19.8
492326 2014 DD_{6}	17.9	X	171.16468	108.48924	317.89545	17.21579	0.1184404	0.35657157	1.9695707	20	5 8.5	21.0
492327 2014 DJ_{17}	17.4	X	352.52205	122.99729	152.54446	23.70813	0.0888196	0.35650219	1.9698262	20	7 3.4	19.5
492328 2014 DA_{18}	17.7	X	94.75379	5.63420	176.72629	21.57489	0.0653981	0.36827378	1.9276234	20	7 24.5	20.3
492329 2014 DD_{18}	17.7	X	81.13475	179.32237	0.03304	18.15570	0.0535787	0.35891204	1.9609990	20	7 1.2	20.2
492330 2014 DA_{22}	18.6	X	318.07064	168.64452	175.74774	24.40205	0.1321843	0.38384238	1.8751417	20	8 22.7	19.7
492331 2014 DQ_{24}	16.9	X	75.68511	39.06291	77.43830	2.41801	0.1306560	0.17857258	3.1231502	20	4 7.7	21.1
492332 2014 DD_{31}	16.4	X	158.67822	150.86778	281.82565	6.64498	0.0858373	0.19581010	2.9370589	20	5 10.4	21.0
492333 2014 DL_{56}	13.9	X	259.30934	66.23748	31.36695	8.87751	0.0607235	0.08232661	5.2333030	20	9 24.8	20.9
492334 2014 EQ_{5}	13.9	X	290.29343	71.98193	349.85286	14.34629	0.0677154	0.08448289	5.1438725	20	9 16.3	20.6
492335 2014 EB_{10}	17.5	X	234.86377	299.85775	120.71922	5.96063	0.1399027	0.22248855	2.6973105	20	7 14.0	21.4
492336 2014 EX_{16}	14.2	X	214.89854	70.47714	70.75146	3.68681	0.0763238	0.08326341	5.1939758	20	9 24.5	21.3
492337 2014 EA_{50}	18.2	X	168.82161	320.62473	163.03164	21.70057	0.0590311	0.37496424	1.9046250	20	8 7.7	20.6
492338 2014 FW	9.9	X	7.07204	115.14124	98.24070	12.67579	0.6337512	0.00619122	29.3732402	20	6 3.6	20.5
492339 2014 FO_{33}	18.5	X	335.55917	126.60858	189.43628	22.14833	0.0597854	0.36603017	1.9354923	20	8 4.5	20.7
492340 2014 FL_{43}	16.7	X	121.51213	212.43164	35.73181	12.24287	0.1450519	0.22448104	2.6813260	20	11 13.0	21.0
492341 2014 GP_{28}	16.8	X	11.80640	157.33082	86.75962	2.61507	0.1512603	0.17605260	3.1528822	20	6 14.6	20.3
492342 2014 GS_{44}	18.0	X	259.14623	180.85370	187.58467	22.08635	0.0940772	0.35222637	1.9857358	20	6 12.5	20.8
492343 2014 GW_{46}	18.4	X	114.73172	326.38858	204.82532	21.86103	0.0606455	0.35623393	1.9708150	20	7 30.5	21.3
492344 2014 GE_{50}	17.9	X	264.70948	166.26528	89.16291	4.14237	0.2877047	0.27932956	2.3177048	20	1 2.1	21.7
492345 2014 HM_{7}	17.1	X	114.40234	214.55888	61.80989	8.60676	0.1802297	0.23322135	2.6139093	20	12 13.9	21.4
492346 2014 HW_{7}	17.1	X	28.06172	211.58121	88.07505	4.09424	0.0268414	0.21265852	2.7798041	20	9 18.1	20.8
492347 2014 HT_{8}	18.4	X	189.46910	49.38773	180.07131	4.71597	0.2289237	0.25128731	2.4870758	20	12 22.4	22.4
492348 2014 HS_{12}	16.8	X	253.00624	242.46594	208.77099	10.48531	0.1551242	0.22676645	2.6632801	20	9 9.7	20.5
492349 2014 HE_{13}	16.7	X	271.18885	32.91215	44.08147	13.63133	0.1229176	0.22512521	2.6762086	20	9 30.2	20.2
492350 2014 HX_{13}	17.1	X	36.55832	44.55441	190.87118	1.96442	0.1897974	0.18505485	3.0497839	20	7 22.4	20.6
492351 2014 HT_{15}	17.1	X	51.62978	161.81143	43.11574	0.80741	0.0795667	0.18192040	3.0847155	20	6 18.9	21.2
492352 2014 HQ_{16}	17.3	X	255.65634	63.52522	25.66020	3.26899	0.0730286	0.22560285	2.6724300	20	9 26.8	20.9
492353 2014 HV_{19}	18.2	X	267.73607	23.41349	244.59153	1.51720	0.1177988	0.30201009	2.2001641	20	1 29.6	21.2
492354 2014 HX_{23}	17.1	X	156.48404	324.70149	229.96284	6.90289	0.1208084	0.22544400	2.6736851	20	10 11.8	21.3
492355 2014 HT_{26}	17.4	X	23.53561	273.28369	34.95582	7.13205	0.0277686	0.21571179	2.7535109	20	9 24.2	21.0
492356 2014 HC_{27}	17.2	X	123.44951	226.26890	38.25931	2.96549	0.1606063	0.23558316	2.5964097	20	12 7.7	21.3
492357 2014 HM_{27}	17.0	X	303.42317	237.10847	66.52098	3.17300	0.1326275	0.17260115	3.1947749	20	5 9.9	21.3
492358 2014 HF_{28}	17.9	X	152.25294	44.65206	191.24488	8.00386	0.1259077	0.23892894	2.5721140	20	12 1.5	22.0
492359 2014 HL_{33}	16.6	X	71.67690	201.35039	72.15533	10.14240	0.1153085	0.21556609	2.7547515	20	10 25.6	20.6
492360 2014 HS_{40}	16.3	X	7.20690	234.25371	77.65222	8.21143	0.0517157	0.20459625	2.8523595	20	9 8.5	20.1
492361 2014 HA_{44}	17.9	X	58.11869	330.79846	81.95188	6.40389	0.1437819	0.27892893	2.3199236	20	—	—
492362 2014 HB_{47}	16.7	X	64.89862	84.34928	76.78131	6.23113	0.0903316	0.17188279	3.2036701	20	5 14.1	20.9
492363 2014 HK_{47}	16.8	X	346.90715	127.41976	129.27707	4.19267	0.0900297	0.17287756	3.1913685	20	5 20.6	20.9
492364 2014 HQ_{50}	17.3	X	51.20301	117.17737	187.98847	3.77801	0.0839476	0.22314875	2.6919877	20	11 3.9	20.9
492365 2014 HF_{56}	16.9	X	345.66934	143.40881	151.49342	3.08876	0.1048314	0.18862002	3.0112318	20	7 7.7	20.6
492366 2014 HS_{60}	17.1	X	8.82976	250.87632	73.69755	4.99862	0.1033141	0.21195457	2.7859556	20	10 2.5	20.4
492367 2014 HD_{81}	16.4	X	37.21230	154.66579	56.81520	10.42938	0.0210051	0.17837656	3.1254377	20	5 30.8	20.8
492368 2014 HN_{82}	18.5	X	161.93876	129.97797	177.76379	6.67918	0.1230694	0.27035455	2.3687193	20	—	—
492369 2014 HY_{88}	16.6	X	348.05580	101.28829	186.68506	11.08984	0.1263029	0.18402012	3.0612057	20	6 30.7	20.4
492370 2014 HQ_{90}	17.1	X	308.95762	346.11977	63.37497	9.25675	0.0451805	0.22771260	2.6558977	20	10 25.9	20.5
492371 2014 HU_{91}	16.9	X	272.73449	301.28710	102.84532	5.56456	0.0671569	0.20852629	2.8164076	20	8 20.6	20.6
492372 2014 HD_{92}	17.2	X	296.22518	272.73458	122.69135	5.28873	0.0721652	0.21462090	2.7628335	20	9 12.3	20.6
492373 2014 HV_{93}	18.2	X	165.45022	198.65039	112.07281	4.42072	0.1262306	0.27223344	2.3578078	20	—	—
492374 2014 HZ_{95}	14.2	X	345.61408	329.13734	81.51822	9.58740	0.0407085	0.08283637	5.2118113	20	11 13.9	20.9
492375 2014 HQ_{114}	16.7	X	335.82318	196.59471	81.04450	9.59504	0.0411694	0.17608041	3.1525503	20	6 2.6	20.8
492376 2014 HV_{116}	16.9	X	167.14540	118.26270	66.10493	12.94476	0.1208800	0.22499273	2.6772591	20	10 16.6	21.2
492377 2014 HH_{119}	17.3	X	315.26068	240.48179	139.69207	6.97429	0.0634359	0.21331437	2.7741034	20	9 21.3	20.7
492378 2014 HM_{122}	16.2	X	224.74098	193.65085	195.02434	9.27857	0.1127324	0.18208674	3.0828365	20	5 26.5	21.0
492379 2014 HE_{137}	17.5	X	312.05614	3.46657	73.63751	2.66361	0.0497172	0.24244600	2.5471784	20	12 6.9	20.6
492380 2014 HL_{137}	17.2	X	98.05291	105.29079	82.38596	5.55182	0.0384362	0.19512729	2.9439067	20	7 23.6	21.3
492381 2014 HR_{139}	16.1	X	6.84291	207.57469	44.01378	11.40336	0.0149510	0.18060017	3.0997305	20	6 10.1	20.4
492382 2014 HQ_{140}	17.4	X	349.89037	241.86012	168.88256	1.88371	0.0704482	0.24562041	2.5251843	20	12 30.2	20.3
492383 2014 HK_{142}	16.5	X	325.60694	48.81432	257.03291	3.47828	0.0616142	0.18152656	3.0891756	20	6 23.1	20.4
492384 2014 HF_{143}	17.2	X	283.03243	14.64593	71.43484	6.89721	0.0619373	0.23271267	2.6177170	20	11 4.4	20.4
492385 2014 HA_{149}	16.8	X	322.66166	112.22095	225.93441	10.49188	0.1724999	0.18916580	3.0054370	20	7 18.9	20.5
492386 2014 HC_{158}	17.1	X	303.74318	293.76301	87.69291	5.92803	0.0685141	0.20968503	2.8060222	20	9 5.3	20.7
492387 2014 HL_{162}	16.5	X	256.89194	207.99188	162.75029	9.33728	0.0734993	0.18417782	3.0594581	20	6 13.5	21.0
492388 2014 HM_{181}	17.8	X	234.95387	182.42473	130.42215	7.75865	0.2372153	0.29378699	2.2410300	20	2 19.1	21.6
492389 2014 JW_{3}	16.5	X	220.55290	61.68409	42.45722	11.82389	0.0630426	0.21284718	2.7781612	20	9 7.1	20.6
492390 2014 JC_{5}	16.7	X	215.55304	45.26216	53.06620	2.85544	0.0237421	0.20581898	2.8410514	20	8 23.1	20.6
492391 2014 JM_{7}	18.9	X	278.97168	130.30356	168.35066	3.05394	0.2149276	0.31034342	2.1605999	20	3 11.6	22.0
492392 2014 JZ_{9}	18.6	X	298.37224	66.70315	191.16248	4.40876	0.1652653	0.30718273	2.1753953	20	2 13.5	21.2
492393 2014 JR_{11}	17.9	X	210.14193	235.84122	78.67821	7.19837	0.1227126	0.28938661	2.2636907	20	2 2.4	21.2
492394 2014 JU_{12}	18.5	X	238.29164	244.24506	87.40853	5.73309	0.2368998	0.30365009	2.1922350	20	3 17.6	22.1
492395 2014 JU_{22}	18.1	X	288.64352	40.83423	205.01155	6.21805	0.1192627	0.29577119	2.2309961	20	1 23.8	21.1
492396 2014 JV_{23}	17.6	X	146.84388	248.84083	73.17021	9.22009	0.1693722	0.26271698	2.4144077	20	—	—
492397 2014 JS_{31}	17.1	X	73.47832	354.31353	277.35463	1.63255	0.0536593	0.21593019	2.7516538	20	10 12.6	20.9
492398 2014 JU_{45}	17.7	X	183.27088	24.50799	228.96445	1.84092	0.1577053	0.25457747	2.4656007	20	—	—
492399 2014 JP_{48}	16.6	X	320.78602	235.24433	69.47462	11.14327	0.0342204	0.17952483	3.1120964	20	6 16.7	20.8
492400 2014 JR_{48}	16.8	X	357.26415	64.13746	233.93918	10.04627	0.0867775	0.19238580	2.9718077	20	7 28.4	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492401 2014 JQ_{59}	17.9	X	236.88486	201.75862	83.29924	5.72060	0.1664493	0.28780726	2.2719645	20	1 20.3	21.5
492402 2014 JL_{65}	17.8	X	216.18135	223.72396	79.92738	7.97804	0.1858404	0.28559755	2.2836685	20	1 25.6	21.5
492403 2014 JP_{70}	17.8	X	252.79903	181.55942	42.05502	10.11919	0.0711838	0.27415650	2.3467691	20	—	—
492404 2014 KQ_{4}	17.5	X	312.12301	283.10750	13.04950	4.02872	0.1550118	0.32492821	2.0954523	20	5 1.9	19.1
492405 2014 KB_{6}	16.9	X	22.10484	228.23101	68.91541	3.05398	0.0460801	0.20548323	2.8441454	20	9 7.1	20.7
492406 2014 KR_{6}	18.4	X	261.26103	67.01607	232.72704	4.14751	0.2192321	0.30537613	2.1839666	20	2 22.3	21.7
492407 2014 KU_{8}	17.9	X	219.85082	279.55003	21.18536	4.60338	0.2596325	0.28204870	2.3027846	20	1 25.2	21.9
492408 2014 KC_{12}	18.9	X	330.91149	21.77332	169.92906	2.00327	0.1044889	0.29541061	2.2328111	20	1 9.7	21.4
492409 2014 KM_{12}	17.5	X	157.44001	258.65588	68.55087	7.03563	0.1257126	0.26755473	2.3852155	20	—	—
492410 2014 KN_{40}	18.3	X	268.42871	280.13270	31.00898	6.95908	0.2622646	0.30923021	2.1657822	20	3 15.1	21.5
492411 2014 KO_{56}	18.2	X	218.03986	184.83357	124.82013	7.21580	0.1225877	0.28671309	2.2777411	20	2 2.8	21.4
492412 2014 KU_{57}	18.0	X	211.06097	173.64048	121.32618	8.00633	0.1146188	0.27712323	2.3299902	20	1 9.1	21.5
492413 2014 KO_{80}	17.8	X	207.04244	246.11213	53.77825	7.42603	0.1287770	0.27991290	2.3144836	20	1 12.3	21.3
492414 2014 KY_{81}	17.9	X	202.50994	265.42754	53.15386	3.68921	0.1737819	0.28160753	2.3051890	20	2 1.3	21.5
492415 2014 KX_{82}	17.6	X	125.69344	321.86311	49.39104	6.92647	0.1377659	0.27277128	2.3547074	20	1 18.1	20.7
492416 2014 KG_{89}	17.9	X	225.45773	189.60435	112.08722	7.19540	0.1942070	0.28421968	2.2910432	20	1 30.4	21.7
492417 2014 KV_{93}	18.4	X	281.73272	199.64806	75.44910	5.28632	0.1311828	0.30118864	2.2041628	20	2 26.1	21.2
492418 2014 KG_{98}	18.3	X	230.25012	139.78406	114.83138	1.89437	0.1400179	0.27081577	2.3660291	20	—	—
492419 2014 LA_{4}	18.8	X	279.88370	158.10697	138.68045	2.52027	0.1794830	0.30927613	2.1655678	20	3 15.4	21.5
492420 2014 LK_{5}	17.4	X	172.21133	242.67096	87.04131	7.34600	0.1522886	0.27393842	2.3480144	20	1 17.2	20.9
492421 2014 LP_{8}	17.9	X	189.77834	217.51798	125.00303	5.47086	0.1439340	0.28881935	2.2666538	20	2 17.4	21.3
492422 2014 LJ_{12}	17.7	X	189.04432	269.48017	43.13924	1.81017	0.1986166	0.27035142	2.3687376	20	1 14.5	21.4
492423 2014 LU_{13}	18.3	X	235.56382	63.79245	267.60333	2.01602	0.2591822	0.28584548	2.2823478	20	3 10.9	22.3
492424 2014 LJ_{15}	17.3	X	145.96773	30.18495	283.03775	11.02740	0.1310285	0.23850604	2.5751536	20	—	—
492425 2014 LE_{20}	18.6	X	226.32943	172.04331	112.00654	6.32819	0.2144542	0.27684279	2.3315634	20	1 9.7	22.5
492426 2014 ME_{4}	16.9	X	167.85467	35.66770	291.29099	5.96694	0.1945855	0.25315523	2.4748267	20	1 14.8	20.7
492427 2014 MU_{11}	18.8	X	319.17023	345.92314	227.62077	6.97342	0.1594858	0.29850533	2.2173521	20	1 12.7	21.5
492428 2014 MH_{14}	17.5	X	262.19188	350.53638	301.83064	6.34101	0.1297634	0.28488081	2.2874973	20	2 23.8	20.7
492429 2014 MX_{14}	18.8	X	296.04025	149.38122	118.51294	7.39465	0.2812408	0.29802052	2.2197562	20	2 12.5	21.8
492430 2014 MC_{17}	18.2	X	221.11902	190.85661	138.02257	2.13057	0.2013271	0.27304647	2.3531250	20	2 29.6	22.1
492431 2014 MF_{20}	17.2	X	187.93351	190.00958	122.04912	7.95061	0.1593273	0.25524717	2.4612861	20	1 12.5	20.9
492432 2014 MF_{22}	16.6	X	116.09284	216.06475	111.71413	15.77583	0.1856387	0.23198628	2.6231785	20	—	—
492433 2014 MP_{24}	17.7	X	243.71688	3.40684	287.68276	5.90440	0.1085674	0.27897665	2.3196590	20	2 5.4	21.0
492434 2014 MY_{24}	16.9	X	122.83217	228.72144	111.68422	16.00361	0.1078155	0.24148823	2.5539089	20	—	—
492435 2014 MJ_{25}	18.4	X	306.04047	142.11000	112.88523	2.08896	0.1242474	0.29538203	2.2329551	20	2 29.9	21.0
492436 2014 MU_{25}	18.1	X	231.18647	331.11978	294.94304	1.69033	0.1705231	0.26425018	2.4050597	20	—	—
492437 2014 MA_{26}	17.9	X	238.07375	199.51278	103.90137	7.00261	0.1841685	0.28029136	2.3123997	20	2 14.2	21.5
492438 2014 MW_{27}	18.4	X	266.10117	40.07463	235.81389	4.76363	0.1755667	0.28972725	2.2619161	20	2 2.1	21.7
492439 2014 MT_{30}	17.7	X	209.98192	274.62225	56.06371	3.73974	0.1537506	0.27236915	2.3570245	20	2 24.3	21.3
492440 2014 MM_{37}	17.6	X	223.85425	174.30675	117.96714	7.35334	0.1289299	0.26444355	2.4038871	20	1 20.2	21.3
492441 2014 MO_{38}	18.3	X	313.45766	184.48003	83.60498	3.16721	0.1585648	0.29894136	2.2151954	20	3 25.8	20.5
492442 2014 MZ_{39}	16.7	X	56.50484	242.56213	93.93236	10.36945	0.1260425	0.20313430	2.8660288	20	12 19.9	20.7
492443 2014 MW_{43}	18.1	X	306.91506	343.26565	270.06498	3.20618	0.1421686	0.29470907	2.2363531	20	2 23.5	20.7
492444 2014 MC_{46}	18.9	X	285.56405	252.92589	40.16309	3.12864	0.2359976	0.30076116	2.2062508	20	3 10.9	22.0
492445 2014 MK_{46}	17.4	X	74.65717	16.63562	355.94154	12.85079	0.1458920	0.22989201	2.6390855	20	—	—
492446 2014 MO_{46}	16.0	X	42.41427	52.39964	295.00610	13.40672	0.2715363	0.18877860	3.0095452	20	—	—
492447 2014 MC_{54}	17.7	X	263.62482	291.41100	348.27336	7.28837	0.1033824	0.28572303	2.2829999	20	2 14.9	20.7
492448 2014 MJ_{54}	17.2	X	103.20892	255.95618	77.78723	12.38947	0.2106580	0.22764952	2.6563883	20	—	—
492449 2014 MZ_{55}	18.0	X	239.31234	212.36501	47.95032	2.65627	0.1592541	0.26510403	2.3998927	20	—	—
492450 2014 MF_{56}	17.8	X	221.15890	309.00041	306.73590	1.30951	0.1604921	0.25446681	2.4663154	20	—	—
492451 2014 MO_{56}	18.3	X	232.59535	220.08048	93.71790	5.76767	0.2462283	0.27889380	2.3201184	20	2 20.4	22.3
492452 2014 MW_{56}	17.2	X	16.24620	260.58738	94.43952	8.60336	0.1986726	0.19046921	2.9917103	20	11 29.5	20.8
492453 2014 MH_{60}	16.7	X	71.66444	145.73696	261.25551	11.23232	0.0238765	0.24123537	2.5556932	20	—	—
492454 2014 ME_{61}	17.2	X	207.64665	173.51848	129.50004	15.18527	0.2094706	0.26226368	2.4171890	20	1 18.9	21.3
492455 2014 MG_{61}	18.0	X	217.56279	192.70592	105.00495	2.47448	0.1844046	0.26504304	2.4002609	20	1 20.7	22.0
492456 2014 MJ_{61}	18.2	X	268.01679	175.22720	114.95581	5.09920	0.1570165	0.28567407	2.2832607	20	2 28.0	21.4
492457 2014 MS_{62}	17.1	X	53.33697	215.06711	127.04130	16.04399	0.1455837	0.20431328	2.8549926	20	12 26.6	21.4
492458 2014 MF_{63}	18.9	X	234.46954	176.70983	114.01686	2.18098	0.1804420	0.27053670	2.3676560	20	1 26.1	22.6
492459 2014 MR_{63}	18.4	X	229.31641	165.49292	120.99722	5.71337	0.1780814	0.26952503	2.3735770	20	1 16.5	22.2
492460 2014 MF_{69}	16.4	X	131.42164	17.64826	321.92399	8.64126	0.1237174	0.24668998	2.5178801	20	—	—
492461 2014 NL	17.8	X	212.34909	175.81045	152.53923	6.50239	0.1326309	0.28870720	2.2672407	20	2 20.3	21.3
492462 2014 NZ_{1}	18.1	X	239.41715	254.58669	41.48637	4.92267	0.2284994	0.27898709	2.3196011	20	2 4.8	22.0
492463 2014 NJ_{3}	17.5	X	204.10939	164.02540	142.65930	5.58425	0.1709693	0.27491861	2.3424300	20	1 18.1	21.2
492464 2014 NL_{18}	18.1	X	270.37998	140.87566	146.59871	6.32245	0.2007655	0.29894449	2.2151800	20	2 19.7	21.4
492465 2014 NH_{21}	17.1	X	43.34938	182.47252	215.66821	13.60910	0.1434695	0.22311576	2.6922531	20	—	—
492466 2014 NK_{21}	17.4	X	215.47508	75.27194	191.42990	14.11347	0.1042386	0.25303342	2.4756208	20	—	—
492467 2014 NC_{27}	17.7	X	226.00244	79.60181	153.62989	5.34866	0.0095970	0.24319461	2.5419485	20	—	—
492468 2014 ND_{30}	17.8	X	296.96122	115.84480	126.24835	23.30247	0.1671357	0.28613557	2.2808050	20	1 25.7	20.7
492469 2014 NH_{30}	18.0	X	323.99875	306.05726	266.40775	8.91719	0.1345348	0.28391894	2.2926608	20	1 24.0	20.7
492470 2014 NJ_{30}	18.0	X	220.53436	113.16208	201.49199	4.21250	0.1501064	0.27501710	2.3418707	20	2 10.7	21.8
492471 2014 NX_{30}	18.6	X	312.71738	97.92080	157.97941	4.75940	0.2329952	0.30015287	2.2092306	20	2 21.1	20.9
492472 2014 NB_{31}	17.9	X	215.86638	83.73927	240.83486	4.11618	0.1598631	0.27567079	2.3381671	20	2 18.0	21.7
492473 2014 NH_{33}	18.3	X	273.50360	75.42248	216.14204	2.45081	0.1711531	0.29251527	2.2475206	20	3 1.9	21.6
492474 2014 ND_{34}	17.0	X	37.09736	232.03766	153.46449	9.52710	0.1856089	0.21333544	2.7739207	20	—	—
492475 2014 NZ_{36}	17.2	X	163.19872	352.55902	296.29814	12.81750	0.2075323	0.23632651	2.5909622	20	—	—
492476 2014 NJ_{37}	17.4	X	294.07334	118.54825	143.42787	21.31874	0.1655888	0.28657594	2.2784678	20	2 18.2	20.4
492477 2014 NK_{37}	18.0	X	247.53419	350.07922	283.57751	10.16460	0.2215696	0.27046653	2.3680654	20	1 14.2	21.8
492478 2014 NB_{39}	19.7	X	217.61526	179.64290	218.46257	17.02138	0.6859464	0.45459806	1.6751396	20	5 5.4	23.4
492479 2014 NM_{44}	16.9	X	130.83333	54.90694	263.73876	12.09552	0.1914449	0.22934540	2.6432771	20	—	—
492480 2014 NQ_{45}	17.8	X	200.18524	157.49162	151.45240	6.97868	0.1671881	0.26498336	2.4006213	20	1 18.2	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492481 2014 NR_{47}	16.4	X	5.85828	137.62303	236.28858	16.49904	0.1416342	0.19541822	2.9409841	20	11 29.9	19.9
492482 2014 NO_{48}	16.7	X	50.98217	198.59236	235.85395	11.26187	0.0957376	0.24548896	2.5260857	20	—	—
492483 2014 NU_{48}	16.5	X	359.46038	212.63097	245.26938	13.84420	0.0714499	0.23213467	2.6220605	20	—	—
492484 2014 NH_{51}	17.1	X	154.88250	187.86183	158.97721	3.38043	0.2042473	0.25643677	2.4536683	20	1 27.1	20.9
492485 2014 NY_{53}	17.8	X	226.55773	245.05097	95.77526	6.79940	0.1810198	0.28378992	2.2933557	20	3 23.5	21.5
492486 2014 NE_{54}	17.0	X	167.38224	325.89448	325.71702	8.64265	0.1496666	0.23892459	2.5721452	20	—	—
492487 2014 NO_{54}	17.0	X	110.09456	330.11276	80.76083	7.42129	0.0949797	0.25983316	2.4322395	20	2 16.4	20.1
492488 2014 NA_{55}	17.5	X	204.42441	237.73923	50.98761	5.71368	0.2214915	0.25651393	2.4531763	20	—	—
492489 2014 NZ_{55}	17.2	X	129.21410	237.29006	97.98793	7.94798	0.2416620	0.23334557	2.6129815	20	—	—
492490 2014 NC_{56}	17.7	X	205.74423	249.10201	69.13817	6.89096	0.1372973	0.26428084	2.4048736	20	2 6.2	21.5
492491 2014 NJ_{56}	17.7	X	249.22323	220.65646	85.23567	6.63234	0.2358422	0.28149874	2.3057829	20	2 25.1	21.5
492492 2014 NR_{56}	17.9	X	277.08297	262.14829	43.23340	6.32291	0.1996613	0.29419968	2.2389338	20	3 24.3	20.9
492493 2014 NV_{58}	16.6	X	65.13726	229.20888	134.27135	25.99702	0.1325494	0.21595085	2.7514784	20	—	—
492494 2014 NN_{59}	18.0	X	240.50993	187.78977	95.65848	6.20853	0.1071754	0.26840981	2.3801471	20	1 26.8	21.4
492495 2014 NF_{60}	17.0	X	129.49335	222.23455	112.12976	9.40432	0.1816665	0.23256052	2.6188587	20	—	—
492496 2014 NG_{60}	17.9	X	279.13036	312.62374	348.92347	6.77535	0.2161542	0.29392529	2.2403270	20	3 16.2	20.9
492497 2014 NL_{60}	18.1	X	217.22257	258.02319	44.58643	4.11628	0.2043494	0.26427993	2.4048792	20	1 27.3	22.1
492498 2014 NB_{61}	17.9	X	200.30524	249.60995	59.57791	3.27558	0.1830220	0.26774368	2.3840932	20	1 20.1	21.8
492499 2014 NF_{61}	18.3	X	298.09437	271.49525	332.13324	5.50060	0.1520145	0.29144878	2.2530002	20	1 31.3	21.3
492500 2014 NG_{62}	18.0	X	289.81048	174.15315	82.43192	7.34833	0.1577887	0.29010196	2.2599679	20	2 8.4	21.1
492501 2014 NZ_{62}	17.8	X	272.16324	176.72304	86.36299	7.17886	0.0879290	0.28250978	2.3002783	20	2 5.5	20.9
492502 2014 OQ	17.6	X	194.42469	273.51358	88.88104	6.43415	0.1878046	0.28050885	2.3112043	20	3 22.0	21.4
492503 2014 OK_{4}	18.5	X	251.77428	189.18938	111.54573	4.88413	0.2074363	0.28146024	2.3059932	20	2 21.3	22.0
492504 2014 OG_{17}	17.6	X	357.85629	172.33135	274.92277	2.51921	0.0456605	0.23432904	2.6056653	20	—	—
492505 2014 OG_{21}	17.2	X	253.75209	222.89106	309.11343	6.51704	0.1399622	0.23155807	2.6264115	20	—	—
492506 2014 OJ_{21}	18.6	X	291.50663	248.54456	327.34583	0.93367	0.1314426	0.27078644	2.3661999	20	—	—
492507 2014 OM_{25}	18.9	X	279.72004	138.89243	118.32066	4.35538	0.1263952	0.28184613	2.3038879	20	1 31.6	22.1
492508 2014 OM_{28}	17.9	X	51.53723	312.96110	84.08696	3.77115	0.0927717	0.23091222	2.6313065	20	—	—
492509 2014 OW_{29}	18.3	X	255.53086	275.39370	9.94667	1.73089	0.1586985	0.28232580	2.3012776	20	2 8.2	21.7
492510 2014 OZ_{33}	18.4	X	224.69344	243.66655	85.77502	3.74676	0.2153378	0.28123420	2.3072286	20	3 4.7	22.1
492511 2014 OK_{34}	17.5	X	76.11685	317.27729	77.15488	4.30877	0.0673522	0.24219472	2.5489400	20	—	—
492512 2014 ON_{34}	18.3	X	264.67234	158.41346	88.40487	5.66666	0.1882789	0.27305667	2.3530664	20	—	—
492513 2014 OL_{37}	17.6	X	269.58722	341.99013	305.40808	3.31449	0.1392032	0.28819323	2.2699356	20	2 25.2	20.7
492514 2014 OK_{39}	17.8	X	230.00334	300.34523	327.07259	7.15889	0.1070884	0.26104472	2.4247080	20	—	—
492515 2014 OE_{41}	17.1	X	327.38749	157.84947	330.60001	8.71914	0.0619816	0.23850349	2.5751719	20	—	—
492516 2014 OH_{41}	17.6	X	120.65762	306.80953	104.10300	7.01060	0.1309505	0.26691696	2.3890135	20	3 5.7	20.8
492517 2014 OK_{41}	17.9	X	255.18078	99.08286	79.93305	3.57876	0.0299738	0.22925843	2.6439456	20	—	—
492518 2014 OP_{41}	17.9	X	53.73263	300.45006	91.67971	7.26509	0.1194400	0.22731108	2.6590243	20	—	—
492519 2014 OC_{42}	18.8	X	272.16919	268.94827	343.78832	4.61943	0.2123035	0.27913785	2.3187659	20	1 10.7	22.5
492520 2014 OS_{45}	18.8	X	335.25411	249.50753	298.67091	1.57884	0.1370142	0.27753044	2.3277105	20	1 10.1	21.5
492521 2014 OQ_{48}	16.8	X	48.54897	295.62424	103.79514	10.11123	0.1460987	0.22639743	2.6661734	20	—	—
492522 2014 OA_{51}	17.9	X	271.47879	143.81445	91.34037	2.46885	0.1354720	0.26823248	2.3811960	20	—	—
492523 2014 OJ_{52}	18.6	X	323.40216	221.64284	13.19970	1.63797	0.1008603	0.29060521	2.2573580	20	3 2.0	20.8
492524 2014 OV_{53}	17.8	X	176.44551	195.95772	84.70291	1.86570	0.1093350	0.24024993	2.5626770	20	—	—
492525 2014 OD_{55}	17.4	X	7.46647	285.93132	126.57332	12.15412	0.1017457	0.21396267	2.7684969	20	—	—
492526 2014 OE_{58}	18.1	X	310.20783	156.21240	87.70383	3.75126	0.1645928	0.29129941	2.2537703	20	2 14.9	20.7
492527 2014 OB_{65}	17.7	X	229.02525	183.27568	107.05774	5.78483	0.2813795	0.26998999	2.3708511	20	1 19.1	22.0
492528 2014 OG_{66}	17.6	X	19.17495	2.11273	67.70124	1.63916	0.0846803	0.22977752	2.6399621	20	—	—
492529 2014 OS_{69}	17.5	X	218.28590	115.77911	161.33763	4.45263	0.1024753	0.25548183	2.4597787	20	—	—
492530 2014 OM_{80}	18.3	X	289.60562	222.55356	31.92027	4.66827	0.0477059	0.28480975	2.2878777	20	2 21.5	21.0
492531 2014 OZ_{83}	18.8	X	299.29663	308.31401	324.91140	4.84909	0.2116697	0.30052519	2.2074055	20	3 1.3	21.7
492532 2014 OA_{84}	17.5	X	27.86494	85.47514	320.03957	6.45581	0.1002764	0.22605846	2.6688379	20	—	—
492533 2014 OL_{85}	16.7	X	107.88792	254.28761	80.99978	8.50777	0.2097068	0.22977446	2.6399856	20	—	—
492534 2014 OL_{90}	16.9	X	40.38109	237.89949	147.65011	7.27309	0.1603514	0.21775450	2.7362637	20	—	—
492535 2014 OQ_{91}	17.1	X	25.10409	286.71981	155.56761	12.17941	0.0905825	0.24196228	2.5505721	20	—	—
492536 2014 OZ_{93}	17.7	X	60.46658	285.17753	155.34584	6.31493	0.1505352	0.25662858	2.4524455	20	1 15.1	20.0
492537 2014 OP_{94}	17.9	X	297.57958	133.39977	126.68203	6.94207	0.2535212	0.28553508	2.2840016	20	2 8.2	21.1
492538 2014 OV_{94}	16.7	X	54.40776	276.75028	152.97787	22.14429	0.0990410	0.23081821	2.6320209	20	—	—
492539 2014 OB_{100}	16.5	X	334.58689	259.39990	152.04873	11.22257	0.1009975	0.18920392	3.0050334	20	11 26.1	20.4
492540 2014 OL_{102}	17.6	X	93.17747	216.32234	143.52540	10.83754	0.1768104	0.22168012	2.7038643	20	—	—
492541 2014 OQ_{102}	17.5	X	186.46786	221.19903	127.06918	4.62884	0.2290087	0.26212151	2.4180630	20	2 26.7	21.6
492542 2014 OK_{105}	17.7	X	120.77905	149.16943	199.53130	3.02262	0.0532983	0.24524185	2.5277822	20	—	—
492543 2014 OX_{105}	17.6	X	313.04747	89.40480	119.04936	6.74341	0.0649751	0.27189554	2.3597609	20	1 18.7	20.5
492544 2014 OE_{107}	18.0	X	174.62125	232.24120	107.44411	3.87256	0.1028417	0.26229239	2.4170127	20	1 29.8	21.5
492545 2014 OQ_{109}	17.0	X	340.06403	7.65326	14.50669	4.80309	0.1510950	0.18659961	3.0329289	20	10 25.1	20.4
492546 2014 OS_{109}	17.0	X	265.77699	44.35981	92.73440	8.28211	0.1552376	0.21426806	2.7658658	20	11 28.5	20.3
492547 2014 OM_{110}	18.4	X	253.71248	229.25173	57.92284	2.81401	0.1808719	0.27883339	2.3204535	20	2 8.0	22.0
492548 2014 ON_{110}	17.0	X	137.77353	211.40447	127.63963	15.48555	0.1902822	0.24060529	2.5601531	20	1 2.2	20.8
492549 2014 OV_{123}	16.6	X	290.72720	344.57176	124.42237	6.79195	0.1346528	0.21321396	2.7749743	20	12 3.6	19.8
492550 2014 OQ_{124}	17.7	X	275.81407	34.29525	122.62530	11.23500	0.1352489	0.23177090	2.6248034	20	—	—
492551 2014 OH_{125}	17.7	X	340.85395	335.85762	89.76198	5.30427	0.0906437	0.21114681	2.7930563	20	12 27.4	20.8
492552 2014 OS_{125}	17.8	X	356.14601	142.89214	329.37493	1.21657	0.0488066	0.24307273	2.5427982	20	—	—
492553 2014 OW_{132}	17.1	X	30.22257	285.49790	116.94121	22.71809	0.0571534	0.22724655	2.6595277	20	—	—
492554 2014 OA_{133}	17.8	X	243.38585	210.05576	82.09463	2.93980	0.2069417	0.27978869	2.3151685	20	2 3.1	21.4
492555 2014 OM_{134}	17.8	X	63.74671	16.00065	351.50789	2.02096	0.1500568	0.22203337	2.7009956	20	—	—
492556 2014 OM_{135}	18.0	X	282.57989	212.98508	17.30182	2.94062	0.1348920	0.27363949	2.3497241	20	—	—
492557 2014 OR_{136}	17.3	X	26.36873	274.58842	108.53446	7.67610	0.0927734	0.21291471	2.7775738	20	—	—
492558 2014 OP_{139}	17.6	X	46.79193	275.02147	132.19535	8.57328	0.1092091	0.23300557	2.6155228	20	—	—
492559 2014 OV_{140}	17.4	X	101.09739	285.66193	108.16201	6.70724	0.1135196	0.25146951	2.4858743	20	1 13.8	20.2
492560 2014 OJ_{141}	18.3	X	295.09651	240.49485	23.41464	2.05883	0.1664239	0.29285411	2.2457867	20	2 21.6	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492561 2014 OH_{144}	17.5	X	296.85864	184.02514	303.96947	10.79435	0.1282272	0.22291365	2.6938802	20	—	—
492562 2014 OM_{146}	17.4	X	100.96656	211.77522	133.17759	6.38199	0.1205078	0.23018942	2.6368119	20	—	—
492563 2014 OD_{147}	17.9	X	232.13404	165.01986	128.52478	8.98281	0.1616373	0.27306074	2.3530431	20	1 27.6	21.6
492564 2014 OZ_{147}	17.5	X	67.23439	268.06423	118.89238	3.07041	0.1154506	0.23360728	2.6110296	20	—	—
492565 2014 OS_{149}	19.0	X	278.76100	130.59351	102.75226	2.19973	0.1354464	0.27163403	2.3612751	20	—	—
492566 2014 OF_{151}	17.8	X	240.37383	284.98770	3.94988	5.61928	0.1682288	0.27749633	2.3279013	20	1 30.5	21.5
492567 2014 OJ_{156}	17.9	X	271.38589	148.99406	78.49107	7.46502	0.0905495	0.26521891	2.3991996	20	—	—
492568 2014 OK_{156}	17.0	X	92.53517	259.00645	89.09475	7.92148	0.1802092	0.22690716	2.6621790	20	—	—
492569 2014 OQ_{156}	17.4	X	70.09670	300.22895	73.55339	6.19627	0.0991568	0.22986355	2.6393033	20	—	—
492570 2014 OW_{160}	18.1	X	239.34252	262.92803	1.09042	5.70997	0.0996707	0.26533865	2.3984778	20	1 1.9	21.8
492571 2014 OW_{165}	18.8	X	266.89493	174.82864	85.86612	6.24232	0.1449096	0.27778533	2.3262864	20	1 21.4	22.3
492572 2014 OG_{172}	17.6	X	319.47963	120.01106	88.69150	7.19463	0.0550548	0.27497687	2.3420991	20	1 30.3	20.5
492573 2014 OL_{174}	18.0	X	270.37596	202.06514	60.08616	3.54456	0.1520755	0.27990142	2.3145469	20	1 26.0	21.3
492574 2014 OM_{179}	18.4	X	299.46680	264.11117	353.37458	5.62621	0.1724150	0.28928614	2.2642148	20	2 18.4	21.3
492575 2014 OC_{180}	18.5	X	221.01833	215.33294	92.52480	3.30864	0.2190667	0.27009323	2.3702469	20	2 4.4	22.4
492576 2014 OH_{180}	17.4	X	92.02583	307.43151	63.31522	3.73094	0.0456818	0.23418507	2.6067332	20	—	—
492577 2014 OU_{184}	16.6	X	52.36205	298.84068	40.54265	8.49298	0.2036760	0.19861775	2.9093146	20	12 27.4	21.0
492578 2014 OM_{185}	17.1	X	356.93647	121.83195	3.40899	3.88908	0.0905240	0.24325564	2.5415233	20	—	—
492579 2014 OU_{186}	16.9	X	56.00660	67.39981	298.51072	5.89478	0.0852724	0.20351902	2.8624157	20	—	—
492580 2014 OY_{187}	17.1	X	102.55412	3.67775	312.67592	4.29810	0.1533795	0.20635051	2.8361706	20	—	—
492581 2014 OF_{188}	16.6	X	351.59412	52.52396	333.83548	7.60924	0.1178774	0.17880940	3.1203920	20	11 13.5	20.6
492582 2014 OF_{189}	16.3	X	325.33687	53.80006	351.28667	9.86838	0.0854320	0.17401881	3.1774002	20	10 24.5	20.5
492583 2014 OS_{189}	17.4	X	114.03651	217.57789	152.68914	2.05600	0.1518788	0.23016743	2.6369798	20	1 9.9	20.9
492584 2014 OG_{190}	16.7	X	203.54926	270.79841	347.69803	14.26597	0.0662741	0.22348287	2.6893039	20	—	—
492585 2014 OP_{190}	17.2	X	90.28864	10.74770	332.13403	1.02857	0.2609939	0.21001617	2.8030718	20	—	—
492586 2014 OF_{191}	16.3	X	15.29947	208.89362	172.79577	9.72291	0.1152060	0.18650085	3.0339995	20	12 18.0	20.4
492587 2014 OM_{191}	17.5	X	92.27705	5.42414	9.81408	5.50725	0.0801141	0.22218708	2.6997498	20	—	—
492588 2014 OM_{192}	17.9	X	256.02428	181.42059	102.66674	2.72195	0.1839627	0.26881699	2.3777430	20	2 6.7	21.6
492589 2014 OA_{193}	17.8	X	186.45793	198.41705	139.82166	6.12780	0.1295859	0.25388265	2.4700971	20	2 11.1	21.3
492590 2014 OB_{193}	17.4	X	99.53146	254.67321	128.42599	5.53034	0.2110363	0.22740994	2.6582536	20	1 16.9	20.7
492591 2014 OH_{194}	16.8	X	17.43245	199.77335	159.18532	8.29295	0.1586103	0.18058753	3.0998752	20	11 28.4	20.8
492592 2014 OM_{194}	17.2	X	101.66038	172.57695	165.11692	7.45606	0.0761310	0.21193651	2.7861139	20	—	—
492593 2014 OW_{194}	16.8	X	205.53357	136.51560	155.91493	9.49709	0.0956404	0.24502628	2.5292646	20	1 4.4	20.7
492594 2014 OX_{194}	17.8	X	205.73340	316.63531	15.81358	1.64779	0.1897064	0.26342005	2.4101098	20	2 22.1	21.6
492595 2014 OY_{195}	16.2	X	4.32210	210.97020	172.00467	15.95776	0.0902814	0.18481196	3.0524555	20	12 2.4	20.4
492596 2014 ON_{197}	17.7	X	206.53567	175.19145	162.57828	6.82955	0.1285243	0.26594892	2.3948072	20	2 28.6	21.4
492597 2014 OL_{198}	17.0	X	142.01369	168.79836	177.73356	13.64653	0.1457658	0.23685211	2.5871278	20	1 9.5	21.0
492598 2014 OK_{199}	18.9	X	259.72316	205.08971	80.72291	3.76903	0.2354290	0.28154340	2.3055390	20	2 7.8	22.6
492599 2014 OG_{200}	17.5	X	113.23148	315.82482	98.85051	7.83361	0.0852036	0.27092909	2.3653693	20	2 22.6	20.5
492600 2014 OF_{204}	17.5	X	354.89928	15.39867	74.95115	5.04536	0.0887267	0.22922825	2.6441776	20	—	—
492601 2014 OD_{205}	18.0	X	231.73083	306.14132	353.86219	6.50026	0.1217982	0.27177652	2.3604498	20	2 7.6	21.5
492602 2014 ON_{205}	17.4	X	250.69254	155.80522	51.87173	6.68303	0.0842109	0.23946132	2.5683003	20	—	—
492603 2014 OQ_{206}	17.1	X	98.80272	7.11146	340.25010	6.48806	0.1349239	0.22176211	2.7031977	20	—	—
492604 2014 OW_{209}	18.1	X	287.13934	163.69858	37.78384	2.30820	0.1267802	0.26004062	2.4309457	20	—	—
492605 2014 OH_{210}	18.3	X	294.80995	302.72493	324.41116	2.27801	0.1507712	0.29320513	2.2439939	20	2 26.6	21.1
492606 2014 OK_{211}	17.3	X	147.77171	189.04823	81.22813	7.40396	0.0175027	0.21867756	2.7285583	20	—	—
492607 2014 OO_{211}	16.9	X	338.26823	16.63541	125.92309	14.36784	0.1083619	0.24395957	2.5366320	20	—	—
492608 2014 OS_{214}	17.6	X	15.99102	245.47468	205.72428	1.18247	0.0622696	0.24171264	2.5523279	20	—	—
492609 2014 OL_{216}	16.6	X	133.34546	34.07195	329.68156	7.11462	0.1843276	0.25184818	2.4833819	20	1 26.6	20.1
492610 2014 OC_{225}	17.5	X	98.83802	235.20343	91.00582	10.21348	0.0570308	0.22304425	2.6928285	20	—	—
492611 2014 OO_{228}	17.0	X	147.83164	111.39672	173.21567	15.00873	0.1767856	0.21723641	2.7406126	20	—	—
492612 2014 OX_{228}	16.2	X	333.40867	215.56349	181.68214	9.51382	0.1608802	0.17305866	3.1891418	20	11 1.1	19.8
492613 2014 OY_{228}	17.6	X	216.16051	152.94082	157.88210	3.15730	0.2276732	0.26115879	2.4240019	20	2 3.7	21.7
492614 2014 OL_{229}	16.0	X	26.70557	167.34807	173.89770	23.67019	0.1599787	0.17773691	3.1329320	20	11 20.8	20.5
492615 2014 OT_{230}	16.9	X	36.33532	272.84125	167.76869	22.00432	0.0646424	0.22544898	2.6736458	20	—	—
492616 2014 ON_{231}	17.4	X	225.66308	341.31473	309.68485	3.17303	0.1660363	0.25773621	2.4454141	20	1 20.6	21.4
492617 2014 OQ_{243}	18.5	X	261.75327	272.99620	39.06654	4.31185	0.2227676	0.29458053	2.2370036	20	3 13.9	21.8
492618 2014 OE_{248}	18.1	X	289.30254	169.73153	30.04207	2.45554	0.1179086	0.26186400	2.4196480	20	—	—
492619 2014 ON_{250}	18.2	X	310.09843	167.45971	88.36960	7.92807	0.1181593	0.29549973	2.2323622	20	3 12.8	20.8
492620 2014 OJ_{255}	17.7	X	73.56954	248.61650	90.11526	5.52044	0.0907896	0.21650837	2.7467529	20	—	—
492621 2014 OJ_{259}	17.8	X	228.88824	243.22559	35.29939	3.63552	0.1833227	0.26624954	2.3930042	20	1 7.3	21.7
492622 2014 OJ_{260}	17.9	X	330.20616	191.20209	39.78398	5.72258	0.0918833	0.29126191	2.2539637	20	3 11.0	20.3
492623 2014 OC_{261}	18.1	X	254.71479	245.93521	55.75632	7.07125	0.1279361	0.28536104	2.2849302	20	3 4.8	21.4
492624 2014 ON_{277}	17.9	X	290.83978	139.53620	104.44764	4.40010	0.0950957	0.27482740	2.3429483	20	2 1.9	20.8
492625 2014 OJ_{281}	17.0	X	305.16875	169.67977	63.62489	7.10242	0.0599166	0.27618702	2.3352527	20	2 13.9	19.9
492626 2014 OE_{286}	17.4	X	260.58629	230.47341	45.55827	7.00515	0.1109948	0.27427342	2.3461021	20	2 8.9	20.8
492627 2014 OV_{287}	16.1	X	0.52024	305.35204	100.85096	11.29567	0.1605718	0.19829837	2.9124375	20	—	—
492628 2014 OH_{290}	17.5	X	324.95343	154.59689	52.74278	7.24593	0.1537268	0.27789913	2.3256512	20	1 20.3	20.4
492629 2014 OG_{292}	17.5	X	139.10366	305.56204	48.16086	4.96189	0.1673871	0.24448053	2.5330272	20	1 19.3	21.2
492630 2014 ON_{295}	17.6	X	220.65027	308.85563	356.51845	2.15069	0.2086415	0.26165129	2.4209592	20	2 1.9	21.5
492631 2014 OU_{297}	18.1	X	229.08681	341.64335	334.70322	2.04726	0.1990566	0.26740435	2.3861097	20	2 21.2	21.7
492632 2014 OJ_{304}	17.9	X	315.76924	219.08924	331.59860	4.88910	0.1363958	0.26884507	2.3775774	20	—	—
492633 2014 OU_{304}	18.8	X	286.51072	297.87266	353.10806	1.57077	0.2235648	0.29836804	2.2180322	20	3 9.6	21.8
492634 2014 OK_{315}	16.7	X	167.57863	157.31308	107.37829	15.54900	0.0740742	0.22382751	2.6865426	20	—	—
492635 2014 OU_{316}	17.4	X	184.39781	216.96455	124.56953	7.71224	0.1408638	0.26517128	2.3994870	20	2 13.3	21.0
492636 2014 OK_{317}	18.7	X	237.74907	304.82723	17.24635	2.53159	0.2294071	0.27771042	2.3267047	20	3 5.0	22.4
492637 2014 OS_{318}	17.8	X	131.58534	250.03765	146.13598	3.15918	0.1905189	0.26400968	2.4065201	20	3 4.3	21.1
492638 2014 OB_{336}	17.7	X	241.91829	228.32118	94.29972	6.50991	0.1532518	0.28749976	2.2735843	20	3 15.9	21.1
492639 2014 OX_{340}	16.1	X	318.69760	290.16029	121.15948	17.17342	0.2787668	0.18103921	3.0947170	20	10 23.7	19.3
492640 2014 OK_{341}	17.5	X	35.65588	83.07826	350.46585	2.15419	0.1431212	0.23554007	2.5967264	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492641 2014 OQ_{341}	17.7	X	99.95687	208.68448	131.31925	13.62427	0.0516005	0.22698917	2.6615377	20	—	—
492642 2014 OV_{343}	18.2	X	289.90381	204.53595	67.24745	2.81386	0.2169034	0.29249038	2.2476481	20	2 19.8	21.4
492643 2014 OM_{348}	17.9	X	224.19893	107.73707	188.38383	3.44284	0.1474471	0.27034866	2.3687537	20	1 23.4	21.5
492644 2014 OS_{354}	17.2	X	34.65161	207.97011	158.52543	7.08058	0.0562892	0.20961768	2.8066232	20	12 22.4	21.1
492645 2014 OZ_{357}	17.7	X	96.50340	206.00057	157.31566	3.44676	0.0997268	0.23487831	2.6016015	20	—	—
492646 2014 OH_{358}	15.3	X	342.10530	230.44062	151.87248	27.48692	0.2206532	0.17370896	3.1811775	20	11 5.8	19.2
492647 2014 OO_{360}	17.0	X	112.84436	337.31328	347.20231	14.01332	0.1235170	0.21802830	2.7339725	20	—	—
492648 2014 OY_{366}	18.2	X	231.29564	187.78527	115.78116	2.21544	0.1901973	0.27067689	2.3668383	20	2 7.8	22.0
492649 2014 OY_{372}	17.5	X	255.85374	147.48752	151.91199	5.62767	0.1149808	0.28287103	2.2983195	20	2 29.9	20.8
492650 2014 OP_{373}	18.2	X	176.07889	151.18519	199.80003	1.90407	0.2110806	0.26197295	2.4189770	20	2 19.3	22.2
492651 2014 OC_{377}	17.7	X	189.40414	229.70239	91.19165	4.95459	0.1026246	0.25969164	2.4331230	20	1 22.3	21.2
492652 2014 OV_{377}	17.7	X	253.28650	182.69908	147.13729	7.09779	0.1094434	0.29270238	2.2465627	20	4 10.0	20.8
492653 2014 OS_{378}	18.3	X	242.55084	269.80091	32.75561	3.79590	0.1751277	0.27654112	2.3332588	20	2 17.9	21.9
492654 2014 OM_{380}	18.7	X	272.69245	109.97720	161.38863	5.02918	0.2146247	0.28653506	2.2786845	20	1 31.7	22.3
492655 2014 OM_{381}	18.0	X	261.76610	45.92482	236.90964	1.84420	0.1664977	0.28168073	2.3047896	20	2 9.3	21.5
492656 2014 ON_{384}	17.6	X	261.13911	273.98479	17.69123	7.53092	0.1599491	0.28167085	2.3048435	20	2 24.2	21.0
492657 2014 OV_{386}	16.6	X	357.54608	253.99332	159.88328	10.31912	0.1263283	0.21010455	2.8022857	20	—	—
492658 2014 OO_{388}	17.9	X	200.11412	310.15556	351.90677	1.96215	0.1921470	0.25889184	2.4381316	20	1 12.3	21.8
492659 2014 PO	16.1	X	342.22563	231.12337	143.65800	28.28707	0.2325560	0.17248662	3.1961890	20	10 28.2	20.0
492660 2014 PJ_{1}	17.4	X	55.91825	239.73829	120.51144	5.52693	0.0792729	0.21491279	2.7603313	20	—	—
492661 2014 PF_{3}	18.1	X	158.50077	68.04709	292.66423	1.38894	0.0872842	0.26381323	2.4077146	20	2 5.6	21.4
492662 2014 PG_{6}	17.6	X	114.55611	65.40785	280.20336	10.04813	0.0639889	0.23782859	2.5800414	20	—	—
492663 2014 PQ_{8}	17.7	X	317.39843	88.80081	141.74410	6.29118	0.1362276	0.28755475	2.2732944	20	2 9.9	20.4
492664 2014 PX_{8}	18.3	X	215.86625	198.34028	144.59915	6.86361	0.1458557	0.28200934	2.3029988	20	3 15.4	21.7
492665 2014 PB_{9}	17.6	X	96.59773	324.73639	81.84080	1.57692	0.0757249	0.25150490	2.4856411	20	1 18.8	20.6
492666 2014 PJ_{10}	18.1	X	277.45338	144.49231	96.00442	2.14195	0.1394446	0.26917852	2.3756135	20	1 7.9	21.5
492667 2014 PD_{17}	18.2	X	263.34314	142.35984	114.92209	1.98118	0.1431707	0.26957364	2.3732916	20	1 13.9	21.5
492668 2014 PD_{20}	18.3	X	298.57978	136.64364	119.50019	3.58202	0.2026327	0.28813815	2.2702249	20	2 10.6	21.4
492669 2014 PN_{20}	17.3	X	351.40099	28.74522	16.50589	1.84888	0.1056037	0.19763819	2.9189196	20	12 14.2	20.9
492670 2014 PO_{20}	18.1	X	232.56492	176.44622	108.14154	2.21704	0.1740324	0.26601232	2.3944267	20	1 17.6	21.9
492671 2014 PU_{20}	17.2	X	222.99722	252.73165	334.55672	12.12712	0.1199762	0.23486271	2.6017167	20	—	—
492672 2014 PZ_{24}	17.5	X	233.96491	286.83925	337.55102	5.66075	0.0761584	0.25442935	2.4665575	20	—	—
492673 2014 PM_{25}	17.2	X	19.71275	285.83448	143.05056	22.30556	0.0604578	0.22302204	2.6930073	20	—	—
492674 2014 PK_{26}	18.0	X	194.64275	246.75460	97.78667	3.59636	0.2136168	0.26745362	2.3858166	20	2 28.5	22.0
492675 2014 PS_{26}	17.7	X	259.98628	211.17704	52.29060	4.27178	0.1903727	0.27112889	2.3642071	20	1 15.5	21.4
492676 2014 PW_{30}	16.5	X	350.26422	245.48993	142.49460	6.50968	0.1484983	0.18551727	3.0447138	20	11 22.3	20.1
492677 2014 PH_{33}	16.7	X	353.62018	337.01677	53.93413	3.60952	0.1085445	0.19049925	2.9913957	20	11 27.5	20.2
492678 2014 PW_{33}	18.0	X	178.92920	308.48408	47.16331	3.51604	0.1914223	0.26301484	2.4125846	20	2 28.8	21.9
492679 2014 PB_{34}	16.7	X	10.02432	277.04835	107.81912	7.00291	0.1154001	0.19514979	2.9436804	20	12 16.9	20.5
492680 2014 PB_{36}	18.7	X	285.49845	196.69013	42.92119	2.00687	0.1408195	0.27178722	2.3603878	20	1 15.3	21.9
492681 2014 PO_{40}	17.2	X	168.82895	301.09825	333.18355	4.14935	0.0484964	0.22291413	2.6938763	20	—	—
492682 2014 PB_{42}	18.4	X	252.54833	157.60049	137.10790	6.22478	0.2361579	0.27776483	2.3264008	20	2 11.9	22.0
492683 2014 PL_{43}	17.4	X	199.37873	184.96640	77.10752	12.83758	0.1301075	0.23367337	2.6105373	20	—	—
492684 2014 PR_{43}	16.8	X	152.36705	244.54858	96.51883	15.04913	0.1328705	0.24166621	2.5526548	20	1 13.4	20.5
492685 2014 PX_{44}	18.1	X	205.29551	142.09291	181.58114	2.89476	0.1680895	0.27180204	2.3603020	20	2 8.9	21.9
492686 2014 PE_{45}	16.5	X	286.02617	287.36152	134.81602	16.93281	0.2031879	0.17092515	3.2156251	20	9 8.0	20.7
492687 2014 PE_{48}	18.1	X	233.70561	289.34848	0.15009	2.94321	0.1863692	0.26742414	2.3859920	20	1 24.7	21.9
492688 2014 PB_{51}	16.7	X	152.53400	181.27459	113.29381	20.19135	0.2245870	0.22839772	2.6505838	20	—	—
492689 2014 PO_{51}	17.2	X	175.07820	290.51405	345.27325	10.78142	0.0500515	0.22421970	2.6834090	20	—	—
492690 2014 PD_{52}	17.3	X	157.30263	328.73282	330.30648	8.32274	0.1163723	0.22866744	2.6484991	20	—	—
492691 2014 PC_{54}	17.2	X	204.20105	160.42844	102.41965	14.69784	0.1379315	0.23585129	2.5944415	20	—	—
492692 2014 PN_{54}	16.6	X	157.92707	184.18318	113.91061	19.45979	0.0895465	0.22452120	2.6810061	20	—	—
492693 2014 PP_{55}	17.6	X	192.10134	140.93831	176.07839	1.18731	0.2000775	0.25565893	2.4586426	20	1 23.4	21.5
492694 2014 PN_{57}	16.1	X	357.16202	256.99407	112.99773	19.10434	0.1335795	0.17635766	3.1492453	20	11 12.8	20.3
492695 2014 PZ_{57}	17.3	X	169.06191	188.96141	138.45924	7.20095	0.1151193	0.25295946	2.4761033	20	1 10.1	21.0
492696 2014 PZ_{59}	16.6	X	191.57321	24.34805	299.94949	24.02711	0.2307152	0.25785145	2.4446855	20	1 29.9	20.9
492697 2014 PJ_{61}	18.1	X	239.10086	166.86538	154.67399	3.00710	0.2519313	0.28653461	2.2786869	20	3 3.2	21.7
492698 2014 PE_{64}	18.3	X	254.74182	284.57915	22.40145	1.42913	0.1665185	0.28567877	2.2832357	20	3 4.9	21.5
492699 2014 PW_{64}	18.5	X	257.33379	256.86381	48.14817	3.08088	0.1827822	0.28690399	2.2767307	20	3 4.5	21.8
492700 2014 PV_{66}	18.4	X	231.75634	353.79054	341.44298	0.40432	0.2234528	0.28437488	2.2902096	20	3 15.3	22.0
492701 2014 PN_{67}	17.8	X	173.30326	347.68937	349.80090	2.12551	0.2127000	0.25804409	2.4434686	20	2 2.3	21.6
492702 2014 PM_{69}	17.2	X	39.49846	132.21817	265.73461	4.69606	0.1000946	0.21905698	2.7254067	20	—	—
492703 2014 PD_{70}	17.9	X	188.27443	7.70684	306.16270	1.58180	0.2103099	0.25693714	2.4504817	20	1 17.1	21.9
492704 2014 QA_{18}	18.0	X	289.64154	45.46944	213.39211	1.88985	0.1921727	0.27675683	2.3320462	20	2 5.6	21.2
492705 2014 QW_{19}	16.8	X	164.56157	24.11139	263.20946	3.67458	0.1967315	0.22889576	2.6467376	20	—	—
492706 2014 QX_{20}	16.7	X	133.23038	63.20318	280.91698	6.48686	0.0495369	0.23390914	2.6087828	20	—	—
492707 2014 QF_{23}	17.6	X	206.36217	100.02726	215.71526	5.57762	0.1244023	0.26047426	2.4282469	20	1 30.9	21.5
492708 2014 QH_{23}	18.1	X	239.45345	49.61962	250.87835	4.36152	0.1592075	0.27149955	2.3620548	20	2 10.4	21.9
492709 2014 QX_{23}	17.0	X	229.33862	280.66734	292.39718	5.58199	0.0896967	0.22309334	2.6924335	20	—	—
492710 2014 QX_{25}	16.4	X	43.60818	336.74716	336.18818	27.02799	0.1391776	0.17934505	3.1141757	20	10 17.7	21.2
492711 2014 QT_{26}	17.0	X	101.03468	23.89010	314.68762	7.66006	0.1851590	0.21701408	2.7424840	20	—	—
492712 2014 QG_{29}	17.8	X	236.82668	58.70968	249.58578	2.59296	0.1972671	0.27374617	2.3491136	20	2 16.3	21.6
492713 2014 QT_{29}	17.2	X	109.97658	45.76491	286.27823	4.06970	0.0660305	0.21761729	2.7374138	20	—	—
492714 2014 QR_{34}	17.8	X	212.21207	17.61896	266.44882	5.90274	0.1146994	0.26001682	2.4310940	20	—	—
492715 2014 QS_{35}	17.7	X	89.19163	199.52280	211.72408	5.22025	0.0982136	0.25227454	2.4805830	20	1 15.9	20.7
492716 2014 QF_{38}	16.6	X	85.17493	205.26713	163.81124	17.39873	0.1852322	0.22614940	2.6681225	20	—	—
492717 2014 QZ_{39}	17.5	X	142.39621	37.11805	253.42275	4.27401	0.0514606	0.21734668	2.7396855	20	—	—
492718 2014 QK_{40}	16.2	X	44.92901	358.38384	322.17868	9.20658	0.0844024	0.18363308	3.0655056	20	11 2.7	20.6
492719 2014 QZ_{45}	17.7	X	113.83389	140.63798	201.42320	2.49819	0.0931084	0.23609756	2.5926370	20	—	—
492720 2014 QN_{48}	17.3	X	113.84475	32.56369	286.44161	11.99831	0.0662164	0.22597020	2.6695329	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492721 2014 QR_{51}	17.1	X	26.40309	277.53135	142.98927	13.77176	0.1029001	0.22844897	2.6501874	20	—	—
492722 2014 QS_{59}	18.2	X	251.41910	148.06085	159.92560	6.59092	0.1564193	0.28583459	2.2824058	20	3 3.3	21.3
492723 2014 QN_{90}	18.2	X	258.60950	17.21229	257.66008	4.98848	0.2201009	0.27681122	2.3317407	20	1 23.6	21.9
492724 2014 QD_{103}	17.4	X	240.78835	321.55271	298.61877	6.63560	0.1986894	0.26216223	2.4178126	20	—	—
492725 2014 QL_{105}	17.2	X	33.64603	204.79869	195.47586	4.98776	0.0670820	0.21741978	2.7390714	20	—	—
492726 2014 QX_{106}	17.4	X	96.97382	141.88942	187.77255	5.93239	0.0253944	0.21694408	2.7430739	20	—	—
492727 2014 QM_{115}	16.4	X	337.81103	52.86644	330.83585	9.21361	0.1255922	0.17880032	3.1204976	20	10 16.9	20.3
492728 2014 QS_{119}	17.7	X	27.94148	270.80962	140.85011	1.37051	0.0685352	0.21507760	2.7589210	20	—	—
492729 2014 QK_{120}	17.9	X	272.45902	122.07147	147.93335	2.58214	0.1748204	0.27625472	2.3348711	20	2 4.2	21.2
492730 2014 QU_{120}	18.1	X	234.94957	301.65555	343.27572	5.82317	0.2160977	0.26575434	2.3959760	20	1 20.0	22.2
492731 2014 QM_{121}	16.5	X	280.27944	86.33550	346.67821	15.05580	0.0494969	0.17453145	3.1711753	20	9 29.2	20.9
492732 2014 QC_{123}	16.9	X	308.37275	324.76332	162.52121	17.51248	0.0718799	0.21311228	2.7758568	20	—	—
492733 2014 QL_{123}	18.8	X	292.01913	262.44974	359.60927	0.96230	0.2216357	0.28403516	2.2920353	20	2 8.8	22.0
492734 2014 QV_{123}	17.6	X	46.01263	144.26535	223.83562	1.20703	0.0780683	0.20360800	2.8615817	20	—	—
492735 2014 QN_{125}	17.5	X	256.38543	356.65537	189.14160	4.64188	0.0473994	0.21956376	2.7212113	20	—	—
492736 2014 QY_{125}	18.0	X	275.80941	314.78548	308.62729	3.35153	0.1882928	0.27482970	2.3429352	20	1 29.3	21.5
492737 2014 QD_{127}	18.4	X	259.27390	13.58544	293.87487	1.89006	0.2266761	0.28440734	2.2900353	20	3 3.6	21.8
492738 2014 QL_{127}	17.1	X	342.33624	109.70130	297.90510	3.41279	0.1349813	0.18686134	3.0300961	20	12 1.4	20.6
492739 2014 QC_{128}	17.2	X	49.74494	45.64256	321.50054	4.63797	0.0857989	0.20377540	2.8600144	20	—	—
492740 2014 QV_{128}	16.3	X	242.95745	126.70564	343.68688	17.66222	0.0911431	0.17070371	3.2184053	20	9 22.2	21.0
492741 2014 QD_{129}	17.5	X	158.24429	123.00398	159.36529	3.93664	0.0880810	0.22091731	2.7100848	20	—	—
492742 2014 QQ_{134}	17.1	X	18.38088	261.47546	136.91436	7.39579	0.1072724	0.20153800	2.8811425	20	—	—
492743 2014 QT_{134}	17.3	X	309.80898	115.35609	36.71653	3.07179	0.0075463	0.22711995	2.6605159	20	—	—
492744 2014 QX_{134}	18.0	X	232.81499	271.05283	7.20445	4.90331	0.1044785	0.25597437	2.4566223	20	1 14.5	21.6
492745 2014 QZ_{135}	17.5	X	263.65853	164.08943	59.38622	2.09046	0.0381892	0.24051848	2.5607691	20	—	—
492746 2014 QT_{136}	17.8	X	308.22530	73.42772	155.47215	1.79355	0.1358672	0.26899724	2.3766807	20	1 29.0	20.8
492747 2014 QU_{136}	17.8	X	196.68226	160.67796	175.25326	1.49244	0.1759572	0.26204799	2.4185152	20	2 17.8	21.7
492748 2014 QD_{137}	18.5	X	271.71611	131.74032	148.11981	2.77243	0.2026987	0.27899239	2.3195717	20	2 12.9	21.8
492749 2014 QP_{142}	16.3	X	332.95722	53.57192	4.81054	12.88172	0.1112443	0.18691638	3.0295013	20	11 25.6	20.2
492750 2014 QA_{150}	17.1	X	176.91666	243.67976	31.66543	5.85918	0.0139662	0.22134333	2.7066063	20	—	—
492751 2014 QV_{151}	16.9	X	154.04318	230.35634	112.96937	8.42912	0.2065203	0.23810039	2.5780776	20	1 25.2	20.9
492752 2014 QK_{153}	16.9	X	66.13714	42.27309	357.90545	14.68249	0.0940115	0.24126922	2.5554542	20	—	—
492753 2014 QD_{166}	16.8	X	188.75279	143.85319	165.65356	13.51281	0.2599801	0.25377190	2.4708157	20	1 13.3	21.3
492754 2014 QM_{167}	15.9	X	101.87350	266.31763	84.61468	15.20564	0.1052455	0.21079422	2.7961701	20	—	—
492755 2014 QP_{167}	15.8	X	54.23221	174.67150	152.86836	19.00868	0.1877752	0.18065091	3.0991501	20	12 12.2	20.7
492756 2014 QE_{168}	15.6	X	337.76865	332.75450	94.38841	14.68109	0.1189881	0.18009854	3.1054837	20	12 16.9	19.4
492757 2014 QL_{168}	16.7	X	175.72846	43.55827	238.23178	11.89361	0.1347462	0.23494417	2.6011153	20	—	—
492758 2014 QC_{170}	17.3	X	121.91892	207.24216	178.56092	13.85165	0.0448727	0.24692982	2.5162494	20	1 19.3	20.9
492759 2014 QD_{170}	17.5	X	106.87454	196.06724	176.10516	12.30375	0.1121944	0.23198963	2.6231533	20	—	—
492760 2014 QR_{170}	16.5	X	16.72205	187.99328	174.11042	9.43952	0.0867133	0.18461509	3.0546251	20	11 23.1	20.6
492761 2014 QQ_{171}	17.2	X	140.08067	349.98106	3.70970	13.63183	0.1922117	0.23681996	2.5873619	20	1 27.6	21.3
492762 2014 QR_{172}	16.8	X	311.12369	259.62679	162.77385	11.54125	0.1340151	0.17975916	3.1093912	20	10 30.0	20.6
492763 2014 QC_{173}	18.4	X	229.17801	55.21972	254.24647	1.25783	0.2281532	0.27083134	2.3659384	20	2 11.2	22.2
492764 2014 QA_{174}	16.7	X	277.37384	281.70555	170.43148	9.07617	0.0945129	0.17814990	3.1280883	20	10 20.0	20.9
492765 2014 QN_{174}	17.1	X	293.56680	307.20660	153.72273	6.55877	0.0631796	0.19231027	2.9725858	20	11 28.6	21.0
492766 2014 QZ_{177}	18.3	X	256.49349	106.91249	159.59503	3.44272	0.1553313	0.26564537	2.3966313	20	1 17.8	22.0
492767 2014 QV_{178}	17.4	X	73.09053	351.73593	48.08796	3.11549	0.1155999	0.22627392	2.6671435	20	—	—
492768 2014 QL_{179}	16.7	X	121.97476	125.06248	134.80190	12.45216	0.1038464	0.18951362	3.0017586	20	11 24.8	21.6
492769 2014 QN_{188}	17.4	X	98.83899	27.22852	317.32367	13.26671	0.0860872	0.22312285	2.6921961	20	—	—
492770 2014 QS_{193}	16.6	X	279.01756	148.55139	310.95948	8.06821	0.1647962	0.18447147	3.0562103	20	10 16.7	20.8
492771 2014 QU_{195}	17.4	X	109.01432	166.65829	171.71288	14.67497	0.0741072	0.22471284	2.6794816	20	—	—
492772 2014 QX_{201}	18.6	X	288.54886	328.11488	288.56415	2.19494	0.1938738	0.28054820	2.3109882	20	2 1.3	21.6
492773 2014 QA_{205}	17.1	X	351.36058	87.84335	313.57279	4.62029	0.0691687	0.19512056	2.9439744	20	12 5.1	21.0
492774 2014 QF_{205}	17.0	X	299.42014	285.63157	172.84716	6.15138	0.0673557	0.19764026	2.9188993	20	12 4.3	20.8
492775 2014 QQ_{207}	16.5	X	287.55790	188.08654	330.78940	13.21280	0.1847497	0.22292280	2.6938065	20	—	—
492776 2014 QB_{212}	16.9	X	339.49354	244.14299	156.15072	5.52294	0.1010018	0.18665961	3.0322790	20	11 17.7	20.6
492777 2014 QC_{214}	17.3	X	167.60256	332.91643	320.38275	9.91425	0.1165565	0.23322800	2.6138596	20	—	—
492778 2014 QA_{215}	17.4	X	293.13577	235.60473	315.17624	6.79990	0.0744213	0.24157549	2.5532939	20	—	—
492779 2014 QO_{216}	18.1	X	188.12758	117.43486	173.75721	10.32790	0.1073171	0.24262098	2.5459536	20	—	—
492780 2014 QS_{222}	17.6	X	240.66035	116.85495	168.81782	6.67025	0.1168947	0.26671767	2.3902034	20	1 27.5	21.2
492781 2014 QV_{223}	18.2	X	245.34924	305.77748	336.42780	5.62712	0.2238721	0.27043490	2.3682501	20	1 24.2	22.1
492782 2014 QG_{226}	18.0	X	170.83521	109.49991	167.91207	3.73189	0.0592366	0.22571715	2.6715277	20	—	—
492783 2014 QV_{227}	17.7	X	299.99668	223.11937	334.83727	3.09526	0.0650294	0.24736816	2.5132760	20	—	—
492784 2014 QE_{228}	17.6	X	34.60163	250.94809	166.35998	2.10247	0.0904084	0.21853588	2.7297374	20	—	—
492785 2014 QU_{228}	18.3	X	220.84585	98.79822	228.24581	0.72289	0.2016925	0.27199198	2.3592030	20	2 26.5	22.2
492786 2014 QO_{230}	16.5	X	6.34535	195.94224	175.55365	9.76515	0.0857259	0.18486260	3.0518980	20	11 20.3	20.5
492787 2014 QJ_{232}	16.8	X	329.60018	77.91166	351.13078	10.15353	0.0721304	0.19329071	2.9625252	20	12 7.1	20.7
492788 2014 QM_{232}	18.2	X	248.67495	301.45118	357.40546	3.31300	0.2090407	0.27587996	2.3369851	20	2 16.1	21.9
492789 2014 QP_{233}	17.4	X	136.76563	274.43221	20.51176	4.52756	0.0430136	0.21499288	2.7596457	20	—	—
492790 2014 QL_{234}	16.5	X	270.66643	293.08294	159.56059	22.02365	0.0335269	0.17778845	3.1323264	20	10 22.7	21.1
492791 2014 QO_{237}	16.4	X	343.20522	246.61966	155.33304	8.92931	0.1019695	0.18524189	3.0477307	20	11 25.8	20.3
492792 2014 QW_{237}	16.9	X	7.76673	262.45889	130.84217	4.26182	0.0443388	0.19514259	2.9437528	20	12 15.7	20.9
492793 2014 QS_{239}	17.4	X	37.94834	215.84929	158.11783	6.51970	0.0751042	0.20275906	2.8695637	20	—	—
492794 2014 QC_{240}	16.4	X	289.48245	112.11690	334.53791	11.73294	0.1457226	0.17849406	3.1240661	20	10 16.1	20.6
492795 2014 QK_{241}	18.5	X	248.21927	176.51359	100.77545	3.30153	0.1958387	0.26662284	2.3907701	20	1 21.6	22.4
492796 2014 QM_{242}	16.5	X	193.27471	29.77848	147.80471	17.45084	0.1465564	0.18161365	3.0881880	20	10 26.0	21.7
492797 2014 QG_{244}	17.1	X	55.68198	273.14773	105.79374	8.36056	0.0498535	0.21103669	2.7940279	20	—	—
492798 2014 QV_{244}	16.6	X	29.17681	253.20406	91.92276	9.57085	0.0727429	0.18461198	3.0546594	20	11 17.4	20.7
492799 2014 QL_{246}	16.7	X	35.72183	325.74332	45.41046	9.43591	0.1690025	0.19666898	2.9285017	20	—	—
492800 2014 QN_{248}	17.5	X	155.29793	231.31081	110.57122	6.22157	0.1500565	0.24316629	2.5421459	20	1 18.8	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492801 2014 QB_{249}	16.4	X	14.49451	242.77691	122.91706	9.91660	0.0823146	0.18442153	3.0567620	20	11 24.6	20.6
492802 2014 QW_{249}	16.9	X	301.21972	33.55014	40.67768	10.25307	0.0606129	0.17975504	3.1094387	20	11 1.8	20.9
492803 2014 QG_{251}	16.4	X	214.39086	170.77020	27.69013	15.57215	0.0807896	0.20226474	2.8742372	20	12 14.2	20.8
492804 2014 QZ_{251}	17.0	X	25.29710	347.38843	41.47926	11.87959	0.0993937	0.19814202	2.9139694	20	—	—
492805 2014 QA_{254}	16.9	X	200.08075	155.73011	114.19343	10.39189	0.1082189	0.23252611	2.6191170	20	—	—
492806 2014 QE_{255}	16.9	X	305.27156	52.66574	140.45270	15.61541	0.0296547	0.23958130	2.5674427	20	—	—
492807 2014 QW_{255}	16.3	X	343.79224	282.88050	111.19602	10.47478	0.0884074	0.17869637	3.1217077	20	11 15.7	20.4
492808 2014 QZ_{259}	16.7	X	38.84859	320.78113	49.83223	10.64797	0.0935785	0.19845787	2.9108768	20	—	—
492809 2014 QV_{262}	16.9	X	225.48675	202.55818	41.37117	11.43939	0.0839576	0.23442441	2.6049586	20	—	—
492810 2014 QJ_{263}	16.6	X	297.48207	326.50495	117.43067	10.32186	0.1942585	0.17580999	3.1557822	20	10 28.9	20.5
492811 2014 QV_{264}	16.6	X	299.06016	49.99656	114.33479	15.28572	0.0948461	0.22248135	2.6973687	20	—	—
492812 2014 QH_{267}	17.5	X	170.63457	161.00211	162.05609	5.92145	0.2336090	0.24142815	2.5543326	20	1 15.8	21.8
492813 2014 QV_{267}	17.5	X	196.84006	304.48450	324.84105	7.66641	0.1180850	0.23434896	2.6055177	20	—	—
492814 2014 QQ_{269}	17.3	X	131.85340	121.86456	207.04619	3.06608	0.0433041	0.22734249	2.6587794	20	—	—
492815 2014 QS_{269}	16.0	X	252.37320	259.31549	162.41171	20.23249	0.3230322	0.13758544	3.7161028	20	7 9.5	22.3
492816 2014 QG_{273}	15.8	X	2.94979	208.94560	136.73498	13.09990	0.3010152	0.17363898	3.1820322	20	11 7.7	19.3
492817 2014 QQ_{275}	17.4	X	101.50795	308.34102	27.05451	4.31315	0.1053066	0.20953329	2.8073767	20	—	—
492818 2014 QF_{276}	18.2	X	189.33671	220.66241	128.30398	7.09932	0.1278798	0.27093456	2.3653375	20	2 26.9	21.7
492819 2014 QF_{279}	17.5	X	90.61164	334.42385	11.64143	5.28394	0.1367034	0.22203893	2.7009505	20	—	—
492820 2014 QB_{280}	17.1	X	67.26976	8.50393	343.12602	4.02568	0.0830860	0.21372391	2.7705584	20	—	—
492821 2014 QE_{281}	16.8	X	340.39384	299.67857	91.93312	2.54682	0.0883881	0.19021914	2.9943317	20	11 7.5	20.4
492822 2014 QO_{282}	17.0	X	91.92136	331.34176	69.22382	12.63622	0.1323300	0.24012157	2.5635902	20	1 15.7	20.2
492823 2014 QL_{283}	16.3	X	279.25154	339.90700	117.14768	18.07786	0.0968637	0.18552499	3.0446294	20	11 4.9	20.7
492824 2014 QM_{284}	16.9	X	78.23599	238.31618	107.48366	15.80145	0.0095688	0.21207486	2.7849020	20	—	—
492825 2014 QW_{288}	16.4	X	16.90370	322.19460	117.14600	22.75272	0.0463190	0.22574597	2.6713003	20	—	—
492826 2014 QH_{290}	16.2	X	31.19392	280.51222	61.44450	11.50304	0.1188741	0.18482945	3.0522629	20	11 20.5	20.2
492827 2014 QN_{290}	16.7	X	119.38437	226.39663	124.82173	14.06036	0.1831046	0.22988083	2.6391711	20	—	—
492828 2014 QR_{290}	16.9	X	214.68671	77.25760	112.76539	13.11585	0.0003065	0.19827371	2.9126790	20	12 16.9	21.1
492829 2014 QC_{300}	17.2	X	83.42165	352.48610	350.33031	3.17606	0.1041546	0.20817927	2.8195365	20	—	—
492830 2014 QJ_{301}	16.3	X	355.44627	0.48206	6.44973	26.40404	0.1484469	0.17355164	3.1830997	20	10 20.1	20.3
492831 2014 QB_{304}	16.8	X	300.50607	108.00493	335.22509	19.16144	0.1246825	0.18316728	3.0707004	20	10 28.1	21.0
492832 2014 QQ_{304}	17.5	X	246.71420	237.65178	63.53254	6.48816	0.2535645	0.27467529	2.3438132	20	2 16.9	21.5
492833 2014 QZ_{306}	17.8	X	189.12498	216.55418	139.37602	3.35871	0.2061925	0.26332279	2.4107032	20	3 8.2	21.8
492834 2014 QR_{307}	18.0	X	229.09954	301.33060	14.21196	1.82179	0.1663786	0.26684634	2.3894350	20	2 22.0	21.6
492835 2014 QW_{307}	16.5	X	171.36414	244.70607	12.32287	8.99219	0.1105145	0.20964929	2.8063411	20	—	—
492836 2014 QF_{313}	17.8	X	244.57777	103.20246	154.33486	5.15847	0.0878531	0.26234077	2.4167155	20	—	—
492837 2014 QS_{318}	17.8	X	227.70361	117.95431	123.03976	3.54288	0.0525987	0.24070203	2.5594671	20	—	—
492838 2014 QF_{322}	17.2	X	54.43474	313.95156	24.51992	3.17693	0.1007259	0.18851849	3.0123129	20	12 12.9	21.5
492839 2014 QC_{323}	16.8	X	112.82751	270.13002	6.11429	12.28925	0.0888040	0.18832500	3.0143758	20	11 27.8	21.6
492840 2014 QU_{323}	17.0	X	163.61182	276.03896	15.34599	10.55428	0.1188381	0.22239661	2.6980538	20	—	—
492841 2014 QZ_{325}	17.1	X	175.54398	279.37095	20.23636	8.43605	0.0798795	0.22786224	2.6547348	20	—	—
492842 2014 QR_{328}	16.8	X	38.16437	186.86809	163.82144	6.79812	0.1932842	0.18377087	3.0639730	20	12 20.4	21.1
492843 2014 QC_{329}	16.9	X	92.47376	256.49263	112.96878	6.14486	0.1543356	0.21597182	2.7513002	20	—	—
492844 2014 QL_{332}	16.2	X	30.54427	327.70340	21.91266	17.93070	0.1055049	0.18044641	3.1014912	20	11 20.9	20.6
492845 2014 QT_{332}	16.3	X	342.00934	4.36147	27.03978	16.92396	0.0848892	0.17322119	3.1871465	20	11 2.2	20.4
492846 2014 QW_{332}	16.4	X	148.75681	212.19242	46.11009	6.63581	0.1304715	0.19850938	2.9103732	20	12 16.2	21.2
492847 2014 QT_{336}	17.3	X	116.04215	230.86746	134.14257	4.86263	0.1273719	0.23122137	2.6289605	20	1 2.1	20.7
492848 2014 QA_{337}	15.7	X	301.31176	71.15891	358.10720	17.93619	0.1250279	0.17331937	3.1859428	20	10 13.4	19.9
492849 2014 QO_{338}	17.5	X	269.91917	316.79130	280.99082	3.43229	0.1541679	0.26594332	2.3948408	20	—	—
492850 2014 QZ_{338}	17.3	X	82.01811	222.24723	148.91680	6.77400	0.1743253	0.22543222	2.6737783	20	—	—
492851 2014 QR_{341}	17.2	X	92.06003	19.65630	326.41157	4.76058	0.0465971	0.22214079	2.7001248	20	—	—
492852 2014 QD_{342}	17.4	X	170.01232	317.27838	326.44651	5.88217	0.1253223	0.23545616	2.5973432	20	—	—
492853 2014 QW_{348}	15.9	X	299.77416	78.24405	348.85440	9.62820	0.0842276	0.17421155	3.1750562	20	10 15.1	20.2
492854 2014 QL_{349}	16.1	X	357.28544	232.14173	164.93544	10.70119	0.1055773	0.18756790	3.0224818	20	12 11.1	20.1
492855 2014 QN_{350}	17.2	X	33.11484	316.66317	72.58740	3.06068	0.0622873	0.20226378	2.8742462	20	—	—
492856 2014 QY_{353}	16.2	X	331.81849	40.19343	354.81138	16.26716	0.1540702	0.17283645	3.1918747	20	10 17.9	20.1
492857 2014 QR_{357}	17.2	X	150.55971	157.41725	119.61817	3.11606	0.0232581	0.20437197	2.8544459	20	—	—
492858 2014 QE_{358}	16.2	X	291.57772	25.08833	181.68649	32.09352	0.1605289	0.24052963	2.5606899	20	—	—
492859 2014 QK_{358}	17.7	X	101.69589	166.47149	169.14452	6.53540	0.0634076	0.20952619	2.8074401	20	—	—
492860 2014 QS_{358}	16.2	X	328.35556	54.87500	358.85901	9.11470	0.0643754	0.17818397	3.1276895	20	11 10.7	20.4
492861 2014 QY_{358}	17.8	X	182.39210	16.30947	340.18774	3.95874	0.2400105	0.25931188	2.4354980	20	3 3.8	21.8
492862 2014 QZ_{359}	18.2	X	267.52791	316.20769	336.23039	1.81448	0.2125021	0.27872312	2.3210654	20	2 23.9	21.6
492863 2014 QK_{367}	17.5	X	148.98109	183.01601	146.52468	8.82587	0.2144344	0.22980797	2.6397289	20	1 5.2	21.7
492864 2014 QD_{369}	17.0	X	123.52557	348.45181	337.62058	4.19258	0.1028689	0.21682044	2.7441166	20	—	—
492865 2014 QF_{369}	17.9	X	262.87843	247.34436	31.35420	4.19146	0.1733228	0.27441100	2.3453178	20	2 7.8	21.4
492866 2014 QY_{373}	18.3	X	230.30188	276.37968	32.02605	6.95252	0.1777234	0.26539745	2.3981236	20	2 16.5	22.2
492867 2014 QN_{377}	17.8	X	258.13575	350.96792	275.90704	3.67629	0.1784353	0.26216760	2.4177796	20	1 18.7	21.6
492868 2014 QE_{378}	16.6	X	267.28506	292.15911	188.32059	9.87378	0.0759340	0.18254435	3.0776823	20	11 13.7	20.8
492869 2014 QN_{378}	17.1	X	85.45166	117.92494	200.32070	5.29727	0.0744342	0.19635094	2.9316631	20	12 22.1	21.4
492870 2014 QG_{379}	16.2	X	50.12445	161.67683	176.65857	10.99440	0.0954761	0.18716172	3.0268532	20	12 8.0	20.6
492871 2014 QL_{380}	17.5	X	162.17743	23.20022	285.93064	1.91532	0.1530726	0.23199776	2.6230920	20	—	—
492872 2014 QR_{381}	16.7	X	198.18891	27.27439	201.58120	5.98272	0.0042313	0.20431604	2.8549668	20	—	—
492873 2014 QM_{384}	15.8	X	322.30740	68.65230	326.92704	11.42707	0.0704652	0.17420221	3.1751697	20	10 6.8	20.2
492874 2014 QK_{388}	17.3	X	298.56965	348.88396	153.06247	10.13379	0.1095591	0.21958548	2.7210319	20	—	—
492875 2014 QV_{392}	17.0	X	335.79185	85.49635	53.08802	13.10813	0.0850357	0.23983873	2.5656053	20	—	—
492876 2014 QY_{392}	17.7	X	91.28411	231.76727	128.25730	3.96249	0.1042678	0.21930058	2.7233881	20	—	—
492877 2014 QR_{393}	18.1	X	242.72269	296.26220	13.70244	6.43125	0.2243721	0.27433664	2.3457416	20	2 25.3	21.9
492878 2014 QZ_{395}	16.9	X	75.68784	321.96819	2.17524	4.83583	0.0729539	0.19458435	2.9493803	20	12 17.8	21.2
492879 2014 QN_{396}	18.6	X	246.51556	115.36601	176.52954	1.18461	0.1872505	0.26687692	2.3892524	20	2 6.8	22.4
492880 2014 QM_{397}	17.7	X	177.27519	352.93119	320.82539	1.43286	0.0605214	0.23722891	2.5843876	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492881 2014 QH_{399}	17.0	X	93.16471	174.07847	189.41399	6.02119	0.0351653	0.22287503	2.6941914	20	—	—
492882 2014 QS_{399}	16.5	X	352.85113	206.60180	180.39342	5.21226	0.1355801	0.18104750	3.0946226	20	11 22.2	20.2
492883 2014 QA_{400}	17.4	X	51.27922	337.63323	43.05093	6.20204	0.0792988	0.21432371	2.7653869	20	—	—
492884 2014 QU_{400}	17.1	X	34.70505	306.78312	94.39559	3.33712	0.0818995	0.21326362	2.7745434	20	—	—
492885 2014 QS_{402}	16.8	X	71.31180	341.34077	356.57136	7.87748	0.0850119	0.20376114	2.8601478	20	—	—
492886 2014 QV_{402}	17.0	X	250.92917	239.84769	354.15118	7.98858	0.0151246	0.24084915	2.5584247	20	—	—
492887 2014 QW_{405}	17.4	X	189.29365	121.81356	214.28214	5.04666	0.1229926	0.25818100	2.4426047	20	2 8.6	21.2
492888 2014 QE_{406}	16.8	X	323.94501	223.46718	184.13096	11.07341	0.1080768	0.17938382	3.1137270	20	10 31.8	20.6
492889 2014 QQ_{406}	17.7	X	260.69898	317.58861	305.27231	1.46871	0.1557341	0.26308248	2.4121710	20	1 18.2	21.3
492890 2014 QJ_{410}	16.8	X	27.78835	43.41546	334.11141	12.30269	0.0976382	0.20193514	2.8773638	20	—	—
492891 2014 QC_{412}	18.3	X	304.72638	93.40600	148.23690	5.46335	0.1437199	0.27936661	2.3174999	20	2 7.7	21.2
492892 2014 QD_{413}	18.2	X	242.40639	174.41491	117.91221	2.13043	0.1878266	0.27322094	2.3521232	20	2 3.5	21.8
492893 2014 QV_{414}	17.7	X	226.94946	154.66995	141.08927	7.02017	0.1228828	0.26444798	2.4038602	20	1 27.2	21.3
492894 2014 QM_{415}	17.6	X	58.80361	309.50906	60.21703	1.48099	0.0871685	0.21380660	2.7698440	20	—	—
492895 2014 QA_{416}	16.5	X	357.34551	167.79682	197.85067	9.64062	0.0461228	0.17447745	3.1718296	20	10 24.6	20.7
492896 2014 QH_{422}	18.0	X	210.86995	286.88973	11.48071	1.19385	0.1768662	0.25827837	2.4419908	20	1 16.6	21.9
492897 2014 QA_{424}	16.8	X	311.91201	258.99577	225.07735	6.78396	0.0434481	0.20639985	2.8357186	20	—	—
492898 2014 QD_{425}	18.2	X	251.02093	326.99439	350.74140	5.04491	0.2512722	0.28482041	2.2878207	20	3 8.3	21.9
492899 2014 QX_{425}	17.8	X	241.60642	66.24814	246.23668	4.89368	0.2463879	0.27460047	2.3442389	20	2 21.8	21.7
492900 2014 QE_{426}	17.5	X	129.10788	161.33516	150.48122	2.49060	0.1393846	0.22127583	2.7071567	20	—	—
492901 2014 QM_{428}	16.7	X	7.44906	64.19979	301.74725	9.44460	0.0605841	0.18428183	3.0583067	20	11 6.9	21.0
492902 2014 QB_{429}	16.4	X	344.42556	99.96908	292.24761	8.01345	0.1171111	0.18256490	3.0774513	20	11 10.9	20.2
492903 2014 QL_{431}	16.3	X	345.63305	281.11531	96.15999	17.00571	0.2476050	0.17673109	3.1448076	20	11 9.1	19.7
492904 2014 QU_{431}	16.6	X	53.79187	344.62686	31.30897	11.30304	0.0394517	0.19267556	2.9688275	20	—	—
492905 2014 QD_{432}	16.1	X	334.01073	237.36308	199.23109	9.80082	0.0869414	0.17928823	3.1148336	20	12 20.7	20.2
492906 2014 QJ_{432}	17.4	X	251.96642	260.19464	50.87434	3.02620	0.2481878	0.27100033	2.3649548	20	3 3.4	21.2
492907 2014 QG_{437}	16.4	X	158.86816	231.68737	118.79424	11.31437	0.1647851	0.23840486	2.5758821	20	2 4.2	20.3
492908 2014 QX_{437}	16.7	X	211.64716	133.75118	184.02635	14.92824	0.1346144	0.24175250	2.5520474	20	2 8.4	21.0
492909 2014 QZ_{437}	16.2	X	91.77330	161.04070	137.81702	6.52828	0.1085466	0.17237411	3.1975796	20	12 5.5	21.1
492910 2014 QC_{438}	16.4	X	54.04263	293.38446	58.00066	17.30164	0.1895274	0.18279737	3.0748416	20	—	—
492911 2014 QG_{438}	16.0	X	106.97779	216.73462	86.58204	10.10329	0.0728798	0.17993180	3.1074019	20	12 23.6	20.7
492912 2014 RX_{1}	18.4	X	263.97376	283.45549	30.48898	4.71874	0.2968321	0.29048073	2.2580029	20	3 12.1	22.0
492913 2014 RN_{3}	16.4	X	327.73865	65.67740	356.50791	11.54762	0.1282691	0.18986081	2.9980980	20	11 23.2	20.1
492914 2014 RX_{8}	17.5	X	182.25443	198.92765	126.64799	6.78732	0.1909878	0.25383233	2.4704236	20	1 25.5	21.4
492915 2014 RW_{9}	16.9	X	152.32542	70.76016	225.64682	5.46526	0.0433054	0.21550558	2.7552671	20	—	—
492916 2014 RY_{9}	17.0	X	32.66398	174.00644	211.89555	5.99510	0.0758622	0.19885201	2.9070292	20	—	—
492917 2014 RH_{10}	16.9	X	165.12959	19.33500	231.01869	4.98092	0.0238581	0.19840781	2.9113664	20	12 27.3	21.0
492918 2014 RS_{16}	16.1	X	30.04311	22.45836	349.47971	9.60411	0.0963861	0.18877204	3.0096149	20	12 23.7	20.3
492919 2014 RV_{16}	16.1	X	325.42852	319.52165	105.04430	6.34918	0.2046674	0.17411953	3.1761748	20	11 21.4	19.4
492920 2014 RT_{18}	16.3	X	142.76367	248.01329	94.09799	30.81246	0.2985993	0.23051711	2.6343124	20	1 22.1	20.9
492921 2014 RH_{21}	17.1	X	75.27154	144.19246	196.77703	2.10732	0.2249998	0.20400618	2.8578571	20	—	—
492922 2014 RC_{22}	16.5	X	54.44142	306.92757	42.73551	6.11311	0.0829681	0.19686135	2.9265936	20	12 26.2	20.7
492923 2014 RC_{32}	16.8	X	137.30448	167.15689	162.75180	13.76983	0.1435652	0.23562535	2.5960998	20	—	—
492924 2014 RS_{33}	17.5	X	91.20530	278.57976	73.70119	5.18125	0.1079255	0.21880225	2.7275216	20	—	—
492925 2014 RM_{34}	17.3	X	230.38120	233.99153	52.00511	6.99981	0.1200361	0.25876349	2.4389378	20	1 21.3	21.1
492926 2014 RT_{36}	17.2	X	129.84641	269.50778	35.78332	4.14529	0.0821888	0.21391040	2.7689479	20	—	—
492927 2014 RY_{40}	17.6	X	228.06055	249.38424	64.07593	6.15767	0.2095938	0.27183183	2.3601295	20	2 18.8	21.6
492928 2014 RQ_{41}	16.5	X	53.64066	19.18777	4.49940	6.15009	0.0723200	0.20984742	2.8045744	20	—	—
492929 2014 RL_{45}	17.3	X	95.94672	110.23596	287.97110	1.21418	0.0920844	0.22871482	2.6481333	20	1 13.4	20.5
492930 2014 RV_{45}	16.9	X	123.85495	351.67444	10.34617	12.79861	0.1712238	0.22857803	2.6491897	20	1 18.0	20.9
492931 2014 RO_{46}	17.6	X	98.70333	329.54034	43.76525	2.75185	0.0700218	0.22245774	2.6975596	20	—	—
492932 2014 RQ_{46}	17.3	X	159.30197	169.78328	169.97049	5.61618	0.1448201	0.23956987	2.5675244	20	1 19.2	21.3
492933 2014 RO_{49}	17.5	X	102.03097	318.19940	53.19111	2.44054	0.0920130	0.22253516	2.6969339	20	—	—
492934 2014 RY_{49}	16.8	X	67.77492	40.42680	2.15006	5.72708	0.1451621	0.21746100	2.7387253	20	—	—
492935 2014 RH_{50}	16.3	X	342.26804	28.44222	12.98861	18.25988	0.0950294	0.17713394	3.1400377	20	11 12.9	20.5
492936 2014 RU_{55}	17.1	X	305.37966	93.33830	350.55830	8.72311	0.0678200	0.18082800	3.0971264	20	11 16.4	21.4
492937 2014 RD_{60}	18.3	X	258.77795	100.32565	199.32058	0.98834	0.1890226	0.27561611	2.3384763	20	2 26.7	21.8
492938 2014 RQ_{61}	17.4	X	221.29595	271.34605	23.53006	9.98765	0.2797875	0.26211228	2.4181198	20	1 22.4	21.9
492939 2014 SK	16.2	X	153.04022	251.32301	80.71658	30.43871	0.3069391	0.23081109	2.6320750	20	1 19.0	21.0
492940 2014 SD_{5}	16.6	X	109.86866	249.02353	119.40952	10.83442	0.1317074	0.22064277	2.7123325	20	1 1.5	20.3
492941 2014 SD_{10}	16.7	X	84.14896	196.03133	180.71476	13.35652	0.0546758	0.22466851	2.6798341	20	—	—
492942 2014 SE_{14}	17.7	X	170.14197	254.82254	66.23639	1.96542	0.1032400	0.24221666	2.5487860	20	1 4.5	21.3
492943 2014 SY_{22}	17.0	X	30.53779	224.95596	171.04943	2.05684	0.0668430	0.20456784	2.8526237	20	—	—
492944 2014 SL_{24}	17.3	X	94.71130	330.36021	6.63108	8.51783	0.0566633	0.21013665	2.8020003	20	—	—
492945 2014 SV_{26}	17.5	X	32.41094	298.41481	90.87673	3.28840	0.0764997	0.20251185	2.8718985	20	—	—
492946 2014 SF_{27}	17.7	X	110.39832	229.45441	104.22403	2.05508	0.0666174	0.21634710	2.7481177	20	—	—
492947 2014 SY_{32}	16.7	X	331.43876	229.86148	181.46219	10.58160	0.0737380	0.18572198	3.0424761	20	11 18.9	20.7
492948 2014 SK_{43}	17.0	X	0.95313	298.72960	119.54550	7.18256	0.0475438	0.20330501	2.8644242	20	—	—
492949 2014 SL_{46}	17.2	X	188.63040	219.71876	127.05928	6.84423	0.1111250	0.26234460	2.4166920	20	2 23.6	20.7
492950 2014 SS_{56}	16.3	X	270.89503	308.04607	151.43774	12.12851	0.0634932	0.17745831	3.1362102	20	10 26.5	20.8
492951 2014 SW_{56}	16.9	X	61.67849	229.78740	124.41530	6.83667	0.0775809	0.20325940	2.8648527	20	—	—
492952 2014 SL_{62}	17.4	X	159.72138	213.60425	62.02794	5.34016	0.0388074	0.21473684	2.7618389	20	—	—
492953 2014 SJ_{74}	17.3	X	286.89497	198.06509	44.62445	7.44343	0.0716977	0.26655379	2.3911830	20	2 1.9	20.5
492954 2014 SB_{85}	17.8	X	340.69345	273.07912	212.59241	2.94225	0.0506276	0.22165413	2.7040756	20	—	—
492955 2014 SM_{89}	17.1	X	266.99499	234.12055	321.22032	3.65126	0.0359178	0.22190472	2.7020395	20	—	—
492956 2014 ST_{92}	17.2	X	170.87387	28.26743	238.01373	4.22769	0.0773287	0.21304471	2.7764437	20	—	—
492957 2014 SG_{94}	17.5	X	236.99897	344.11150	250.12292	1.78518	0.0986351	0.22941410	2.6427494	20	—	—
492958 2014 SP_{95}	17.3	X	141.83400	48.18185	276.07952	1.60304	0.1098186	0.22615473	2.6680805	20	—	—
492959 2014 SP_{96}	17.2	X	109.03344	18.81433	335.98569	4.10581	0.0389490	0.22131384	2.7068468	20	—	—
492960 2014 SJ_{98}	16.9	X	180.91586	78.19839	198.58141	2.46129	0.0104867	0.21937004	2.7228132	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492961 2014 SW_{99}	17.0	X	311.24973	79.85815	353.40352	3.49231	0.1079718	0.17820138	3.1274858	20	11 10.2	20.8
492962 2014 SC_{112}	17.3	X	124.96671	316.32703	12.84730	2.84397	0.0945846	0.21854472	2.7296639	20	—	—
492963 2014 SK_{112}	17.1	X	341.60751	96.73001	8.99142	3.89814	0.0607739	0.20860282	2.8157187	20	—	—
492964 2014 SV_{116}	17.1	X	83.51572	158.93653	173.39614	2.03979	0.0547402	0.19758023	2.9194904	20	—	—
492965 2014 SA_{118}	16.4	X	236.41693	325.58087	179.07621	11.44229	0.1000181	0.17593971	3.1542308	20	11 1.1	21.0
492966 2014 SN_{129}	16.8	X	226.02594	158.78209	2.11505	6.79872	0.0457587	0.18331391	3.0690627	20	11 12.9	21.3
492967 2014 SN_{134}	16.8	X	3.90879	329.06361	51.21566	8.83040	0.1625396	0.17659679	3.1464018	20	12 1.2	20.5
492968 2014 SL_{135}	15.6	X	251.32563	30.37368	132.81232	10.53914	0.0495581	0.17457558	3.1706409	20	12 16.4	20.2
492969 2014 SX_{137}	16.0	X	325.02353	30.22887	13.59649	11.68072	0.1571985	0.17399797	3.1776539	20	10 21.6	19.6
492970 2014 SB_{140}	17.5	X	220.02399	66.01248	189.43464	3.97356	0.0571532	0.22678622	2.6631253	20	—	—
492971 2014 SL_{144}	16.7	X	141.45698	142.06230	192.91070	34.58158	0.2005733	0.21629316	2.7485746	20	1 1.9	21.7
492972 2014 SV_{147}	16.4	X	63.08884	292.07268	30.75532	22.48008	0.1843026	0.18481316	3.0524422	20	12 9.2	21.3
492973 2014 SW_{147}	16.4	X	140.23674	299.62509	39.74061	15.07322	0.1407436	0.22502046	2.6770391	20	1 1.8	20.6
492974 2014 SA_{148}	15.9	X	188.52946	197.13187	63.36787	10.15866	0.0831925	0.20614760	2.8380314	20	—	—
492975 2014 SP_{148}	15.8	X	316.98568	347.01426	117.17592	11.20419	0.0704606	0.17751657	3.1355239	20	12 29.8	19.8
492976 2014 SM_{152}	17.8	X	262.88075	325.80057	320.42593	0.97971	0.1878358	0.26967178	2.3727157	20	2 14.8	21.3
492977 2014 ST_{153}	16.0	X	298.65163	132.21637	352.87539	9.72718	0.0890706	0.19190925	2.9767254	20	—	—
492978 2014 SL_{154}	18.2	X	158.51974	102.13824	350.81256	5.36207	0.1970285	0.27793636	2.3254436	20	6 10.5	21.9
492979 2014 SV_{154}	16.9	X	135.09150	347.48699	333.01383	3.69418	0.0580051	0.21488182	2.7605965	20	—	—
492980 2014 SY_{155}	16.8	X	80.55575	7.93554	359.20671	4.04798	0.0828318	0.20942435	2.8083502	20	—	—
492981 2014 SK_{157}	16.3	X	333.58622	240.91288	202.67238	18.12104	0.2564047	0.18099037	3.0952738	20	—	—
492982 2014 SM_{158}	16.2	X	332.98968	26.18618	26.51603	9.60753	0.0738013	0.17428893	3.1741164	20	11 16.3	20.4
492983 2014 SD_{159}	17.4	X	206.22161	122.45931	163.35891	2.81816	0.1369588	0.23547352	2.5972156	20	—	—
492984 2014 SZ_{160}	17.6	X	237.09114	315.17492	342.71478	3.27919	0.2347657	0.26365625	2.4086702	20	2 5.1	21.6
492985 2014 SB_{161}	17.4	X	168.00650	342.69650	340.68139	3.75200	0.0442684	0.23126299	2.6286452	20	1 1.8	21.2
492986 2014 SG_{163}	16.3	X	28.98706	354.42537	52.88641	6.64698	0.0748422	0.20298101	2.8674715	20	—	—
492987 2014 SX_{164}	16.3	X	313.95185	26.49912	34.09038	9.49647	0.0555869	0.16996412	3.2277351	20	10 31.2	20.5
492988 2014 SP_{165}	16.3	X	142.08760	79.50790	178.90268	9.46571	0.0205093	0.18673623	3.0314495	20	12 9.1	20.8
492989 2014 SD_{166}	16.4	X	178.63432	312.29039	318.69915	12.32316	0.2374690	0.22401877	2.6850133	20	—	—
492990 2014 SS_{169}	17.4	X	159.60839	49.82789	248.42898	13.18012	0.2183471	0.23232771	2.6206079	20	—	—
492991 2014 SC_{172}	17.5	X	146.44518	242.88559	55.43630	1.55724	0.0302102	0.21573133	2.7533446	20	—	—
492992 2014 SQ_{173}	17.4	X	165.63046	176.33505	112.37582	3.01413	0.0599482	0.22204617	2.7008919	20	—	—
492993 2014 ST_{179}	17.5	X	113.02211	234.34269	129.23810	3.54679	0.0559981	0.22843615	2.6502865	20	—	—
492994 2014 SD_{186}	17.0	X	155.30090	238.13968	87.59098	5.54664	0.1880856	0.23619543	2.5919208	20	1 3.7	20.9
492995 2014 SW_{186}	17.4	X	86.05086	250.53836	106.42365	5.23064	0.0864743	0.21243801	2.7817274	20	—	—
492996 2014 SZ_{189}	17.3	X	311.18125	288.16661	162.16455	6.39081	0.1099243	0.18598455	3.0396119	20	12 5.9	21.1
492997 2014 SZ_{190}	16.9	X	269.65646	84.04039	74.16412	2.98839	0.0104490	0.20367876	2.8609189	20	—	—
492998 2014 SE_{191}	17.0	X	252.64572	352.14382	150.00050	5.23882	0.0533417	0.18584522	3.0411309	20	11 25.1	21.3
492999 2014 SN_{192}	17.7	X	212.27558	292.46828	28.91073	7.20469	0.1643820	0.26058527	2.4275572	20	2 17.2	21.6
493000 2014 SK_{194}	16.9	X	83.93148	266.55765	83.98467	5.42597	0.1176430	0.20838798	2.8176537	20	—	—
493001 2014 SZ_{202}	17.4	X	114.35221	247.77318	81.15460	3.15274	0.0845646	0.21371236	2.7706583	20	—	—
493002 2014 SN_{206}	17.9	X	172.98600	308.32035	118.77677	3.37282	0.1602517	0.26783060	2.3835774	20	5 21.7	21.5
493003 2014 SL_{207}	17.0	X	144.71593	287.81055	96.62572	4.76620	0.2048672	0.23962465	2.5671331	20	3 7.8	21.0
493004 2014 ST_{207}	16.9	X	196.85718	83.80407	201.95575	13.00572	0.1833266	0.22024523	2.7155953	20	—	—
493005 2014 SC_{208}	16.5	X	9.81068	232.81375	197.41433	13.95251	0.1444793	0.18764550	3.0216485	20	—	—
493006 2014 SD_{210}	16.7	X	184.88869	135.04973	161.39082	8.96205	0.0835965	0.21432719	2.7653570	20	—	—
493007 2014 SP_{210}	17.9	X	142.38661	309.60553	169.68671	5.96279	0.0610178	0.27601917	2.3361993	20	6 22.6	21.0
493008 2014 SH_{211}	17.3	X	180.69042	276.88887	64.24252	14.06570	0.2022083	0.24064281	2.5598870	20	2 19.4	21.8
493009 2014 SG_{212}	16.8	X	38.09045	258.16317	120.54402	11.14398	0.0790925	0.18078786	3.0975848	20	—	—
493010 2014 SW_{212}	16.6	X	120.29851	289.71642	85.82750	15.54689	0.0783876	0.21923526	2.7239290	20	1 16.6	20.4
493011 2014 SB_{213}	16.5	X	111.83515	226.60518	103.62608	11.75642	0.0673020	0.19279543	2.9675967	20	—	—
493012 2014 SG_{214}	16.6	X	15.99458	201.23415	207.29014	15.04997	0.0605963	0.18100612	3.0950943	20	—	—
493013 2014 SH_{214}	15.9	X	349.75253	5.50556	72.36092	12.74084	0.0711899	0.18110972	3.0939137	20	—	—
493014 2014 SU_{214}	16.9	X	167.08945	239.98544	91.00083	6.88706	0.0826621	0.22143637	2.7058481	20	1 15.1	20.8
493015 2014 SW_{215}	15.6	X	23.94390	317.28015	90.54293	10.54774	0.0784707	0.18326891	3.0695651	20	—	—
493016 2014 SF_{216}	16.6	X	88.09604	216.13651	122.06003	8.63559	0.1687465	0.18917785	3.0053094	20	—	—
493017 2014 SJ_{217}	16.1	X	31.51504	232.56494	141.06915	9.82320	0.2487452	0.17909721	3.1170481	20	—	—
493018 2014 ST_{217}	15.9	X	246.56142	56.96590	122.21342	11.94440	0.0391935	0.17824695	3.1269526	20	12 31.1	20.3
493019 2014 SO_{218}	16.6	X	57.84390	223.93434	161.59433	9.73135	0.0832383	0.19268336	2.9687474	20	—	—
493020 2014 SW_{218}	16.4	X	105.88719	279.57909	102.05273	9.60730	0.1234315	0.21504436	2.7592052	20	1 12.9	19.9
493021 2014 SE_{219}	16.0	X	319.18209	24.42295	84.67235	11.58773	0.0558949	0.17783118	3.1318246	20	—	—
493022 2014 SO_{219}	15.7	X	34.68482	284.67676	129.76532	10.55244	0.0695651	0.19128212	2.9832281	20	—	—
493023 2014 SR_{220}	16.5	X	101.61759	202.61717	117.30951	22.99574	0.0777432	0.18735717	3.0247478	20	—	—
493024 2014 SU_{222}	17.3	X	157.79016	200.10166	131.73810	6.54720	0.2049264	0.23878375	2.5731565	20	1 14.0	21.3
493025 2014 SY_{222}	16.7	X	88.64252	334.29124	26.37376	10.42725	0.1368384	0.20964086	2.8064163	20	—	—
493026 2014 SL_{223}	16.4	X	15.11879	32.50226	23.98576	15.58479	0.1336502	0.20399118	2.8579971	20	—	—
493027 2014 SM_{224}	17.2	X	1.64731	89.49548	14.82601	22.18941	0.0342850	0.22529009	2.6749027	20	—	—
493028 2014 SX_{226}	17.4	X	109.85615	275.16918	97.40839	4.42716	0.1325190	0.22490726	2.6779373	20	1 5.9	20.8
493029 2014 SC_{227}	16.3	X	76.82089	287.60067	68.79770	11.43118	0.1051412	0.20102485	2.8860436	20	—	—
493030 2014 SG_{227}	16.0	X	97.00639	206.87460	90.51961	10.50424	0.1755394	0.18800373	3.0178089	20	12 16.1	20.9
493031 2014 SJ_{229}	17.1	X	245.55789	79.40322	197.23216	9.84206	0.2326587	0.25803172	2.4435467	20	1 15.6	21.4
493032 2014 SD_{230}	16.9	X	330.45804	355.49668	118.03627	3.17400	0.0187102	0.20311368	2.8662227	20	—	—
493033 2014 SK_{233}	17.5	X	257.80685	207.58493	82.81778	2.50144	0.1758801	0.26566705	2.3965008	20	2 17.6	21.2
493034 2014 SL_{233}	17.0	X	62.42989	347.19567	49.35682	7.16804	0.0266040	0.21207032	2.7849418	20	—	—
493035 2014 SA_{234}	16.8	X	124.80776	325.69552	32.60921	8.57433	0.1768428	0.22882338	2.6472957	20	1 13.3	20.7
493036 2014 SG_{234}	16.7	X	82.16799	269.28051	46.69360	10.37129	0.0715065	0.18631984	3.0359642	20	12 12.4	21.2
493037 2014 SA_{253}	16.4	X	88.90499	324.03863	337.98234	10.46385	0.0946542	0.18994493	2.9972128	20	12 5.9	21.1
493038 2014 SM_{253}	16.1	X	108.37468	95.90937	213.50133	11.35976	0.0187494	0.19869982	2.9085134	20	12 31.8	20.4
493039 2014 SR_{253}	17.0	X	87.07008	139.56093	229.90307	5.18814	0.0748176	0.21641520	2.7475412	20	—	—
493040 2014 SH_{254}	17.2	X	198.89172	343.18722	299.79576	4.23353	0.1847571	0.23876187	2.5733137	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493041 2014 SU_{256}	16.3	X	40.51367	161.62219	193.91250	16.47138	0.1221311	0.18735400	3.0247819	20	12 19.3	20.8
493042 2014 SA_{257}	16.4	X	54.35963	312.54255	29.47381	13.27751	0.1183665	0.18190297	3.0849125	20	12 16.8	21.0
493043 2014 SG_{257}	17.9	X	275.37010	130.97558	165.99629	1.08736	0.2371845	0.28190531	2.3035654	20	3 5.5	21.2
493044 2014 ST_{257}	17.1	X	91.63329	255.37816	90.25505	3.32692	0.1132430	0.20607159	2.8387292	20	—	—
493045 2014 SA_{263}	17.5	X	207.87186	329.80306	355.29911	12.82606	0.3577004	0.26333022	2.4106579	20	2 17.9	22.2
493046 2014 SJ_{263}	17.1	X	124.48362	255.28374	101.43362	12.22538	0.3156141	0.23191597	2.6237087	20	1 26.5	21.2
493047 2014 SA_{264}	17.2	X	135.50619	46.77131	296.98514	3.12705	0.1038476	0.22791597	2.6543176	20	—	—
493048 2014 SO_{265}	17.8	X	272.63559	145.17663	138.30529	6.58703	0.2135698	0.27305996	2.3530475	20	2 18.5	21.4
493049 2014 SZ_{265}	16.2	X	349.76222	225.86885	232.47652	14.22284	0.1118664	0.20603304	2.8390833	20	—	—
493050 2014 SX_{266}	15.8	X	57.88647	77.29689	269.07715	10.53437	0.1286158	0.19042026	2.9922230	20	12 30.2	20.1
493051 2014 SU_{278}	16.4	X	33.74574	156.74398	274.05617	5.20377	0.0436631	0.21629243	2.7485808	20	—	—
493052 2014 SP_{279}	16.1	X	42.27398	305.51106	38.98120	11.02637	0.1322906	0.17986994	3.1081144	20	12 6.7	20.6
493053 2014 SW_{279}	16.2	X	323.01800	349.35120	84.25999	2.54038	0.1639497	0.17534869	3.1613145	20	11 28.6	19.5
493054 2014 SM_{280}	16.9	X	102.99525	217.64927	117.86299	3.86081	0.0598060	0.20297119	2.8675640	20	—	—
493055 2014 SJ_{281}	16.3	X	356.03066	353.15840	42.91427	11.18655	0.0676913	0.17593637	3.1542707	20	11 28.9	20.4
493056 2014 SN_{281}	16.4	X	331.13289	25.62977	41.26614	15.07651	0.0738594	0.17671552	3.1449923	20	12 1.2	20.5
493057 2014 SO_{281}	17.6	X	135.80960	295.01740	72.50956	3.67740	0.1694623	0.23382990	2.6093722	20	2 3.4	21.4
493058 2014 SR_{281}	16.7	X	34.14257	285.57706	79.73082	4.58666	0.1465710	0.18290964	3.0735833	20	12 25.9	20.9
493059 2014 SV_{281}	16.8	X	34.38469	317.32726	46.66357	10.47089	0.1402380	0.18217825	3.0818041	20	12 23.2	21.1
493060 2014 SY_{281}	16.2	X	290.02019	61.74304	54.47327	10.31047	0.0376125	0.17994594	3.1072391	20	12 9.5	20.4
493061 2014 SF_{282}	17.2	X	93.54377	274.06063	101.08099	4.25996	0.0832739	0.21509007	2.7588144	20	—	—
493062 2014 SK_{282}	17.0	X	156.60681	206.27973	130.33150	4.26286	0.2343049	0.23551729	2.5968938	20	1 21.5	21.3
493063 2014 SP_{283}	16.5	X	3.04968	172.35082	204.05675	17.48401	0.2090803	0.17630255	3.1499016	20	12 2.0	20.3
493064 2014 SD_{287}	16.7	X	24.41759	321.75434	42.79315	5.69875	0.1299853	0.18014507	3.1049489	20	12 8.8	20.7
493065 2014 SK_{287}	16.1	X	36.82760	337.97538	23.30237	11.62788	0.1559722	0.18391628	3.0623578	20	12 26.1	20.5
493066 2014 SP_{292}	15.9	X	120.61950	263.56994	20.56887	9.60764	0.0355735	0.18245147	3.0787267	20	12 13.0	20.5
493067 2014 SC_{293}	16.2	X	143.59085	83.36729	218.52556	13.98551	0.1474525	0.20337632	2.8637545	20	—	—
493068 2014 SE_{293}	16.2	X	337.70096	19.14612	39.16887	29.81040	0.2766689	0.17453525	3.1711293	20	12 2.0	19.5
493069 2014 SH_{297}	16.8	X	301.03723	300.73048	195.40404	14.14685	0.0699003	0.20902654	2.8119122	20	—	—
493070 2014 SV_{297}	16.3	X	211.42916	38.65689	232.15734	10.90866	0.0353004	0.22195927	2.7015967	20	—	—
493071 2014 SX_{297}	16.5	X	304.44995	209.25284	243.05943	8.44450	0.0650330	0.17542256	3.1604270	20	11 27.2	20.4
493072 2014 SG_{299}	16.2	X	263.98164	278.85938	239.06632	8.71514	0.0656982	0.18579381	3.0416919	20	12 25.2	20.4
493073 2014 SO_{300}	16.7	X	354.75851	198.86869	224.66235	8.48345	0.0753622	0.18592200	3.0402936	20	—	—
493074 2014 SU_{300}	16.3	X	348.05765	36.34208	19.53161	11.10439	0.0854368	0.17886379	3.1197594	20	12 14.4	20.5
493075 2014 SD_{301}	16.4	X	14.34141	97.02923	282.53723	1.74167	0.1459174	0.17767750	3.1336303	20	12 15.2	20.4
493076 2014 SF_{301}	16.7	X	124.90664	103.73888	252.41580	4.90502	0.0303997	0.21913310	2.7247755	20	—	—
493077 2014 SQ_{307}	16.5	X	60.57888	120.64149	211.62942	10.61255	0.0968451	0.17730962	3.1379632	20	12 10.1	21.1
493078 2014 SB_{308}	15.7	X	28.08382	114.00483	215.55245	9.39447	0.0550509	0.15826016	3.3849712	20	10 17.4	20.4
493079 2014 SU_{309}	16.7	X	59.61198	165.95105	215.15188	15.98501	0.0477420	0.19557170	2.9394452	20	—	—
493080 2014 SP_{310}	16.1	X	74.42871	281.65069	46.43176	12.63209	0.0663010	0.17729060	3.1381877	20	12 15.4	20.8
493081 2014 SX_{314}	16.7	X	348.56255	4.96707	56.95944	7.13036	0.0840092	0.18266567	3.0763194	20	12 24.7	20.7
493082 2014 SZ_{314}	16.3	X	304.16163	220.91909	186.98711	10.03190	0.0913791	0.15542669	3.4259865	20	9 26.2	20.8
493083 2014 SJ_{315}	16.9	X	130.38782	220.06490	126.44672	3.97954	0.0902961	0.21962250	2.7207261	20	—	—
493084 2014 SC_{316}	17.0	X	124.33251	218.54628	116.76679	4.58677	0.1980819	0.21750996	2.7383143	20	—	—
493085 2014 SM_{316}	17.2	X	103.12046	264.12758	104.32779	5.65082	0.1348371	0.21672156	2.7449512	20	—	—
493086 2014 SQ_{317}	16.5	X	29.67961	350.48779	20.47421	16.22154	0.1097694	0.18611607	3.0381798	20	12 21.9	20.9
493087 2014 SC_{318}	16.3	X	329.71435	13.37419	34.97740	4.84955	0.1222725	0.17100193	3.2146624	20	11 6.4	20.3
493088 2014 SW_{318}	17.2	X	129.02729	198.41681	132.41751	1.53646	0.0727928	0.21460398	2.7629787	20	—	—
493089 2014 SS_{319}	16.9	X	126.94398	65.09573	206.37554	4.71098	0.0521956	0.18414916	3.0597754	20	12 7.5	21.4
493090 2014 SC_{320}	17.2	X	114.24091	0.89128	353.04282	1.64396	0.0929760	0.21763500	2.7372653	20	—	—
493091 2014 SF_{320}	17.1	X	230.50373	33.95101	206.71517	4.28416	0.0518199	0.21780062	2.7358775	20	—	—
493092 2014 SL_{320}	17.2	X	146.02191	325.40719	16.83199	4.12354	0.1088506	0.22868548	2.6483598	20	1 7.7	21.0
493093 2014 SY_{320}	16.0	X	327.43083	43.09800	21.55856	22.42300	0.0387021	0.17888454	3.1195181	20	11 19.2	20.5
493094 2014 ST_{324}	17.4	X	136.80369	113.71840	189.05200	5.34451	0.0558938	0.21389995	2.7690380	20	—	—
493095 2014 SL_{326}	17.2	X	220.62007	109.35025	175.61921	8.38663	0.1271070	0.24013202	2.5635158	20	1 10.3	21.4
493096 2014 SP_{326}	16.0	X	20.59155	193.12816	185.64845	10.59734	0.0900016	0.18178413	3.0862569	20	12 16.9	20.3
493097 2014 SB_{328}	16.3	X	337.10282	23.57010	56.26512	10.05882	0.1230173	0.18325399	3.0697317	20	—	—
493098 2014 SO_{330}	16.0	X	21.96204	147.67588	225.13526	10.12585	0.0746624	0.17863594	3.1224117	20	12 8.5	20.2
493099 2014 SR_{333}	16.5	X	336.52396	55.92078	0.09501	7.89723	0.0627492	0.17780688	3.1321100	20	11 26.0	20.8
493100 2014 SL_{334}	16.9	X	161.43674	323.18092	329.45716	3.00709	0.0748079	0.21282413	2.7783618	20	—	—
493101 2014 ST_{337}	16.1	X	81.09219	242.78375	82.02817	4.92726	0.1027213	0.18689335	3.0297502	20	12 26.1	20.7
493102 2014 SX_{338}	17.0	X	197.70066	141.09847	155.28050	5.65823	0.1975855	0.23662158	2.5888078	20	1 5.6	21.3
493103 2014 SM_{341}	17.1	X	338.03757	99.54206	337.73338	3.68617	0.1204412	0.18753761	3.0228073	20	—	—
493104 2014 SF_{345}	16.5	X	109.34102	193.07721	204.67550	21.75359	0.0598348	0.23419914	2.6066288	20	1 19.7	20.5
493105 2014 SW_{347}	16.2	X	266.64029	313.95858	191.79346	17.13834	0.1102483	0.18115825	3.0933612	20	12 7.9	20.6
493106 2014 SF_{348}	18.6	X	218.82795	9.93078	52.96811	8.31233	0.1293942	0.29331691	2.2434238	20	7 3.6	21.8
493107 2014 SY_{348}	17.1	X	179.80188	178.68835	134.89349	17.92142	0.1561406	0.24056027	2.5604725	20	1 8.8	21.3
493108 2014 TB_{4}	17.2	X	335.53736	341.35269	86.40328	1.27372	0.2315931	0.17596917	3.1538787	20	12 17.2	20.0
493109 2014 TS_{6}	16.9	X	74.88264	217.21490	176.19686	3.79914	0.1021799	0.21346399	2.7728069	20	—	—
493110 2014 TY_{6}	16.6	X	24.60375	343.17537	36.57540	10.49041	0.0870714	0.18304350	3.0720846	20	12 22.5	20.9
493111 2014 TN_{7}	17.6	X	249.60468	135.97023	184.09347	4.85169	0.2412491	0.27461024	2.3441833	20	3 10.7	21.5
493112 2014 TZ_{7}	15.9	X	268.49268	113.37744	47.66904	10.58293	0.0478800	0.19054665	2.9908996	20	—	—
493113 2014 TG_{8}	17.3	X	110.92227	290.68950	100.44270	2.60680	0.0996882	0.22857016	2.6492505	20	1 25.7	20.7
493114 2014 TH_{13}	16.8	X	24.61198	163.87884	274.29197	4.31225	0.0204991	0.21177795	2.7875044	20	—	—
493115 2014 TT_{13}	16.0	X	72.14892	350.82216	1.04056	9.35798	0.0380148	0.19461426	2.9490781	20	—	—
493116 2014 TK_{16}	15.7	X	155.76608	185.32951	10.27165	9.86800	0.0043013	0.15812704	3.3868708	20	10 4.3	20.5
493117 2014 TH_{21}	16.4	X	302.43436	90.61570	32.96793	12.08458	0.0890756	0.18766033	3.0214893	20	—	—
493118 2014 TM_{24}	17.1	X	160.44554	124.28107	206.91882	14.73679	0.1571746	0.23235624	2.6203934	20	1 10.1	21.5
493119 2014 TF_{26}	16.1	X	274.68101	104.71379	27.25693	9.02604	0.0973822	0.17730997	3.1379590	20	11 30.3	20.3
493120 2014 TV_{26}	16.4	X	357.74565	11.82916	32.89689	11.99568	0.0839206	0.18150855	3.0893799	20	12 14.9	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493121 2014 TJ_{27}	16.5	X	170.88295	247.57251	29.87074	7.52575	0.1491315	0.21144616	2.7904196	20	—	—
493122 2014 TX_{28}	16.7	X	142.98810	154.80034	156.16233	5.79505	0.0796722	0.20971752	2.8057324	20	—	—
493123 2014 TE_{29}	16.5	X	94.04052	251.09083	120.16785	5.00582	0.0817887	0.21210221	2.7846627	20	—	—
493124 2014 TG_{32}	15.7	X	310.81176	222.75752	227.16351	16.72444	0.1967550	0.17222238	3.1994574	20	11 24.3	19.2
493125 2014 TN_{36}	16.9	X	100.75417	335.54694	31.11288	6.75616	0.0641031	0.21451445	2.7637474	20	—	—
493126 2014 TA_{38}	16.3	X	331.84407	51.71684	11.01971	11.37381	0.0765045	0.18083245	3.0970756	20	11 27.9	20.4
493127 2014 TV_{38}	16.0	X	275.60681	82.99282	25.91068	9.79673	0.0814137	0.17451831	3.1713345	20	11 4.9	20.4
493128 2014 TF_{39}	16.3	X	57.47306	290.90112	37.88958	8.69921	0.0971466	0.17758950	3.1346654	20	12 1.0	20.8
493129 2014 TL_{39}	16.9	X	88.17776	325.68642	45.45829	4.09564	0.1035691	0.21149036	2.7900308	20	—	—
493130 2014 TG_{40}	17.2	X	162.48975	184.17820	152.65481	2.35005	0.1664855	0.23419858	2.6066329	20	1 21.8	21.4
493131 2014 TN_{40}	16.9	X	103.82283	196.61608	166.32174	4.06761	0.1101300	0.21380557	2.7698529	20	—	—
493132 2014 TR_{42}	16.6	X	164.64071	271.05859	40.17608	11.89051	0.2005197	0.22618689	2.6678276	20	—	—
493133 2014 TO_{43}	16.5	X	90.38685	102.12126	210.69830	10.97843	0.1243652	0.18695253	3.0291107	20	12 22.9	21.3
493134 2014 TB_{44}	17.2	X	2.67387	235.04964	175.40555	1.66196	0.1099724	0.18229682	3.0804676	20	—	—
493135 2014 TH_{44}	16.7	X	24.87658	338.78494	41.72303	11.40779	0.0472319	0.18067891	3.0988299	20	12 17.4	21.0
493136 2014 TA_{45}	15.8	X	341.09674	153.37978	214.42144	7.52152	0.1000301	0.15647964	3.4106004	20	9 29.7	20.1
493137 2014 TJ_{45}	16.9	X	37.40108	357.50627	41.15217	7.89582	0.1254702	0.19253368	2.9702858	20	—	—
493138 2014 TT_{45}	16.2	X	250.81726	286.36878	230.44850	2.43091	0.0770295	0.17644722	3.1481796	20	12 3.9	20.6
493139 2014 TO_{46}	16.7	X	102.53081	325.41848	16.70775	1.92913	0.0739918	0.20352123	2.8623951	20	—	—
493140 2014 TX_{46}	16.6	X	17.16476	343.79510	28.94063	10.55648	0.1310009	0.17637823	3.1490005	20	12 6.8	20.8
493141 2014 TZ_{46}	17.0	X	177.11419	290.08827	29.13827	12.05762	0.2142673	0.23706570	2.5855736	20	1 19.6	21.5
493142 2014 TS_{47}	16.4	X	7.95545	45.92647	357.64716	2.93263	0.1209988	0.18359109	3.0659729	20	—	—
493143 2014 TE_{48}	16.5	X	304.03407	94.93910	23.48841	10.88035	0.0851227	0.18407078	3.0606440	20	12 30.7	20.5
493144 2014 TP_{51}	16.5	X	209.81684	310.62368	249.86620	8.81792	0.0538805	0.18914588	3.0056481	20	12 13.8	20.8
493145 2014 TH_{52}	17.2	X	208.53489	304.76678	37.78849	16.51274	0.3031100	0.26150314	2.4218734	20	3 14.3	21.9
493146 2014 TN_{52}	16.2	X	48.45586	29.20322	352.64641	11.64030	0.0691393	0.19767742	2.9185334	20	—	—
493147 2014 TE_{54}	16.7	X	13.65595	282.23166	130.07463	4.31843	0.1107059	0.18303590	3.0721696	20	—	—
493148 2014 TL_{62}	16.0	X	275.52256	112.29640	13.24852	9.02426	0.0622681	0.17492027	3.1664742	20	11 26.9	20.5
493149 2014 TH_{65}	16.0	X	55.77648	137.65763	215.63784	13.25642	0.0907130	0.18769979	3.0210658	20	12 29.3	20.5
493150 2014 TP_{66}	16.2	X	190.60956	80.10170	221.53084	17.92255	0.0871399	0.22601331	2.6691934	20	—	—
493151 2014 TA_{67}	16.1	X	175.38741	216.50796	40.34062	10.82738	0.0558485	0.19173952	2.9784818	20	—	—
493152 2014 TL_{67}	16.0	X	274.04768	280.54075	216.08310	21.41849	0.1550804	0.18217426	3.0818491	20	11 30.3	20.1
493153 2014 TR_{67}	16.3	X	160.26222	12.49925	219.60078	11.53584	0.0265583	0.17268288	3.1937667	20	11 25.1	21.0
493154 2014 TH_{68}	16.6	X	130.61867	289.38147	39.48231	10.73171	0.1431146	0.21198758	2.7856664	20	—	—
493155 2014 TJ_{68}	16.2	X	202.01194	223.82301	41.78556	12.00118	0.1165279	0.21238684	2.7821742	20	—	—
493156 2014 TX_{70}	16.5	X	43.95831	253.56111	123.52150	3.96118	0.0805007	0.18586915	3.0408699	20	—	—
493157 2014 TG_{71}	17.3	X	74.14247	267.30502	200.51099	10.79243	0.1618976	0.23497893	2.6008588	20	3 22.2	20.3
493158 2014 TS_{72}	16.3	X	36.77742	336.16394	49.48604	16.02873	0.0631697	0.18632053	3.0359567	20	—	—
493159 2014 TY_{72}	16.0	X	68.60729	221.07179	106.73262	2.67117	0.1602889	0.18162366	3.0880744	20	12 21.9	20.6
493160 2014 TZ_{72}	16.4	X	38.23772	270.92345	82.13931	4.31695	0.2019933	0.17890023	3.1193357	20	12 23.1	20.7
493161 2014 TZ_{73}	17.0	X	46.52411	211.86470	182.69112	7.41659	0.1389652	0.19511829	2.9439972	20	—	—
493162 2014 TN_{74}	17.3	X	158.12928	221.25026	110.57967	5.83119	0.1867500	0.22811897	2.6527426	20	1 14.5	21.4
493163 2014 TP_{74}	16.8	X	123.17690	249.52345	94.78391	6.86130	0.0590592	0.20976592	2.8053007	20	—	—
493164 2014 TW_{74}	16.4	X	349.51084	352.47734	75.07337	12.68370	0.1104142	0.17907303	3.1173286	20	—	—
493165 2014 TJ_{82}	17.4	X	130.95571	281.93606	48.06082	8.02731	0.2352213	0.21644366	2.7473004	20	—	—
493166 2014 TU_{82}	16.3	X	47.83030	178.03308	205.78985	14.97946	0.1416140	0.20517785	2.8469668	20	—	—
493167 2014 TY_{83}	16.9	X	163.38190	265.79152	66.94380	4.64830	0.1082192	0.22722735	2.6596775	20	1 14.8	20.8
493168 2014 TL_{84}	16.6	X	149.49189	294.48090	52.23038	12.25265	0.1942544	0.22476786	2.6790444	20	1 28.5	21.0
493169 2014 TN_{84}	15.8	X	47.52613	317.97575	17.38984	27.64110	0.1364529	0.17837185	3.1254928	20	11 24.3	20.6
493170 2014 TH_{85}	15.9	X	122.12997	275.81247	60.65390	17.44797	0.2089837	0.21967204	2.7203171	20	—	—
493171 2014 UF_{1}	16.1	X	180.90185	36.89631	205.57641	9.02656	0.1058324	0.18180992	3.0859650	20	12 25.6	21.0
493172 2014 US_{1}	16.4	X	349.01788	246.01358	196.41073	8.86272	0.0915392	0.18408546	3.0604812	20	—	—
493173 2014 UX_{2}	16.8	X	76.51697	322.32119	67.64467	5.53756	0.0696859	0.21984507	2.7188895	20	—	—
493174 2014 UE_{4}	16.3	X	58.83995	292.24698	74.02223	12.38196	0.0592749	0.18508500	3.0494527	20	—	—
493175 2014 UR_{4}	16.6	X	63.27070	145.92739	224.04747	15.36709	0.1626150	0.19128041	2.9832459	20	—	—
493176 2014 UF_{9}	16.4	X	54.21805	324.61445	71.62812	11.06388	0.1194092	0.20078281	2.8883625	20	—	—
493177 2014 UC_{10}	16.7	X	65.94354	312.90319	56.91360	11.79802	0.0747439	0.19009146	2.9956724	20	—	—
493178 2014 UU_{11}	16.6	X	106.39032	38.59735	253.16978	7.32842	0.0785224	0.17979249	3.1090068	20	12 10.0	21.2
493179 2014 UB_{12}	16.3	X	27.37495	74.69272	282.98510	4.40209	0.1330466	0.17594022	3.1542247	20	12 3.9	20.5
493180 2014 UJ_{12}	16.6	X	20.54231	183.58760	236.98446	11.04148	0.0424991	0.19756432	2.9196472	20	—	—
493181 2014 UO_{13}	16.7	X	163.00317	75.17739	233.27012	13.57540	0.0554935	0.21324641	2.7746927	20	—	—
493182 2014 UQ_{13}	16.5	X	27.91434	2.87036	20.67509	9.49357	0.1509437	0.18346891	3.0673339	20	—	—
493183 2014 UJ_{14}	16.4	X	328.87485	203.04074	235.91330	9.33505	0.0718167	0.17811211	3.1285307	20	12 15.6	20.5
493184 2014 UH_{15}	17.3	X	169.77760	35.13615	301.35614	1.74227	0.1021913	0.23196259	2.6233571	20	1 24.3	21.1
493185 2014 UV_{15}	16.7	X	202.10131	314.21600	1.85419	10.07940	0.1763390	0.24617179	2.5214123	20	2 3.7	20.9
493186 2014 UW_{16}	16.2	X	44.69051	110.87473	219.72689	9.73043	0.1371532	0.17503584	3.1650803	20	11 24.7	20.6
493187 2014 UB_{17}	17.1	X	119.01680	46.76894	267.32506	0.96291	0.0706042	0.20070318	2.8891264	20	—	—
493188 2014 UN_{18}	16.5	X	33.11211	324.66295	55.22398	11.21430	0.0606882	0.18206547	3.0830767	20	12 30.0	20.8
493189 2014 UE_{19}	17.2	X	142.60659	185.36701	148.97806	2.88618	0.1188402	0.21688207	2.7435968	20	—	—
493190 2014 UQ_{19}	16.4	X	3.66767	309.68263	82.12465	5.75529	0.0781802	0.17258809	3.1949360	20	12 5.9	20.7
493191 2014 UZ_{21}	17.0	X	147.34360	166.74421	188.94722	6.63819	0.0975827	0.22358948	2.6884490	20	1 23.0	20.9
493192 2014 UK_{23}	16.3	X	188.24533	155.72379	64.75274	12.50777	0.0275542	0.17797278	3.1301632	20	12 12.7	20.8
493193 2014 UT_{24}	16.6	X	323.28035	15.25191	73.71368	10.31818	0.0818795	0.17336595	3.1853721	20	12 18.3	20.6
493194 2014 UE_{26}	17.8	X	270.18280	68.98743	205.68518	4.61546	0.2406366	0.26530007	2.3987103	20	2 1.8	21.6
493195 2014 UU_{28}	18.6	X	162.98715	28.94503	45.11615	5.90639	0.1819206	0.26360563	2.4089785	20	5 20.5	22.5
493196 2014 UM_{31}	16.4	X	43.27225	171.36038	225.05518	8.46392	0.1203549	0.19145210	2.9814621	20	—	—
493197 2014 UT_{31}	15.9	X	219.35873	154.22665	52.64903	17.17398	0.0294147	0.18229303	3.0805104	20	—	—
493198 2014 UP_{32}	16.3	X	130.37960	203.54465	73.56035	12.33797	0.0975572	0.17871709	3.1214663	20	12 17.1	21.1
493199 2014 UR_{37}	17.0	X	31.60785	14.71971	51.80219	7.41701	0.0259739	0.20877278	2.8141903	20	—	—
493200 2014 UZ_{38}	16.3	X	142.65892	240.58022	39.13125	9.91770	0.0132417	0.19307148	2.9647674	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493201 2014 UK_{40}	17.0	X	177.51260	204.29778	119.81220	4.32777	0.1685941	0.22909453	2.6452064	20	1 21.3	21.3
493202 2014 UE_{41}	16.3	X	184.53383	259.86435	0.28302	1.96148	0.0792116	0.19066599	2.9896514	20	—	—
493203 2014 UQ_{41}	15.8	X	353.59930	23.79138	43.35289	18.07890	0.2072211	0.17780861	3.1320897	20	—	—
493204 2014 UP_{42}	16.4	X	9.25059	349.50293	64.17068	10.43774	0.0638708	0.17911793	3.1168078	20	—	—
493205 2014 UO_{45}	17.3	X	146.88938	120.47917	222.48095	12.98560	0.1592331	0.22544736	2.6736585	20	1 11.9	21.6
493206 2014 UU_{46}	16.6	X	126.48372	279.52247	50.90002	9.72523	0.1652162	0.21077264	2.7963610	20	—	—
493207 2014 UU_{47}	16.4	X	55.56631	285.37214	61.10154	5.58829	0.1497035	0.18076581	3.0978368	20	12 28.6	20.8
493208 2014 UV_{47}	16.5	X	130.59937	89.87910	218.28682	12.87872	0.1661636	0.20052007	2.8908850	20	—	—
493209 2014 UY_{47}	17.3	X	156.44908	139.02365	209.70322	7.03270	0.2316818	0.23481767	2.6020493	20	2 2.4	21.6
493210 2014 UA_{48}	16.3	X	359.70061	306.31022	68.38760	2.39835	0.1648381	0.17258708	3.1949484	20	11 17.2	19.8
493211 2014 UF_{48}	16.0	X	346.39350	43.21521	32.31121	10.07770	0.0478968	0.18779417	3.0200535	20	—	—
493212 2014 UJ_{48}	16.8	X	83.40920	300.19302	29.51520	3.58291	0.1423419	0.19201634	2.9756185	20	—	—
493213 2014 UK_{48}	15.9	X	67.99806	123.48186	212.46003	9.55394	0.0100366	0.18123077	3.0925360	20	12 12.4	20.3
493214 2014 UD_{51}	16.4	X	65.30403	300.03094	59.53013	10.78176	0.1239119	0.18663278	3.0325695	20	—	—
493215 2014 UN_{51}	16.4	X	224.16128	33.45431	264.57926	23.36656	0.2678481	0.26563398	2.3966998	20	1 18.9	21.0
493216 2014 UD_{52}	16.7	X	92.21461	104.70567	259.36876	2.79251	0.1122068	0.21112262	2.7932697	20	—	—
493217 2014 UK_{53}	16.8	X	113.10283	241.81313	116.17862	4.30991	0.1044069	0.21519071	2.7579541	20	—	—
493218 2014 UP_{59}	16.0	X	11.49056	186.52824	193.71292	12.79153	0.1562748	0.17823262	3.1271204	20	12 13.7	20.1
493219 2014 UU_{60}	17.5	X	10.78605	253.13603	165.82735	4.65002	0.1245423	0.19209300	2.9748269	20	—	—
493220 2014 UK_{61}	16.5	X	38.16868	310.44656	39.07402	23.16198	0.0775063	0.17783115	3.1318250	20	11 26.1	21.1
493221 2014 US_{61}	16.4	X	295.76996	59.52086	49.44290	12.33966	0.1241950	0.17662109	3.1461131	20	11 29.3	20.3
493222 2014 UT_{61}	16.6	X	291.50670	29.29989	72.02923	6.66257	0.0635522	0.17417621	3.1754857	20	11 20.9	20.8
493223 2014 UL_{62}	15.9	X	75.26820	328.50394	22.39147	12.28672	0.0438321	0.18600071	3.0394359	20	—	—
493224 2014 UL_{63}	15.9	X	245.56672	305.46165	212.48102	9.35156	0.0466913	0.18063982	3.0992770	20	12 4.4	20.3
493225 2014 UV_{63}	17.2	X	118.03458	353.17190	21.81723	1.08713	0.1990477	0.22961149	2.6412346	20	1 27.8	20.9
493226 2014 US_{66}	16.7	X	73.61196	106.41247	235.51234	16.05116	0.1655381	0.18504369	3.0499065	20	—	—
493227 2014 UT_{66}	16.6	X	33.27540	155.33016	239.78025	8.59279	0.1116041	0.18467067	3.0540121	20	—	—
493228 2014 UA_{68}	16.7	X	140.69295	304.38077	44.78845	13.75247	0.2898335	0.23360601	2.6110391	20	2 1.4	21.2
493229 2014 UZ_{69}	17.8	X	150.89755	255.70540	195.11592	1.71108	0.1874234	0.26952716	2.3735644	20	6 1.0	21.4
493230 2014 UQ_{70}	16.8	X	117.21962	142.75579	215.88829	8.35665	0.1069969	0.21963625	2.7206126	20	—	—
493231 2014 UQ_{73}	18.5	X	123.77316	109.92363	21.48307	3.23312	0.1108646	0.27833158	2.3232417	20	6 21.2	21.6
493232 2014 UT_{74}	16.3	X	336.30076	203.35823	212.64406	17.82833	0.0779923	0.17461016	3.1702223	20	11 27.7	20.5
493233 2014 UL_{77}	15.9	X	303.72252	258.38887	217.18235	9.77826	0.0769560	0.18493498	3.0511016	20	12 25.9	20.0
493234 2014 UT_{84}	15.9	X	348.77756	9.18148	54.21767	9.75538	0.0595695	0.17516041	3.1635795	20	12 22.6	20.1
493235 2014 US_{85}	15.8	X	103.12829	73.79383	232.69485	14.90416	0.1663018	0.18402932	3.0611036	20	12 28.6	20.9
493236 2014 UK_{86}	17.6	X	279.54693	247.16144	58.20903	2.14111	0.1922123	0.27198508	2.3592429	20	3 28.1	20.8
493237 2014 UR_{89}	16.4	X	187.87625	223.75813	61.77065	13.38682	0.0723672	0.21165944	2.7885448	20	—	—
493238 2014 UZ_{89}	17.3	X	121.18838	269.76067	91.36395	3.66771	0.1499141	0.22024902	2.7155641	20	1 8.9	21.1
493239 2014 UH_{90}	15.8	X	328.41199	203.64228	200.74536	9.84498	0.0764689	0.16069328	3.3507156	20	10 29.9	20.0
493240 2014 UT_{91}	16.1	X	8.59420	352.28057	66.36555	12.08925	0.0856245	0.18557355	3.0440983	20	—	—
493241 2014 UA_{93}	16.2	X	65.04266	285.45228	56.41599	14.08037	0.0510682	0.17607996	3.1525556	20	12 18.9	20.8
493242 2014 UC_{95}	16.5	X	63.91122	295.89401	56.10452	9.49897	0.1111945	0.18777409	3.0202688	20	—	—
493243 2014 UJ_{96}	16.3	X	23.63161	214.31204	160.94362	2.64108	0.1267146	0.17846719	3.1243796	20	12 20.5	20.4
493244 2014 UF_{97}	16.7	X	96.52703	280.79310	66.76923	6.51851	0.1231548	0.20173632	2.8792541	20	—	—
493245 2014 UC_{98}	16.4	X	335.38906	3.43564	77.75084	9.49116	0.0790348	0.17851129	3.1238650	20	12 27.9	20.3
493246 2014 UE_{98}	16.8	X	81.97142	167.36644	169.66280	6.44869	0.1642101	0.19039496	2.9924880	20	—	—
493247 2014 UH_{98}	16.8	X	214.35768	184.44731	93.60985	8.03753	0.1306253	0.22332436	2.6905763	20	—	—
493248 2014 UD_{99}	16.0	X	246.05009	316.60510	224.08644	7.59966	0.0191562	0.18002236	3.1063597	20	—	—
493249 2014 UD_{101}	16.8	X	206.04369	143.98704	139.18881	4.26788	0.1052944	0.22388250	2.6861027	20	—	—
493250 2014 UR_{102}	17.0	X	196.88893	154.68679	121.02312	4.32942	0.0519264	0.21401112	2.7680790	20	—	—
493251 2014 UY_{106}	16.9	X	124.32471	159.26387	185.64671	4.22605	0.0716271	0.21830581	2.7316550	20	—	—
493252 2014 UC_{107}	16.9	X	338.53458	241.59266	191.88301	9.09199	0.0572968	0.18598156	3.0396445	20	12 23.9	21.0
493253 2014 UD_{107}	16.6	X	301.62606	258.73107	194.92008	8.98673	0.0845726	0.17583845	3.1554416	20	11 24.7	20.8
493254 2014 UE_{109}	18.3	X	197.55801	240.18318	188.44887	0.57904	0.1630324	0.27867509	2.3213321	20	6 15.7	21.8
493255 2014 UR_{111}	17.0	X	97.82009	260.70771	97.00436	4.58061	0.1043814	0.21013498	2.8020152	20	—	—
493256 2014 UK_{112}	17.4	X	238.13462	255.65579	59.03120	10.44413	0.1520343	0.26463277	2.4027410	20	3 6.4	21.3
493257 2014 UY_{112}	16.2	X	295.18447	203.71068	267.87243	8.02220	0.0605004	0.17463841	3.1698803	20	12 8.2	20.3
493258 2014 UZ_{114}	15.9	X	163.70401	263.10704	74.82106	26.60840	0.1132624	0.22413353	2.6840967	20	1 23.3	20.4
493259 2014 UC_{118}	15.9	X	38.18580	290.69727	61.37696	12.78488	0.2552126	0.18350503	3.0669314	20	12 30.0	20.3
493260 2014 UK_{118}	16.4	X	128.26539	57.31734	277.42993	12.63851	0.1342204	0.22006083	2.7171120	20	—	—
493261 2014 UB_{119}	16.9	X	284.26566	201.12419	279.11982	1.58156	0.0676932	0.17426474	3.1744101	20	12 3.2	21.1
493262 2014 UO_{119}	16.1	X	326.89144	43.52567	35.32109	11.81525	0.0677706	0.17605940	3.1528011	20	12 10.5	20.3
493263 2014 UG_{125}	16.0	X	43.69567	31.41054	332.56250	7.18110	0.0791696	0.18511041	3.0491736	20	12 27.8	20.3
493264 2014 UQ_{130}	16.4	X	157.10694	54.03741	265.14370	3.93075	0.0377447	0.21754178	2.7380472	20	—	—
493265 2014 UG_{131}	16.7	X	81.21345	359.15875	22.12726	13.47860	0.0190969	0.20913709	2.8109213	20	—	—
493266 2014 UQ_{132}	16.8	X	124.80322	313.76785	100.70249	6.67608	0.2410585	0.22325377	2.6911435	20	3 31.8	21.1
493267 2014 UE_{133}	16.3	X	54.19925	164.61111	198.75875	10.30359	0.1147805	0.18788226	3.0191095	20	—	—
493268 2014 UH_{134}	16.3	X	48.74190	111.85561	240.90996	9.53078	0.1243658	0.18011517	3.1052925	20	12 24.3	20.8
493269 2014 UQ_{135}	16.7	X	115.39544	98.32406	232.17199	11.06272	0.0325232	0.19785275	2.9168090	20	—	—
493270 2014 UC_{136}	17.2	X	86.93619	343.68500	41.73473	9.77979	0.1577555	0.21768590	2.7368385	20	—	—
493271 2014 UT_{136}	16.4	X	19.38523	9.54754	55.31873	12.61593	0.1245557	0.18902682	3.0069101	20	—	—
493272 2014 UY_{136}	16.0	X	34.38483	335.18387	58.83224	11.20464	0.0689292	0.18204140	3.0833484	20	—	—
493273 2014 UZ_{141}	18.7	X	168.72614	145.38932	303.59107	3.09684	0.1501694	0.27718076	2.3296678	20	6 14.4	22.2
493274 2014 UT_{142}	16.7	X	63.45053	335.85958	356.38182	4.67037	0.1395863	0.17993594	3.1073543	20	12 18.8	21.3
493275 2014 UX_{142}	15.9	X	106.12130	77.05724	238.70909	11.27359	0.0608069	0.18858545	3.0115998	20	—	—
493276 2014 UP_{143}	17.1	X	311.91190	215.10543	234.12730	9.56393	0.0958429	0.17275567	3.1928695	20	12 1.8	21.1
493277 2014 UC_{147}	16.6	X	197.87999	176.48815	66.42798	5.88071	0.0511005	0.20125245	2.8838672	20	—	—
493278 2014 UB_{153}	17.8	X	96.64108	4.36177	89.76016	3.51591	0.2024689	0.23851996	2.5750534	20	4 13.5	21.2
493279 2014 UL_{153}	16.8	X	102.66736	231.12786	124.14881	5.06616	0.1129512	0.21357922	2.7718095	20	—	—
493280 2014 UR_{153}	16.9	X	61.11242	310.48868	55.39196	12.11444	0.0919428	0.19710923	2.9241394	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493281 2014 UG_{157}	16.6	X	91.56769	201.28343	166.91077	9.54160	0.1676579	0.21402382	2.7679696	20	—	—
493282 2014 UJ_{157}	16.1	X	9.32151	347.86869	29.71054	10.88559	0.1225558	0.17711161	3.1403016	20	11 30.3	20.2
493283 2014 UO_{158}	17.0	X	46.97842	231.97471	124.49203	5.04941	0.0998780	0.18086835	3.0966658	20	12 24.1	21.4
493284 2014 UH_{161}	17.0	X	192.56918	276.30479	33.52070	4.48910	0.2262223	0.23786827	2.5797545	20	1 19.3	21.5
493285 2014 UC_{162}	16.8	X	46.55852	144.52672	224.84496	15.95864	0.0655490	0.18397700	3.0616840	20	—	—
493286 2014 UA_{163}	16.3	X	230.53545	309.38405	240.52111	10.60689	0.0504678	0.18044022	3.1015621	20	12 23.0	20.8
493287 2014 UP_{169}	16.5	X	43.58293	220.50305	149.30053	12.11699	0.1407968	0.18329188	3.0693086	20	—	—
493288 2014 UU_{170}	16.3	X	31.78547	247.00560	122.89415	7.06230	0.1955345	0.18489235	3.0515706	20	—	—
493289 2014 UH_{171}	16.9	X	97.31204	118.34510	209.04102	10.35459	0.0627635	0.18606912	3.0386908	20	—	—
493290 2014 UG_{172}	16.5	X	189.87673	170.91540	110.35116	9.82056	0.1115507	0.21349980	2.7724969	20	—	—
493291 2014 UE_{173}	16.7	X	250.69132	171.72472	84.27775	14.86333	0.1234378	0.23029823	2.6359812	20	1 6.8	20.8
493292 2014 UN_{173}	16.2	X	133.87536	229.25562	94.99046	11.01832	0.1259491	0.20982305	2.8047915	20	—	—
493293 2014 UT_{174}	16.7	X	325.81944	338.61252	102.53241	9.62846	0.0755270	0.17709278	3.1405243	20	12 14.3	20.8
493294 2014 UQ_{176}	16.4	X	330.12406	25.40416	47.00357	14.00127	0.1629098	0.17262927	3.1944279	20	12 6.9	20.2
493295 2014 UR_{177}	16.4	X	117.87831	283.86210	59.22846	7.99933	0.1098546	0.21287351	2.7779321	20	—	—
493296 2014 UO_{179}	16.8	X	133.82174	230.63726	88.73240	4.54869	0.1900127	0.21722852	2.7406789	20	—	—
493297 2014 UG_{180}	17.1	X	102.71755	292.31831	74.18908	4.36639	0.1029221	0.21433138	2.7653209	20	—	—
493298 2014 UQ_{181}	17.1	X	206.85087	252.63029	49.12872	13.79274	0.1147186	0.23506831	2.6001994	20	1 22.1	21.4
493299 2014 UW_{182}	16.4	X	345.92781	353.21549	68.84252	10.28116	0.0803923	0.17620563	3.1510565	20	12 18.6	20.4
493300 2014 UZ_{182}	17.7	X	207.01799	278.49089	69.26691	12.17984	0.2728833	0.26180840	2.4199905	20	3 18.3	22.2
493301 2014 UM_{183}	16.3	X	66.50988	293.02711	60.88505	17.98139	0.0484199	0.18446370	3.0562962	20	—	—
493302 2014 UP_{183}	17.0	X	140.70767	143.64370	192.15495	3.10710	0.0988746	0.21660158	2.7459649	20	—	—
493303 2014 UY_{183}	16.6	X	4.69671	177.87327	222.92600	16.85087	0.1867453	0.17874831	3.1211029	20	12 30.3	20.6
493304 2014 UZ_{183}	16.7	X	112.26633	286.12588	55.15432	2.63592	0.0648350	0.20440505	2.8541380	20	—	—
493305 2014 UF_{184}	16.2	X	13.68530	190.35153	220.86828	15.78298	0.1257063	0.18627047	3.0365006	20	—	—
493306 2014 UM_{184}	16.6	X	4.70111	173.67831	243.04220	8.65997	0.1198468	0.19003391	2.9962771	20	—	—
493307 2014 UW_{184}	17.1	X	158.96019	127.64662	215.18834	4.47192	0.3066585	0.23501051	2.6006257	20	2 3.1	21.7
493308 2014 UY_{184}	18.6	X	291.71952	319.91044	75.15868	4.21929	0.1468790	0.31339362	2.1465579	20	9 12.6	20.2
493309 2014 UK_{189}	16.3	X	356.20185	34.75903	8.10061	16.52105	0.1960987	0.17817102	3.1278410	20	12 22.1	20.2
493310 2014 UX_{189}	16.8	X	100.41792	253.21068	107.01061	3.21500	0.0778755	0.20378120	2.8599601	20	—	—
493311 2014 UA_{190}	17.5	X	193.28065	126.40465	198.19253	4.87475	0.2275956	0.24135665	2.5548370	20	2 3.2	21.9
493312 2014 UH_{190}	16.3	X	8.62236	333.96152	75.02198	11.22987	0.0978360	0.18305890	3.0719123	20	—	—
493313 2014 UL_{190}	16.2	X	327.85354	339.39206	108.33813	10.87438	0.0646674	0.17817523	3.1277917	20	12 25.2	20.3
493314 2014 UH_{191}	17.8	X	283.62424	57.28668	275.09720	1.02995	0.1875290	0.29408504	2.2395156	20	5 7.9	20.5
493315 2014 UA_{194}	16.1	X	278.96797	15.52711	110.73780	3.88620	0.0475643	0.18074606	3.0980624	20	12 7.8	20.2
493316 2014 UF_{195}	16.3	X	252.19547	94.25090	70.25774	7.44345	0.0908757	0.18603392	3.0390741	20	12 14.9	20.5
493317 2014 UM_{195}	17.0	X	177.05762	84.85793	218.00059	13.40302	0.0912087	0.22398101	2.6853151	20	—	—
493318 2014 UB_{196}	16.2	X	54.73791	306.90824	24.39082	8.51439	0.0680541	0.17687748	3.1430722	20	11 26.3	20.8
493319 2014 UA_{199}	16.9	X	139.87893	86.95380	229.04356	9.74651	0.2156194	0.21872243	2.7281851	20	—	—
493320 2014 UB_{201}	16.6	X	174.42839	73.29946	220.30511	19.53611	0.2101650	0.21292070	2.7775217	20	—	—
493321 2014 UC_{202}	16.2	X	317.02200	329.80058	91.36030	5.73742	0.1010602	0.16794202	3.2535923	20	11 4.8	20.3
493322 2014 UV_{202}	16.8	X	78.10447	180.31413	218.15985	12.21997	0.1561295	0.21457339	2.7632413	20	—	—
493323 2014 UE_{207}	17.0	X	125.39682	259.82557	81.74542	7.01487	0.1262520	0.21778382	2.7360181	20	—	—
493324 2014 UF_{207}	16.3	X	323.76096	283.97540	147.32448	5.99684	0.1509797	0.17289223	3.1911880	20	11 27.6	20.0
493325 2014 UB_{208}	16.6	X	132.18266	343.20797	332.68479	7.51070	0.0726422	0.20051235	2.8909592	20	—	—
493326 2014 UC_{209}	16.5	X	188.72742	239.18772	90.25942	14.12356	0.1814761	0.23698129	2.5861875	20	2 8.9	20.9
493327 2014 UQ_{216}	15.5	X	12.51659	158.37766	234.55799	15.05633	0.1992987	0.17800106	3.1298318	20	—	—
493328 2014 UT_{216}	16.2	X	118.22254	279.86447	95.40694	13.42803	0.1125380	0.22550082	2.6732360	20	1 17.3	19.8
493329 2014 UX_{223}	16.7	X	102.70962	240.82254	105.96252	8.90755	0.2356230	0.21315121	2.7755188	20	—	—
493330 2014 VB_{5}	17.3	X	135.72519	268.12897	73.73406	4.78828	0.2305043	0.23654044	2.5893998	20	1 8.8	21.2
493331 2014 VT_{5}	16.0	X	17.32562	288.15696	67.41641	9.90976	0.2135357	0.17172563	3.2056244	20	11 27.8	19.7
493332 2014 VM_{9}	16.4	X	359.48415	14.94878	55.06253	10.35857	0.0201145	0.18295979	3.0730216	20	—	—
493333 2014 VL_{11}	15.7	X	355.61687	313.77621	87.05235	20.13368	0.1182344	0.16937892	3.2351653	20	12 9.2	19.7
493334 2014 VP_{11}	15.8	X	352.82504	324.56359	83.02305	28.08351	0.1535152	0.17053111	3.2205766	20	12 15.4	19.7
493335 2014 VT_{12}	16.8	X	23.38560	289.53708	87.55690	9.66928	0.2015291	0.18254882	3.0776320	20	—	—
493336 2014 VE_{15}	15.7	X	156.80326	220.84727	54.20286	19.97256	0.0879701	0.18577155	3.0419348	20	—	—
493337 2014 VU_{17}	16.9	X	68.26596	244.36881	142.80721	2.59766	0.1035118	0.20393298	2.8585408	20	—	—
493338 2014 VE_{19}	16.8	X	136.20192	306.23001	20.43348	11.77484	0.0747086	0.21348390	2.7726346	20	—	—
493339 2014 VL_{21}	15.9	X	331.86438	232.61032	227.57695	9.79496	0.0533394	0.18158047	3.0885642	20	—	—
493340 2014 VH_{22}	15.4	X	177.69423	178.96156	77.14981	11.61797	0.0515933	0.18440544	3.0569398	20	—	—
493341 2014 VD_{29}	16.2	X	198.63889	159.07105	57.40748	13.72698	0.0180706	0.17434721	3.1734090	20	12 19.7	20.8
493342 2014 VO_{29}	16.4	X	283.25964	262.66126	242.29147	4.18021	0.0455249	0.18094282	3.0958161	20	—	—
493343 2014 VT_{29}	17.6	X	191.27256	273.94022	59.06328	2.45481	0.2634362	0.24553154	2.5257936	20	2 14.4	22.0
493344 2014 VU_{33}	16.5	X	71.02690	292.24797	55.74756	9.42403	0.0980931	0.18723747	3.0260368	20	—	—
493345 2014 WS	17.1	X	63.95888	157.99017	199.10793	5.48202	0.0840187	0.18546801	3.0452529	20	—	—
493346 2014 WS_{2}	15.9	X	57.14151	286.72192	61.90134	10.42044	0.0811075	0.17846288	3.1244299	20	12 23.0	20.4
493347 2014 WO_{3}	16.8	X	197.53770	217.67885	109.42555	7.39014	0.1386367	0.23995411	2.5647828	20	2 10.9	20.9
493348 2014 WX_{7}	16.9	X	162.60203	93.15909	236.73974	7.45285	0.1833079	0.22995538	2.6386007	20	1 14.2	21.1
493349 2014 WC_{10}	17.2	X	166.86086	278.42643	46.30767	14.73856	0.2291804	0.23266708	2.6180590	20	1 18.7	21.8
493350 2014 WU_{10}	16.8	X	309.31855	232.82677	226.69818	8.52817	0.0650359	0.17743467	3.1364887	20	12 13.3	20.9
493351 2014 WQ_{18}	16.8	X	181.55885	252.46140	64.19252	10.42729	0.2742009	0.22840291	2.6505437	20	1 22.2	21.6
493352 2014 WZ_{18}	16.1	X	32.62244	353.99326	51.93640	10.95298	0.0968193	0.18545647	3.0453793	20	—	—
493353 2014 WH_{19}	16.0	X	314.58523	222.44423	208.03878	19.55495	0.0770978	0.17344139	3.1844484	20	11 14.4	20.2
493354 2014 WE_{21}	16.2	X	149.24596	310.56849	291.98339	4.53670	0.0318793	0.16851993	3.2461496	20	11 23.0	21.0
493355 2014 WP_{23}	17.5	X	137.52526	16.01626	340.72821	2.71433	0.1636772	0.22616984	2.6679617	20	1 22.8	21.3
493356 2014 WJ_{28}	16.3	X	332.88076	16.87139	62.16239	10.10695	0.0708467	0.17457492	3.1706489	20	12 19.9	20.4
493357 2014 WP_{28}	17.0	X	214.54427	235.94549	47.19867	6.62968	0.1143467	0.22302783	2.6929606	20	1 6.4	21.2
493358 2014 WC_{44}	16.8	X	78.33779	256.16878	111.25438	2.69966	0.1113127	0.19967754	2.8990112	20	—	—
493359 2014 WH_{48}	16.4	X	198.61565	23.25752	227.18918	10.03016	0.0784530	0.19244507	2.9711975	20	—	—
493360 2014 WQ_{48}	16.4	X	286.25747	270.71321	230.13739	14.59389	0.0294467	0.17917651	3.1161284	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493361 2014 WC_{55}	16.4	X	165.88232	96.59283	233.35857	11.70331	0.1451845	0.21951053	2.7216512	20	1 14.6	20.8
493362 2014 WH_{58}	17.1	X	135.54494	296.78428	46.51341	3.98268	0.1987660	0.21659546	2.7460165	20	1 9.9	21.3
493363 2014 WL_{62}	16.6	X	13.80850	162.27393	216.23257	8.84669	0.0931711	0.17535333	3.1612586	20	12 6.2	20.8
493364 2014 WT_{62}	16.6	X	102.28359	264.59181	75.60321	12.19006	0.1434269	0.20061254	2.8899966	20	—	—
493365 2014 WV_{63}	17.0	X	186.19011	97.92157	212.64358	13.61655	0.1542381	0.23327316	2.6135223	20	1 9.2	21.5
493366 2014 WW_{65}	16.6	X	5.72682	297.65090	77.17944	5.93251	0.1602351	0.17012131	3.2257465	20	11 26.3	20.6
493367 2014 WD_{67}	16.2	X	307.63380	8.96019	100.22970	5.24946	0.0269671	0.17995707	3.1071110	20	12 25.1	20.5
493368 2014 WM_{70}	17.2	X	171.64662	100.17034	223.95642	5.53483	0.0113698	0.22276593	2.6950710	20	1 4.3	20.9
493369 2014 WH_{71}	15.7	X	149.68980	188.39726	83.73296	12.40351	0.0239760	0.18096918	3.0955154	20	12 31.7	20.2
493370 2014 WC_{77}	17.5	X	185.75252	161.62433	149.56325	3.32679	0.0795357	0.22326569	2.6910476	20	1 9.7	21.5
493371 2014 WD_{83}	17.0	X	7.08501	317.61296	108.02035	2.75918	0.0401339	0.18761500	3.0219760	20	—	—
493372 2014 WM_{88}	16.4	X	343.58219	235.58829	219.82597	9.85466	0.0930886	0.18845273	3.0130136	20	—	—
493373 2014 WU_{103}	16.5	X	109.31981	222.06887	73.31210	10.56075	0.0850685	0.18162548	3.0880539	20	12 17.7	21.1
493374 2014 WA_{105}	17.0	X	21.16502	32.29502	30.96424	2.38119	0.0572514	0.20407246	2.8572383	20	—	—
493375 2014 WE_{106}	17.1	X	207.29031	238.39400	48.72257	24.07445	0.1633036	0.23518714	2.5993235	20	1 1.4	21.7
493376 2014 WK_{107}	16.6	X	61.92424	327.73698	12.65230	8.26265	0.0959122	0.18586944	3.0408667	20	12 22.7	21.1
493377 2014 WO_{107}	16.5	X	348.31422	14.69012	20.35653	7.72456	0.1500136	0.17247816	3.1962934	20	11 20.6	20.3
493378 2014 WT_{108}	18.5	X	143.95403	327.49581	171.74994	1.82273	0.0851166	0.28674606	2.2775665	20	7 24.3	21.5
493379 2014 WO_{109}	15.9	X	347.98834	350.63928	80.11787	15.16699	0.0953695	0.17922952	3.1155139	20	—	—
493380 2014 WX_{117}	16.3	X	287.02517	273.48170	212.95704	25.38130	0.0946817	0.17993017	3.1074207	20	12 11.6	20.7
493381 2014 WJ_{121}	16.5	X	135.63302	254.01940	84.69522	13.73997	0.1229125	0.21165750	2.7885618	20	—	—
493382 2014 WO_{123}	16.8	X	77.42406	203.41311	172.97337	7.30317	0.1639844	0.20145585	2.8819258	20	—	—
493383 2014 WV_{123}	17.4	X	213.71984	208.61884	202.37009	6.35389	0.2429190	0.27982694	2.3149575	20	6 4.1	21.2
493384 2014 WX_{124}	16.9	X	103.18891	73.06707	30.38853	2.73356	0.1228213	0.24389187	2.5371015	20	4 20.5	20.4
493385 2014 WP_{129}	16.8	X	97.40135	268.08592	107.70765	7.21937	0.1639572	0.21392895	2.7687878	20	—	—
493386 2014 WX_{132}	16.6	X	88.30987	264.97051	60.77097	9.45031	0.1041870	0.18002613	3.1063163	20	—	—
493387 2014 WX_{136}	17.5	X	202.22402	91.64484	237.59812	3.77795	0.2005236	0.24350803	2.5397669	20	2 14.9	21.8
493388 2014 WN_{139}	15.9	X	174.32442	18.00551	246.89160	23.22274	0.2330127	0.18919589	3.0051184	20	—	—
493389 2014 WO_{140}	16.6	X	208.78693	183.12243	71.85200	7.06833	0.0463546	0.19803323	2.9150366	20	—	—
493390 2014 WA_{141}	16.9	X	98.65530	252.65225	82.68502	2.99580	0.0431760	0.18511437	3.0491301	20	—	—
493391 2014 WM_{158}	16.5	X	333.65447	36.83514	52.54842	18.63949	0.1467488	0.18432101	3.0578734	20	—	—
493392 2014 WC_{160}	16.3	X	294.10619	14.45701	104.15977	10.70914	0.0594475	0.17484341	3.1674021	20	12 16.1	20.6
493393 2014 WG_{160}	17.6	X	138.89430	300.01183	173.87226	6.55628	0.0589161	0.27167526	2.3610362	20	6 10.9	20.8
493394 2014 WV_{160}	16.0	X	245.34050	105.43755	80.18381	16.49050	0.1530336	0.17982332	3.1086515	20	12 21.4	20.3
493395 2014 WB_{162}	16.7	X	132.33000	92.49413	328.01081	4.60941	0.1372201	0.22970032	2.6405536	20	3 30.5	20.7
493396 2014 WD_{163}	16.9	X	180.37269	301.54271	31.56293	6.71384	0.2755015	0.24091153	2.5579830	20	2 9.1	21.5
493397 2014 WX_{168}	16.8	X	194.32138	179.98619	111.54595	6.87955	0.0329887	0.21786927	2.7353027	20	—	—
493398 2014 WA_{173}	15.9	X	334.08801	315.27003	100.26829	10.31113	0.1315026	0.18383757	3.0632318	20	11 28.9	19.5
493399 2014 WE_{174}	16.5	X	160.85945	246.02669	100.42776	14.47297	0.1669048	0.22924810	2.6440250	20	2 3.4	20.7
493400 2014 WT_{179}	16.0	X	86.78383	211.47093	80.81495	10.28394	0.0683761	0.17514459	3.1637700	20	11 19.5	20.6
493401 2014 WT_{181}	17.1	X	181.79776	260.01976	45.70301	15.41840	0.1576107	0.23409322	2.6074150	20	1 2.2	21.5
493402 2014 WA_{189}	16.4	X	302.53037	31.32037	80.25900	16.93686	0.1179915	0.17154217	3.2079096	20	12 13.3	20.4
493403 2014 WB_{189}	16.4	X	159.21186	88.69329	205.10513	11.58342	0.0266350	0.19641496	2.9310260	20	—	—
493404 2014 WE_{190}	16.4	X	50.94715	253.46764	101.46978	10.39896	0.0828435	0.17646255	3.1479973	20	12 23.6	20.9
493405 2014 WF_{192}	15.1	X	160.74201	43.68438	217.05599	27.37238	0.1885145	0.17379003	3.1801881	20	12 20.6	20.8
493406 2014 WA_{193}	16.5	X	79.70736	153.16138	195.33094	11.55635	0.0283756	0.17910760	3.1169275	20	—	—
493407 2014 WG_{193}	15.6	X	143.77412	137.70949	143.76595	17.35642	0.0395549	0.17563980	3.1578203	20	—	—
493408 2014 WR_{193}	16.7	X	180.86930	211.50022	94.82739	15.26037	0.0761531	0.22209257	2.7005156	20	—	—
493409 2014 WN_{198}	16.6	X	223.38905	80.11687	139.21023	13.25842	0.0220414	0.18969912	2.9998014	20	—	—
493410 2014 WU_{198}	16.4	X	31.67732	247.77746	132.31913	11.17382	0.0177547	0.17582745	3.1555733	20	12 21.9	20.9
493411 2014 WL_{199}	16.2	X	190.20864	188.09158	114.17923	15.52307	0.0612270	0.21824382	2.7321723	20	1 3.9	20.1
493412 2014 WC_{211}	16.7	X	166.19564	217.33477	145.88682	3.10441	0.2433054	0.24114172	2.5563549	20	3 1.1	21.1
493413 2014 WA_{215}	15.7	X	223.63600	139.18130	38.60981	27.98275	0.1258367	0.17619753	3.1511531	20	11 15.8	20.6
493414 2014 WD_{216}	16.0	X	77.27672	237.84597	78.75932	15.03590	0.1897137	0.18377651	3.0639103	20	12 20.3	20.8
493415 2014 WL_{216}	16.3	X	45.45694	162.42872	195.01102	11.27375	0.1412921	0.18003065	3.1062643	20	12 27.9	20.9
493416 2014 WD_{218}	16.7	X	216.39976	321.20516	247.72596	7.91024	0.0506591	0.18271621	3.0757521	20	12 29.7	21.1
493417 2014 WV_{240}	17.0	X	127.56095	153.89535	182.64628	7.84197	0.0623175	0.20381220	2.8596701	20	—	—
493418 2014 WB_{250}	16.5	X	13.27453	40.07656	344.86049	8.37769	0.0581687	0.17046597	3.2213971	20	12 6.5	21.1
493419 2014 WY_{251}	16.3	X	31.08739	92.64571	273.55198	11.82589	0.2034712	0.17525101	3.1624890	20	12 29.1	20.4
493420 2014 WG_{253}	16.1	X	89.64179	141.80402	181.03130	12.44389	0.1673880	0.19224261	2.9732832	20	—	—
493421 2014 WS_{259}	15.6	X	57.12867	262.86860	70.29206	33.22098	0.0933011	0.16863992	3.2446096	20	12 3.9	20.2
493422 2014 WT_{260}	16.1	X	151.03243	159.66865	99.86470	6.76298	0.0254990	0.17266982	3.1939277	20	12 16.7	20.8
493423 2014 WT_{269}	16.3	X	261.93634	71.57786	84.83134	16.89946	0.0201315	0.17428991	3.1741045	20	12 23.7	20.8
493424 2014 WE_{273}	16.7	X	58.19585	233.13356	130.99854	6.99715	0.1058369	0.18190660	3.0848715	20	—	—
493425 2014 WS_{278}	16.3	X	98.16812	193.69195	154.86417	6.81999	0.1326994	0.19496593	2.9455308	20	—	—
493426 2014 WF_{286}	15.7	X	16.96161	320.81266	93.17068	10.68362	0.0851439	0.18096967	3.0955099	20	—	—
493427 2014 WN_{291}	16.1	X	165.62375	252.66527	93.23649	15.87765	0.1798903	0.23307968	2.6149684	20	2 8.8	20.5
493428 2014 WD_{293}	16.2	X	152.68559	166.33891	109.41840	16.95029	0.0477846	0.18198714	3.0839613	20	—	—
493429 2014 WF_{299}	16.2	X	162.89543	211.03480	97.27796	16.69626	0.1358511	0.21541030	2.7560795	20	—	—
493430 2014 WH_{315}	15.8	X	334.57790	314.10669	87.29778	12.14123	0.0725147	0.17014943	3.2253911	20	11 9.3	20.1
493431 2014 WF_{321}	16.5	X	36.19229	238.74311	173.26056	12.18479	0.0526225	0.19771114	2.9182016	20	—	—
493432 2014 WA_{322}	16.2	X	355.03020	226.38220	199.18487	15.57000	0.0990715	0.18219612	3.0816026	20	—	—
493433 2014 WG_{322}	16.7	X	15.24546	223.53997	180.05981	10.23573	0.1122509	0.18352019	3.0667625	20	—	—
493434 2014 WW_{325}	16.7	X	54.72319	223.18476	157.57265	11.76163	0.0256205	0.19168943	2.9790007	20	—	—
493435 2014 WP_{326}	16.5	X	22.53571	307.51786	110.18548	10.84895	0.0988785	0.19241381	2.9715193	20	—	—
493436 2014 WM_{329}	16.3	X	140.51771	251.67820	68.48867	21.26256	0.1235604	0.21027105	2.8008062	20	—	—
493437 2014 WO_{336}	16.5	X	314.89577	252.47855	197.82258	15.53377	0.0937952	0.16901291	3.2398343	20	12 7.0	20.8
493438 2014 WH_{337}	16.6	X	13.93280	237.66909	150.82172	10.96276	0.0802494	0.17357002	3.1828749	20	12 17.1	21.0
493439 2014 WE_{338}	16.1	X	120.54148	219.09058	102.58944	18.68454	0.1489717	0.19963765	2.8993974	20	—	—
493440 2014 WA_{340}	16.3	X	169.19828	216.77527	100.59534	13.48746	0.1705824	0.22453474	2.6808984	20	1 6.6	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493441 2014 WM_{341}	16.3	X	89.30980	255.84759	92.04547	18.22113	0.1565054	0.19721372	2.9231065	20	—	—
493442 2014 WW_{342}	16.5	X	21.57889	272.64384	141.35479	11.32054	0.0320506	0.19032099	2.9932633	20	—	—
493443 2014 WQ_{346}	16.3	X	358.17083	38.90856	353.25335	11.30703	0.0597143	0.16822852	3.2498973	20	11 22.8	20.8
493444 2014 WS_{349}	16.5	X	19.18888	135.50017	268.25715	8.33190	0.0738811	0.18108194	3.0942303	20	—	—
493445 2014 WF_{353}	16.2	X	352.98620	170.38638	245.68199	10.41286	0.0473620	0.17386092	3.1793236	20	12 18.3	20.4
493446 2014 WJ_{361}	16.5	X	302.47106	46.51231	66.59999	18.24207	0.0539970	0.17392989	3.1784831	20	12 18.8	20.8
493447 2014 WK_{366}	13.3	X	247.18945	294.47634	47.47850	35.78334	0.0910883	0.08385882	5.1693614	20	5 1.6	20.4
493448 2014 WE_{375}	16.4	X	143.41223	249.64750	28.50645	5.49236	0.1063804	0.17923692	3.1154281	20	12 31.5	21.3
493449 2014 WB_{376}	16.7	X	136.48291	76.02589	241.86383	9.01732	0.0289517	0.19574141	2.9377460	20	—	—
493450 2014 WX_{383}	16.6	X	168.93424	252.61183	80.72809	14.04092	0.1930022	0.23608229	2.5927488	20	1 27.3	20.9
493451 2014 WC_{388}	16.1	X	169.67878	243.40931	87.69328	16.09985	0.1620864	0.22594412	2.6697382	20	1 23.8	20.5
493452 2014 WA_{389}	16.2	X	293.97121	0.26668	134.06271	17.91938	0.0889796	0.17899442	3.1182413	20	—	—
493453 2014 WF_{392}	16.0	X	164.62074	216.50051	101.08519	18.50245	0.1381871	0.21932888	2.7231538	20	—	—
493454 2014 WO_{392}	15.6	X	2.97204	323.68367	91.31623	18.17702	0.1993517	0.17538449	3.1608843	20	—	—
493455 2014 WH_{394}	16.4	X	139.51645	327.68774	18.56284	18.58443	0.2236029	0.22719550	2.6599261	20	1 23.9	20.9
493456 2014 WT_{400}	17.0	X	160.62428	304.48824	18.53472	9.17433	0.1552209	0.21772213	2.7365350	20	1 6.3	21.4
493457 2014 WT_{403}	15.8	X	177.23539	340.84927	276.05326	10.50360	0.0877069	0.18145035	3.0900405	20	—	—
493458 2014 WE_{409}	16.1	X	130.18610	227.79521	77.23285	10.28131	0.0801976	0.18166851	3.0875662	20	—	—
493459 2014 WW_{412}	15.9	X	328.32373	288.89866	227.14540	9.66630	0.0848519	0.18404314	3.0609504	20	—	—
493460 2014 WY_{416}	16.2	X	112.99293	124.14177	211.72633	11.29057	0.1264511	0.19227723	2.9729264	20	—	—
493461 2014 WL_{422}	16.3	X	179.70329	196.11864	106.67018	10.02736	0.1236559	0.20988464	2.8042428	20	—	—
493462 2014 WQ_{430}	16.0	X	195.72471	183.98329	62.89630	12.88684	0.0696099	0.19085031	2.9877262	20	—	—
493463 2014 WU_{437}	16.3	X	175.32617	342.14891	269.33218	8.33896	0.0370227	0.18058671	3.0998846	20	—	—
493464 2014 WJ_{450}	17.6	X	82.36557	145.79818	314.32686	2.86248	0.1844262	0.23192633	2.6236305	20	3 28.1	20.9
493465 2014 WM_{454}	15.9	X	226.58742	64.12223	127.97144	19.82228	0.1178963	0.17394286	3.1783251	20	12 14.5	20.8
493466 2014 WW_{462}	16.3	X	102.72434	237.61669	73.64503	11.07562	0.0749568	0.17799309	3.1299252	20	12 28.1	21.0
493467 2014 WA_{486}	16.6	X	124.42161	268.30728	104.10099	13.20550	0.2470635	0.22542043	2.6738715	20	2 8.5	20.7
493468 2014 WD_{488}	18.3	X	270.28902	262.41287	137.46550	4.72846	0.1800372	0.30413988	2.1898808	20	7 30.9	20.3
493469 2014 WY_{493}	16.4	X	353.25296	251.80036	233.21456	7.41599	0.0489069	0.17799414	3.1299129	20	—	—
493470 2014 WO_{499}	16.0	X	0.31790	296.25054	129.24430	7.29145	0.1034371	0.18136823	3.0909732	20	—	—
493471 2014 WM_{500}	15.9	X	331.83370	307.10985	135.26438	11.54031	0.1311450	0.17996994	3.1069629	20	12 26.8	19.8
493472 2014 WU_{510}	14.3	X	5.75552	325.27486	11.77070	15.02464	0.0639694	0.08288620	5.2097220	20	9 19.4	20.9
493473 2014 XC_{4}	16.2	X	54.77088	273.58200	114.04038	18.17974	0.1809259	0.20047698	2.8912993	20	—	—
493474 2014 XH_{12}	15.9	X	134.94977	19.67731	252.26025	14.44692	0.0849494	0.17005187	3.2266246	20	12 13.8	20.9
493475 2014 XT_{37}	16.3	X	9.47139	13.24644	96.64242	5.11915	0.1353767	0.18451579	3.0557209	20	—	—
493476 2014 YV_{2}	16.6	X	23.79903	328.92277	158.93430	7.06216	0.0561898	0.20173908	2.8792278	20	1 26.1	20.3
493477 2014 YN_{20}	15.9	X	27.71036	113.11819	282.48323	13.48778	0.0555516	0.18271070	3.0758140	20	—	—
493478 2014 YC_{30}	15.9	X	59.27729	129.33826	242.64481	9.20577	0.0437168	0.18176456	3.0864784	20	—	—
493479 2014 YB_{38}	16.5	X	308.41118	135.45515	44.09175	7.05195	0.0544481	0.18790552	3.0188603	20	—	—
493480 2014 YZ_{49}	5.3	X	358.08153	55.14941	131.09148	17.21088	0.0164580	0.00387167	40.1671297	20	3 29.2	21.3
493481 2015 AT_{13}	15.6	X	66.44890	317.05911	54.81402	18.26939	0.2263866	0.17442443	3.1724723	20	—	—
493482 2015 AH_{15}	16.3	X	185.29336	304.23784	46.69442	14.48708	0.0163535	0.21021386	2.8013142	20	3 5.2	20.5
493483 2015 AE_{40}	18.0	X	215.58525	321.86198	72.66621	2.65120	0.1880594	0.26401431	2.4064919	20	5 18.1	21.8
493484 2015 AU_{41}	17.4	X	17.96706	132.65351	323.81598	3.90977	0.1492788	0.18491346	3.0513384	20	—	—
493485 2015 AV_{143}	16.8	X	248.54409	265.23396	46.79798	2.76463	0.0678739	0.22591437	2.6699726	20	3 19.8	20.6
493486 2015 AE_{155}	17.1	X	137.33856	27.03525	22.98399	2.16396	0.0843545	0.22106076	2.7089123	20	3 20.1	21.0
493487 2015 AM_{175}	17.0	X	76.64241	96.17747	340.13585	4.72591	0.1018369	0.20226990	2.8741882	20	2 11.1	20.5
493488 2015 AE_{181}	17.7	X	136.57654	38.74178	6.86143	3.40900	0.0892775	0.21730889	2.7400031	20	3 14.5	21.5
493489 2015 AN_{182}	16.8	X	175.90471	267.49184	94.56154	6.19573	0.0764248	0.21324327	2.7747200	20	3 5.2	21.0
493490 2015 AZ_{186}	17.6	X	111.31038	258.05054	155.18348	3.67098	0.1826317	0.21523398	2.7575845	20	3 7.2	21.5
493491 2015 AT_{190}	17.5	X	133.34971	85.14172	318.32920	5.42926	0.0552154	0.21574972	2.7531881	20	3 2.5	21.3
493492 2015 AZ_{208}	15.7	X	346.06716	341.67582	95.41547	18.37224	0.0604777	0.17731559	3.1378928	20	—	—
493493 2015 AZ_{220}	16.7	X	159.82794	163.67722	212.17784	12.18326	0.2740073	0.23910883	2.5708238	20	3 9.3	21.4
493494 2015 AY_{253}	16.2	X	1.03458	63.42378	72.37600	2.84279	0.0528763	0.18827320	3.0149288	20	1 8.2	20.2
493495 2015 AY_{256}	16.1	X	70.02673	270.06497	106.02718	16.51496	0.1438393	0.17791106	3.1308872	20	—	—
493496 2015 AY_{264}	16.5	X	34.90145	32.51076	39.60433	10.53033	0.1644125	0.17769994	3.1333665	20	—	—
493497 2015 AR_{271}	17.9	X	341.30296	244.98233	42.10193	2.49955	0.2465673	0.26186652	2.4196324	20	6 11.1	19.1
493498 2015 AB_{277}	16.5	X	224.47435	49.09679	217.66227	8.78647	0.0211614	0.18301281	3.0724280	20	1 3.6	21.0
493499 2015 BO_{2}	17.0	X	24.02448	71.30198	23.04566	0.36625	0.1435503	0.18223506	3.0811636	20	—	—
493500 2015 BM_{10}	17.1	X	280.34133	204.59045	46.00364	4.95174	0.0175530	0.21135873	2.7911890	20	2 18.7	21.0
493501 2015 BR_{34}	17.4	X	135.49062	349.79958	59.10358	2.79759	0.0822325	0.21824269	2.7321817	20	3 17.5	21.3
493502 2015 BT_{59}	16.9	X	45.52567	338.75125	104.71476	2.10487	0.0835496	0.18591600	3.0403590	20	1 6.5	20.7
493503 2015 BF_{61}	16.5	X	155.57124	46.50688	340.80667	5.89331	0.1037741	0.21617677	2.7495610	20	3 12.7	20.5
493504 2015 BU_{87}	16.1	X	213.51212	326.39390	308.86561	4.17569	0.0963283	0.17466631	3.1695428	20	1 2.9	20.9
493505 2015 BJ_{102}	16.5	X	122.75127	184.04639	180.91712	3.41296	0.0900720	0.17902719	3.1178607	20	1 13.5	20.9
493506 2015 BX_{118}	15.9	X	261.50588	118.21763	357.13542	3.97806	0.2434612	0.12549940	3.9510113	20	9 26.9	21.7
493507 2015 BW_{126}	17.0	X	33.13863	31.99454	101.30559	3.29735	0.0138673	0.20252782	2.8717475	20	2 15.7	20.8
493508 2015 BH_{231}	17.4	X	272.88709	244.53646	29.97578	5.35294	0.0859165	0.21883401	2.7272577	20	2 29.6	21.3
493509 2015 BT_{265}	16.7	X	30.05659	276.02118	183.81984	8.68105	0.0575963	0.19046516	2.9917527	20	1 2.2	20.7
493510 2015 BG_{364}	16.9	X	176.03048	329.94608	72.66495	6.43350	0.1363514	0.24482561	2.5306465	20	4 24.3	20.8
493511 2015 BM_{519}	13.8	X	267.85337	50.91571	27.27256	22.57930	0.1504265	0.08319516	5.1968158	20	9 9.5	20.9
493512 2015 CH_{3}	16.6	X	177.50235	168.48627	198.93445	4.03577	0.0870901	0.21245289	2.7815975	20	3 10.3	20.9
493513 2015 CW_{6}	17.0	X	62.56672	275.81356	169.63522	2.94613	0.0839268	0.19318007	2.9636563	20	1 31.6	20.9
493514 2015 CV_{15}	16.9	X	146.44833	114.90147	276.95402	2.71689	0.1091854	0.21254295	2.7808117	20	3 8.9	21.1
493515 2015 CO_{21}	16.9	X	87.38588	295.05654	104.34205	3.51420	0.0741593	0.18223356	3.0811805	20	1 9.8	21.1
493516 2015 CV_{60}	16.2	X	33.10361	62.84845	19.67522	9.09175	0.1072345	0.17809571	3.1287227	20	—	—
493517 2015 DV_{12}	15.8	X	46.74878	256.63966	133.53395	14.00484	0.3023873	0.17394763	3.1782670	20	—	—
493518 2015 DV_{104}	16.5	X	48.66559	84.03909	30.89548	9.10291	0.0906276	0.20164161	2.8801555	20	2 22.0	20.2
493519 2015 DG_{107}	16.4	X	39.10742	27.91728	44.76568	10.01051	0.0805063	0.17671829	3.1449595	20	—	—
493520 2015 DO_{109}	15.9	X	220.72265	234.28269	37.10289	10.55151	0.0385640	0.18024827	3.1037637	20	1 6.8	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493521 2015 DO_{111}	16.9	X	28.85541	39.35294	44.13867	10.83159	0.0541178	0.17355533	3.1830546	20	—	—
493522 2015 ER_{12}	16.7	X	36.85153	46.09253	35.78491	6.89201	0.1473582	0.18071938	3.0983673	20	—	—
493523 2015 FJ_{3}	16.0	X	163.23997	298.38680	42.58426	10.49783	0.0414945	0.18581172	3.0414965	20	1 27.3	20.6
493524 2015 FN_{38}	16.7	X	157.22043	259.62684	189.47745	8.71255	0.0960983	0.21949029	2.7218186	20	6 1.6	20.9
493525 2015 FZ_{38}	16.3	X	63.83892	284.17580	189.29556	10.38159	0.0571202	0.17986986	3.1081153	20	3 6.1	20.5
493526 2015 FF_{40}	14.2	X	357.48117	32.74795	335.33511	1.51755	0.0250770	0.08201538	5.2465345	20	10 9.5	20.9
493527 2015 FT_{44}	16.8	X	342.44480	188.04807	37.71309	5.17170	0.0704463	0.19114811	2.9846223	20	4 3.6	20.5
493528 2015 FZ_{71}	17.0	X	69.93311	334.49296	190.75705	4.79561	0.0957948	0.21070537	2.7969561	20	5 26.6	20.6
493529 2015 FT_{73}	18.2	X	178.40064	227.34065	5.87490	3.21588	0.1082936	0.29865774	2.2165976	20	—	—
493530 2015 FS_{77}	16.8	X	170.43377	270.99180	142.20538	2.75498	0.0615085	0.20370760	2.8606489	20	4 30.2	21.1
493531 2015 FF_{112}	13.8	X	346.20973	24.52204	338.05328	6.56734	0.0356243	0.08096711	5.2917211	20	9 19.1	20.5
493532 2015 FJ_{115}	13.8	X	280.05936	44.75765	37.72645	16.54069	0.0286445	0.08385719	5.1694282	20	10 7.6	20.7
493533 2015 FJ_{181}	14.6	X	19.82832	292.82327	30.46214	5.16237	0.0376241	0.08218497	5.2393141	20	9 18.6	21.3
493534 2015 FU_{206}	14.2	X	343.61471	157.43986	196.14204	7.19938	0.0307850	0.08229841	5.2344988	20	9 5.8	21.0
493535 2015 FJ_{227}	14.3	X	350.18411	320.09361	32.31170	5.72244	0.0538081	0.08442536	5.1462093	20	9 16.1	20.9
493536 2015 FQ_{292}	16.2	X	37.67623	290.41728	202.31330	8.32813	0.1424819	0.18406568	3.0607005	20	2 27.5	19.9
493537 2015 FB_{332}	18.0	X	89.56325	345.74185	271.11109	0.70376	0.1587781	0.26372395	2.4082579	20	11 1.4	21.5
493538 2015 GM_{3}	18.2	X	142.54076	286.50089	222.91038	2.39173	0.0785137	0.24572994	2.5244339	20	8 1.9	21.8
493539 2015 GB_{4}	17.7	X	131.45196	228.30232	339.72542	2.79930	0.1491884	0.26535303	2.3983911	20	10 10.3	21.3
493540 2015 GG_{28}	17.2	X	154.06509	84.23751	5.57937	2.75758	0.1751262	0.22722710	2.6596795	20	6 1.4	21.4
493541 2015 GE_{36}	17.0	X	66.31071	322.36683	172.96492	5.75980	0.1320651	0.19682061	2.9269974	20	4 18.0	20.7
493542 2015 GJ_{50}	18.0	X	79.09039	151.27397	129.55103	2.51554	0.1623799	0.25684111	2.4510924	20	11 21.1	21.6
493543 2015 HH_{19}	16.3	X	326.61897	62.76009	200.55671	7.69620	0.0907059	0.20241935	2.8727733	20	4 26.1	19.8
493544 2015 HQ_{20}	17.1	X	355.79659	286.08558	31.77112	11.16561	0.0576827	0.24694152	2.5161699	20	9 7.3	20.2
493545 2015 HD_{26}	16.7	X	273.87691	101.88207	197.52338	13.40006	0.1278585	0.18775322	3.0204927	20	3 26.7	21.1
493546 2015 HZ_{26}	17.1	X	339.24111	261.76436	40.26749	8.96052	0.1812767	0.22018815	2.7160646	20	7 5.6	19.8
493547 2015 HL_{56}	17.1	X	15.92215	53.76600	269.79876	10.49023	0.2478933	0.23854261	2.5748903	20	11 4.1	20.1
493548 2015 HB_{62}	17.7	X	165.19661	163.58989	17.60963	3.46990	0.1197020	0.26927346	2.3750551	20	10 11.1	21.1
493549 2015 HE_{148}	17.7	X	97.91356	235.46835	36.18545	1.63527	0.1643490	0.27044582	2.3681863	20	11 29.5	21.2
493550 2015 HP_{174}	17.3	X	114.46466	273.37895	344.25105	5.43907	0.1939716	0.27392594	2.3480857	20	11 27.6	21.1
493551 2015 HC_{175}	16.0	X	350.12567	157.49566	27.58784	13.12039	0.0936009	0.17716746	3.1396416	20	2 27.9	20.2
493552 2015 HA_{179}	15.8	X	305.23810	343.98974	255.96107	5.04488	0.1437514	0.17701670	3.1414240	20	2 18.2	20.2
493553 2015 JQ_{2}	16.6	X	48.12012	355.37590	250.54254	12.30371	0.1399752	0.22762353	2.6565905	20	8 15.1	20.2
493554 2015 JL_{5}	16.7	X	39.27289	335.93807	267.58544	13.70716	0.0778960	0.22249531	2.6972559	20	7 21.9	20.2
493555 2015 JH_{9}	18.2	X	155.38950	268.35433	34.77591	5.49679	0.2479708	0.30186709	2.2008589	20	—	—
493556 2015 KT_{4}	17.3	X	14.03732	294.16370	359.44852	8.94221	0.1604519	0.23910205	2.5708724	20	9 8.6	19.8
493557 2015 KO_{5}	16.2	X	44.31117	236.15391	285.06378	1.51065	0.0459823	0.19674063	2.9277906	20	4 6.9	20.1
493558 2015 KQ_{5}	15.8	X	37.19520	241.05278	225.94439	4.43187	0.1506789	0.17137119	3.2100429	20	1 28.4	19.6
493559 2015 KW_{5}	16.5	X	53.38278	351.24370	233.25206	12.05689	0.2276446	0.22848732	2.6498908	20	8 8.4	20.2
493560 2015 KL_{19}	16.6	X	209.52445	110.68310	259.78890	8.34911	0.0405209	0.18027035	3.1035102	20	4 18.4	21.3
493561 2015 KU_{19}	17.9	X	172.09903	196.92967	332.17856	1.82628	0.1327101	0.25680844	2.4513003	20	9 29.8	21.5
493562 2015 KO_{20}	16.1	X	320.51245	33.11419	204.01523	4.73254	0.0986543	0.17206797	3.2013711	20	3 14.0	20.3
493563 2015 KE_{21}	17.1	X	302.24468	30.13709	278.80776	2.96937	0.0655240	0.19745970	2.9206783	20	5 23.7	20.9
493564 2015 KB_{38}	17.2	X	106.89377	8.89556	211.23865	7.45284	0.1405319	0.24433694	2.5340196	20	9 27.9	21.2
493565 2015 KC_{38}	17.0	X	315.80173	144.98865	192.07702	5.63798	0.0412840	0.21911221	2.7249487	20	7 23.5	20.5
493566 2015 KW_{40}	16.3	X	243.14198	246.28575	76.13599	12.32877	0.0671694	0.17250945	3.1959069	20	4 4.9	21.2
493567 2015 KF_{42}	17.6	X	119.76967	250.96967	74.33010	5.71927	0.1725489	0.29550053	2.2323582	20	—	—
493568 2015 KF_{43}	16.8	X	211.70943	182.90452	241.91603	5.71676	0.0578733	0.21378555	2.7700258	20	6 30.4	20.7
493569 2015 KM_{45}	16.3	X	259.39609	266.07684	76.15163	12.03522	0.1146104	0.18753715	3.0228123	20	5 7.9	20.8
493570 2015 KS_{45}	15.6	X	208.12398	175.38768	98.71773	3.92665	0.1717786	0.12422972	3.9778864	20	1 2.2	21.8
493571 2015 KH_{48}	16.5	X	334.61372	15.75409	218.80683	7.88955	0.1282530	0.17787158	3.1313504	20	3 26.4	20.4
493572 2015 KD_{127}	16.9	X	39.75699	177.14558	69.86723	5.12889	0.2468496	0.22230308	2.6988106	20	8 29.9	20.1
493573 2015 KB_{137}	16.2	X	324.27587	196.80417	56.09857	7.23725	0.0991651	0.18476360	3.0529880	20	4 10.8	20.2
493574 2015 KB_{139}	16.0	X	285.42992	221.76266	59.55366	12.10095	0.0937902	0.17686590	3.1432094	20	3 30.5	20.6
493575 2015 KY_{142}	15.9	X	258.48645	84.36250	249.65834	14.41476	0.1338223	0.18360701	3.0657957	20	4 18.4	20.7
493576 2015 KE_{143}	17.2	X	54.52878	210.01682	51.25498	3.87678	0.1489773	0.23385054	2.6092186	20	9 24.4	20.6
493577 2015 KG_{143}	18.2	X	183.13771	213.92540	325.36119	0.64998	0.1241125	0.26846209	2.3798381	20	10 26.7	21.7
493578 2015 KZ_{144}	16.6	X	341.54532	336.76131	236.55489	4.06525	0.0824968	0.17690733	3.1427186	20	3 14.6	20.7
493579 2015 KE_{154}	16.9	X	329.22072	237.32456	48.77868	2.59168	0.1362913	0.19698226	2.9253958	20	5 25.6	20.3
493580 2015 LA_{6}	17.3	X	68.69943	345.09599	278.66107	9.22883	0.0951191	0.24607267	2.5220893	20	10 2.8	20.9
493581 2015 LS_{8}	17.5	X	77.41092	294.93982	13.24770	4.49719	0.1249991	0.27003032	2.3706150	20	12 22.1	20.9
493582 2015 LT_{31}	15.9	X	260.32462	68.91821	291.15330	8.22911	0.1004574	0.17478069	3.1681598	20	5 29.8	20.6
493583 2015 LZ_{36}	17.8	X	144.39623	55.79856	159.22107	2.06363	0.1514719	0.26634002	2.3924623	20	11 2.1	21.5
493584 2015 LJ_{37}	17.5	X	147.19557	134.93802	77.33627	6.57858	0.0561996	0.26511376	2.3998340	20	11 3.9	20.8
493585 2015 MU	16.9	X	358.14826	174.82413	102.43845	6.41159	0.1256502	0.20995608	2.8036066	20	7 6.8	20.0
493586 2015 MV	18.1	X	157.06601	20.40313	220.38711	3.78125	0.1125585	0.28074799	2.3098917	20	12 20.1	21.3
493587 2015 MU_{7}	15.8	X	209.23376	129.04246	287.22337	9.58784	0.0751306	0.17701751	3.1414144	20	6 14.9	20.5
493588 2015 MK_{20}	16.2	X	18.95300	158.99473	42.01180	10.82650	0.0163298	0.19112117	2.9849028	20	4 24.0	20.2
493589 2015 MS_{21}	16.9	X	29.26948	1.58289	267.66527	5.31978	0.1425028	0.22710807	2.6606087	20	8 22.1	20.0
493590 2015 MV_{21}	16.1	X	266.40321	64.39469	250.16507	8.29030	0.0680748	0.18661188	3.0327959	20	4 12.0	20.5
493591 2015 MD_{25}	16.4	X	81.31572	265.84110	250.56362	13.69310	0.0944049	0.20449547	2.8532966	20	5 29.4	20.3
493592 2015 MC_{28}	16.2	X	151.27922	137.21580	285.51810	8.89529	0.0706117	0.18730433	3.0253166	20	4 16.9	20.9
493593 2015 MB_{51}	16.8	X	318.88831	357.69749	335.52499	5.81955	0.2886985	0.18507305	3.0495839	20	6 20.1	20.0
493594 2015 MD_{65}	16.3	X	322.13776	348.45387	310.78379	8.03845	0.0824804	0.18085034	3.0968713	20	6 6.5	20.4
493595 2015 ML_{70}	16.3	X	255.41382	112.20885	253.98604	10.24116	0.1123210	0.17586348	3.1551423	20	5 30.8	21.0
493596 2015 MS_{75}	16.6	X	284.00221	64.91719	277.04628	9.92568	0.0571659	0.18091177	3.0961702	20	6 12.7	20.8
493597 2015 MQ_{76}	17.3	X	320.99325	188.33035	213.94962	4.86017	0.1270655	0.23044860	2.6348345	20	10 30.6	19.9
493598 2015 MW_{76}	16.4	X	312.29602	70.50630	257.37864	8.61916	0.1096671	0.18781685	3.0198104	20	6 26.9	20.2
493599 2015 MU_{83}	16.7	X	347.09832	13.39562	262.89920	8.09726	0.0612900	0.18094988	3.0957355	20	6 15.9	20.7
493600 2015 MS_{89}	16.4	X	267.95214	135.66739	239.80882	17.40544	0.1458248	0.18310516	3.0713949	20	6 20.7	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493601 2015 MO_{91}	17.1	X	342.62724	128.61757	199.34730	14.01857	0.2771075	0.18973958	2.9993749	20	8 10.2	19.9
493602 2015 MP_{92}	17.6	X	49.67237	189.81074	103.13525	4.92586	0.1813046	0.24300992	2.5432363	20	11 5.3	21.1
493603 2015 MN_{95}	17.0	X	275.71112	254.28590	184.72627	3.55999	0.1335127	0.23112079	2.6297232	20	10 3.0	20.1
493604 2015 MD_{104}	15.8	X	252.97506	76.29859	288.64502	14.41483	0.0976925	0.17460233	3.1703171	20	5 27.4	20.6
493605 2015 ME_{114}	16.8	X	305.08706	125.36246	226.29519	9.01323	0.1040343	0.19260581	2.9695442	20	7 17.1	20.8
493606 2015 MG_{123}	16.4	X	274.18534	98.30671	275.73325	16.11567	0.3689359	0.17151564	3.2082404	20	5 28.7	21.6
493607 2015 MO_{123}	16.5	X	342.04855	39.29468	268.05910	9.14239	0.0943651	0.19176986	2.9781677	20	7 18.1	20.2
493608 2015 MZ_{125}	16.0	X	253.78279	58.16451	308.69424	9.87295	0.0717131	0.17391722	3.1786374	20	6 3.3	20.7
493609 2015 NH_{8}	15.9	X	274.41532	78.87609	269.97413	9.43414	0.0645512	0.17513770	3.1638529	20	6 7.8	20.4
493610 2015 NY_{8}	16.5	X	231.64639	152.51084	299.28026	11.38950	0.0685865	0.20933616	2.8091389	20	8 24.1	20.6
493611 2015 NU_{9}	17.7	X	66.24377	105.02817	282.58891	9.49980	0.2655474	0.27012850	2.3700406	20	—	—
493612 2015 OC	17.1	X	316.80658	297.75743	76.20896	5.03605	0.1010753	0.21429018	2.7656753	20	9 13.6	20.3
493613 2015 OR_{9}	16.6	X	242.40301	169.81356	249.65267	8.21259	0.0350814	0.19689458	2.9262642	20	7 30.9	20.8
493614 2015 OZ_{11}	16.0	X	204.07052	128.16547	308.27103	13.60816	0.0731355	0.18308610	3.0716080	20	7 6.3	20.7
493615 2015 OD_{15}	16.4	X	260.65146	50.97848	335.60906	9.54798	0.0846538	0.18404115	3.0609725	20	7 7.8	20.9
493616 2015 OC_{19}	15.8	X	31.54486	353.61680	263.38858	15.40968	0.1227180	0.19035617	2.9928945	20	7 29.6	19.8
493617 2015 OG_{20}	16.6	X	303.35138	86.46607	260.13351	8.43927	0.2360054	0.17814942	3.1280938	20	6 18.9	20.5
493618 2015 ON_{41}	17.4	X	324.21163	114.91525	332.67448	11.43828	0.1862366	0.23103439	2.6303788	20	—	—
493619 2015 OK_{70}	16.7	X	330.10233	96.06599	278.04248	5.47518	0.0498746	0.22071777	2.7117179	20	10 1.9	20.2
493620 2015 OC_{76}	16.1	X	276.73758	225.75464	175.53426	16.88521	0.2104633	0.17491154	3.1665795	20	7 24.1	20.8
493621 2015 PH_{9}	17.9	X	40.33342	310.01393	45.62758	4.42155	0.3517609	0.23295637	2.6158911	20	—	—
493622 2015 PV_{9}	16.6	X	354.87094	82.49751	249.96166	11.66107	0.2046398	0.20386986	2.8591309	20	9 16.8	19.8
493623 2015 PE_{21}	16.6	X	319.51891	307.28671	58.39135	9.20979	0.0425062	0.21137550	2.7910415	20	9 12.2	20.3
493624 2015 PX_{24}	17.0	X	305.83458	287.70527	52.68540	4.01796	0.1186642	0.18736194	3.0246965	20	7 3.3	20.8
493625 2015 PL_{29}	17.0	X	346.77225	131.72548	203.08555	7.02563	0.1579804	0.20125599	2.8838335	20	9 4.0	20.2
493626 2015 PG_{34}	18.4	X	257.31418	193.93627	170.10315	22.36499	0.0962907	0.36767082	1.9297303	20	6 5.3	21.1
493627 2015 PW_{35}	17.2	X	359.44855	331.76494	22.05408	5.67863	0.0378712	0.22147772	2.7055113	20	10 20.1	20.5
493628 2015 PT_{41}	16.6	X	323.37445	304.73321	11.75710	10.01662	0.0789437	0.18012381	3.1051932	20	7 3.5	20.8
493629 2015 PU_{48}	17.3	X	349.28001	328.61678	19.63805	4.51251	0.0810636	0.21057217	2.7981355	20	9 29.2	20.5
493630 2015 PY_{48}	17.0	X	21.07996	283.97008	31.35789	4.75119	0.0593784	0.21208942	2.7847745	20	10 1.8	20.5
493631 2015 PA_{69}	16.9	X	242.68655	146.21930	305.27208	8.45197	0.0643648	0.21830151	2.7316909	20	9 8.6	20.7
493632 2015 PW_{75}	16.4	X	249.51078	64.79504	312.18182	10.80323	0.1425901	0.17230041	3.1984913	20	6 2.1	21.4
493633 2015 PQ_{95}	16.0	X	302.19354	194.32283	137.07648	4.79884	0.1133171	0.18022242	3.1040605	20	6 16.2	20.1
493634 2015 PO_{115}	17.2	X	359.68791	253.72770	73.71947	2.86778	0.0740079	0.21089082	2.7953161	20	9 17.9	20.7
493635 2015 PZ_{124}	18.0	X	304.25751	290.15537	61.55577	2.86144	0.2370279	0.18497033	3.0507129	20	6 27.6	21.7
493636 2015 PG_{141}	18.0	X	4.86469	53.12028	331.72938	11.03402	0.3090878	0.22916441	2.6446687	20	—	—
493637 2015 PB_{179}	17.5	X	26.25375	242.05193	65.44708	5.28903	0.0631623	0.21175795	2.7876799	20	9 30.8	21.1
493638 2015 PD_{221}	16.8	X	99.25411	5.47656	236.55276	8.96383	0.1462845	0.21724967	2.7405010	20	10 13.9	21.1
493639 2015 PL_{239}	16.1	X	279.34970	35.19656	315.17248	9.60725	0.0695104	0.17737123	3.1372366	20	6 15.6	20.6
493640 2015 PA_{253}	18.0	X	26.50989	54.75529	17.45276	7.09841	0.1142578	0.27519719	2.3408489	20	—	—
493641 2015 PJ_{263}	16.7	X	335.43166	330.18882	310.57393	5.23196	0.1200314	0.17662527	3.1460635	20	5 29.9	20.7
493642 2015 PM_{294}	17.8	X	281.24388	322.49040	348.13388	18.30653	0.1005319	0.34977185	1.9950149	20	4 5.4	20.2
493643 2015 PR_{302}	17.7	X	7.50196	274.04900	129.99996	13.57512	0.2766519	0.23279179	2.6171239	20	—	—
493644 2015 QE_{7}	17.1	X	344.52583	47.37055	322.77434	6.79687	0.1369298	0.21564366	2.7540908	20	10 21.2	20.2
493645 2015 QL_{9}	17.8	X	47.03072	189.70586	170.57600	5.94641	0.3097757	0.23310322	2.6147923	20	—	—
493646 2015 RM	18.7	X	94.22362	65.15737	322.88581	1.80251	0.2120203	0.27989938	2.3145581	20	1 4.9	20.8
493647 2015 RB_{3}	16.5	X	27.98840	348.15337	336.18233	11.35898	0.0656818	0.21732216	2.7398916	20	10 18.7	20.2
493648 2015 RX_{16}	18.9	X	109.74863	87.93784	288.36557	3.68417	0.1712843	0.28111404	2.3078860	20	1 5.5	21.3
493649 2015 RS_{21}	18.2	X	29.79983	109.22942	319.84158	6.13399	0.0911854	0.26874799	2.3781499	20	—	—
493650 2015 RU_{23}	16.9	X	328.58296	84.94858	340.65885	15.76258	0.1983527	0.22448397	2.6813026	20	12 18.5	19.8
493651 2015 RY_{25}	16.1	X	14.00345	321.37679	319.55786	11.21593	0.1418526	0.18523784	3.0477751	20	8 9.3	19.4
493652 2015 RW_{27}	17.7	X	24.36610	33.80654	13.71107	4.38109	0.2546729	0.23427327	2.6060789	20	—	—
493653 2015 RJ_{31}	18.0	X	78.46284	24.18541	50.25203	5.27975	0.1618944	0.28990198	2.2610071	20	2 5.9	20.1
493654 2015 RY_{37}	18.0	X	77.41598	108.96180	255.62865	1.06701	0.2385576	0.25937096	2.4351281	20	—	—
493655 2015 RF_{50}	18.0	X	248.22250	241.98296	309.99221	4.45097	0.0440723	0.25826388	2.4420821	20	—	—
493656 2015 RN_{53}	18.0	X	207.86158	26.63944	214.25846	2.95121	0.0647145	0.26397094	2.4067555	20	—	—
493657 2015 RP_{83}	18.0	X	137.83526	288.30342	191.48274	21.59997	0.0707808	0.36524924	1.9382502	20	6 19.6	20.8
493658 2015 RU_{84}	16.1	X	358.77573	32.76107	242.89843	16.70329	0.1910143	0.17785961	3.1314910	20	7 2.0	19.6
493659 2015 RU_{86}	18.0	X	87.32867	73.12291	292.91436	8.01731	0.2668929	0.26351909	2.4095059	20	—	—
493660 2015 RV_{89}	17.7	X	110.77586	48.98813	321.73179	9.30525	0.2439604	0.27440451	2.3453548	20	1 13.9	20.5
493661 2015 RK_{90}	18.1	X	112.63685	170.13509	183.09466	1.01094	0.1944308	0.26940254	2.3742963	20	—	—
493662 2015 RV_{93}	17.2	X	38.65344	108.61623	349.50193	8.26553	0.0764116	0.29154858	2.2524860	20	—	—
493663 2015 RW_{96}	18.4	X	106.74413	346.89180	30.73179	2.76733	0.2129606	0.28184720	2.3038820	20	1 10.1	20.9
493664 2015 RL_{98}	17.0	X	30.44185	251.22872	171.62134	6.76478	0.1373972	0.26003292	2.4309936	20	—	—
493665 2015 RC_{101}	17.6	X	1.87682	20.33572	354.14790	13.56854	0.1915753	0.21934098	2.7230536	20	12 5.7	21.0
493666 2015 RL_{102}	17.0	X	358.78049	64.29641	342.08821	30.17942	0.2145026	0.23521779	2.5990977	20	—	—
493667 2015 RF_{108}	17.9	X	268.48280	331.77837	13.70474	20.90712	0.0888919	0.35627448	1.9706655	20	5 11.9	20.4
493668 2015 RT_{108}	15.9	X	264.92441	59.89920	24.77713	16.55863	0.2362326	0.18116397	3.0932961	20	9 9.4	20.4
493669 2015 RT_{114}	18.7	X	103.19710	347.00893	30.26670	6.26797	0.2483925	0.27847653	2.3224354	20	1 11.7	21.3
493670 2015 RV_{122}	17.0	X	351.46129	268.33606	143.20121	13.53456	0.1799426	0.22860671	2.6489681	20	—	—
493671 2015 RR_{123}	18.1	X	91.41339	33.05366	323.09397	0.65844	0.2002224	0.26202465	2.4186588	20	—	—
493672 2015 RK_{191}	17.4	X	112.75968	260.74751	26.04368	3.62891	0.1424670	0.23859081	2.5745435	20	12 25.1	21.5
493673 2015 RU_{193}	17.9	X	10.38725	229.74961	180.10576	3.46144	0.1975375	0.23293487	2.6160521	20	—	—
493674 2015 RT_{213}	18.4	X	83.79962	8.52215	3.03724	2.15516	0.2156024	0.26456758	2.4031357	20	—	—
493675 2015 RP_{222}	17.6	X	339.36878	283.81912	172.22202	4.87882	0.2206320	0.23283141	2.6168269	20	—	—
493676 2015 RR_{222}	18.7	X	55.44788	314.42675	159.73705	1.94519	0.1555589	0.29188057	2.2507776	20	2 18.2	20.5
493677 2015 RR_{229}	17.7	X	24.66395	61.90642	33.72212	5.78010	0.0630061	0.26785174	2.3834519	20	—	—
493678 2015 RT_{232}	17.0	X	301.07887	77.01888	40.26506	11.32453	0.1656903	0.22516906	2.6758611	20	—	—
493679 2015 RA_{236}	17.3	X	319.37875	297.22320	134.04930	10.10603	0.1340252	0.20479867	2.8504797	20	12 1.3	20.6
493680 2015 RR_{236}	17.9	X	84.26825	264.01878	130.77525	7.64982	0.1088633	0.26274589	2.4142307	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493681 2015 RY_{236}	17.4	X	94.18685	300.05039	89.82822	7.89037	0.1016020	0.26600760	2.3944551	20	—	—
493682 2015 RM_{238}	17.2	X	26.49837	273.94131	154.00891	12.88832	0.1426495	0.24161920	2.5529859	20	—	—
493683 2015 RU_{243}	17.8	X	142.56063	330.42066	50.84025	4.40109	0.1149294	0.29678973	2.2258888	20	2 15.1	20.6
493684 2015 SU_{1}	16.0	X	226.64221	133.31126	320.38700	13.76457	0.2398521	0.17153544	3.2079935	20	8 5.0	21.3
493685 2015 SD_{5}	17.9	X	61.87326	186.85034	214.61862	8.33165	0.1596471	0.26249866	2.4157463	20	—	—
493686 2015 SR_{15}	18.1	X	81.26733	122.75092	250.10298	2.56607	0.2430484	0.26122937	2.4235652	20	—	—
493687 2015 SD_{17}	17.7	X	328.71727	328.94533	334.03741	23.42403	0.1220900	0.36826431	1.9276564	20	7 6.6	19.6
493688 2015 SH_{19}	17.3	X	25.32542	249.67041	163.75545	8.12537	0.1931441	0.23905502	2.5712095	20	—	—
493689 2015 TV_{2}	17.9	X	12.93304	211.18508	258.68817	4.23188	0.0719673	0.26816805	2.3815774	20	—	—
493690 2015 TE_{25}	17.1	X	339.11956	8.38981	91.56152	14.17566	0.0885613	0.24458655	2.5322952	20	—	—
493691 2015 TV_{25}	17.6	X	3.78612	95.35384	8.85763	10.62406	0.2211220	0.25709487	2.4494793	20	—	—
493692 2015 TB_{26}	17.1	X	306.49081	176.50424	1.24796	6.81736	0.0400055	0.28129883	2.3068752	20	—	—
493693 2015 TW_{26}	17.4	X	81.59279	151.49158	265.26350	5.44152	0.0701695	0.28334334	2.2957647	20	1 2.5	19.7
493694 2015 TY_{26}	18.4	X	45.25902	51.00069	308.13607	4.48209	0.2865361	0.23458657	2.6037580	20	—	—
493695 2015 TK_{43}	18.1	X	122.48541	115.77798	291.46456	2.13307	0.1347797	0.29827560	2.2184904	20	2 24.9	20.7
493696 2015 TL_{47}	17.6	X	331.28107	230.87028	197.19611	13.66160	0.2526845	0.21931479	2.7232704	20	12 28.8	20.2
493697 2015 TM_{70}	18.1	X	171.51117	14.77390	3.25215	6.18995	0.0769468	0.30466839	2.1873475	20	3 10.2	21.0
493698 2015 TS_{71}	17.7	X	172.77354	275.12833	17.60086	1.72600	0.1786868	0.26426082	2.4049951	20	—	—
493699 2015 TZ_{71}	16.6	X	298.31241	16.91114	29.17045	11.28081	0.1726730	0.17949150	3.1124816	20	9 14.1	20.5
493700 2015 TA_{72}	17.0	X	277.49044	247.12211	228.26321	7.94406	0.2881602	0.19140732	2.9819271	20	10 20.2	20.6
493701 2015 TS_{74}	18.0	X	273.74209	21.84614	214.77745	5.44844	0.0596316	0.28085504	2.3093046	20	1 4.3	21.0
493702 2015 TD_{75}	16.8	X	224.45765	93.38100	43.70910	11.34590	0.0886947	0.18459778	3.0548161	20	10 13.0	21.3
493703 2015 TP_{75}	18.7	X	132.87967	308.49736	42.68258	2.57395	0.2161111	0.27469466	2.3437030	20	1 10.0	21.9
493704 2015 TJ_{81}	16.3	X	96.00495	301.89081	37.11522	29.06484	0.1495062	0.24071263	2.5593920	20	—	—
493705 2015 TC_{83}	17.4	X	48.17822	1.35321	39.45356	6.38806	0.1201114	0.24074518	2.5591613	20	—	—
493706 2015 TB_{87}	18.0	X	346.58638	8.62245	201.96234	6.62637	0.1324663	0.30102041	2.2049839	20	2 24.2	20.1
493707 2015 TD_{101}	17.7	X	11.84396	255.22484	161.72260	6.22274	0.2310130	0.22549174	2.6733078	20	—	—
493708 2015 TN_{107}	16.6	X	347.90414	42.84157	60.58395	22.78563	0.0409320	0.23550680	2.5969709	20	—	—
493709 2015 TP_{108}	17.4	X	317.95810	286.07215	177.00932	9.13558	0.1685859	0.21029544	2.8005896	20	—	—
493710 2015 TG_{109}	17.9	X	155.83301	214.50084	152.21243	7.55010	0.1298209	0.28637403	2.2795387	20	2 11.6	20.9
493711 2015 TP_{111}	18.2	X	303.28580	82.65798	169.67243	5.36919	0.0593939	0.29840766	2.2178359	20	3 2.1	20.5
493712 2015 TB_{112}	17.4	X	309.32513	317.20884	194.33742	7.26933	0.1795485	0.22671495	2.6636834	20	—	—
493713 2015 TK_{112}	17.6	X	23.18280	274.64903	139.58410	6.93684	0.2079295	0.22788047	2.6545932	20	—	—
493714 2015 TQ_{119}	17.0	X	32.28115	249.94686	125.42988	15.94826	0.1590687	0.21080243	2.7960975	20	—	—
493715 2015 TL_{120}	16.8	X	354.26198	280.26612	190.23936	21.64353	0.0823148	0.23212586	2.6221269	20	—	—
493716 2015 TL_{121}	17.0	X	61.78774	213.86152	147.96634	15.40985	0.1793157	0.22289346	2.6940428	20	—	—
493717 2015 TG_{125}	17.7	X	304.52535	0.51978	113.15459	9.05730	0.1737273	0.21523903	2.7575414	20	12 31.9	20.4
493718 2015 TQ_{137}	17.7	X	70.39281	294.66357	138.55077	8.55056	0.0898580	0.27149238	2.3620964	20	1 12.5	20.1
493719 2015 TE_{147}	18.0	X	335.37127	71.81569	206.07687	22.11996	0.0083979	0.34750884	2.0036667	20	6 4.8	20.4
493720 2015 TB_{149}	19.0	X	122.22610	177.37237	194.82339	2.87622	0.2483247	0.28353498	2.2947301	20	1 26.9	22.0
493721 2015 TG_{150}	17.5	X	17.61457	280.13890	191.71900	10.17229	0.1507785	0.27312750	2.3526596	20	—	—
493722 2015 TB_{153}	18.2	X	52.36667	239.85756	165.84147	1.31751	0.1822400	0.25703195	2.4498790	20	—	—
493723 2015 TN_{158}	18.3	X	304.37592	122.14287	193.90455	21.49281	0.0763069	0.36223020	1.9490050	20	6 6.0	20.6
493724 2015 TZ_{158}	17.2	X	21.63902	93.54215	197.65802	9.64070	0.2596144	0.19222228	2.9734929	20	9 22.5	20.5
493725 2015 TX_{165}	17.5	X	17.68553	347.25737	39.64830	9.86268	0.2416261	0.22274436	2.6952449	20	—	—
493726 2015 TQ_{169}	17.0	X	340.44184	10.31451	65.73832	10.07236	0.0623707	0.22395833	2.6854964	20	—	—
493727 2015 TC_{170}	17.9	X	207.23726	254.58684	73.99927	6.85431	0.1420432	0.30647596	2.1787385	20	2 16.8	21.2
493728 2015 TN_{170}	17.8	X	116.83326	273.75899	111.68642	4.25868	0.1536756	0.27936436	2.3175123	20	1 25.6	20.5
493729 2015 TA_{173}	17.1	X	349.18093	39.57772	49.90204	12.15869	0.1702017	0.23043138	2.6349657	20	—	—
493730 2015 TM_{175}	17.5	X	111.41556	147.54030	190.40580	14.33684	0.0693065	0.24580644	2.5239100	20	—	—
493731 2015 TO_{177}	17.4	X	136.72783	297.10415	74.45631	7.55814	0.1300162	0.28309199	2.2971234	20	1 29.8	20.5
493732 2015 TP_{177}	18.0	X	86.86891	0.51395	16.28124	25.71044	0.2404203	0.27031655	2.3689413	20	—	—
493733 2015 TU_{177}	17.8	X	101.05491	255.71767	169.90343	7.16484	0.0588285	0.29429606	2.2384450	20	2 8.6	20.4
493734 2015 TK_{193}	17.8	X	120.48605	30.82689	0.44939	7.10445	0.1567729	0.29089391	2.2558643	20	2 8.2	20.6
493735 2015 TP_{195}	17.0	X	353.35492	160.73216	255.95110	9.97693	0.1599277	0.22560753	2.6723930	20	—	—
493736 2015 TU_{195}	17.1	X	19.15242	33.42171	31.08013	13.87556	0.1928405	0.23773150	2.5807438	20	—	—
493737 2015 TL_{198}	18.2	X	133.61013	354.20306	352.76780	3.99431	0.1709735	0.27564062	2.3383377	20	—	—
493738 2015 TJ_{200}	17.0	X	100.55005	349.67282	314.42750	6.56574	0.1925163	0.23812689	2.5778863	20	—	—
493739 2015 TV_{201}	16.2	X	262.91976	66.50608	9.60715	25.95117	0.2028207	0.17483862	3.1674600	20	9 4.3	21.0
493740 2015 TR_{202}	17.2	X	357.11318	257.80822	186.45354	10.35166	0.2535857	0.23118149	2.6292629	20	—	—
493741 2015 TO_{203}	18.3	X	287.73879	169.23660	209.27614	21.65612	0.0869908	0.37809348	1.8941015	20	8 15.4	20.5
493742 2015 TB_{204}	17.9	X	74.74579	2.06015	32.96865	7.14196	0.1481091	0.26001467	2.4311074	20	—	—
493743 2015 TE_{205}	18.3	X	124.15590	225.94216	131.56771	2.12078	0.1955063	0.27184263	2.3600671	20	1 5.1	21.2
493744 2015 TQ_{214}	18.6	X	88.36619	148.55482	211.20550	2.14946	0.1816654	0.25919527	2.4362284	20	—	—
493745 2015 TB_{222}	16.5	X	155.32772	211.72222	25.75066	14.00094	0.2050108	0.23476079	2.6024697	20	11 29.3	21.0
493746 2015 TZ_{224}	15.8	X	267.78119	217.74493	233.61823	22.47790	0.1538975	0.18089394	3.0963737	20	9 18.7	20.4
493747 2015 TM_{234}	15.9	X	262.88204	57.64322	8.21388	26.28285	0.1671308	0.17247673	3.1963111	20	8 28.4	20.8
493748 2015 TN_{243}	17.4	X	3.14423	69.24403	5.54479	6.82569	0.1987963	0.23117391	2.6293204	20	—	—
493749 2015 TS_{249}	17.1	X	27.48127	208.23691	215.74261	14.48325	0.1033751	0.24101115	2.5572781	20	—	—
493750 2015 TZ_{251}	17.8	X	78.57079	215.62175	193.55342	5.74929	0.1619581	0.26809397	2.3820161	20	1 1.8	20.2
493751 2015 TR_{256}	16.7	X	257.03006	98.39528	1.08022	14.67349	0.1868810	0.17277322	3.1926534	20	9 17.9	21.4
493752 2015 TZ_{259}	17.7	X	1.12046	55.09425	23.61167	5.80238	0.2348810	0.23212449	2.6221372	20	—	—
493753 2015 TL_{260}	18.3	X	262.73127	160.35656	217.74016	19.99586	0.0913017	0.36199622	1.9498447	20	6 30.3	20.8
493754 2015 TV_{274}	17.7	X	308.60940	247.88026	205.93473	13.10635	0.0788033	0.22404084	2.6848370	20	12 17.7	21.1
493755 2015 TA_{293}	18.7	X	116.88098	26.80655	17.24950	3.07620	0.1480494	0.29622335	2.2287252	20	2 17.6	21.3
493756 2015 TP_{298}	18.4	X	309.44391	119.78584	232.91708	16.63699	0.1156071	0.37962432	1.8890061	20	8 9.9	20.1
493757 2015 TU_{303}	17.7	X	95.50296	217.87245	162.96201	6.64358	0.1373732	0.26613698	2.3936790	20	—	—
493758 2015 TA_{306}	18.0	X	18.61789	58.44826	52.83220	6.97798	0.0852389	0.26903880	2.3764359	20	—	—
493759 2015 TC_{306}	17.4	X	347.61475	321.86197	133.22080	4.33088	0.1360211	0.23812968	2.5778661	20	—	—
493760 2015 TQ_{311}	16.4	X	351.68024	121.44497	3.31429	13.05790	0.1225450	0.24488535	2.5302350	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493761 2015 TO_{314}	18.7	X	135.63978	77.32835	343.88999	5.06685	0.1391801	0.31178562	2.1539320	20	3 30.2	21.6
493762 2015 TY_{319}	18.2	X	298.56086	193.40656	35.98215	4.92790	0.1006798	0.30296056	2.1955600	20	1 18.4	20.9
493763 2015 TH_{321}	17.0	X	96.77274	319.59387	355.10352	9.85087	0.2260698	0.23973600	2.5663382	20	—	—
493764 2015 TY_{336}	17.8	X	96.26055	209.60899	173.82543	5.67045	0.1351903	0.26811618	2.3818845	20	—	—
493765 2015 TB_{337}	17.2	X	358.25541	229.87258	175.38118	9.68731	0.2212595	0.21822514	2.7323282	20	—	—
493766 2015 TY_{345}	18.0	X	44.95294	17.93697	54.22416	5.46864	0.1754464	0.26102354	2.4248392	20	—	—
493767 2015 TY_{348}	17.1	X	115.10371	144.03466	146.77874	4.43757	0.2173716	0.23858015	2.5746202	20	—	—
493768 2015 TJ_{350}	17.9	X	110.43618	34.36932	321.10124	2.97940	0.1352982	0.26578460	2.3957942	20	—	—
493769 2015 UD_{2}	17.3	X	332.11899	229.53592	189.59438	11.34935	0.0763721	0.21619923	2.7493706	20	12 7.2	20.8
493770 2015 UG_{7}	17.5	X	37.52220	301.76494	96.10650	10.55376	0.2107196	0.23906062	2.5711694	20	—	—
493771 2015 UH_{8}	18.1	X	22.22905	325.24703	161.25510	2.98591	0.1391821	0.28130032	2.3068670	20	—	—
493772 2015 UP_{9}	17.2	X	335.53678	98.47897	30.78629	6.92036	0.0810181	0.25895352	2.4377444	20	—	—
493773 2015 UT_{10}	18.5	X	60.30446	9.22823	56.41865	2.16816	0.1374304	0.26992200	2.3712492	20	—	—
493774 2015 UD_{12}	17.6	X	320.14817	258.58756	199.70584	16.66062	0.2899214	0.21807210	2.7336064	20	—	—
493775 2015 UN_{20}	18.6	X	76.50029	63.56137	41.55105	3.41674	0.1230239	0.29844639	2.2176440	20	3 11.4	20.8
493776 2015 UH_{22}	17.8	X	0.46622	299.33684	126.86289	3.07223	0.1985663	0.23060154	2.6336693	20	—	—
493777 2015 UQ_{25}	18.1	X	56.89897	335.39160	134.92327	4.05792	0.0812719	0.29224003	2.2489316	20	2 8.0	20.3
493778 2015 UA_{27}	17.7	X	340.81776	4.57420	80.06857	4.01485	0.2013430	0.22666076	2.6641079	20	—	—
493779 2015 UC_{39}	18.4	X	26.90167	346.55139	93.51076	2.86081	0.1641584	0.25415981	2.4683011	20	—	—
493780 2015 UX_{39}	18.2	X	47.11041	266.39435	152.35817	1.87792	0.1760545	0.25569859	2.4583884	20	—	—
493781 2015 UE_{40}	18.3	X	77.99048	165.73370	176.07223	2.37877	0.2060199	0.24246912	2.5470165	20	—	—
493782 2015 UT_{42}	16.3	X	219.89263	314.32090	190.66720	17.30289	0.1821487	0.18049855	3.1008938	20	10 4.2	21.2
493783 2015 UX_{43}	16.1	X	245.49229	332.27909	146.59337	10.92612	0.1002860	0.18734965	3.0248288	20	10 14.7	20.5
493784 2015 UE_{45}	17.9	X	85.76099	258.02591	146.04298	6.41308	0.0842251	0.26736882	2.3863211	20	—	—
493785 2015 UL_{46}	17.6	X	353.26123	2.77053	81.52331	12.97406	0.1403054	0.22974315	2.6402253	20	—	—
493786 2015 UL_{48}	17.8	X	94.34117	271.69104	124.04182	7.60353	0.0800762	0.26601973	2.3943823	20	—	—
493787 2015 UM_{48}	16.8	X	314.49147	36.51187	73.39735	16.98172	0.2533784	0.21190730	2.7863699	20	—	—
493788 2015 UT_{55}	16.4	X	341.26354	250.67822	193.01192	21.68516	0.0797303	0.23224390	2.6212383	20	—	—
493789 2015 UG_{63}	16.1	X	230.15901	44.78032	76.07345	27.64450	0.2201516	0.17450706	3.1714707	20	9 26.9	21.6
493790 2015 UL_{66}	16.2	X	277.64526	322.33182	100.94980	15.35852	0.2013875	0.17036693	3.2226454	20	8 30.8	20.7
493791 2015 UO_{68}	18.4	X	129.83185	232.28773	166.20651	7.02661	0.0767700	0.29835173	2.2181131	20	2 13.7	21.0
493792 2015 UX_{68}	18.7	X	70.13564	239.53913	175.30867	3.26735	0.1184438	0.26701399	2.3884347	20	—	—
493793 2015 UM_{72}	17.9	X	54.46822	329.97753	71.75838	5.66415	0.1319760	0.25755940	2.4465332	20	—	—
493794 2015 UJ_{80}	16.8	X	269.97598	305.24748	135.21061	15.59789	0.3155943	0.17431058	3.1738536	20	8 22.6	21.3
493795 2015 UV_{81}	16.0	X	252.19279	59.28987	12.16200	25.86372	0.3005051	0.16996390	3.2277379	20	8 5.8	21.6
493796 2015 UP_{83}	17.4	X	247.89910	148.93175	211.39311	21.42404	0.0660817	0.35509551	1.9750250	20	5 18.7	19.7
493797 2015 VZ_{5}	16.7	X	35.72580	213.06436	180.76777	13.75588	0.1765120	0.23523320	2.5989842	20	—	—
493798 2015 VK_{6}	15.7	X	302.05734	358.38255	51.38338	18.75775	0.1878462	0.18123070	3.0925368	20	9 29.5	19.6
493799 2015 VR_{24}	17.2	X	87.67375	327.93668	83.38092	7.74459	0.1103806	0.27210743	2.3585356	20	1 13.2	19.7
493800 2015 VX_{25}	17.4	X	57.91955	345.55262	80.63459	8.57476	0.1983629	0.25838285	2.4413325	20	—	—
493801 2015 VM_{28}	17.6	X	97.99468	101.16737	286.49425	1.81219	0.1007197	0.26881835	2.3777350	20	—	—
493802 2015 VV_{29}	16.4	X	204.24120	194.85544	30.70806	33.59962	0.1455949	0.23360001	2.6110838	20	—	—
493803 2015 VL_{38}	17.1	X	317.50569	92.40096	355.79727	7.63779	0.1457152	0.21287967	2.7778786	20	12 21.2	20.2
493804 2015 VO_{41}	16.9	X	310.46527	57.04953	87.99322	13.54706	0.1350871	0.23484317	2.6018610	20	—	—
493805 2015 VH_{55}	18.4	X	37.93761	266.33164	198.54716	4.56101	0.1107350	0.27582892	2.3372734	20	1 1.2	20.7
493806 2015 VV_{63}	16.6	X	55.21126	144.88136	241.74616	10.78739	0.1930187	0.23817665	2.5775272	20	—	—
493807 2015 VB_{67}	18.1	X	115.09074	315.13610	44.39032	3.40790	0.2027499	0.27124641	2.3635242	20	—	—
493808 2015 VV_{67}	18.0	X	190.63068	245.27755	218.33202	20.74651	0.0638206	0.37670390	1.8987566	20	7 31.0	20.7
493809 2015 VT_{72}	17.3	X	25.61846	359.32030	63.71848	8.60372	0.2982718	0.23312764	2.6146097	20	—	—
493810 2015 VK_{74}	18.3	X	158.35938	281.18022	87.64445	6.14517	0.2379639	0.29672533	2.2262109	20	2 28.3	21.8
493811 2015 VF_{83}	16.9	X	171.38942	118.82163	192.28922	14.78589	0.0038843	0.26439838	2.4041609	20	—	—
493812 2015 VV_{95}	17.2	X	86.34674	152.05333	240.81559	5.65314	0.1248967	0.26076178	2.4264616	20	—	—
493813 2015 VT_{96}	18.3	X	55.06948	243.24799	213.30285	3.79271	0.1405252	0.27116709	2.3639850	20	1 23.3	20.4
493814 2015 VY_{97}	17.4	X	355.93400	221.98320	231.59068	5.77264	0.0685551	0.23708841	2.5854085	20	—	—
493815 2015 VX_{98}	17.5	X	311.16794	117.81768	60.04036	3.32199	0.1343519	0.25539833	2.4603148	20	—	—
493816 2015 VL_{101}	18.1	X	184.14627	265.27814	87.27343	4.94458	0.1161212	0.29788606	2.2204241	20	2 23.8	21.2
493817 2015 VC_{102}	17.3	X	323.50478	353.56760	143.21614	5.51299	0.1290127	0.23864890	2.5741257	20	—	—
493818 2015 VK_{102}	17.5	X	106.59042	347.45413	49.51955	4.86180	0.1139262	0.27262577	2.3555452	20	1 23.1	20.2
493819 2015 VN_{112}	16.6	X	305.58946	78.36286	50.85139	12.76790	0.0362192	0.23168268	2.6254697	20	—	—
493820 2015 VU_{113}	16.9	X	283.56289	260.31326	192.62084	10.27974	0.2831939	0.18137803	3.0908619	20	9 29.8	20.6
493821 2015 VD_{114}	17.5	X	9.65707	113.73031	309.46832	3.93159	0.1848960	0.23301400	2.6154598	20	—	—
493822 2015 VJ_{118}	17.9	X	117.29643	240.69844	148.68692	5.81626	0.1660080	0.27946127	2.3169765	20	2 1.6	20.6
493823 2015 VK_{119}	17.2	X	102.65891	319.67880	59.34589	5.64579	0.1199686	0.26284849	2.4136024	20	—	—
493824 2015 VR_{119}	16.3	X	287.61125	188.34585	239.57827	16.30738	0.2520405	0.17995476	3.1071377	20	8 31.7	20.6
493825 2015 VC_{120}	17.0	X	30.56549	205.18306	211.15927	11.32190	0.1128500	0.23655014	2.5893291	20	—	—
493826 2015 VV_{120}	17.0	X	44.03011	319.89627	90.24366	6.61008	0.1866574	0.24075300	2.5591059	20	—	—
493827 2015 VY_{120}	17.0	X	52.87260	315.55331	82.72636	15.07190	0.1174492	0.23948445	2.5681349	20	—	—
493828 2015 VZ_{122}	17.4	X	95.20792	120.26767	242.59684	13.59208	0.1416688	0.25331593	2.4737799	20	—	—
493829 2015 VB_{124}	16.6	X	33.25959	163.49237	259.42961	10.96751	0.1738702	0.23717048	2.5848120	20	—	—
493830 2015 VC_{127}	16.9	X	61.22519	20.38755	50.97326	12.92943	0.1219114	0.26498039	2.4006392	20	—	—
493831 2015 VA_{129}	17.0	X	21.11850	13.55874	48.83635	10.86747	0.1516965	0.23435917	2.6054421	20	—	—
493832 2015 VF_{129}	17.4	X	24.51009	270.36852	149.42814	12.63940	0.1711302	0.23379930	2.6095998	20	—	—
493833 2015 VL_{129}	16.3	X	287.38855	5.46721	49.84739	13.73089	0.1436213	0.17716509	3.1396696	20	9 15.9	20.6
493834 2015 VS_{131}	16.3	X	277.83928	332.26450	87.48765	10.76667	0.2457749	0.17931219	3.1145563	20	8 19.3	20.6
493835 2015 VT_{133}	17.4	X	122.56501	221.65835	128.30569	3.79159	0.2069655	0.26659264	2.3909506	20	—	—
493836 2015 VT_{136}	17.1	X	12.44372	202.93413	205.43315	13.81366	0.2837974	0.21845847	2.7303823	20	—	—
493837 2015 VO_{141}	17.2	X	95.16230	200.42743	220.42818	5.99177	0.1010142	0.27548166	2.3392372	20	2 2.0	19.9
493838 2015 VT_{146}	17.2	X	318.83075	331.54945	134.13382	14.60013	0.1526549	0.21949388	2.7217889	20	—	—
493839 2015 VK_{150}	16.1	X	294.30314	260.11802	170.31889	15.76980	0.2187505	0.17938912	3.1136657	20	9 29.7	19.7
493840 2015 WP	17.7	X	313.59261	90.82696	113.63085	6.92972	0.0563544	0.28004188	2.3137729	20	1 13.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493841 2015 WA_3	18.1	X	97.82622	222.25952	195.64588	5.45244	0.1770986	0.27377007	2.3489769	20	2 15.0	20.8
493842 2015 WK_6	17.2	X	284.00659	261.64559	192.56467	4.93671	0.2060439	0.18595782	3.0399032	20	10 16.2	21.0
493843 2015 WS_6	17.3	X	352.08493	265.24826	215.47561	2.94562	0.1856511	0.23891875	2.5721871	20	—	—
493844 2015 WT_9	16.4	X	262.59428	264.54761	227.88268	4.18391	0.2073977	0.18611595	3.0381810	20	11 2.3	20.5
493845 2015 WF_{15}	16.6	X	292.09199	352.72734	74.52897	12.48283	0.2027175	0.17869536	3.1217194	20	9 29.8	20.6
493846 2015 WT_{15}	17.3	X	25.04651	330.91871	83.24800	14.20483	0.1588929	0.22827769	2.6515128	20	—	—
493847 2015 XA_9	16.5	X	293.13225	317.06998	216.58463	12.31554	0.1313206	0.23470793	2.6028604	20	—	—
493848 2015 XB_{10}	18.2	X	203.72802	172.70815	166.01421	7.86997	0.1765151	0.29855913	2.2170857	20	2 23.9	21.6
493849 2015 XC_{27}	17.6	X	9.01507	266.14453	209.24440	5.27198	0.0814003	0.25358649	2.4720199	20	—	—
493850 2015 XQ_{31}	17.6	X	258.22768	347.99568	211.81852	14.05092	0.0488665	0.24002172	2.5643011	20	—	—
493851 2015 XP_{37}	16.6	X	111.55028	135.02832	156.20507	6.63454	0.0465882	0.20917053	2.8106216	20	12 19.3	20.7
493852 2015 XX_{40}	17.2	X	291.03392	234.47522	193.13986	6.28730	0.1669949	0.18006319	3.1058901	20	9 26.3	21.1
493853 2015 XC_{54}	17.5	X	348.60150	253.88196	213.14827	14.35306	0.1544833	0.22978502	2.6399046	20	—	—
493854 2015 XJ_{56}	18.1	X	346.68676	323.24997	151.09071	3.97958	0.1152681	0.23540269	2.5977365	20	—	—
493855 2015 XC_{57}	16.8	X	109.58707	240.37057	101.18434	12.02188	0.1502524	0.24548926	2.5260836	20	—	—
493856 2015 XJ_{57}	17.1	X	329.77242	28.51740	94.92169	14.70335	0.1922866	0.22566413	2.6719461	20	—	—
493857 2015 XU_{57}	18.0	X	278.12879	174.81473	104.60935	8.79630	0.0296263	0.30017996	2.2090977	20	3 14.8	20.7
493858 2015 XB_{59}	18.0	X	325.02761	289.19546	200.61783	6.15657	0.1419579	0.22750097	2.6575445	20	—	—
493859 2015 XA_{61}	16.5	X	227.52171	36.35434	141.60566	9.67959	0.1340550	0.19590349	2.9361254	20	11 30.4	20.9
493860 2015 XX_{61}	18.0	X	141.11170	176.13284	176.66683	4.86845	0.1290451	0.26750413	2.3855163	20	1 10.3	21.3
493861 2015 XB_{62}	17.7	X	260.97994	143.05207	127.29375	6.75258	0.1603427	0.28613814	2.2807913	20	1 24.4	20.9
493862 2015 XE_{62}	16.8	X	317.57019	250.55327	226.97402	12.16614	0.0910178	0.21800970	2.7341280	20	—	—
493863 2015 XS_{65}	16.9	X	313.75208	160.36086	246.17755	8.19194	0.1529778	0.18304958	3.0720165	20	10 6.3	20.7
493864 2015 XY_{65}	16.8	X	41.17752	129.25267	269.64275	14.09009	0.1119652	0.22983232	2.6395425	20	—	—
493865 2015 XO_{67}	17.3	X	70.01512	239.70247	214.48900	7.97641	0.0579710	0.27743091	2.3282672	20	2 3.2	20.0
493866 2015 XL_{79}	18.0	X	252.19182	203.24736	77.44678	8.15741	0.1268643	0.28691150	2.2766909	20	2 2.2	21.3
493867 2015 XD_{81}	16.4	X	196.56408	71.49401	132.17116	12.98317	0.1451320	0.19135252	2.9824964	20	11 28.1	21.3
493868 2015 XQ_{82}	17.6	X	359.43563	264.79156	193.94992	14.42078	0.0703457	0.23003040	2.6380270	20	—	—
493869 2015 XQ_{91}	18.0	X	55.67889	261.84073	141.81522	3.96945	0.1647913	0.24372059	2.5382900	20	—	—
493870 2015 XW_{97}	17.0	X	86.73804	253.15535	92.42336	8.95243	0.1371557	0.23254454	2.6189786	20	—	—
493871 2015 XA_{101}	17.9	X	202.31716	195.96102	120.74192	6.53474	0.1916595	0.28730627	2.2746049	20	1 28.5	21.5
493872 2015 XQ_{101}	17.2	X	68.75658	226.86642	106.43803	10.09086	0.0364978	0.20569902	2.8421559	20	12 19.7	21.1
493873 2015 XP_{102}	16.3	X	247.34186	270.34525	223.90819	10.98732	0.0975457	0.18425814	3.0585688	20	10 31.8	20.5
493874 2015 XF_{108}	18.3	X	122.63048	206.52066	153.19782	7.11327	0.1334309	0.26052677	2.4279206	20	—	—
493875 2015 XM_{108}	16.9	X	6.01685	251.79934	119.93151	10.46402	0.0787401	0.19343098	2.9610929	20	11 22.5	20.9
493876 2015 XO_{109}	16.9	X	326.55028	308.39148	107.24845	12.62488	0.0629657	0.19122619	2.9838098	20	11 20.4	20.9
493877 2015 XW_{109}	17.4	X	159.89628	139.39180	125.07389	9.34936	0.1114220	0.21663772	2.7456594	20	—	—
493878 2015 XR_{110}	17.4	X	296.03659	120.96648	126.44061	6.35856	0.0883554	0.28676598	2.2774611	20	2 12.4	20.0
493879 2015 XV_{110}	17.3	X	130.49021	235.07705	96.83007	11.48337	0.1093838	0.24563877	2.5250585	20	—	—
493880 2015 XW_{111}	17.7	X	301.77484	334.52332	164.93031	6.21978	0.0825629	0.21905099	2.7254564	20	—	—
493881 2015 XK_{113}	17.9	X	264.02452	83.90486	173.90621	7.16215	0.0839617	0.27958250	2.3163067	20	1 17.8	21.2
493882 2015 XE_{127}	16.8	X	63.47152	352.38742	63.80109	16.04449	0.0799867	0.23446140	2.6046846	20	—	—
493883 2015 XW_{139}	17.9	X	100.56185	326.09688	61.81503	3.42920	0.1711891	0.26225016	2.4172721	20	1 12.3	20.5
493884 2015 XY_{160}	16.7	X	335.00471	300.35192	73.43941	11.55135	0.1489964	0.18052650	3.1005738	20	10 10.1	20.4
493885 2015 XC_{161}	16.9	X	273.94105	235.59935	238.90220	9.42415	0.0844189	0.19261389	2.9694611	20	11 14.4	20.8
493886 2015 XC_{164}	17.3	X	13.25188	312.98573	128.54952	14.68175	0.1301553	0.24185797	2.5513054	20	—	—
493887 2015 XV_{165}	16.6	X	277.93337	277.20565	171.73194	13.50320	0.2688951	0.17423213	3.1748062	20	9 18.3	20.6
493888 2015 XG_{166}	17.3	X	225.75458	10.53623	202.95032	4.30711	0.1009353	0.22078357	2.7111791	20	—	—
493889 2015 XP_{167}	17.1	X	17.87830	202.44775	227.43038	8.35353	0.1733105	0.21318712	2.7752071	20	—	—
493890 2015 XL_{170}	18.2	X	110.13160	355.16109	34.50920	1.80843	0.1913101	0.26906538	2.3762794	20	1 30.3	21.1
493891 2015 XX_{193}	17.9	X	136.12089	65.96411	271.31038	5.08696	0.1217913	0.25624514	2.4548914	20	—	—
493892 2015 XE_{196}	17.2	X	358.02203	170.81196	239.78329	5.14232	0.0599849	0.20515353	2.8471918	20	12 28.0	20.8
493893 2015 XZ_{201}	16.7	X	4.59196	310.14172	73.17831	15.91801	0.1459571	0.20328889	2.8645756	20	12 12.3	20.1
493894 2015 XY_{215}	16.8	X	247.90588	18.56051	91.53601	3.99466	0.0837430	0.17230015	3.1984945	20	10 5.1	21.4
493895 2015 XK_{221}	16.6	X	200.64316	91.00533	85.30996	11.39642	0.1686081	0.17647582	3.1478395	20	10 28.3	21.8
493896 2015 XS_{226}	17.8	X	325.04164	309.38259	244.61686	3.82529	0.0974991	0.26594365	2.3948389	20	1 11.2	20.8
493897 2015 XZ_{230}	16.7	X	54.80014	164.44513	245.75597	13.42061	0.0904709	0.24098713	2.5574480	20	—	—
493898 2015 XZ_{232}	16.8	X	234.46583	114.42126	89.22077	6.59912	0.1311491	0.21412589	2.7670898	20	—	—
493899 2015 XT_{233}	17.6	X	311.50727	58.45640	96.56652	4.25866	0.1045437	0.23187084	2.6240491	20	—	—
493900 2015 XX_{234}	16.4	X	237.25242	337.08240	245.85435	12.49662	0.1066442	0.23019224	2.6367903	20	—	—
493901 2015 XD_{235}	17.6	X	118.21375	289.33282	89.00803	7.28007	0.1441031	0.26529902	2.3987166	20	1 19.3	20.6
493902 2015 XT_{262}	17.5	X	89.54973	145.33213	271.18978	6.18456	0.0965257	0.26660313	2.3908880	20	1 20.8	20.3
493903 2015 XU_{266}	17.1	X	126.28181	228.96468	45.65810	2.59134	0.0357230	0.20259910	2.8710739	20	12 13.4	21.3
493904 2015 XH_{280}	17.9	X	26.77728	326.81424	109.39434	1.02964	0.1359710	0.24017351	2.5632205	20	—	—
493905 2015 XH_{283}	17.2	X	309.29350	324.02451	210.05170	2.94385	0.1670696	0.24128516	2.5553416	20	—	—
493906 2015 XK_{287}	18.2	X	122.52089	291.06014	88.19678	3.90851	0.1005458	0.26754151	2.3852941	20	1 18.9	21.2
493907 2015 XD_{289}	17.6	X	350.87655	20.10305	88.43450	11.65061	0.0575483	0.23410755	2.6073086	20	—	—
493908 2015 XX_{309}	15.9	X	230.88203	69.77504	58.57824	10.25945	0.0459517	0.17851001	3.1238800	20	10 14.9	20.4
493909 2015 XV_{310}	18.3	X	336.47570	33.69710	165.99635	3.12398	0.1154350	0.27402300	2.3475312	20	1 31.5	21.0
493910 2015 XC_{311}	16.4	X	283.26645	299.06772	160.45341	3.71355	0.0798121	0.18584141	3.0411725	20	11 8.9	20.3
493911 2015 XU_{320}	17.0	X	285.97839	28.82506	82.70638	11.00239	0.0903749	0.19270967	2.9684771	20	11 28.2	20.7
493912 2015 XQ_{324}	17.4	X	31.31783	10.26173	102.11661	7.13773	0.0874533	0.25763635	2.4460460	20	1 6.0	19.9
493913 2015 XZ_{325}	16.6	X	251.78260	271.79801	233.98250	9.19621	0.0600898	0.19144247	2.9815621	20	11 27.7	20.5
493914 2015 XU_{327}	16.2	X	283.56028	222.47381	250.54416	12.33343	0.0496048	0.19233881	2.9722917	20	11 29.8	20.0
493915 2015 XF_{328}	16.1	X	111.40605	173.74108	89.22435	11.74359	0.1189846	0.18077751	3.0977031	20	11 17.1	21.0
493916 2015 XW_{328}	17.1	X	21.04606	328.73494	83.51623	10.91139	0.1198885	0.21995935	2.7179477	20	—	—
493917 2015 XX_{328}	17.6	X	286.35609	20.30166	116.67829	1.68887	0.0167210	0.20894795	2.8126172	20	—	—
493918 2015 XL_{329}	17.2	X	355.37538	186.53510	261.40840	10.28390	0.0399574	0.22264381	2.6960564	20	—	—
493919 2015 XX_{330}	17.1	X	51.31284	307.76975	73.30205	6.54810	0.0473254	0.21876839	2.7278030	20	—	—
493920 2015 XX_{334}	16.3	X	173.20646	124.05415	93.03722	10.63526	0.0269142	0.18830887	3.0145480	20	11 26.2	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493921 2015 XK_{335}	16.0	X	300.86966	197.18924	240.09634	7.51597	0.0144803	0.18138039	3.0908350	20	11 8.4	20.2
493922 2015 XL_{335}	16.8	X	350.10372	263.26648	177.50381	3.50160	0.0708460	0.21364897	2.7712063	20	—	—
493923 2015 XS_{335}	17.7	X	352.62253	254.53871	198.07016	4.57971	0.0806710	0.22056231	2.7129920	20	—	—
493924 2015 XC_{338}	17.4	X	342.83510	313.76541	96.58008	3.08999	0.0961394	0.19380525	2.9572794	20	12 6.1	21.1
493925 2015 XQ_{340}	16.5	X	191.20011	283.21770	253.29250	7.99451	0.0838858	0.17263992	3.1942966	20	10 17.9	21.5
493926 2015 XR_{345}	16.2	X	184.50747	316.10307	244.17926	13.49625	0.0459823	0.18271897	3.0757211	20	11 14.3	20.8
493927 2015 XS_{364}	16.5	X	240.69351	135.83606	1.13151	5.32963	0.1053788	0.17512351	3.1640238	20	10 23.4	21.1
493928 2015 XP_{366}	16.9	X	330.80656	120.24532	33.90420	3.17879	0.0552228	0.24203602	2.5500540	20	—	—
493929 2015 XS_{366}	16.4	X	171.19446	259.58741	314.51374	3.99700	0.0872846	0.17920551	3.1157922	20	11 12.9	21.2
493930 2015 XQ_{368}	18.0	X	359.49401	60.63224	47.65729	3.23397	0.1403837	0.23231962	2.6206687	20	—	—
493931 2015 XU_{368}	17.5	X	57.65612	16.23163	38.23286	2.66425	0.1110385	0.24228155	2.5483309	20	—	—
493932 2015 XJ_{375}	17.1	X	140.72458	241.89799	80.55922	12.87861	0.0292142	0.23420376	2.6065945	20	—	—
493933 2015 XS_{381}	17.1	X	298.76923	298.42923	151.79159	16.88972	0.1249311	0.18876107	3.0097315	20	11 19.5	21.1
493934 2015 YJ_{4}	16.7	X	19.60626	322.03036	118.40403	13.96464	0.1294298	0.21598950	2.7511501	20	—	—
493935 2015 YS_{8}	16.5	X	338.28492	0.62744	116.02333	5.64358	0.0766396	0.20907904	2.8114415	20	—	—
493936 2015 YP_{9}	17.2	X	151.35170	193.83889	153.89137	1.50455	0.2318340	0.25368538	2.4713775	20	1 27.9	21.1
493937 2016 AG	15.8	X	311.99116	325.53078	120.17150	13.56656	0.1170741	0.18258813	3.0771903	20	12 2.1	19.7
493938 2016 AH_{1}	16.5	X	35.54815	300.88759	65.34441	11.87580	0.1402400	0.18488456	3.0516563	20	12 28.2	20.7
493939 2016 AZ_{3}	16.7	X	5.95269	302.42473	84.25257	2.98112	0.1097863	0.19502985	2.9448872	20	12 12.2	20.4
493940 2016 AT_{6}	16.9	X	305.97206	39.17715	44.34709	1.45546	0.1523427	0.18108284	3.0942199	20	11 13.2	20.5
493941 2016 AD_{9}	17.2	X	326.94184	44.74494	73.67757	32.48342	0.2090386	0.23140685	2.6275556	20	—	—
493942 2016 AR_{10}	15.8	X	336.10608	343.03699	119.58609	16.12609	0.0971668	0.20399220	2.8579876	20	—	—
493943 2016 AB_{11}	15.8	X	270.59518	26.29928	84.38015	6.81239	0.1356188	0.17123357	3.2117627	20	10 27.3	20.2
493944 2016 AR_{15}	15.9	X	65.11815	42.93100	289.78109	9.98618	0.1063134	0.18835824	3.0140212	20	12 19.4	20.3
493945 2016 AK_{22}	16.5	X	5.78860	86.64132	301.32155	8.71135	0.0657545	0.17997032	3.1069585	20	12 3.9	20.7
493946 2016 AL_{22}	17.3	X	109.59721	284.34379	97.48182	5.60646	0.1567127	0.24753179	2.5121683	20	1 17.3	20.4
493947 2016 AN_{22}	17.3	X	98.49273	241.28753	92.77934	3.24048	0.0700713	0.20250391	2.8719736	20	—	—
493948 2016 AH_{24}	16.4	X	153.94707	129.06199	129.38062	3.75325	0.1046207	0.18084032	3.0969858	20	12 18.8	21.2
493949 2016 AP_{27}	16.6	X	113.10921	79.14403	249.97426	3.73854	0.0580722	0.21095998	2.7947052	20	—	—
493950 2016 AW_{27}	16.8	X	350.28307	157.87478	238.04458	2.24965	0.1405933	0.18306034	3.0718962	20	11 29.4	20.3
493951 2016 AC_{33}	16.6	X	270.39327	65.74145	119.50832	5.83827	0.0446565	0.21323807	2.7747651	20	—	—
493952 2016 AG_{33}	16.6	X	165.22428	180.87755	118.51887	6.19046	0.0388960	0.22223736	2.6993426	20	—	—
493953 2016 AU_{43}	16.4	X	233.99533	235.36679	278.94965	9.18198	0.0755332	0.17033253	3.2230792	20	11 7.7	21.1
493954 2016 AP_{44}	16.3	X	291.29350	354.73047	113.69961	6.61728	0.1140033	0.18130433	3.0916994	20	11 26.9	20.3
493955 2016 AF_{45}	16.9	X	61.71290	152.49249	216.97852	1.30250	0.0812688	0.20625959	2.8370040	20	—	—
493956 2016 AL_{46}	16.2	X	252.96191	27.61545	112.34970	6.57431	0.1123381	0.17255477	3.1953473	20	11 12.6	20.7
493957 2016 AS_{47}	16.7	X	113.76439	218.88127	100.96028	3.31370	0.0033154	0.20246648	2.8723275	20	—	—
493958 2016 AW_{50}	17.0	X	146.67130	153.63274	132.31716	2.90296	0.0380907	0.19961280	2.8996381	20	—	—
493959 2016 AG_{51}	16.5	X	206.05544	93.65011	109.89472	13.06775	0.0565286	0.18148998	3.0895907	20	12 12.6	21.1
493960 2016 AJ_{52}	16.2	X	138.04114	211.12027	101.85670	5.39616	0.0517885	0.21286455	2.7780101	20	—	—
493961 2016 AJ_{53}	16.5	X	34.89236	67.31936	301.52359	9.70126	0.0456661	0.18486332	3.0518901	20	12 17.9	20.7
493962 2016 AU_{55}	16.3	X	157.86123	131.77379	123.76019	13.16678	0.0735204	0.18446537	3.0562777	20	12 21.5	21.0
493963 2016 AA_{56}	16.4	X	207.41916	354.81990	277.88207	10.88315	0.1487848	0.22494669	2.6776243	20	—	—
493964 2016 AD_{58}	17.5	X	271.80686	128.78595	128.90685	3.68736	0.0820207	0.25792927	2.4441938	20	1 31.3	20.9
493965 2016 AY_{58}	16.1	X	13.33412	249.07048	121.05602	12.48472	0.0637576	0.17443617	3.1723300	20	11 24.8	20.5
493966 2016 AX_{60}	16.0	X	243.15611	217.66012	290.39643	11.30412	0.0441646	0.17403031	3.1772602	20	11 15.9	20.7
493967 2016 AD_{64}	15.4	X	179.46562	279.83009	281.40207	14.23905	0.0310748	0.16994642	3.2279592	20	11 5.5	20.4
493968 2016 AR_{66}	17.3	X	17.96234	288.90333	170.89347	4.59501	0.0532607	0.23007300	2.6377013	20	—	—
493969 2016 AT_{66}	16.5	X	310.69516	307.65770	132.89245	8.67958	0.0908368	0.17911340	3.1168603	20	11 23.3	20.6
493970 2016 AP_{67}	16.4	X	6.13282	264.09524	118.91383	11.60107	0.1565838	0.18532114	3.0468617	20	12 12.3	20.2
493971 2016 AM_{68}	15.9	X	310.26665	166.25723	247.72337	7.95808	0.0593898	0.17072855	3.2180932	20	10 15.9	20.3
493972 2016 AP_{68}	17.0	X	337.13624	185.01178	219.75464	4.53132	0.2478013	0.19102369	2.9859181	20	11 26.6	19.7
493973 2016 AP_{71}	15.8	X	25.89738	86.82180	269.49701	9.98889	0.0750771	0.18412102	3.0600871	20	11 24.1	20.0
493974 2016 AG_{73}	16.0	X	278.61139	222.19893	259.31179	9.64646	0.0378082	0.16803559	3.2523844	20	11 29.2	20.4
493975 2016 AN_{73}	16.1	X	352.89880	121.08164	275.59237	11.49216	0.1684555	0.17409802	3.1764364	20	12 4.1	19.9
493976 2016 AU_{74}	16.3	X	244.44035	355.20718	172.45594	10.68413	0.0832487	0.17050833	3.2208634	20	12 8.1	21.0
493977 2016 AE_{76}	16.6	X	250.87516	22.15550	154.08025	11.08050	0.0394395	0.17981446	3.1087537	20	—	—
493978 2016 AY_{78}	15.8	X	21.66251	248.63512	124.19908	16.14381	0.0951576	0.17425263	3.1745572	20	12 11.9	20.2
493979 2016 AV_{80}	16.1	X	317.49147	14.94052	104.16207	13.49196	0.0648244	0.20178537	2.8787874	20	—	—
493980 2016 AM_{81}	15.3	X	170.98114	307.31200	290.16081	22.73789	0.1384207	0.18102129	3.0949213	20	12 10.4	20.5
493981 2016 AS_{81}	16.9	X	104.07924	241.76370	111.47139	5.38405	0.0789134	0.21163611	2.7887497	20	—	—
493982 2016 AW_{88}	17.2	X	344.93376	352.14031	91.90165	4.76994	0.0806841	0.21365842	2.7711245	20	—	—
493983 2016 AV_{90}	17.1	X	174.36450	8.35386	242.67434	5.01394	0.0116584	0.21075226	2.7965412	20	—	—
493984 2016 AB_{97}	16.0	X	249.15243	48.12573	112.16677	10.87005	0.0588907	0.17468988	3.1692577	20	12 9.4	20.5
493985 2016 AJ_{98}	16.9	X	185.76836	345.97961	312.66733	5.99299	0.0659153	0.22317447	2.6917809	20	—	—
493986 2016 AZ_{98}	16.9	X	259.01946	90.08439	117.87076	4.77015	0.0366756	0.20980214	2.8049779	20	—	—
493987 2016 AT_{101}	16.8	X	238.48807	140.92443	88.62802	8.62865	0.0523180	0.21053457	2.7984686	20	—	—
493988 2016 AX_{101}	16.6	X	17.80117	322.19972	55.35033	5.96241	0.1293637	0.17788695	3.1311701	20	12 15.1	20.7
493989 2016 AX_{102}	16.0	X	219.26298	162.58032	95.50599	13.76567	0.1383284	0.20959276	2.8068457	20	—	—
493990 2016 AF_{103}	16.4	X	323.93203	109.53700	344.40983	9.25358	0.0776148	0.18416419	3.0596089	20	12 30.0	20.4
493991 2016 AO_{103}	16.4	X	68.01576	277.78646	91.57630	8.94180	0.0408399	0.19476331	2.9475734	20	—	—
493992 2016 AV_{103}	16.4	X	274.56518	30.73814	107.36799	10.65712	0.0712004	0.17661752	3.1461555	20	12 13.2	20.7
493993 2016 AA_{105}	16.7	X	200.96718	177.56868	112.92286	12.34802	0.0654034	0.22401143	2.6850719	20	—	—
493994 2016 AX_{105}	17.1	X	153.46638	221.87731	121.39684	12.82902	0.2086948	0.23874060	2.5734666	20	1 24.5	21.0
493995 2016 AC_{106}	16.2	X	136.34373	175.43203	111.08709	6.69059	0.1119891	0.17830823	3.1262362	20	—	—
493996 2016 AF_{106}	15.8	X	95.92264	198.17993	118.82892	11.23654	0.0990504	0.17638692	3.1488971	20	12 29.7	20.6
493997 2016 AO_{106}	16.3	X	357.57611	311.85187	116.02422	9.79566	0.1368670	0.19266952	2.9688895	20	—	—
493998 2016 AU_{106}	16.4	X	322.20380	349.95271	114.77919	11.77446	0.1160438	0.18853575	3.0121291	20	—	—
493999 2016 AS_{110}	15.9	X	170.15324	140.12552	130.03718	17.55512	0.1663404	0.18135643	3.0911073	20	—	—
494000 2016 AT_{110}	16.7	X	174.42495	163.47567	111.15645	6.87404	0.0078971	0.19684471	2.9267584	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494001 2016 AB_{111}	16.5	X	260.05606	71.11197	117.79811	10.93684	0.0305486	0.19503968	2.9447882	20	—	—
494002 2016 AF_{111}	17.1	X	99.67674	309.07809	96.11644	4.26567	0.1446099	0.24325639	2.5415181	20	2 2.9	20.1
494003 2016 AS_{111}	16.9	X	183.59139	226.53532	52.37145	2.82812	0.0243611	0.20333524	2.8641403	20	—	—
494004 2016 AX_{112}	16.7	X	270.54952	15.60600	122.06335	10.57432	0.0520002	0.17479011	3.1680460	20	12 9.9	21.1
494005 2016 AZ_{112}	16.7	X	127.18201	253.24470	120.06996	10.30676	0.0868345	0.23890641	2.5722757	20	1 19.5	20.2
494006 2016 AD_{113}	17.6	X	185.80907	238.00816	108.51186	7.16948	0.1395696	0.25999497	2.4312302	20	2 22.5	21.3
494007 2016 AW_{113}	17.2	X	232.29175	236.90185	92.76592	7.49514	0.1429270	0.27536053	2.3399231	20	3 17.6	20.8
494008 2016 AN_{114}	16.3	X	218.72540	190.86550	99.76710	15.48679	0.0711027	0.23359335	2.6111334	20	1 18.4	20.2
494009 2016 AU_{115}	15.9	X	5.14716	289.05653	128.17603	16.86699	0.1043272	0.18596781	3.0397943	20	—	—
494010 2016 AZ_{118}	15.8	X	339.21660	277.79458	140.48259	26.04758	0.1863548	0.17411272	3.1762576	20	12 14.1	19.9
494011 2016 AJ_{121}	16.6	X	88.66355	256.11299	126.05434	5.25254	0.0825626	0.21207428	2.7849071	20	—	—
494012 2016 AT_{121}	15.4	X	307.54937	301.15843	135.29253	17.82362	0.1302219	0.15972089	3.3643015	20	11 9.7	19.9
494013 2016 AR_{122}	15.6	X	23.88540	255.85084	142.18096	27.24163	0.0415010	0.17662065	3.1461184	20	—	—
494014 2016 AV_{139}	16.7	X	326.47042	200.51996	248.03426	9.26394	0.0118310	0.18212184	3.0824404	20	12 24.1	21.0
494015 2016 AK_{143}	16.5	X	106.31194	78.06682	220.76679	11.03693	0.0148707	0.17237339	3.1975885	20	12 11.7	21.1
494016 2016 AU_{146}	16.5	X	132.25326	64.01688	238.46902	8.35459	0.1049003	0.19253218	2.9703012	20	—	—
494017 2016 AA_{147}	16.7	X	201.46494	329.00452	236.20966	10.73206	0.0491496	0.17096659	3.2151054	20	12 6.8	21.5
494018 2016 AJ_{154}	16.2	X	210.71146	32.47252	179.43856	17.13760	0.1000373	0.17836111	3.1256183	20	12 20.8	21.2
494019 2016 AB_{155}	16.9	X	340.83082	271.47641	199.90133	12.52855	0.1201358	0.20530030	2.8458347	20	—	—
494020 2016 AK_{155}	16.2	X	290.59215	230.51575	242.34546	12.53498	0.1715446	0.17428391	3.1741773	20	11 21.2	20.0
494021 2016 AR_{157}	16.6	X	16.47506	192.77743	224.68423	11.11756	0.1184849	0.19841985	2.9112487	20	—	—
494022 2016 AU_{166}	15.4	X	130.86970	189.78098	112.10375	14.56435	0.0320409	0.17440597	3.1726962	20	—	—
494023 2016 AW_{167}	16.5	X	95.81454	132.86191	172.07256	12.89103	0.0523111	0.17480182	3.1679046	20	12 12.0	21.4
494024 2016 AY_{171}	15.9	X	318.47467	294.52088	122.85739	16.33640	0.1974961	0.17483431	3.1675121	20	11 3.9	19.7
494025 2016 AQ_{172}	15.6	X	321.88242	308.06252	112.11736	10.40968	0.1177103	0.16957758	3.2326382	20	11 12.6	19.7
494026 2016 AU_{173}	16.8	X	168.80959	129.91637	178.30474	9.19088	0.0896343	0.21988008	2.7186009	20	—	—
494027 2016 AE_{174}	16.6	X	175.60250	152.62539	172.31695	14.87558	0.1953661	0.23761714	2.5815718	20	1 19.3	21.1
494028 2016 AU_{174}	17.3	X	325.32404	33.18220	85.09606	5.00723	0.1745842	0.20424201	2.8556567	20	—	—
494029 2016 AO_{175}	17.2	X	158.04188	132.49841	209.97131	10.69595	0.0233344	0.23393388	2.6085988	20	1 8.7	21.0
494030 2016 AP_{184}	17.1	X	313.19404	179.99972	332.18414	4.25762	0.0535241	0.22058476	2.7128079	20	—	—
494031 2016 AY_{184}	16.1	X	228.10005	293.33592	318.48223	12.04606	0.0906895	0.22041016	2.7142404	20	—	—
494032 2016 AJ_{185}	16.5	X	243.58607	101.38603	135.26358	6.61300	0.0529965	0.22377511	2.6869620	20	—	—
494033 2016 AM_{187}	15.9	X	272.77460	55.04835	79.37081	8.90157	0.1243110	0.17554688	3.1589346	20	11 28.9	19.9
494034 2016 AN_{192}	16.1	X	24.05256	264.00603	115.52648	12.62794	0.0944683	0.18835287	3.0140784	20	12 24.9	20.2
494035 2016 BX_{1}	17.1	X	330.02171	335.60727	120.69717	3.67849	0.1450956	0.19976284	2.8981859	20	—	—
494036 2016 BW_{2}	17.0	X	7.38944	330.29776	104.47464	7.00598	0.0258662	0.20328142	2.8646458	20	—	—
494037 2016 BD_{5}	16.6	X	290.40826	114.62855	359.16969	0.45633	0.1354066	0.17988087	3.1079885	20	11 28.0	20.2
494038 2016 BO_{16}	16.3	X	160.86135	195.79690	101.35353	5.22794	0.0814908	0.20990769	2.8040375	20	—	—
494039 2016 BL_{17}	17.3	X	66.47662	298.06426	114.77296	4.37722	0.0817214	0.23028484	2.6360834	20	—	—
494040 2016 BQ_{17}	16.2	X	52.29280	222.75127	119.80045	9.03472	0.0521059	0.17490903	3.1666099	20	12 7.1	20.7
494041 2016 BA_{19}	16.4	X	40.36688	236.00421	122.87060	10.63600	0.1185630	0.17855320	3.1233762	20	12 21.5	20.8
494042 2016 BC_{21}	16.7	X	126.52075	280.88286	58.91548	1.26118	0.0768219	0.21355054	2.7720577	20	—	—
494043 2016 BU_{23}	15.9	X	153.85171	146.31160	119.01703	17.61054	0.0319251	0.18321001	3.0702229	20	12 29.4	20.4
494044 2016 BG_{25}	16.2	X	0.40916	62.59003	319.21024	11.04948	0.1013297	0.16992849	3.2281862	20	11 17.1	20.5
494045 2016 BC_{30}	16.5	X	149.46432	195.39449	85.68025	3.98265	0.0151705	0.18620955	3.0371629	20	—	—
494046 2016 BJ_{30}	17.3	X	236.78283	177.16090	42.90264	2.55707	0.0056569	0.20432989	2.8548379	20	—	—
494047 2016 BT_{30}	16.7	X	134.41920	251.61944	36.07260	3.01858	0.0695378	0.18097534	3.0954452	20	—	—
494048 2016 BU_{31}	16.2	X	267.00772	118.74225	51.12718	10.14488	0.1043774	0.18826371	3.0150300	20	—	—
494049 2016 BA_{33}	16.6	X	24.76551	152.14605	286.51828	3.19697	0.0464780	0.21097587	2.7945648	20	—	—
494050 2016 BR_{33}	17.0	X	48.31738	317.97637	99.27055	5.10779	0.0721441	0.22109535	2.7086297	20	—	—
494051 2016 BN_{35}	17.3	X	53.96290	2.18884	44.69378	5.82826	0.1662833	0.21777076	2.7361275	20	—	—
494052 2016 BO_{36}	16.3	X	352.41860	300.67717	115.36833	10.47612	0.0890686	0.17555208	3.1588723	20	12 21.9	20.4
494053 2016 BF_{37}	16.1	X	224.77188	111.83344	94.03252	10.42701	0.0406218	0.18205811	3.0831598	20	—	—
494054 2016 BO_{44}	17.6	X	128.77661	201.16866	186.98304	0.84848	0.1892309	0.25432282	2.4672462	20	2 20.2	21.2
494055 2016 BT_{48}	16.7	X	248.61861	136.11784	95.22622	5.22751	0.0430780	0.21432696	2.7653589	20	—	—
494056 2016 BA_{50}	16.9	X	109.40930	229.91227	127.82303	6.96788	0.0301800	0.22137510	2.7063474	20	—	—
494057 2016 BW_{51}	17.1	X	67.42258	212.16054	150.91704	1.74394	0.0905244	0.19297100	2.9657965	20	—	—
494058 2016 BG_{53}	16.6	X	245.40014	27.85853	139.79832	10.75550	0.0325203	0.17671459	3.1450033	20	12 17.3	21.1
494059 2016 BC_{54}	16.7	X	302.46878	331.67037	144.55323	8.14955	0.1513271	0.18323996	3.0698884	20	12 20.8	20.3
494060 2016 BT_{55}	16.4	X	30.94339	87.69843	285.66498	7.78719	0.0766170	0.17897535	3.1184628	20	12 21.1	20.6
494061 2016 BU_{55}	16.6	X	144.69453	84.33812	199.40458	2.98987	0.0241277	0.18825003	3.0151761	20	—	—
494062 2016 BX_{56}	16.7	X	18.26830	60.43096	327.03416	8.20809	0.0527671	0.18326907	3.0695634	20	12 20.0	20.9
494063 2016 BL_{60}	16.6	X	94.89924	25.66138	349.14341	3.96603	0.0810833	0.21347975	2.7726705	20	—	—
494064 2016 BQ_{60}	17.3	X	98.12034	340.62433	125.97079	7.54927	0.0683668	0.27212588	2.3584291	20	4 11.6	20.3
494065 2016 BK_{64}	16.9	X	73.82136	60.44712	314.22261	1.12034	0.0804823	0.20296913	2.8675834	20	—	—
494066 2016 BN_{65}	16.1	X	284.10695	22.03681	147.36170	17.97604	0.0597528	0.20269063	2.8702095	20	—	—
494067 2016 BF_{67}	16.6	X	20.54713	296.72764	146.17790	13.37349	0.1611000	0.21281410	2.7784491	20	—	—
494068 2016 BU_{67}	16.9	X	177.80242	245.29343	79.05698	13.20331	0.1663161	0.24561894	2.5251944	20	1 21.1	21.0
494069 2016 BZ_{67}	16.4	X	324.84962	21.16963	75.70563	13.52345	0.1018520	0.18933512	3.0036449	20	—	—
494070 2016 BE_{68}	16.2	X	283.23303	85.84992	41.37121	9.73147	0.0810628	0.17941560	3.1133593	20	12 9.2	20.3
494071 2016 BK_{69}	16.5	X	249.53248	70.42287	104.40520	2.49539	0.0259564	0.18207678	3.0829490	20	—	—
494072 2016 BW_{70}	16.3	X	37.44593	35.37722	328.32167	16.00826	0.1158076	0.17493614	3.1662827	20	12 23.2	20.9
494073 2016 BZ_{70}	16.4	X	214.59349	167.77833	124.53736	12.68663	0.1148542	0.23086235	2.6316854	20	1 15.6	20.4
494074 2016 BC_{71}	15.8	X	142.59956	167.44419	114.94139	9.10002	0.1893548	0.17340121	3.1849404	20	—	—
494075 2016 BV_{71}	15.9	X	336.04540	78.68733	320.35401	8.92515	0.0517420	0.15488875	3.4339145	20	10 28.3	20.6
494076 2016 BK_{72}	17.0	X	212.52109	121.11601	90.34303	2.83478	0.0474910	0.17843978	3.1246995	20	12 28.2	21.3
494077 2016 BL_{72}	16.8	X	95.91960	251.16602	110.70971	4.69501	0.1019068	0.20878286	2.8140997	20	—	—
494078 2016 BB_{74}	16.0	X	151.40437	287.61709	347.24817	13.54082	0.1700360	0.17387949	3.1790972	20	—	—
494079 2016 BY_{75}	16.4	X	244.51125	88.50310	89.26164	3.55928	0.1561500	0.17233761	3.1980311	20	12 9.5	20.8
494080 2016 BY_{76}	18.1	X	220.83504	245.74116	114.08224	6.26945	0.2265082	0.29092140	2.2557222	20	4 8.7	21.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494081 2016 BC_{81}	16.4	X	305.70576	299.62509	136.34986	16.74098	0.2134949	0.17534804	3.1613223	20	11 1.8	20.2
494082 2016 CX	16.8	X	209.32549	295.40454	279.91949	2.79229	0.0412795	0.18141576	3.0904332	20	12 30.6	21.2
494083 2016 CJ_{2}	17.1	X	141.63281	166.57321	160.14528	6.92207	0.0266509	0.21199024	2.7856431	20	—	—
494084 2016 CU_{2}	17.1	X	291.02797	289.41958	179.03893	4.82918	0.1457981	0.17209280	3.2010632	20	11 20.1	21.0
494085 2016 CK_{9}	15.8	X	301.06451	320.36244	142.70822	14.00747	0.0769987	0.17274245	3.1930324	20	12 6.7	20.2
494086 2016 CF_{11}	16.8	X	227.58876	292.82129	286.96910	1.37994	0.0766769	0.19026462	2.9938545	20	—	—
494087 2016 CU_{13}	15.4	X	106.15199	159.94903	150.43798	18.25827	0.1715972	0.17141800	3.2094585	20	—	—
494088 2016 CR_{14}	16.4	X	351.41064	140.99076	299.65095	5.13309	0.1251389	0.19111654	2.9849510	20	—	—
494089 2016 CP_{15}	16.6	X	353.56325	234.08595	238.61897	3.33782	0.0228874	0.21007162	2.8025785	20	—	—
494090 2016 CA_{17}	16.3	X	152.19845	343.03984	305.40089	9.23051	0.0774255	0.18737297	3.0245778	20	—	—
494091 2016 CE_{17}	16.8	X	19.64370	264.05532	170.03639	2.15756	0.0472192	0.20288431	2.8683826	20	—	—
494092 2016 CW_{21}	16.6	X	113.90608	173.04080	161.27850	6.11591	0.0633282	0.20161274	2.8804305	20	—	—
494093 2016 CU_{23}	16.0	X	241.19970	187.58000	9.47377	11.03998	0.0688137	0.18847523	3.0127739	20	—	—
494094 2016 CH_{26}	16.3	X	168.38694	166.39315	86.60499	7.99944	0.0655085	0.17943244	3.1131645	20	12 27.7	20.8
494095 2016 CW_{33}	16.7	X	212.70092	137.00484	54.02017	2.96728	0.0466667	0.17589368	3.1547810	20	12 3.7	21.3
494096 2016 CL_{35}	17.3	X	9.25455	205.49422	223.19823	6.77901	0.0573258	0.19593940	2.9357667	20	—	—
494097 2016 CG_{36}	16.1	X	325.89503	133.61589	330.98496	7.92030	0.0489187	0.19017642	2.9947801	20	—	—
494098 2016 CN_{36}	15.9	X	30.16135	233.80196	123.69272	12.93902	0.1329579	0.16868150	3.2440765	20	12 8.0	20.4
494099 2016 CL_{37}	16.4	X	56.48759	6.79089	346.71434	6.18894	0.1130395	0.17961998	3.1109972	20	—	—
494100 2016 CK_{38}	17.1	X	203.69237	214.83616	40.09629	2.58093	0.0184888	0.20258065	2.8712482	20	—	—
494101 2016 CH_{39}	16.9	X	349.85576	318.90321	109.42111	3.30846	0.1458014	0.18881095	3.0092014	20	—	—
494102 2016 CE_{40}	17.3	X	83.15947	303.95778	75.96052	1.69239	0.0834436	0.21268367	2.7795849	20	—	—
494103 2016 CL_{40}	17.3	X	25.97413	306.74837	114.72034	3.22799	0.0559600	0.20020661	2.8939017	20	—	—
494104 2016 CN_{40}	17.1	X	334.45060	90.79395	26.35027	2.12147	0.0306509	0.19963093	2.8994625	20	—	—
494105 2016 CT_{40}	16.9	X	90.41583	270.16772	111.81070	5.10302	0.1070357	0.21898244	2.7260251	20	—	—
494106 2016 CB_{42}	16.9	X	74.60138	250.34128	102.64760	9.68346	0.1220414	0.18985002	2.9982117	20	—	—
494107 2016 CE_{44}	17.1	X	203.24669	253.77497	29.56521	3.81562	0.0508858	0.21832294	2.7315122	20	—	—
494108 2016 CP_{45}	16.8	X	273.37789	115.20419	72.96004	3.01554	0.0616386	0.19956967	2.9000558	20	—	—
494109 2016 CH_{48}	17.1	X	219.19426	257.99701	91.40479	7.35382	0.1523865	0.28003895	2.3137890	20	3 29.3	20.7
494110 2016 CT_{50}	16.2	X	137.36100	256.88786	26.67449	6.24545	0.1125771	0.17161829	3.2069609	20	12 30.6	21.3
494111 2016 CK_{58}	15.7	X	175.24705	154.37277	103.42743	11.63892	0.0190229	0.18200649	3.0837426	20	—	—
494112 2016 CY_{71}	16.1	X	238.26645	171.22874	23.15162	12.24862	0.0668758	0.19268790	2.9687007	20	—	—
494113 2016 CM_{75}	16.4	X	22.51473	20.20011	11.50475	13.30725	0.0756481	0.18219915	3.0815685	20	—	—
494114 2016 CP_{94}	17.1	X	80.77282	209.17701	177.71604	12.64688	0.1818649	0.22328403	2.6909003	20	—	—
494115 2016 CG_{105}	16.0	X	320.43441	292.65480	153.13269	21.90334	0.0220031	0.17158110	3.2074243	20	12 14.1	20.9
494116 2016 CL_{105}	16.3	X	6.20100	182.04277	256.18197	6.33842	0.0804630	0.19861721	2.9093198	20	—	—
494117 2016 CD_{108}	15.7	X	177.92764	12.57836	249.74485	5.34509	0.1483611	0.18027349	3.1034742	20	—	—
494118 2016 CL_{109}	16.4	X	188.76875	35.07155	229.50594	5.07122	0.0419862	0.19490306	2.9461642	20	—	—
494119 2016 CO_{113}	16.1	X	158.63574	6.80342	276.26564	10.29827	0.0531749	0.18565433	3.0432152	20	—	—
494120 2016 CJ_{115}	15.8	X	91.46772	69.68089	264.32171	9.73767	0.0807966	0.17744813	3.1363301	20	—	—
494121 2016 CE_{126}	16.0	X	353.84296	230.45741	157.44551	16.96821	0.2036747	0.17242539	3.1969455	20	12 1.1	19.9
494122 2016 CK_{126}	16.9	X	29.26455	218.45660	184.95756	9.03347	0.0578693	0.19221001	2.9736194	20	—	—
494123 2016 CL_{138}	16.3	X	187.17610	20.93523	281.69951	13.16992	0.2201051	0.23781246	2.5801580	20	1 5.4	20.6
494124 2016 CH_{140}	17.1	X	166.27306	66.18448	207.67533	9.15643	0.0426305	0.19035975	2.9928570	20	—	—
494125 2016 CM_{145}	17.3	X	320.30541	282.13748	207.54809	2.33283	0.0955429	0.19655771	2.9296067	20	—	—
494126 2016 CP_{148}	16.4	X	28.74565	66.04095	329.45103	3.86084	0.0831282	0.18269232	3.0760203	20	—	—
494127 2016 CN_{153}	18.0	X	146.58193	60.73007	324.75972	2.51518	0.2050092	0.27053554	2.3676627	20	3 5.7	21.5
494128 2016 CW_{153}	16.4	X	203.35592	318.44192	303.90093	3.69643	0.0159293	0.21308217	2.7761183	20	—	—
494129 2016 CK_{158}	16.4	X	46.90433	218.99411	142.88135	11.45155	0.0693780	0.17724383	3.1387397	20	12 25.6	21.0
494130 2016 CJ_{166}	16.5	X	51.80533	48.33143	308.26159	8.91431	0.0915795	0.18334136	3.0687565	20	12 29.9	20.8
494131 2016 CM_{171}	16.5	X	20.05127	263.57250	125.11829	4.71097	0.1566315	0.18693790	3.0292688	20	—	—
494132 2016 CB_{172}	17.5	X	1.59236	302.28637	137.36425	9.33937	0.1109471	0.20201153	2.8766384	20	—	—
494133 2016 CP_{180}	16.6	X	228.72361	330.63465	216.69321	8.48833	0.0477323	0.17680956	3.1438770	20	12 17.8	21.1
494134 2016 CA_{182}	16.7	X	333.09154	248.23860	205.51101	9.93080	0.0182976	0.18638344	3.0352736	20	—	—
494135 2016 CP_{185}	16.4	X	145.43386	54.73076	218.90656	9.86655	0.0451485	0.17754813	3.1351523	20	12 26.9	21.2
494136 2016 CZ_{187}	16.9	X	125.29913	85.88445	226.31393	9.05713	0.0387984	0.19200081	2.9757790	20	—	—
494137 2016 CP_{188}	16.6	X	0.50030	332.06309	133.79946	9.88691	0.1187053	0.21420649	2.7663957	20	—	—
494138 2016 CJ_{198}	16.0	X	82.44226	27.12282	290.44265	3.55804	0.0464953	0.16033543	3.3556994	20	12 7.0	20.7
494139 2016 CD_{199}	16.1	X	252.65408	34.45339	150.38282	10.61988	0.0385944	0.18373484	3.0643735	20	—	—
494140 2016 CW_{199}	16.6	X	325.70712	302.93737	141.34471	1.57713	0.1488070	0.17686865	3.1431768	20	12 17.8	20.0
494141 2016 CR_{201}	16.4	X	286.02732	1.33083	130.85584	9.06712	0.0247287	0.17312906	3.1882772	20	12 24.2	20.9
494142 2016 CR_{202}	16.1	X	239.57319	50.84068	135.46530	10.02480	0.0280795	0.17532664	3.1615795	20	12 31.8	20.6
494143 2016 CN_{208}	16.8	X	82.76387	257.38263	141.90604	12.94317	0.1140190	0.21862437	2.7290008	20	1 1.4	20.4
494144 2016 CA_{215}	15.7	X	74.94541	212.90880	143.19996	8.84351	0.1391497	0.17794669	3.1304693	20	—	—
494145 2016 CZ_{218}	16.8	X	243.42990	261.78127	313.25787	1.08204	0.0351690	0.19436428	2.9516062	20	—	—
494146 2016 CM_{219}	17.1	X	320.73505	287.04728	166.80271	2.38660	0.1538308	0.17819461	3.1275650	20	12 21.7	20.6
494147 2016 CQ_{238}	16.0	X	177.86464	214.92660	61.05505	14.16282	0.1031216	0.18744153	3.0238402	20	—	—
494148 2016 CL_{239}	15.4	X	108.90849	251.63473	73.48161	18.56861	0.1373225	0.17887493	3.1196299	20	—	—
494149 2016 CL_{250}	16.9	X	102.94916	304.78453	48.23046	2.66383	0.0979688	0.20596886	2.8396730	20	—	—
494150 2016 CJ_{251}	15.8	X	164.76646	169.38216	84.49346	20.43753	0.1051958	0.17256303	3.1952453	20	12 21.6	20.8
494151 2016 CY_{255}	15.6	X	154.80067	167.62017	90.00794	10.33548	0.0701240	0.17036637	3.2226525	20	12 17.3	20.3
494152 2016 CD_{256}	15.8	X	220.28053	131.08209	98.51178	13.00857	0.0940846	0.18902418	3.0069380	20	—	—
494153 2016 CU_{259}	15.7	X	92.80448	157.76279	236.62291	7.94312	0.0454972	0.18348639	3.0671392	20	1 5.4	20.0
494154 2016 CY_{259}	17.9	X	38.23423	346.99528	229.90047	6.21039	0.1076691	0.26632565	2.3925483	20	6 21.2	20.4
494155 2016 CE_{264}	16.6	X	100.19531	93.10096	272.54632	6.11843	0.0555676	0.20874664	2.8144253	20	—	—
494156 2016 CQ_{264}	16.5	X	285.40613	2.38888	127.93869	5.88342	0.1117474	0.17317075	3.1877654	20	12 12.6	20.6
494157 2016 DP_{15}	16.8	X	133.19494	231.37527	149.75194	15.05702	0.1937489	0.23657058	2.5891799	20	2 18.7	20.7
494158 2016 EX	12.6	X	18.52991	175.67586	70.42128	6.38434	0.2994237	0.03948448	8.5411905	20	7 5.7	20.4
494159 2016 ED_{68}	16.3	X	26.44677	199.67381	173.46744	11.69665	0.1060938	0.16763456	3.2575694	20	12 16.5	20.9
494160 2016 ED_{76}	16.2	X	147.35565	135.68697	159.43240	20.32282	0.1070597	0.17769285	3.1334498	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494161 2016 ED_{89}	16.8	X	341.48977	224.45313	209.89456	2.89165	0.0381199	0.17000693	3.2271932	20	12 23.9	21.2
494162 2016 EV_{107}	16.3	X	126.37038	238.75232	84.40586	13.71683	0.0441578	0.17996993	3.1069630	20	—	—
494163 2016 FK_{2}	16.0	X	216.24165	147.51713	0.08148	3.38613	0.0428050	0.12604805	3.9395380	20	10 9.3	21.6
494164 2016 GD_{112}	16.7	X	265.19637	103.89529	91.45859	3.33235	0.0197375	0.16861225	3.2449646	20	—	—
494165 2016 GU_{112}	16.9	X	186.31608	296.29161	67.18982	5.36215	0.1284229	0.22358580	2.6884785	20	3 18.3	21.2
494166 2016 GF_{113}	18.0	X	163.34616	353.43013	99.45577	2.33452	0.1887023	0.28539770	2.2847345	20	6 15.3	21.6
494167 2016 GZ_{122}	16.6	X	122.03042	318.72446	41.27358	8.14921	0.0583021	0.17999220	3.1067067	20	1 3.5	21.1
494168 2016 GE_{126}	17.0	X	88.03386	262.89033	211.44881	3.52760	0.0750594	0.24155520	2.5534368	20	4 7.2	20.2
494169 2016 GA_{133}	16.4	X	239.06079	127.07766	102.35795	2.42379	0.0934155	0.17084964	3.2165725	20	—	—
494170 2016 GJ_{133}	16.9	X	257.85601	142.28198	114.89851	3.20500	0.0138373	0.20296500	2.8676222	20	1 29.9	20.9
494171 2016 GT_{145}	16.0	X	260.56083	150.41129	65.40773	6.64644	0.1082801	0.17524713	3.1625358	20	—	—
494172 2016 GZ_{145}	17.0	X	25.25251	53.79411	219.58469	4.83270	0.1564562	0.28744961	2.2738487	20	9 2.4	19.2
494173 2016 GO_{164}	18.0	X	96.94523	199.97414	338.05522	2.53222	0.0985856	0.28672653	2.2776700	20	7 23.2	20.8
494174 2016 GR_{164}	17.6	X	91.60451	138.99543	317.91997	2.09710	0.1182861	0.23407582	2.6075442	20	3 26.5	20.9
494175 2016 GR_{165}	16.2	X	118.18094	326.53561	37.29207	10.89586	0.0657650	0.18000435	3.1065670	20	1 4.8	20.7
494176 2016 GS_{174}	17.7	X	69.12199	95.28323	77.21621	5.44217	0.1378826	0.26596855	2.3946894	20	6 10.9	20.2
494177 2016 GC_{175}	16.7	X	212.76205	232.42988	79.90859	6.92402	0.0535096	0.20477175	2.8507296	20	2 13.5	20.9
494178 2016 GX_{176}	16.3	X	190.11601	112.03914	183.32948	9.69603	0.0373457	0.17776006	3.1326600	20	—	—
494179 2016 GA_{185}	16.3	X	343.66946	166.06448	65.94545	10.98456	0.0569290	0.23856405	2.5747361	20	4 14.8	19.5
494180 2016 GF_{229}	16.0	X	51.21331	62.20653	30.51016	10.53703	0.0740653	0.20131323	2.8832867	20	1 26.1	19.8
494181 2016 GF_{230}	16.2	X	249.82101	178.02888	55.99817	2.09456	0.0943359	0.18014287	3.1049742	20	—	—
494182 2016 GD_{242}	16.3	X	264.32611	185.50269	43.29878	14.70662	0.1249914	0.18394856	3.0619995	20	—	—
494183 2016 GA_{247}	16.4	X	96.03214	10.99476	22.27028	15.77895	0.0312898	0.18550913	3.0448029	20	1 9.3	20.9
494184 2016 GC_{247}	15.8	X	224.19238	269.39547	14.28916	10.64291	0.0653775	0.19257388	2.9698724	20	1 24.6	20.4
494185 2016 GF_{247}	17.0	X	299.75065	44.67125	229.54419	4.87412	0.2488932	0.22638739	2.6662522	20	3 4.3	20.7
494186 2016 GG_{247}	16.6	X	234.79683	282.62964	20.52197	13.70057	0.0521860	0.21338314	2.7735073	20	2 29.4	20.8
494187 2016 GM_{247}	16.8	X	100.78375	85.86399	329.00767	1.20173	0.0843897	0.20698650	2.8303580	20	2 12.4	20.4
494188 2016 GZ_{248}	17.5	X	40.13823	7.04526	192.03982	3.60844	0.0586262	0.26073608	2.4266211	20	5 22.9	20.2
494189 2016 GL_{249}	16.5	X	271.90521	201.33444	33.31005	0.97348	0.0415056	0.19633187	2.9318529	20	1 16.9	20.6
494190 2016 GQ_{249}	16.2	X	299.25813	148.95063	29.88136	11.31008	0.0622826	0.18078727	3.0975916	20	—	—
494191 2016 HC_{1}	16.9	X	242.41469	115.11064	191.32867	4.54958	0.0879889	0.21900823	2.7258111	20	3 2.5	20.8
494192 2016 HG_{1}	17.4	X	341.74478	226.00604	9.59980	3.74323	0.0898287	0.24143157	2.5543085	20	4 8.1	20.3
494193 2016 HJ_{1}	16.6	X	221.40881	19.15906	268.78522	1.01503	0.0594869	0.19422124	2.9530552	20	1 23.3	20.8
494194 2016 HK_{1}	16.4	X	272.16015	191.27445	24.37394	15.59412	0.0733290	0.18335591	3.0685940	20	—	—
494195 2016 HP_{1}	16.8	X	234.72366	257.08229	23.71425	6.69796	0.2531896	0.18540982	3.0458901	20	1 22.4	22.1
494196 2016 HQ_{1}	18.1	X	33.79859	294.47512	343.09523	0.82260	0.1996095	0.29304412	2.2448158	20	10 4.1	20.5
494197 2016 HF_{6}	16.6	X	34.08553	31.19264	54.56730	13.32213	0.0370702	0.17693328	3.1424113	20	—	—
494198 2016 HE_{7}	17.5	X	147.53840	304.66460	121.50458	1.16554	0.0795095	0.24066984	2.5596953	20	4 19.8	21.2
494199 2016 HG_{7}	17.8	X	325.53798	251.00343	71.05350	3.16001	0.2183531	0.27013581	2.3699978	20	7 5.3	19.4
494200 2016 HV_{7}	16.9	X	254.05369	56.16001	184.05837	5.84063	0.0684583	0.18270961	3.0758262	20	1 2.3	21.5
494201 2016 HJ_{9}	16.6	X	204.66928	262.57766	94.02720	6.16868	0.1767051	0.22008455	2.7169168	20	3 27.2	21.1
494202 2016 HT_{9}	17.4	X	69.23039	23.58002	159.77754	6.26193	0.0801929	0.26760605	2.3849105	20	6 17.6	20.4
494203 2016 HB_{10}	18.0	X	37.13325	154.87745	127.67493	4.60666	0.1193249	0.30164382	2.2019448	20	10 7.0	20.4
494204 2016 HO_{11}	16.6	X	234.21067	242.01382	15.45475	6.33661	0.1102333	0.18004087	3.1061469	20	1 1.1	21.6
494205 2016 HT_{13}	16.3	X	195.99286	95.49708	216.49674	8.98029	0.0591703	0.19117804	2.9843108	20	1 23.0	20.9
494206 2016 HM_{14}	17.2	X	55.52511	76.05549	59.95442	3.56608	0.1670154	0.23798906	2.5788815	20	4 3.5	19.8
494207 2016 HQ_{14}	16.9	X	335.61840	332.87668	170.29727	2.13066	0.1519340	0.18760850	3.0220457	20	—	—
494208 2016 HZ_{14}	17.1	X	95.55559	237.12369	189.90392	4.20860	0.0517891	0.20865339	2.8152638	20	2 14.8	20.9
494209 2016 HH_{15}	15.9	X	133.23311	273.09735	65.50180	4.52943	0.0744863	0.16787946	3.2544005	20	—	—
494210 2016 HO_{15}	17.6	X	283.29198	269.32330	45.15304	4.66126	0.2028760	0.24075003	2.5591269	20	4 14.2	21.0
494211 2016 HC_{16}	17.5	X	306.69384	111.45935	126.90092	2.77554	0.0363862	0.21953063	2.7214851	20	3 2.4	21.0
494212 2016 HS_{18}	16.7	X	354.91817	62.36769	52.66229	6.13333	0.1020238	0.17884570	3.1199697	20	—	—
494213 2016 HQ_{23}	17.7	X	75.88035	137.88358	36.51125	8.16398	0.0902417	0.26707339	2.3880805	20	6 14.9	20.7
494214 2016 JV_{6}	15.9	X	331.00732	298.24707	202.76582	13.80393	0.0246437	0.17279339	3.1924049	20	—	—
494215 2016 JX_{6}	17.8	X	5.79732	116.16083	168.89221	3.61895	0.1931496	0.27730832	2.3289533	20	8 17.9	19.6
494216 2016 JP_{19}	16.5	X	206.92630	86.56535	213.72135	6.89797	0.1420237	0.18025024	3.1037411	20	1 22.3	21.6
494217 2016 JJ_{25}	16.2	X	164.08469	312.59303	24.20493	1.19140	0.0642287	0.17573570	3.1566715	20	1 23.8	20.8
494218 2016 JR_{36}	16.6	X	298.38744	44.45771	231.13695	13.18368	0.1601473	0.22565181	2.6720434	20	3 14.7	20.4
494219 2016 LN_{8}	12.7	X	191.18643	21.59928	87.60929	43.39664	0.0537321	0.07219278	5.7122453	20	7 22.7	20.5
494220 2016 LK_{42}	17.4	X	240.61026	89.45569	235.06889	12.16588	0.2932750	0.17655273	3.1469252	20	3 7.7	23.1
494221 2016 NZ_{6}	17.5	X	304.08790	22.95410	306.82013	5.41592	0.1245062	0.22579478	2.6709153	20	6 16.1	20.7
494222 2016 ND_{10}	16.6	X	245.47389	36.55816	34.16630	12.08640	0.2415536	0.24010548	2.5637047	20	8 1.6	20.7
494223 2016 NQ_{11}	16.9	X	187.21563	203.83647	242.18748	4.31041	0.0929971	0.23299847	2.6155759	20	6 29.0	20.9
494224 2016 NQ_{17}	17.1	X	272.93588	165.77968	257.40034	5.36445	0.0680623	0.26763754	2.3847235	20	9 19.7	19.9
494225 2016 NB_{21}	15.8	X	257.28157	3.52950	313.14803	9.63338	0.0978080	0.18834495	3.0141629	20	3 29.0	20.5
494226 2016 NP_{24}	14.7	X	191.11423	37.57199	250.51296	7.67060	0.1923826	0.12552289	3.9505185	20	1 3.5	21.1
494227 2016 NX_{24}	16.9	X	247.67059	165.51576	139.87913	0.24725	0.1547169	0.17850922	3.1238892	20	3 5.7	21.7
494228 2016 ND_{36}	17.5	X	323.15253	19.12148	335.30114	4.96159	0.3235999	0.23868951	2.5738338	20	8 6.0	18.9
494229 2016 NY_{43}	15.8	X	181.81681	164.62735	139.01131	3.78274	0.1839608	0.12525401	3.9561700	20	1 13.5	22.1
494230 2016 NZ_{44}	16.6	X	283.04554	149.83433	134.19140	1.82493	0.0601658	0.17990438	3.1077177	20	3 30.2	21.0
494231 2016 NA_{47}	17.9	X	276.93449	267.73856	140.46644	2.52791	0.4126538	0.22068195	2.7120114	20	7 8.6	22.0
494232 2016 NL_{50}	17.1	X	339.18203	182.42965	176.16291	2.47880	0.2080804	0.25615144	2.4554901	20	10 13.7	18.8
494233 2016 NE_{52}	16.7	X	294.41148	81.40054	238.94573	4.81061	0.1015380	0.21704947	2.7421859	20	5 22.7	20.0
494234 2016 NJ_{53}	16.3	X	154.56846	167.18482	269.74286	7.26077	0.0588434	0.19692450	2.9259678	20	5 9.9	20.7
494235 2016 PE_{3}	16.8	X	213.76434	303.41837	59.14511	5.84412	0.1506533	0.17615662	3.1516410	20	4 12.9	21.8
494236 2016 PX_{9}	17.6	X	191.37596	36.47890	43.85500	5.02445	0.0344756	0.21452714	2.7636384	20	6 28.3	21.6
494237 2016 PM_{10}	17.0	X	280.85793	312.50404	92.20456	5.51410	0.1774045	0.24246560	2.5470412	20	8 20.3	19.9
494238 2016 PN_{13}	16.1	X	273.75031	222.50110	83.25012	10.19684	0.0452705	0.18410871	3.0602236	20	4 20.4	20.6
494239 2016 PB_{24}	15.9	X	173.20176	303.17520	94.56966	7.82265	0.0108679	0.17821625	3.1273118	20	4 16.1	20.4
494240 2016 PP_{25}	17.0	X	165.87205	50.66474	29.39986	7.64377	0.0538718	0.20056188	2.8904832	20	5 26.6	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494241 2016 PT_{27}	16.5	X	214.94392	346.09607	77.58332	10.86123	0.1398255	0.21653960	2.7464888	20	6 26.4	20.8
494242 2016 PL_{29}	15.9	X	191.50884	317.40672	81.44867	10.54830	0.0745740	0.18583590	3.0412326	20	5 7.8	20.6
494243 2016 PU_{55}	17.1	X	296.26122	264.02935	50.47789	8.59255	0.0547474	0.20055443	2.8905548	20	5 23.9	20.9
494244 2016 PD_{59}	16.9	X	260.40428	290.96145	66.72664	9.25515	0.0848156	0.19970575	2.8987383	20	5 29.6	21.1
494245 2016 PC_{75}	16.2	X	218.35618	39.61833	8.72248	14.21345	0.2911553	0.17467462	3.1694423	20	5 28.9	22.0
494246 2016 QB_{1}	17.5	X	309.40877	186.61766	213.17150	3.66162	0.1735026	0.25580959	2.4576772	20	10 7.5	19.7
494247 2016 QR_{6}	17.0	X	329.34946	69.30282	264.48928	4.85836	0.1624869	0.23694612	2.5864434	20	8 3.3	19.5
494248 2016 QE_{13}	17.2	X	305.39886	326.60245	325.52150	5.65600	0.2017014	0.19804979	2.9148741	20	4 12.9	21.0
494249 2016 QL_{14}	17.9	X	327.21724	7.18011	326.78497	4.89084	0.1895272	0.23597590	2.5935280	20	7 29.9	20.3
494250 2016 QM_{17}	16.5	X	262.76757	67.36030	242.38225	8.60479	0.0654592	0.17438176	3.1729899	20	4 2.6	21.2
494251 2016 QO_{20}	17.6	X	90.15329	325.51100	250.35928	6.04737	0.0874739	0.24541403	2.5265998	20	8 27.3	21.2
494252 2016 QM_{21}	17.2	X	288.71371	124.88450	232.87647	6.60322	0.0480687	0.22215573	2.7000037	20	7 11.9	20.7
494253 2016 QK_{23}	16.7	X	290.90104	79.37699	234.37092	5.25086	0.0756560	0.19491173	2.9460768	20	5 13.3	20.5
494254 2016 QP_{30}	17.0	X	271.15550	314.67217	56.47362	5.68594	0.1037917	0.21520944	2.7577941	20	6 27.9	20.8
494255 2016 QX_{30}	18.4	X	313.52974	345.67235	58.85749	3.13523	0.1933880	0.26194944	2.4191218	20	10 27.2	20.2
494256 2016 QH_{34}	16.7	X	258.35901	4.82365	293.31358	5.36736	0.2493761	0.17309433	3.1887036	20	2 26.4	22.0
494257 2016 QN_{35}	17.6	X	274.01762	238.89295	171.24630	2.68760	0.2141061	0.23751360	2.5823220	20	8 7.8	20.9
494258 2016 QA_{39}	17.5	X	333.01697	55.27736	303.69904	5.43946	0.1583707	0.25446807	2.4663073	20	9 22.8	19.7
494259 2016 QH_{39}	18.1	X	10.63826	186.33728	207.65131	3.94663	0.1498980	0.30361309	2.1924131	20	—	—
494260 2016 QL_{41}	17.0	X	23.99875	184.06388	64.24635	5.65310	0.0245126	0.21429672	2.7656191	20	7 2.7	20.6
494261 2016 QW_{49}	17.0	X	281.09030	282.89262	54.12950	3.10320	0.0938066	0.20003085	2.8955966	20	5 27.7	21.0
494262 2016 QS_{52}	16.5	X	237.27313	131.28167	207.52905	4.90375	0.1274840	0.17386864	3.1792295	20	4 6.1	21.4
494263 2016 QT_{53}	16.8	X	235.20565	129.17758	221.58569	4.52295	0.1578494	0.17637010	3.1490973	20	4 15.7	21.8
494264 2016 QC_{54}	18.0	X	271.63835	217.84690	260.10844	6.51174	0.1630417	0.28977395	2.2616730	20	12 2.7	19.9
494265 2016 QL_{55}	16.3	X	239.46099	76.12376	268.01805	8.29211	0.1071843	0.18064783	3.0991854	20	4 13.3	21.1
494266 2016 QY_{55}	16.1	X	252.60789	71.89034	253.66345	9.91110	0.0796579	0.18278532	3.0749768	20	4 7.4	20.8
494267 2016 QO_{57}	16.5	X	2.54589	359.18713	238.16163	7.49120	0.0297809	0.19935472	2.9021400	20	5 18.0	20.3
494268 2016 QZ_{64}	16.8	X	133.04495	214.67174	263.47990	4.85648	0.0086976	0.20284484	2.8687546	20	6 2.8	20.6
494269 2016 QY_{65}	16.2	X	316.42031	43.78813	205.69099	5.07695	0.0837867	0.17881411	3.1203372	20	3 25.4	20.3
494270 2016 QU_{69}	16.8	X	254.57325	62.94141	268.68606	4.43505	0.0854237	0.18756818	3.0224788	20	4 18.0	21.3
494271 2016 QO_{70}	18.1	X	312.38838	123.48854	216.83769	3.39160	0.2414259	0.23291225	2.6162214	20	6 27.6	20.7
494272 2016 QR_{73}	18.0	X	352.99320	201.59457	139.91607	0.54416	0.2100064	0.25255879	2.4787214	20	10 17.9	20.1
494273 2016 QZ_{77}	16.9	X	287.54297	132.38207	235.18394	8.47544	0.2296550	0.21840162	2.7308560	20	6 25.2	20.4
494274 2016 QB_{78}	17.0	X	335.29951	88.64271	217.34785	11.60337	0.1861772	0.22273570	2.6953148	20	6 30.0	19.8
494275 2016 QQ_{83}	17.4	X	329.33518	144.21937	228.25506	3.57513	0.2993479	0.23798663	2.5788990	20	10 2.7	18.7
494276 2016 RL_{3}	15.7	X	296.49320	341.77993	289.67203	3.96602	0.1393942	0.17303990	3.1893722	20	3 17.9	20.2
494277 2016 RG_{4}	16.4	X	337.18789	46.03456	266.17548	8.58599	0.0739347	0.23221629	2.6214461	20	7 20.7	19.4
494278 2016 RW_{6}	16.8	X	238.10411	131.58426	216.70382	9.86339	0.0111694	0.18532540	3.0468150	20	4 29.9	21.1
494279 2016 RZ_{6}	16.7	X	226.98515	156.22055	207.11423	6.61291	0.0610429	0.18496433	3.0507789	20	4 30.9	21.3
494280 2016 RC_{10}	17.3	X	30.00015	305.27688	287.49218	2.98799	0.0167184	0.21157951	2.7892470	20	6 18.9	21.1
494281 2016 RS_{10}	16.6	X	295.65257	41.63691	254.44268	5.11637	0.1446915	0.18634550	3.0356855	20	4 15.1	20.8
494282 2016 RJ_{11}	16.2	X	173.25294	136.20078	294.24183	7.62027	0.1818700	0.17767478	3.1336623	20	5 25.1	21.5
494283 2016 RE_{12}	18.5	X	357.32035	90.31670	284.44157	5.90466	0.1464536	0.28244825	2.3006124	20	12 14.6	20.9
494284 2016 RC_{13}	18.3	X	320.32972	114.22312	289.62636	4.68427	0.2390576	0.26640512	2.3920725	20	11 12.4	19.7
494285 2016 RD_{13}	17.5	X	214.88377	172.41815	271.76327	4.53730	0.0781737	0.22949433	2.6421334	20	7 28.4	21.4
494286 2016 RH_{13}	18.0	X	329.16290	209.83535	209.82264	5.28080	0.2450018	0.28292605	2.2980215	20	—	—
494287 2016 RF_{14}	17.3	X	40.18238	337.55682	248.67442	2.62066	0.0325738	0.21584511	2.7523769	20	6 26.2	20.9
494288 2016 RJ_{15}	16.5	X	266.88864	90.50012	254.80401	10.47973	0.0443577	0.19947258	2.9009968	20	5 27.4	20.5
494289 2016 RM_{15}	16.3	X	147.55763	211.30164	256.03119	10.48491	0.1696158	0.18976394	2.9991182	20	6 16.9	21.2
494290 2016 RJ_{21}	17.5	X	303.92604	202.01980	210.97166	4.44304	0.1361093	0.25614556	2.4555277	20	10 20.3	19.7
494291 2016 RN_{23}	16.9	X	282.54416	12.51220	51.87706	7.21084	0.0858859	0.25204862	2.4820651	20	10 7.3	19.8
494292 2016 RP_{25}	17.3	X	291.50344	80.75318	270.53891	3.64224	0.0858651	0.21310002	2.7759633	20	7 2.2	20.7
494293 2016 RG_{27}	16.7	X	197.12762	61.45911	350.37968	8.62504	0.0742697	0.17935188	3.1140967	20	5 24.9	21.5
494294 2016 RP_{29}	16.4	X	228.30454	220.11363	170.57670	4.96533	0.1772494	0.17611204	3.1521728	20	5 27.3	21.5
494295 2016 RM_{30}	18.2	X	319.55607	281.21136	159.08377	2.97862	0.1725799	0.28440116	2.2900685	20	—	—
494296 2016 RT_{34}	17.7	X	356.33818	357.23218	319.24399	4.33882	0.2443303	0.23729980	2.5838728	20	9 13.4	19.7
494297 2016 RJ_{35}	17.8	X	252.13867	240.70866	128.77251	3.62260	0.2425909	0.19296726	2.9658348	20	5 17.7	22.6
494298 2016 RJ_{36}	17.6	X	333.15680	1.26422	344.23529	4.88842	0.3202019	0.23811677	2.5779593	20	8 26.9	18.7
494299 2016 RC_{42}	17.1	X	106.33019	254.01166	320.40202	2.91694	0.0836623	0.24601414	2.5224893	20	9 15.8	20.7
494300 2016 SQ_{4}	17.3	X	276.51915	203.33372	246.04708	13.67970	0.0553580	0.26772799	2.3841863	20	11 4.9	20.2
494301 2016 SO_{7}	16.4	X	36.39025	347.51757	251.27769	13.70645	0.1689632	0.21446307	2.7641888	20	7 22.3	19.8
494302 2016 SA_{8}	17.4	X	15.26707	30.82172	250.44174	12.00846	0.1408337	0.23106113	2.6301759	20	8 11.7	20.5
494303 2016 SG_{9}	17.4	X	35.19538	322.73826	357.44821	6.95189	0.1184560	0.26986727	2.3715698	20	11 14.7	20.4
494304 2016 SM_{9}	17.5	X	352.28863	91.40740	243.93668	5.13171	0.1088724	0.25364769	2.4716223	20	9 22.9	20.1
494305 2016 SV_{10}	18.7	X	330.24007	98.86701	308.23170	1.29579	0.2181067	0.26759029	2.3850042	20	12 15.1	20.4
494306 2016 SG_{11}	18.5	X	10.26298	57.12592	296.44717	1.73113	0.2139527	0.27104331	2.3647047	20	12 12.9	21.0
494307 2016 SY_{11}	16.5	X	228.02589	248.65872	131.31702	2.04354	0.1744667	0.17485597	3.1672504	20	5 13.9	21.5
494308 2016 SF_{14}	17.8	X	329.63570	170.86097	176.60018	5.57291	0.2497940	0.23815531	2.5776812	20	8 20.9	19.5
494309 2016 SE_{16}	17.0	X	354.62917	115.05537	186.25507	6.04405	0.2059607	0.22731819	2.6589689	20	8 8.6	19.4
494310 2016 SH_{18}	17.7	X	26.57283	5.87325	303.42521	3.80483	0.1597221	0.25655587	2.4529089	20	10 22.4	20.6
494311 2016 SJ_{19}	17.5	X	311.34376	19.04087	309.65109	4.31322	0.0865624	0.21408477	2.7674442	20	7 1.5	20.8
494312 2016 SU_{21}	17.0	X	338.21115	332.72525	33.41383	6.20653	0.0960549	0.25083999	2.4900316	20	10 15.3	19.6
494313 2016 SG_{22}	16.7	X	332.46565	234.47396	85.18661	4.99633	0.0846233	0.21619445	2.7494111	20	7 24.2	19.9
494314 2016 SG_{29}	17.0	X	322.29419	265.10843	67.23489	2.85570	0.1036488	0.22037747	2.7145088	20	7 23.8	20.0
494315 2016 SD_{35}	15.9	X	290.03469	41.44047	279.53999	8.51446	0.2798836	0.18987360	2.9979633	20	4 17.8	20.4
494316 2016 SL_{38}	17.5	X	341.36966	168.36034	169.47566	3.92389	0.2413928	0.24015269	2.5633687	20	9 10.3	19.0
494317 2016 SP_{44}	16.4	X	251.36092	310.97061	58.29571	4.64566	0.1777474	0.18117898	3.0931253	20	5 22.5	21.0
494318 2016 SD_{46}	17.0	X	39.98034	33.91488	283.65960	5.27084	0.1281519	0.26560426	2.3968785	20	11 19.4	20.0
494319 2016 TK_{1}	16.7	X	260.10346	140.71557	214.63825	8.79026	0.2250524	0.18813753	3.0163779	20	5 9.5	21.4
494320 2016 TO_{1}	17.7	X	6.78898	35.76402	253.58583	12.10066	0.2388630	0.23013251	2.6372466	20	8 18.1	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494321 2016 TU_1	16.8	X	338.34840	271.29379	22.71143	7.64076	0.2115198	0.21362526	2.7714113	20	6 16.4	19.5
494322 2016 TO_3	17.8	X	325.67996	180.23607	224.33739	2.01917	0.1859570	0.26587283	2.3952641	20	11 26.6	19.7
494323 2016 TQ_3	15.9	X	29.64597	206.59383	350.71556	10.53388	0.0036954	0.16962131	3.2320825	20	4 28.5	20.6
494324 2016 TO_9	15.8	X	245.36309	354.10902	17.13801	12.32031	0.0987185	0.17228725	3.1986542	20	5 24.4	20.7
494325 2016 TU_9	16.3	X	242.92726	152.30393	225.15205	27.20713	0.2551444	0.18373673	3.0643526	20	5 17.1	21.4
494326 2016 TS_{11}	16.8	X	249.32276	41.60199	336.77193	4.70486	0.1947372	0.18591315	3.0403901	20	5 28.9	21.6
494327 2016 TL_{13}	16.7	X	251.92996	92.07506	329.27740	4.63999	0.0960565	0.20916216	2.8106967	20	8 10.1	20.4
494328 2016 TX_{13}	16.5	X	251.86781	0.52347	348.20312	5.09643	0.1429867	0.18601818	3.0392456	20	4 29.6	21.2
494329 2016 TG_{14}	16.3	X	204.85193	102.65981	295.82871	10.65935	0.0830812	0.17479622	3.1679722	20	5 16.4	21.3
494330 2016 TY_{16}	16.6	X	253.93825	66.22934	330.67532	9.91796	0.0720776	0.19278961	2.9676565	20	7 15.3	20.9
494331 2016 TO_{22}	15.8	X	182.78965	163.13076	268.90136	9.23209	0.0845454	0.18037476	3.1023125	20	6 5.7	20.6
494332 2016 TD_{25}	17.9	X	15.98034	183.17510	217.62833	6.43388	0.1350867	0.28594885	2.2817977	20	—	—
494333 2016 TT_{29}	16.6	X	326.43315	89.74079	263.77593	12.77548	0.2090210	0.22796351	2.6539485	20	8 17.2	19.4
494334 2016 TR_{30}	17.3	X	336.79235	146.61198	253.28239	4.86846	0.1271194	0.26694313	2.3888573	20	12 7.2	19.3
494335 2016 TZ_{33}	16.0	X	26.67502	323.62099	276.99972	9.38676	0.0544122	0.17897673	3.1184468	20	6 27.1	20.1
494336 2016 TJ_{34}	16.7	X	224.59567	55.06035	337.05209	9.50911	0.1359812	0.18244438	3.0788065	20	5 25.4	21.7
494337 2016 TL_{35}	16.6	X	3.76409	32.03541	233.56344	12.12517	0.2356717	0.21441778	2.7645780	20	7 4.2	19.1
494338 2016 TS_{36}	17.6	X	333.80298	44.99715	338.59988	5.75104	0.1447014	0.25669268	2.4520372	20	11 2.5	20.0
494339 2016 TB_{43}	17.2	X	304.12246	159.54877	192.59233	2.07072	0.1686218	0.21303857	2.7764971	20	7 10.4	20.3
494340 2016 TK_{43}	17.3	X	279.75225	141.41294	189.27091	4.92489	0.2473172	0.18690621	3.0296112	20	4 27.2	21.8
494341 2016 TZ_{43}	16.5	X	253.64690	178.33434	199.30637	11.40409	0.0453867	0.18904740	3.0066918	20	6 21.1	20.9
494342 2016 TQ_{46}	16.6	X	217.73153	204.05772	237.69752	11.08101	0.0084360	0.19933391	2.9023420	20	7 30.7	20.8
494343 2016 TC_{47}	17.7	X	354.17789	311.13647	8.17081	3.13198	0.1978488	0.22655185	2.6649617	20	9 7.5	20.1
494344 2016 TU_{48}	16.9	X	355.54969	260.00695	56.05254	11.37430	0.2123982	0.22367744	2.6877442	20	9 13.3	19.6
494345 2016 TD_{54}	16.6	X	264.17951	82.65700	290.29465	8.78850	0.1482572	0.18582879	3.0413101	20	6 14.2	21.0
494346 2016 TS_{57}	17.5	X	348.99782	106.57460	255.56177	2.74026	0.1952940	0.24567490	2.5248109	20	11 4.9	19.8
494347 2016 TZ_{59}	17.9	X	347.94886	43.28688	314.24920	1.33232	0.2117386	0.25628339	2.4546472	20	11 1.2	19.8
494348 2016 TZ_{63}	17.6	X	333.48505	299.22806	33.19737	5.15811	0.1279708	0.22547462	2.6734431	20	8 14.4	20.4
494349 2016 TP_{64}	16.9	X	338.95327	305.64535	41.04557	32.02223	0.2368286	0.23172009	2.6251871	20	10 8.0	19.7
494350 2016 TD_{70}	16.5	X	198.89871	182.42761	287.31345	3.99041	0.0787708	0.20831593	2.8183033	20	8 10.7	20.6
494351 2016 TA_{74}	16.5	X	28.81448	215.39951	2.33013	9.83961	0.0481973	0.17804542	3.1293119	20	5 28.1	20.9
494352 2016 TB_{74}	17.3	X	243.52094	237.28773	200.92782	8.68058	0.1946832	0.21828394	2.7318375	20	8 6.2	21.6
494353 2016 TW_{76}	17.4	X	265.42219	58.59503	23.63526	4.94333	0.1398123	0.22896169	2.6462295	20	9 21.8	20.6
494354 2016 TE_{78}	17.2	X	327.26565	138.59273	223.51961	2.80401	0.2234152	0.23279544	2.6170965	20	9 8.7	19.1
494355 2016 TX_{79}	16.5	X	232.31460	44.72633	346.97319	11.78314	0.1162187	0.17666816	3.1455544	20	6 3.9	21.5
494356 2016 TQ_{89}	16.4	X	317.94332	96.37223	210.29263	10.30344	0.1050961	0.17918103	3.1160759	20	6 8.3	20.5
494357 2016 TN_{90}	17.4	X	283.82370	36.24314	45.37690	14.20178	0.2289501	0.23635495	2.5907544	20	10 11.4	20.2
494358 2016 TY_{90}	16.6	X	252.48650	319.09236	99.65479	3.30438	0.0524827	0.20298345	2.8674486	20	8 13.7	20.5
494359 2016 TT_{91}	15.9	X	249.30010	346.88524	39.19014	10.88289	0.1385070	0.18323249	3.0699719	20	6 13.6	20.6
494360 2016 UO_1	16.5	X	250.04167	135.26688	252.12319	8.38645	0.1106957	0.18809806	3.0167999	20	6 20.7	20.8
494361 2016 UG_6	16.5	X	204.87913	61.60361	12.77141	10.54879	0.1030924	0.18590708	3.0404562	20	7 2.3	21.3
494362 2016 UX_8	16.2	X	226.87594	76.70191	320.31462	11.67200	0.1063932	0.17838020	3.1253952	20	6 6.7	21.2
494363 2016 UB_{12}	17.0	X	94.85983	298.37352	345.03953	3.84877	0.1346097	0.27970975	2.3156041	20	12 11.0	20.4
494364 2016 UD_{12}	17.9	X	353.56836	345.14166	335.28278	2.67150	0.2317141	0.23586870	2.5943138	20	9 12.1	19.8
494365 2016 UJ_{16}	16.4	X	321.72257	322.77268	334.94632	9.07446	0.0851024	0.17855144	3.1233967	20	6 2.7	20.6
494366 2016 UH_{20}	18.1	X	133.40775	247.74950	39.54288	1.99066	0.0835958	0.30094233	2.2053652	20	—	—
494367 2016 UB_{23}	17.1	X	229.24208	42.66727	36.20603	6.38497	0.0376419	0.20686919	2.8314279	20	8 14.8	21.1
494368 2016 UL_{23}	18.2	X	316.36115	146.22149	228.67682	5.16421	0.2406534	0.23058085	2.6338269	20	8 28.5	20.6
494369 2016 UN_{23}	18.1	X	75.16488	303.14114	27.13067	6.94988	0.1482952	0.29177213	2.2513353	20	—	—
494370 2016 UM_{25}	16.9	X	355.01239	85.43296	229.47360	11.27920	0.2865693	0.22922419	2.6442088	20	9 5.5	19.1
494371 2016 UC_{27}	17.0	X	263.49791	67.79263	28.61044	12.29736	0.1696092	0.23338460	2.6126902	20	10 5.6	20.3
494372 2016 UV_{27}	16.7	X	197.28179	84.65195	15.34804	7.85496	0.0408823	0.19562891	2.9388721	20	8 1.6	21.0
494373 2016 UQ_{28}	15.7	X	198.01776	37.78268	19.24887	21.19632	0.0791110	0.17952306	3.1121168	20	5 28.4	20.8
494374 2016 UZ_{28}	16.7	X	223.53383	127.94126	277.71314	12.28217	0.1395542	0.18051809	3.1006701	20	6 12.1	21.5
494375 2016 UU_{30}	16.2	X	253.16609	160.88424	204.36805	11.80343	0.1307274	0.17446751	3.1719501	20	5 25.9	21.0
494376 2016 UC_{33}	16.1	X	328.51814	274.12450	19.53188	11.87553	0.0961576	0.17969386	3.1101444	20	6 5.9	20.2
494377 2016 UT_{33}	17.5	X	274.42782	102.66637	352.92240	3.53470	0.1676153	0.23476560	2.6024341	20	10 18.1	20.3
494378 2016 UV_{34}	16.9	X	225.27967	240.01850	217.77563	5.66689	0.0354709	0.20883591	2.8136232	20	8 29.8	20.8
494379 2016 UM_{39}	17.8	X	62.79596	310.09959	10.95241	5.87377	0.1808096	0.27842458	2.3227243	20	12 30.7	21.3
494380 2016 UW_{42}	16.4	X	256.25947	136.13788	226.56884	13.41338	0.2347692	0.17454768	3.1709787	20	5 13.6	21.3
494381 2016 UQ_{43}	18.3	X	5.34344	166.37813	216.99162	5.21669	0.2178374	0.27234343	2.3571729	20	—	—
494382 2016 UU_{45}	16.4	X	269.98874	69.76765	267.07948	8.72505	0.0958367	0.17096056	3.2151810	20	5 12.4	21.0
494383 2016 UJ_{46}	17.8	X	352.32296	163.32826	278.16898	7.14988	0.0494160	0.30277704	2.1964471	20	—	—
494384 2016 UR_{47}	16.9	X	267.23412	12.97979	353.41252	11.57468	0.1382584	0.18688183	3.0298747	20	6 9.4	21.5
494385 2016 UV_{47}	16.2	X	57.05541	328.87204	241.71322	9.90024	0.1228595	0.18288986	3.0738049	20	7 8.9	20.4
494386 2016 UE_{48}	16.4	X	325.20296	293.33307	7.03710	11.17396	0.0842846	0.18100784	3.0950747	20	6 11.7	20.6
494387 2016 UH_{48}	16.9	X	293.53167	0.37200	334.28920	2.23374	0.0630858	0.18312730	3.0711474	20	6 15.1	21.0
494388 2016 UK_{48}	18.2	X	16.50369	144.51915	236.45951	5.97919	0.1050764	0.27869108	2.3212433	20	—	—
494389 2016 UR_{49}	17.7	X	289.95622	185.83913	235.96452	10.32969	0.2111822	0.23339245	2.6126316	20	9 15.6	20.8
494390 2016 UM_{50}	16.6	X	347.98051	31.30014	259.53261	1.32759	0.0522451	0.18688383	3.0298530	20	7 7.0	20.5
494391 2016 UF_{51}	17.2	X	286.46141	195.16298	222.83318	11.34624	0.1654517	0.22504890	2.6768135	20	9 10.1	20.5
494392 2016 UQ_{51}	17.1	X	286.60035	31.76456	52.97786	5.94560	0.1910296	0.23827040	2.5768511	20	10 23.8	19.7
494393 2016 UJ_{52}	16.5	X	259.19039	15.16124	59.17655	7.08089	0.0367335	0.21409871	2.7673240	20	9 18.9	20.3
494394 2016 UR_{53}	19.2	X	52.29015	331.34696	33.89303	4.11182	0.1827312	0.29767944	2.2214514	20	—	—
494395 2016 UB_{54}	17.4	X	338.08129	295.68171	77.48997	7.69656	0.2075262	0.25096186	2.4892255	20	11 4.1	19.4
494396 2016 UM_{55}	16.9	X	289.83519	314.93986	72.63731	6.47763	0.1888127	0.20579067	2.8413120	20	8 4.1	20.4
494397 2016 UP_{56}	17.3	X	287.73481	194.97086	212.91742	4.13539	0.2271823	0.21552794	2.7550765	20	8 20.0	20.5
494398 2016 UE_{58}	17.2	X	250.72675	106.28521	351.23829	12.10227	0.2470224	0.22602968	2.6690645	20	9 6.2	21.1
494399 2016 UT_{58}	16.2	X	252.76460	45.55672	327.01262	8.29115	0.0966241	0.18154932	3.0889174	20	6 6.1	20.8
494400 2016 UU_{58}	16.6	X	2.14032	259.15071	356.17408	10.39190	0.0733021	0.17891757	3.1191342	20	6 9.5	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494401 2016 UA_{59}	17.7	X	78.24683	354.56265	315.30716	6.56451	0.1386256	0.28332034	2.2958889	20	12 29.6	21.0
494402 2016 UB_{59}	16.6	X	273.66616	57.48269	311.76636	8.46523	0.0761962	0.19304272	2.9650619	20	7 2.9	20.7
494403 2016 UC_{59}	16.4	X	252.44990	87.94279	285.38084	7.97615	0.0858006	0.18005543	3.1059793	20	6 8.7	21.0
494404 2016 UF_{59}	16.1	X	326.34597	44.24210	247.37685	14.34978	0.0359502	0.17503706	3.1650655	20	6 7.5	20.4
494405 2016 UQ_{59}	17.0	X	7.75988	347.70085	320.22700	4.27918	0.2335746	0.23636027	2.5907156	20	9 24.6	19.4
494406 2016 UZ_{59}	16.6	X	233.72210	33.64606	358.88844	9.09897	0.0848940	0.17843402	3.1247668	20	6 10.5	21.4
494407 2016 UZ_{60}	17.3	X	347.90155	302.13734	68.41289	7.43501	0.1191023	0.25672671	2.4518205	20	11 11.7	19.8
494408 2016 UQ_{62}	16.1	X	226.55909	321.31098	71.07950	11.17104	0.1159711	0.17683424	3.1435845	20	5 31.6	20.7
494409 2016 UG_{64}	17.6	X	50.20000	264.73668	34.04583	8.61222	0.0814937	0.25350989	2.4725179	20	10 29.9	20.6
494410 2016 UJ_{64}	17.5	X	127.33622	170.23243	71.10096	7.33006	0.1078764	0.26771673	2.3842532	20	11 18.6	20.9
494411 2016 UV_{69}	17.0	X	9.54389	281.65573	38.52384	15.68583	0.1467013	0.23727203	2.5840744	20	10 10.5	19.9
494412 2016 UA_{70}	17.3	X	346.45505	298.22111	29.00423	5.46639	0.1672190	0.22709510	2.6607100	20	9 2.7	19.8
494413 2016 UB_{70}	16.7	X	249.77252	346.26592	29.86473	9.99564	0.1807843	0.18178512	3.0862456	20	5 27.2	21.6
494414 2016 US_{72}	18.6	X	346.61801	58.89187	325.04919	0.72721	0.1844595	0.25985321	2.4321144	20	12 6.8	20.9
494415 2016 UX_{72}	16.9	X	253.64850	164.25563	225.02783	1.32311	0.1058289	0.19008217	2.9957700	20	6 28.2	21.3
494416 2016 UB_{73}	16.9	X	350.35552	274.62990	30.67757	7.96839	0.2154454	0.21489609	2.7604743	20	8 8.7	19.5
494417 2016 UF_{74}	16.6	X	252.70758	353.73830	29.24015	11.17902	0.0491394	0.18411522	3.0601515	20	6 26.6	21.1
494418 2016 UW_{74}	16.7	X	183.47380	258.68244	201.43772	6.97172	0.0223510	0.18943617	3.0025767	20	7 12.2	21.1
494419 2016 UP_{75}	18.1	X	21.38937	359.35795	316.70768	1.68704	0.1438980	0.24375410	2.5380574	20	10 19.6	20.9
494420 2016 UR_{75}	18.0	X	30.30471	328.04124	7.16520	2.59087	0.1142249	0.26103646	2.4247591	20	11 27.3	20.8
494421 2016 US_{75}	16.4	X	262.98417	137.39285	217.69167	9.66019	0.1218164	0.17701656	3.1414256	20	5 25.1	21.0
494422 2016 UM_{81}	18.5	X	31.28631	139.37464	194.47797	3.37816	0.2148093	0.26651932	2.3913891	20	12 14.1	21.6
494423 2016 UO_{81}	16.5	X	262.42183	154.66287	214.85026	17.67312	0.0924478	0.18186192	3.0853767	20	6 14.3	21.1
494424 2016 UK_{82}	16.9	X	223.41560	202.73752	235.02691	5.56350	0.0356767	0.20039080	2.8921281	20	7 31.8	21.0
494425 2016 UQ_{83}	17.6	X	338.96185	294.65303	39.09990	12.38682	0.1819716	0.22469740	2.6796044	20	8 31.9	20.4
494426 2016 UW_{83}	17.0	X	227.05255	27.39431	59.74092	2.73758	0.0285456	0.21068936	2.7970978	20	8 22.9	20.8
494427 2016 UO_{84}	18.5	X	46.03632	263.38090	76.68031	1.58213	0.1865526	0.27955501	2.3164585	20	—	—
494428 2016 UW_{84}	17.8	X	273.52507	36.60357	49.37813	5.11070	0.1750608	0.23614562	2.5922852	20	10 5.5	20.8
494429 2016 UK_{85}	17.1	X	253.75220	19.65957	49.95731	7.59443	0.0870868	0.21455990	2.7633571	20	8 28.9	21.0
494430 2016 UD_{86}	16.8	X	266.26618	359.65119	357.26980	2.29883	0.1090640	0.18152119	3.0892366	20	6 1.1	21.1
494431 2016 UR_{88}	17.1	X	250.88183	64.92287	36.41780	13.98362	0.1568901	0.22900619	2.6458866	20	9 29.1	20.7
494432 2016 UE_{89}	18.5	X	75.51696	291.88134	20.58997	7.29926	0.1325886	0.28273885	2.2990357	20	12 29.4	21.9
494433 2016 UM_{89}	16.6	X	352.86349	47.83540	222.45441	9.32533	0.0592232	0.17800305	3.1298085	20	6 16.3	20.8
494434 2016 UL_{90}	15.9	X	263.56464	146.89705	224.47496	9.20025	0.1035879	0.18517274	3.0484894	20	6 17.3	20.3
494435 2016 UT_{90}	16.6	X	324.98815	107.65542	210.21031	10.07476	0.0259716	0.19015109	2.9950460	20	7 9.5	20.9
494436 2016 UV_{90}	17.0	X	267.43737	304.13254	49.43152	2.71844	0.1138173	0.18082499	3.0971608	20	5 28.8	21.5
494437 2016 UW_{90}	17.0	X	304.28063	126.10511	203.87856	8.18534	0.0227214	0.18661029	3.0328132	20	6 28.5	21.3
494438 2016 US_{93}	17.0	X	238.31112	260.67078	212.41553	16.43775	0.1530539	0.22819744	2.6521344	20	9 20.2	20.9
494439 2016 UP_{96}	17.9	X	70.61894	73.65153	230.62203	3.41566	0.1744593	0.27495443	2.3422266	20	12 15.7	21.4
494440 2016 UJ_{104}	17.4	X	196.72401	134.09470	11.13463	2.58812	0.1358670	0.22587020	2.6703207	20	9 21.4	21.4
494441 2016 UQ_{104}	18.6	X	83.95129	52.41279	246.82309	1.96168	0.1714283	0.28068137	2.3102572	20	12 23.0	22.1
494442 2016 UY_{112}	17.7	X	94.01063	25.32828	240.84935	1.87335	0.1590207	0.25803356	2.4435351	20	11 16.7	21.5
494443 2016 UG_{116}	16.8	X	189.66830	58.37034	37.83885	9.80068	0.0255822	0.19211891	2.9745593	20	7 18.3	21.2
494444 2016 UC_{117}	18.1	X	324.90563	107.58803	211.25512	6.81368	0.3127711	0.21356349	2.7719457	20	6 8.7	20.7
494445 2016 UW_{118}	16.5	X	158.86610	84.48071	31.07018	14.14539	0.0188054	0.18269447	3.0759961	20	7 3.5	21.1
494446 2016 UT_{121}	17.1	X	231.20167	278.25686	113.32530	2.90916	0.2015434	0.18053824	3.1004394	20	5 28.7	22.2
494447 2016 UD_{138}	18.3	X	326.97807	122.88578	216.14614	12.35677	0.2829545	0.23514250	2.5996525	20	7 20.9	20.5
494448 2016 UO_{142}	16.4	X	240.92789	86.77804	289.04443	8.82573	0.1453897	0.17773440	3.1329614	20	5 22.1	21.3
494449 2016 UP_{142}	16.5	X	227.29026	93.30665	287.68824	9.24197	0.0832084	0.17011855	3.2257815	20	5 19.7	21.5
494450 2016 UY_{142}	17.7	X	279.47531	184.54744	186.49506	4.12771	0.2184927	0.20891622	2.8129021	20	6 20.9	21.5
494451 2016 UC_{143}	16.3	X	206.81924	28.87517	18.32569	12.57902	0.1295958	0.17481158	3.1677867	20	5 26.1	21.5
494452 2016 UF_{143}	18.7	X	49.41330	80.91385	21.74284	19.65716	0.1293939	0.36198216	1.9498952	20	—	—
494453 2016 UD_{144}	16.6	X	304.53368	96.17879	211.05307	9.03854	0.0858973	0.17548962	3.1596217	20	5 23.3	20.8
494454 2016 UW_{145}	16.3	X	232.99962	127.85118	281.22852	9.70622	0.0539177	0.18959144	3.0009372	20	7 5.4	20.6
494455 2016 UB_{146}	16.8	X	272.77006	72.27153	341.70947	2.43516	0.0835762	0.21473061	2.7618923	20	8 30.5	20.2
494456 2016 UU_{146}	16.4	X	270.59343	82.44196	285.43278	8.50485	0.1339646	0.18766142	3.0214776	20	6 17.6	20.7
494457 2016 VY_{7}	17.5	X	334.60115	23.91724	105.01858	3.72697	0.1654398	0.27290280	2.3539508	20	—	—
494458 2016 VH_{9}	16.7	X	261.57521	322.47432	44.73129	12.96901	0.1964383	0.18144192	3.0901362	20	5 26.8	21.4
494459 2016 VQ_{9}	17.7	X	287.33311	37.58242	22.14960	3.33953	0.1989694	0.22808886	2.6529760	20	9 14.9	20.6
494460 2016 VA_{11}	16.3	X	288.64399	302.12637	63.09586	10.76267	0.1096948	0.19071360	2.9891538	20	7 13.2	20.3
494461 2016 VF_{11}	17.9	X	317.48044	310.44758	76.22777	4.76775	0.2902583	0.23812207	2.5779211	20	9 23.7	19.5
494462 2016 VJ_{12}	17.5	X	354.90201	136.26924	201.27760	1.89602	0.1934499	0.23636945	2.5906484	20	10 8.5	19.6
494463 2016 VS_{15}	16.7	X	336.29628	315.72032	48.00031	14.81746	0.1750008	0.23813978	2.5777933	20	10 13.2	19.2
494464 2016 VZ_{15}	16.9	X	207.79532	286.94740	244.65122	12.62814	0.1008285	0.23986608	2.5654102	20	11 10.0	20.5
494465 2016 WH_{4}	17.6	X	108.66045	100.97944	205.92420	4.97805	0.1748429	0.29406583	2.2396131	20	—	—
494466 2016 WD_{5}	18.2	X	92.00134	319.42322	37.91449	1.47683	0.1657210	0.31627360	2.1335071	20	—	—
494467 2016 WM_{5}	17.0	X	277.96528	210.49401	205.81048	3.72233	0.0596305	0.21441903	2.7645673	20	9 12.2	20.6
494468 2016 WU_{10}	18.4	X	13.18431	262.93280	176.31289	2.17139	0.0380401	0.31182233	2.1537630	20	—	—
494469 2016 WV_{10}	17.3	X	246.68953	288.61849	85.54088	2.40767	0.1949287	0.17372200	3.1810183	20	5 22.4	22.2
494470 2016 WK_{11}	15.9	X	154.65559	241.91198	271.63652	16.08261	0.0561617	0.20101678	2.8861208	20	8 11.0	20.4
494471 2016 WF_{12}	18.1	X	0.38335	166.78527	230.06744	3.82219	0.1430671	0.27901814	2.3194291	20	—	—
494472 2016 WM_{12}	17.8	X	356.17518	13.87610	4.83560	1.56380	0.1810399	0.26062532	2.4273085	20	12 16.5	20.3
494473 2016 WJ_{13}	18.0	X	33.74786	85.95860	299.86422	2.04298	0.1776765	0.29067687	2.2569871	20	—	—
494474 2016 WL_{13}	16.8	X	40.81082	46.14443	260.58289	5.49409	0.2026367	0.24675864	2.5174130	20	11 13.4	20.1
494475 2016 WJ_{18}	16.8	X	310.91043	124.08397	221.24583	8.26338	0.1205599	0.19496804	2.9455095	20	7 16.0	20.6
494476 2016 WC_{19}	17.4	X	213.91827	135.39775	8.06062	1.48386	0.0300938	0.22771770	2.6558581	20	10 19.5	20.8
494477 2016 WC_{22}	16.2	X	270.74934	132.86433	238.39078	10.30146	0.1657583	0.18667863	3.0320729	20	6 17.1	20.6
494478 2016 WL_{22}	17.5	X	280.88854	31.66564	48.17275	5.47556	0.0799459	0.22773980	2.6556862	20	10 20.0	20.6
494479 2016 WQ_{23}	17.8	X	20.81589	84.73754	295.93695	2.91985	0.2128123	0.27935647	2.3175560	20	—	—
494480 2016 WV_{24}	16.9	X	109.80298	268.63892	15.45947	22.97559	0.1928138	0.27881963	2.3205298	20	12 28.3	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494481 2016 WF_{25}	18.2	X	67.96238	79.15507	261.09809	6.41752	0.1324360	0.27890232	2.3200711	20	—	—
494482 2016 WG_{27}	16.2	X	333.52149	54.20584	268.05380	9.38228	0.0989675	0.18531718	3.0469051	20	7 23.1	20.0
494483 2016 WH_{27}	17.2	X	286.74182	171.14379	259.39381	12.08811	0.1447251	0.22569444	2.6717068	20	9 29.9	20.6
494484 2016 WX_{32}	16.8	X	271.81543	272.21498	55.25594	25.22483	0.3502552	0.17579264	3.1559898	20	4 14.4	22.2
494485 2016 WG_{33}	16.7	X	267.96288	284.76171	93.50433	2.11657	0.1021835	0.18641669	3.0349126	20	7 2.3	20.8
494486 2016 WB_{34}	16.6	X	318.72433	82.40093	246.58199	7.35395	0.1343594	0.18813935	3.0163585	20	7 5.5	20.3
494487 2016 WY_{35}	16.3	X	313.11746	54.15652	262.09833	8.56786	0.2213960	0.17787169	3.1313491	20	5 27.2	20.1
494488 2016 WF_{39}	17.7	X	278.43685	221.99809	240.36533	8.05962	0.1479156	0.23981902	2.5657458	20	11 7.9	20.4
494489 2016 WR_{41}	17.0	X	281.89245	27.83163	54.21684	5.39063	0.1382400	0.23162285	2.6259217	20	10 17.9	20.1
494490 2016 WL_{42}	16.3	X	120.51822	290.42652	283.04932	4.93303	0.0056082	0.21177661	2.7875161	20	9 18.4	20.1
494491 2016 WQ_{43}	16.4	X	86.13174	352.24208	260.01734	2.66249	0.0524695	0.21789826	2.7350601	20	10 2.9	20.2
494492 2016 WV_{43}	16.7	X	350.86221	274.20171	57.39910	7.11082	0.0343831	0.20710868	2.8292447	20	9 9.9	20.5
494493 2016 WN_{45}	17.1	X	299.90364	28.61074	36.16862	14.46293	0.2471447	0.23501339	2.6006045	20	10 14.2	19.3
494494 2016 WP_{45}	16.8	X	325.12869	292.71579	54.13987	12.82071	0.0702620	0.19823858	2.9130231	20	8 24.1	20.7
494495 2016 WZ_{45}	17.6	X	266.20022	221.90795	249.41908	13.79820	0.1001153	0.24003939	2.5641753	20	11 6.9	20.9
494496 2016 WQ_{46}	16.7	X	358.39095	254.73716	80.66077	6.30794	0.0172189	0.21404262	2.7678074	20	9 25.4	20.4
494497 2016 WV_{47}	16.8	X	344.20645	279.15983	79.57356	4.86353	0.2575691	0.23699725	2.5860714	20	10 26.7	18.7
494498 2016 WU_{49}	16.4	X	307.15631	102.79134	220.10774	9.61922	0.1037648	0.18056163	3.1001716	20	6 13.3	20.5
494499 2016 WZ_{49}	18.2	X	6.14893	296.46516	83.60570	4.02620	0.1361969	0.26630167	2.3926919	20	12 29.2	20.7
494500 2016 WL_{50}	18.1	X	293.08019	322.77950	86.83350	3.43204	0.2010407	0.22720169	2.6598777	20	9 11.1	20.9
494501 2016 WO_{50}	16.9	X	258.30697	315.66282	93.47382	2.96395	0.0259513	0.20098575	2.8864179	20	8 12.4	20.8
494502 2016 WV_{50}	17.0	X	7.53691	274.92869	67.76917	12.82754	0.2152632	0.24036314	2.5618722	20	11 16.1	19.7
494503 2016 WO_{53}	18.2	X	5.73129	325.43214	57.12454	3.37639	0.2239257	0.26357151	2.4091864	20	—	—
494504 2016 WU_{54}	18.2	X	52.40459	281.47761	93.70586	3.52912	0.1912647	0.29161702	2.2521335	20	—	—
494505 2016 WE_{55}	17.3	X	305.35314	152.09825	281.49109	12.86411	0.2263810	0.23232673	2.6206153	20	11 3.8	19.9
494506 2016 WH_{55}	17.0	X	328.60383	351.72113	62.69621	16.39651	0.2532291	0.24177966	2.5518563	20	12 12.2	18.8
494507 2016 XY	17.5	X	298.75855	344.86430	73.55469	5.27286	0.1486317	0.23123173	2.6288820	20	10 13.5	20.3
494508 2016 XG_{5}	18.2	X	46.46781	153.91311	240.31665	4.50819	0.1103244	0.30199044	2.2002596	20	—	—
494509 2016 XS_{9}	16.4	X	208.31579	177.15618	299.57682	6.11303	0.0103840	0.20888115	2.8132169	20	9 4.8	20.4
494510 2016 XT_{9}	16.7	X	269.64151	97.39749	285.02205	7.98812	0.0886989	0.18744680	3.0237835	20	7 11.7	20.7
494511 2016 XN_{15}	15.9	X	276.75016	346.96984	24.97544	12.36559	0.1485666	0.19190935	2.9767244	20	6 29.0	20.2
494512 2016 XS_{22}	17.5	X	305.37505	146.66588	273.12278	5.72617	0.3173172	0.22685181	2.6626120	20	9 28.3	19.5
494513 2016 XY_{22}	17.6	X	288.77983	75.07841	96.85737	3.20604	0.1442175	0.26313629	2.4118422	20	—	—
494514 2016 YP_{8}	17.4	X	347.74744	207.86024	352.87522	17.87400	0.0542615	0.35028768	1.9930559	20	2 22.4	19.3
494515 2016 YQ_{9}	15.2	X	197.48190	279.83667	256.00839	13.52776	0.2081393	0.17823463	3.1270967	20	10 14.0	20.6
494516 2016 YM_{10}	16.9	X	289.56581	252.77322	293.81292	6.97926	0.1023055	0.27699344	2.3307180	20	—	—
494517 2016 YN_{10}	17.1	X	15.61646	127.32255	304.45655	24.12002	0.2365891	0.27348880	2.3505871	20	—	—
494518 2016 YA_{11}	17.8	X	30.26545	125.27125	74.29689	22.72444	0.0445694	0.38597647	1.8682235	20	5 9.2	19.5
494519 2016 YD_{11}	16.5	X	280.19101	232.20602	288.17494	23.21038	0.1667942	0.27685251	2.3315089	20	—	—
494520 2016 YN_{12}	16.9	X	352.77869	348.36770	42.21294	11.15123	0.2437667	0.24096853	2.5575796	20	12 30.6	19.6
494521 2016 YT_{12}	15.8	X	278.48635	59.28112	341.15214	15.23922	0.0664230	0.17241795	3.1970375	20	8 20.6	20.1
494522 2016 YU_{12}	16.1	X	55.70472	281.07306	63.74181	14.43394	0.1893951	0.24533755	2.5271248	20	—	—
494523 2016 YX_{12}	16.2	X	226.11509	54.26181	46.70762	17.04927	0.1029914	0.17444879	3.1721770	20	9 3.9	21.2
494524 2016 YE_{13}	16.8	X	326.65761	6.65872	74.47663	14.38696	0.1254682	0.24214766	2.5492702	20	—	—
494525 2017 AU	15.4	X	189.62513	186.20797	310.90620	25.95051	0.1086273	0.17168500	3.2061301	20	8 23.1	20.6
494526 2017 AO_{2}	15.7	X	191.61915	288.98503	229.40539	9.62097	0.0983173	0.17111315	3.2132693	20	9 25.1	20.8
494527 2017 AS_{5}	17.2	X	266.43174	222.85594	276.90987	5.98909	0.1058644	0.25462909	2.4652674	20	12 20.9	19.8
494528 2017 AA_{6}	16.1	X	245.24090	305.19379	105.84472	28.23438	0.3321528	0.17406726	3.1768106	20	6 23.6	21.5
494529 2017 AN_{6}	18.1	X	333.45528	199.80795	286.17339	8.44645	0.1601685	0.27732649	2.3288516	20	—	—
494530 2017 AF_{7}	16.3	X	331.23092	101.27145	333.65720	21.56398	0.0608611	0.22479829	2.6788026	20	12 31.8	20.0
494531 2017 AU_{11}	17.9	X	8.40925	267.78727	194.12049	6.71844	0.0570524	0.28474570	2.2882208	20	—	—
494532 2017 AB_{12}	17.7	X	325.09254	13.27009	120.47618	2.87814	0.1109967	0.27887997	2.3201950	20	—	—
494533 2017 AO_{12}	18.4	X	335.57693	8.39559	115.67183	2.91633	0.1313793	0.27996775	2.3141813	20	—	—
494534 2017 AT_{12}	17.6	X	326.98333	198.76033	321.56709	7.94420	0.1310901	0.28413122	2.2915187	20	—	—
494535 2017 AV_{12}	16.4	X	327.23745	115.40370	329.52708	21.41153	0.0486289	0.22418379	2.6836955	20	—	—
494536 2017 AW_{12}	15.9	X	264.06214	330.86602	120.07223	18.63146	0.1304098	0.18171082	3.0870869	20	10 1.6	20.5
494537 2017 AJ_{14}	16.5	X	275.95031	355.84558	100.81243	15.24364	0.0342505	0.21157103	2.7893215	20	11 11.1	20.5
494538 2017 AN_{14}	16.6	X	315.86477	344.46170	107.97455	14.72628	0.2086469	0.23315354	2.6144161	20	—	—
494539 2017 AA_{15}	17.4	X	289.79119	255.77874	278.30346	1.43382	0.1740121	0.27195222	2.3594330	20	—	—
494540 2017 AD_{15}	17.5	X	336.38701	282.77853	120.36907	6.83003	0.2738484	0.23797117	2.5790107	20	12 17.5	19.4
494541 2017 AE_{17}	17.1	X	354.33030	351.97185	113.98294	7.30429	0.0853607	0.28406428	2.2918787	20	—	—
494542 2017 AF_{17}	18.7	X	352.19704	23.98816	56.18959	2.36917	0.1612650	0.26659890	2.3909132	20	—	—
494543 2017 AX_{17}	17.3	X	343.50558	115.21177	283.50639	7.13215	0.1076279	0.22861650	2.6488925	20	12 2.4	20.3
494544 2017 AB_{18}	17.9	X	349.37049	341.02811	111.75754	5.74214	0.1769340	0.27259371	2.3557299	20	—	—
494545 2017 AL_{20}	17.5	X	305.05294	100.80234	14.87181	27.91288	0.4015885	0.23630714	2.5911039	20	—	—
494546 2017 BZ_{1}	16.3	X	239.62540	109.84088	346.20595	18.06010	0.2171148	0.18181830	3.0858702	20	8 25.2	21.1
494547 2017 BY_{3}	15.8	X	192.92693	20.79751	118.93594	11.84056	0.1341981	0.17069409	3.2185262	20	9 8.5	21.0
494548 2017 BZ_{3}	17.4	X	277.43194	224.32616	310.33324	5.55103	0.0785143	0.26570301	2.3962846	20	—	—
494549 2017 BN_{5}	17.4	X	135.96560	324.47652	92.79350	24.19606	0.1045031	0.35313131	1.9823419	20	4 3.6	20.5
494550 2017 BF_{6}	17.8	X	184.92740	254.03577	132.51059	22.78074	0.0907793	0.37363581	1.9091368	20	4 11.4	20.7
494551 2017 BO_{7}	16.5	X	293.94411	280.03578	167.53773	18.16745	0.1481913	0.21702993	2.7423505	20	11 12.8	19.9
494552 2017 BR_{7}	15.4	X	218.28977	326.18914	166.63115	28.67308	0.1735376	0.17972387	3.1097982	20	9 19.8	20.3
494553 2017 BY_{7}	17.2	X	289.98920	141.20009	327.85741	12.82995	0.2031845	0.22353767	2.6888644	20	11 22.9	20.3
494554 2017 BB_{8}	16.1	X	218.36076	35.49452	88.30429	8.14550	0.1737658	0.17264816	3.1941949	20	9 11.2	21.2
494555 2017 BF_{8}	17.3	X	305.15517	157.53399	21.01741	6.14458	0.0997139	0.28088854	2.3091210	20	—	—
494556 2017 BH_{8}	17.5	X	340.75341	92.16652	65.80994	5.38320	0.0773229	0.29527952	2.2334720	20	—	—
494557 2017 BO_{8}	16.5	X	283.40885	22.28546	97.82452	13.32983	0.0994621	0.21752373	2.7381986	20	12 11.4	19.8
494558 2017 BQ_{8}	15.4	X	138.15626	174.26457	49.32976	11.19270	0.0674818	0.17776594	3.1325908	20	10 24.8	20.1
494559 2017 BT_{8}	17.5	X	18.52792	349.88826	116.59438	7.09669	0.0716526	0.28960053	2.2625759	20	—	—
494560 2017 BW_{8}	16.1	X	284.67389	237.23539	255.59143	13.63704	0.1042439	0.22954222	2.6417659	20	12 31.2	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494561 2017 BD_9	16.2	X	226.63857	312.45116	177.78067	12.44609	0.2087613	0.18141310	3.0904635	20	9 20.5	21.0
494562 2017 BL_9	16.8	X	271.55145	223.98942	293.08634	12.32725	0.1960278	0.22712668	2.6604634	20	—	—
494563 2017 BA_{10}	16.9	X	297.50661	309.11687	129.46436	12.64439	0.2383464	0.22189788	2.7020950	20	10 29.9	19.7
494564 2017 BF_{11}	17.6	X	293.65612	137.81932	48.18226	2.42485	0.1290404	0.27330082	2.3516649	20	—	—
494565 2017 BD_{12}	16.1	X	205.99795	80.40906	54.02142	1.73303	0.1360602	0.17118579	3.2123602	20	9 11.9	21.1
494566 2017 BL_{12}	16.0	X	224.58882	239.98652	309.85116	24.07932	0.1219762	0.21368678	2.7708794	20	12 17.3	20.3
494567 2017 BX_{14}	16.8	X	59.95802	23.67981	303.59194	11.86966	0.1464314	0.22626806	2.6671895	20	12 20.7	20.8
494568 2017 BA_{18}	18.2	X	335.68731	217.19732	280.55438	2.08581	0.1691998	0.27892405	2.3199506	20	—	—
494569 2017 BN_{24}	17.6	X	350.51711	309.94635	104.36671	4.47663	0.2433322	0.23844699	2.5755787	20	—	—
494570 2017 BB_{28}	17.0	X	46.06597	69.19345	302.79549	7.57323	0.1787481	0.23911311	2.5707931	20	—	—
494571 2017 BL_{28}	17.4	X	245.27660	308.32386	302.52835	4.95982	0.1774533	0.27376668	2.3489962	20	—	—
494572 2017 BZ_{28}	15.4	X	236.25417	324.91083	146.23304	33.88638	0.0752480	0.17062378	3.2194104	20	9 25.4	20.4
494573 2017 BN_{33}	18.1	X	322.23645	106.01571	307.59227	11.69302	0.2481220	0.22939028	2.6429323	20	11 14.1	20.4
494574 2017 BD_{35}	17.6	X	280.04712	285.37234	272.13812	3.85641	0.1812707	0.26718527	2.3874138	20	—	—
494575 2017 BX_{35}	16.4	X	300.93852	328.91458	108.08555	3.21074	0.0389068	0.20394577	2.8584213	20	11 12.8	20.1
494576 2017 BY_{37}	18.2	X	324.95013	68.75165	57.51198	3.00515	0.1585688	0.26517242	2.3994800	20	—	—
494577 2017 BD_{38}	15.9	X	254.77232	155.74586	321.91520	18.38615	0.2291881	0.20349120	2.8626766	20	9 25.6	20.3
494578 2017 BX_{41}	17.9	X	337.94243	193.03690	293.72499	4.29898	0.1314639	0.27810928	2.3244796	20	—	—
494579 2017 BB_{47}	16.9	X	270.11568	139.90158	343.51926	4.11994	0.0311021	0.21881167	2.7274432	20	12 2.9	20.5
494580 2017 BQ_{54}	18.4	X	156.44363	263.14762	45.33955	4.50404	0.0489706	0.27222736	2.3578429	20	—	—
494581 2017 BC_{58}	17.8	X	348.79335	54.41818	108.64476	6.07166	0.0871405	0.30175793	2.2013896	20	—	—
494582 2017 BM_{59}	17.1	X	188.04702	347.70652	295.68445	7.41550	0.1147762	0.26214546	2.4179157	20	—	—
494583 2017 BE_{64}	18.0	X	358.64929	106.34647	1.00900	5.21080	0.1308952	0.28270880	2.2991987	20	—	—
494584 2017 BH_{65}	16.0	X	253.45705	66.81009	18.93435	9.32147	0.0869728	0.17909859	3.1170321	20	9 13.1	20.4
494585 2017 BF_{68}	17.3	X	50.80757	137.78922	264.01482	5.95701	0.1026345	0.27106950	2.3645524	20	—	—
494586 2017 BW_{73}	18.7	X	0.95286	162.40914	285.46322	4.47649	0.1865673	0.27676051	2.3320256	20	—	—
494587 2017 BK_{85}	16.6	X	160.45516	331.11198	275.85560	12.74313	0.0497929	0.21692193	2.7432606	20	12 21.3	20.5
494588 2017 BU_{87}	16.9	X	280.27324	113.76588	342.03775	8.72778	0.1678193	0.21890096	2.7267015	20	10 21.4	20.2
494589 2017 BH_{88}	17.7	X	314.97784	131.94935	354.54381	5.81619	0.1016244	0.26198469	2.4189048	20	—	—
494590 2017 BU_{89}	18.1	X	182.68892	286.44795	345.26969	6.45342	0.0749667	0.26392245	2.4070503	20	—	—
494591 2017 BD_{94}	17.1	X	325.97810	59.82166	13.36867	14.91829	0.1440665	0.23851142	2.5751148	20	12 26.4	20.1
494592 2017 BQ_{101}	15.6	X	311.31655	258.54969	144.55779	17.56441	0.1288357	0.16886257	3.2417570	20	10 4.9	19.8
494593 2017 BL_{102}	17.5	X	354.37791	256.19783	250.92898	6.31200	0.0411271	0.27853290	2.3221221	20	—	—
494594 2017 BP_{102}	16.2	X	290.33233	26.77436	63.27651	15.98842	0.1099962	0.20401749	2.8577514	20	11 9.5	19.7
494595 2017 BR_{102}	16.5	X	22.65212	359.39112	21.19306	6.74710	0.2597138	0.24481678	2.5307073	20	—	—
494596 2017 BK_{107}	17.3	X	254.39110	204.53888	8.17449	12.66395	0.1000118	0.27661826	2.3328250	20	—	—
494597 2017 BY_{109}	16.5	X	347.27525	183.13377	192.00515	9.12001	0.0597248	0.18854055	3.0120779	20	10 26.5	20.4
494598 2017 BA_{110}	15.6	X	179.78710	270.96057	289.10220	14.09286	0.1372304	0.18632763	3.0358796	20	10 31.3	20.7
494599 2017 BJ_{111}	16.3	X	273.46990	242.52128	247.72976	12.24490	0.1362075	0.21566600	2.7539006	20	12 3.2	19.6
494600 2017 BS_{111}	17.3	X	250.14835	350.08558	86.03763	4.80106	0.2822376	0.18712819	3.0272148	20	8 1.7	22.0
494601 2017 BU_{111}	17.6	X	354.50162	74.17632	335.78270	2.06101	0.1410038	0.24663913	2.5182261	20	—	—
494602 2017 BQ_{112}	16.8	X	253.12006	129.90216	19.42400	9.12004	0.1183143	0.21451534	2.7637398	20	11 28.8	20.5
494603 2017 BB_{114}	16.6	X	249.44304	119.29079	58.74133	15.80613	0.0446628	0.24314917	2.5422652	20	—	—
494604 2017 BL_{116}	17.4	X	314.62661	71.63996	59.44602	8.89362	0.0987119	0.25474442	2.4645233	20	—	—
494605 2017 BG_{121}	15.8	X	97.91129	76.80308	191.83077	13.14660	0.1149281	0.17434987	3.1733768	20	11 8.1	20.7
494606 2017 BN_{122}	15.8	X	17.50684	263.04269	142.20836	22.19574	0.0261883	0.23129720	2.6283859	20	—	—
494607 2017 BJ_{124}	17.2	X	229.99430	148.37371	47.51440	7.72024	0.1098362	0.22674909	2.6634161	20	—	—
494608 2017 BS_{124}	16.6	X	222.85483	125.02556	351.48623	16.45607	0.2215871	0.18129581	3.0917963	20	9 1.9	21.6
494609 2017 BU_{124}	16.6	X	295.18352	24.67501	95.20452	12.86880	0.0333003	0.22614339	2.6681697	20	—	—
494610 2017 BV_{124}	16.2	X	220.70271	66.02693	75.61545	10.86001	0.1197309	0.18154921	3.0889187	20	10 12.7	21.0
494611 2017 BJ_{125}	17.6	X	315.40208	72.13505	357.17683	12.27916	0.2551897	0.22761875	2.6566276	20	11 18.7	19.8
494612 2017 BR_{129}	16.9	X	250.24776	120.03722	9.47750	7.41085	0.2487809	0.20499698	2.8486412	20	10 11.4	20.9
494613 2017 BL_{132}	17.3	X	10.45812	282.36067	99.02101	5.72850	0.0794139	0.21330926	2.7741477	20	12 13.4	20.8
494614 2017 BC_{133}	17.7	X	38.41228	10.50165	13.22314	6.10064	0.1584302	0.24687286	2.5166364	20	—	—
494615 2017 BD_{133}	16.0	X	58.47163	177.73033	128.07903	19.30759	0.0673846	0.18153830	3.0890424	20	11 9.9	20.7
494616 2017 BF_{133}	16.7	X	163.18024	192.03182	33.02124	4.50493	0.1588552	0.18920744	3.0049961	20	11 18.2	21.5
494617 2017 BC_{135}	17.9	X	7.68426	351.66318	94.94830	7.24026	0.0813243	0.26417099	2.4055403	20	—	—
494618 2017 CN	18.3	X	147.08922	281.59865	153.20835	24.84246	0.1081517	0.37151107	1.9164090	20	5 5.6	21.3
494619 2017 CW_2	16.9	X	230.32612	301.60064	296.39915	6.36380	0.0717850	0.26833840	2.3805693	20	—	—
494620 2017 CY_2	18.1	X	22.02334	224.44163	255.57843	1.91086	0.0987938	0.30515638	2.1850149	20	—	—
494621 2017 CF_3	16.4	X	231.67133	345.39457	147.06148	9.65640	0.1464712	0.18519706	3.0482225	20	10 8.5	21.0
494622 2017 CS_3	16.9	X	283.66851	38.80832	78.30244	14.31738	0.2147864	0.22788123	2.6545873	20	11 27.1	19.4
494623 2017 CR_4	17.2	X	308.61765	60.72722	61.42278	7.38690	0.0834342	0.25296270	2.4760822	20	—	—
494624 2017 CN_7	16.6	X	58.84713	336.45374	357.59666	9.53216	0.1119896	0.21372657	2.7705354	20	12 19.9	20.7
494625 2017 CL_{10}	16.7	X	190.16848	74.23977	102.61158	3.83033	0.0496891	0.18597198	3.0397488	20	10 25.8	21.2
494626 2017 CZ_{10}	16.6	X	268.70090	102.41800	337.12039	20.73209	0.3024721	0.17911998	3.1167839	20	8 23.2	21.0
494627 2017 CC_{12}	17.6	X	343.34457	282.58815	147.36472	13.99695	0.1649289	0.23892407	2.5721490	20	—	—
494628 2017 CU_{12}	16.2	X	209.88283	206.16394	337.00085	10.67540	0.0623243	0.17476691	3.1683263	20	11 15.9	21.1
494629 2017 CP_{13}	17.8	X	18.09588	117.38535	303.89072	5.74212	0.1256036	0.26323055	2.4112664	20	—	—
494630 2017 CW_{21}	19.0	X	348.99962	149.66273	358.59059	1.99657	0.1436709	0.29554252	2.2321467	20	—	—
494631 2017 CN_{27}	17.6	X	25.79392	39.52459	347.13584	5.62367	0.2080021	0.24624872	2.5208871	20	—	—
494632 2017 CB_{28}	17.9	X	236.77250	227.60741	26.33576	3.05971	0.1021445	0.28198278	2.3031434	20	—	—
494633 2017 CP_{29}	17.7	X	253.61217	334.17614	184.79860	6.72707	0.1659742	0.21890160	2.7266962	20	12 8.4	21.2
494634 2017 CF_{30}	16.8	X	81.06863	206.51045	121.03240	5.78338	0.0331314	0.22234469	2.6984738	20	12 30.5	20.5
494635 2017 CO_{30}	16.7	X	243.43943	151.45678	328.09435	17.26536	0.1737576	0.17226988	3.1988691	20	9 20.7	21.6
494636 2017 DN_7	15.2	X	259.02395	347.22163	78.26060	12.37223	0.0986938	0.15298968	3.4622729	20	8 22.9	20.3
494637 2017 DD_9	15.2	X	38.02090	273.23247	82.69143	11.21370	0.0441699	0.18566715	3.0430751	20	12 6.3	19.5
494638 2017 DH_{12}	17.2	X	26.23594	349.17149	65.52326	6.89741	0.1517803	0.25839663	2.4412457	20	—	—
494639 2017 DM_{31}	16.1	X	345.61901	227.53808	140.49098	12.58966	0.0835730	0.17642250	3.1484737	20	10 16.9	20.3
494640 2017 DU_{31}	17.8	X	20.03655	92.64680	345.93572	5.92270	0.1589199	0.27293695	2.3537545	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494641 2017 DQ_{45}	18.2	X	336.58039	277.24364	325.74025	17.68647	0.0534234	0.35472585	1.9763969	20	3 24.5	20.4
494642 2017 DG_{48}	15.5	X	194.43785	186.17830	347.02302	27.58818	0.1301324	0.17577376	3.1562157	20	10 5.3	20.8
494643 2017 DU_{70}	16.2	X	262.06468	158.35466	327.71367	8.19741	0.0946960	0.19343848	2.9610163	20	11 8.7	20.3
494644 2017 DE_{73}	17.6	X	287.28104	140.25218	351.89732	1.60312	0.1504784	0.22610634	2.6684612	20	12 30.9	20.3
494645 2017 DE_{76}	16.5	X	290.15288	349.85738	165.40488	12.70245	0.1045820	0.22726457	2.6593871	20	—	—
494646 2017 DS_{77}	16.9	X	254.61312	350.40547	229.78632	4.83049	0.1071611	0.26173036	2.4204715	20	—	—
494647 2017 DX_{78}	17.3	X	251.41144	289.96650	309.24805	5.87639	0.0657055	0.28066969	2.3103212	20	—	—
494648 2017 DH_{79}	16.5	X	328.64093	261.44326	167.70077	12.36441	0.1027551	0.21335748	2.7737297	20	12 15.2	20.0
494649 2017 DJ_{79}	17.7	X	311.85967	266.43740	291.80510	4.79839	0.0783395	0.29176753	2.2513590	20	—	—
494650 2017 DZ_{83}	17.8	X	322.06218	4.36145	152.47290	5.53712	0.1475045	0.26653453	2.3912982	20	—	—
494651 2017 DF_{85}	17.0	X	309.72023	125.22816	37.81937	6.25104	0.0854614	0.25742126	2.4474084	20	—	—
494652 2017 DM_{94}	16.2	X	262.79788	151.56526	301.80630	7.92712	0.1073977	0.16905324	3.2393189	20	9 22.9	20.9
494653 2017 DH_{107}	17.4	X	270.03744	145.51352	90.16278	7.02685	0.1951386	0.27872258	2.3210685	20	—	—
494654 1995 ST_{28}	18.3	X	209.94450	183.04250	159.62749	0.80082	0.2204408	0.26251183	2.4156655	20	3 8.3	22.4
494655 1998 WX_{38}	13.5	X	253.53560	224.17489	231.39840	30.89786	0.0801074	0.08247076	5.2272033	20	9 1.8	20.9
494656 2000 CD_{127}	16.6	X	333.08138	332.87224	133.24708	10.26378	0.0674168	0.18686526	3.0300537	20	—	—
494657 2000 TP_{40}	16.8	X	128.46286	331.67567	44.98577	10.41517	0.2951614	0.21986410	2.7187327	20	2 25.8	21.4
494658 2000 UG_{11}	20.4	X	93.99678	240.57348	224.16643	8.92240	0.5728686	0.36804293	1.9284293	20	6 3.8	23.6
494659 2000 YQ_{13}	18.0	X	111.45364	300.77148	284.35906	18.87911	0.0636491	0.38650440	1.8665219	20	10 20.2	20.6
494660 2001 RP_{47}	17.8	X	356.32799	80.82325	9.84306	21.83250	0.1233808	0.37985077	1.8882553	20	—	—
494661 2001 RO_{75}	17.2	X	126.79426	0.16590	28.27790	8.86249	0.3919572	0.23045631	2.6347757	20	3 14.9	21.8
494662 2001 RT_{100}	17.2	X	172.94538	327.18188	22.53349	3.93846	0.2748022	0.23649054	2.5897641	20	2 22.2	21.7
494663 2001 SG_{117}	17.9	X	266.67276	111.59548	206.22166	6.88231	0.1884200	0.29938492	2.2130069	20	3 26.6	21.0
494664 2001 TZ_{18}	16.6	X	0.71312	358.19817	22.21880	13.66150	0.2969560	0.21285915	2.7780571	20	12 29.4	19.9
494665 2001 TQ_{84}	17.4	X	202.00904	146.30529	196.55091	3.09314	0.2908564	0.23833321	2.5763983	20	3 3.1	22.0
494666 2001 UT_{31}	17.1	X	209.08032	259.83005	60.68681	4.78565	0.2509236	0.23637131	2.5906349	20	2 14.0	21.7
494667 2001 WX_{1}	15.8	X	182.91367	46.19497	304.14955	23.23062	0.5701392	0.13277410	3.8053430	20	2 27.7	23.5
494668 2002 AH_{19}	17.5	X	76.87900	206.37563	268.90516	20.05618	0.0756664	0.39013702	1.8549175	20	2 19.0	19.6
494669 2002 CG_{226}	16.7	X	44.17553	289.49718	142.86128	17.89367	0.3045467	0.21674292	2.7447709	20	—	—
494670 2002 MQ_{1}	18.2	X	198.59013	113.55813	202.55797	19.60485	0.3388119	0.30648616	2.1786901	20	1 22.0	22.6
494671 2002 QK_{81}	18.2	X	208.45867	226.21458	98.44300	4.39745	0.1805888	0.25268943	2.4778670	20	2 16.8	22.2
494672 2002 RE_{267}	17.2	X	60.13200	285.97775	77.57212	0.16050	0.1350096	0.17678620	3.1441540	20	—	—
494673 2002 SM_{61}	16.8	X	92.47895	135.32283	223.49878	2.84553	0.1958487	0.18264883	3.0765086	20	—	—
494674 2002 TC_{311}	16.9	X	60.36352	302.14419	75.87528	9.63061	0.0812061	0.17663532	3.1459442	20	—	—
494675 2002 VX_{14}	15.9	X	96.90395	8.91444	351.45026	6.11734	0.3362252	0.12422813	3.9779204	20	1 20.9	21.8
494676 2002 VD_{111}	16.4	X	269.58906	154.54253	256.91631	12.82439	0.1841593	0.21083886	2.7957754	20	8 1.5	20.4
494677 2003 SJ_{111}	18.4	X	76.98579	110.94474	189.13939	6.74557	0.2513149	0.30148328	2.2027264	20	12 26.2	22.1
494678 2003 SQ_{116}	17.3	X	130.36621	76.26534	253.21288	2.65197	0.1321505	0.19524870	2.9426861	20	—	—
494679 2003 SZ_{197}	18.0	X	238.14612	256.58155	67.86711	3.07028	0.2307268	0.27125222	2.3634904	20	3 9.5	21.9
494680 2003 SC_{393}	18.3	X	255.70095	155.45078	170.67459	12.02783	0.2822309	0.27422513	2.3463775	20	3 21.7	22.3
494681 2003 SE_{427}	16.7	X	334.03974	289.82983	177.79052	10.55633	0.0839750	0.19008116	2.9957806	20	—	—
494682 2003 TJ_{54}	16.3	X	77.97026	319.28519	46.63012	10.72071	0.1002948	0.18886734	3.0086025	20	—	—
494683 2003 WJ_{15}	17.5	X	149.98161	36.12789	50.04925	7.55858	0.0765726	0.26860602	2.3789878	20	5 17.5	20.8
494684 2003 WO_{163}	16.6	X	130.07157	287.37207	53.39950	8.06358	0.2181994	0.19046474	2.9917571	20	1 7.4	21.3
494685 2004 BK_{77}	17.1	X	286.19890	258.89238	307.67784	12.30759	0.1729156	0.23953878	2.5677466	20	—	—
494686 2004 CD_{50}	18.2	X	161.23952	13.12648	142.93561	24.28883	0.0410931	0.39171354	1.8499372	20	9 30.1	20.5
494687 2004 ED_{25}	17.0	X	284.96115	69.86677	131.54737	13.53496	0.2280991	0.23285283	2.6166665	20	—	—
494688 2004 FN_{53}	17.5	X	248.85082	253.89958	357.54683	2.93766	0.1756496	0.23454774	2.6040454	20	—	—
494689 2004 JR	18.8	X	33.32992	139.55343	209.53077	45.45515	0.6458682	0.37911226	1.8907067	20	—	—
494690 2004 JQ_{1}	20.0	X	38.86578	272.61601	77.07505	32.83030	0.4500348	0.75569718	1.1937247	20	—	—
494691 2004 MB_{2}	17.2	X	318.84867	44.17941	117.95734	13.77627	0.1911449	0.22844279	2.6502351	20	—	—
494692 2004 PL_{26}	17.2	X	181.24854	144.17917	170.38298	14.08986	0.2703849	0.21818476	2.7326653	20	1 17.2	22.3
494693 2004 PT_{63}	17.9	X	302.29989	38.42825	320.78895	3.25393	0.1763847	0.30570573	2.1823965	20	7 26.2	19.5
494694 2004 RS_{96}	17.1	X	210.73653	109.96381	204.26709	12.65227	0.3059830	0.22140471	2.7061061	20	2 3.5	22.3
494695 2004 RR_{328}	17.8	X	313.28676	1.30262	341.26484	5.87949	0.2128033	0.30240567	2.1982450	20	7 16.6	19.3
494696 2004 RN_{335}	19.5	X	298.15758	242.68647	70.43483	8.83845	0.4158802	0.30004014	2.2097839	20	3 31.2	22.8
494697 2004 SW_{55}	20.7	X	36.49933	352.80691	75.15778	8.78862	0.3337709	0.57822758	1.4269328	20	—	—
494698 2004 TL_{13}	16.0	X	159.81842	92.57904	240.77551	27.21990	0.3993414	0.21114369	2.7930839	20	1 22.7	21.7
494699 2004 TS_{92}	16.6	X	109.87617	156.93948	209.54525	14.88173	0.1507566	0.20596857	2.8396757	20	1 2.3	20.8
494700 2004 TR_{100}	17.2	X	184.31684	263.83810	76.88854	9.08051	0.3335722	0.21934391	2.7230294	20	2 24.5	22.4
494701 2004 TF_{242}	17.8	X	279.51354	145.97527	242.77251	19.35495	0.0898055	0.36400105	1.9426786	20	8 11.2	20.1
494702 2004 VK_{59}	17.3	X	24.84046	36.47207	45.49984	13.84385	0.1534341	0.26133135	2.4229347	20	—	—
494703 2004 XN_{62}	17.0	X	229.08350	262.83557	101.76170	22.75113	0.3451753	0.28635046	2.2796637	20	4 24.5	21.6
494704 2004 YK_{36}	15.8	X	222.38516	225.76227	311.82111	26.76394	0.1875871	0.17515331	3.1636649	20	11 2.5	21.3
494705 2005 ED_{76}	18.0	X	337.63892	181.04801	349.35982	2.11872	0.1374589	0.25445082	2.4664187	20	—	—
494706 2005 GL_{9}	16.6	X	326.23443	162.17438	225.63712	20.02268	0.8959367	0.31438475	2.1420441	20	5 14.9	19.0
494707 2005 GD_{219}	17.3	X	291.42083	107.58748	41.76719	25.83182	0.2284017	0.24277023	2.5449100	20	—	—
494708 2005 JY_{74}	17.6	X	72.09642	160.52645	92.03220	11.25147	0.2218623	0.27754835	2.3276104	20	10 23.3	21.2
494709 2005 LP_{19}	17.7	X	205.34417	171.89724	163.63625	5.98967	0.2561347	0.24462042	2.5320614	20	2 26.0	22.2
494710 2005 MO_{13}	20.8	X	86.38792	250.18248	176.60947	6.31617	0.4107224	1.22846022	0.8634330	20	—	—
494711 2005 NL_{85}	17.6	X	263.46155	157.57689	125.70554	3.43552	0.1292330	0.24559327	2.5253703	20	2 20.4	21.4
494712 2005 NG_{122}	17.5	X	200.92204	78.21596	249.31898	5.52075	0.2546680	0.23801790	2.5786732	20	2 12.1	22.1
494713 2005 OU_{2}	19.1	X	215.07225	310.16730	127.35522	47.78155	0.3733731	0.71822671	1.2348902	20	7 19.9	20.1
494714 2005 QS_{40}	17.1	X	175.45153	173.37061	173.30954	14.36305	0.2718079	0.23411313	2.6072672	20	2 17.4	21.8
494715 2005 QB_{82}	18.2	X	167.25564	232.97968	136.76576	6.17014	0.2194678	0.30201037	2.2001628	20	3 5.1	21.5
494716 2005 SQ_{89}	17.4	X	160.53984	147.39954	208.23546	2.83814	0.0869318	0.22751265	2.6574535	20	2 5.3	21.3
494717 2005 SE_{121}	16.9	X	171.29206	0.50942	326.97580	3.31272	0.1820431	0.22766091	2.6562997	20	1 21.2	21.3
494718 2005 SF_{151}	17.1	X	264.64907	24.30276	31.87008	5.05225	0.2828982	0.18630387	3.0361377	20	7 22.9	21.6
494719 2005 SD_{171}	17.3	X	140.46866	140.95420	213.30450	6.02819	0.1151680	0.22545130	2.6736275	20	1 15.6	21.2
494720 2005 SM_{171}	17.0	X	161.26378	318.97501	351.03231	6.24451	0.0273636	0.22070998	2.7117817	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494721 2005 SO_{191}	17.0	X	65.63487	328.81816	91.82224	3.57557	0.0804646	0.21986522	2.7187234	20	—	—
494722 2005 SD_{233}	16.9	X	177.59145	132.70401	207.75457	18.07436	0.2803143	0.22976460	2.6400611	20	2 9.1	22.0
494723 2005 SA_{245}	17.2	X	220.70188	90.70021	196.87504	14.23191	0.1228300	0.22876426	2.6477518	20	1 13.6	21.6
494724 2005 SX_{256}	17.1	X	161.69138	324.54884	13.18266	12.17735	0.1837272	0.22839842	2.6505784	20	1 28.5	21.5
494725 2005 SR_{289}	18.2	X	297.94403	238.83405	19.87939	6.86214	0.0477422	0.30265175	2.1970533	20	3 7.9	20.7
494726 2005 TF_{3}	17.1	X	192.29681	177.89175	183.24161	7.07502	0.3976740	0.23633972	2.5908657	20	3 19.0	22.3
494727 2005 TL_{183}	16.5	X	124.41379	262.17742	100.19313	12.02596	0.1880637	0.22233414	2.6985592	20	1 19.1	20.4
494728 2005 UA_{5}	17.3	X	44.56477	34.54479	359.93985	6.88739	0.0986005	0.21062587	2.7976598	20	—	—
494729 2005 UG_{38}	16.6	X	50.30054	0.98101	53.35084	14.24763	0.1563696	0.21270158	2.7794289	20	—	—
494730 2005 UT_{50}	16.6	X	157.46918	133.06013	235.97990	8.70718	0.2225024	0.22874645	2.6478892	20	2 25.6	21.2
494731 2005 UR_{74}	17.0	X	183.59857	114.43731	237.07991	5.13316	0.3477455	0.23207740	2.6224919	20	2 29.9	22.1
494732 2005 UV_{107}	16.6	X	315.39185	303.07996	61.63265	9.70897	0.1069296	0.18750492	3.0231586	20	8 26.9	20.5
494733 2005 UF_{115}	18.2	X	73.10105	234.31610	246.23831	2.09135	0.0696943	0.29834029	2.2181697	20	3 17.6	20.5
494734 2005 UC_{133}	17.2	X	195.33195	104.13981	216.68018	3.17884	0.2250221	0.23070221	2.6329032	20	2 1.7	21.7
494735 2005 UA_{242}	17.8	X	73.59526	352.81963	36.13046	8.79963	0.2954822	0.21441643	2.7645896	20	1 1.1	20.7
494736 2005 UC_{337}	17.6	X	17.06867	56.99522	31.98217	2.55129	0.0151430	0.21551094	2.7552214	20	—	—
494737 2005 UP_{395}	17.8	X	184.43658	185.69017	123.47953	0.77327	0.0280391	0.22257267	2.6966308	20	1 3.2	21.4
494738 2005 UC_{431}	17.4	X	118.42734	97.50659	252.68698	4.75365	0.0598305	0.21490407	2.7604060	20	—	—
494739 2005 UA_{454}	17.4	X	122.47608	248.28188	103.88414	5.58617	0.1174710	0.21634060	2.7481727	20	—	—
494740 2005 UA_{511}	17.3	X	14.65669	248.56274	223.84760	3.32164	0.0632151	0.21604593	2.7506711	20	—	—
494741 2005 UP_{520}	17.4	X	199.63728	142.05834	160.21058	5.70449	0.1672032	0.22820930	2.6520426	20	1 14.1	21.7
494742 2005 VM	18.0	X	281.14333	351.12475	42.42836	27.07542	0.0784929	0.38842272	1.8603713	20	10 2.8	20.0
494743 2005 VF_{17}	16.5	X	149.67721	111.88374	243.08811	5.34237	0.0670197	0.22470689	2.6795290	20	1 21.4	20.4
494744 2005 VG_{60}	18.1	X	354.05114	104.78813	117.30532	6.72951	0.1006381	0.30297979	2.1954671	20	4 7.2	20.1
494745 2005 VE_{84}	17.7	X	152.40862	336.51578	10.01957	2.61486	0.1146786	0.22273403	2.6953283	20	1 21.4	21.8
494746 2005 WQ_{56}	17.8	X	142.78997	227.88420	245.30606	18.25485	0.1079670	0.37459721	1.9058689	20	6 18.7	20.1
494747 2005 WG_{65}	17.7	X	51.93960	243.83787	243.99852	7.40566	0.0955543	0.29473290	2.2362326	20	2 21.9	19.9
494748 2005 WU_{119}	16.9	X	172.51600	297.22305	64.89601	12.63065	0.3181102	0.22964654	2.6409658	20	3 14.3	22.0
494749 2005 WL_{172}	16.7	X	287.89565	109.41377	75.29150	9.14822	0.0327102	0.21220580	2.7837564	20	—	—
494750 2005 WZ_{180}	16.3	X	242.86586	326.84383	97.67755	19.04658	0.2007654	0.18097496	3.0954495	20	7 19.1	21.2
494751 2005 WG_{186}	16.6	X	285.39626	348.34183	117.99407	8.32379	0.1637252	0.18962286	3.0006057	20	11 12.9	20.3
494752 2005 WJ_{197}	17.3	X	170.32614	279.64705	49.32282	12.28475	0.1029638	0.22400656	2.6851109	20	1 19.1	21.5
494753 2005 YJ_{9}	17.3	X	191.56691	65.62556	261.87981	4.49207	0.3032454	0.22753018	2.6573171	20	2 7.8	22.3
494754 2005 YU_{141}	16.4	X	247.29379	69.89033	97.92800	11.07031	0.1748487	0.19192121	2.9766017	20	12 3.9	20.6
494755 2005 YR_{143}	17.0	X	229.49049	243.32348	312.43871	7.65245	0.3392314	0.18783156	3.0196528	20	11 25.1	22.1
494756 2005 YE_{291}	18.3	X	113.79093	349.36075	63.23472	1.29624	0.0138708	0.28373568	2.2936479	20	2 5.1	20.9
494757 2006 BZ_{92}	17.4	X	272.73569	12.06535	150.49517	10.16540	0.0784306	0.19171544	2.9787313	20	—	—
494758 2006 BO_{108}	18.3	X	17.16886	192.26567	329.38655	5.53960	0.0977190	0.28273930	2.2990333	20	2 16.0	20.4
494759 2006 BH_{279}	18.4	X	306.30848	73.80885	142.29542	3.01111	0.1550606	0.27733704	2.3287925	20	1 5.6	21.4
494760 2006 DX_{12}	16.4	X	221.01581	184.13902	300.58866	13.68944	0.2013920	0.17924724	3.1153085	20	9 3.3	21.6
494761 2006 DE_{23}	18.4	X	305.88301	105.75550	121.25495	3.05126	0.1584701	0.27540871	2.3396502	20	1 19.4	21.5
494762 2006 DX_{108}	16.4	X	255.91232	192.50944	343.69591	9.30387	0.0403641	0.18772789	3.0207644	20	—	—
494763 2006 DD_{133}	19.0	X	2.85972	57.14163	104.31321	2.98013	0.1407562	0.27702293	2.3305526	20	1 17.5	21.1
494764 2006 FU_{17}	18.2	X	280.16169	102.08996	160.97714	2.39549	0.1885145	0.27116758	2.3639822	20	2 2.3	21.5
494765 2006 GU_{34}	16.2	X	248.82318	117.65085	53.25330	12.97531	0.2336903	0.18435841	3.0574598	20	11 27.4	20.4
494766 2006 HH_{12}	16.5	X	152.39710	226.44901	66.12635	11.55740	0.1037644	0.18183922	3.0856335	20	—	—
494767 2006 HQ_{26}	16.3	X	132.86697	217.17354	98.35657	11.48075	0.0981738	0.17993551	3.1073592	20	—	—
494768 2006 HE_{73}	18.5	X	272.55429	74.21585	196.30760	7.16628	0.1525717	0.26936439	2.3745205	20	2 6.1	22.0
494769 2006 HQ_{85}	17.4	X	289.95793	65.13136	200.75096	21.88563	0.1725016	0.27513207	2.3412183	20	2 13.0	21.1
494770 2006 HM_{102}	17.9	X	256.63365	43.67605	197.64207	5.00137	0.1896293	0.26153253	2.4216920	20	—	—
494771 2006 JG_{3}	17.0	X	155.86338	275.25369	44.84636	2.78034	0.2870239	0.18298744	3.0727120	20	1 11.7	22.4
494772 2006 JD_{15}	17.9	X	255.13698	268.74424	41.48798	6.31579	0.2285277	0.27361484	2.3498652	20	3 7.8	21.7
494773 2006 JE_{27}	17.8	X	278.48683	206.49485	48.50195	12.82149	0.2292489	0.26880718	2.3778008	20	1 20.9	21.7
494774 2006 JF_{33}	16.9	X	234.60023	26.80740	168.62426	10.89718	0.0798650	0.17954501	3.1118632	20	12 30.4	21.5
494775 2006 KL_{26}	16.0	X	187.06307	127.81526	111.51975	16.68250	0.1548874	0.17885120	3.1199057	20	12 25.0	21.1
494776 2006 KS_{32}	18.2	X	3.43093	81.30809	79.70727	3.76926	0.1492470	0.27001316	2.3707155	20	1 19.1	20.4
494777 2006 KN_{44}	16.7	X	246.19911	73.69861	106.48269	15.43667	0.1390111	0.18214068	3.0822279	20	12 19.8	21.0
494778 2006 KX_{70}	15.8	X	72.67324	293.44517	71.80629	17.12547	0.2265378	0.17582151	3.1556444	20	—	—
494779 2006 KC_{94}	16.5	X	240.88671	119.91723	74.88453	16.80470	0.1156192	0.18021739	3.1041182	20	—	—
494780 2006 QN_{72}	17.2	X	59.39983	233.48077	136.34563	4.37949	0.1847475	0.23081172	2.6320703	20	—	—
494781 2006 SR_{86}	17.2	X	355.49041	7.52974	13.55408	5.14012	0.1645256	0.21607683	2.7504088	20	11 30.4	20.2
494782 2006 SX_{117}	19.3	X	22.36373	350.38995	7.79670	0.66955	0.2201587	0.29063959	2.2571800	20	—	—
494783 2006 SL_{366}	17.7	X	52.85441	347.82373	25.65056	7.93168	0.1480727	0.29538284	2.2329511	20	—	—
494784 2006 TN_{37}	16.9	X	36.16540	321.97705	33.41664	6.95145	0.0642769	0.21632878	2.7482728	20	12 12.4	20.6
494785 2006 TJ_{44}	17.8	X	67.95693	357.51727	47.64211	2.20494	0.1990191	0.23137864	2.6277692	20	—	—
494786 2006 TL_{67}	17.3	X	140.50261	118.76419	246.05280	12.73666	0.1474248	0.24272541	2.5452233	20	1 26.9	21.2
494787 2006 TF_{83}	16.7	X	332.04386	78.02456	24.40414	22.19660	0.0427636	0.22413798	2.6840612	20	—	—
494788 2006 TD_{126}	17.8	X	333.87820	70.93754	43.19850	12.55678	0.2237153	0.22299722	2.6932071	20	—	—
494789 2006 UB_{61}	17.4	X	129.33373	133.78981	238.95307	9.15970	0.1547003	0.23879838	2.5730514	20	1 27.3	21.2
494790 2006 UR_{169}	16.3	X	347.47779	318.70363	39.37119	25.90033	0.1329791	0.20951842	2.8075095	20	10 18.5	19.6
494791 2006 UW_{217}	17.8	X	111.35936	168.72400	214.23790	13.33736	0.2883643	0.23873118	2.5735342	20	2 4.9	21.7
494792 2006 UY_{282}	17.0	X	55.21270	295.01848	20.24791	4.04374	0.0919674	0.21379518	2.7699426	20	11 19.3	20.8
494793 2006 UU_{336}	17.1	X	333.28874	264.99053	234.42138	11.74140	0.2164327	0.22493727	2.6776991	20	—	—
494794 2006 VU_{13}	17.7	X	313.76819	174.73657	241.34151	18.03644	0.1009170	0.35490801	1.9757205	20	12 17.4	19.2
494795 2006 WM_{175}	17.7	X	157.05870	309.68386	94.72205	3.41996	0.1064778	0.24644359	2.5195580	20	4 5.3	21.4
494796 2006 WV_{181}	17.2	X	189.35657	67.96378	243.99860	10.87290	0.0557661	0.23494023	2.6011444	20	1 9.8	21.1
494797 2006 XY_{9}	16.8	X	335.82850	14.96062	82.70673	5.45653	0.0675187	0.21582319	2.7525633	20	—	—
494798 2006 XL_{59}	16.6	X	194.07572	258.95111	87.84579	13.09455	0.2309683	0.24076341	2.5590320	20	3 8.4	21.2
494799 2006 YV_{18}	16.6	X	45.86850	149.82457	315.94388	12.65557	0.2078981	0.22750148	2.6575406	20	2 5.5	18.9
494800 2006 YV_{42}	17.9	X	19.74664	182.37371	296.32941	17.17225	0.0868488	0.37244930	1.9131893	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494801 2007 AA_{17}	16.8	X	276.25761	227.85635	300.47168	7.51449	0.2214520	0.21116423	2.7929028	20	—	—
494802 2007 BS_{17}	16.4	X	346.12286	68.25608	105.40310	15.14371	0.2288540	0.22191711	2.7019389	20	1 5.5	19.2
494803 2007 CU_{36}	17.8	X	276.80667	34.08294	136.98126	7.54698	0.1717964	0.21010117	2.8023157	20	—	—
494804 2007 DU_{69}	17.6	X	327.71685	81.06915	120.30492	4.14424	0.2459377	0.29510695	2.2343426	20	—	—
494805 2007 DS_{85}	17.0	X	223.84298	107.57760	155.96102	6.10241	0.0279176	0.21660813	2.7459095	20	—	—
494806 2007 HZ_{39}	18.2	X	300.27929	219.98300	60.26575	7.49503	0.1645437	0.30001608	2.2099021	20	3 24.9	20.8
494807 2007 JF_{37}	16.6	X	137.44609	231.92822	93.30942	13.12033	0.0437948	0.19809633	2.9144175	20	—	—
494808 2007 LV_{37}	16.0	X	112.02678	70.64374	254.37375	8.59699	0.2157694	0.17542363	3.1604141	20	—	—
494809 2007 RH_{143}	17.0	X	274.11392	55.05409	328.62635	8.29187	0.2471392	0.21789452	2.7350914	20	6 27.6	20.9
494810 2007 RB_{150}	14.9	X	175.69059	223.58857	199.72799	15.71842	0.2428136	0.12389865	3.9849696	20	5 21.9	21.6
494811 2007 RE_{155}	16.7	X	70.64590	85.44243	267.46715	0.86771	0.0863656	0.17138570	3.2098617	20	—	—
494812 2007 RS_{202}	16.6	X	106.36385	135.60109	194.23865	11.42762	0.1014320	0.17105800	3.2139600	20	—	—
494813 2007 RF_{239}	17.8	X	189.96823	292.59017	44.06355	6.15236	0.2790715	0.27150660	2.3620139	20	2 17.8	22.0
494814 2007 RC_{278}	18.0	X	329.99571	313.36538	20.24751	20.92379	0.0918631	0.37691415	1.8980505	20	9 15.9	19.5
494815 2007 RA_{308}	16.7	X	166.03731	124.81110	169.12287	13.43350	0.1257106	0.18112806	3.0937049	20	—	—
494816 2007 SG	15.8	X	102.74498	176.68931	192.41327	18.13519	0.2634506	0.17981216	3.1087801	20	1 16.0	20.6
494817 2007 SD_{22}	17.9	X	228.35999	345.27940	340.56482	5.59512	0.1980136	0.27608960	2.3358020	20	3 2.4	21.4
494818 2007 TX_{10}	16.1	X	123.20578	307.97421	21.32195	23.79470	0.2501711	0.17598323	3.1537108	20	—	—
494819 2007 TP_{39}	17.9	X	211.87338	305.97313	46.75909	3.12127	0.2375631	0.27508585	2.3414805	20	3 22.3	21.8
494820 2007 TK_{43}	18.1	X	275.86756	164.57730	189.50707	2.96541	0.1796561	0.28728786	2.2747021	20	5 31.1	20.7
494821 2007 TN_{80}	18.1	X	208.72103	227.95513	117.88115	2.25978	0.2214671	0.27433307	2.3457620	20	3 11.3	22.1
494822 2007 TT_{104}	18.4	X	171.19019	32.25038	67.05950	3.73564	0.1258505	0.28152688	2.3056292	20	6 30.9	21.6
494823 2007 TC_{110}	17.8	X	236.77398	351.39064	35.06503	21.24309	0.0765452	0.36231555	1.9486989	20	6 4.5	20.3
494824 2007 TA_{137}	15.8	X	148.47487	78.74514	242.34922	15.47048	0.2813306	0.18155835	3.0888149	20	1 4.4	21.2
494825 2007 TT_{145}	18.3	X	202.66345	317.77809	36.73768	2.81505	0.2275890	0.27506024	2.3416258	20	3 17.1	22.2
494826 2007 TE_{165}	17.9	X	193.07266	108.11560	262.75105	3.93275	0.1682218	0.27408120	2.3471989	20	3 26.1	21.6
494827 2007 TF_{199}	18.5	X	253.20117	102.14885	220.19382	4.33841	0.2689751	0.28058691	2.3107756	20	3 13.1	22.2
494828 2007 TP_{229}	18.2	X	246.47620	98.47211	212.34495	1.91233	0.2077001	0.27448413	2.3449013	20	2 27.6	22.0
494829 2007 TM_{248}	16.7	X	290.45854	322.78383	66.89733	10.73839	0.2344358	0.21727795	2.7402632	20	8 2.7	20.1
494830 2007 TG_{253}	16.9	X	121.70762	298.26462	57.32259	1.89201	0.1866901	0.17905282	3.1175633	20	1 14.1	21.4
494831 2007 TJ_{288}	18.4	X	230.63698	185.86105	152.90733	4.11529	0.2663907	0.27890894	2.3200344	20	3 18.1	22.4
494832 2007 TS_{298}	17.0	X	141.18285	283.73646	15.70999	0.89744	0.1530096	0.17557281	3.1586236	20	—	—
494833 2007 TW_{299}	16.6	X	213.17944	184.76138	218.21734	2.09891	0.2625248	0.12531760	3.9548317	20	5 23.9	23.1
494834 2007 TO_{428}	17.4	X	220.63683	278.50621	64.07798	9.75357	0.2239465	0.27704285	2.3304409	20	3 20.9	21.4
494835 2007 TD_{431}	16.6	X	283.19818	283.09772	45.51402	8.07974	0.1192664	0.20526477	2.8461630	20	5 15.1	20.4
494836 2007 UR_{9}	18.2	X	241.52511	175.20910	168.10343	7.16409	0.3030694	0.28204865	2.3027849	20	3 30.2	22.2
494837 2007 UM_{96}	16.7	X	155.27847	310.52630	39.49707	2.85438	0.2718856	0.18317849	3.0705751	20	2 13.4	21.9
494838 2007 UU_{104}	17.9	X	212.96789	291.22376	68.71664	8.94699	0.3303610	0.27534357	2.3400192	20	4 2.1	22.3
494839 2007 VL_{334}	16.1	X	141.97836	281.91968	77.82713	16.63654	0.2220785	0.17747302	3.1360368	20	2 15.0	21.5
494840 2007 WJ_{1}	18.5	X	262.46002	155.34597	240.08858	19.36289	0.1031236	0.36846348	1.9269617	20	7 23.1	20.9
494841 2007 XC_{16}	16.6	X	280.21631	332.91129	61.75900	10.46155	0.3214526	0.21438238	2.7648824	20	7 8.3	20.5
494842 2007 YH_{14}	18.1	X	0.65827	55.19286	57.10066	5.93632	0.1725873	0.23884081	2.5727467	20	—	—
494843 2008 AO_{25}	17.5	X	309.58124	88.95540	94.84861	3.46792	0.1359875	0.23645921	2.5899928	20	—	—
494844 2008 AN_{28}	16.9	X	274.99860	219.60540	338.84326	11.49503	0.1326517	0.22794203	2.6541152	20	—	—
494845 2008 AQ_{33}	17.9	X	142.97914	222.42439	292.68131	17.76818	0.0690315	0.35732072	1.9668168	20	8 14.3	20.4
494846 2008 AY_{76}	18.0	X	281.88162	121.38960	65.22170	3.98323	0.1783548	0.23227848	2.6209781	20	—	—
494847 2008 CO_{5}	17.5	X	296.97620	357.91791	170.73901	7.09250	0.2841195	0.22869298	2.6483019	20	—	—
494848 2008 CR_{6}	17.6	X	256.15325	78.89668	121.65766	13.99694	0.2081483	0.23020671	2.6366798	20	—	—
494849 2008 CA_{48}	16.4	X	334.84396	142.86102	300.63449	12.60558	0.2217750	0.22521814	2.6754724	20	—	—
494850 2008 CZ_{77}	16.0	X	44.29818	78.76144	134.02379	16.51677	0.2987498	0.17819642	3.1275438	20	7 21.9	19.8
494851 2008 CY_{137}	17.6	X	273.97673	210.86111	351.61882	8.65964	0.0921289	0.23005745	2.6378201	20	—	—
494852 2008 CC_{154}	17.2	X	236.33281	164.44706	106.36689	5.56417	0.2388187	0.23115525	2.6294618	20	1 6.4	21.7
494853 2008 CT_{205}	15.7	X	181.25148	40.44139	135.06562	10.60283	0.1759314	0.12418279	3.9788886	20	10 3.7	22.1
494854 2008 CN_{210}	17.2	X	329.44078	82.45420	71.85930	10.03938	0.1978601	0.23460210	2.6036431	20	—	—
494855 2008 CX_{214}	16.7	X	268.88547	246.38853	315.58817	11.68016	0.2094729	0.22632476	2.6667441	20	—	—
494856 2008 DY_{48}	16.9	X	289.91983	78.12551	108.08690	13.42468	0.2064982	0.22946963	2.6423230	20	—	—
494857 2008 DD_{53}	17.3	X	257.93451	65.37140	181.91606	14.10563	0.2317094	0.22933062	2.6433907	20	—	—
494858 2008 EZ_{11}	17.3	X	247.03349	176.76507	66.67921	6.36759	0.1238145	0.22908175	2.6453048	20	—	—
494859 2008 ET_{17}	17.5	X	279.81356	346.38397	204.92279	16.64289	0.1468292	0.22491394	2.6778842	20	—	—
494860 2008 ER_{26}	16.8	X	266.64139	243.24686	324.65724	12.35822	0.2191321	0.22626231	2.6672347	20	—	—
494861 2008 EH_{36}	17.6	X	330.46077	328.46926	165.90743	13.33521	0.1992395	0.22838619	2.6506730	20	—	—
494862 2008 EB_{38}	17.6	X	300.39001	61.46722	118.85281	5.41118	0.1409388	0.23008596	2.6376022	20	—	—
494863 2008 ED_{112}	18.1	X	87.10682	262.34585	354.54523	9.67948	0.2381823	0.27570086	2.3379971	20	11 3.9	22.0
494864 2008 EK_{135}	16.9	X	293.04587	151.04287	13.76060	14.99607	0.2260285	0.22482163	2.6786172	20	—	—
494865 2008 EE_{141}	17.2	X	339.57596	300.67284	203.06016	10.30400	0.0652647	0.23004394	2.6379234	20	—	—
494866 2008 EH_{167}	17.3	X	16.67198	326.44345	139.45223	13.83074	0.2399646	0.23627494	2.5913392	20	—	—
494867 2008 FY_{63}	15.8	X	211.35183	276.08024	230.69356	1.93450	0.1213074	0.12620638	3.9362425	20	9 26.3	21.8
494868 2008 FF_{125}	17.1	X	205.81328	221.01395	47.55998	12.85039	0.1523161	0.21677062	2.7445371	20	—	—
494869 2008 GZ_{15}	17.4	X	213.97135	93.93641	194.51426	13.12967	0.1894666	0.22581846	2.6707286	20	1 9.1	22.2
494870 2008 GB_{43}	17.3	X	257.25329	190.43323	34.44861	4.07101	0.0356798	0.22509645	2.6764365	20	—	—
494871 2008 GK_{74}	17.0	X	259.09662	62.33480	176.58252	12.46582	0.0767283	0.22623613	2.6674405	20	—	—
494872 2008 GG_{81}	16.8	X	199.46569	230.12958	61.14216	13.13068	0.1257560	0.21963030	2.7206617	20	1 1.8	21.3
494873 2008 GO_{93}	17.7	X	253.13656	116.91999	123.14423	3.12662	0.1456380	0.23076623	2.6324161	20	—	—
494874 2008 GU_{96}	17.1	X	219.61119	143.41720	151.39424	4.81318	0.2358831	0.22893309	2.6464499	20	1 21.4	21.8
494875 2008 GW_{116}	17.4	X	292.30101	10.65587	186.54820	12.56682	0.1141797	0.22517689	2.6757991	20	—	—
494876 2008 HX	16.8	X	356.47464	285.79241	191.70669	24.70556	0.1799501	0.22659562	2.6646185	20	—	—
494877 2008 HT_{1}	17.8	X	260.28832	49.57357	170.43771	8.18102	0.1537502	0.22084188	2.7107019	20	—	—
494878 2008 HD_{48}	17.0	X	65.92878	238.18847	198.69093	21.43588	0.0311889	0.23107048	2.6301049	20	1 10.2	21.0
494879 2008 HF_{67}	17.3	X	200.24103	65.08081	219.78345	3.42226	0.1854473	0.21763401	2.7372736	20	—	—
494880 2008 SQ_{7}	19.9	X	100.28432	272.42791	184.93515	16.56852	0.2979200	0.62577529	1.3537042	20	4 13.3	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494881 2008 SF_{36}	18.2	X	69.00432	235.02549	138.56809	1.57418	0.1912706	0.26928289	2.3749996	20	—	—
494882 2008 SH_{51}	17.0	X	3.76722	230.36314	177.50583	0.77725	0.1672369	0.17727425	3.1383806	20	—	—
494883 2008 SV_{58}	16.2	X	130.19830	291.40384	33.74010	12.31189	0.1235645	0.18838358	3.0137509	20	—	—
494884 2008 SZ_{66}	16.1	X	209.03956	103.79974	234.72228	18.65835	0.2847747	0.21259657	2.7803441	20	2 26.9	21.6
494885 2008 ST_{86}	16.7	X	119.38207	340.22990	336.07922	10.31316	0.1210346	0.18665600	3.0323180	20	—	—
494886 2008 SD_{106}	15.9	X	128.32513	265.51077	29.48928	21.75168	0.1795175	0.18173869	3.0867713	20	—	—
494887 2008 SE_{108}	17.3	X	212.68424	18.50300	337.43430	9.21727	0.1361287	0.21974335	2.7197285	20	3 28.3	21.7
494888 2008 SC_{180}	18.5	X	264.11604	297.85037	55.04463	6.09605	0.2481083	0.31221489	2.1519573	20	5 4.7	21.4
494889 2008 SH_{185}	15.6	X	154.13398	76.22259	344.54775	8.75235	0.3047126	0.12465237	3.9688895	20	5 1.5	22.4
494890 2008 SG_{267}	15.9	X	180.63909	116.31467	246.95165	15.90117	0.1794160	0.21014379	2.8019369	20	3 5.0	20.9
494891 2008 TO_{9}	18.4	X	62.03213	16.91430	21.83978	6.44675	0.1706384	0.27238597	2.3569275	20	—	—
494892 2008 TW_{135}	16.3	X	230.30635	326.40953	217.44784	20.73865	0.0496172	0.17375695	3.1805918	20	12 13.6	21.1
494893 2008 UH_{20}	17.6	X	113.92442	170.36284	176.69663	4.96043	0.2280418	0.27572769	2.3378454	20	—	—
494894 2008 UO_{22}	18.1	X	83.80827	62.53954	32.03444	7.23481	0.1477770	0.28658235	2.2784338	20	3 15.1	20.5
494895 2008 UA_{53}	16.5	X	106.62570	113.73133	235.21198	13.11067	0.2862403	0.18622029	3.0370461	20	—	—
494896 2008 UC_{81}	18.3	X	14.85391	354.95771	86.36396	2.59089	0.1611137	0.26824753	2.3811069	20	—	—
494897 2008 UG_{97}	18.1	X	245.33042	287.68490	61.71482	7.98695	0.2060167	0.30535253	2.1840791	20	4 17.5	21.4
494898 2008 UB_{121}	15.7	X	140.30963	39.02609	254.63889	16.81751	0.0780583	0.17760856	3.1344412	20	—	—
494899 2008 UD_{136}	16.5	X	333.46524	46.15614	44.42736	11.01282	0.0690115	0.17377762	3.1803395	20	—	—
494900 2008 UJ_{198}	18.6	X	81.78289	250.74079	129.17405	0.97800	0.2346671	0.27215972	2.3582336	20	—	—
494901 2008 UN_{199}	19.0	X	91.00490	0.58830	231.84752	19.65180	0.0840260	0.40690490	1.8036023	20	10 14.9	21.1
494902 2008 UO_{213}	16.5	X	71.89390	332.80772	28.06314	6.01815	0.1326553	0.17824824	3.1269376	20	—	—
494903 2008 UQ_{254}	16.2	X	61.48981	301.09622	81.38096	10.20134	0.2192811	0.18455315	3.0553086	20	—	—
494904 2008 UK_{266}	17.8	X	26.30846	255.19977	224.65991	21.28501	0.2997199	0.27275718	2.3547886	20	—	—
494905 2008 UN_{282}	16.7	X	90.44943	123.62037	226.23826	3.03722	0.1169422	0.17841983	3.1249324	20	—	—
494906 2008 UU_{288}	17.0	X	106.23883	226.98312	112.71434	2.55294	0.1840359	0.18548697	3.0450454	20	—	—
494907 2008 UG_{290}	16.1	X	75.35552	147.58757	233.13891	26.94318	0.1336586	0.18050448	3.1008259	20	—	—
494908 2008 UA_{310}	15.6	X	1.43076	139.56591	291.60155	8.69092	0.0781973	0.17709840	3.1404578	20	—	—
494909 2008 UX_{315}	17.6	X	63.84028	347.04456	56.77839	10.05988	0.2171354	0.26854733	2.3793344	20	—	—
494910 2008 UK_{358}	16.1	X	96.92546	277.68718	49.76201	11.79074	0.0559109	0.17446223	3.1720140	20	—	—
494911 2008 US_{359}	16.5	X	98.38002	113.26401	230.90610	9.84137	0.1079923	0.17881581	3.1203174	20	—	—
494912 2008 VH_{25}	16.6	X	115.62837	241.07343	108.76783	3.02696	0.0656037	0.18663117	3.0325870	20	—	—
494913 2008 VO_{40}	15.9	X	213.17317	288.09734	263.53241	11.97044	0.0032360	0.16893882	3.2407814	20	12 8.8	20.4
494914 2008 VD_{43}	15.8	X	85.04579	59.57262	285.25196	10.23880	0.0790842	0.17596039	3.1539836	20	—	—
494915 2008 VM_{56}	17.7	X	267.37619	168.80887	302.56619	4.08044	0.0816063	0.24586004	2.5235432	20	11 12.9	20.8
494916 2008 VV_{73}	18.5	X	19.40525	325.16349	183.05554	1.98324	0.1649947	0.27794977	2.3253688	20	1 27.1	20.3
494917 2008 WF_{3}	17.1	X	26.61312	106.45656	322.57033	2.13707	0.1659303	0.18159324	3.0884193	20	—	—
494918 2008 WQ_{27}	16.4	X	52.06161	141.12412	231.53002	10.00404	0.0601990	0.17469131	3.1692404	20	—	—
494919 2008 WU_{31}	16.4	X	117.57374	264.00675	65.42362	10.82779	0.1584004	0.17814048	3.1281985	20	—	—
494920 2008 WC_{62}	17.8	X	191.32229	305.20314	74.50625	5.87274	0.1674921	0.29439848	2.2379258	20	4 8.6	21.3
494921 2008 WE_{80}	16.2	X	201.15432	103.37562	125.39285	6.00190	0.0350919	0.17119291	3.2122712	20	—	—
494922 2008 WJ_{115}	18.2	X	358.92007	79.15638	63.30542	4.79871	0.1561930	0.26939498	2.3743408	20	—	—
494923 2008 WW_{140}	15.9	X	20.85322	324.07674	87.08516	18.88233	0.2230354	0.17510847	3.1642050	20	—	—
494924 2008 WC_{141}	17.5	X	6.74853	339.79896	90.83366	7.72589	0.1136388	0.26017757	2.4300926	20	—	—
494925 2008 XG_{14}	15.6	X	117.57572	76.51976	250.30080	20.94761	0.1102795	0.17989999	3.1077683	20	—	—
494926 2008 XW_{21}	16.0	X	40.93727	293.10197	100.67005	20.06906	0.1374048	0.16989092	3.2286622	20	—	—
494927 2008 YC_{27}	17.0	X	341.42028	247.87890	273.74092	18.38927	0.1913108	0.26441591	2.4040546	20	—	—
494928 2008 YH_{85}	18.1	X	128.45949	161.01772	267.25127	4.93027	0.1308478	0.28712005	2.2755884	20	3 30.8	21.3
494929 2008 YO_{93}	18.4	X	5.62308	47.22503	97.15484	3.52273	0.1365371	0.26694356	2.3888548	20	—	—
494930 2008 YV_{98}	15.9	X	64.04796	267.43255	115.22448	22.44419	0.1298897	0.16975040	3.2304438	20	—	—
494931 2008 YL_{114}	18.2	X	25.59752	51.81260	99.39286	8.45395	0.0488661	0.27506015	2.3416263	20	2 20.6	20.9
494932 2009 AU_{37}	17.9	X	319.70758	90.20680	120.79240	7.37521	0.0641830	0.27073748	2.3664852	20	2 1.0	20.5
494933 2009 BO_{2}	18.6	X	128.60951	40.68833	105.20323	27.37354	0.1362898	0.38318658	1.8772806	20	7 25.3	20.9
494934 2009 BF_{38}	18.5	X	335.51123	92.65442	88.65808	2.25452	0.1179167	0.26374973	2.4081010	20	1 7.0	21.2
494935 2009 BB_{44}	18.2	X	328.98700	245.52857	304.55071	1.35594	0.1662125	0.26195416	2.4190927	20	1 2.2	20.8
494936 2009 BS_{53}	17.9	X	329.82700	184.34378	355.17257	2.50110	0.1373895	0.26194227	2.4191659	20	—	—
494937 2009 BO_{81}	17.9	X	30.79889	351.28963	112.96755	5.48860	0.2567926	0.26261104	2.4150570	20	—	—
494938 2009 CU_{15}	17.9	X	42.51582	77.56959	158.46483	6.24812	0.0707078	0.29010789	2.2599371	20	7 23.2	20.3
494939 2009 DA_{48}	17.6	X	53.59373	213.82521	329.28099	17.93164	0.0644436	0.36768523	1.9296799	20	5 9.1	19.9
494940 2009 DQ_{60}	18.2	X	311.89736	67.13495	121.78504	5.36355	0.0969350	0.25497267	2.4630522	20	—	—
494941 2009 EE_{13}	17.1	X	18.04046	352.32977	155.38407	28.47225	0.1273347	0.26683268	2.3895165	20	1 28.7	19.8
494942 2009 EH_{22}	16.8	X	175.20923	133.74326	16.80890	7.92237	0.1298525	0.21600794	2.7509936	20	9 8.2	21.1
494943 2009 FS_{25}	17.8	X	320.36300	65.39412	116.71253	3.86622	0.1205637	0.25289712	2.4765102	20	—	—
494944 2009 FG_{35}	17.5	X	10.98667	215.83657	8.77823	12.45452	0.2411382	0.27468409	2.3437631	20	5 11.5	19.0
494945 2009 FQ_{52}	18.1	X	355.04210	156.26255	355.62287	0.97952	0.1263329	0.25975587	2.4327219	20	—	—
494946 2009 HJ_{25}	17.8	X	28.83782	158.25781	50.71592	8.03951	0.1312957	0.27026377	2.3692496	20	5 24.6	19.9
494947 2009 JV_{17}	17.7	X	201.14579	40.57168	231.12723	5.11548	0.2715992	0.23380943	2.6095244	20	—	—
494948 2009 OE_{9}	17.6	X	250.24568	35.04060	272.91801	5.19025	0.2926713	0.24330378	2.5411881	20	2 22.9	22.0
494949 2009 OW_{9}	17.4	X	188.80475	185.22384	135.55735	6.14089	0.2620635	0.22930554	2.6435834	20	1 29.6	22.1
494950 2009 PV_{9}	17.1	X	243.49773	113.23951	161.67428	27.82094	0.2588999	0.23620436	2.5918554	20	1 14.9	22.0
494951 2009 PN_{15}	17.2	X	166.38167	349.28232	349.56223	3.18035	0.1516905	0.22319054	2.6916517	20	1 29.1	21.4
494952 2009 QX_{4}	17.3	X	194.68816	11.60343	303.03834	4.14152	0.2424573	0.23010904	2.6374259	20	1 26.4	21.9
494953 2009 RP_{14}	17.0	X	295.78812	84.46862	15.07031	7.24703	0.2607841	0.18318381	3.0705157	20	11 1.7	20.3
494954 2009 RQ_{18}	17.0	X	138.37013	164.45986	199.13341	11.51930	0.1934684	0.22176336	2.7031876	20	2 1.0	21.3
494955 2009 RH_{19}	17.0	X	124.50164	6.77168	338.00369	9.48960	0.2002123	0.21436790	2.7650069	20	1 1.4	21.2
494956 2009 RQ_{58}	17.3	X	143.05852	148.86376	189.42820	4.23376	0.0751251	0.21098400	2.7944931	20	—	—
494957 2009 SK_{23}	17.6	X	178.59716	132.42626	323.87153	16.00066	0.1091836	0.34827217	2.0007379	20	7 11.4	20.3
494958 2009 SZ_{46}	17.3	X	189.54147	17.85636	294.91883	2.65900	0.2016564	0.22059549	2.7127200	20	1 20.3	21.9
494959 2009 SH_{73}	16.3	X	40.18682	304.78137	349.96036	9.22727	0.0690220	0.17934799	3.1141417	20	9 24.9	20.6
494960 2009 SZ_{120}	16.9	X	342.55169	40.22561	2.79061	11.29128	0.0994800	0.18699597	3.0286416	20	11 20.9	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494961 2009 SV_{235}	14.5	X	291.78627	225.76187	180.58239	8.24114	0.0559364	0.08041201	5.3160467	20	9 1.1	21.4
494962 2009 SJ_{250}	16.5	X	326.78085	205.63298	191.27425	9.20764	0.0991155	0.17993508	3.1073642	20	10 21.9	20.2
494963 2009 TH_{9}	17.8	X	23.23266	194.02650	216.94911	6.90658	0.1902575	0.28776064	2.2722100	20	—	—
494964 2009 TA_{15}	16.7	X	120.58132	341.72843	30.83187	10.54675	0.2338630	0.21752321	2.7382030	20	2 6.4	20.9
494965 2009 TL_{40}	16.9	X	132.86443	202.39469	158.27019	11.21550	0.2443060	0.21611384	2.7500948	20	1 31.1	21.4
494966 2009 UR_{82}	17.1	X	327.76882	241.81131	218.21374	11.82355	0.1643424	0.18725028	3.0258988	20	—	—
494967 2009 UB_{106}	16.9	X	13.32422	356.59703	54.76469	10.83479	0.0813293	0.18882654	3.0090359	20	—	—
494968 2009 UA_{151}	17.2	X	173.42651	92.69333	231.90101	13.00691	0.2206185	0.21577393	2.7529822	20	1 19.1	22.1
494969 2009 VO_{13}	17.2	X	356.75692	208.18867	238.12904	11.05550	0.0229025	0.19582385	2.9369215	20	—	—
494970 2009 VA_{32}	17.4	X	171.19681	114.71900	211.15658	8.26072	0.1846428	0.21639039	2.7477512	20	1 18.3	22.0
494971 2009 VB_{36}	16.8	X	141.42090	104.86059	250.15789	10.21245	0.1602242	0.21239852	2.7820722	20	1 22.8	21.1
494972 2009 VQ_{67}	15.8	X	227.82519	289.62376	247.94156	17.54110	0.1533862	0.17856514	3.1232369	20	11 22.2	20.5
494973 2009 VT_{96}	16.1	X	324.82635	9.27119	72.90720	17.08188	0.2144770	0.18065732	3.0990768	20	12 14.1	19.2
494974 2009 WL_{78}	16.0	X	265.10841	246.06109	265.07554	11.94093	0.0893220	0.18116704	3.0932612	20	12 14.6	20.2
494975 2009 WO_{106}	19.2	X	206.72853	134.66186	281.70714	17.35073	0.3853263	0.61179291	1.3742521	20	5 30.0	21.2
494976 2009 WY_{135}	15.9	X	341.22328	326.74652	55.08207	16.71752	0.0603864	0.17611620	3.1521231	20	10 26.9	20.1
494977 2009 WN_{146}	16.9	X	52.84508	323.56226	78.92914	14.52158	0.1022575	0.19838511	2.9115886	20	—	—
494978 2009 WJ_{148}	16.9	X	304.71558	238.62257	220.37281	16.07081	0.2657078	0.17943143	3.1131762	20	11 19.8	19.9
494979 2009 WE_{165}	17.4	X	231.53826	331.79531	66.73711	5.34150	0.1814989	0.24154469	2.5535109	20	6 7.9	21.4
494980 2009 WZ_{215}	16.4	X	287.16423	102.33009	45.68342	10.68813	0.0408190	0.18867129	3.0106863	20	—	—
494981 2009 WE_{260}	16.4	X	272.41206	193.98263	308.17078	8.26084	0.0909504	0.17278874	3.1924622	20	12 10.7	20.7
494982 2009 XR_{14}	16.5	X	341.56575	333.64102	111.12507	13.15122	0.1213114	0.17961644	3.1110380	20	—	—
494983 2010 AW_{33}	18.9	X	10.55150	134.14730	24.53851	1.35156	0.2207047	0.29414636	2.2392043	20	1 13.2	20.1
494984 2010 AJ_{37}	18.4	X	127.09512	335.10962	108.80776	5.56995	0.0639214	0.30836285	2.1698415	20	4 15.5	21.0
494985 2010 AS_{41}	15.6	X	281.01698	202.51200	308.57728	15.72656	0.1670483	0.17606753	3.1527040	20	12 27.1	19.6
494986 2010 AO_{55}	18.3	X	356.53081	156.80264	318.73796	6.47936	0.1298428	0.28068023	2.3102634	20	—	—
494987 2010 BK_{86}	16.5	X	309.89312	12.13197	47.57366	13.65579	0.1034044	0.17763248	3.1341598	20	10 25.6	20.4
494988 2010 CC_{2}	17.2	X	49.17223	188.50593	318.68410	7.65423	0.2686048	0.20554446	2.8435805	20	4 21.2	20.3
494989 2010 CY_{108}	15.8	X	97.24516	207.74369	147.22837	22.55975	0.0371118	0.17747150	3.1360548	20	—	—
494990 2010 CZ_{117}	16.0	X	288.61718	14.24933	124.22022	16.89789	0.0424725	0.17584148	3.1554054	20	—	—
494991 2010 CM_{229}	16.8	X	183.26464	134.17948	236.82031	23.88018	0.1715809	0.28247951	2.3004427	20	3 10.1	21.0
494992 2010 EL_{77}	18.6	X	358.52836	200.96273	322.74625	2.40750	0.1642821	0.28677375	2.2774199	20	1 7.1	20.6
494993 2010 EB_{100}	18.0	X	301.03534	226.15070	9.23400	6.56710	0.1823060	0.28110996	2.3079084	20	1 22.4	21.1
494994 2010 FU_{29}	17.9	X	242.09302	170.02561	43.26760	5.76681	0.0678459	0.26356831	2.4092059	20	—	—
494995 2010 GP_{97}	18.3	X	307.21812	175.84659	53.53991	10.44662	0.1316076	0.28087553	2.3091923	20	1 30.9	21.4
494996 2010 HD_{76}	15.9	X	221.29632	33.07709	181.45628	26.83052	0.1244628	0.17170280	3.2059086	20	12 29.7	21.2
494997 2010 HY_{113}	18.3	X	312.79749	26.70558	222.32641	5.23647	0.3362539	0.28956323	2.2627702	20	1 27.8	21.5
494998 2010 JR_{31}	18.5	X	292.99346	231.08990	42.91216	2.33637	0.1865721	0.28461722	2.2889094	20	3 1.9	21.6
494999 2010 JU_{39}	19.6	X	304.56775	311.37122	95.17689	36.21233	0.5460182	1.11843866	0.9191674	20	—	—
495000 2010 JF_{46}	17.8	X	305.19854	175.42965	67.97886	10.00776	0.2049689	0.28086123	2.3092707	20	2 5.1	20.9
495001 2010 JP_{48}	17.7	X	279.33911	53.78472	230.97765	12.09413	0.0863859	0.28514000	2.2861108	20	3 7.1	20.9
495002 2010 JA_{78}	18.4	X	291.72943	181.82757	78.87725	3.16240	0.1944885	0.28101362	2.3084358	20	2 11.4	21.4
495003 2010 JT_{80}	16.8	X	281.87006	170.82488	86.92672	24.49079	0.1815414	0.27759074	2.3273734	20	1 31.2	20.5
495004 2010 KD_{50}	17.8	X	293.92178	35.07885	250.83947	4.24111	0.2233428	0.27487381	2.3426845	20	3 11.3	21.1
495005 2010 KJ_{125}	18.0	X	270.90625	113.27889	175.81469	11.13499	0.2772984	0.26897920	2.3767869	20	2 16.2	21.9
495006 2010 LV_{1}	17.7	X	226.39331	188.21130	151.05913	11.62114	0.2455521	0.26433798	2.4045271	20	3 18.4	21.8
495007 2010 MX_{63}	17.1	X	316.83474	22.25179	40.21514	8.75044	0.3058882	0.20119147	2.8844500	20	11 1.1	19.0
495008 2010 MQ_{77}	17.6	X	265.89049	32.54234	290.93828	4.53741	0.2441133	0.27068631	2.3667834	20	3 27.7	21.3
495009 2010 MW_{85}	15.8	X	129.28178	159.90157	252.45675	8.85178	0.0706170	0.15045905	3.5009871	20	3 13.6	21.1
495010 2010 MA_{112}	18.3	X	231.35218	256.21217	68.78751	2.40791	0.2071907	0.26757168	2.3851148	20	3 5.5	22.1
495011 2010 OB_{57}	16.5	X	42.27310	249.03481	202.17238	27.85649	0.1076864	0.23215666	2.6218950	20	—	—
495012 2010 PA_{57}	16.5	X	323.30557	130.72357	224.64251	9.13277	0.1391260	0.18408193	3.0605204	20	8 15.1	20.3
495013 2010 RZ_{64}	18.0	X	266.32905	340.17405	345.85941	2.05596	0.2202194	0.27392567	2.3480872	20	4 4.7	21.4
495014 2010 RG_{73}	18.1	X	199.26377	282.91147	64.91179	3.55597	0.2238132	0.25907962	2.4369533	20	3 8.1	22.2
495015 2010 RP_{81}	17.9	X	89.03531	245.54922	151.08026	6.75556	0.3514454	0.23379265	2.6096493	20	2 9.8	21.1
495016 2010 RL_{120}	17.6	X	232.90984	116.25839	214.76813	1.55029	0.2190256	0.26437130	2.4043250	20	3 12.1	21.4
495017 2010 RK_{121}	16.6	X	23.96407	255.94460	224.64187	12.34435	0.1356183	0.24366640	2.5386663	20	1 4.2	19.4
495018 2010 RA_{136}	17.5	X	264.02639	224.63854	154.90033	6.94571	0.1285366	0.28194009	2.3033759	20	6 28.3	20.5
495019 2010 RE_{147}	17.9	X	359.13093	261.45344	195.10954	9.04542	0.1274399	0.22227598	2.6990299	20	—	—
495020 2010 RJ_{163}	18.0	X	212.79477	219.28158	115.59088	3.51037	0.2060732	0.26157851	2.4214082	20	3 2.6	21.9
495021 2010 SH_{15}	22.6	X	176.57112	96.64896	0.91562	4.05029	0.0330174	0.68760904	1.2712813	20	8 22.1	21.0
495022 2010 TO_{12}	17.4	X	331.17881	267.60341	209.16636	14.52686	0.2393502	0.21750029	2.7383954	20	—	—
495023 2010 TH_{108}	18.1	X	67.99816	158.63781	220.33971	2.44507	0.1825299	0.22407869	2.6845346	20	—	—
495024 2010 UC_{11}	16.6	X	95.97726	354.47488	53.33036	14.99072	0.1429226	0.23306383	2.6150869	20	2 7.7	20.2
495025 2010 UF_{37}	16.1	X	321.73648	149.96809	253.56326	13.04847	0.1780388	0.19197597	2.9760356	20	10 16.8	19.6
495026 2010 UU_{75}	16.9	X	349.26384	111.27794	265.80927	7.56134	0.1034081	0.19533192	2.9418503	20	11 1.8	20.5
495027 2010 UF_{83}	15.9	X	265.35016	323.92698	241.29714	24.83046	0.0977124	0.21876337	2.7278447	20	—	—
495028 2010 UH_{93}	17.4	X	139.35155	36.13837	321.78668	5.10225	0.1510226	0.23468366	2.6030398	20	1 23.7	21.1
495029 2010 VA	17.7	X	80.75153	140.12882	24.32680	21.40440	0.0564993	0.36720489	1.9313623	20	5 25.9	19.9
495030 2010 VF_{23}	16.9	X	69.00668	8.01862	43.18534	14.53604	0.1489486	0.22880691	2.6474227	20	—	—
495031 2010 VK_{57}	17.7	X	120.01218	193.25006	179.62102	3.26539	0.0933769	0.23185626	2.6241591	20	1 11.7	21.3
495032 2010 VX_{67}	16.0	X	238.94252	18.62125	51.72651	18.72016	0.1735172	0.17767157	3.1337000	20	7 29.5	21.2
495033 2010 VE_{131}	16.3	X	257.14689	29.30566	29.73213	16.71596	0.2114337	0.17736517	3.1373079	20	7 31.7	21.3
495034 2010 VW_{171}	17.4	X	31.16513	51.12313	59.04071	10.80477	0.1340573	0.22575842	2.6712021	20	1 11.1	20.4
495035 2010 VR_{173}	16.5	X	57.84615	343.39926	73.23529	15.08910	0.2349115	0.22431793	2.6826255	20	—	—
495036 2010 VJ_{209}	16.7	X	341.91484	341.35751	9.18791	8.90632	0.0745103	0.18879557	3.0093649	20	9 17.5	20.5
495037 2010 VC_{225}	14.2	X	250.86036	282.62637	168.78795	11.73082	0.0478199	0.08285052	5.2112179	20	9 7.4	21.2
495038 2010 WB_{1}	17.6	X	151.24630	244.83625	233.08820	19.11252	0.0976182	0.36723499	1.9312568	20	7 3.0	20.3
495039 2010 WX_{29}	17.0	X	17.26419	19.55638	76.26032	6.32195	0.0307103	0.21961466	2.7207909	20	—	—
495040 2010 WU_{32}	16.6	X	244.87201	209.86160	235.83458	4.51876	0.1482123	0.17861965	3.1226014	20	8 20.4	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495041 2010 WM_{54}	17.3	X	191.40852	276.70922	56.38758	12.99038	0.1881316	0.24142242	2.5543730	20	2 18.0	21.8
495042 2010 XO_{28}	17.6	X	114.11617	104.81768	276.79048	3.93486	0.0570797	0.22793933	2.6541362	20	1 11.0	21.2
495043 2010 XK_{42}	16.9	X	122.34982	188.00529	266.45875	6.78443	0.1439490	0.24015269	2.5633687	20	5 2.6	20.6
495044 2010 XF_{79}	16.7	X	335.73432	17.32481	102.86394	14.71575	0.0718639	0.21180621	2.7872564	20	—	—
495045 2011 AP_{75}	16.6	X	275.45495	2.18724	152.07232	7.28911	0.1879850	0.18648035	3.0342219	20	12 21.5	20.4
495046 2011 BT_{38}	16.1	X	231.47998	190.79316	338.32327	16.30795	0.1643912	0.17557754	3.1585669	20	11 8.0	21.1
495047 2011 BQ_{61}	17.4	X	263.55504	147.62400	34.82546	2.04798	0.0214970	0.19919227	2.9037177	20	—	—
495048 2011 BW_{76}	17.4	X	234.71884	33.84012	162.90918	6.78399	0.1839329	0.18435618	3.0574844	20	12 20.0	21.9
495049 2011 BN_{89}	16.6	X	308.20765	174.88439	309.57330	9.06782	0.0571826	0.19244801	2.9711672	20	—	—
495050 2011 BZ_{123}	17.0	X	254.91808	322.75407	124.03889	9.06157	0.2431701	0.17200121	3.2021995	20	8 23.7	21.8
495051 2011 BZ_{160}	16.8	X	274.96024	107.90399	35.73949	8.91392	0.2329892	0.18942525	3.0026921	20	11 29.7	20.4
495052 2011 CW_{22}	17.5	X	120.24456	174.76700	199.13196	4.60230	0.1269967	0.21386902	2.7693051	20	1 20.2	21.5
495053 2011 CQ_{33}	16.9	X	313.37520	30.43457	140.11448	13.87678	0.0637773	0.20507577	2.8479114	20	—	—
495054 2011 CN_{36}	16.4	X	62.95961	287.37834	121.27764	14.11127	0.2058611	0.21090577	2.7951840	20	—	—
495055 2011 CB_{108}	16.3	X	136.54475	334.14752	329.04056	10.14904	0.1558445	0.18632650	3.0358919	20	—	—
495056 2011 CW_{108}	16.5	X	126.94640	6.30462	316.70951	8.66314	0.0711840	0.19209843	2.9747707	20	—	—
495057 2011 CX_{109}	16.8	X	186.08320	40.72290	215.37404	5.33063	0.2304781	0.18290682	3.0736149	20	—	—
495058 2011 CW_{113}	16.7	X	9.08694	257.10000	157.33295	10.31521	0.1051076	0.18947712	3.0021441	20	—	—
495059 2011 DR_{13}	17.2	X	6.70517	292.84575	146.25829	2.70356	0.0232268	0.19653950	2.9297877	20	—	—
495060 2011 DX_{44}	17.0	X	256.18343	98.24823	80.98600	1.76848	0.1557125	0.18570864	3.0426218	20	12 29.1	20.9
495061 2011 EY_{28}	16.7	X	33.63636	330.22399	95.15628	12.27941	0.1091472	0.20206643	2.8761173	20	—	—
495062 2011 EB_{42}	16.0	X	211.64948	130.91176	74.84548	5.04774	0.1972230	0.17553861	3.1590339	20	12 4.2	21.0
495063 2011 EN_{64}	17.2	X	261.54503	85.50984	86.35270	3.40925	0.1489688	0.18519621	3.0482318	20	12 28.1	21.0
495064 2011 EU_{70}	17.2	X	309.10654	76.13216	173.30723	9.48065	0.1455788	0.21247576	2.7813979	20	3 3.0	20.7
495065 2011 EC_{77}	16.1	X	251.93436	328.68418	194.48256	30.24044	0.3236231	0.17783344	3.1317982	20	11 10.7	21.0
495066 2011 FF	16.3	X	236.65188	287.03116	258.03894	4.17285	0.0806134	0.18136041	3.0910621	20	12 21.2	20.6
495067 2011 FX_{52}	16.4	X	210.87187	66.39428	183.94755	19.66533	0.1327927	0.18615589	3.0377465	20	—	—
495068 2011 FF_{76}	17.0	X	200.23391	215.75034	12.78247	5.33812	0.0842298	0.17933345	3.1143101	20	12 31.3	21.7
495069 2011 FX_{76}	17.1	X	243.60129	56.15935	129.76513	2.10686	0.1249132	0.18133306	3.0913729	20	12 24.5	21.5
495070 2011 FB_{111}	16.5	X	197.20713	53.59849	196.15466	20.60964	0.2461937	0.17809700	3.1287076	20	—	—
495071 2011 FB_{144}	15.8	X	204.11214	219.87412	11.56007	20.82101	0.1057524	0.17688768	3.1429514	20	—	—
495072 2011 GB_{14}	16.7	X	238.51197	276.17704	257.44895	3.66845	0.1438427	0.17449611	3.1716035	20	11 29.7	21.2
495073 2011 GP_{78}	15.8	X	184.57314	139.12143	112.06823	28.49211	0.1811416	0.17509911	3.1643178	20	—	—
495074 2011 HJ_{3}	16.2	X	239.56081	114.83024	67.16356	15.01941	0.1583169	0.17378263	3.1802785	20	12 8.1	20.7
495075 2011 HW_{12}	16.0	X	255.08435	116.63635	97.71331	17.86367	0.1040190	0.18114507	3.0935113	20	—	—
495076 2011 HT_{29}	16.3	X	199.93979	79.40798	206.47571	13.82372	0.2526178	0.18081762	3.0972449	20	1 1.2	22.0
495077 2011 HP_{36}	16.1	X	154.59985	206.69963	89.26035	10.18719	0.1876713	0.17159906	3.2072006	20	—	—
495078 2011 HL_{48}	15.9	X	177.39124	206.33745	89.45937	12.10568	0.1582005	0.17994399	3.1072616	20	—	—
495079 2011 HE_{57}	17.2	X	211.86502	337.87657	193.03297	18.69145	0.3339451	0.16371188	3.3094000	20	10 14.7	23.0
495080 2011 JA_{4}	15.6	X	171.53892	149.89198	111.33198	10.12644	0.0576213	0.16842304	3.2473945	20	—	—
495081 2011 JY_{4}	17.5	X	2.64319	200.25429	79.93854	10.50256	0.2352353	0.22791984	2.6542875	20	8 1.7	19.8
495082 2011 JH_{24}	15.6	X	119.87757	257.49030	73.09023	22.70398	0.0691173	0.17544800	3.1601214	20	—	—
495083 2011 JR_{25}	16.0	X	132.85448	114.48902	218.03959	25.11300	0.2354989	0.17093342	3.2155213	20	—	—
495084 2011 JE_{28}	16.0	X	209.34229	178.70013	70.79335	5.97640	0.1254953	0.17437098	3.1731205	20	—	—
495085 2011 KL_{20}	16.2	X	197.64279	205.39623	90.80156	8.06134	0.0773722	0.18597468	3.0397195	20	1 9.9	20.9
495086 2011 LA_{17}	15.7	X	194.54943	106.37994	113.02551	37.76243	0.1588297	0.16592479	3.2799095	20	12 14.4	21.3
495087 2011 QR_{33}	18.2	X	267.30376	318.18810	350.69416	8.54399	0.1802085	0.30164958	2.2019167	20	3 16.7	21.2
495088 2011 SU_{5}	17.0	X	179.08379	176.86529	203.89942	26.64807	0.2319217	0.28878848	2.2668153	20	3 27.2	20.9
495089 2011 SA_{29}	18.6	X	291.04800	315.48578	350.21216	2.02252	0.2463900	0.30675468	2.1774185	20	3 30.7	21.4
495090 2011 SY_{29}	18.5	X	232.62557	316.52160	28.44252	4.53742	0.2319351	0.29314094	2.2443215	20	3 28.3	22.1
495091 2011 SR_{73}	18.5	X	259.60736	29.40773	300.82294	2.39432	0.2119715	0.30277008	2.1964808	20	4 1.8	21.6
495092 2011 SB_{74}	17.7	X	182.41139	135.34094	233.66395	7.16851	0.1748439	0.28685682	2.2769802	20	3 12.3	21.3
495093 2011 SH_{80}	18.2	X	175.98928	190.42122	191.44803	5.16298	0.1164155	0.28796895	2.2711140	20	3 22.9	21.3
495094 2011 SN_{92}	17.9	X	210.81808	58.38951	10.97060	6.07447	0.1137798	0.30516842	2.1849575	20	7 5.8	20.9
495095 2011 SR_{93}	17.9	X	209.17744	341.94368	353.13972	8.55861	0.1235276	0.28347930	2.2950306	20	2 27.8	21.3
495096 2011 SY_{183}	17.6	X	328.64084	221.76231	165.02407	3.79068	0.2020619	0.21755297	2.7379534	20	10 20.3	19.9
495097 2011 SJ_{195}	17.9	X	241.52903	305.96542	322.87149	4.81002	0.1565439	0.28155050	2.3055003	20	1 5.5	21.4
495098 2011 SO_{221}	18.8	X	267.49364	244.71723	75.64592	0.81240	0.2032564	0.30147008	2.2027907	20	3 30.7	21.9
495099 2011 SO_{257}	17.2	X	301.40485	222.60139	224.82420	12.70891	0.1701368	0.22384365	2.6864135	20	11 22.6	19.9
495100 2011 UQ_{37}	17.9	X	185.99647	118.17817	248.80036	6.19645	0.1410484	0.28040875	2.3117543	20	3 12.5	21.4
495101 2011 UF_{58}	17.3	X	356.61784	192.32206	215.03363	13.82366	0.3058666	0.22961577	2.6412017	20	—	—
495102 2011 UU_{106}	18.8	X	130.25683	242.03342	251.88544	9.93192	0.4814395	0.39922335	1.8266644	20	7 22.9	22.4
495103 2011 UR_{134}	18.0	X	350.21819	234.59182	204.34990	11.12361	0.1642683	0.23639221	2.5904822	20	—	—
495104 2011 UG_{146}	17.9	X	226.47805	101.86548	241.97479	6.16770	0.1426225	0.28373418	2.2936560	20	3 22.6	21.3
495105 2011 UM_{151}	17.4	X	14.39093	243.78254	164.94767	5.59933	0.2467458	0.23486419	2.6017057	20	—	—
495106 2011 US_{166}	17.3	X	188.14941	328.91597	48.76597	7.67534	0.1427229	0.28100908	2.3084607	20	4 3.4	20.8
495107 2011 UF_{186}	18.4	X	239.16970	262.63933	83.44325	5.47119	0.2206438	0.29482783	2.2357525	20	4 6.9	21.9
495108 2011 UA_{188}	18.1	X	280.91424	38.00063	266.65422	4.43170	0.1820055	0.30159199	2.2021971	20	3 24.3	21.0
495109 2011 UF_{190}	17.2	X	122.92066	349.84265	41.18138	8.56766	0.2240689	0.26673483	2.3901008	20	2 25.1	20.7
495110 2011 UH_{194}	16.2	X	349.26050	228.08546	245.37058	27.31692	0.2788407	0.23712948	2.5851100	20	—	—
495111 2011 UU_{200}	17.8	X	106.87001	329.30941	87.86257	8.12561	0.1915916	0.26623340	2.3931010	20	3 6.8	21.0
495112 2011 UH_{246}	18.4	X	108.35935	187.87701	212.99830	1.89523	0.1843875	0.26239151	2.4164039	20	2 10.4	21.5
495113 2011 UX_{247}	18.7	X	224.69987	111.64719	226.73604	5.85417	0.1309950	0.28224899	2.3016950	20	3 14.8	22.1
495114 2011 UY_{248}	17.5	X	336.37187	24.94562	225.24779	5.42734	0.0969878	0.28554181	2.2839657	20	4 15.4	19.7
495115 2011 UV_{249}	18.7	X	237.64291	274.02683	49.19882	4.31957	0.2453999	0.28554531	2.2839471	20	3 6.4	22.5
495116 2011 UV_{282}	18.3	X	230.39643	131.82771	203.11563	5.45410	0.1288007	0.28440530	2.2900463	20	3 17.3	21.7
495117 2011 UV_{293}	18.0	X	353.47160	48.98638	65.96259	13.83630	0.2025328	0.24125345	2.5555656	20	—	—
495118 2011 UW_{342}	18.4	X	290.31524	153.42711	140.32410	3.12979	0.1747061	0.29906924	2.2145639	20	3 26.1	21.0
495119 2011 UF_{354}	17.9	X	172.01238	191.16370	180.12930	6.42383	0.1441925	0.27959454	2.3162402	20	3 6.9	21.3
495120 2011 UR_{387}	17.3	X	30.43596	337.61857	132.73821	8.21336	0.1504653	0.25432718	2.4672180	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495121 2011 UY_{403}	18.3	X	134.22193	62.99143	323.44447	1.58540	0.0491863	0.26610802	2.3938526	20	2 4.9	21.3
495122 2011 VC_{9}	17.4	X	328.11878	78.63868	17.48135	27.70190	0.3742957	0.22689323	2.6622879	20	—	—
495123 2011 WM_{21}	18.3	X	270.87526	254.17094	63.01689	8.77553	0.2584714	0.29347078	2.2426395	20	3 28.6	21.7
495124 2011 WZ_{26}	16.1	X	135.27485	95.16321	271.67637	21.75581	0.0063749	0.25993520	2.4316029	20	1 4.3	19.2
495125 2011 WA_{36}	18.3	X	113.77215	7.97897	68.69059	2.58387	0.1419715	0.27417237	2.3466785	20	3 30.8	21.4
495126 2011 WU_{60}	16.9	X	231.35621	323.94867	83.75138	10.41335	0.0517089	0.18379669	3.0636861	20	7 1.7	21.2
495127 2011 WB_{80}	18.3	X	209.32152	272.34849	66.06935	7.22570	0.1665984	0.27825101	2.3236901	20	3 5.7	22.0
495128 2011 WL_{122}	18.6	X	236.21806	336.71857	0.76956	3.03524	0.1447120	0.28747125	2.2737346	20	3 26.5	21.9
495129 2011 WK_{150}	17.3	X	119.11159	308.40940	114.11309	8.78899	0.1006433	0.26974556	2.3722831	20	3 15.5	20.5
495130 2011 YU_{8}	18.3	X	105.27020	211.20933	222.37034	2.67700	0.0525711	0.26697148	2.3886882	20	2 28.7	21.3
495131 2011 YP_{26}	17.0	X	319.20125	36.70743	130.98350	14.28795	0.2007476	0.23146078	2.6271474	20	—	—
495132 2011 YE_{44}	17.2	X	289.25175	271.66837	267.31023	7.92549	0.1068074	0.22972770	2.6403438	20	—	—
495133 2011 YL_{68}	17.5	X	326.94559	82.37383	102.75617	9.12030	0.1737369	0.23896541	2.5718523	20	—	—
495134 2012 BS_{4}	17.0	X	44.03304	318.43247	107.77434	12.66393	0.1306904	0.23392519	2.6086635	20	—	—
495135 2012 BX_{10}	17.4	X	314.14659	1.25103	148.39969	14.35301	0.1578341	0.22121463	2.7076560	20	—	—
495136 2012 BX_{17}	17.1	X	47.66691	2.10909	73.84444	7.58460	0.2042520	0.23932146	2.5693008	20	—	—
495137 2012 BY_{22}	16.8	X	283.28085	238.37778	305.79407	11.70066	0.2176995	0.22463905	2.6800684	20	—	—
495138 2012 BC_{25}	16.5	X	280.89833	261.78362	282.43405	11.10690	0.2099118	0.22380362	2.6867338	20	—	—
495139 2012 BT_{25}	16.6	X	299.83210	24.20263	113.47454	14.63691	0.0635555	0.22347975	2.6893290	20	—	—
495140 2012 BH_{66}	17.1	X	10.92469	334.79896	135.34509	15.67062	0.0489694	0.23598569	2.5934563	20	—	—
495141 2012 BF_{118}	16.3	X	322.64495	15.80623	132.64229	14.97520	0.0283680	0.23003074	2.6380243	20	—	—
495142 2012 CW_{22}	16.9	X	253.09878	84.98405	159.26641	11.87499	0.1382795	0.23095432	2.6309867	20	—	—
495143 2012 CX_{53}	17.9	X	20.30352	214.54186	0.58793	2.08685	0.1370382	0.26288594	2.4133731	20	5 17.6	20.1
495144 2012 DJ_{17}	16.8	X	336.91456	350.33377	149.50245	14.50328	0.1900855	0.22491743	2.6778565	20	—	—
495145 2012 DC_{34}	17.3	X	85.24760	250.64237	147.78772	14.44723	0.1634188	0.23486950	2.6016665	20	1 7.0	20.5
495146 2012 DK_{39}	16.4	X	204.70853	347.39830	283.65677	8.32918	0.1503211	0.22060015	2.7126818	20	—	—
495147 2012 DC_{48}	17.5	X	32.62663	291.29185	163.98272	11.77028	0.1594711	0.23445957	2.6046982	20	—	—
495148 2012 DN_{75}	16.9	X	50.08834	270.30094	162.38162	22.12606	0.0468660	0.22864760	2.6486523	20	—	—
495149 2012 DC_{76}	16.9	X	16.63480	41.72565	49.96906	13.97606	0.2335355	0.23201496	2.6229624	20	—	—
495150 2012 DP_{76}	16.7	X	14.06374	9.79265	126.13926	15.56974	0.0388347	0.23602323	2.5931813	20	1 17.7	19.9
495151 2012 DF_{88}	16.7	X	246.19774	103.14704	156.19565	15.44815	0.1027110	0.23201296	2.6229774	20	1 6.9	20.9
495152 2012 DG_{93}	17.5	X	308.36434	342.58587	177.17984	2.56098	0.1081033	0.22343197	2.6897124	20	—	—
495153 2012 FY	19.2	X	265.58875	244.30602	178.02753	20.03657	0.1043826	0.41620801	1.7766250	20	10 7.8	19.9
495154 2012 FF_{29}	17.3	X	303.39983	120.29048	27.85333	8.09883	0.1645955	0.21381572	2.7697653	20	—	—
495155 2012 FD_{40}	17.1	X	213.28026	300.02892	302.64079	6.31046	0.2587142	0.20328218	2.8646386	20	—	—
495156 2012 FG_{42}	17.0	X	304.72638	143.51382	17.68725	5.05328	0.0946857	0.21541848	2.7560097	20	—	—
495157 2012 FO_{47}	17.4	X	281.27183	140.05792	41.60620	4.38785	0.0312969	0.21545950	2.7556599	20	—	—
495158 2012 FZ_{60}	17.0	X	251.64995	53.44010	167.24651	10.30306	0.0456510	0.21358496	2.7717599	20	—	—
495159 2012 FP_{63}	16.5	X	247.72681	313.10841	355.00600	3.22749	0.1638396	0.23245532	2.6196487	20	3 4.1	20.4
495160 2012 FV_{73}	16.8	X	69.29019	240.51214	196.38937	21.59881	0.0727415	0.23008403	2.6376170	20	1 18.7	20.6
495161 2012 FY_{78}	16.8	X	300.47399	173.40089	32.47949	14.58642	0.1414704	0.22679229	2.6630778	20	—	—
495162 2012 GF_{2}	18.6	X	28.20503	276.79110	17.24563	20.65699	0.1097556	0.40064351	1.8223452	20	10 23.2	20.1
495163 2012 GY_{2}	16.6	X	273.03302	19.66297	195.99420	13.82680	0.1134653	0.21741348	2.7391242	20	—	—
495164 2012 GL_{4}	16.8	X	267.34229	141.11657	64.93358	3.66452	0.1147352	0.21172629	2.7879578	20	—	—
495165 2012 GB_{27}	16.3	X	190.82119	335.98360	229.85228	17.19096	0.1990854	0.18373847	3.0643332	20	11 17.5	21.2
495166 2012 HH_{13}	16.4	X	203.16892	162.49389	100.04146	14.17328	0.1015783	0.19880368	2.9075003	20	—	—
495167 2012 HO_{27}	17.2	X	330.27907	200.62068	36.77470	18.41060	0.1816753	0.23710221	2.5853081	20	3 20.6	20.4
495168 2012 HC_{34}	20.3	X	24.92942	274.99609	45.15632	36.32527	0.3925690	0.39084861	1.8526654	20	—	—
495169 2012 HO_{67}	17.1	X	176.31751	219.17370	75.73923	10.91115	0.2215626	0.19708056	2.9244230	20	—	—
495170 2012 HP_{73}	16.9	X	186.63628	93.96240	161.81681	7.79016	0.1660274	0.19081592	2.9880852	20	—	—
495171 2012 JS_{4}	18.0	X	150.65801	51.27359	89.14492	24.35384	0.0486798	0.39018833	1.8547549	20	8 20.1	20.5
495172 2012 JK_{26}	16.5	X	324.55459	1.98278	188.28464	28.30037	0.1486272	0.22031005	2.7150626	20	1 4.7	20.7
495173 2012 KF_{44}	16.1	X	125.40930	229.88642	92.54925	13.13555	0.1634313	0.18500537	3.0503276	20	—	—
495174 2012 LV_{21}	18.5	X	4.58872	80.83762	234.30480	20.53170	0.0594826	0.38947702	1.8570125	20	10 3.6	20.4
495175 2012 MH	16.0	X	160.32178	140.57667	120.42309	18.14574	0.1795591	0.17886360	3.1197615	20	12 26.1	21.4
495176 2012 MA_{2}	17.4	X	223.54522	324.10319	97.49615	24.37533	0.1001716	0.37951950	1.8893539	20	7 14.8	19.4
495177 2012 MP_{2}	18.1	X	135.90944	33.77360	126.02371	26.78957	0.1156158	0.38240112	1.8798504	20	8 26.2	20.5
495178 2012 MZ_{5}	16.0	X	87.49990	113.61357	238.00567	25.28946	0.2569622	0.17375208	3.1806511	20	—	—
495179 2012 MN_{11}	16.2	X	175.34825	338.40688	292.49835	8.46737	0.2611446	0.18153036	3.0891325	20	—	—
495180 2012 OS_{2}	18.1	X	357.33680	235.11478	94.29659	24.10415	0.1098667	0.38375326	1.8754320	20	11 12.0	20.2
495181 Rogerwaters	16.5	X	280.14789	16.95739	357.29312	14.97350	0.2790997	0.22971386	2.6404498	20	6 16.5	20.5
495182 2012 SX_{10}	15.8	X	183.58951	16.38066	340.47800	8.91877	0.3604615	0.18945858	3.0023400	20	3 10.5	21.6
495183 2012 TY_{20}	17.1	X	156.43951	104.10614	196.86622	24.64825	0.3112255	0.17067820	3.2187260	20	—	—
495184 2012 TF_{73}	16.5	X	208.84467	73.03981	202.39445	16.40173	0.3206865	0.18194202	3.0844711	20	—	—
495185 2012 UO_{135}	18.1	X	246.85036	188.02259	210.41848	21.84091	0.1002940	0.34657126	2.0072787	20	7 5.1	21.0
495186 2012 VR_{49}	17.4	X	300.35348	279.14928	61.49042	4.79783	0.1107224	0.22207412	2.7006652	20	6 27.6	20.7
495187 2012 VO_{76}	21.1	X	159.54259	297.36616	229.48492	36.94963	0.2151309	0.74563531	1.2044397	20	12 24.7	21.8
495188 2012 VM_{106}	18.1	X	320.97351	296.52090	61.40691	22.83743	0.0922118	0.35644606	1.9700330	20	10 11.4	20.2
495189 2012 VR_{113}	6.6	X	43.73577	219.96235	120.86245	19.29306	0.1741996	0.00299086	47.7096017	20	11 9.9	22.9
495190 2012 VS_{113}	7.1	X	8.68479	219.59893	171.53269	26.76953	0.3087078	0.00241753	54.9821851	20	11 14.5	23.0
495191 2012 XX_{6}	17.4	X	352.87939	60.88615	261.64953	17.94182	0.0686584	0.35466482	1.9766236	20	9 11.0	19.7
495192 2012 XV_{109}	18.0	X	84.47444	198.66772	269.04708	2.76517	0.1044587	0.30346405	2.1931309	20	3 21.2	20.4
495193 2013 AC_{77}	17.4	X	339.43753	199.87259	259.58519	10.53210	0.1047822	0.25514924	2.4619158	20	—	—
495194 2013 BH	14.3	X	227.83261	34.78749	77.08414	8.38396	0.0684757	0.08345436	5.1860499	20	9 7.8	21.4
495195 2013 BX_{22}	17.0	X	348.09689	252.08460	251.43475	20.76423	0.3073094	0.26690586	2.3890797	20	—	—
495196 2013 CX_{15}	18.8	X	336.89326	55.58999	118.61742	2.93681	0.1544575	0.26926583	2.3750999	20	—	—
495197 2013 CC_{17}	18.5	X	40.07080	255.77792	231.98741	3.03063	0.1333375	0.27890755	2.3200421	20	2 7.5	20.6
495198 2013 CL_{18}	17.7	X	9.81528	76.39532	58.18489	3.07390	0.1442504	0.26781806	2.3836518	20	—	—
495199 2013 CF_{21}	17.7	X	264.52157	72.31797	158.62612	1.90627	0.1573872	0.26204152	2.4185550	20	—	—
495200 2013 CN_{27}	18.5	X	353.69928	358.42960	163.04032	5.33464	0.1773165	0.27694672	2.3309801	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495201 2013 CP_{34}	17.9	X	359.86272	28.59468	122.52839	4.74663	0.1516856	0.26755311	2.3852251	20	—	—
495202 2013 CG_{48}	17.4	X	87.17232	344.10210	119.95517	5.76168	0.0411546	0.28152448	2.3056423	20	3 16.7	20.1
495203 2013 CW_{53}	17.9	X	345.62880	292.73069	317.74402	5.95022	0.0469298	0.30059031	2.2070867	20	5 4.3	20.3
495204 2013 CA_{67}	17.8	X	350.57703	246.01117	299.78721	6.02558	0.0772876	0.27909502	2.3190031	20	2 7.3	20.3
495205 2013 CU_{80}	17.8	X	338.30457	7.72614	204.69289	6.47860	0.1557275	0.28214401	2.3022659	20	2 11.9	20.2
495206 2013 CM_{88}	17.9	X	227.19639	13.25567	162.22088	23.54023	0.0591606	0.36939500	1.9237208	20	—	—
495207 2013 CR_{116}	17.8	X	57.71665	348.10259	111.30408	5.14014	0.0709225	0.27380220	2.3487931	20	1 27.7	20.2
495208 2013 CC_{120}	18.2	X	67.49032	34.46560	79.20313	9.00048	0.1122607	0.28889738	2.2662456	20	3 12.4	20.7
495209 2013 CB_{143}	17.6	X	285.91491	314.70315	319.31918	9.04881	0.2124092	0.28004221	2.3137711	20	2 18.0	20.9
495210 2013 CM_{148}	17.8	X	345.64984	88.23730	92.42490	2.94539	0.1042276	0.27296310	2.3536042	20	1 22.1	20.1
495211 2013 CP_{180}	18.3	X	18.08762	338.04050	174.77102	8.74001	0.1282739	0.27863944	2.3215301	20	2 1.3	20.4
495212 2013 CX_{185}	17.6	X	299.33593	59.69919	189.82359	5.04149	0.1168537	0.28026797	2.3125284	20	2 14.0	20.5
495213 2013 CA_{192}	17.0	X	308.52701	19.80623	223.77203	12.15376	0.1579307	0.27749691	2.3278980	20	2 8.6	20.3
495214 2013 CB_{209}	17.6	X	337.28542	284.43329	233.75437	4.33071	0.1704613	0.26313157	2.4118710	20	—	—
495215 2013 EN_{5}	18.8	X	329.72533	5.07623	180.64331	2.35727	0.1144400	0.26834242	2.3805455	20	1 3.8	21.5
495216 2013 ET_{12}	18.1	X	276.48717	257.22891	4.08473	7.20427	0.1135788	0.27202603	2.3590062	20	2 7.3	21.4
495217 2013 EO_{14}	18.1	X	319.79898	28.27680	161.72805	5.00462	0.1144109	0.26584244	2.3954467	20	—	—
495218 2013 EJ_{17}	18.0	X	109.23689	262.80879	160.22163	6.46628	0.0856485	0.27867222	2.3213481	20	2 24.4	20.7
495219 2013 FO_{12}	17.6	X	280.63132	233.83174	14.96155	4.01955	0.1385531	0.26308205	2.4121737	20	1 23.9	20.9
495220 2013 FL_{13}	17.8	X	51.42311	15.02994	100.58648	4.87573	0.1005931	0.27249702	2.3562871	20	2 13.1	20.1
495221 2013 FV_{22}	17.9	X	73.14651	290.31177	182.16955	4.22637	0.0997456	0.27789074	2.3256981	20	3 13.6	20.2
495222 2013 GU_{38}	20.6	X	164.26145	65.97406	206.89936	17.85720	0.2731839	0.49645383	1.5796110	20	—	—
495223 2013 GN_{47}	18.0	X	286.27810	223.23049	39.33544	1.73859	0.1620959	0.26911035	2.3760147	20	2 12.8	21.1
495224 2013 GF_{52}	17.3	X	225.02501	167.20141	74.30538	15.08341	0.1168619	0.23263848	2.6182735	20	—	—
495225 2013 GD_{59}	17.5	X	296.36465	126.85823	24.45341	7.86532	0.1667368	0.23915870	2.5704664	20	—	—
495226 2013 GP_{86}	17.1	X	285.70581	152.72684	85.06872	10.38323	0.0509348	0.25699258	2.4501292	20	1 28.3	20.4
495227 2013 GL_{89}	17.5	X	274.55163	127.41412	67.91102	12.63448	0.1198031	0.24042948	2.5614010	20	—	—
495228 2013 GA_{101}	17.4	X	283.60365	170.49678	56.00325	8.32698	0.1114382	0.25215261	2.4813826	20	1 3.0	20.9
495229 2013 GJ_{130}	17.3	X	320.84189	93.77877	173.32497	6.94872	0.1011993	0.27955951	2.3164337	20	4 16.9	19.7
495230 2013 GU_{135}	17.9	X	269.48329	126.54218	73.80550	3.31399	0.1163538	0.23817588	2.5775328	20	—	—
495231 2013 HR_{4}	17.5	X	67.64248	6.22461	98.90668	7.37586	0.0675713	0.27008549	2.3702922	20	2 23.4	20.2
495232 2013 HS_{12}	17.8	X	311.89857	94.64836	124.43718	4.15541	0.0901994	0.26223417	2.4173704	20	1 29.3	20.8
495233 2013 HS_{56}	18.0	X	341.57102	310.66923	229.46047	6.13165	0.1323312	0.26275098	2.4141995	20	1 11.2	20.9
495234 2013 HP_{75}	18.2	X	216.80647	331.42871	355.39168	2.77518	0.1905370	0.25976732	2.4326504	20	2 24.9	22.1
495235 2013 HX_{81}	16.2	X	202.05146	245.34126	216.03207	12.67009	0.2397109	0.18487586	3.0517521	20	7 21.4	21.6
495236 2013 HJ_{114}	18.9	X	292.28864	0.63419	220.40532	1.90587	0.1466545	0.25448722	2.4661836	20	—	—
495237 2013 JY_{12}	16.9	X	210.94488	79.64914	233.48290	25.49558	0.3452665	0.23719583	2.5846278	20	1 26.7	22.4
495238 2013 JB_{26}	17.4	X	245.05929	18.61904	190.27621	13.46316	0.1562511	0.22703762	2.6611590	20	—	—
495239 2013 JS_{31}	18.2	X	277.87260	91.78242	199.01193	0.99361	0.1758608	0.26369357	2.4084429	20	3 8.6	21.6
495240 2013 JU_{35}	17.3	X	250.86582	122.15352	90.66981	11.89110	0.1712837	0.22937345	2.6430616	20	—	—
495241 2013 JT_{37}	16.8	X	272.97693	90.48421	101.33999	30.04478	0.2572070	0.23789444	2.5795653	20	—	—
495242 2013 JE_{46}	17.3	X	192.78965	144.76281	183.29141	10.41997	0.0933491	0.24291162	2.5439224	20	2 2.6	21.2
495243 2013 JO_{55}	17.5	X	275.88825	29.28479	182.59194	5.05239	0.0823264	0.23851552	2.5750853	20	—	—
495244 2013 KP_{14}	17.5	X	227.71564	204.30771	58.11707	10.37724	0.1481923	0.23824343	2.5770455	20	—	—
495245 2013 LM_{6}	16.4	X	291.50289	326.89748	231.85366	14.73730	0.1031034	0.24052797	2.5607017	20	—	—
495246 2013 LU_{14}	16.2	X	2.88537	357.22058	100.29631	22.90071	0.0264827	0.22621360	2.6676176	20	—	—
495247 2013 LR_{24}	16.9	X	162.18620	116.28853	212.17058	11.07711	0.2486655	0.22399942	2.6851679	20	1 16.4	21.6
495248 2013 LA_{25}	16.3	X	131.53016	140.12721	235.66915	31.19118	0.1783298	0.23222062	2.6214134	20	1 27.6	20.9
495249 2013 LE_{26}	17.4	X	323.09377	85.43924	91.19110	6.44916	0.1121914	0.24185706	2.5513118	20	—	—
495250 2013 LY_{27}	16.8	X	274.17376	92.40808	139.46390	25.65562	0.1788173	0.24404575	2.5360349	20	—	—
495251 2013 NH	16.8	X	171.52109	280.74211	92.31850	12.75829	0.3389948	0.24141285	2.5544405	20	3 26.2	21.8
495252 2013 OS	16.0	X	225.89045	254.41571	282.09637	12.30437	0.0842722	0.17660261	3.1463327	20	11 26.2	20.8
495253 Hanszimmer	17.3	X	330.51727	113.48098	156.19359	8.66368	0.2430324	0.26444169	2.4038984	20	4 17.9	19.5
495254 2013 PG_{2}	17.2	X	216.70147	170.24535	154.42681	12.02823	0.2283031	0.23406482	2.6076259	20	2 22.9	21.6
495255 2013 PE_{16}	17.0	X	231.32430	123.77192	154.33942	13.22950	0.2453836	0.22391107	2.6858742	20	1 11.0	21.9
495256 2013 PW_{19}	17.1	X	233.35130	335.22560	337.18318	7.48712	0.2432744	0.23278401	2.6171822	20	2 21.3	21.4
495257 2013 PU_{25}	16.3	X	130.80538	14.73038	317.67651	9.88933	0.1181338	0.19522366	2.9429378	20	—	—
495258 2013 PC_{27}	16.5	X	52.37768	72.33622	302.15483	6.80516	0.0930383	0.17810666	3.1285944	20	—	—
495259 2013 PT_{32}	16.1	X	99.07100	159.12576	175.11880	20.21010	0.0896632	0.18180558	3.0860141	20	—	—
495260 2013 PO_{38}	16.1	X	47.34822	24.22344	12.71833	8.63968	0.1171872	0.19010522	2.9955278	20	—	—
495261 2013 PW_{61}	17.3	X	178.20807	161.19610	162.12445	14.35242	0.1682524	0.21771692	2.7365786	20	1 20.9	22.0
495262 2013 PT_{62}	16.9	X	159.64883	78.92501	229.18321	4.92862	0.0566317	0.20399589	2.8579531	20	—	—
495263 2013 PB_{72}	16.0	X	48.16519	35.53611	348.12210	9.02914	0.1186126	0.17756023	3.1350099	20	—	—
495264 2013 QE	16.1	X	354.58833	124.57545	305.49452	12.79147	0.0760271	0.18280123	3.0747983	20	—	—
495265 2013 QJ_{2}	17.3	X	181.64969	133.23148	165.44912	13.92234	0.2007868	0.21157151	2.7893173	20	—	—
495266 2013 QD_{4}	18.0	X	198.04040	41.68540	263.24205	0.91117	0.2059222	0.21842975	2.7306216	20	1 18.2	22.7
495267 2013 QM_{14}	16.2	X	263.12813	172.85821	334.99516	11.01183	0.0440268	0.17074044	3.2179438	20	12 10.7	20.8
495268 2013 QC_{27}	17.1	X	264.56199	114.36132	164.82891	13.09365	0.1465244	0.23396227	2.6083878	20	2 14.1	21.0
495269 2013 QT_{31}	16.9	X	119.26974	129.38613	177.85591	14.05542	0.0438014	0.17944419	3.1130286	20	—	—
495270 2013 QN_{34}	16.4	X	68.48617	239.94301	157.62894	20.17927	0.2332337	0.18008722	3.1056138	20	1 2.7	20.4
495271 2013 QZ_{38}	17.1	X	245.02193	344.67180	311.01166	6.71839	0.1717034	0.23358908	2.6111653	20	2 13.7	21.2
495272 2013 QE_{79}	17.2	X	157.40451	173.15268	160.79552	10.06532	0.2392515	0.20947765	2.8078738	20	1 21.2	22.1
495273 2013 QO_{90}	17.5	X	230.26963	95.23344	155.43644	2.71301	0.1588279	0.21187436	2.7866587	20	—	—
495274 2013 QV_{93}	17.4	X	216.08653	318.59238	21.93482	8.64755	0.2520445	0.23257449	2.6187537	20	3 14.3	22.0
495275 2013 RT_{7}	16.5	X	308.73864	297.96813	180.29282	8.92809	0.1106877	0.17723542	3.1388390	20	—	—
495276 2013 RQ_{17}	17.2	X	120.38263	57.40372	277.19328	4.15286	0.1573960	0.19454700	2.9497578	20	—	—
495277 2013 RR_{27}	15.6	X	149.47972	252.22288	17.64985	25.07090	0.2028729	0.17422666	3.1748726	20	12 24.5	21.4
495278 2013 RD_{32}	18.4	X	223.69801	85.96773	170.13125	11.57557	0.5209815	0.22102163	2.7092320	20	—	—
495279 2013 RV_{38}	16.5	X	76.66270	177.10642	175.01947	10.71211	0.0833931	0.17535466	3.1612427	20	—	—
495280 2013 RD_{45}	15.4	X	5.33252	229.10005	205.24898	16.48287	0.1132075	0.17330578	3.1861095	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495281 2013 RU_{50}	16.7	X	169.12314	60.72311	329.18878	7.13243	0.1790146	0.22535752	2.6743691	20	3 30.5	21.2
495282 2013 RE_{51}	16.6	X	36.43349	18.14961	6.73665	0.60181	0.1640855	0.17152859	3.2080788	20	—	—
495283 2013 RS_{69}	16.7	X	152.43643	288.16105	1.76061	5.82259	0.0569522	0.18554469	3.0444138	20	—	—
495284 2013 RG_{79}	17.4	X	180.17812	106.41347	213.26779	1.84950	0.1765330	0.21109006	2.7935569	20	1 20.4	22.1
495285 2013 RM_{84}	16.3	X	64.86160	151.19286	219.58501	9.03292	0.1284742	0.17462250	3.1700728	20	—	—
495286 2013 RP_{92}	15.9	X	64.94964	181.99576	195.62826	17.43201	0.2052025	0.17581157	3.1557633	20	—	—
495287 2013 RW_{94}	15.5	X	50.82335	347.93224	40.56803	17.64400	0.2043287	0.17192167	3.2031871	20	—	—
495288 2013 SN_{27}	16.1	X	155.93218	335.41078	313.28476	10.51532	0.1256666	0.18429210	3.0581931	20	—	—
495289 2013 TS_{21}	16.4	X	148.49305	262.02028	25.05520	8.73393	0.0776865	0.17781077	3.1320643	20	—	—
495290 2013 TC_{35}	16.3	X	92.86826	71.21476	289.96610	6.22866	0.1936850	0.17754746	3.1351602	20	—	—
495291 2013 TK_{44}	17.0	X	216.78862	296.40112	16.14421	9.78605	0.1935075	0.21719691	2.7409448	20	2 14.8	21.7
495292 2013 TN_{97}	16.7	X	14.33574	42.62588	19.56424	1.01005	0.0902266	0.17524758	3.1625303	20	—	—
495293 2013 TO_{97}	16.7	X	89.47600	160.39999	183.83077	2.80528	0.0771840	0.17855908	3.1233076	20	—	—
495294 2013 TY_{118}	16.0	X	27.38547	151.19380	230.52473	9.60132	0.1244485	0.16069340	3.3507140	20	12 27.2	20.6
495295 2013 TX_{138}	16.2	X	129.40878	237.33084	82.95726	7.31520	0.1168296	0.17800046	3.1298388	20	—	—
495296 2013 TV_{148}	16.3	X	149.74005	99.32457	150.22243	9.91694	0.0554490	0.17472839	3.1687920	20	12 5.3	21.2
495297 2013 TJ_{159}	6.5	X	17.44071	174.02938	165.13469	4.80270	0.3217857	0.00252639	53.3911253	20	10 8.6	22.3
495298 2013 UU_{7}	15.4	X	100.15341	292.81739	62.77662	27.41588	0.1350312	0.17782377	3.1319117	20	—	—
495299 2013 VD_{6}	15.7	X	81.30225	268.65246	84.46544	16.95330	0.2268152	0.17118647	3.2123518	20	—	—
495300 2013 VO_{22}	15.9	X	102.24726	131.56885	225.48394	17.34824	0.0946331	0.17895888	3.1186542	20	—	—
495301 2013 WO_{7}	15.7	X	111.07727	274.16316	54.82690	16.42109	0.2278806	0.17188462	3.2036474	20	—	—
495302 2013 WW_{39}	15.4	X	190.63829	32.82974	258.16724	26.77550	0.1069366	0.17729473	3.1381389	20	—	—
495303 2013 WH_{59}	15.9	X	88.24700	333.34549	70.32252	13.06588	0.1262058	0.18187212	3.0852614	20	1 25.5	20.2
495304 2013 YC_{19}	18.1	X	278.56306	261.24705	88.08246	23.77261	0.0623158	0.38801250	1.8616823	20	6 19.6	19.6
495305 2013 YE_{97}	18.2	X	61.38579	106.69503	142.78103	22.93889	0.0770205	0.38276077	1.8786726	20	10 5.2	20.5
495306 2014 AW_{15}	18.0	X	50.46176	109.49823	81.43644	25.08216	0.0800300	0.35959457	1.9585168	20	6 1.7	19.5
495307 2014 AQ_{32}	19.2	X	318.50162	207.87474	154.06393	23.65093	0.0457556	0.40454079	1.8106222	20	10 14.0	20.9
495308 2014 AE_{33}	18.2	X	187.91815	301.44997	138.26336	23.35076	0.0999020	0.37594042	1.9013265	20	6 28.1	21.0
495309 2014 DU_{112}	18.1	X	1.76874	142.77674	162.09296	22.44221	0.0795420	0.37670781	1.8987435	20	9 19.3	19.4
495310 2014 EH	18.1	X	5.00967	157.93683	142.99876	23.65630	0.0620936	0.37576879	1.9019054	20	9 18.7	19.9
495311 2014 ED_{4}	17.8	X	237.08357	247.97531	150.15990	24.96987	0.1189174	0.36500812	1.9391037	20	6 26.3	20.7
495312 2014 EV_{24}	17.6	X	164.05062	295.35865	194.22596	23.20872	0.0894682	0.37200820	1.9147013	20	8 5.5	20.6
495313 2014 EW_{49}	18.2	X	129.33984	348.89486	170.16380	24.12925	0.0609414	0.37134219	1.9169900	20	8 7.1	20.8
495314 2014 FP_{10}	18.0	X	160.10577	291.59605	169.10027	23.14606	0.0699995	0.36510834	1.9387488	20	6 22.5	21.0
495315 2014 GH_{9}	18.2	X	231.05720	50.01631	158.94495	1.50353	0.1307659	0.27004905	2.3705054	20	—	—
495316 2014 GD_{45}	20.9	X	343.36835	239.13777	24.51038	7.22594	0.4693331	0.32243265	2.1062506	20	3 9.2	22.2
495317 2014 HL_{46}	17.7	X	356.49692	246.78494	91.17021	24.89352	0.1455262	0.37124270	1.9173325	20	11 23.6	19.6
495318 2014 HF_{128}	16.9	X	359.33139	85.38694	249.05794	3.39218	0.0773161	0.21228228	2.7830877	20	9 23.9	20.3
495319 2014 HB_{154}	17.0	X	341.84287	348.36260	16.02582	6.38385	0.0581658	0.21911071	2.7249612	20	10 9.5	20.2
495320 2014 HP_{181}	16.1	X	327.03956	184.15415	156.82845	10.86721	0.1240107	0.18961671	3.0006705	20	8 6.6	19.7
495321 2014 JJ_{53}	16.6	X	312.64291	259.40738	60.14454	13.27143	0.1388207	0.17383542	3.1796346	20	6 11.3	20.6
495322 2014 JF_{69}	17.2	X	85.26709	288.08498	339.66990	2.47620	0.0100981	0.21780863	2.7358104	20	10 16.8	21.0
495323 2014 JG_{78}	19.6	X	281.54556	198.15430	178.95412	17.92175	0.5631860	0.64726646	1.3235712	20	5 16.0	21.1
495324 2014 KR	17.7	X	210.26579	174.68992	91.98386	7.09039	0.0977268	0.27439585	2.3454042	20	—	—
495325 2014 KS_{2}	17.7	X	301.27097	119.76861	92.44445	5.72740	0.1216229	0.29469084	2.2364453	20	—	—
495326 2014 KE_{7}	16.6	X	295.12118	306.10502	39.18471	10.54451	0.0354044	0.18851435	3.0123570	20	7 6.3	20.9
495327 2014 KU_{24}	16.8	X	336.09668	204.59293	107.47683	4.57753	0.1771252	0.17794752	3.1304594	20	7 9.9	20.3
495328 2014 KP_{31}	16.8	X	95.81222	63.19987	183.81696	5.49915	0.1475908	0.21006677	2.8026217	20	10 18.6	21.0
495329 2014 KJ_{55}	18.2	X	284.83891	356.13225	253.42985	1.09421	0.1512727	0.29898259	2.2149918	20	1 21.6	21.3
495330 2014 KL_{88}	17.0	X	15.38507	235.21291	132.11653	15.06890	0.0986371	0.22343506	2.6896875	20	12 10.1	20.6
495331 2014 KF_{91}	19.1	X	337.53811	34.49400	233.02885	6.99050	0.4254668	0.31534600	2.1376889	20	3 7.3	20.9
495332 2014 LH_{8}	16.9	X	171.47581	135.13272	86.96585	12.85132	0.1198276	0.23492940	2.6012243	20	12 3.2	20.9
495333 2014 LU_{12}	17.2	X	180.07145	221.26059	86.06232	9.66401	0.1452329	0.26606239	2.3941263	20	—	—
495334 2014 LF_{27}	17.4	X	33.38792	3.09744	132.73608	25.57730	0.1779598	0.30100286	2.2050696	20	2 1.9	18.4
495335 2014 MA_{25}	17.9	X	213.99655	246.99703	105.72803	3.87282	0.2491649	0.28409900	2.2916920	20	3 23.9	21.8
495336 2014 ML_{31}	17.1	X	122.83791	298.56625	116.90485	6.93958	0.0779994	0.27173217	2.3607066	20	3 5.8	20.1
495337 2014 MT_{35}	17.9	X	41.57839	55.71309	102.97079	2.61357	0.0724616	0.30824772	2.1703818	20	3 24.1	19.8
495338 2014 ML_{37}	17.6	X	266.24396	330.62108	307.07239	6.76533	0.0992610	0.27704240	2.3304434	20	2 14.1	20.7
495339 2014 MK_{40}	18.3	X	257.35748	252.73442	50.99190	5.28236	0.1994966	0.28637852	2.2795148	20	3 2.7	21.8
495340 2014 NX_{11}	18.6	X	279.07752	216.40756	74.37416	2.48917	0.1774313	0.29701357	2.2247703	20	3 8.3	21.6
495341 2014 NJ_{24}	16.0	X	54.01300	124.81027	154.73617	12.66847	0.1087179	0.18593523	3.0401494	20	10 5.1	20.2
495342 2014 NN_{36}	16.2	X	316.10465	98.21698	42.24436	14.69923	0.0860497	0.23482061	2.6020276	20	—	—
495343 2014 NE_{37}	17.8	X	234.24380	116.21057	238.04362	4.76422	0.1931226	0.28957936	2.2626861	20	4 10.8	21.5
495344 2014 NW_{57}	16.0	X	18.25061	198.54753	118.52522	17.44129	0.0850333	0.17670352	3.1451346	20	10 3.3	20.4
495345 2014 NS_{59}	18.6	X	251.34383	355.88962	334.98173	2.27734	0.2453234	0.29041142	2.2583621	20	3 24.3	22.1
495346 2014 OU_{2}	18.1	X	279.33273	325.30642	300.53019	6.44346	0.0924854	0.28616104	2.2806696	20	2 13.4	21.0
495347 2014 OJ_{14}	17.9	X	190.52899	258.48378	131.24463	3.71049	0.1516876	0.29093151	2.2556699	20	4 19.9	21.4
495348 2014 OB_{39}	18.7	X	342.14798	139.45675	85.29987	2.87895	0.1205694	0.29654086	2.2271340	20	3 15.9	20.7
495349 2014 OO_{41}	17.6	X	65.77737	316.93487	84.72664	4.39910	0.1621415	0.23501677	2.6005796	20	—	—
495350 2014 OB_{42}	17.5	X	64.64920	281.56045	84.77002	5.27936	0.1020608	0.22191079	2.7019902	20	—	—
495351 2014 OB_{45}	18.1	X	212.18348	171.77193	175.65272	0.87380	0.1397503	0.28363497	2.2941908	20	3 15.9	21.5
495352 2014 OZ_{57}	17.3	X	169.29241	189.96034	81.41843	5.07212	0.0559552	0.23066272	2.6332036	20	—	—
495353 2014 ON_{59}	18.3	X	316.56476	114.28521	97.20961	7.07215	0.0634512	0.27409078	2.3471442	20	1 28.5	21.1
495354 2014 OD_{66}	18.6	X	333.78441	227.45523	356.92691	1.42088	0.1807304	0.29499662	2.2348996	20	2 18.3	20.8
495355 2014 OB_{72}	18.8	X	258.57493	196.10886	112.07758	4.60402	0.2048022	0.28668084	2.2779120	20	3 8.2	22.2
495356 2014 OL_{88}	17.4	X	139.77850	8.44190	254.70972	4.04405	0.0742295	0.21860868	2.7291314	20	12 18.2	21.3
495357 2014 OV_{88}	16.2	X	167.55740	295.35801	223.19926	3.53501	0.0841735	0.18340381	3.0680598	20	9 4.1	20.9
495358 2014 OP_{89}	17.4	X	57.42455	227.44132	151.27505	6.85759	0.1040329	0.22585749	2.6704209	20	—	—
495359 2014 OB_{91}	16.8	X	359.83481	210.96652	159.08394	9.60035	0.0549894	0.19667021	2.9284894	20	11 9.9	20.7
495360 2014 OA_{96}	17.8	X	273.09937	178.19490	137.05958	6.54894	0.2016141	0.29200059	2.2501608	20	4 2.1	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495361 2014 OT_{96}	18.0	X	249.07819	197.25701	151.62477	9.50347	0.1866225	0.29209838	2.2496586	20	4 23.7	21.4
495362 2014 OQ_{116}	18.9	X	249.22445	202.85556	120.05418	3.68987	0.2038174	0.29098658	2.2553853	20	3 17.6	22.3
495363 2014 OW_{150}	16.6	X	316.72128	206.19941	151.79205	1.96686	0.0818067	0.16786978	3.2545256	20	8 14.7	20.8
495364 2014 OJ_{165}	17.9	X	180.44239	254.84262	97.52462	8.83754	0.1182790	0.27098072	2.3650689	20	2 23.6	21.5
495365 2014 OQ_{182}	17.4	X	158.76024	288.57286	85.23569	7.53749	0.1462282	0.26280632	2.4138606	20	3 2.8	21.1
495366 2014 OF_{185}	17.5	X	219.66344	268.53260	78.65347	8.45787	0.1556455	0.28130891	2.3068201	20	3 27.3	21.1
495367 2014 OO_{191}	18.7	X	257.31405	180.69514	134.33669	4.93545	0.2519601	0.28263239	2.2996130	20	3 11.7	22.5
495368 2014 OQ_{194}	18.0	X	176.54043	253.09501	111.73988	2.42441	0.1981809	0.25890496	2.4380492	20	3 8.9	22.0
495369 2014 OF_{212}	16.0	X	34.38184	53.92921	252.32039	17.14122	0.2237027	0.18074786	3.0980418	20	10 21.9	20.2
495370 2014 OZ_{215}	18.0	X	193.29224	18.09907	336.67350	5.16253	0.1411535	0.27866558	2.3213850	20	3 6.8	21.5
495371 2014 OU_{231}	18.2	X	201.27998	12.58092	322.23176	2.04072	0.1834698	0.26288299	2.4133912	20	2 20.6	22.2
495372 2014 OC_{233}	17.0	X	82.74429	49.20744	334.52984	5.80817	0.0659759	0.22367879	2.6877333	20	—	—
495373 2014 OP_{237}	16.8	X	247.76326	253.21324	291.21894	10.43297	0.0194198	0.23033632	2.6356907	20	—	—
495374 2014 OC_{282}	15.9	X	12.76001	226.05495	95.59591	11.88555	0.1106825	0.17547747	3.1597676	20	10 2.5	20.1
495375 2014 OY_{303}	18.3	X	304.00659	189.92304	87.98535	3.63770	0.1158860	0.30064340	2.2068269	20	4 2.1	20.6
495376 2014 OZ_{333}	16.7	X	109.22544	233.91628	147.59883	12.72039	0.1250534	0.23265776	2.6181289	20	1 13.3	20.2
495377 2014 OA_{335}	17.3	X	92.32914	211.43666	99.34619	5.38272	0.0914418	0.21327330	2.7744595	20	12 25.9	21.5
495378 2014 OP_{339}	18.5	X	195.04154	299.66361	52.99151	2.07072	0.1888920	0.27439736	2.3453956	20	3 8.4	22.3
495379 2014 OH_{355}	18.7	X	298.26875	57.64641	248.00470	3.37385	0.1936490	0.30777600	2.1725989	20	4 17.2	21.1
495380 2014 OY_{364}	15.9	X	74.90761	125.12648	114.03469	8.15255	0.1392944	0.17137468	3.2099993	20	9 12.8	20.6
495381 2014 OJ_{377}	17.9	X	203.98808	242.75183	112.04945	5.66699	0.1378516	0.27916389	2.3186217	20	3 20.4	21.5
495382 2014 PK_{39}	17.3	X	124.68316	221.90954	182.53040	4.61078	0.1477074	0.25512405	2.4620778	20	3 1.7	20.8
495383 2014 QO_{98}	18.4	X	255.21960	48.35442	243.01648	3.93871	0.0999840	0.27719087	2.3296111	20	2 18.5	21.8
495384 2014 QX_{129}	18.3	X	263.18271	302.12883	337.13370	1.07119	0.1637788	0.27312932	2.3526491	20	2 8.3	21.8
495385 2014 QL_{144}	17.7	X	267.74774	258.56793	356.68292	14.32754	0.1155637	0.26200469	2.4187817	20	1 24.2	21.4
495386 2014 QK_{171}	18.0	X	284.23690	39.18118	248.29596	2.88269	0.1435872	0.28544542	2.2844798	20	3 12.6	20.9
495387 2014 QL_{174}	17.6	X	121.22089	242.33844	157.85873	2.44371	0.0561505	0.25390697	2.4699394	20	2 8.6	20.8
495388 2014 QL_{236}	18.1	X	265.14577	151.83106	151.24601	0.89220	0.1434380	0.28256136	2.2999984	20	3 13.1	21.0
495389 2014 QX_{243}	16.6	X	319.78186	51.04239	39.96774	10.65118	0.2220539	0.18957319	3.0011297	20	12 18.9	19.6
495390 2014 QE_{249}	17.3	X	255.62514	207.99119	123.22258	7.50786	0.2476683	0.28897181	2.2658565	20	4 1.6	20.9
495391 2014 QK_{250}	17.6	X	181.55882	276.92087	76.38367	7.32484	0.1246185	0.25945643	2.4345933	20	2 27.7	21.4
495392 2014 QE_{251}	16.9	X	86.43942	262.09740	139.63290	15.89472	0.1125189	0.23182266	2.6244127	20	1 6.8	20.2
495393 2014 QB_{255}	18.4	X	257.63592	216.95167	85.87908	6.93154	0.2449024	0.28014508	2.3132046	20	2 28.2	22.2
495394 2014 QF_{263}	16.9	X	246.63173	188.59446	17.37323	13.35710	0.1735137	0.22616332	2.6680129	20	—	—
495395 2014 QB_{268}	16.9	X	114.55860	212.03482	173.53049	13.51583	0.1401249	0.23224462	2.6212329	20	1 26.0	20.6
495396 2014 QW_{276}	17.6	X	198.21848	10.92725	325.15845	7.62561	0.2145045	0.26914122	2.3758330	20	2 19.2	21.6
495397 2014 QQ_{306}	17.1	X	116.39498	204.85078	164.27392	14.16851	0.1024431	0.23343019	2.6123500	20	1 3.4	20.8
495398 2014 QY_{310}	18.8	X	244.17977	14.89196	318.47795	0.53555	0.2749645	0.28414415	2.2914492	20	3 20.2	22.7
495399 2014 QV_{315}	18.4	X	246.07284	167.87540	148.26414	2.56305	0.1661790	0.28652119	2.2787581	20	3 7.9	21.8
495400 2014 QW_{331}	16.9	X	59.74867	293.26467	141.62805	8.26235	0.1181237	0.22619981	2.6677260	20	1 10.6	20.0
495401 2014 QO_{337}	17.4	X	132.93146	231.05148	156.33036	14.73172	0.1008181	0.26051939	2.4279665	20	2 11.3	20.6
495402 2014 QW_{353}	18.6	X	259.17500	146.10598	154.57491	4.67826	0.1691850	0.27768110	2.3268685	20	3 1.5	22.1
495403 2014 QC_{355}	17.8	X	67.08267	82.74775	335.97272	0.92299	0.0623180	0.23037936	2.6353623	20	—	—
495404 2014 QF_{359}	19.2	X	253.77688	134.56701	186.61465	2.31886	0.2520644	0.28334909	2.2957337	20	3 14.5	22.8
495405 2014 QG_{398}	16.8	X	141.35700	357.16255	355.12881	15.23137	0.1579581	0.23890350	2.5722966	20	1 23.3	20.8
495406 2014 QY_{401}	18.0	X	193.71644	305.02727	48.21137	3.38079	0.2138691	0.26803007	2.3823947	20	3 9.3	22.0
495407 2014 QH_{421}	17.2	X	106.90878	315.47254	91.03753	5.57675	0.2097943	0.23157890	2.6262540	20	2 26.7	20.8
495408 2014 QY_{437}	16.0	X	246.99092	99.66862	94.34468	10.73643	0.0348374	0.18970037	2.9997882	20	—	—
495409 2014 QQ_{438}	17.0	X	159.04103	275.36121	70.16836	6.51135	0.1344669	0.22886602	2.6469669	20	1 28.9	21.1
495410 2014 RO_{19}	17.2	X	186.83783	186.85618	149.93892	16.67605	0.1355401	0.26040562	2.4286736	20	2 8.5	21.0
495411 2014 RJ_{41}	17.0	X	140.15207	313.64217	75.30439	7.74328	0.1711501	0.25435826	2.4670171	20	3 6.5	20.7
495412 2014 RL_{47}	17.5	X	349.56193	16.77214	40.71300	1.65509	0.2785998	0.18250635	3.0781095	20	—	—
495413 2014 RG_{55}	18.0	X	219.14772	326.39246	11.44158	2.68533	0.2119923	0.27510517	2.3413709	20	3 9.7	21.9
495414 2014 SR_{115}	18.1	X	266.61233	78.97731	191.02181	2.07824	0.1920648	0.26527934	2.3988353	20	1 28.8	21.8
495415 2014 SP_{126}	17.2	X	339.03520	331.30698	191.80875	12.95529	0.1061994	0.23952799	2.5678237	20	—	—
495416 2014 SZ_{135}	17.7	X	195.69057	235.94731	100.85292	2.44987	0.1997096	0.25790418	2.4443523	20	2 19.9	21.8
495417 2014 SO_{143}	19.7	X	318.72583	99.03629	191.61218	1.85023	0.4156524	0.30866919	2.1684057	20	3 18.3	22.1
495418 2014 SM_{145}	18.0	X	239.35963	227.93568	96.86627	6.26891	0.1878484	0.27826490	2.3236128	20	3 14.5	21.7
495419 2014 SM_{148}	16.8	X	335.46922	53.62151	181.03751	15.08147	0.1292993	0.25543673	2.4600682	20	3 21.1	19.5
495420 2014 SM_{154}	17.6	X	312.12177	12.25386	254.73183	2.11239	0.1468400	0.28073301	2.3099738	20	3 22.8	20.0
495421 2014 SW_{154}	18.3	X	219.09582	117.52927	213.27202	6.10072	0.1993094	0.26571633	2.3962045	20	2 28.3	22.4
495422 2014 SS_{155}	17.7	X	278.69919	349.51700	292.73929	2.19332	0.2426578	0.27689184	2.3312881	20	2 18.4	21.3
495423 2014 SJ_{157}	17.2	X	192.72241	168.16444	195.40525	23.59022	0.2237448	0.26357939	2.4091384	20	3 18.1	21.5
495424 2014 SP_{168}	17.4	X	247.03858	31.68733	252.05365	14.71817	0.1521107	0.26665367	2.3905858	20	1 25.7	21.3
495425 2014 SP_{177}	18.0	X	260.07557	244.72156	81.35291	2.89680	0.2041306	0.28773021	2.2723702	20	4 1.4	21.2
495426 2014 SD_{207}	17.3	X	98.57735	288.57730	83.32849	6.02069	0.1751338	0.21199876	2.7855685	20	—	—
495427 2014 SL_{210}	16.6	X	26.76892	244.05482	169.75599	9.08127	0.0953989	0.18969777	2.9998157	20	—	—
495428 2014 SZ_{211}	16.9	X	166.06719	146.05904	176.12211	13.16752	0.1745551	0.22330347	2.6907441	20	1 8.7	21.4
495429 2014 SL_{214}	16.9	X	156.46032	180.07283	185.03654	7.77061	0.2039660	0.23717398	2.5847866	20	2 20.3	21.2
495430 2014 SD_{215}	16.0	X	359.17105	346.39378	85.77578	10.93886	0.0320362	0.18253558	3.0777809	20	—	—
495431 2014 SM_{215}	16.6	X	80.38456	334.93295	66.21077	18.49587	0.1255610	0.20979381	2.8050521	20	1 3.1	20.2
495432 2014 SC_{218}	16.9	X	163.19723	174.63268	164.54159	6.36468	0.0514308	0.22417165	2.6837925	20	1 16.4	20.7
495433 2014 SY_{219}	16.4	X	315.87825	349.06483	123.52012	19.50366	0.1595975	0.17878871	3.1206327	20	—	—
495434 2014 SJ_{242}	17.2	X	263.14697	170.91350	124.69435	7.05694	0.1164173	0.27465945	2.3439033	20	3 6.8	20.4
495435 2014 SC_{257}	16.8	X	60.26118	199.59942	208.47149	4.31977	0.0956120	0.21159704	2.7890930	20	—	—
495436 2014 SE_{280}	18.0	X	213.21294	236.47013	98.06455	2.47444	0.2015061	0.26241752	2.4162442	20	3 2.4	21.9
495437 2014 SG_{280}	17.1	X	67.60349	340.22105	52.73899	6.06490	0.0680110	0.21115542	2.7929805	20	—	—
495438 2014 SX_{290}	17.0	X	107.52883	7.14704	18.29674	6.40133	0.1680930	0.23095368	2.6309916	20	1 25.5	20.5
495439 2014 SD_{292}	17.6	X	184.31445	153.19588	214.42765	5.55172	0.1647458	0.25919698	2.4362177	20	3 15.3	21.5
495440 2014 SN_{294}	16.2	X	146.85191	30.19382	288.21248	11.17728	0.0484859	0.22969610	2.6405859	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495441 2014 SH_{296}	16.4	X	15.95601	221.75465	235.53592	11.50822	0.1368063	0.22421366	2.6834572	20	—	—
495442 2014 SV_{303}	16.8	X	220.02617	165.91053	132.74208	35.19154	0.1672454	0.24112139	2.5564986	20	1 26.8	21.0
495443 2014 SD_{329}	16.5	X	170.47086	307.44571	41.42610	13.74406	0.1752478	0.23768678	2.5810675	20	2 19.6	20.9
495444 2014 SU_{330}	16.8	X	123.27713	175.22548	215.50745	21.48429	0.0357146	0.23458758	2.6037505	20	1 23.7	20.8
495445 2014 SD_{336}	17.0	X	66.98490	6.31983	46.07319	6.32784	0.0387814	0.21872069	2.7281996	20	—	—
495446 2014 SH_{338}	17.4	X	201.06515	182.58869	105.52825	3.76627	0.0394096	0.22604184	2.6689688	20	—	—
495447 2014 TY_{5}	18.0	X	216.85050	172.60006	174.67881	1.98503	0.1965654	0.26668834	2.3903787	20	3 19.9	22.0
495448 2014 TJ_{7}	16.9	X	105.39052	187.22485	187.54891	5.87190	0.0451676	0.21905773	2.7254004	20	—	—
495449 2014 TP_{7}	16.8	X	98.74505	185.08707	148.32263	2.61103	0.0962200	0.19894826	2.9060915	20	—	—
495450 2014 TJ_{8}	16.8	X	118.92008	26.30721	3.79249	6.21365	0.1514455	0.23438514	2.6052496	20	2 11.4	20.4
495451 2014 TP_{11}	16.2	X	284.60809	321.04148	216.51309	12.09202	0.0875883	0.21054591	2.7983681	20	—	—
495452 2014 TL_{20}	16.5	X	72.34722	134.97630	197.81296	9.23000	0.0946062	0.18765642	3.0215314	20	12 25.0	21.1
495453 2014 TE_{21}	17.9	X	172.78175	233.68279	182.61069	2.35500	0.1837618	0.26873136	2.3782481	20	5 7.7	21.7
495454 2014 TB_{22}	17.1	X	154.01322	297.21855	50.04961	4.35929	0.1361178	0.23343000	2.6123514	20	1 25.1	21.0
495455 2014 TM_{23}	17.3	X	156.84464	146.39605	202.74466	10.30215	0.0864297	0.23608898	2.5926998	20	1 21.4	21.3
495456 2014 TK_{30}	17.3	X	93.08689	264.39930	139.93697	4.70922	0.1575563	0.22585270	2.6704587	20	1 27.4	20.6
495457 2014 TR_{38}	16.5	X	53.63988	39.52691	25.14491	22.26725	0.0100923	0.22265187	2.6959913	20	—	—
495458 2014 TY_{40}	16.5	X	94.25654	281.31799	107.24918	15.50664	0.1570015	0.22031974	2.7149830	20	1 9.9	19.9
495459 2014 TO_{44}	16.8	X	170.99038	277.76491	35.94256	15.17944	0.1414529	0.22690584	2.6621893	20	1 1.9	21.2
495460 2014 TO_{45}	17.2	X	58.59990	219.47742	215.67351	4.32947	0.0943427	0.22028784	2.7152451	20	1 8.1	20.5
495461 2014 TE_{46}	17.0	X	162.80175	100.71664	213.83541	12.07447	0.1912657	0.22644986	2.6657618	20	—	—
495462 2014 TL_{47}	16.8	X	260.30218	228.42849	17.72074	4.10465	0.2197021	0.23734954	2.5835118	20	—	—
495463 2014 TE_{61}	17.5	X	173.09162	67.22884	240.02459	5.27113	0.0527302	0.22250324	2.6971917	20	—	—
495464 2014 TK_{63}	16.3	X	185.60646	44.90421	282.58900	9.11667	0.1730639	0.23763118	2.5814701	20	1 29.9	20.6
495465 2014 TX_{68}	17.3	X	192.36766	148.81090	176.23041	3.03637	0.1321527	0.23917469	2.5703518	20	2 1.6	21.2
495466 2014 TJ_{73}	16.4	X	151.63738	274.58653	74.04145	7.17814	0.0306229	0.22488131	2.6781433	20	1 13.7	20.1
495467 2014 TU_{73}	17.5	X	113.25462	202.94750	174.94484	5.50677	0.1410241	0.22193783	2.7017708	20	1 17.7	21.2
495468 2014 TB_{74}	17.0	X	157.13957	214.44706	141.95029	3.99327	0.2268128	0.23841772	2.5757895	20	2 13.7	21.1
495469 2014 TE_{75}	17.0	X	110.66205	224.61886	155.83661	4.30644	0.1008086	0.21920698	2.7241632	20	1 12.8	20.6
495470 2014 TM_{82}	17.4	X	204.29586	261.28772	130.06202	6.39084	0.1422256	0.27518658	2.3409091	20	5 7.2	21.0
495471 2014 UO_{6}	17.1	X	123.82116	224.49259	135.05543	4.41269	0.1105141	0.21666246	2.7454504	20	1 5.0	20.8
495472 2014 UO_{17}	16.8	X	135.58488	189.09899	146.58091	10.28530	0.1078500	0.21845757	2.7303897	20	—	—
495473 2014 UU_{17}	16.4	X	312.82068	246.05484	226.18140	7.77946	0.1266060	0.18088473	3.0964788	20	—	—
495474 2014 UT_{20}	16.6	X	146.55705	304.34101	41.86607	17.11683	0.0643688	0.22846603	2.6500554	20	1 8.7	20.6
495475 2014 UG_{22}	17.1	X	147.50438	247.48878	124.82927	4.50191	0.3034044	0.23923081	2.5699498	20	3 2.1	21.4
495476 2014 UK_{25}	15.9	X	338.51804	7.27978	76.82884	11.33324	0.0668201	0.17623640	3.1506898	20	—	—
495477 2014 UL_{25}	15.7	X	15.91710	221.27127	213.43283	9.85939	0.0801930	0.19033150	2.9931531	20	—	—
495478 2014 UH_{26}	17.5	X	63.92098	260.02018	208.73180	11.54296	0.1229469	0.23943295	2.5685032	20	2 27.2	20.6
495479 2014 UN_{31}	17.4	X	189.50838	95.36140	229.84099	6.74743	0.2780547	0.24294072	2.5437193	20	2 1.3	22.0
495480 2014 UV_{31}	16.7	X	30.07300	231.04781	216.32883	10.91177	0.0758062	0.21010703	2.8022637	20	—	—
495481 2014 UW_{45}	16.9	X	127.41394	123.05553	224.90149	5.40308	0.0974874	0.21470036	2.7621518	20	—	—
495482 2014 UF_{54}	16.4	X	17.74223	9.78037	44.26848	10.96580	0.0947735	0.18733565	3.0249794	20	—	—
495483 2014 UU_{55}	17.0	X	214.45354	115.70215	193.31467	8.12877	0.1659085	0.23955198	2.5676522	20	2 1.1	21.2
495484 2014 UM_{83}	16.4	X	55.00933	104.39031	229.80443	12.17513	0.1908313	0.17415633	3.1757273	20	12 16.8	21.2
495485 2014 UE_{85}	17.3	X	170.18923	308.93570	46.85303	2.52480	0.1540625	0.23962540	2.5671278	20	2 20.8	21.4
495486 2014 US_{88}	17.0	X	60.59943	258.20772	137.05364	2.82527	0.0817854	0.20121328	2.8842415	20	—	—
495487 2014 UC_{89}	17.5	X	188.53954	61.39994	218.29860	5.89476	0.0244235	0.21520985	2.7577906	20	—	—
495488 2014 UU_{98}	16.4	X	313.45053	18.15569	78.12699	11.95748	0.1021393	0.17378868	3.1802045	20	12 12.6	20.3
495489 2014 UE_{99}	16.5	X	44.89580	167.25221	223.83808	10.30342	0.1023297	0.18850162	3.0124926	20	—	—
495490 2014 UZ_{102}	17.3	X	76.20267	288.79160	126.25916	4.40659	0.0800732	0.21971301	2.7199789	20	1 7.4	20.7
495491 2014 UD_{104}	17.7	X	230.66388	215.34353	118.66023	5.11812	0.2186583	0.27383645	2.3485972	20	3 15.9	21.5
495492 2014 US_{105}	16.7	X	191.13821	253.61643	35.48715	11.58909	0.0362140	0.21411223	2.7672075	20	—	—
495493 2014 UB_{110}	16.5	X	339.21862	199.80118	227.67003	15.49087	0.1854631	0.17823593	3.1270816	20	12 21.1	20.1
495494 2014 UO_{126}	17.3	X	174.74190	153.70043	158.87115	4.62105	0.0894030	0.21745034	2.7388147	20	1 1.4	21.5
495495 2014 UF_{136}	17.3	X	165.65450	107.48934	231.70569	5.05481	0.0780226	0.22852453	2.6496032	20	1 20.4	21.3
495496 2014 UD_{137}	16.7	X	64.65758	343.03647	57.18648	10.57172	0.0925829	0.20152447	2.8812716	20	—	—
495497 2014 UD_{139}	17.2	X	129.57604	91.81201	271.95462	5.24157	0.0715447	0.22520781	2.6755542	20	1 10.2	20.9
495498 2014 UW_{153}	17.1	X	214.22627	254.78599	89.93951	6.20004	0.2204413	0.26711538	2.3878302	20	3 17.1	21.2
495499 2014 UQ_{158}	16.8	X	96.18131	248.47070	144.59072	6.45983	0.0754185	0.21979136	2.7193325	20	1 6.1	20.3
495500 2014 UL_{161}	17.0	X	181.77536	285.50497	8.78254	3.35497	0.0675978	0.21523245	2.7575976	20	—	—
495501 2014 UM_{162}	17.1	X	194.17668	266.38290	19.81908	3.37205	0.0624149	0.21618132	2.7495225	20	—	—
495502 2014 UY_{170}	16.4	X	292.69217	55.03993	74.90980	10.45171	0.0833558	0.17664843	3.1457886	20	12 25.6	20.6
495503 2014 UY_{172}	16.4	X	335.49608	333.26669	109.67951	8.96366	0.1416257	0.17871457	3.1214957	20	—	—
495504 2014 UV_{175}	17.1	X	243.10034	95.71046	242.56800	22.45353	0.2721728	0.27660333	2.3329089	20	3 18.2	21.6
495505 2014 UJ_{176}	17.2	X	143.45462	123.40431	233.51530	11.05290	0.1229598	0.23404077	2.6078045	20	1 20.0	21.2
495506 2014 UM_{177}	17.2	X	156.99670	132.01530	183.68542	6.04203	0.0346894	0.21563205	2.7541897	20	—	—
495507 2014 UK_{180}	17.6	X	220.91815	271.19363	72.51507	4.79202	0.0695310	0.26158255	2.4213833	20	3 27.1	21.0
495508 2014 UW_{187}	16.8	X	127.83398	138.23516	226.29363	12.42628	0.0718034	0.22275891	2.6951276	20	1 7.5	20.7
495509 2014 UR_{198}	16.8	X	112.02449	154.66693	241.83210	10.13943	0.0870791	0.23411431	2.6072584	20	1 27.3	20.5
495510 2014 UQ_{200}	16.6	X	209.25655	247.03500	32.35404	6.51274	0.1081793	0.22108317	2.7087292	20	—	—
495511 2014 UD_{206}	19.2	X	332.47852	302.17974	19.94765	6.47772	0.4294587	0.31781503	2.1266030	20	6 17.6	19.0
495512 2014 UM_{208}	16.7	X	13.80105	0.95010	44.15150	10.06097	0.0816667	0.17748489	3.1358971	20	—	—
495513 2014 UC_{217}	16.2	X	163.61779	240.17385	129.03856	15.23401	0.1091604	0.23942930	2.5685293	20	2 29.4	20.1
495514 2014 UF_{220}	16.4	X	103.63889	69.88921	282.40534	8.66791	0.1266115	0.21479756	2.7613184	20	—	—
495515 2014 UC_{223}	16.2	X	187.89515	301.98326	40.85064	14.23693	0.1880423	0.24152825	2.5536268	20	2 28.2	20.7
495516 2014 VA_{5}	17.1	X	127.02412	181.75476	213.79829	8.23734	0.1515938	0.23812447	2.5779038	20	2 21.9	20.9
495517 2014 VR_{13}	16.9	X	135.55017	294.14797	66.03650	15.33622	0.1679110	0.22834776	2.6509704	20	1 27.7	21.0
495518 2014 VY_{13}	17.2	X	133.64484	291.48380	81.14009	14.14067	0.2048604	0.23247328	2.6195138	20	2 14.9	21.4
495519 2014 VR_{20}	16.8	X	104.97887	297.66010	75.67119	5.66866	0.1439147	0.21298089	2.7769984	20	1 4.7	20.4
495520 2014 VA_{24}	16.1	X	359.96576	201.94843	230.56766	10.93367	0.0529640	0.18173493	3.0868139	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495521 2014 VY_{27}	16.9	X	197.86910	66.86110	244.93861	9.79022	0.1678898	0.23441412	2.6050348	20	1 21.2	21.4
495522 2014 VJ_{33}	17.0	X	114.70987	309.47715	57.78271	13.74912	0.1511312	0.21143484	2.7905192	20	1 11.4	21.1
495523 2014 WE_{4}	15.9	X	85.18695	321.54550	46.78695	9.92288	0.0377525	0.19352408	2.9601431	20	—	—
495524 2014 WS_{9}	17.2	X	128.92931	133.15702	246.01864	2.81306	0.1456101	0.23172349	2.6251614	20	2 5.7	20.9
495525 2014 WA_{25}	17.0	X	130.88526	97.29913	240.70617	3.35780	0.0735728	0.20824859	2.8189108	20	—	—
495526 2014 WC_{31}	17.2	X	95.93796	288.99473	81.71989	5.62776	0.1353084	0.20944141	2.8081977	20	—	—
495527 2014 WL_{39}	16.8	X	240.30185	7.00804	247.65678	16.47803	0.0891545	0.22187949	2.7022443	20	—	—
495528 2014 WH_{44}	16.6	X	32.25040	225.61946	186.78776	8.98332	0.2033576	0.19315699	2.9638923	20	—	—
495529 2014 WW_{44}	16.7	X	234.62326	32.03096	211.13073	3.72158	0.0331727	0.20714536	2.8289107	20	—	—
495530 2014 WQ_{49}	17.1	X	106.91993	171.99853	214.24579	5.88134	0.0922267	0.21620450	2.7493260	20	1 13.8	20.8
495531 2014 WO_{52}	16.6	X	200.17281	265.09242	65.76951	8.07458	0.1821083	0.24147026	2.5540356	20	2 20.4	20.9
495532 2014 WB_{54}	17.3	X	133.36473	144.15555	201.62489	3.63504	0.1756054	0.21520586	2.7578246	20	1 7.1	21.4
495533 2014 WH_{57}	16.3	X	339.89282	20.16564	67.92819	10.92806	0.0661436	0.18142213	3.0903610	20	—	—
495534 2014 WG_{60}	17.0	X	189.89651	191.25064	101.86133	5.22128	0.0742979	0.21423457	2.7661540	20	—	—
495535 2014 WJ_{67}	17.2	X	169.76507	283.32221	55.87372	11.32478	0.2301536	0.23741992	2.5830012	20	2 7.9	21.7
495536 2014 WK_{82}	17.3	X	211.42960	232.28822	83.75800	6.56410	0.1306828	0.24220726	2.5488519	20	2 10.9	21.4
495537 2014 WH_{95}	16.8	X	261.87509	315.71529	203.30911	8.22369	0.0394081	0.17778094	3.1324147	20	12 25.1	21.3
495538 2014 WA_{99}	17.2	X	175.28071	191.76500	111.61668	5.56823	0.0496236	0.21405073	2.7677376	20	—	—
495539 2014 WC_{108}	17.0	X	159.30987	266.94886	75.61358	15.57108	0.1691516	0.23360765	2.6110269	20	1 28.9	21.3
495540 2014 WJ_{129}	16.1	X	277.76990	86.23118	93.94971	10.97209	0.0219374	0.19988578	2.8969975	20	—	—
495541 2014 WL_{136}	16.4	X	223.71244	351.90018	239.80019	10.37036	0.1130967	0.19187336	2.9770967	20	—	—
495542 2014 WW_{139}	16.6	X	269.80987	273.73147	243.06737	10.74647	0.0707533	0.17422802	3.1748561	20	12 27.3	20.9
495543 2014 WD_{140}	17.8	X	192.85068	271.13349	70.60353	4.10225	0.2420763	0.24595226	2.5229124	20	2 26.2	22.2
495544 2014 WW_{140}	17.4	X	150.83483	280.89427	67.04733	5.86168	0.1683091	0.22429452	2.6828122	20	1 27.1	21.6
495545 2014 WO_{144}	17.0	X	343.78838	195.67067	234.31291	7.68755	0.0560651	0.17233902	3.1980135	20	12 22.9	21.3
495546 2014 WG_{150}	17.1	X	78.65851	184.90895	210.78393	7.93210	0.1325463	0.21385762	2.7694034	20	—	—
495547 2014 WF_{159}	16.4	X	336.70183	2.11454	77.34748	16.54568	0.1787053	0.17826642	3.1267250	20	—	—
495548 2014 WB_{166}	16.9	X	115.76149	147.32994	201.61845	4.09225	0.0787639	0.21277850	2.7787590	20	—	—
495549 2014 WV_{169}	18.3	X	301.71996	233.44299	83.81817	8.58412	0.2339330	0.30198881	2.2002675	20	5 7.4	20.6
495550 2014 WA_{188}	17.4	X	191.54739	184.95355	129.95753	6.26198	0.0556781	0.22695449	2.6618089	20	1 18.9	21.3
495551 2014 WZ_{198}	16.7	X	49.63955	258.10510	133.68756	10.51472	0.0792117	0.19159283	2.9800019	20	—	—
495552 2014 WS_{200}	17.2	X	267.21506	335.78752	12.78332	10.26195	0.2949738	0.28170992	2.3046304	20	4 24.6	20.7
495553 2014 WF_{207}	16.9	X	161.59117	305.59966	54.93348	9.68333	0.1810169	0.23811082	2.5780023	20	2 24.0	21.2
495554 2014 WK_{221}	16.2	X	319.20244	66.07163	44.45907	10.21896	0.0264718	0.18380671	3.0635747	20	—	—
495555 2014 WY_{230}	15.8	X	46.66306	72.08559	259.16634	7.71513	0.1316445	0.17568447	3.1572851	20	11 26.4	20.3
495556 2014 WU_{237}	16.8	X	106.94856	51.92253	302.42283	8.20025	0.1721453	0.21679226	2.7443545	20	—	—
495557 2014 WN_{238}	16.6	X	246.16871	347.64673	184.39016	9.07033	0.1507099	0.17193889	3.2029732	20	12 6.2	21.3
495558 2014 WO_{241}	16.2	X	320.84704	339.83310	140.81485	12.82151	0.0377193	0.18242211	3.0790570	20	—	—
495559 2014 WS_{260}	16.5	X	330.49679	9.31954	85.59246	13.72694	0.0687908	0.17796612	3.1302414	20	—	—
495560 2014 WO_{281}	16.3	X	11.05496	285.56878	112.09762	8.02392	0.1227617	0.17221828	3.1995081	20	12 28.2	20.3
495561 2014 WG_{298}	16.5	X	39.91150	270.30152	133.24702	11.21203	0.1191200	0.19092622	2.9869343	20	—	—
495562 2014 WF_{313}	16.7	X	105.97513	125.87598	247.56279	6.66311	0.0781128	0.20945817	2.8080479	20	—	—
495563 2014 WG_{325}	16.4	X	37.40890	271.95424	104.18640	12.63417	0.1256401	0.18422181	3.0589710	20	—	—
495564 2014 WW_{328}	16.5	X	9.87224	316.59199	109.64447	11.13795	0.0963821	0.18888447	3.0084206	20	—	—
495565 2014 WC_{341}	16.1	X	359.52721	340.72987	93.03671	17.23564	0.1005442	0.18587528	3.0408030	20	—	—
495566 2014 WH_{345}	17.4	X	165.13281	254.29291	94.41978	14.75270	0.1911461	0.23693616	2.5865159	20	2 12.3	21.8
495567 2014 WK_{397}	16.0	X	317.34583	10.16328	65.16728	28.98136	0.1684805	0.17111449	3.2132526	20	11 21.1	19.6
495568 2014 WF_{399}	15.3	X	90.73585	254.56002	102.68002	11.75133	0.1050920	0.17804860	3.1292746	20	—	—
495569 2014 WQ_{415}	16.1	X	30.56209	228.70736	195.32961	11.44724	0.0460407	0.18998721	2.9967681	20	—	—
495570 2014 WJ_{416}	16.1	X	213.72690	190.88388	119.38121	12.54982	0.1817018	0.23324872	2.6137048	20	2 5.3	20.4
495571 2014 WV_{416}	15.8	X	136.60294	156.32628	143.90002	10.44017	0.0321862	0.18101279	3.0950182	20	—	—
495572 2014 WQ_{417}	17.1	X	148.23430	220.64584	136.55898	7.38018	0.1427829	0.22230011	2.6988346	20	1 31.9	21.3
495573 2014 WU_{476}	15.9	X	195.34223	134.14269	106.55615	11.01505	0.0632768	0.17873428	3.1212662	20	—	—
495574 2014 WC_{492}	16.9	X	140.17712	312.01477	56.66838	14.18353	0.2725159	0.22238644	2.6981361	20	2 25.8	21.6
495575 2014 WJ_{494}	15.9	X	67.46769	239.68925	164.09206	9.91854	0.1600146	0.18259173	3.0771499	20	—	—
495576 2014 WW_{501}	15.5	X	25.48021	282.31931	108.49846	12.62828	0.0987363	0.18024746	3.1037729	20	—	—
495577 2014 WY_{505}	16.0	X	20.99502	326.18299	93.33274	16.93075	0.1894516	0.18434105	3.0576517	20	—	—
495578 2014 XD_{19}	17.3	X	236.68851	322.71890	51.78252	9.05424	0.2463124	0.27868930	2.3212532	20	5 7.5	21.0
495579 2014 XA_{23}	16.2	X	10.04551	326.35504	87.29363	7.60197	0.1651577	0.17690644	3.1427291	20	—	—
495580 2014 YU_{7}	16.2	X	100.78327	304.32713	87.02250	11.03964	0.0467385	0.19112701	2.9848419	20	1 11.9	20.4
495581 2014 YU_{11}	16.0	X	40.28222	339.06218	77.89931	13.09825	0.1049352	0.19174216	2.9784546	20	—	—
495582 2014 YS_{44}	16.1	X	38.48519	317.09670	98.25151	11.59820	0.0977946	0.18920293	3.0050438	20	—	—
495583 2014 YV_{45}	16.0	X	13.12406	307.49305	108.69105	11.15108	0.2120598	0.17635624	3.1492622	20	—	—
495584 2015 AW	17.1	X	125.70550	277.57408	119.32570	13.62955	0.2824780	0.23547056	2.5972374	20	3 15.8	21.4
495585 2015 AW_{1}	16.8	X	197.73582	165.89689	143.60995	17.16576	0.1844679	0.22816943	2.6523515	20	1 21.4	21.4
495586 2015 AR_{12}	15.7	X	284.84218	233.97909	355.29488	13.47503	0.0613275	0.19656998	2.9294848	20	1 27.1	20.0
495587 2015 AQ_{23}	16.3	X	28.15197	294.75983	132.39626	13.77261	0.0162352	0.18847830	3.0127411	20	—	—
495588 2015 AG_{25}	15.9	X	180.00870	116.01099	147.27882	21.12842	0.0209973	0.18256482	3.0774523	20	—	—
495589 2015 AR_{32}	16.1	X	212.35157	161.49257	117.63577	12.88957	0.0095064	0.19169650	2.9789274	20	1 4.3	20.3
495590 2015 AK_{68}	16.0	X	70.49052	282.64632	109.77108	12.21830	0.1319284	0.18626924	3.0365140	20	—	—
495591 2015 AZ_{77}	17.6	X	148.55418	345.26516	130.24554	6.97858	0.0708303	0.25862574	2.4398037	20	6 25.2	21.0
495592 2015 AY_{181}	16.7	X	199.52725	300.73679	336.29529	6.31154	0.0389345	0.17676136	3.1444485	20	—	—
495593 2015 AS_{193}	16.4	X	344.20397	351.86081	133.59424	6.19857	0.1408131	0.17535241	3.1612698	20	—	—
495594 2015 AX_{223}	16.3	X	286.19660	16.39624	265.24488	12.60117	0.2145520	0.21532711	2.7567893	20	2 28.5	20.7
495595 2015 AS_{237}	17.2	X	22.58232	309.93035	260.89770	12.04862	0.2129688	0.22413461	2.6840881	20	5 23.9	19.6
495596 2015 AV_{238}	16.5	X	56.92591	324.47922	103.52173	5.70155	0.2258209	0.18743232	3.0239392	20	1 18.7	19.7
495597 2015 AB_{242}	15.9	X	70.89446	352.41611	76.71605	10.74433	0.1054734	0.18657888	3.0331536	20	1 29.5	19.9
495598 2015 AW_{256}	15.4	X	252.99809	260.32940	308.63442	8.23747	0.0430644	0.17446581	3.1719707	20	—	—
495599 2015 AK_{264}	15.7	X	254.55475	144.71787	60.80031	16.16455	0.0463975	0.15475814	3.4358462	20	—	—
495600 2015 AC_{274}	16.6	X	276.68331	355.18693	325.91805	13.59700	0.1741065	0.24401298	2.5362619	20	4 10.5	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495601 2015 AV_{277}	16.1	X	58.42561	128.45209	297.29667	17.26927	0.0555285	0.18203071	3.0834691	20	1 2.9	20.2
495602 2015 AP_{278}	16.1	X	77.80060	215.09550	164.80964	8.82880	0.1070755	0.16886606	3.2417123	20	—	—
495603 2015 AM_{281}	4.8	X	336.05348	158.39210	22.05210	26.73667	0.2472450	0.00241997	54.9451847	20	2 22.2	21.2
495604 2015 BW_{21}	15.8	X	334.70176	236.57407	286.68905	7.72359	0.0756844	0.17976147	3.1093645	20	1 5.7	19.9
495605 2015 BP_{146}	18.1	X	52.72558	176.68681	110.98585	6.72794	0.1677688	0.28531866	2.2851564	20	11 8.9	21.1
495606 2015 BL_{218}	16.3	X	71.00479	289.58046	84.33940	17.48826	0.1014474	0.17634060	3.1494485	20	—	—
495607 2015 BT_{239}	15.9	X	86.74161	139.61911	225.28361	9.43683	0.1231750	0.17839189	3.1252588	20	—	—
495608 2015 BX_{500}	15.9	X	0.08879	178.59254	312.12134	6.45407	0.0280385	0.17942878	3.1132068	20	1 4.5	20.1
495609 2015 DG_{11}	18.0	X	152.42171	4.60149	321.54437	18.75044	0.0693120	0.36437339	1.9413549	20	—	—
495610 2015 DS_{108}	15.5	X	175.28896	247.40837	63.29327	13.15246	0.1328423	0.17813017	3.1283193	20	1 8.7	20.6
495611 2015 DY_{154}	17.4	X	195.06082	354.82656	141.64825	6.16399	0.1559496	0.27568304	2.3380979	20	9 13.5	20.8
495612 2015 ET_{1}	18.1	X	74.28689	162.97681	161.66058	6.17420	0.0768988	0.31023441	2.1611060	20	—	—
495613 2015 FG_{345}	5.2	X	299.61478	223.81067	58.70002	36.00180	0.1301541	0.00359372	42.2124218	20	4 29.3	21.3
495614 2015 HB_{175}	16.7	X	329.06282	47.39084	188.29827	0.77918	0.0864730	0.18794903	3.0183944	20	3 25.3	20.5
495615 2015 PQ_{291}	17.7	X	157.24121	199.02108	234.40627	34.60304	0.2374529	1.01201379	0.9825284	20	—	—
495616 2015 RA_{19}	18.1	X	118.04423	30.80315	354.14455	1.98881	0.2043260	0.28828527	2.2694524	20	2 2.1	20.7
495617 2015 RS_{77}	17.4	X	243.88091	143.75305	309.12730	4.06608	0.2707658	0.18056658	3.1001150	20	8 15.7	22.3
495618 2015 SN_{2}	18.5	X	187.61720	266.05741	208.48454	21.20149	0.0728047	0.38407108	1.8743973	20	8 14.1	21.2
495619 2015 TB_{8}	18.6	X	288.42751	156.72665	198.28985	21.47795	0.0763104	0.38223289	1.8804019	20	7 10.5	20.9
495620 2015 TH_{137}	16.9	X	236.70065	64.64762	75.69437	16.69920	0.2718459	0.17997031	3.1069586	20	10 13.7	22.0
495621 2015 TK_{157}	18.1	X	95.71549	359.21538	18.57997	7.10591	0.1186826	0.27098729	2.3650306	20	—	—
495622 2015 TG_{189}	18.3	X	243.78090	191.23713	205.91503	21.99141	0.0563775	0.37347553	1.9096830	20	7 7.4	20.9
495623 2015 TD_{233}	17.9	X	131.89691	152.85488	204.70438	2.39842	0.1544995	0.27734376	2.3287549	20	1 7.5	20.9
495624 2015 TK_{239}	18.4	X	327.49576	100.83269	213.24356	19.62730	0.0691775	0.37583193	1.9016924	20	7 14.4	20.5
495625 2015 TC_{243}	17.8	X	44.09726	289.24746	72.69145	3.29073	0.2164688	0.23054426	2.6341056	20	—	—
495626 2015 TW_{255}	16.8	X	21.06975	128.18264	316.63132	12.53624	0.2307676	0.24169678	2.5524396	20	—	—
495627 2015 TS_{336}	18.4	X	175.90951	306.59397	65.59620	1.80147	0.1382072	0.31148796	2.1553040	20	3 10.7	21.5
495628 2015 UH_{7}	18.4	X	309.50475	146.33666	189.98477	21.49499	0.0811804	0.36881661	1.9257315	20	7 17.6	20.7
495629 2015 VF_{36}	18.3	X	54.09016	48.80219	39.64115	3.12824	0.1894081	0.26717068	2.3875008	20	1 16.3	20.1
495630 2015 VW_{57}	18.4	X	35.14668	320.15903	165.76372	4.71186	0.0973555	0.28461773	2.2889066	20	1 24.8	20.5
495631 2015 VF_{125}	17.8	X	337.40212	230.42634	69.02374	21.84496	0.0638759	0.36821081	1.9278431	20	7 15.7	19.7
495632 2015 WE_{7}	17.0	X	320.34777	148.60613	22.36875	6.60361	0.1859701	0.24366525	2.5386743	20	—	—
495633 2015 XD_{86}	17.1	X	14.90593	57.02509	65.84903	11.23381	0.1391269	0.23900809	2.5715461	20	—	—
495634 2015 XE_{107}	16.7	X	228.23358	55.81682	98.11376	15.15364	0.2401342	0.17544641	3.1601404	20	10 23.4	21.9
495635 2015 XH_{132}	17.0	X	276.60899	292.56583	250.43247	11.77195	0.2137731	0.22428035	2.6829252	20	—	—
495636 2015 XH_{141}	16.9	X	257.15488	168.96398	78.36887	13.77725	0.1662243	0.26480389	2.4017058	20	—	—
495637 2015 XA_{168}	16.5	X	355.38095	241.91811	218.69946	14.26154	0.1157311	0.20638917	2.8358164	20	—	—
495638 2015 XY_{171}	16.9	X	341.36744	43.01781	75.98225	22.92007	0.0483398	0.23312348	2.6146408	20	—	—
495639 2015 XU_{198}	16.9	X	341.64240	232.76412	253.38226	6.22591	0.1512822	0.23076751	2.6324064	20	—	—
495640 2015 XV_{210}	18.7	X	299.21176	4.48522	279.73702	1.92156	0.0287291	0.31339691	2.1465429	20	4 14.8	20.9
495641 2015 XV_{224}	17.4	X	347.06716	30.77515	80.83121	18.26994	0.2483368	0.22617868	2.6678921	20	—	—
495642 2015 XL_{237}	17.7	X	0.51482	181.36206	307.40016	0.68612	0.1518704	0.24496003	2.5297206	20	—	—
495643 2015 XS_{315}	17.8	X	319.07251	193.78651	336.47979	1.44228	0.0701542	0.24550743	2.5259590	20	—	—
495644 2015 XR_{333}	17.2	X	311.85809	86.63626	83.30192	13.48596	0.1266076	0.23605627	2.5929394	20	—	—
495645 2015 YL_{19}	16.5	X	37.70410	71.01048	9.73710	15.06536	0.0857310	0.24453316	2.5326638	20	—	—
495646 2016 AJ_{6}	17.6	X	69.46782	353.59343	84.22460	7.84466	0.1112538	0.25299567	2.4758671	20	1 25.9	20.3
495647 2016 AG_{12}	16.1	X	320.04228	355.85911	124.25942	18.65071	0.0865539	0.20289270	2.8683035	20	—	—
495648 2016 AS_{23}	16.4	X	245.97381	301.67764	267.25349	4.40323	0.0126400	0.21162683	2.7888312	20	—	—
495649 2016 AV_{44}	16.4	X	48.27469	312.38699	108.28070	22.88400	0.0437202	0.22644431	2.6658054	20	—	—
495650 2016 AV_{51}	17.9	X	136.84780	289.96020	110.09097	7.22161	0.1423994	0.27470927	2.3436199	20	3 11.2	21.2
495651 2016 AE_{55}	16.8	X	222.74776	291.31793	272.50002	4.55917	0.0990311	0.18762771	3.0218395	20	12 26.5	21.2
495652 2016 AP_{56}	16.1	X	275.91424	269.60853	276.43328	7.60254	0.0978065	0.21104199	2.7939812	20	—	—
495653 2016 AH_{67}	16.9	X	255.55531	197.56615	355.08481	1.22329	0.1115995	0.20114976	2.8848487	20	—	—
495654 2016 AM_{70}	17.2	X	47.81142	259.52302	186.12159	2.08056	0.1188399	0.24491760	2.5300128	20	—	—
495655 2016 AG_{72}	17.0	X	249.21070	30.37573	116.24653	10.46401	0.1803621	0.17570647	3.1570216	20	11 9.2	21.6
495656 2016 AX_{76}	17.4	X	269.59812	164.79591	120.39363	25.08365	0.1767271	0.27179723	2.3603299	20	2 24.4	21.1
495657 2016 AZ_{77}	15.7	X	258.09006	224.31649	274.32712	11.45141	0.0421424	0.17034472	3.2229255	20	11 23.5	20.3
495658 2016 AK_{100}	16.9	X	310.61570	32.01876	87.88554	3.98080	0.0296100	0.18883866	3.0089071	20	—	—
495659 2016 AO_{100}	16.9	X	42.88312	327.22658	107.27150	14.98316	0.2294895	0.23178382	2.6247059	20	—	—
495660 2016 AO_{102}	16.0	X	321.20654	106.24674	330.19309	14.80935	0.0441569	0.17163936	3.2066985	20	11 27.6	20.6
495661 2016 AQ_{103}	17.0	X	222.41977	192.36298	58.35744	5.70638	0.0235946	0.21338712	2.7734729	20	—	—
495662 2016 AY_{107}	16.7	X	348.42575	8.96390	92.63068	7.16351	0.0202393	0.19953984	2.9003448	20	—	—
495663 2016 AL_{114}	17.2	X	130.64460	268.59333	81.61346	7.46282	0.0338835	0.22059334	2.7127376	20	—	—
495664 2016 AE_{116}	17.1	X	255.39122	85.08973	137.32736	5.45722	0.0055788	0.21345846	2.7728548	20	—	—
495665 2016 AV_{116}	16.7	X	296.97211	192.86626	302.35407	4.64735	0.1000610	0.18482612	3.0522996	20	—	—
495666 2016 AG_{122}	15.9	X	304.77211	320.29542	144.30710	13.97083	0.1021576	0.17185613	3.2040014	20	12 11.4	20.2
495667 2016 AN_{125}	16.8	X	109.23903	44.53280	334.51387	5.34570	0.0293271	0.22072290	2.7116760	20	—	—
495668 2016 AV_{141}	16.0	X	143.27204	46.10046	260.74225	10.94653	0.0468407	0.20096714	2.8865961	20	—	—
495669 2016 AJ_{147}	17.1	X	357.30818	246.09032	197.13374	12.30492	0.0282083	0.19886400	2.9069124	20	—	—
495670 2016 AV_{148}	16.1	X	182.90203	46.58115	245.87688	9.67136	0.0222914	0.21893971	2.7263798	20	—	—
495671 2016 AG_{155}	17.1	X	41.55998	274.48307	172.57249	14.29237	0.1000003	0.23051978	2.6342920	20	—	—
495672 2016 AT_{157}	16.4	X	244.68301	27.99476	159.34178	24.18655	0.1446641	0.18167951	3.0874416	20	12 26.3	21.2
495673 2016 AN_{168}	16.8	X	39.90394	183.49184	264.50803	11.64121	0.1194740	0.23350661	2.6117800	20	—	—
495674 2016 AT_{168}	16.4	X	242.68899	334.67591	202.88365	7.40273	0.1034384	0.18019864	3.1043335	20	12 16.1	20.9
495675 2016 AB_{172}	16.6	X	84.27165	295.06484	133.59830	14.62598	0.2140818	0.25912710	2.4366556	20	2 21.2	19.2
495676 2016 AG_{181}	16.5	X	250.65386	354.04874	283.39091	11.97466	0.1594559	0.22776345	2.6555024	20	1 28.1	20.8
495677 2016 AW_{189}	16.3	X	289.09270	0.16914	122.90246	10.96842	0.2143191	0.18298836	3.0727017	20	12 1.3	19.9
495678 2016 BK_{2}	17.2	X	52.37022	287.46251	146.22989	6.50596	0.0381401	0.22081380	2.7109317	20	—	—
495679 2016 BC_{16}	17.5	X	50.82007	30.14152	40.27277	11.56121	0.1891397	0.23753841	2.5821422	20	—	—
495680 2016 BG_{32}	16.6	X	295.40304	139.52711	359.54815	10.65314	0.0833753	0.18764866	3.0216146	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495681 2016 BF_{33}	16.8	X	142.87886	25.65316	304.53346	4.74228	0.0193494	0.21264834	2.7798928	20	—	—
495682 2016 BR_{34}	16.6	X	80.41537	267.84423	112.81431	13.87338	0.0913286	0.21405310	2.7677172	20	—	—
495683 2016 BN_{38}	16.3	X	173.22977	135.93071	105.13722	10.93976	0.0473191	0.17413641	3.1759695	20	12 19.2	20.9
495684 2016 BS_{45}	17.1	X	138.08389	226.32062	128.29287	6.67016	0.0271982	0.22804163	2.6533424	20	1 2.8	20.6
495685 2016 BM_{54}	17.4	X	209.52541	163.81101	140.79703	15.30653	0.0886925	0.24036957	2.5618266	20	1 23.9	21.2
495686 2016 BY_{57}	17.7	X	96.92221	336.92560	72.31457	5.89321	0.0145155	0.23612076	2.5924672	20	1 17.5	21.1
495687 2016 BO_{60}	17.4	X	25.50327	313.66893	114.65787	3.18637	0.0448478	0.20164007	2.8801703	20	—	—
495688 2016 BH_{68}	16.3	X	205.06503	107.53196	120.17840	13.15800	0.1038398	0.18284626	3.0742935	20	—	—
495689 2016 BA_{69}	17.2	X	223.62813	205.47298	63.77799	3.63964	0.0589814	0.22447834	2.6813474	20	—	—
495690 2016 CL	17.1	X	94.57012	99.13923	277.90849	4.78294	0.0655054	0.21884361	2.7271779	20	—	—
495691 2016 CH_{1}	15.7	X	329.61012	148.95818	298.76606	15.17741	0.1077974	0.18476496	3.0529731	20	12 31.9	19.4
495692 2016 CU_{1}	17.3	X	238.56918	110.97275	145.76009	12.41072	0.1208994	0.22147182	2.7055593	20	—	—
495693 2016 CX_{8}	16.7	X	282.05875	2.47455	146.19669	3.15553	0.0753297	0.18502923	3.0500654	20	—	—
495694 2016 CE_{10}	16.3	X	139.39618	136.21965	152.01618	10.03371	0.1052287	0.17901624	3.1179879	20	—	—
495695 2016 CF_{10}	17.9	X	186.32916	99.18451	256.54694	3.49648	0.0604430	0.25857430	2.4401273	20	2 27.9	21.4
495696 2016 CH_{11}	17.1	X	4.34360	151.81401	313.55970	3.36110	0.0228328	0.21097022	2.7946147	20	—	—
495697 2016 CN_{11}	16.7	X	269.47323	207.55228	305.17025	4.02931	0.1237249	0.17732138	3.1378244	20	12 16.7	20.9
495698 2016 CG_{12}	16.5	X	174.10422	4.05774	314.96617	12.39191	0.1735838	0.22354383	2.6888150	20	1 14.8	20.8
495699 2016 CH_{13}	16.3	X	302.46353	331.43538	149.73715	13.06689	0.1163014	0.18208516	3.0828544	20	12 28.9	20.2
495700 2016 CJ_{19}	16.4	X	166.84566	23.89233	282.19816	10.95958	0.1676151	0.21651344	2.7467100	20	—	—
495701 2016 CZ_{21}	15.9	X	8.60646	97.25303	302.52484	15.14188	0.0857465	0.18030457	3.1031175	20	12 26.5	20.1
495702 2016 CP_{36}	17.4	X	161.64012	261.63152	96.61832	1.18243	0.0116127	0.24527850	2.5275304	20	2 1.4	20.5
495703 2016 CN_{37}	17.2	X	14.92879	19.68205	74.08869	4.57044	0.0360325	0.21363515	2.7713257	20	—	—
495704 2016 CZ_{46}	17.4	X	106.35909	271.87418	101.49170	4.48961	0.0520751	0.22171405	2.7035884	20	—	—
495705 2016 CQ_{49}	16.2	X	208.90439	131.37745	108.09550	12.01676	0.1538157	0.18299549	3.0726219	20	—	—
495706 2016 CL_{52}	17.0	X	63.06652	322.40821	79.76921	3.60874	0.0898653	0.21142255	2.7906274	20	—	—
495707 2016 CT_{61}	16.6	X	49.29883	350.66463	79.10735	6.22902	0.1098830	0.21827781	2.7318886	20	—	—
495708 2016 CJ_{63}	15.8	X	151.93389	155.04331	131.44238	18.94205	0.1808994	0.17029262	3.2235828	20	—	—
495709 2016 CL_{70}	15.4	X	283.78830	23.16439	120.86994	28.17618	0.1267383	0.17979279	3.1090034	20	12 29.4	19.5
495710 2016 CD_{77}	17.6	X	162.12824	266.12724	124.73376	7.77091	0.1055106	0.26811014	2.3819203	20	3 24.3	21.1
495711 2016 CL_{80}	15.1	X	180.20122	150.59422	17.78126	8.71258	0.1822418	0.12503725	3.9607409	20	9 22.9	21.4
495712 2016 CY_{83}	15.6	X	157.69176	185.19192	115.16552	15.12694	0.1118547	0.19274950	2.9680682	20	—	—
495713 2016 CG_{92}	15.7	X	356.20412	50.39228	353.92506	13.38373	0.0917625	0.16818489	3.2504593	20	12 8.8	20.1
495714 2016 CN_{102}	16.5	X	303.76655	302.18071	198.92468	10.11110	0.0579390	0.19317084	2.9637507	20	—	—
495715 2016 CB_{106}	16.7	X	181.25043	30.45303	253.36474	7.30176	0.1251191	0.20043987	2.8916561	20	—	—
495716 2016 CO_{110}	17.2	X	278.58424	6.60519	232.49772	5.48016	0.1499972	0.22718020	2.6600455	20	1 11.5	21.3
495717 2016 CC_{120}	17.1	X	100.80877	196.24518	185.88941	5.91800	0.0438121	0.21728623	2.7401936	20	—	—
495718 2016 CT_{133}	18.0	X	297.81790	281.89280	20.76003	7.09648	0.1198818	0.29110750	2.2547607	20	4 25.9	20.5
495719 2016 CM_{138}	16.2	X	282.98130	47.59200	92.60191	19.00403	0.1715791	0.18150339	3.0894385	20	12 16.6	20.0
495720 2016 CL_{142}	16.5	X	233.61801	63.66198	151.46203	9.66008	0.0601063	0.19043777	2.9920395	20	—	—
495721 2016 CP_{194}	17.4	X	344.64807	83.27770	260.79840	17.05554	0.1108125	0.35823824	1.9634571	20	10 13.8	19.4
495722 2016 CO_{200}	16.9	X	12.04537	316.86497	139.02788	4.37121	0.0669551	0.20830052	2.8184423	20	—	—
495723 2016 CF_{201}	17.1	X	164.39964	345.56720	339.80537	5.85204	0.0958933	0.21769598	2.7367541	20	1 7.6	21.2
495724 2016 CL_{205}	17.3	X	191.81388	135.60170	152.97018	4.81451	0.0327558	0.21041391	2.7995384	20	—	—
495725 2016 CN_{205}	16.4	X	20.41965	90.40445	324.98762	8.11588	0.0478000	0.18691963	3.0294662	20	—	—
495726 2016 CW_{206}	16.4	X	16.39061	253.98491	158.24115	9.59552	0.0665493	0.18245370	3.0787017	20	—	—
495727 2016 CH_{208}	16.1	X	202.99784	93.11330	146.76212	18.29781	0.1045332	0.17792954	3.1306704	20	—	—
495728 2016 CS_{226}	17.3	X	194.48775	266.11111	54.98270	8.68162	0.1134296	0.23610139	2.5926090	20	2 2.2	21.4
495729 2016 CB_{249}	16.8	X	19.59025	38.84910	50.30610	13.88720	0.2315907	0.22237696	2.6982127	20	—	—
495730 2016 CO_{263}	16.6	X	306.43476	297.06929	169.75895	11.54935	0.1039289	0.17745793	3.1362146	20	12 16.8	20.8
495731 2016 DB_{3}	16.2	X	31.42333	268.88705	177.38223	14.48177	0.1210680	0.21801754	2.7340624	20	—	—
495732 2016 DD_{4}	16.8	X	33.66455	303.89345	155.29981	14.30426	0.0868079	0.22527290	2.6750388	20	—	—
495733 2016 DQ_{13}	16.9	X	137.08940	137.92674	199.81017	5.24104	0.0592600	0.21013379	2.8020258	20	—	—
495734 2016 DX_{14}	16.9	X	239.80927	193.08143	93.91156	3.53489	0.1782594	0.22535969	2.6743520	20	1 31.7	21.3
495735 2016 DG_{19}	15.8	X	340.85603	277.54583	167.65709	24.94635	0.1031506	0.17647516	3.1478473	20	—	—
495736 2016 DK_{26}	15.9	X	13.77193	273.85914	134.22976	14.63086	0.1058154	0.17058769	3.2198644	20	—	—
495737 2016 EM	16.1	X	323.93519	6.01500	143.38421	33.84413	0.1549799	0.22979038	2.6398636	20	—	—
495738 2016 EH_{47}	15.8	X	148.35215	194.65303	120.35550	20.80418	0.1338378	0.17864186	3.1223427	20	—	—
495739 2016 EW_{63}	16.4	X	231.64926	59.65284	251.11133	11.78695	0.0390577	0.23313044	2.6145888	20	2 22.1	20.3
495740 2016 EV_{67}	16.6	X	155.52224	290.45193	358.18935	9.37919	0.0816483	0.18122894	3.0925568	20	—	—
495741 2016 EW_{75}	17.3	X	56.78433	221.85479	186.57645	1.84138	0.0677073	0.20268825	2.8702320	20	—	—
495742 2016 EE_{76}	16.6	X	102.06116	169.22387	166.94417	10.48796	0.0327423	0.18025593	3.1036757	20	—	—
495743 2016 EJ_{77}	16.6	X	318.58335	31.58968	80.32082	2.10385	0.1501899	0.18107782	3.0942771	20	—	—
495744 2016 EO_{81}	15.6	X	45.41115	279.98673	108.72371	10.51149	0.0772915	0.17781767	3.1319833	20	—	—
495745 2016 EF_{83}	15.6	X	338.89470	322.74038	105.85672	13.21565	0.0549497	0.15848598	3.3817551	20	12 12.5	20.2
495746 2016 EL_{89}	17.4	X	203.29843	17.50109	248.74272	1.43987	0.0415152	0.19713647	2.9238701	20	—	—
495747 2016 EN_{89}	17.2	X	149.25163	194.85264	165.93354	12.04769	0.0898324	0.22869489	2.6482872	20	1 29.8	21.2
495748 2016 EE_{93}	16.2	X	115.62609	235.24553	98.73101	10.16624	0.1283930	0.18446683	3.0562616	20	—	—
495749 2016 EO_{105}	16.2	X	63.53755	292.34469	71.44687	9.76390	0.0786344	0.17444811	3.1721853	20	—	—
495750 2016 ET_{109}	15.6	X	116.81129	182.53010	146.04943	29.08705	0.1618753	0.17121081	3.2120472	20	—	—
495751 2016 EA_{173}	16.4	X	344.45137	328.85820	132.58970	12.10808	0.0627769	0.18449437	3.0559575	20	—	—
495752 2016 EB_{187}	16.0	X	188.41721	9.51955	247.71031	12.09837	0.0986820	0.17641163	3.1486030	20	—	—
495753 2016 FY_{43}	17.3	X	255.76917	168.37566	189.30391	13.81283	0.2330696	0.27098583	2.3650391	20	5 6.8	21.0
495754 2016 GZ_{34}	16.4	X	175.38273	107.05834	198.70950	12.71967	0.2677610	0.17096572	3.2151163	20	1 7.5	22.2
495755 2016 GA_{210}	16.3	X	187.08870	271.65394	18.54637	5.49577	0.1158652	0.17691190	3.1426645	20	—	—
495756 2016 GE_{243}	15.9	X	44.79293	208.32398	209.07468	26.85869	0.1593140	0.18069645	3.0986294	20	—	—
495757 2017 AB	18.3	X	337.29649	40.66979	86.92080	4.86486	0.1333994	0.28485015	2.2876614	20	—	—
495758 2017 BQ_{13}	16.1	X	193.23460	98.14975	135.49201	25.26398	0.3372922	0.17542272	3.1604250	20	12 15.4	22.1
495759 Jandesselberger	16.3	X	127.72943	181.64597	97.07869	13.23002	0.1296282	0.23013362	2.6372381	20	12 27.3	20.2
495760 2017 CL_{12}	17.3	X	292.63575	319.28938	303.36057	5.45714	0.2751032	0.28985622	2.2612451	20	2 2.6	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495761 2017 CT_{12}	17.7	X	338.67797	279.04753	244.18679	4.36959	0.1692920	0.26946180	2.3739483	20	—	—
495762 2017 DQ_{49}	17.4	X	9.00659	343.74378	133.13204	12.44624	0.1513955	0.27677044	2.3319697	20	—	—
495763 2017 DZ_{70}	17.9	X	281.89802	6.20598	212.48292	1.68816	0.1770738	0.26858155	2.3791324	20	—	—
495764 2017 DN_{91}	15.8	X	199.15667	203.49160	21.66750	15.04886	0.1779630	0.20235984	2.8733366	20	12 20.7	20.6
495765 2017 DY_{115}	17.4	X	248.77805	109.90908	83.75727	11.88948	0.1125752	0.21847834	2.7302167	20	—	—
495766 2017 EB_{5}	17.3	X	238.05945	26.03065	206.82175	12.45442	0.2355502	0.22951530	2.6419724	20	—	—
495767 2017 ET_{5}	17.4	X	304.98303	84.76328	97.48560	5.64763	0.1408427	0.26464074	2.4026928	20	—	—
495768 2017 EB_{6}	15.8	X	302.63062	62.83142	40.29674	14.96171	0.0609350	0.19453789	2.9498499	20	12 11.1	19.8
495769 2017 EE_{6}	15.9	X	215.69514	166.86533	10.14367	27.73678	0.1177472	0.18210496	3.0826310	20	11 2.7	20.9
495770 2017 EF_{6}	17.1	X	271.80783	181.34287	50.83845	8.01152	0.0875872	0.26979653	2.3719843	20	—	—
495771 2017 EH_{6}	15.6	X	213.50682	138.35996	27.51190	9.74903	0.0434352	0.17463345	3.1699403	20	11 3.8	20.2
495772 2017 EM_{7}	16.1	X	120.87265	214.39336	82.55411	12.46114	0.1129408	0.19012705	2.9952985	20	—	—
495773 2017 EN_{7}	16.7	X	246.23497	89.40396	148.70562	18.09048	0.1383713	0.24048279	2.5610224	20	—	—
495774 2017 EP_{15}	15.9	X	165.91349	118.87055	117.15309	17.04849	0.1934990	0.17644619	3.1481918	20	12 4.1	21.4
495775 2017 EQ_{20}	15.7	X	216.25448	45.20978	110.00612	18.13882	0.1122039	0.17171786	3.2057211	20	10 26.8	20.9
495776 2017 EQ_{21}	16.9	X	241.85595	178.52392	37.84023	9.57610	0.1967903	0.22710955	2.6605971	20	—	—
495777 2017 ES_{21}	15.6	X	116.33699	170.70122	137.29561	11.16801	0.0812631	0.17879902	3.1205127	20	—	—
495778 2017 FK_{4}	15.9	X	234.84222	7.22818	136.29994	28.99459	0.1212844	0.18003049	3.1062662	20	11 3.6	21.0
495779 2017 FW_{6}	17.4	X	314.01639	176.57214	31.58403	4.77223	0.1543686	0.28765150	2.2727847	20	1 3.5	20.2
495780 2017 FA_{9}	17.4	X	330.36839	334.40454	214.90243	6.15410	0.1785853	0.28445921	2.2897569	20	—	—
495781 2017 FG_{10}	16.9	X	259.02785	109.35116	85.96806	14.41252	0.1181956	0.23259698	2.6185849	20	—	—
495782 2017 FX_{22}	17.2	X	223.82051	247.20735	311.60666	4.52437	0.2327200	0.20268476	2.8702649	20	12 8.3	21.5
495783 2017 FK_{40}	17.6	X	312.11609	108.58751	102.98128	3.90603	0.1166149	0.28579822	2.2825994	20	1 11.3	20.5
495784 2017 FT_{42}	16.9	X	239.20502	150.87436	61.51637	9.44672	0.1257124	0.22317726	2.6917585	20	—	—
495785 2017 FK_{43}	16.5	X	171.89543	158.78885	129.09112	11.93750	0.1504088	0.22089345	2.7102799	20	—	—
495786 2017 FV_{43}	16.0	X	117.78337	264.15675	43.33147	15.67751	0.2012087	0.18869396	3.0104451	20	—	—
495787 2017 FN_{44}	16.9	X	205.75582	129.15259	142.26676	14.95185	0.1812084	0.23471814	2.6027849	20	—	—
495788 2017 FM_{48}	17.9	X	288.99573	295.30974	278.55930	4.17766	0.1807332	0.26785344	2.3834419	20	—	—
495789 2017 FM_{51}	16.2	X	214.45658	95.56512	81.44445	10.86909	0.1841223	0.17708832	3.1405770	20	11 7.9	21.2
495790 2017 FB_{52}	17.1	X	238.40743	123.57755	118.28436	9.76724	0.0798820	0.24493194	2.5299140	20	—	—
495791 2017 FG_{52}	16.8	X	268.84251	143.80581	45.48978	14.22713	0.1949464	0.23158164	2.6262333	20	—	—
495792 2017 FJ_{55}	15.6	X	147.38187	199.37526	41.93913	14.76899	0.0268752	0.17811178	3.1285345	20	11 20.2	20.2
495793 2017 FR_{65}	15.4	X	50.37472	257.59254	78.64246	11.78017	0.0549604	0.18078269	3.0976439	20	11 28.5	19.6
495794 2017 FT_{66}	16.1	X	157.99483	189.50348	50.42643	11.59417	0.0343834	0.19041060	2.9923241	20	12 3.6	20.5
495795 2017 FL_{71}	16.1	X	201.48832	163.66204	69.95546	14.45207	0.0497637	0.22090922	2.7101510	20	—	—
495796 2017 FG_{76}	16.7	X	264.20914	7.32652	193.86344	13.92626	0.2079338	0.23042088	2.6350458	20	—	—
495797 2017 FG_{80}	15.8	X	151.83031	124.08417	120.51534	17.11878	0.2028651	0.17374772	3.1807044	20	12 2.6	21.4
495798 2017 FR_{82}	18.4	X	287.41450	140.80536	79.32377	4.27960	0.1809360	0.26448301	2.4036480	20	—	—
495799 2017 FB_{83}	17.5	X	297.51188	140.71320	54.27241	7.30126	0.1181365	0.25732551	2.4480155	20	—	—
495800 2017 FR_{83}	17.2	X	284.83383	145.20787	41.22888	14.27254	0.0644255	0.23818524	2.5774652	20	—	—
495801 2017 FM_{89}	16.0	X	270.43800	120.24249	24.62629	15.75391	0.0931584	0.18514560	3.0487872	20	12 12.1	20.3
495802 2017 FP_{89}	16.9	X	315.18721	331.56672	182.74138	13.08673	0.1818253	0.23832276	2.5764736	20	—	—
495803 2017 FR_{89}	18.2	X	341.83292	79.74854	135.29997	5.12379	0.1125127	0.30026850	2.2086634	20	2 29.4	20.3
495804 2017 FF_{91}	18.7	X	236.70806	202.86596	206.60642	21.72690	0.0684102	0.39647263	1.8351036	20	7 15.2	21.2
495805 2017 FJ_{95}	17.5	X	308.85306	88.60950	69.72432	14.81317	0.1747056	0.24101861	2.5572253	20	—	—
495806 2017 FN_{95}	17.3	X	237.94125	180.89040	126.91324	12.74772	0.2286691	0.27515468	2.3410900	20	2 17.7	21.2
495807 2017 FA_{97}	17.3	X	213.27892	116.50286	163.90410	13.31472	0.2645883	0.22878328	2.6476050	20	—	—
495808 2017 FJ_{97}	17.7	X	271.64930	91.63332	167.06885	5.98567	0.2010775	0.27942019	2.3172036	20	1 16.8	21.3
495809 2017 FQ_{97}	16.3	X	235.68012	153.72381	36.10006	15.71815	0.0796950	0.20300573	2.8672388	20	12 31.7	20.5
495810 2017 FP_{98}	16.0	X	227.76717	100.26331	71.24171	16.82468	0.2159658	0.17708453	3.1406217	20	11 11.4	20.9
495811 2017 FF_{102}	18.3	X	358.73973	235.95136	37.94313	20.71879	0.0572898	0.37701303	1.8977186	20	7 18.3	20.4
495812 2017 FC_{103}	17.1	X	278.41617	164.89156	26.38778	12.63405	0.1386690	0.23646749	2.5899323	20	—	—
495813 2017 FM_{103}	17.8	X	276.24248	202.15044	31.80842	6.57980	0.2217276	0.25817428	2.4426472	20	—	—
495814 2017 FZ_{107}	15.6	X	111.65998	241.53598	48.92029	16.38978	0.0702552	0.18821876	3.0155100	20	12 13.1	20.3
495815 2017 FL_{108}	17.8	X	270.59338	302.58131	358.39453	4.88024	0.0155142	0.30930474	2.1654342	20	3 31.1	20.3
495816 2017 FU_{108}	16.4	X	272.15500	96.78178	71.69239	16.98752	0.0402128	0.21663186	2.7457089	20	—	—
495817 2017 FB_{109}	16.0	X	170.79679	133.80230	117.62088	12.46801	0.1808030	0.17985808	3.1082509	20	12 23.4	21.2
495818 2017 FZ_{111}	16.1	X	238.20356	347.37539	162.22101	7.40984	0.1744308	0.18971444	2.9996399	20	11 1.8	20.5
495819 2017 FN_{112}	17.3	X	275.53545	1.31328	235.67463	2.40199	0.1750753	0.26816473	2.3815970	20	—	—
495820 2017 FQ_{120}	16.9	X	285.76165	1.30292	184.45750	12.78433	0.1241657	0.23361730	2.6109550	20	—	—
495821 2017 FB_{121}	16.4	X	245.82421	54.94303	68.06067	14.30959	0.2584729	0.17468479	3.1693193	20	10 1.8	21.5
495822 2017 FD_{121}	16.1	X	244.87326	100.63164	48.92593	11.71255	0.1200823	0.18075991	3.0979042	20	11 12.7	20.5
495823 2017 FM_{121}	15.9	X	211.43811	135.45519	43.74881	12.82283	0.1010949	0.17498813	3.1656556	20	11 11.7	20.6
495824 2017 FF_{122}	16.5	X	206.83428	80.64423	92.39255	14.79847	0.2411125	0.17761920	3.1343159	20	10 26.8	21.9
495825 2017 FG_{123}	16.2	X	260.63165	129.74425	18.96519	10.09612	0.0430792	0.18073404	3.0981998	20	12 10.5	20.6
495826 2017 FV_{155}	17.9	X	9.04974	101.86410	47.20529	4.15664	0.1106177	0.29301958	2.2449411	20	1 10.6	20.1
495827 2017 HP_{12}	17.0	X	306.21617	181.62204	44.24446	5.76881	0.1823177	0.27454691	2.3445438	20	1 16.4	20.1
495828 1981 EX_{11}	16.3	X	226.06519	213.55246	349.79422	18.67827	0.3088067	0.16708559	3.2647008	20	11 27.6	21.9
495829 1995 LG	18.7	X	196.11353	160.13254	276.43978	43.58062	0.7906994	0.89724779	1.0646196	20	6 17.1	20.6
495830 1999 TB_{183}	17.8	X	178.94605	222.07238	191.58419	9.69556	0.2549905	0.26524644	2.3990336	20	5 11.6	22.0
495831 2000 AW_{93}	18.8	X	312.18205	61.24064	113.12365	27.32347	0.0894582	0.53247392	1.5075457	20	—	—
495832 2000 JV_{60}	17.8	X	202.80175	320.02080	242.44267	8.21724	0.5100815	0.17383580	3.1796299	20	11 3.6	24.1
495833 2000 SB_{8}	18.9	X	264.23432	312.59097	42.67905	8.81065	0.4814613	0.28700285	2.2762078	20	4 17.4	23.1
495834 2000 SN_{51}	17.6	X	160.86952	158.90322	206.28858	9.16062	0.2971184	0.22368997	2.6876438	20	2 29.4	22.5
495835 2000 SH_{347}	16.0	X	191.14691	98.80645	240.45904	22.11975	0.4299113	0.17551286	3.1593429	20	2 17.6	22.6
495836 2001 RA_{51}	16.7	X	92.14305	57.51208	309.08598	10.76815	0.2259672	0.17396769	3.1780226	20	—	—
495837 2001 SB_{349}	16.7	X	168.66762	317.22597	65.99709	10.69546	0.2129503	0.23720267	2.5845781	20	3 30.9	21.2
495838 2001 VH_{96}	16.6	X	169.52127	212.32783	182.98371	12.09640	0.3123677	0.18253081	3.0778345	20	4 16.1	22.2
495839 2001 VK_{114}	16.3	X	162.15501	124.01436	254.65254	12.61776	0.2124181	0.23235644	2.6203918	20	3 8.7	21.0
495840 2001 WE_{27}	16.8	X	204.06643	306.79889	67.77200	18.67844	0.3066523	0.23981274	2.5657906	20	4 18.9	21.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495841 2001 XD_{15}	16.6	X	156.03792	255.98714	113.22706	17.51667	0.2362129	0.23052033	2.6342878	20	3 4.9	21.2
495842 2001 XE_{105}	15.7	X	146.32714	128.44009	259.70558	15.38626	0.3940185	0.18012969	3.1051256	20	3 19.7	21.8
495843 2001 XV_{124}	16.7	X	96.84730	336.61687	77.43361	12.77345	0.1545351	0.22703226	2.6612009	20	2 18.8	20.4
495844 2002 AD_{183}	17.1	X	62.35734	124.32569	117.52739	24.56582	0.0324217	0.34751884	2.0036282	20	9 11.3	19.7
495845 2002 PP_{123}	17.6	X	238.89905	158.06653	195.33118	5.44401	0.2714434	0.26050476	2.4280574	20	4 11.5	21.5
495846 2002 PW_{138}	17.7	X	210.41343	28.10226	341.00399	14.84939	0.2803359	0.25821478	2.4423917	20	4 3.0	22.2
495847 2002 PA_{180}	18.1	X	284.52237	357.39469	322.24762	3.26483	0.2309740	0.26526015	2.3989510	20	4 14.6	21.3
495848 2002 QD_{7}	18.0	X	249.13149	197.12324	197.96967	11.63495	0.6474965	0.26169951	2.4206617	20	5 16.5	23.2
495849 2002 QP_{61}	16.3	X	112.42016	38.24973	313.42065	10.66018	0.1522796	0.18594243	3.0400709	20	—	—
495850 2002 RK_{223}	15.2	X	96.95537	256.89765	101.33648	4.13471	0.2493861	0.12577284	3.9452828	20	1 6.7	20.8
495851 2002 TL_{68}	17.5	X	279.95065	97.57115	208.30443	20.12783	0.3703009	0.26274928	2.4142099	20	3 4.3	21.8
495852 2002 TF_{166}	18.0	X	254.06521	105.41855	242.88299	8.55450	0.2983582	0.26184411	2.4197705	20	4 13.0	22.0
495853 2002 TC_{303}	16.2	X	156.94829	129.09534	204.97223	22.08489	0.2219231	0.18752165	3.0229788	20	1 18.6	21.7
495854 2003 HA_{3}	16.4	X	96.11876	3.13067	209.73808	11.83460	0.2932525	0.19021333	2.9943927	20	9 14.6	21.6
495855 2003 KK_{8}	16.9	X	286.59196	353.11862	190.24266	11.11140	0.1899067	0.21313668	2.7756450	20	—	—
495856 2003 KM_{11}	19.5	X	291.32570	117.86947	206.91642	6.99139	0.4291365	0.28370069	2.2938365	20	4 2.7	22.8
495857 2003 MT	19.0	X	221.89078	44.37242	258.21325	25.15755	0.5604639	0.21129445	2.7917551	20	1 21.2	25.4
495858 2003 MJ_{4}	18.8	X	281.44998	271.70660	77.49122	5.31041	0.5619388	0.28185973	2.3038137	20	4 15.1	22.9
495859 2003 SA_{181}	15.4	X	23.14456	129.41970	261.00001	4.84885	0.2855854	0.12398133	3.9831977	20	—	—
495860 2003 SW_{187}	16.3	X	115.74890	126.29742	243.80867	7.25616	0.1089319	0.19876244	2.9079025	20	1 10.2	20.5
495861 2003 UR_{65}	18.0	X	274.80207	218.05740	122.87475	6.55736	0.3120550	0.27886485	2.3202789	20	4 25.6	21.5
495862 2003 WV_{130}	16.4	X	70.85335	149.84805	252.12007	9.90629	0.0882996	0.18872354	3.0101306	20	—	—
495863 2003 XV_{4}	17.7	X	236.82316	116.15061	240.92396	9.21395	0.3165307	0.27211670	2.3584821	20	4 8.6	22.0
495864 2004 CU_{7}	17.4	X	358.19718	2.01431	142.19174	14.17811	0.1993405	0.24190136	2.5510003	20	—	—
495865 2004 JC_{54}	17.0	X	271.85570	176.21534	68.36001	15.11811	0.2052392	0.23158391	2.6262161	20	1 6.7	21.3
495866 2004 MU_{2}	16.5	X	179.84250	96.74359	267.98397	7.79248	0.4670937	0.22046218	2.7138134	20	3 14.6	22.2
495867 2004 NZ_{15}	17.2	X	219.67944	53.52076	290.08787	11.05687	0.3427047	0.22800480	2.6536281	20	3 10.3	22.5
495868 2004 PE_{44}	18.4	X	174.03734	87.97075	219.95973	2.37218	0.2418110	0.27878255	2.3207356	20	—	—
495869 2004 PW_{89}	17.0	X	245.59952	18.86429	338.42672	3.84392	0.3111010	0.23128486	2.6284794	20	4 18.1	21.6
495870 2004 RB_{45}	17.4	X	203.39285	333.03166	339.40886	4.29339	0.3107592	0.22016810	2.7162294	20	2 1.1	22.3
495871 2004 RP_{52}	18.5	X	314.29187	158.17867	152.64811	2.33980	0.2917127	0.30176593	2.2013508	20	5 6.4	20.3
495872 2004 RX_{90}	17.4	X	199.37817	98.98920	272.35181	6.24285	0.3258944	0.22607702	2.6686919	20	4 1.6	22.5
495873 2004 RA_{91}	17.0	X	107.02210	160.43006	227.41735	7.34166	0.2996507	0.21185334	2.7868431	20	2 12.5	21.2
495874 2004 RU_{94}	16.7	X	314.15560	166.17235	181.46578	18.60703	0.2908607	0.17989627	3.1078111	20	6 29.4	20.6
495875 2004 RT_{105}	17.0	X	244.11651	80.71817	350.75873	28.70885	0.3378794	0.23665020	2.5885991	20	7 29.5	21.7
495876 2004 RP_{112}	17.5	X	183.31620	196.26375	217.36079	22.53569	0.2491068	0.28873013	2.2671207	20	5 13.5	21.4
495877 2004 RP_{124}	17.3	X	339.64490	122.74033	206.70382	3.05710	0.1837938	0.18197382	3.0841118	20	8 10.1	20.5
495878 2004 RQ_{171}	18.2	X	275.06134	48.32415	308.67591	1.31261	0.1910314	0.29907138	2.2145533	20	5 31.6	20.6
495879 2004 RG_{177}	17.4	X	309.35581	38.55896	269.13773	6.56105	0.2024263	0.29985302	2.2107032	20	5 7.0	19.6
495880 2004 RS_{188}	17.1	X	178.63944	36.61443	317.85673	8.88142	0.3218768	0.21914955	2.7246392	20	3 1.5	22.3
495881 2004 RT_{217}	17.0	X	223.71946	80.27507	259.17606	11.30354	0.2907388	0.22511152	2.6763171	20	3 9.7	22.1
495882 2004 RX_{219}	17.3	X	209.69366	99.24363	266.39713	11.69144	0.3398366	0.22480431	2.6787548	20	3 29.9	22.6
495883 2004 RN_{221}	16.9	X	193.40576	117.70442	269.19378	15.40005	0.2842020	0.22533914	2.6745145	20	4 13.8	22.0
495884 2004 RU_{336}	18.2	X	236.93453	180.02703	200.22303	5.88797	0.2054532	0.29356545	2.2421574	20	5 18.9	21.6
495885 2004 SE_{57}	17.1	X	232.91481	155.61643	168.02010	14.09857	0.2637765	0.22568135	2.6718102	20	3 3.9	21.7
495886 2004 TB_{7}	17.2	X	214.13545	230.92392	124.30179	7.71274	0.3585197	0.22577888	2.6710407	20	3 28.5	22.4
495887 2004 TA_{51}	17.5	X	183.71442	147.69334	230.89222	5.11342	0.3239672	0.22038651	2.7144346	20	4 1.9	22.5
495888 2004 TK_{137}	16.9	X	224.99178	345.39684	46.55964	7.80789	0.2585198	0.22919420	2.6444395	20	5 18.6	21.5
495889 2004 TJ_{183}	17.3	X	189.26283	105.87936	237.03472	3.97430	0.1833401	0.21798379	2.7343447	20	2 22.2	21.8
495890 2004 TM_{276}	16.8	X	209.74257	120.53760	214.81109	11.75034	0.2529499	0.21914005	2.7247179	20	2 27.2	21.9
495891 2004 VS_{60}	18.3	X	322.72957	94.39647	239.22619	20.28675	0.4640578	0.30682223	2.1770989	20	5 23.5	19.0
495892 2004 WA_{5}	17.7	X	202.34380	303.03868	78.90594	5.07687	0.2023335	0.28599610	2.2815464	20	4 20.8	21.5
495893 2004 XT_{9}	18.0	X	313.91380	151.13787	258.77147	4.69649	0.1928277	0.30737977	2.1744655	20	11 24.6	19.2
495894 2004 XU_{93}	16.7	X	11.45303	296.72391	274.37317	20.22336	0.1855426	0.27490306	2.3425183	20	4 10.9	19.3
495895 2005 GQ_{101}	16.3	X	242.60546	231.95689	29.70061	17.10439	0.0398953	0.18360402	3.0658290	20	1 22.5	21.1
495896 2005 LJ_{36}	17.6	X	243.66791	170.05099	166.12275	1.33847	0.2038796	0.25520154	2.4615795	20	3 30.2	21.6
495897 2005 MG_{44}	15.6	X	235.55467	2.72876	244.92415	28.73118	0.2679183	0.17494626	3.1661606	20	—	—
495898 2005 NQ_{21}	17.4	X	186.55996	212.61824	133.35877	13.23801	0.2504333	0.23779593	2.5802776	20	2 27.1	21.9
495899 2005 NO_{45}	17.5	X	204.09276	220.31954	139.05934	2.47491	0.2279260	0.24291763	2.5438804	20	3 25.8	21.8
495900 2005 QW_{27}	16.8	X	202.50896	314.45719	15.87952	11.66050	0.0849419	0.23389065	2.6089203	20	2 23.4	20.8
495901 2005 QO_{99}	18.5	X	155.32204	157.79473	187.37013	4.34846	0.1705015	0.29668907	2.2263923	20	1 16.6	21.6
495902 2005 QD_{108}	18.0	X	216.83837	70.62370	247.52597	1.73196	0.2427617	0.23761552	2.5815835	20	2 14.3	22.5
495903 2005 QO_{133}	17.7	X	247.64776	141.26126	165.70482	7.48108	0.2437341	0.24163439	2.5528789	20	2 24.5	21.9
495904 2005 RX_{25}	17.1	X	179.96101	166.68577	196.58157	6.30675	0.3117805	0.23363412	2.6108297	20	3 12.4	21.8
495905 2005 SU_{87}	17.7	X	94.99159	215.26338	159.60570	2.03217	0.1341797	0.21986976	2.7186860	20	—	—
495906 2005 SG_{154}	17.6	X	219.62600	69.72472	219.16815	2.64586	0.1913571	0.23164594	2.6257473	20	1 14.9	22.0
495907 2005 SU_{191}	17.5	X	46.94706	2.26432	35.08816	4.50117	0.1752476	0.21228548	2.7830597	20	—	—
495908 2005 SP_{256}	18.2	X	236.86529	334.03054	347.12195	4.69670	0.2877206	0.24143844	2.5542600	20	3 2.5	22.5
495909 2005 SV_{292}	18.3	X	195.65032	263.64317	204.73755	21.33809	0.1003664	0.38687543	1.8653283	20	8 13.5	21.0
495910 2005 TA_{118}	17.8	X	235.91690	332.90667	342.48419	1.77666	0.2066312	0.23799962	2.5788052	20	2 27.9	22.1
495911 2005 UG_{183}	17.4	X	279.96245	79.90730	225.92041	12.79175	0.2031128	0.24256209	2.5463657	20	3 25.4	21.2
495912 2005 UY_{201}	17.8	X	212.24941	117.96658	218.12616	10.11315	0.1500179	0.23217152	2.6217831	20	3 2.1	22.1
495913 2005 UF_{218}	17.0	X	105.26347	169.59826	242.92883	8.31689	0.1399780	0.22465380	2.6799511	20	2 16.9	20.8
495914 2005 UE_{224}	17.7	X	249.70193	53.05328	255.13031	3.45722	0.1008349	0.23485585	2.6017673	20	3 9.2	21.6
495915 2005 UW_{225}	16.9	X	353.46028	294.32896	235.81309	8.85665	0.0729378	0.22522790	2.6753951	20	1 29.1	20.4
495916 2005 UO_{286}	16.8	X	208.73028	113.85535	169.45690	4.56059	0.0433837	0.22159307	2.7045723	20	—	—
495917 2005 UT_{390}	16.6	X	205.89763	270.73729	43.38468	13.41072	0.1881638	0.23002267	2.6380860	20	2 8.1	21.3
495918 2005 UY_{484}	17.0	X	175.15385	169.19670	183.98525	11.61875	0.1947880	0.23010183	2.6374809	20	2 21.7	21.4
495919 2005 UD_{529}	17.6	X	166.36499	94.72079	239.62727	4.91866	0.0426393	0.22297383	2.6933955	20	1 13.4	21.4
495920 2005 VX_{15}	17.6	X	145.24378	100.38104	285.49866	10.07400	0.3154915	0.22940232	2.6428398	20	3 11.5	22.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495921 2005 VV_{73}	18.4	X	322.99505	290.06346	156.67632	2.61657	0.1711273	0.26760637	2.3849086	20	—	—
495922 2005 VN_{111}	17.5	X	63.58627	191.67136	261.81612	7.97295	0.1037654	0.21990646	2.7183835	20	2 7.5	20.9
495923 2005 WM_{145}	18.6	X	24.19655	128.74386	44.14920	3.03291	0.1265316	0.29301210	2.2449793	20	3 17.3	20.3
495924 2005 WQ_{185}	16.6	X	61.68387	190.18809	232.47629	8.87420	0.2538985	0.21509431	2.7587780	20	1 14.8	19.4
495925 2005 YV_{69}	16.9	X	224.27799	85.61969	58.11246	1.87614	0.1063690	0.18486455	3.0518765	20	10 16.4	21.5
495926 2005 YD_{88}	17.6	X	115.20620	101.84203	293.93144	3.74929	0.1695601	0.21586647	2.7521954	20	2 15.9	21.5
495927 2005 YF_{146}	16.7	X	169.74827	258.10178	88.58073	9.17489	0.2086603	0.21832101	2.7315282	20	2 16.1	21.3
495928 2005 YM_{178}	16.7	X	102.06198	120.60883	287.02245	10.48857	0.0429204	0.21165353	2.7885967	20	1 27.7	20.5
495929 2005 YB_{255}	16.9	X	92.92088	88.09497	310.77822	13.35337	0.2402375	0.21449656	2.7639011	20	2 3.5	20.3
495930 2006 AR_{2}	19.8	X	277.40731	287.48346	278.18616	29.97146	0.4176949	0.54282193	1.4883251	20	—	—
495931 2006 DV_{173}	17.4	X	241.63688	93.62918	108.68411	2.21079	0.1725078	0.18884608	3.0088282	20	—	—
495932 2006 DD_{179}	17.7	X	345.56664	42.07379	157.35106	8.99267	0.1727688	0.27830497	2.3233898	20	2 4.9	19.9
495933 2006 HQ_{66}	18.2	X	347.99260	18.85348	209.53796	5.13661	0.1764909	0.27846588	2.3224946	20	3 24.6	20.0
495934 2006 HR_{82}	18.2	X	327.84491	212.10626	49.44746	7.49488	0.1470960	0.27877779	2.3207620	20	4 13.9	20.4
495935 2006 JQ_{11}	16.6	X	199.23562	140.17263	88.31892	10.04959	0.1274873	0.17824032	3.1270302	20	12 25.3	21.5
495936 2006 KT_{74}	16.4	X	246.43796	131.74399	112.98373	10.90341	0.0571416	0.18891886	3.0080555	20	—	—
495937 2006 KB_{102}	16.1	X	81.16986	158.61329	206.11289	15.90415	0.1648838	0.17637476	3.1490418	20	—	—
495938 2006 QW_{82}	17.7	X	264.73991	152.91076	144.19096	11.66206	0.2389059	0.26364477	2.4087401	20	2 27.1	21.5
495939 2006 QH_{90}	16.1	X	161.71805	131.72546	232.22790	11.85017	0.3854085	0.17894835	3.1187765	20	3 3.6	22.1
495940 2006 QH_{186}	18.3	X	251.15865	221.90529	109.98928	3.11848	0.2259329	0.26289974	2.4132887	20	3 30.8	22.2
495941 2006 RQ_{3}	17.5	X	312.88275	60.10730	266.32091	9.53935	0.2837990	0.27618261	2.3352775	20	5 30.2	19.7
495942 2006 RN_{70}	18.5	X	27.45428	129.10646	190.07860	2.92828	0.2388176	0.28829626	2.2693948	20	11 28.9	21.1
495943 2006 RE_{96}	17.8	X	197.89337	38.87465	351.84196	2.64642	0.1741826	0.25809799	2.4431285	20	4 26.5	21.7
495944 2006 SX_{140}	18.3	X	84.50868	242.98220	110.90086	7.75030	0.2397487	0.30313841	2.1947012	20	—	—
495945 2006 SZ_{354}	18.0	X	334.41026	181.10998	157.66139	2.56256	0.2188412	0.27737632	2.3285727	20	9 1.7	19.1
495946 2006 SQ_{407}	16.6	X	174.40354	290.40785	10.96567	13.20959	0.2596410	0.17100145	3.2146685	20	1 5.1	22.4
495947 2006 UD_{38}	17.5	X	99.97899	307.23926	38.63883	12.18321	0.1970971	0.23000601	2.6382134	20	—	—
495948 2006 UM_{151}	18.1	X	91.10257	218.11843	220.17472	13.77237	0.2384743	0.24105207	2.5569887	20	3 15.8	21.6
495949 2006 UP_{284}	18.0	X	213.42979	54.74270	49.14811	7.86024	0.1757160	0.26790966	2.3831084	20	8 20.4	21.7
495950 2006 UV_{334}	17.5	X	251.96054	75.43496	251.57521	5.30986	0.2409232	0.25600583	2.4564211	20	3 20.5	21.7
495951 2006 VJ_{115}	16.2	X	161.43925	130.58300	238.82236	10.05725	0.3131629	0.17561006	3.1581770	20	3 7.4	22.1
495952 2006 WZ_{13}	17.4	X	142.76943	170.09654	230.03580	7.15588	0.2242940	0.24399273	2.5364022	20	3 21.9	21.7
495953 2006 WP_{105}	17.9	X	81.73705	266.45878	164.53519	0.81365	0.1295462	0.23580597	2.5947739	20	2 9.2	21.0
495954 2007 BZ_{72}	17.5	X	0.46275	294.97728	151.20883	12.64436	0.4708102	0.21787758	2.7352332	20	—	—
495955 2007 BY_{101}	16.1	X	334.87117	222.16149	277.89241	10.58716	0.0952476	0.21701376	2.7424868	20	—	—
495956 2007 DF_{22}	16.6	X	300.09724	226.19761	160.80114	9.25001	0.0447222	0.18388563	3.0626981	20	9 3.4	20.7
495957 2007 EW_{91}	16.8	X	262.90588	41.87121	166.03156	13.34768	0.1957896	0.21057339	2.7981247	20	—	—
495958 2007 LV_{12}	16.9	X	203.82873	104.77162	200.39123	14.35472	0.1519375	0.20351664	2.8624381	20	1 21.2	21.9
495959 2007 ML_{6}	18.6	X	299.68390	221.03803	109.73976	11.39500	0.4652320	0.29535987	2.2330669	20	4 19.8	21.9
495960 2007 MT_{20}	18.8	X	27.27829	148.61479	226.37431	16.63747	0.6130483	0.39291528	1.8461633	20	—	—
495961 2007 PB_{47}	17.9	X	285.71255	206.75624	144.17022	7.00410	0.2073115	0.29529032	2.2334175	20	6 5.9	20.5
495962 2007 RS_{6}	17.8	X	205.64238	160.48604	189.52881	6.22203	0.1238553	0.27879792	2.3206503	20	3 12.5	21.1
495963 2007 RX_{43}	18.6	X	217.95321	67.71149	329.53273	6.38194	0.1108427	0.28618179	2.2805594	20	5 27.4	21.9
495964 2007 RT_{44}	18.5	X	264.90581	75.88803	291.12036	3.38401	0.2271813	0.29120856	2.2542390	20	5 27.2	21.6
495965 2007 RW_{132}	16.5	X	66.89362	61.53719	321.24117	8.19968	0.0838693	0.17473954	3.1686572	20	—	—
495966 2007 RC_{143}	18.5	X	351.79787	101.43828	217.97583	2.94258	0.2463288	0.30481356	2.1866529	20	9 28.2	19.4
495967 2007 RH_{213}	18.2	X	188.43965	34.97245	315.88797	0.55142	0.2064345	0.27332217	2.3515424	20	2 28.9	22.1
495968 2007 RP_{234}	18.4	X	245.33278	49.86291	278.54986	0.91209	0.0952676	0.28145848	2.3060028	20	3 28.6	21.6
495969 2007 RB_{273}	16.6	X	125.21277	107.45940	222.66222	4.26038	0.1383427	0.17586717	3.1550981	20	—	—
495970 2007 RY_{284}	16.8	X	148.87525	144.34126	175.43175	6.04590	0.2142059	0.18068452	3.0987657	20	—	—
495971 2007 TK_{9}	18.3	X	200.09255	192.43551	164.69158	2.35503	0.2466501	0.27514879	2.3411234	20	3 17.5	22.3
495972 2007 TY_{11}	16.2	X	155.69581	340.98488	27.71381	8.43583	0.2552476	0.18805224	3.0172899	20	3 6.6	21.4
495973 2007 TC_{13}	18.4	X	282.72275	141.81852	189.51236	2.33882	0.2972217	0.28946303	2.2632923	20	4 19.9	21.6
495974 2007 TH_{40}	16.1	X	174.25392	153.79637	201.82179	12.32690	0.2762363	0.18951943	3.0016972	20	2 28.6	21.6
495975 2007 TH_{60}	16.5	X	82.04682	137.91679	218.61142	8.02407	0.1984453	0.16903064	3.2396077	20	—	—
495976 2007 TE_{65}	17.7	X	22.09098	312.73817	192.28621	4.75899	0.0832909	0.25974655	2.4327801	20	2 3.6	20.3
495977 2007 TJ_{105}	16.2	X	108.44339	38.41064	306.48894	10.46839	0.1366354	0.17584272	3.1553905	20	—	—
495978 2007 TG_{127}	18.4	X	273.72617	291.04254	48.20742	3.79128	0.2625461	0.28688476	2.2768324	20	4 25.4	21.5
495979 2007 TM_{145}	18.1	X	307.53747	2.07353	354.33415	1.89593	0.2115557	0.29657301	2.2269731	20	7 25.9	19.6
495980 2007 TW_{270}	17.9	X	300.80783	65.39746	233.48886	4.70836	0.2464251	0.28591679	2.2819683	20	4 3.2	20.6
495981 2007 TQ_{278}	16.4	X	147.85835	99.47430	218.70779	6.53766	0.1885376	0.17841366	3.1250045	20	—	—
495982 2007 TS_{332}	16.2	X	159.81712	104.21285	226.66190	14.48725	0.2467472	0.18140307	3.0905775	20	1 20.1	21.7
495983 2007 TD_{334}	18.8	X	202.13437	158.99216	236.68186	5.83916	0.1600804	0.27755214	2.3275892	20	5 7.2	22.4
495984 2007 TW_{398}	16.5	X	120.27456	162.14729	234.63245	9.43067	0.1115623	0.18258311	3.0772467	20	2 16.2	21.2
495985 2007 TF_{399}	16.1	X	143.95420	291.93423	32.64205	25.56077	0.1625227	0.17526232	3.1623529	20	—	—
495986 2007 TN_{408}	18.0	X	195.36526	119.67459	228.79586	1.63070	0.2082582	0.27214934	2.3582935	20	3 2.2	21.8
495987 2007 TP_{426}	18.1	X	343.23753	78.33936	239.19478	9.19442	0.2526045	0.29716761	2.2240014	20	8 19.2	19.2
495988 2007 TX_{432}	17.3	X	31.86152	130.45626	203.05921	7.78733	0.2063466	0.23244295	2.6197416	20	12 5.4	20.8
495989 2007 TJ_{450}	17.8	X	249.57279	83.80827	232.46586	7.13159	0.2381798	0.27558240	2.3386671	20	3 3.5	21.7
495990 2007 UY_{4}	18.1	X	246.80854	265.91809	73.16624	2.85783	0.2348305	0.28150104	2.3057703	20	4 2.9	21.6
495991 2007 UY_{7}	17.6	X	204.13622	105.05574	301.61261	4.52636	0.2429463	0.27966859	2.3158313	20	5 19.9	21.6
495992 2007 US_{98}	18.2	X	215.59475	119.85657	240.24262	1.37279	0.2316492	0.27513544	2.3411992	20	4 1.6	22.0
495993 2007 UD_{102}	15.8	X	139.74169	79.02578	237.21366	24.79921	0.1979608	0.16936169	3.2353847	20	—	—
495994 2007 UG_{115}	18.2	X	333.34523	51.54813	37.91499	5.23560	0.1842913	0.23536993	2.5979776	20	—	—
495995 2007 VK_{4}	15.8	X	148.33074	97.82399	266.24444	11.34747	0.1497164	0.18301698	3.0723814	20	2 9.9	20.8
495996 2007 VP_{58}	17.6	X	94.89646	309.62851	241.29794	19.48433	0.0526783	0.36308428	1.9459474	20	7 29.7	20.3
495997 2007 VH_{96}	16.9	X	294.51142	24.83104	50.31930	15.28410	0.4357278	0.22080194	2.7110288	20	9 14.2	19.9
495998 2007 VU_{113}	16.7	X	145.51981	257.87606	118.38828	2.54204	0.2699461	0.18340597	3.0680357	20	3 6.4	21.9
495999 2007 VM_{152}	16.0	X	153.12191	134.07525	245.86528	9.33146	0.2429438	0.18570233	3.0426908	20	3 9.6	21.4
496000 2007 VZ_{156}	17.7	X	1.28270	211.98741	200.28148	4.53541	0.2661631	0.23594771	2.5937346	20	—	—