Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492001 2013 EH_{111}	17.8	X	34.25956	122.26287	75.26010	4.82305	0.1589516	0.25262801	2.4782687	21	5 5.0	20.1
492002 2013 EB_{117}	18.2	X	13.40969	94.07224	141.46447	4.90726	0.1556968	0.25914106	2.4365681	21	5 19.7	20.3
492003 2013 ES_{122}	17.9	X	60.64893	28.48849	180.30162	6.82316	0.0819223	0.26541663	2.3980080	21	6 27.3	20.7
492004 2013 FT_{4}	17.7	X	345.34596	271.05160	24.21649	2.54185	0.1920528	0.26137380	2.4226724	21	6 18.3	19.5
492005 2013 FK_{6}	17.2	X	65.66617	68.58596	24.51668	9.27802	0.0841551	0.23191827	2.6236913	21	1 30.7	20.4
492006 2013 FT_{8}	18.4	X	20.17416	195.22686	22.99735	2.73890	0.1359863	0.25411898	2.4685655	21	5 4.5	20.7
492007 2013 FE_{10}	17.6	X	90.68233	162.06651	3.44503	5.01441	0.1325739	0.26326559	2.4110524	21	6 18.0	20.6
492008 2013 FE_{13}	17.7	X	124.47317	36.56723	102.99536	7.33885	0.0676013	0.26589753	2.3951158	21	6 17.2	20.7
492009 2013 FG_{16}	17.1	X	9.27174	189.55334	15.91676	15.04431	0.0348873	0.24578415	2.5240627	21	3 31.9	20.1
492010 2013 FM_{18}	16.8	X	35.07012	101.92428	19.75115	9.02337	0.0496627	0.23002136	2.6380961	21	1 20.6	20.2
492011 2013 FA_{23}	18.0	X	27.07513	234.46594	1.35220	0.79249	0.1365352	0.25929671	2.4355929	21	6 16.2	20.0
492012 2013 FD_{23}	17.6	X	46.95970	1.68303	206.72175	6.06388	0.0800590	0.25973608	2.4328455	21	6 4.9	20.4
492013 2013 FT_{24}	17.9	X	14.28040	17.23825	228.03346	1.39461	0.1474228	0.25690821	2.4506656	21	6 4.9	20.1
492014 2013 FN_{27}	18.0	X	337.36552	184.74489	27.58450	2.82178	0.1467971	0.23516375	2.5994958	21	2 9.8	21.0
492015 2013 GU	16.7	X	59.48059	330.37486	88.70099	7.37054	0.1075034	0.21628608	2.7486346	21	—	—
492016 2013 GS_{10}	17.5	X	46.00707	8.82528	132.68810	6.03284	0.0752320	0.24005325	2.5640765	21	3 1.7	20.4
492017 2013 GC_{13}	17.7	X	37.73599	216.38960	353.26377	7.08863	0.0674626	0.25940713	2.4349017	21	5 17.7	20.5
492018 2013 GO_{15}	17.0	X	289.30795	220.06870	31.71379	15.71482	0.2412414	0.22713714	2.6603817	21	1 25.0	21.5
492019 2013 GD_{20}	18.2	X	3.79770	81.50091	186.40578	11.62617	0.2563301	0.25560843	2.4589664	21	6 18.6	20.0
492020 2013 GK_{26}	17.2	X	279.90636	234.35775	5.03783	7.70528	0.1475768	0.22431522	2.6826472	21	1 7.4	21.3
492021 2013 GT_{33}	17.7	X	316.06744	338.74736	294.06341	2.18078	0.1291525	0.24486522	2.5303736	21	3 30.8	20.8
492022 2013 GQ_{35}	17.1	X	317.74417	60.34962	195.52601	31.14038	0.2902607	0.23394750	2.6084976	21	2 11.6	21.3
492023 2013 GT_{37}	17.4	X	298.65281	78.46067	187.84041	14.98080	0.1227193	0.23764036	2.5814036	21	2 27.5	21.0
492024 2013 GM_{42}	17.2	X	93.78980	62.06916	35.62016	11.11886	0.1033614	0.23947327	2.5682148	21	3 22.0	20.5
492025 2013 GJ_{48}	17.9	X	318.45439	214.75393	48.00219	7.97552	0.1821622	0.24170928	2.5523516	21	3 17.9	21.1
492026 2013 GK_{49}	17.9	X	17.89893	85.16998	181.27108	2.37358	0.1723996	0.26159900	2.4212817	21	7 19.6	19.9
492027 2013 GU_{49}	17.2	X	62.07825	297.39765	187.36368	8.68217	0.1116553	0.23917782	2.5703294	21	3 5.1	20.2
492028 2013 GU_{55}	17.8	X	344.89228	201.21552	34.06301	13.73873	0.2016489	0.24379174	2.5377961	21	3 21.2	20.5
492029 2013 GB_{67}	17.5	X	127.90977	245.04223	188.15229	10.21812	0.2566548	0.25483919	2.4639123	21	4 16.6	21.2
492030 2013 GU_{70}	17.3	X	334.74550	211.61698	23.07056	9.24702	0.1158975	0.23826656	2.5768788	21	3 14.2	20.4
492031 2013 GH_{71}	17.8	X	123.56095	359.40150	60.83891	2.19616	0.1070466	0.23463079	2.6034308	21	3 9.8	21.2
492032 2013 GO_{71}	17.3	X	349.72119	215.77996	46.39437	6.98562	0.0682296	0.25215234	2.4813844	21	5 16.8	19.9
492033 2013 GB_{73}	17.7	X	313.87025	224.82420	30.41714	11.61985	0.1824567	0.23814850	2.5777303	21	3 3.8	21.2
492034 2013 GY_{76}	17.4	X	355.74601	222.07480	38.99952	4.46713	0.1597972	0.25524736	2.4612848	21	5 19.2	19.5
492035 2013 GN_{78}	17.2	X	352.34822	147.46117	49.06730	6.03739	0.2151984	0.23361509	2.6109714	21	2 3.9	20.1
492036 2013 GV_{81}	16.8	X	117.20377	222.25517	212.42684	21.47147	0.0485530	0.22783214	2.6549686	21	3 6.5	20.8
492037 2013 GT_{87}	16.1	X	279.38151	114.08037	62.08525	15.86836	0.0951658	0.20223486	2.8745202	21	—	—
492038 2013 GT_{88}	17.2	X	10.05494	346.76295	197.48043	13.84140	0.1756422	0.23473268	2.6026774	21	2 18.9	20.0
492039 2013 GE_{91}	17.6	X	340.64524	49.16557	219.43682	11.35458	0.2455432	0.24226739	2.5484302	21	4 17.3	19.8
492040 2013 GN_{97}	17.6	X	355.30774	223.69294	350.31635	3.06907	0.1460713	0.24169592	2.5524457	21	3 11.4	20.2
492041 2013 GB_{102}	17.9	X	104.51751	174.53609	32.97899	2.88885	0.1860766	0.27726710	2.3291841	21	9 9.9	21.3
492042 2013 GJ_{112}	17.7	X	351.13540	355.22636	250.13110	3.62516	0.2141803	0.24298839	2.5433866	21	4 8.2	19.9
492043 2013 GL_{112}	17.6	X	334.04932	23.11662	219.89574	13.66213	0.2107862	0.23781275	2.5801560	21	3 1.1	20.9
492044 2013 GC_{116}	17.0	X	99.69191	332.78801	163.25076	14.90790	0.0614356	0.25081056	2.4902264	21	5 13.3	20.5
492045 2013 GR_{129}	17.5	X	10.24801	110.03746	64.52858	13.72886	0.1840504	0.23773383	2.5807270	21	2 14.1	20.3
492046 2013 GE_{130}	17.2	X	300.73761	72.37226	178.91077	11.68244	0.2613475	0.22860940	2.6489473	21	1 26.0	21.3
492047 2013 GR_{131}	17.0	X	311.70034	49.16722	163.55541	14.31604	0.1544370	0.22775167	2.6555939	21	1 5.7	21.0
492048 2013 GC_{136}	17.0	X	259.46708	133.53068	139.56115	5.69877	0.1346680	0.21852338	2.7298416	21	1 28.1	21.1
492049 2013 HX_{1}	17.0	X	278.62371	197.48758	92.42184	9.39435	0.0723458	0.23510391	2.5999369	21	3 20.4	20.7
492050 2013 HB_{6}	17.3	X	331.86913	150.98432	112.02952	6.26198	0.1735895	0.23981409	2.5657810	21	4 9.4	20.2
492051 2013 HV_{8}	17.7	X	354.20688	358.74652	154.16680	13.42929	0.2184087	0.22888416	2.6468270	21	—	—
492052 2013 HF_{11}	17.1	X	281.57747	220.75781	33.71284	13.72304	0.2136282	0.22335399	2.6903384	21	1 23.4	21.6
492053 2013 HJ_{14}	17.3	X	348.75627	90.51126	126.61418	13.47958	0.1257917	0.23739586	2.5831758	21	3 12.2	20.3
492054 2013 HK_{17}	16.6	X	333.77348	10.14740	233.80679	13.23021	0.0810242	0.23570268	2.5955319	21	3 22.6	20.1
492055 2013 HF_{25}	16.6	X	43.66146	131.23910	36.93621	12.82858	0.1077291	0.24006031	2.5640263	21	4 8.5	19.4
492056 2013 HS_{25}	17.1	X	281.68664	153.47244	143.53129	14.38070	0.2491507	0.22817838	2.6522821	21	3 9.6	21.2
492057 2013 HN_{26}	17.3	X	263.32646	235.14877	38.35793	4.66899	0.1125971	0.22363702	2.6880680	21	2 4.6	21.4
492058 2013 HH_{27}	17.2	X	318.57604	9.88112	224.40519	13.15160	0.2042668	0.22992331	2.6388460	21	1 29.7	21.0
492059 2013 HP_{28}	16.9	X	234.15317	200.82393	108.62344	10.59489	0.2031093	0.21786190	2.7353644	21	2 16.4	21.5
492060 2013 HH_{52}	17.4	X	341.55798	1.46058	266.91491	4.70201	0.1157354	0.25161467	2.4849181	21	5 6.5	19.9
492061 2013 HY_{54}	17.8	X	96.24024	207.09285	267.10397	2.85291	0.0586225	0.24457684	2.5323622	21	4 2.9	21.1
492062 2013 HV_{82}	17.8	X	58.59928	119.19584	6.88811	2.88374	0.0511463	0.23356492	2.6113453	21	2 27.1	20.8
492063 2013 HY_{99}	17.0	X	40.88984	201.16628	204.82490	14.67256	0.1290504	0.20299782	2.8673132	21	—	—
492064 2013 HL_{101}	17.7	X	202.14339	341.45852	52.18823	2.29058	0.2413778	0.25233792	2.4801676	21	4 27.2	21.8
492065 2013 HU_{108}	17.7	X	131.66526	2.48121	44.11798	2.95498	0.2054216	0.23367813	2.6105018	21	3 14.4	21.6
492066 2013 HC_{109}	17.4	X	247.16752	230.24330	53.88355	3.33386	0.0236642	0.22724300	2.6595554	21	2 5.9	21.0
492067 2013 HE_{113}	17.4	X	29.29012	73.80562	21.38879	4.24015	0.0386350	0.21356701	2.7719152	21	—	—
492068 2013 HG_{116}	17.9	X	28.22720	83.90433	42.50876	2.83593	0.0949912	0.22590226	2.6700680	21	1 14.3	21.0
492069 2013 HQ_{125}	17.2	X	81.59229	219.86289	225.52923	13.09473	0.0673124	0.22945646	2.6424241	21	2 3.0	20.9
492070 2013 HB_{136}	17.7	X	322.67534	266.78937	4.82941	2.71243	0.2024414	0.24183053	2.5514983	21	3 28.7	20.5
492071 2013 HB_{144}	17.6	X	338.01697	137.24629	94.60127	12.13067	0.1824228	0.23983562	2.5656275	21	3 7.8	20.7
492072 2013 JY	18.6	X	332.60858	106.60419	153.12268	3.94245	0.2466026	0.24179532	2.5517461	21	3 21.7	21.3
492073 2013 JK_{1}	17.8	X	289.59856	146.47946	119.24687	5.63061	0.1747674	0.23100290	2.6306178	21	2 13.9	21.7
492074 2013 JM_{1}	17.4	X	284.17549	93.45177	166.85477	6.58787	0.1772517	0.22746286	2.6578413	21	1 31.0	21.5
492075 2013 JE_{2}	16.7	X	278.58038	123.91882	167.04043	28.17720	0.0873800	0.23033853	2.6356738	21	3 16.1	20.4
492076 2013 JC_{5}	17.0	X	1.00017	4.08332	227.13417	12.70946	0.1116759	0.24312405	2.5424403	21	4 17.5	19.7
492077 2013 JN_{5}	16.4	X	199.93649	205.84023	51.09524	16.16357	0.1013063	0.20553485	2.8436692	21	—	—
492078 2013 JO_{9}	17.5	X	289.36834	253.42899	36.09620	2.18378	0.1987849	0.23400447	2.6080742	21	3 11.9	21.2
492079 2013 JH_{10}	17.4	X	11.15232	203.21803	48.85647	7.61351	0.0723257	0.25462889	2.4652687	21	6 6.9	20.0
492080 2013 JT_{11}	17.6	X	351.93370	163.41196	75.56593	3.61810	0.1215415	0.24321591	2.5418001	21	4 14.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492081 2013 JB_{14}	16.9	X	247.03366	254.83352	53.17806	12.90470	0.1897809	0.22230935	2.6987598	21	3 1.9	21.5
492082 2013 JE_{15}	16.1	X	14.31098	314.76348	254.20797	13.11339	0.1310560	0.24078626	2.5588702	21	4 5.0	19.1
492083 2013 JT_{20}	17.6	X	309.15865	163.97259	119.47056	7.66907	0.1200654	0.23695148	2.5864044	21	4 12.1	21.0
492084 2013 JC_{22}	16.6	X	29.23926	28.41447	166.89758	8.11944	0.1374301	0.24138560	2.5546328	21	4 22.6	19.2
492085 2013 JM_{30}	17.5	X	303.87282	14.71709	235.47410	5.44267	0.1450175	0.22771185	2.6559035	21	2 11.9	21.3
492086 2013 JT_{31}	17.4	X	310.80659	97.95402	166.42406	13.21448	0.1162475	0.23224721	2.6212134	21	3 18.1	20.6
492087 2013 JW_{35}	16.2	X	129.09467	238.81296	97.30918	11.49155	0.1022997	0.19216383	2.9740958	21	—	—
492088 2013 JK_{38}	16.5	X	215.41775	252.83297	105.97217	14.99332	0.0769415	0.23147151	2.6270662	21	4 7.8	20.7
492089 2013 JE_{39}	17.6	X	358.14747	104.93794	89.62734	3.91887	0.1463701	0.23644600	2.5900893	21	2 19.8	20.3
492090 2013 JX_{40}	17.5	X	16.85111	171.54249	40.18275	2.22322	0.0790265	0.24345565	2.5401312	21	4 20.1	20.2
492091 2013 JW_{45}	17.0	X	312.49978	249.54632	43.26807	12.26254	0.1810338	0.23987620	2.5653381	21	4 18.0	20.0
492092 2013 JD_{46}	16.4	X	155.94116	101.26722	239.86451	13.58154	0.1637989	0.20320456	2.8653680	21	1 14.0	21.1
492093 2013 JD_{47}	16.8	X	346.98839	115.65629	105.59786	14.77009	0.0156136	0.23019863	2.6367415	21	4 1.2	20.6
492094 2013 JF_{54}	17.4	X	318.67917	72.41435	197.12157	3.28504	0.2046927	0.23685772	2.5870869	21	3 19.8	20.5
492095 2013 JX_{54}	17.0	X	348.79954	191.02646	58.21984	15.71987	0.0558807	0.24371866	2.5383034	21	5 2.2	20.1
492096 2013 JC_{55}	17.7	X	7.09753	140.03320	77.81962	5.41326	0.1062246	0.24020564	2.5629920	21	4 14.2	20.5
492097 2013 JF_{55}	17.8	X	17.71145	194.15795	102.06597	2.34357	0.1794892	0.26307876	2.4121937	21	9 9.3	19.9
492098 2013 JU_{56}	17.1	X	280.58566	176.06007	74.00142	13.66296	0.0672119	0.21995813	2.7179578	21	2 1.6	21.1
492099 2013 JA_{57}	17.3	X	346.86838	15.89817	216.77910	12.93849	0.1147080	0.23764569	2.5813650	21	3 24.8	20.5
492100 2013 JV_{60}	17.9	X	303.30115	45.06975	212.22201	1.59592	0.1568408	0.22864947	2.6486378	21	2 20.1	21.5
492101 2013 JV_{61}	17.2	X	270.23231	74.02556	217.14978	9.49027	0.1207483	0.22597544	2.6694915	21	2 27.1	21.3
492102 2013 JT_{62}	17.1	X	1.07478	26.09416	174.98443	5.21733	0.1210220	0.23569420	2.5955941	21	3 6.9	20.0
492103 2013 JV_{62}	17.3	X	311.86797	228.81380	38.57513	10.07905	0.1765607	0.23595266	2.5936984	21	3 17.3	20.7
492104 2013 KM	17.3	X	323.02271	206.69481	58.27077	3.85490	0.1414974	0.23847422	2.5753826	21	4 1.3	20.3
492105 2013 KT_{2}	16.2	X	17.02231	312.82832	259.77700	11.16471	0.1845996	0.24281193	2.5446186	21	4 16.5	18.6
492106 2013 KX_{2}	16.8	X	318.03697	188.18271	76.98926	14.98202	0.1327103	0.23456513	2.6039166	21	4 3.5	20.4
492107 2013 KC_{3}	17.5	X	343.87812	72.49308	171.87880	29.09598	0.3407887	0.23625152	2.5915105	21	3 1.9	20.2
492108 2013 KM_{7}	16.8	X	38.45929	44.42415	147.20203	14.02540	0.2504628	0.24416858	2.5351843	21	5 21.4	19.2
492109 2013 KR_{8}	16.9	X	7.18317	321.14385	221.90623	12.81432	0.0261436	0.23233174	2.6205775	21	2 23.1	20.6
492110 2013 KE_{9}	17.5	X	262.92088	56.49577	214.29345	2.95479	0.1557406	0.21584513	2.7523767	21	1 26.9	21.7
492111 2013 KW_{12}	17.4	X	38.34496	338.35710	217.96702	3.75846	0.1856568	0.24529752	2.5273998	21	5 14.8	19.7
492112 2013 KC_{15}	17.3	X	315.03071	134.33240	158.46142	8.85395	0.1528923	0.23963741	2.5670420	21	4 27.2	20.5
492113 2013 KY_{17}	16.8	X	41.70408	68.88463	119.94022	12.05224	0.2239882	0.24394829	2.5367102	21	5 20.3	19.3
492114 2013 KC_{18}	17.2	X	292.01889	31.04362	226.02847	4.54070	0.2547524	0.22511056	2.6763247	21	1 26.6	21.4
492115 2013 LO	16.4	X	42.52782	261.88063	241.47662	13.71898	0.0773096	0.22780464	2.6551823	21	2 20.9	20.0
492116 2013 LP	16.9	X	336.46718	332.76409	242.35121	12.03230	0.1478106	0.22867404	2.6484481	21	2 6.8	20.4
492117 2013 LJ_{2}	17.2	X	297.88909	145.86102	123.29648	20.11458	0.2035411	0.22741646	2.6582028	21	2 26.6	21.2
492118 2013 LC_{4}	17.3	X	26.84642	125.21124	69.17711	10.05353	0.1062491	0.23959727	2.5673287	21	4 17.7	20.1
492119 2013 LA_{5}	17.1	X	303.99224	172.48358	83.18723	12.21985	0.1377675	0.22751400	2.6574431	21	2 28.1	20.9
492120 2013 LP_{6}	16.9	X	242.02560	97.80116	211.58292	8.42680	0.2141665	0.21665294	2.7455309	21	2 17.3	21.6
492121 2013 LP_{8}	17.0	X	317.01335	112.94791	145.08584	14.13376	0.1362013	0.23074345	2.6325894	21	3 17.4	20.4
492122 2013 LC_{18}	16.6	X	99.39164	242.12657	239.95880	21.31968	0.0918390	0.23979482	2.5659185	21	4 22.9	20.2
492123 2013 LO_{18}	17.2	X	304.74974	216.71450	72.13549	5.39415	0.2306904	0.23624980	2.5915231	21	3 26.3	20.8
492124 2013 LM_{23}	17.5	X	303.44710	137.70366	93.63496	2.93252	0.1379448	0.22292617	2.6937793	21	1 23.5	21.3
492125 2013 LW_{23}	16.6	X	110.30259	26.82278	75.52179	13.83017	0.1016467	0.23614371	2.5922992	21	4 21.4	20.3
492126 2013 LT_{24}	17.1	X	296.15612	103.77107	223.32387	14.27786	0.1897799	0.24090257	2.5580465	21	5 8.4	20.2
492127 2013 LK_{26}	17.0	X	207.32920	194.12947	128.40934	9.76639	0.1452397	0.21298256	2.7769838	21	2 9.0	21.4
492128 2013 LH_{32}	17.5	X	335.38741	78.06064	189.66990	8.48769	0.1368163	0.23939041	2.5688074	21	4 25.8	20.4
492129 2013 LR_{34}	16.6	X	245.07167	25.45117	259.85771	10.68145	0.2162871	0.21222259	2.7836095	21	1 23.5	21.5
492130 2013 MJ_{1}	17.0	X	331.53975	357.45735	205.96750	12.96399	0.0989902	0.22251754	2.6970762	21	1 25.7	20.9
492131 2013 MX_{1}	16.9	X	256.35726	211.67375	123.03017	13.39823	0.1049749	0.23367153	2.6105510	21	4 18.4	21.0
492132 2013 MK_{9}	16.6	X	258.12538	18.43525	306.29321	8.60071	0.1811215	0.22115164	2.7081701	21	3 21.9	21.0
492133 2013 MY_{10}	16.1	X	84.91690	277.09283	90.26928	10.76931	0.0882795	0.17502308	3.1652341	21	—	—
492134 2013 ME_{11}	16.3	X	138.47289	190.70019	102.79681	12.23981	0.0939093	0.17076146	3.2176797	21	—	—
492135 2013 NV_{5}	17.2	X	277.34855	342.25758	296.48697	3.00790	0.0666840	0.21450937	2.7637910	21	3 2.0	21.1
492136 2013 NE_{6}	17.6	X	317.54417	122.75660	152.01471	5.75007	0.1753535	0.22877855	2.6476415	21	4 2.6	20.9
492137 2013 NU_{8}	16.4	X	114.12151	86.90951	268.22438	7.00942	0.0404867	0.18229802	3.0804541	21	—	—
492138 2013 NJ_{9}	16.4	X	108.08513	218.30721	133.94898	8.81644	0.1771836	0.17503182	3.1651287	21	—	—
492139 2013 NK_{18}	18.2	X	127.35936	344.84793	307.91087	2.81730	0.1567105	0.28785001	2.2717396	21	—	—
492140 2013 NU_{19}	17.0	X	195.25379	146.47382	130.47611	11.83601	0.1329793	0.18380215	3.0636254	21	—	—
492141 2013 ND_{20}	16.4	X	287.71731	340.65286	197.78285	10.84529	0.0972495	0.17986119	3.1082151	21	—	—
492142 2013 NR_{23}	18.2	X	162.47569	356.30580	228.60974	6.09575	0.1401623	0.27901837	2.3194278	21	11 24.5	21.6
492143 2013 OE	17.7	X	184.08780	220.21250	230.03725	9.78684	0.5092637	0.33999149	2.0330935	21	6 21.0	22.1
492144 2013 OP_{1}	16.4	X	145.68210	72.17776	261.11010	8.34901	0.0905244	0.17692059	3.1425616	21	—	—
492145 2013 OS_{2}	16.9	X	264.18839	190.60232	107.65036	23.03472	0.1806880	0.21365848	2.7711240	21	3 7.8	21.6
492146 2013 OA_{6}	16.0	X	163.20089	86.48519	243.56339	7.91785	0.1355460	0.18500665	3.0503135	21	1 10.5	20.8
492147 2013 OB_{6}	16.0	X	50.92042	292.24991	109.69234	10.28144	0.0704860	0.17382416	3.1797718	21	—	—
492148 2013 OK_{6}	16.2	X	193.98072	107.05151	182.54284	10.59633	0.0521943	0.17994920	3.1072016	21	—	—
492149 2013 OA_{10}	16.4	X	317.83096	126.17667	148.72785	19.27242	0.2355553	0.22489785	2.6780120	21	3 27.4	20.0
492150 2013 PY_{7}	17.1	X	55.97744	105.49826	205.49151	13.50009	0.1102442	0.26223870	2.4173425	21	11 18.6	20.3
492151 2013 PF_{8}	16.6	X	248.21121	307.22244	292.46535	11.86779	0.1298660	0.18428391	3.0582837	21	—	—
492152 2013 PG_{8}	16.6	X	350.18816	306.42769	202.19041	8.97260	0.0575309	0.18385680	3.0630183	21	—	—
492153 2013 PO_{8}	16.7	X	349.11356	261.36243	229.43658	7.70520	0.0513993	0.17632410	3.1496450	21	—	—
492154 2013 PZ_{8}	16.8	X	276.21295	272.63593	285.28756	10.44030	0.0849184	0.17693322	3.1424121	21	—	—
492155 2013 PR_{14}	16.2	X	246.58422	315.59334	242.98169	6.83945	0.0600327	0.16889015	3.2414040	21	—	—
492156 2013 PM_{15}	16.2	X	79.65864	48.04272	321.64545	9.95113	0.0376432	0.16811520	3.2513575	21	—	—
492157 2013 PL_{19}	15.8	X	150.37608	352.28449	316.23833	14.28667	0.2524046	0.17436484	3.1731950	21	—	—
492158 2013 PH_{21}	17.6	X	155.99255	299.79953	189.99712	3.37431	0.0414381	0.22969585	2.6405878	21	7 10.8	21.3
492159 2013 PB_{24}	16.8	X	99.69172	185.50705	202.51793	1.84728	0.0600226	0.17394515	3.1782972	21	1 2.7	21.2
492160 2013 PP_{26}	17.1	X	273.50349	182.32015	148.25002	11.96012	0.3057152	0.22139063	2.7062208	21	4 8.4	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492161 2013 PN_{28}	16.7	X	141.05575	163.90081	171.63812	10.42915	0.1866745	0.17262193	3.1945184	21	1 3.3	21.8
492162 2013 PO_{28}	18.5	X	89.33643	122.13890	188.50457	1.98312	0.2192494	0.27525663	2.3405119	21	—	—
492163 2013 PA_{38}	16.2	X	237.47081	157.30115	162.49293	13.16766	0.1034540	0.20495859	2.8489968	21	3 8.0	20.4
492164 2013 PZ_{42}	16.6	X	213.29620	146.00987	184.56664	10.15569	0.0655614	0.19918918	2.9037477	21	2 24.1	21.1
492165 2013 PY_{44}	16.2	X	195.96373	311.69412	296.08768	14.10588	0.0704014	0.17078833	3.2173422	21	—	—
492166 2013 PL_{45}	17.1	X	258.51538	159.15674	246.69741	6.02415	0.0921340	0.24083517	2.5585237	21	7 19.2	20.6
492167 2013 PP_{45}	16.0	X	190.87413	3.00897	289.47667	10.59352	0.0484013	0.18244025	3.0788529	21	—	—
492168 2013 PB_{48}	16.1	X	225.23867	204.12413	48.02128	0.45974	0.1291823	0.17765508	3.1338940	21	—	—
492169 2013 PT_{52}	15.9	X	296.38080	344.82500	254.43181	14.23141	0.0963849	0.20488917	2.8496403	21	1 28.5	20.2
492170 2013 PV_{52}	18.8	X	27.69854	212.84863	169.55011	22.60549	0.0723105	0.39811437	1.8300550	21	—	—
492171 2013 PU_{56}	16.3	X	132.24545	172.86272	172.16914	14.95783	0.1026467	0.17761340	3.1343842	21	—	—
492172 2013 PA_{58}	18.3	X	66.23720	84.05612	249.53360	5.66745	0.1487587	0.27715880	2.3297909	21	—	—
492173 2013 PM_{58}	15.8	X	92.76269	183.20085	200.67987	10.19832	0.0734524	0.17874869	3.1210985	21	—	—
492174 2013 PN_{69}	16.0	X	278.62280	18.13388	275.61238	8.42367	0.2360616	0.21226627	2.7832276	21	2 27.8	20.5
492175 2013 PG_{74}	16.9	X	284.97590	131.01051	163.06146	20.70971	0.2409733	0.21372451	2.7705532	21	3 10.2	21.0
492176 2013 QK_{8}	16.6	X	123.66251	152.61905	201.32219	8.89975	0.0740418	0.17446672	3.1719596	21	—	—
492177 2013 QT_{12}	17.0	X	273.89319	98.76811	173.84047	16.02402	0.0700479	0.19838488	2.9115908	21	2 19.8	21.3
492178 2013 QL_{14}	17.4	X	222.47042	111.32701	173.45622	11.48698	0.2043510	0.18833646	3.0142535	21	1 10.4	22.7
492179 2013 QN_{15}	18.8	X	326.12323	42.37671	30.34416	20.40924	0.1095740	0.38567854	1.8691855	21	—	—
492180 2013 QN_{19}	16.8	X	154.71727	328.15022	349.74351	9.01084	0.1328905	0.17504222	3.1650034	21	—	—
492181 2013 QT_{40}	15.9	X	206.37050	275.55801	332.68529	23.96375	0.2281942	0.17471543	3.1689487	21	—	—
492182 2013 QW_{40}	16.2	X	160.41443	143.14875	168.46583	12.94604	0.1454735	0.17468507	3.1693159	21	—	—
492183 2013 QR_{69}	17.0	X	277.98118	173.98874	116.48487	9.03158	0.2391573	0.21466704	2.7624376	21	3 1.3	21.4
492184 2013 QZ_{69}	16.2	X	247.80071	150.06242	171.08756	13.09675	0.0459652	0.21004879	2.8027816	21	3 25.6	20.2
492185 2013 QK_{70}	16.3	X	252.00384	90.23055	239.69076	12.74093	0.2170884	0.20981710	2.8048446	21	3 20.4	21.1
492186 2013 QC_{79}	16.3	X	168.52763	125.95308	162.51152	17.38198	0.1318286	0.17097694	3.2149757	21	—	—
492187 2013 QU_{79}	16.4	X	150.21491	339.88557	341.86602	10.66646	0.0697647	0.17232433	3.1981953	21	—	—
492188 2013 RK_{14}	16.4	X	212.46584	13.88888	281.63153	2.31793	0.0717291	0.18599559	3.0394917	21	1 16.4	20.8
492189 2013 RS_{28}	16.3	X	216.38281	86.94823	186.43856	13.92913	0.2551451	0.17723320	3.1388652	21	—	—
492190 2013 RO_{29}	16.0	X	198.45825	6.33050	40.07287	8.91335	0.1048727	0.20926730	2.8097551	21	5 12.5	20.4
492191 2013 RR_{29}	17.2	X	283.04625	146.02936	169.96694	15.64523	0.3171026	0.21771746	2.7365741	21	3 27.1	21.5
492192 2013 RT_{29}	17.4	X	50.11591	274.43522	50.40021	2.81535	0.2185541	0.26214191	2.4179376	21	12 13.2	20.6
492193 2013 RT_{32}	16.1	X	250.83333	176.00459	155.35068	22.20883	0.1888535	0.21043919	2.7993141	21	3 31.6	20.8
492194 2013 RQ_{34}	16.3	X	238.12828	124.16740	165.81573	22.88913	0.1442677	0.18392450	3.0622666	21	1 31.1	21.5
492195 2013 RZ_{35}	17.5	X	319.80972	260.47291	99.24488	5.35301	0.2427766	0.23716975	2.5848173	21	7 28.0	19.7
492196 2013 RJ_{39}	17.3	X	292.34479	188.32795	174.51189	2.19711	0.1090699	0.22982158	2.6396247	21	7 4.9	20.7
492197 2013 RR_{42}	16.2	X	221.06200	289.22844	46.01937	2.57903	0.0768602	0.19985134	2.8973303	21	3 12.5	20.5
492198 2013 RW_{59}	16.6	X	237.59722	70.06935	194.40478	9.60687	0.1110678	0.18211775	3.0824867	21	1 3.7	21.6
492199 2013 RZ_{64}	17.3	X	21.97193	130.66025	215.96192	13.91272	0.1610118	0.25727191	2.4483555	21	11 25.9	20.1
492200 2013 RA_{65}	16.0	X	210.80910	35.31573	267.62314	9.46708	0.0842095	0.18136890	3.0909656	21	1 22.3	20.9
492201 2013 RB_{78}	16.8	X	211.67506	274.03798	355.42333	9.46979	0.1958688	0.17907087	3.1173538	21	—	—
492202 2013 RF_{83}	16.0	X	118.31610	115.51482	225.63165	9.10791	0.0655276	0.16050113	3.3533894	21	—	—
492203 2013 RA_{94}	18.2	X	324.31670	22.74455	340.88988	2.84127	0.2350965	0.23943239	2.5685072	21	8 15.5	20.0
492204 2013 SD	15.8	X	273.59615	317.18818	36.62563	26.03960	0.1330071	0.21464858	2.7625959	21	5 18.6	19.9
492205 2013 SB_{15}	17.9	X	60.68866	340.40162	328.15743	0.64305	0.1893808	0.26071628	2.4267439	21	11 30.3	21.3
492206 2013 SL_{16}	18.4	X	5.37810	60.06747	295.63620	1.49044	0.2349568	0.25451811	2.4659840	21	11 20.3	20.6
492207 2013 SP_{22}	15.8	X	167.66141	123.29977	235.71330	25.80422	0.1898802	0.18141914	3.0903950	21	2 11.9	21.4
492208 2013 SA_{25}	17.9	X	251.85526	82.21732	338.98363	13.46110	0.3704104	0.22139225	2.7062076	21	7 3.2	22.8
492209 2013 SJ_{26}	16.1	X	167.24280	136.81557	192.37995	26.90953	0.2521977	0.17564345	3.1577766	21	1 19.3	22.0
492210 2013 SP_{27}	16.0	X	202.60548	293.44873	359.40618	15.88732	0.2183163	0.17620945	3.1510110	21	1 10.7	21.7
492211 2013 SO_{29}	16.7	X	258.31371	96.55087	273.45769	4.71598	0.0730876	0.21596180	2.7513854	21	6 4.6	20.7
492212 2013 SM_{36}	16.8	X	231.34684	277.22488	357.89771	6.30428	0.2098222	0.18683279	3.0304048	21	1 8.6	22.0
492213 2013 ST_{43}	17.4	X	319.23586	302.48799	53.39302	12.82623	0.2065639	0.23588791	2.5941730	21	7 30.2	20.2
492214 2013 SN_{44}	17.5	X	326.70925	166.24031	189.58304	12.52049	0.1687214	0.23924415	2.5698543	21	8 12.4	20.3
492215 2013 SY_{52}	16.2	X	192.54237	265.69839	37.65191	15.18402	0.2396654	0.17856370	3.1232538	21	1 14.2	21.9
492216 2013 SM_{74}	17.6	X	242.17876	223.93113	183.38700	2.09276	0.0842017	0.22607524	2.6687059	21	7 2.7	21.4
492217 2013 SS_{80}	16.3	X	177.59650	119.80870	197.57720	17.42897	0.0522389	0.17234314	3.1979626	21	1 5.4	21.4
492218 2013 SM_{85}	17.7	X	5.89297	16.05314	340.56743	2.05689	0.2103787	0.25478218	2.4642798	21	11 18.4	20.0
492219 2013 TT_{9}	15.5	X	125.35041	29.43618	338.47707	11.41450	0.0446251	0.17403003	3.1772637	21	1 9.9	20.1
492220 2013 TP_{12}	17.7	X	330.43388	311.11120	50.18102	8.34319	0.2112125	0.23986653	2.5654070	21	9 4.2	20.0
492221 2013 TJ_{20}	18.7	X	53.52114	357.69244	61.86995	1.00763	0.1959979	0.28467135	2.2886192	21	—	—
492222 2013 TZ_{29}	17.4	X	6.66424	145.53127	168.49976	2.26524	0.1721101	0.23484446	2.6018515	21	9 7.6	19.8
492223 2013 TU_{37}	16.1	X	98.90155	56.27471	12.12430	16.98295	0.2003855	0.17450351	3.1715138	21	3 14.9	20.6
492224 2013 TC_{41}	18.1	X	12.19089	66.50071	0.00075	0.98830	0.1673189	0.27010704	2.3701661	21	—	—
492225 2013 TW_{41}	16.1	X	206.26369	276.11368	27.85136	13.25146	0.1347621	0.17679678	3.1440286	21	1 25.9	21.4
492226 2013 TF_{42}	15.7	X	120.85432	217.87536	115.10087	11.31760	0.1410628	0.15601832	3.4173201	21	—	—
492227 2013 TJ_{42}	18.1	X	274.51206	65.13736	32.69090	25.94624	0.1246613	0.37083290	1.9187448	21	11 7.6	19.4
492228 2013 TC_{44}	16.0	X	198.72455	296.01753	18.29501	12.61122	0.1745827	0.17985434	3.1082941	21	1 31.8	21.3
492229 2013 TK_{60}	16.8	X	262.46860	75.66439	251.90741	6.20687	0.3700544	0.21189727	2.7864578	21	3 16.6	22.0
492230 2013 TD_{68}	15.9	X	107.78898	70.55487	305.91472	9.42525	0.0860898	0.17407503	3.1767160	21	1 3.4	20.4
492231 2013 TK_{72}	17.3	X	284.83112	37.98686	308.78179	1.46493	0.0832537	0.21677828	2.7444725	21	6 6.6	20.8
492232 2013 TA_{73}	16.3	X	179.32533	135.38738	194.70948	10.18909	0.2197692	0.17736480	3.1373123	21	1 29.1	21.8
492233 2013 TM_{79}	16.6	X	179.98353	67.43096	251.36289	2.02663	0.1603340	0.17938212	3.1137467	21	1 16.2	21.5
492234 2013 TP_{83}	17.3	X	268.29435	76.21612	284.23569	3.12253	0.0883563	0.21450369	2.7638398	21	6 2.4	21.2
492235 2013 TA_{89}	17.8	X	39.20422	73.96782	337.84734	2.89479	0.1889881	0.27441241	2.3453098	21	—	—
492236 2013 TD_{93}	18.9	X	73.01298	258.00544	186.91004	3.17993	0.2027296	0.29471823	2.2363068	21	1 21.2	20.3
492237 2013 TC_{97}	17.4	X	295.12380	161.57953	208.00214	13.47745	0.2562812	0.22825045	2.6517238	21	6 23.3	21.1
492238 2013 TN_{101}	16.7	X	263.56238	12.60380	349.02357	4.65329	0.1701692	0.21160389	2.7890328	21	5 17.5	20.8
492239 2013 TQ_{114}	18.2	X	322.20354	111.03050	21.54112	4.90731	0.1770560	0.26756790	2.3851373	21	—	—
492240 2013 TT_{114}	19.1	X	126.05325	337.34491	61.65628	1.27531	0.2053299	0.30258103	2.1973956	21	2 15.4	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492241 2013 TA_{125}	16.4	X	122.87827	131.73662	290.87252	6.06047	0.1317995	0.18020397	3.1042723	21	3 17.9	21.0
492242 2013 TC_{133}	13.3	X	174.22264	17.51087	80.50744	9.87802	0.0513369	0.08200033	5.2471763	21	6 23.3	20.5
492243 2013 TL_{133}	15.9	X	194.26525	281.33281	355.53940	15.68982	0.2177222	0.17247490	3.1963337	21	—	—
492244 2013 TV_{133}	16.6	X	81.52244	300.90561	148.15918	1.21849	0.1633925	0.17502071	3.1652627	21	3 8.5	20.6
492245 2013 TB_{137}	15.8	X	208.65748	261.68103	28.16806	16.16182	0.2394865	0.17921342	3.1157005	21	1 10.4	21.5
492246 2013 TL_{137}	16.3	X	176.57292	107.78153	204.90151	25.71125	0.1798182	0.17856885	3.1231937	21	1 3.8	21.9
492247 2013 TQ_{140}	17.5	X	268.93182	311.42413	53.33859	2.76509	0.0925605	0.21900103	2.7258709	21	6 8.2	21.2
492248 2013 TQ_{144}	16.7	X	97.40640	13.96313	58.13575	8.21640	0.1609273	0.17485726	3.1672349	21	3 12.1	21.2
492249 2013 UD_{5}	18.5	X	275.91990	79.87010	42.68959	22.54405	0.0839406	0.38273447	1.8787587	21	—	—
492250 2013 UE_{6}	17.1	X	218.86195	337.82320	44.97272	7.47801	0.1643422	0.20345858	2.8629826	21	5 2.4	21.8
492251 2013 UH_{6}	17.2	X	335.64680	307.85960	22.49984	4.29910	0.1566562	0.23086932	2.6316324	21	7 28.6	19.8
492252 2013 UQ_{10}	18.5	X	335.92963	24.58527	47.41649	26.31577	0.1215968	0.38435819	1.8734637	21	—	—
492253 2013 VM_{14}	16.4	X	260.80488	136.24810	239.05504	22.87332	0.1524296	0.21149816	2.7899622	21	6 4.1	20.6
492254 2013 VK_{20}	18.3	X	58.07881	4.81541	45.47075	2.22378	0.1714356	0.27788499	2.3257301	21	—	—
492255 2013 VN_{20}	18.1	X	7.98932	21.53435	33.49101	1.76344	0.2537969	0.26211577	2.4180983	21	—	—
492256 2013 WW_{28}	17.5	X	172.02372	52.34294	53.98990	1.92756	0.1931729	0.20206482	2.8761326	21	7 2.6	22.4
492257 2013 WH_{30}	18.2	X	21.30433	173.74321	235.38151	0.88008	0.1700326	0.26308427	2.4121601	21	—	—
492258 2013 WO_{35}	18.5	X	51.20977	21.23780	66.03508	4.67259	0.1753211	0.28390792	2.2927201	21	—	—
492259 2013 WH_{36}	18.2	X	88.74612	98.65766	292.89389	4.45274	0.1802138	0.28229271	2.3014574	21	—	—
492260 2013 WC_{47}	15.8	X	176.91853	155.44322	233.85103	12.31963	0.1164018	0.18546133	3.0453261	21	3 30.5	20.7
492261 2013 WF_{55}	17.5	X	333.36626	72.36378	49.45017	11.94377	0.1965891	0.26771424	2.3842680	21	—	—
492262 2013 WP_{56}	16.4	X	222.62845	310.39976	49.82451	10.72667	0.1507149	0.19170620	2.9788270	21	4 12.8	21.2
492263 2013 WJ_{67}	18.1	X	285.50721	231.15298	260.84239	17.25907	0.0901127	0.38330721	1.8768867	21	—	—
492264 2013 WT_{76}	18.4	X	2.39846	247.93403	218.40165	1.50709	0.1622223	0.27056557	2.3674875	21	—	—
492265 2013 WV_{80}	17.3	X	260.56352	181.50191	241.64758	8.60896	0.2507222	0.22123367	2.7075007	21	7 21.7	21.5
492266 2013 WH_{83}	18.9	X	147.22619	159.11154	214.76398	5.78973	0.2329499	0.29920653	2.2138864	21	2 7.9	22.0
492267 2013 WA_{86}	16.4	X	180.22520	247.12775	245.03267	10.96977	0.1141838	0.21154282	2.7895695	21	8 6.9	20.9
492268 2013 WC_{106}	16.1	X	138.95886	171.31119	240.16705	9.93721	0.2189295	0.17784933	3.1316116	21	3 29.4	21.3
492269 2013 WH_{106}	17.3	X	37.43151	190.92649	221.12266	9.64225	0.1934403	0.26902977	2.3764891	21	—	—
492270 2013 WC_{109}	17.1	X	256.84941	109.64046	348.23772	9.77668	0.2013305	0.23208700	2.6224195	21	9 10.5	20.8
492271 2013 XF	17.1	X	228.78527	154.66714	285.90883	6.81240	0.1782706	0.21612296	2.7500174	21	7 21.2	21.4
492272 2013 XO_{5}	18.5	X	269.25161	138.37655	331.81227	5.17476	0.2526275	0.23774530	2.5806440	21	10 3.6	21.7
492273 2013 XC_{8}	17.9	X	41.29951	175.06835	271.19568	3.93405	0.2105997	0.27431015	2.3458926	21	—	—
492274 2013 XZ_{12}	17.8	X	236.34480	229.55309	281.50211	18.52562	0.0898142	0.36339747	1.9448291	21	12 5.8	19.7
492275 2013 XP_{15}	18.6	X	82.75800	34.51086	4.56117	0.25049	0.1776759	0.28084946	2.3093353	21	—	—
492276 2013 XO_{17}	17.8	X	254.28942	340.55373	120.29640	3.02223	0.1657036	0.22303766	2.6928815	21	9 16.9	21.5
492277 2013 XB_{18}	17.0	X	336.11195	180.50048	216.03811	4.03965	0.3292427	0.24135651	2.5548380	21	11 17.7	17.9
492278 2013 XE_{18}	17.7	X	70.49446	194.92044	228.55629	4.82206	0.2068981	0.27916918	2.3185924	21	—	—
492279 2013 XX_{18}	17.9	X	245.20591	275.57236	264.88115	19.14206	0.0344841	0.38615391	1.8676511	21	—	—
492280 2013 XP_{24}	18.2	X	347.03771	130.72166	295.98206	19.93558	0.0539801	0.38020448	1.8870840	21	—	—
492281 2013 YQ_{12}	18.3	X	90.11008	153.68148	282.57362	4.87151	0.1365310	0.29290453	2.2455289	21	2 2.2	20.5
492282 2013 YS_{12}	16.4	X	333.78927	191.37635	265.85597	1.64330	0.2212320	0.12587662	3.9431140	21	12 21.3	20.8
492283 2013 YG_{17}	17.4	X	334.98462	229.06653	167.49570	2.23965	0.2411313	0.23386008	2.6091476	21	11 6.5	19.2
492284 2013 YV_{20}	17.8	X	78.77329	61.56414	289.39971	18.61055	0.0685739	0.38339654	1.8765951	21	—	—
492285 2013 YA_{21}	17.4	X	347.04921	164.74810	271.05714	5.91665	0.1196350	0.24532784	2.5271915	21	—	—
492286 2013 YZ_{21}	16.5	X	186.41975	125.98431	251.23426	9.59321	0.0611600	0.18328938	3.0693366	21	3 23.3	21.3
492287 2013 YG_{47}	17.3	X	315.82070	279.20453	116.71169	24.49287	0.1492848	0.35161443	1.9880391	21	11 6.9	19.4
492288 2013 YP_{49}	17.6	X	306.58493	118.73901	270.55093	3.77691	0.1710613	0.21890643	2.7266561	21	8 22.9	20.8
492289 2013 YR_{76}	17.7	X	337.82314	35.50768	10.96814	2.92338	0.1717209	0.23770492	2.5809362	21	11 25.4	20.0
492290 2013 YV_{93}	16.9	X	162.56074	88.52310	95.97648	6.17944	0.0947648	0.21256292	2.7806375	21	10 1.6	21.2
492291 2013 YE_{96}	17.2	X	267.66085	116.80946	289.37219	0.90412	0.0954043	0.20577698	2.8414380	21	7 31.6	21.1
492292 2013 YA_{103}	17.8	X	260.07306	138.06505	296.77929	0.29642	0.1552821	0.22341553	2.6898443	21	8 20.9	21.5
492293 2013 YR_{109}	16.9	X	146.10156	268.08060	175.65220	1.53970	0.1877051	0.17756714	3.1349286	21	5 14.3	22.0
492294 2013 YX_{117}	19.0	X	169.27246	132.45604	261.01652	4.55090	0.1612416	0.30446496	2.1883217	21	3 19.9	22.2
492295 2013 YY_{123}	16.6	X	183.03549	94.60119	331.81560	7.62295	0.1237413	0.18035440	3.1025460	21	5 22.1	21.7
492296 2013 YX_{128}	17.5	X	170.80521	179.06636	64.89603	7.33582	0.0677647	0.24257771	2.5462564	21	12 24.5	21.1
492297 2013 YJ_{148}	16.9	X	322.82501	178.95785	254.55274	4.30401	0.3029843	0.23877096	2.5732484	21	12 4.0	17.9
492298 2014 AP_{9}	18.2	X	90.80983	2.33303	85.04482	6.12934	0.0930105	0.29755435	2.2220740	21	2 16.2	20.5
492299 2014 AU_{10}	17.5	X	326.72178	257.95431	180.19906	4.92685	0.2586330	0.24279205	2.5447575	21	12 25.3	19.2
492300 2014 AV_{10}	16.4	X	10.71432	13.25426	260.02282	8.83334	0.0463888	0.18987743	2.9979231	21	7 6.9	20.3
492301 2014 AY_{15}	17.4	X	282.32886	211.47666	247.08707	19.32209	0.0871894	0.36734960	1.9308550	21	12 5.3	18.4
492302 2014 AC_{17}	17.6	X	243.93299	41.73272	75.55077	28.98141	0.1715346	0.34940326	1.9964177	21	10 27.6	20.4
492303 2014 AY_{18}	18.8	X	91.52513	318.78009	107.35714	5.57778	0.1742840	0.28410655	2.2916514	21	1 31.2	20.8
492304 2014 AU_{39}	18.1	X	354.62075	298.05568	115.69594	24.22991	0.0773961	0.36966457	1.9227855	21	—	—
492305 2014 AO_{46}	18.0	X	299.01144	25.96582	93.51696	24.80222	0.0458212	0.37493350	1.9047291	21	—	—
492306 2014 AK_{48}	17.1	X	307.94830	79.47527	307.47017	2.51337	0.1029452	0.21378346	2.7700439	21	8 31.9	20.5
492307 2014 AL_{52}	18.0	X	85.40110	173.78191	252.15824	6.34728	0.2399153	0.28307564	2.2972119	21	1 27.3	19.9
492308 2014 BB	18.2	X	32.63602	321.65740	70.65712	23.10575	0.1122444	0.38247433	1.8796105	21	—	—
492309 2014 BC_{6}	17.0	X	213.66136	94.44258	316.04143	3.80941	0.2662298	0.19148274	2.9811441	21	5 27.2	22.2
492310 2014 BR_{7}	17.1	X	93.72132	198.12775	22.08571	2.16249	0.0346645	0.19626593	2.9325096	21	8 20.7	21.2
492311 2014 BQ_{12}	17.1	X	312.86384	333.58817	106.49158	4.50930	0.2154296	0.23386997	2.6090741	21	11 20.1	19.3
492312 2014 BJ_{13}	16.5	X	228.73131	71.62529	322.25707	8.88511	0.1109334	0.18393427	3.0621581	21	5 28.1	21.3
492313 2014 BP_{16}	17.6	X	205.39373	116.37613	28.42859	3.08608	0.1348054	0.21550012	2.7553137	21	9 21.7	21.9
492314 2014 BS_{20}	16.8	X	153.34580	120.77985	6.19081	1.56833	0.1318357	0.18553326	3.0445389	21	7 9.3	21.6
492315 2014 BX_{23}	16.7	X	165.83949	42.76720	15.77701	17.87848	0.1846411	0.17668093	3.1454028	21	4 26.6	22.0
492316 2014 BB_{25}	18.3	X	10.87222	266.71547	124.74891	23.10354	0.1533596	0.36973670	1.9225354	21	—	—
492317 2014 BE_{26}	16.5	X	129.21505	223.40989	231.67636	1.26978	0.1064590	0.17203929	3.2017269	21	5 4.2	21.3
492318 2014 BW_{26}	15.9	X	13.01524	266.34054	158.14633	3.35844	0.1973903	0.12464887	3.9689639	21	—	—
492319 2014 BD_{28}	16.9	X	171.91641	191.84420	253.10797	3.71789	0.1329976	0.18613699	3.0379521	21	6 5.1	21.5
492320 2014 BF_{47}	18.0	X	322.83200	114.33362	329.32754	19.31680	0.1071406	0.37418842	1.9072567	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492321 2014 BC_{53}	17.5	X	332.27308	325.43472	72.17892	3.26285	0.1054655	0.23064830	2.6333134	21	10 31.3	20.4
492322 2014 CW_{7}	17.2	X	87.46100	143.66540	122.88419	5.33246	0.0226411	0.21174133	2.7878258	21	10 13.1	21.0
492323 2014 CC_{13}	17.9	X	326.56528	263.23532	165.94307	23.40082	0.0834562	0.36539520	1.9377340	21	—	—
492324 2014 DO_{2}	18.3	X	196.35515	103.19200	153.64236	21.76908	0.0735646	0.38015945	1.8872330	21	—	—
492325 2014 DA_{3}	17.9	X	132.05668	319.54505	334.50065	19.48600	0.0473960	0.37052004	1.9198247	21	—	—
492326 2014 DD_{6}	17.9	X	313.61794	108.59974	317.88865	17.21796	0.1178558	0.35656116	1.9696090	21	12 12.6	19.6
492327 2014 DJ_{17}	17.3	X	135.34710	122.79118	152.53993	23.71258	0.0887606	0.35661365	1.9694157	21	—	—
492328 2014 DA_{18}	17.7	X	242.20507	5.53750	176.71420	21.58093	0.0657519	0.36842551	1.9270941	21	—	—
492329 2014 DD_{18}	17.8	X	224.66798	179.37463	0.01282	18.16157	0.0540356	0.35905517	1.9604778	21	—	—
492330 2014 DA_{22}	18.6	X	111.57162	168.71264	175.74115	24.40439	0.1320311	0.38387440	1.8750375	21	—	—
492331 2014 DQ_{24}	16.9	X	147.16591	39.05015	77.43804	2.41779	0.1302155	0.17853183	3.1236254	21	6 19.9	21.8
492332 2014 DD_{31}	16.5	X	237.31850	150.47809	281.82312	6.63886	0.0843506	0.19538377	2.9413298	21	7 28.4	20.8
492333 2014 DL_{56}	13.9	X	292.36785	66.17321	31.36801	8.87726	0.0613067	0.08231094	5.2339672	21	10 26.4	20.6
492334 2014 EQ_{5}	14.0	X	323.72627	72.41724	349.85380	14.34759	0.0681302	0.08450545	5.1429573	21	10 20.1	20.7
492335 2014 EB_{10}	17.5	X	323.31664	300.38168	120.71573	5.96214	0.1390793	0.22289242	2.6940513	21	11 15.9	20.4
492336 2014 EX_{16}	14.2	X	248.63608	70.10953	70.75381	3.68676	0.0766698	0.08324290	5.1948290	21	10 24.9	21.1
492337 2014 EA_{50}	18.2	X	318.67247	320.80707	163.02573	21.70570	0.0593309	0.37509957	1.9041669	21	—	—
492338 2014 FW	9.9	X	9.62207	115.15155	98.23566	12.67877	0.6319223	0.00623553	29.2339355	21	6 14.2	20.8
492339 2014 FO_{33}	18.5	X	122.02734	126.59720	189.42597	22.15104	0.0595299	0.36611602	1.9351898	21	—	—
492340 2014 FL_{43}	16.8	X	211.25959	212.46055	35.72613	12.24004	0.1446220	0.22435293	2.6823466	21	—	—
492341 2014 GP_{28}	16.5	X	82.44535	156.96901	86.69529	2.61232	0.1528104	0.17602547	3.1532063	21	9 20.8	21.1
492342 2014 GS_{44}	17.9	X	40.05030	180.85419	187.56513	22.09010	0.0937785	0.35230483	1.9854410	21	—	—
492343 2014 GW_{46}	18.1	X	257.37676	326.29649	204.80775	21.86458	0.0609840	0.35637648	1.9702894	21	—	—
492344 2014 GE_{50}	17.9	X	16.41617	166.31503	89.15975	4.14220	0.2877117	0.27937197	2.3174702	21	7 11.6	18.6
492345 2014 HM_{7}	17.1	X	207.57046	214.64176	61.80400	8.60455	0.1798933	0.23309918	2.6148225	21	—	—
492346 2014 HW_{7}	16.9	X	113.42494	211.34199	88.07176	4.09414	0.0264236	0.21274662	2.7790366	21	12 22.6	20.6
492347 2014 HT_{8}	18.4	X	289.96471	49.38168	180.05435	4.71591	0.2285846	0.25119894	2.4876590	21	—	—
492348 2014 HS_{12}	16.8	X	343.65294	242.58555	208.76168	10.48665	0.1554003	0.22683122	2.6627731	21	—	—
492349 2014 HE_{13}	16.7	X	1.17663	33.01349	44.07640	13.63138	0.1231540	0.22512993	2.6761712	21	—	—
492350 2014 HX_{13}	16.9	X	111.08866	44.14972	190.76361	1.96791	0.1904200	0.18545088	3.0454405	21	10 12.4	21.9
492351 2014 HT_{15}	17.0	X	123.64583	162.33578	43.03882	0.80697	0.0819555	0.18177469	3.0863638	21	9 10.4	21.6
492352 2014 HQ_{16}	17.3	X	345.81742	63.64562	25.65606	3.26912	0.0733122	0.22560988	2.6723744	21	—	—
492353 2014 HV_{19}	18.2	X	28.47244	23.50581	244.57737	1.51691	0.1180784	0.30192957	2.2005553	21	8 8.8	20.1
492354 2014 HX_{23}	17.1	X	246.81369	324.56375	229.96376	6.90198	0.1206652	0.22537605	2.6742225	21	—	—
492355 2014 HT_{26}	17.4	X	109.81649	273.34080	34.95028	7.13238	0.0274076	0.21576094	2.7530927	21	12 30.2	21.4
492356 2014 HC_{27}	17.2	X	217.58210	226.33786	38.25055	2.96490	0.1602156	0.23545423	2.5973574	21	—	—
492357 2014 HM_{27}	17.0	X	12.76746	236.72861	66.47259	3.17041	0.1338258	0.17220681	3.1996503	21	8 26.2	20.7
492358 2014 HF_{28}	17.9	X	247.81231	44.64223	191.23142	8.00276	0.1254961	0.23879747	2.5730579	21	—	—
492359 2014 HL_{33}	16.6	X	157.83740	201.42139	72.15808	10.14124	0.1149898	0.21548800	2.7554169	21	—	—
492360 2014 HS_{40}	16.3	X	89.28934	234.09244	77.64121	8.21123	0.0511205	0.20476511	2.8507912	21	12 10.4	20.4
492361 2014 HA_{44}	17.8	X	169.80019	330.71074	81.94436	6.40397	0.1440090	0.27904252	2.3192939	21	4 21.2	21.3
492362 2014 HB_{47}	16.7	X	132.40039	85.55334	76.74499	6.22329	0.0896361	0.17139348	3.2097647	21	7 29.7	21.5
492363 2014 HK_{47}	16.6	X	55.83719	127.46115	129.26730	4.19389	0.0920659	0.17239351	3.1973397	21	8 25.2	20.8
492364 2014 HQ_{50}	17.3	X	140.23230	117.40768	187.98035	3.77755	0.0837612	0.22303988	2.6928637	21	—	—
492365 2014 HF_{56}	16.9	X	61.84982	142.65487	151.46684	3.09264	0.1042518	0.18892156	3.0080268	21	10 23.2	21.0
492366 2014 HS_{60}	17.1	X	93.54453	250.98173	73.69606	4.99841	0.1030572	0.21196919	2.7858275	21	—	—
492367 2014 HD_{81}	16.4	X	104.34827	158.82328	56.65248	10.41296	0.0225595	0.17790025	3.1310140	21	8 29.8	21.0
492368 2014 HN_{82}	18.5	X	269.94361	130.11641	177.75765	6.68059	0.1231918	0.27044659	2.3681818	21	3 17.5	21.5
492369 2014 HY_{88}	16.4	X	62.20794	100.76466	186.59904	11.10171	0.1260508	0.18424301	3.0587363	21	10 17.8	20.6
492370 2014 HQ_{90}	17.1	X	39.86469	346.29856	63.37521	9.25576	0.0454716	0.22762284	2.6565959	21	—	—
492371 2014 HU_{91}	16.9	X	355.47857	302.04388	102.83902	5.56419	0.0667784	0.20881902	2.8137749	21	12 9.7	20.5
492372 2014 HD_{92}	17.0	X	21.76775	273.09873	122.69315	5.28895	0.0720371	0.21473052	2.7618931	21	—	—
492373 2014 HV_{93}	18.2	X	274.21579	198.78181	112.07119	4.42067	0.1263850	0.27233897	2.3571987	21	3 28.2	21.4
492374 2014 HZ_{95}	14.2	X	18.66390	329.19372	81.52555	9.58505	0.0415711	0.08272308	5.2165685	21	12 17.7	20.9
492375 2014 HQ_{114}	16.5	X	47.36431	195.34450	80.94954	9.57683	0.0430613	0.17568180	3.1573171	21	9 5.3	21.0
492376 2014 HV_{116}	16.9	X	257.30390	118.11612	66.10698	12.94366	0.1208059	0.22492889	2.6777656	21	—	—
492377 2014 HH_{119}	17.0	X	40.30854	240.80719	139.69342	6.97478	0.0633136	0.21337234	2.7736009	21	—	—
492378 2014 HM_{122}	16.2	X	298.31331	192.90217	194.89295	9.27916	0.1118678	0.18162397	3.0880709	21	8 12.5	20.4
492379 2014 HE_{137}	17.5	X	49.10225	3.36409	73.63646	2.66330	0.0500601	0.24231766	2.5480778	21	—	—
492380 2014 HL_{137}	17.2	X	177.01725	104.45266	82.30866	5.54733	0.0404034	0.19561974	2.9389640	21	10 18.5	21.5
492381 2014 HR_{139}	16.1	X	80.25830	206.37632	43.80122	11.39472	0.0168315	0.18034424	3.1026625	21	9 12.4	20.6
492382 2014 HQ_{140}	17.4	X	88.06703	241.90159	168.87050	1.88384	0.0707687	0.24551441	2.5259111	21	—	—
492383 2014 HK_{142}	16.5	X	39.80510	47.18957	256.88603	3.47187	0.0613702	0.18161793	3.0881394	21	9 26.9	20.7
492384 2014 HF_{143}	17.2	X	16.19318	14.55759	71.43568	6.89643	0.0622667	0.23259793	2.6185779	21	—	—
492385 2014 HA_{149}	16.6	X	38.42839	112.21254	225.87790	10.49226	0.1715363	0.18945997	3.0023252	21	11 25.7	20.5
492386 2014 HC_{158}	17.1	X	27.27846	294.17987	87.68528	5.92774	0.0681508	0.20985280	2.8045265	21	12 24.5	20.7
492387 2014 HL_{162}	16.5	X	331.48259	206.93824	162.65316	9.35303	0.0721776	0.18399300	3.0615065	21	9 15.5	20.3
492388 2014 HM_{181}	17.8	X	352.47981	182.43064	130.42307	7.75874	0.2374796	0.29374450	2.2412461	21	8 12.0	18.6
492389 2014 JW_{3}	16.5	X	305.32933	62.14142	42.43669	11.82613	0.0635097	0.21302701	2.7765976	21	12 12.3	20.1
492390 2014 JC_{5}	16.7	X	295.94209	47.32194	53.03282	2.85579	0.0242902	0.20611549	2.8383261	21	11 26.8	20.4
492391 2014 JM_{7}	18.7	X	43.15328	130.24143	168.34103	3.05458	0.2150806	0.31030727	2.1607677	21	11 8.9	21.1
492392 2014 JZ_{9}	18.6	X	61.21679	66.72630	191.13998	4.40960	0.1656232	0.30707491	2.1759045	21	9 26.5	21.0
492393 2014 JR_{11}	17.9	X	325.87118	235.90148	78.67403	7.19829	0.1229537	0.28942362	2.2634978	21	6 15.9	19.7
492394 2014 JU_{12}	18.3	X	359.79967	244.19035	87.40358	5.73236	0.2370973	0.30354464	2.1927427	21	10 17.2	19.6
492395 2014 JU_{22}	18.1	X	46.83833	40.97158	204.99701	6.21811	0.1194867	0.29568308	2.2314392	21	8 5.2	20.4
492396 2014 JV_{23}	17.6	X	251.83881	248.93827	73.15743	9.21982	0.1695762	0.26280678	2.4138578	21	3 18.8	21.5
492397 2014 JS_{31}	17.1	X	159.80353	354.37244	277.35992	1.63242	0.0533446	0.21587537	2.7521197	21	—	—
492398 2014 JU_{45}	17.7	X	285.02277	24.57009	228.94389	1.84063	0.1574553	0.25455425	2.4657506	21	1 21.8	21.3
492399 2014 JP_{48}	16.6	X	35.49782	232.26745	69.32507	11.12422	0.0345561	0.17943569	3.1131269	21	9 22.6	21.0
492400 2014 JR_{48}	16.6	X	74.84683	63.62844	233.87459	10.04665	0.0858936	0.19274072	2.9681583	21	11 8.4	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492401 2014 JQ_{59}	17.9	X	351.95753	201.84109	83.29520	5.72048	0.1665832	0.28785422	2.2717174	21	6 18.2	19.3
492402 2014 JL_{65}	17.8	X	330.37946	223.79988	79.92187	7.97808	0.1860134	0.28567349	2.2832638	21	5 28.9	19.6
492403 2014 JP_{70}	17.8	X	2.34697	181.68964	42.04548	10.11991	0.0709425	0.27425570	2.3462031	21	4 11.6	20.3
492404 2014 KQ_{4}	17.5	X	82.22386	282.96891	13.03203	4.02919	0.1549874	0.32498061	2.0952270	21	12 13.6	20.3
492405 2014 KB_{6}	16.9	X	104.74345	227.86956	68.90344	3.05400	0.0455475	0.20564893	2.8426174	21	12 9.4	21.0
492406 2014 KR_{6}	18.2	X	23.42879	67.00638	232.70977	4.14718	0.2194835	0.30529609	2.1843483	21	10 7.6	20.0
492407 2014 KU_{8}	17.9	X	332.63807	279.61428	21.18025	4.60403	0.2597695	0.28214089	2.3022830	21	5 13.3	19.8
492408 2014 KC_{12}	18.6	X	88.91049	21.96544	169.91920	2.00349	0.1044035	0.29534379	2.2331479	21	7 19.2	21.2
492409 2014 KM_{12}	17.5	X	264.36483	258.77457	68.53992	7.03587	0.1259687	0.26767195	2.3845191	21	4 9.2	20.9
492410 2014 KN_{40}	18.3	X	32.15094	280.09630	30.99621	6.95931	0.2623771	0.30919768	2.1659341	21	11 16.8	20.6
492411 2014 KO_{56}	18.2	X	332.69782	184.88983	124.82096	7.21584	0.1228282	0.28673781	2.2776103	21	6 22.1	20.3
492412 2014 KU_{57}	18.0	X	321.79354	173.78382	121.32609	8.00641	0.1147333	0.27722828	2.3294016	21	5 14.2	20.6
492413 2014 KO_{80}	17.8	X	318.91266	246.24144	53.77056	7.42660	0.1289155	0.28001645	2.3139130	21	5 11.1	20.2
492414 2014 KY_{81}	17.9	X	315.12153	265.49638	53.14783	3.68948	0.1740109	0.28168710	2.3047549	21	5 24.7	20.3
492415 2014 KX_{82}	17.6	X	234.84171	321.85835	49.38322	6.92741	0.1381174	0.27289034	2.3540225	21	4 30.8	21.0
492416 2014 KG_{89}	17.9	X	339.11565	189.66447	112.08660	7.19533	0.1943933	0.28427016	2.2907720	21	6 13.5	19.7
492417 2014 KV_{93}	18.4	X	42.20310	199.64231	75.43705	5.28527	0.1315726	0.30105542	2.2048130	21	9 20.5	20.7
492418 2014 KG_{98}	18.3	X	338.47674	139.89050	114.83195	1.89442	0.1398794	0.27092267	2.3654067	21	4 6.7	20.5
492419 2014 LA_{4}	18.8	X	43.65622	158.01261	138.67816	2.52063	0.1796767	0.30922063	2.1658269	21	11 1.2	21.2
492420 2014 LK_{5}	17.4	X	281.72988	242.75886	87.03444	7.34607	0.1525616	0.27405771	2.3473330	21	4 28.9	20.5
492421 2014 LP_{8}	17.9	X	305.35117	217.50295	125.00397	5.47090	0.1442037	0.28883362	2.2665791	21	6 19.5	20.2
492422 2014 LJ_{12}	17.7	X	297.11772	269.57419	43.13129	1.81035	0.1988037	0.27047431	2.3680200	21	4 15.8	20.9
492423 2014 LU_{13}	18.3	X	349.94321	63.75985	267.59706	2.01566	0.2594390	0.28574324	2.2828922	21	9 8.4	19.1
492424 2014 LJ_{15}	17.3	X	241.22931	30.31105	283.03182	11.02630	0.1311542	0.23856209	2.5747502	21	2 20.9	21.5
492425 2014 LE_{20}	18.6	X	337.01016	172.12432	112.00518	6.32816	0.2145004	0.27694738	2.3309764	21	5 8.7	20.6
492426 2014 ME_{4}	16.9	X	269.05040	35.75192	291.28556	5.96673	0.1948625	0.25327822	2.4740254	21	4 1.3	20.8
492427 2014 MU_{11}	18.8	X	78.43584	346.07746	227.59977	6.97240	0.1596312	0.29837648	2.2179904	21	8 11.9	21.7
492428 2014 MH_{14}	17.5	X	16.16167	350.51266	301.83133	6.34033	0.1301548	0.28474787	2.2882092	21	8 23.0	19.6
492429 2014 MX_{14}	18.5	X	55.25262	149.36112	118.51119	7.39429	0.2814528	0.29799317	2.2198920	21	10 23.3	21.5
492430 2014 MC_{17}	18.0	X	330.37099	190.84681	138.02315	2.13067	0.2016111	0.27301236	2.3533210	21	7 8.1	19.6
492431 2014 MF_{20}	17.2	X	289.93641	190.12320	122.04880	7.95070	0.1595200	0.25537168	2.4604860	21	4 17.0	20.6
492432 2014 MF_{22}	16.6	X	208.78040	216.14121	111.71158	15.77479	0.1857895	0.23200404	2.6230447	21	2 16.5	21.1
492433 2014 MP_{24}	17.7	X	355.26271	3.47707	287.68221	5.90401	0.1088228	0.27895603	2.3197733	21	7 8.9	19.6
492434 2014 MY_{24}	16.8	X	219.32055	228.81913	111.68116	16.00291	0.1080901	0.24156422	2.5533733	21	3 16.4	20.9
492435 2014 MJ_{25}	18.4	X	64.14326	142.12032	112.88472	2.08893	0.1247142	0.29523027	2.2337203	21	9 19.9	21.0
492436 2014 MU_{25}	18.1	X	336.79957	331.22670	294.93793	1.69023	0.1704484	0.26436511	2.4043626	21	4 14.9	20.6
492437 2014 MA_{26}	17.9	X	350.18443	199.54290	103.90054	7.00231	0.1844283	0.28026966	2.3125191	21	7 16.4	19.2
492438 2014 MW_{27}	18.4	X	21.96022	40.12934	235.80154	4.76319	0.1758394	0.28965500	2.2622922	21	8 14.3	20.2
492439 2014 MT_{30}	17.8	X	318.95875	274.62716	56.05907	3.73977	0.1540305	0.27236802	2.3570311	21	6 24.2	20.2
492440 2014 MM_{37}	17.6	X	329.53325	174.43533	117.96679	7.35336	0.1290446	0.26453855	2.4033115	21	5 21.7	20.2
492441 2014 MO_{38}	18.2	X	73.10631	184.36917	83.59174	3.16662	0.1589062	0.29889938	2.2154028	21	10 25.4	21.0
492442 2014 MZ_{39}	16.8	X	137.52387	242.75179	93.93258	10.36793	0.1260984	0.20300977	2.8672006	21	—	—
492443 2014 MW_{43}	18.1	X	64.74975	343.29366	270.04798	3.20494	0.1426105	0.29456732	2.2370705	21	9 18.1	20.8
492444 2014 MC_{46}	18.9	X	45.90385	252.87860	40.14849	3.12865	0.2361617	0.30073014	2.2064025	21	11 5.3	21.4
492445 2014 MK_{46}	17.3	X	166.57879	16.65394	355.93437	12.85313	0.1461871	0.22992926	2.6388005	21	3 2.9	21.4
492446 2014 MO_{46}	16.0	X	117.79795	52.47735	295.00659	13.40552	0.2716863	0.18865998	3.0108066	21	1 2.4	20.4
492447 2014 MC_{54}	17.8	X	17.86946	291.46906	348.26908	7.28885	0.1037255	0.28562654	2.2835140	21	8 7.4	19.9
492448 2014 MJ_{54}	17.2	X	194.17118	256.02936	77.77464	12.38765	0.2108171	0.22765162	2.6563719	21	2 14.1	21.9
492449 2014 MZ_{55}	18.0	X	345.26732	212.47745	47.94254	2.65642	0.1591628	0.26521600	2.3992172	21	4 25.6	20.3
492450 2014 MF_{56}	17.8	X	322.85069	309.09298	306.73237	1.30939	0.1603334	0.25455667	2.4657350	21	3 11.5	20.7
492451 2014 MO_{56}	18.1	X	344.15773	220.10304	93.71530	5.76746	0.2464811	0.27888340	2.3201761	21	7 13.9	19.3
492452 2014 MW_{56}	17.0	X	92.29283	260.69687	94.44128	8.60243	0.1988615	0.19033417	2.9931251	21	—	—
492453 2014 MH_{60}	16.7	X	168.67657	145.23616	261.24531	11.23223	0.0241522	0.24134456	2.5549224	21	3 29.9	20.4
492454 2014 ME_{61}	17.2	X	312.48658	173.60573	129.50067	15.18571	0.2096057	0.26238336	2.4164540	21	4 29.9	20.4
492455 2014 MG_{61}	18.0	X	323.51269	192.80147	105.00370	2.47447	0.1845263	0.26515054	2.3996121	21	5 8.3	20.3
492456 2014 MJ_{61}	18.0	X	22.29873	175.20419	114.95542	5.09887	0.1573908	0.28554385	2.2839548	21	9 9.6	20.0
492457 2014 MS_{62}	16.9	X	134.86030	215.22351	127.04026	16.04400	0.1456786	0.20419375	2.8561067	21	—	—
492458 2014 MF_{63}	18.9	X	342.63382	176.78958	114.01749	2.18100	0.1805745	0.27060332	2.3672673	21	6 5.3	20.6
492459 2014 MR_{63}	18.4	X	337.05915	165.58746	120.99738	5.71344	0.1781580	0.26962127	2.3730121	21	5 18.9	20.5
492460 2014 MF_{69}	16.4	X	230.00728	17.73380	321.92397	8.64182	0.1240113	0.24678418	2.5172393	21	3 15.6	20.4
492461 2014 NL	17.8	X	327.88265	175.78342	152.53858	6.50277	0.1329166	0.28866783	2.2674469	21	7 10.9	19.9
492462 2014 NZ_{1}	18.1	X	350.99189	254.64036	41.47996	4.92292	0.2286874	0.27901069	2.3194703	21	7 2.5	19.4
492463 2014 NJ_{3}	17.5	X	314.00995	164.11675	142.66140	5.58467	0.1711343	0.27502754	2.3418115	21	5 8.3	20.1
492464 2014 NL_{18}	18.1	X	29.96208	140.86242	146.59675	6.32301	0.2010619	0.29885030	2.2156454	21	9 29.8	20.1
492465 2014 NH_{21}	16.9	X	132.60304	182.45541	215.65185	13.61019	0.1437350	0.22313719	2.6920807	21	2 20.9	21.1
492466 2014 NK_{21}	17.4	X	316.52787	75.44293	191.42194	14.11602	0.1041489	0.25313501	2.4749584	21	3 26.8	20.6
492467 2014 NC_{27}	17.6	X	322.26714	80.60171	153.62785	5.34940	0.0093518	0.24325532	2.5415256	21	3 7.6	20.7
492468 2014 ND_{30}	17.8	X	51.32919	115.93221	126.24890	23.30164	0.1673850	0.28602889	2.2813720	21	8 19.5	20.3
492469 2014 NH_{30}	18.0	X	77.39362	306.23656	266.40069	8.91487	0.1346765	0.28378555	2.2933792	21	8 4.2	20.8
492470 2014 NJ_{30}	18.1	X	330.53156	113.20667	201.48703	4.21289	0.1503611	0.27503509	2.3417686	21	6 21.9	20.3
492471 2014 NX_{30}	18.6	X	72.78691	97.88340	157.97301	4.76055	0.2333040	0.30011542	2.2094144	21	10 18.5	21.6
492472 2014 NB_{31}	17.9	X	326.15386	83.75498	240.82827	4.11614	0.1601399	0.27566657	2.3381910	21	6 27.5	19.9
492473 2014 NH_{33}	18.1	X	30.53752	75.39845	216.11505	2.45076	0.1714853	0.29239818	2.2481206	21	9 27.5	20.2
492474 2014 ND_{34}	17.1	X	122.37136	232.06141	153.45991	9.52829	0.1858848	0.21329617	2.7742612	21	2 4.9	21.2
492475 2014 NZ_{36}	17.2	X	257.62303	352.63467	296.29621	12.81659	0.2074693	0.23634822	2.5908036	21	2 4.8	21.6
492476 2014 NJ_{37}	17.4	X	48.65975	118.57497	143.42614	21.32005	0.1659676	0.28644504	2.2791619	21	9 15.8	20.1
492477 2014 NK_{37}	18.0	X	355.67720	350.15253	283.57463	10.16432	0.2216153	0.27053877	2.3676438	21	6 3.7	19.7
492478 2014 NB_{39}	19.7	X	39.44709	179.63744	218.44995	17.01820	0.6858639	0.45450325	1.6753725	21	—	—
492479 2014 NM_{44}	16.9	X	222.46372	54.99633	263.72627	12.09365	0.1915647	0.22937275	2.6430669	21	2 9.7	21.6
492480 2014 NQ_{45}	17.7	X	306.10150	157.59129	151.45458	6.97945	0.1673629	0.26510061	2.3999134	21	5 1.3	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492481 2014 NR_{47}	16.3	X	83.87711	137.74498	236.28424	16.49564	0.1419112	0.19528860	2.9422853	21	—	—
492482 2014 NO_{48}	16.7	X	149.39681	198.40339	235.84414	11.26318	0.0958648	0.24560833	2.5252671	21	4 22.1	20.4
492483 2014 NU_{48}	16.5	X	92.53531	212.40935	245.25685	13.84389	0.0714918	0.23219506	2.6216059	21	3 4.8	20.3
492484 2014 NH_{51}	17.1	X	257.43419	187.90263	158.98105	3.38108	0.2046093	0.25656187	2.4528706	21	4 18.3	20.8
492485 2014 NY_{53}	17.8	X	340.17476	244.94323	95.77311	6.79839	0.1812548	0.28364126	2.2941569	21	8 31.0	19.4
492486 2014 NE_{54}	17.0	X	262.81773	326.00643	325.71515	8.64338	0.1496523	0.23897055	2.5718154	21	2 18.7	20.8
492487 2014 NO_{54}	17.0	X	214.22618	329.95576	80.75747	7.42137	0.0951005	0.25989270	2.4318680	21	6 3.2	20.5
492488 2014 NA_{55}	17.5	X	306.94865	237.83938	50.97437	5.71407	0.2215229	0.25662989	2.4524372	21	3 27.4	20.6
492489 2014 NZ_{55}	17.0	X	222.48567	237.34647	97.98038	7.94733	0.2419347	0.23341652	2.6124520	21	3 8.2	21.6
492490 2014 NC_{56}	17.7	X	311.40836	249.18910	69.13232	6.89125	0.1375351	0.26436016	2.4043926	21	5 25.9	20.5
492491 2014 NJ_{56}	17.7	X	1.83259	220.66156	85.23147	6.63175	0.2361272	0.28142812	2.3061686	21	8 31.0	19.0
492492 2014 NR_{56}	17.9	X	34.82210	262.07300	43.21399	6.32265	0.1998291	0.29413545	2.2392597	21	10 31.6	20.3
492493 2014 NV_{58}	16.5	X	151.40152	229.28519	134.26996	25.99810	0.1327786	0.21591899	2.7517491	21	2 3.4	20.7
492494 2014 NN_{59}	18.1	X	347.77491	187.92233	95.65614	6.20841	0.1073101	0.26846183	2.3798396	21	6 11.9	20.4
492495 2014 NF_{60}	17.0	X	222.43367	222.30437	112.12684	9.40392	0.1819270	0.23263066	2.6183322	21	3 8.4	21.4
492496 2014 NG_{60}	17.9	X	36.74651	312.55389	348.91596	6.77614	0.2163326	0.29386787	2.2406188	21	10 28.6	20.4
492497 2014 NL_{60}	18.1	X	322.88141	258.11188	44.57920	4.11673	0.2044982	0.26438264	2.4042563	21	5 10.0	20.4
492498 2014 NB_{61}	17.9	X	307.33495	249.71067	59.56957	3.27581	0.1831973	0.26786069	2.3833988	21	4 28.4	20.5
492499 2014 NF_{61}	18.3	X	54.57735	271.58896	332.13178	5.50083	0.1523093	0.29132367	2.2536452	21	8 23.1	20.7
492500 2014 NG_{62}	18.0	X	45.78660	174.21953	82.42405	7.34700	0.1581196	0.28998035	2.2605997	21	9 2.5	20.4
492501 2014 NZ_{62}	17.8	X	25.04869	176.86268	86.36000	7.17813	0.0881754	0.28245010	2.3006023	21	7 22.2	20.1
492502 2014 OQ	17.4	X	306.73932	273.41845	88.87953	6.43348	0.1879729	0.28041000	2.3117474	21	7 15.9	19.4
492503 2014 OK_{4}	18.3	X	4.36433	189.19362	111.54568	4.88391	0.2077369	0.28138322	2.3064140	21	8 22.7	19.7
492504 2014 OG_{17}	17.3	X	91.86106	172.03940	274.91483	2.51888	0.0458053	0.23434828	2.6055227	21	2 19.7	20.6
492505 2014 OG_{21}	17.2	X	346.45726	222.76987	309.11269	6.51692	0.1398354	0.23148191	2.6269875	21	1 2.1	20.4
492506 2014 OJ_{21}	18.6	X	39.76271	248.62994	327.34595	0.93365	0.1312809	0.27085357	2.3658090	21	6 8.8	20.7
492507 2014 OM_{25}	18.7	X	32.37059	138.99403	118.32125	4.35528	0.1266358	0.28177443	2.3042786	21	7 30.9	20.8
492508 2014 OM_{28}	17.7	X	143.93561	312.91268	84.07962	3.77090	0.0930560	0.23095204	2.6310040	21	3 3.8	21.4
492509 2014 OW_{29}	18.1	X	8.43436	275.44163	9.94316	1.73097	0.1589692	0.28227401	2.3015590	21	7 30.9	19.8
492510 2014 OZ_{33}	18.2	X	337.22759	243.64597	85.77265	3.74654	0.2156213	0.28117050	2.3075771	21	7 26.9	19.4
492511 2014 OK_{34}	17.5	X	173.11605	317.16546	77.14564	4.30873	0.0676703	0.24229391	2.5482442	21	3 30.2	21.1
492512 2014 ON_{34}	18.3	X	13.84402	158.49273	88.40135	5.66651	0.1882144	0.27312856	2.3526535	21	6 7.2	19.7
492513 2014 OL_{37}	17.6	X	24.87528	341.96579	305.40876	3.31404	0.1395958	0.28805576	2.2706577	21	9 3.8	19.5
492514 2014 OK_{39}	17.8	X	334.26967	300.51511	327.07298	7.15935	0.1070286	0.26116118	2.4239871	21	4 19.9	20.6
492515 2014 OE_{41}	17.2	X	63.02839	157.59511	330.59827	8.71979	0.0618979	0.23855531	2.5747989	21	3 6.1	20.4
492516 2014 OH_{41}	17.6	X	227.58619	306.68320	104.10283	7.01041	0.1309642	0.26692136	2.3889872	21	6 15.6	21.0
492517 2014 OK_{41}	17.6	X	347.25248	98.68196	79.92780	3.57835	0.0297785	0.22922649	2.6441912	21	1 27.6	20.9
492518 2014 OP_{41}	17.6	X	144.66467	300.42494	91.67296	7.26453	0.1197301	0.22734497	2.6587601	21	3 3.4	21.5
492519 2014 OC_{42}	18.8	X	23.78151	269.01491	343.78701	4.61975	0.2123733	0.27914514	2.3187255	21	7 18.1	20.3
492520 2014 OS_{45}	18.5	X	86.14648	249.64402	298.67324	1.57860	0.1369065	0.27747012	2.3280479	21	7 15.5	21.1
492521 2014 OQ_{48}	16.6	X	139.13750	295.57882	103.79066	10.11061	0.1463813	0.22644292	2.6658163	21	3 10.6	20.7
492522 2014 OA_{51}	17.9	X	18.69836	143.91590	91.33803	2.46882	0.1353375	0.26831819	2.3806889	21	5 28.1	19.8
492523 2014 OJ_{52}	18.4	X	79.45994	221.79729	13.18578	1.63804	0.1013491	0.29041297	2.2583541	21	9 7.4	21.0
492524 2014 OV_{53}	17.8	X	272.37789	196.10652	84.69783	1.86557	0.1092613	0.24029249	2.5623744	21	2 20.0	21.4
492525 2014 OD_{55}	17.2	X	93.01708	285.92397	126.57227	12.15419	0.1020553	0.21389627	2.7690698	21	1 20.7	20.7
492526 2014 OE_{58}	18.1	X	66.64800	156.27106	87.69446	3.75047	0.1649977	0.29115187	2.2545316	21	9 14.7	20.8
492527 2014 OB_{65}	17.7	X	336.98395	183.33929	107.05553	5.78477	0.2814530	0.27009364	2.3702445	21	5 7.0	19.5
492528 2014 OG_{66}	17.6	X	111.21367	1.96997	67.69465	1.63910	0.0848744	0.22981556	2.6396707	21	3 3.6	21.1
492529 2014 OS_{69}	17.5	X	320.30528	115.96830	161.33796	4.45333	0.1024610	0.25560134	2.4590119	21	4 18.2	20.3
492530 2014 OM_{80}	18.3	X	43.25637	222.84247	31.90657	4.66800	0.0480733	0.28467568	2.2885960	21	8 5.3	20.8
492531 2014 OZ_{83}	18.6	X	59.53393	308.25573	324.90936	4.84917	0.2119329	0.30048102	2.2076218	21	10 19.9	21.5
492532 2014 OA_{84}	17.3	X	118.28583	85.44452	320.03801	6.45601	0.1005500	0.22604598	2.6689362	21	2 11.5	20.9
492533 2014 OL_{85}	16.7	X	199.70694	254.35719	80.98803	8.50668	0.2098976	0.22979369	2.6398383	21	2 19.1	21.3
492534 2014 OL_{90}	16.9	X	127.42447	237.92178	147.64685	7.27390	0.1606279	0.21772413	2.7365182	21	2 7.1	20.7
492535 2014 OQ_{91}	16.9	X	122.08694	286.52209	155.56763	12.18088	0.0906897	0.24205623	2.5499121	21	4 4.2	20.4
492536 2014 OZ_{93}	17.7	X	163.27592	285.05325	155.34862	6.31539	0.1505740	0.25673249	2.4517838	21	5 21.7	21.5
492537 2014 OP_{94}	17.9	X	51.77369	133.40164	126.68145	6.94199	0.2538132	0.28545286	2.2844401	21	10 2.2	20.7
492538 2014 OV_{94}	16.7	X	146.93859	276.55883	152.97984	22.14664	0.0992252	0.23093478	2.6311351	21	4 22.4	20.9
492539 2014 OB_{100}	16.5	X	50.19131	259.45367	152.04295	11.22261	0.1014223	0.18906919	3.0064608	21	—	—
492540 2014 OL_{102}	17.4	X	181.79929	216.34978	143.52508	10.83883	0.1771216	0.22172841	2.7034717	21	3 3.3	21.8
492541 2014 OQ_{102}	17.6	X	291.33445	221.21510	127.07086	4.62892	0.2293169	0.26219088	2.4176364	21	5 24.6	20.8
492542 2014 OK_{105}	17.7	X	218.72817	149.32495	199.51933	3.02330	0.0536049	0.24533391	2.5271498	21	3 20.5	21.2
492543 2014 OX_{105}	17.6	X	61.60914	89.63026	119.04986	6.74333	0.0648645	0.27190694	2.3596949	21	6 26.3	20.2
492544 2014 OE_{107}	18.0	X	279.49840	232.31514	107.44265	3.87256	0.1031481	0.26239401	2.4163886	21	5 16.4	21.0
492545 2014 OQ_{109}	17.0	X	54.59887	7.76191	14.50248	4.80277	0.1513267	0.18650720	3.0339307	21	—	—
492546 2014 OS_{109}	16.9	X	351.58790	44.22074	92.73595	8.28130	0.1553574	0.21413820	2.7669838	21	—	—
492547 2014 OM_{110}	18.2	X	5.22243	229.30134	57.91676	2.81393	0.1811198	0.27879749	2.3206527	21	7 27.9	19.7
492548 2014 ON_{110}	17.0	X	233.95279	211.46382	127.63959	15.48595	0.1905998	0.24070532	2.5594438	21	3 24.6	21.4
492549 2014 OV_{123}	16.6	X	16.09187	344.45875	124.42150	6.79194	0.1349194	0.21308537	2.7760905	21	—	—
492550 2014 OQ_{124}	17.4	X	8.60574	34.17562	122.62441	11.23494	0.1351727	0.23172238	2.6251698	21	1 17.2	20.1
492551 2014 OH_{125}	17.4	X	65.29700	335.83130	89.76092	5.30364	0.0910030	0.21103749	2.7940209	21	—	—
492552 2014 OS_{125}	17.9	X	93.74669	142.52057	329.37306	1.21655	0.0487539	0.24316409	2.5421612	21	3 27.1	20.9
492553 2014 OW_{132}	16.9	X	121.10577	285.47809	116.93998	22.71725	0.0574338	0.22722576	2.6596899	21	2 6.1	20.5
492554 2014 OA_{133}	17.8	X	355.27785	210.10863	82.09124	2.93972	0.2071380	0.27979857	2.3151141	21	7 8.9	19.0
492555 2014 OM_{134}	17.6	X	152.47745	16.05112	351.50249	2.02112	0.1503114	0.22201943	2.7011087	21	2 10.6	21.7
492556 2014 OM_{135}	18.0	X	31.96138	213.09080	17.29780	2.94081	0.1348056	0.27369172	2.3494251	21	6 16.6	20.0
492557 2014 OR_{136}	17.3	X	111.37440	274.70343	108.53405	7.67560	0.0930651	0.21282049	2.7783935	21	1 7.5	20.8
492558 2014 OP_{139}	17.5	X	140.06792	274.93252	132.19531	8.57366	0.1094755	0.23306586	2.6150717	21	3 14.5	21.3
492559 2014 OV_{140}	17.4	X	201.79809	285.57792	108.15907	6.70721	0.1138554	0.25159326	2.4850591	21	4 30.7	21.2
492560 2014 OJ_{141}	18.3	X	52.21337	240.50641	23.40050	2.05891	0.1668111	0.29272842	2.2464295	21	9 21.8	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492561 2014 OH_{144}	17.3	X	26.11758	183.89271	303.96883	10.79407	0.1283114	0.22284465	2.6944362	21	1 12.4	20.2
492562 2014 OM_{146}	17.2	X	192.92646	211.86243	133.17703	6.38241	0.1207321	0.23021388	2.6366251	21	2 19.9	21.2
492563 2014 OD_{147}	18.0	X	341.30587	165.10181	128.52567	8.98297	0.1617929	0.27311909	2.3527079	21	6 10.4	20.1
492564 2014 OZ_{147}	17.3	X	160.69585	268.02962	118.89211	3.07044	0.1157618	0.23366748	2.6105812	21	3 10.8	21.1
492565 2014 OS_{149}	19.0	X	27.34015	130.69597	102.75174	2.19971	0.1353542	0.27169529	2.3609202	21	6 12.4	21.1
492566 2014 OF_{151}	17.8	X	351.32950	285.06153	3.94749	5.61980	0.1683968	0.27752829	2.3277225	21	6 24.1	19.7
492567 2014 OJ_{156}	17.9	X	17.36460	149.13206	78.48537	7.46503	0.0903461	0.26532265	2.3985742	21	5 13.8	20.4
492568 2014 OK_{156}	17.1	X	183.21237	259.06775	89.08635	7.92055	0.1804418	0.22692201	2.6620628	21	2 19.7	21.5
492569 2014 OQ_{156}	17.2	X	161.98670	300.26747	73.54249	6.19577	0.0994402	0.22988673	2.6391259	21	2 24.7	21.2
492570 2014 OW_{160}	18.1	X	345.32770	263.10463	1.08847	5.71069	0.0996181	0.26544679	2.3978264	21	5 6.5	20.5
492571 2014 OW_{165}	18.8	X	17.93885	174.92720	85.86303	6.24198	0.1450290	0.27778753	2.3262741	21	7 8.6	20.6
492572 2014 OG_{172}	17.6	X	69.17148	120.33663	88.68943	7.19402	0.0550081	0.27494396	2.3422860	21	7 7.1	20.2
492573 2014 OL_{174}	18.0	X	22.27316	202.15580	60.07988	3.54440	0.1522521	0.27987217	2.3147081	21	7 22.4	19.9
492574 2014 OM_{179}	18.2	X	55.13822	264.13810	353.36490	5.62696	0.1728046	0.28915469	2.2649010	21	9 16.8	20.6
492575 2014 OC_{180}	18.5	X	329.02553	215.39724	92.52144	3.30861	0.2192564	0.27016747	2.3698127	21	5 27.9	20.3
492576 2014 OH_{180}	17.5	X	185.66035	307.47055	63.30378	3.73093	0.0460041	0.23425826	2.6061902	21	3 13.9	21.2
492577 2014 OU_{184}	16.6	X	131.64979	298.96631	40.52889	8.49149	0.2037590	0.19849821	2.9104824	21	—	—
492578 2014 OM_{185}	17.1	X	94.44119	121.64708	3.40660	3.88958	0.0903676	0.24337000	2.5407271	21	4 20.9	20.3
492579 2014 OU_{186}	16.8	X	137.21474	67.55465	298.51009	5.89431	0.0855026	0.20345508	2.8630154	21	1 18.7	20.8
492580 2014 OY_{187}	16.8	X	184.91938	3.80509	312.67502	4.29800	0.1533345	0.20628178	2.8368005	21	1 14.1	21.4
492581 2014 OF_{188}	16.4	X	62.96896	52.65381	333.83128	7.60915	0.1182449	0.17867782	3.1219237	21	—	—
492582 2014 OF_{189}	16.1	X	34.83813	53.90604	351.28168	9.86783	0.0858215	0.17391067	3.1787173	21	—	—
492583 2014 OS_{189}	17.4	X	206.11681	217.56930	152.69327	2.05643	0.1522925	0.23028422	2.6360882	21	4 4.4	21.7
492584 2014 OG_{190}	16.6	X	292.71756	271.00761	347.69209	14.26810	0.0661026	0.22352967	2.6889286	21	2 25.3	20.2
492585 2014 OP_{190}	17.2	X	174.20836	10.79280	332.13404	1.02848	0.2611918	0.21000728	2.8031509	21	2 9.4	22.0
492586 2014 OF_{191}	16.3	X	89.72456	209.03856	172.78376	9.72295	0.1155409	0.18637457	3.0353699	21	—	—
492587 2014 OM_{191}	17.3	X	181.15851	5.41639	9.80610	5.50827	0.0804663	0.22226966	2.6990810	21	3 16.5	21.4
492588 2014 OM_{192}	17.7	X	3.52033	181.47547	102.66613	2.72188	0.1841817	0.26879958	2.3778456	21	7 16.7	19.1
492589 2014 OA_{193}	17.8	X	287.98926	198.47132	139.82407	6.12806	0.1298893	0.25397031	2.4695287	21	5 22.9	21.0
492590 2014 OB_{193}	17.4	X	190.53728	254.64043	128.42752	5.53055	0.2114506	0.22752677	2.6573436	21	4 8.8	21.9
492591 2014 OH_{194}	16.6	X	89.49314	199.92609	159.17702	8.29291	0.1588367	0.18045172	3.1014303	21	—	—
492592 2014 OM_{194}	17.0	X	186.20998	172.77311	165.10801	7.45731	0.0762751	0.21192437	2.7862203	21	2 3.5	21.3
492593 2014 OW_{194}	16.8	X	303.34867	136.72650	155.91620	9.49834	0.0957181	0.24514877	2.5284221	21	4 18.7	20.1
492594 2014 OX_{194}	17.8	X	311.10872	316.66270	15.81248	1.64792	0.1899834	0.26346259	2.4098504	21	6 6.2	20.2
492595 2014 OY_{195}	16.2	X	78.03500	211.15967	171.99446	15.95719	0.0906297	0.18467859	3.0539248	21	—	—
492596 2014 ON_{197}	17.7	X	312.97918	175.15631	162.57729	6.82999	0.1288071	0.26592656	2.3949415	21	6 28.2	20.3
492597 2014 OL_{198}	17.0	X	236.70113	168.86254	177.73136	13.64986	0.1461233	0.23696746	2.5862881	21	4 4.2	21.1
492598 2014 OK_{199}	18.9	X	12.32572	205.12389	80.71843	3.76877	0.2356709	0.28149599	2.3057979	21	8 21.6	20.3
492599 2014 OG_{200}	17.5	X	221.83003	315.63259	98.84981	7.83334	0.0851986	0.27093720	2.3653221	21	6 17.6	20.6
492600 2014 OF_{204}	17.2	X	86.72930	15.24299	74.94281	5.04500	0.0888505	0.22925014	2.6440093	21	2 27.4	20.5
492601 2014 OD_{205}	18.0	X	340.39572	306.21804	353.86128	6.50077	0.1220217	0.27179903	2.3603194	21	6 22.2	20.4
492602 2014 ON_{205}	17.4	X	346.45471	155.81985	51.85946	6.68285	0.0839350	0.23950541	2.5679851	21	2 27.9	20.5
492603 2014 OQ_{206}	17.0	X	187.40338	7.18952	340.24575	6.48895	0.1351602	0.22178462	2.7030149	21	2 19.1	21.2
492604 2014 OW_{209}	18.1	X	31.13886	163.73665	37.77765	2.30833	0.1265064	0.26014461	2.4302978	21	4 29.9	20.3
492605 2014 OH_{210}	18.3	X	52.07995	302.70460	324.41101	2.27784	0.1511801	0.29307407	2.2446628	21	9 22.2	20.9
492606 2014 OK_{211}	17.1	X	234.57596	189.67456	81.22412	7.40272	0.0172160	0.21859539	2.7292420	21	1 6.3	20.8
492607 2014 OO_{211}	16.9	X	75.98538	16.51525	125.92278	14.36805	0.1081402	0.24406868	2.5358760	21	4 28.7	20.3
492608 2014 OS_{214}	17.6	X	112.96974	245.19280	205.71058	1.18275	0.0623314	0.24180390	2.5516857	21	3 27.5	20.7
492609 2014 OL_{216}	16.6	X	234.09427	34.08221	329.68366	7.11522	0.1847273	0.25197326	2.4825600	21	4 15.1	20.8
492610 2014 OC_{225}	17.2	X	187.71032	235.50996	91.00183	10.21204	0.0570673	0.22299235	2.6932463	21	1 21.3	21.1
492611 2014 OO_{228}	17.0	X	234.60586	111.48735	173.20087	15.01064	0.1765906	0.21719299	2.7409778	21	1 16.1	21.7
492612 2014 OX_{228}	16.2	X	42.55321	215.64213	181.67593	9.51314	0.1612136	0.17295282	3.1904427	21	—	—
492613 2014 OY_{228}	17.6	X	320.58739	153.00527	157.88473	3.15771	0.2278641	0.26125328	2.4234174	21	5 15.8	20.2
492614 2014 OL_{229}	16.0	X	97.62740	167.51228	173.88865	23.66871	0.1600486	0.17761771	3.1343335	21	—	—
492615 2014 OT_{230}	16.8	X	126.80434	272.55562	167.76774	22.00793	0.0647658	0.22554798	2.6728633	21	4 5.9	20.6
492616 2014 ON_{231}	17.4	X	328.67702	341.42399	309.68400	3.17304	0.1661279	0.25784173	2.4447469	21	5 9.2	19.9
492617 2014 OQ_{243}	18.5	X	19.62444	272.95064	39.05206	4.31175	0.2229825	0.29449107	2.2374566	21	10 20.6	20.4
492618 2014 OE_{248}	18.1	X	34.03209	169.76949	30.03656	2.45571	0.1176335	0.26196828	2.4190058	21	5 2.0	20.4
492619 2014 ON_{250}	18.2	X	68.27317	167.44943	88.35638	7.92579	0.1186423	0.29535795	2.2330765	21	9 29.7	21.0
492620 2014 OJ_{255}	17.4	X	159.91473	248.83056	90.11260	5.51964	0.0908683	0.21642291	2.7474759	21	1 9.5	21.3
492621 2014 OJ_{259}	17.8	X	335.31170	243.33133	35.29201	3.63592	0.1833317	0.26636137	2.3923344	21	4 29.9	19.9
492622 2014 OJ_{260}	17.9	X	86.49709	191.39762	39.75099	5.72197	0.0923904	0.29106762	2.2549667	21	9 12.6	20.8
492623 2014 OC_{261}	17.9	X	8.90422	245.89702	55.74356	7.07028	0.1283154	0.28522655	2.2856483	21	8 30.1	20.0
492624 2014 ON_{277}	17.9	X	40.61816	139.70719	104.44736	4.39983	0.0952758	0.27476498	2.3433031	21	7 20.3	20.3
492625 2014 OJ_{281}	17.0	X	55.33815	170.00599	63.61687	7.10144	0.0601080	0.27609220	2.3357873	21	7 24.8	19.8
492626 2014 OE_{286}	17.4	X	10.22602	230.57282	45.55080	7.00501	0.1112352	0.27423808	2.3463036	21	7 16.5	19.7
492627 2014 OV_{287}	16.0	X	79.77517	305.37278	100.85017	11.29457	0.1609180	0.19819567	2.9134435	21	1 5.4	19.5
492628 2014 OH_{290}	17.5	X	75.97131	154.75837	52.72971	7.24492	0.1537980	0.27778791	2.3262720	21	8 3.6	20.4
492629 2014 OG_{292}	17.6	X	236.87347	305.61130	48.14946	4.96266	0.1677766	0.24460407	2.5321743	21	4 11.2	21.6
492630 2014 ON_{295}	17.6	X	325.26730	308.92989	356.51820	2.15093	0.2088126	0.26174176	2.4204013	21	5 17.8	19.8
492631 2014 OU_{297}	17.9	X	336.05441	341.66398	334.70416	2.04731	0.1993246	0.26739886	2.3861423	21	7 1.1	19.7
492632 2014 OJ_{304}	17.9	X	63.27820	219.14633	331.59875	4.88929	0.1361865	0.26890127	2.3772461	21	6 13.5	20.6
492633 2014 OU_{304}	18.8	X	45.89491	297.81064	353.10389	1.57082	0.2237575	0.29832577	2.2182417	21	10 30.6	21.4
492634 2014 OK_{315}	16.4	X	256.93518	157.44748	107.37703	15.54766	0.0738270	0.22378664	2.6868697	21	1 19.9	20.3
492635 2014 OU_{316}	17.4	X	290.46814	216.99697	124.57027	7.71231	0.1411610	0.26524506	2.3990420	21	5 28.7	20.4
492636 2014 OK_{317}	18.7	X	348.86669	304.80976	17.24087	2.53169	0.2297016	0.27762542	2.3271796	21	8 17.2	19.7
492637 2014 OS_{318}	17.8	X	237.29479	249.96907	146.13871	3.15932	0.1907110	0.26406025	2.4062128	21	6 1.6	21.5
492638 2014 OB_{336}	17.5	X	357.00807	228.22121	94.29620	6.50885	0.1535579	0.28735394	2.2743534	21	9 10.1	19.3
492639 2014 OX_{340}	16.1	X	31.08099	290.19974	121.16043	17.17333	0.2789957	0.18097492	3.0954500	21	—	—
492640 2014 OK_{341}	17.5	X	130.00826	82.94896	350.46438	2.15441	0.1432682	0.23564471	2.5959575	21	4 6.3	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492641 2014 OQ_{341}	17.4	X	190.46195	208.94157	131.31816	13.62477	0.0517602	0.22698535	2.6615676	21	2 9.0	21.1
492642 2014 OV_{343}	18.2	X	46.89530	204.53160	67.23491	2.81355	0.2172078	0.29240356	2.2480930	21	10 4.9	20.6
492643 2014 OM_{348}	17.9	X	332.26845	107.84015	188.38126	3.44339	0.1475915	0.27042963	2.3682808	21	5 27.9	20.0
492644 2014 OS_{354}	17.2	X	118.13081	208.30316	158.51625	7.08093	0.0565237	0.20949960	2.8076777	21	—	—
492645 2014 OZ_{357}	17.5	X	190.40602	206.03685	157.31381	3.44746	0.1000476	0.23494730	2.6010922	21	3 10.3	21.3
492646 2014 OH_{358}	15.3	X	51.51661	230.51655	151.86999	27.48712	0.2208549	0.17362544	3.1821976	21	—	—
492647 2014 OO_{360}	16.7	X	199.89071	337.44780	347.19364	14.01533	0.1235913	0.21801325	2.7340983	21	2 6.9	21.1
492648 2014 OY_{366}	18.1	X	339.54184	187.83913	115.78191	2.21546	0.1904076	0.27071155	2.3666363	21	6 18.4	19.8
492649 2014 OY_{372}	17.5	X	9.04677	147.44251	151.90746	5.62821	0.1153815	0.28273201	2.2990728	21	8 20.1	19.5
492650 2014 OP_{373}	18.2	X	280.88171	151.20928	199.79762	1.90454	0.2114068	0.26206107	2.4184348	21	5 16.9	21.3
492651 2014 OC_{377}	17.7	X	293.17678	229.84050	91.18675	4.95461	0.1028694	0.25980319	2.4324265	21	5 9.5	20.7
492652 2014 OV_{377}	17.7	X	10.59542	182.42105	147.12961	7.09902	0.1095415	0.29256500	2.2472659	21	10 14.3	19.9
492653 2014 OS_{378}	18.1	X	353.16595	269.82939	32.74897	3.79599	0.1754105	0.27649893	2.3334961	21	7 24.2	19.8
492654 2014 OM_{380}	18.4	X	27.27751	110.01791	161.38455	5.02976	0.2148806	0.28646238	2.2790699	21	8 27.4	20.1
492655 2014 OM_{381}	17.8	X	14.41404	45.97458	236.89663	1.84397	0.1667919	0.28160770	2.3051881	21	8 8.7	19.5
492656 2014 ON_{384}	17.6	X	13.80809	273.99742	17.68043	7.53122	0.1602969	0.28156409	2.3054261	21	8 26.6	19.5
492657 2014 OV_{386}	16.6	X	81.54094	254.00382	159.87598	10.31986	0.1266592	0.21001269	2.8031028	21	1 9.4	20.1
492658 2014 OO_{388}	17.9	X	303.58798	310.25660	351.90541	1.96237	0.1922750	0.25901576	2.4373539	21	4 11.2	20.9
492659 2014 PO	16.1	X	51.15664	231.20049	143.65725	28.28756	0.2326609	0.17243204	3.1968633	21	—	—
492660 2014 PJ_{1}	17.4	X	141.64655	239.93020	120.51067	5.52691	0.0794706	0.21483609	2.7609882	21	1 13.8	21.3
492661 2014 PF_{3}	18.1	X	264.08012	68.03274	292.66019	1.38892	0.0875915	0.26389343	2.4072267	21	5 26.1	21.0
492662 2014 PG_{6}	17.4	X	209.53331	65.55400	280.19671	10.04729	0.0642613	0.23789527	2.5795592	21	3 2.1	21.4
492663 2014 PQ_{8}	17.7	X	72.26448	88.93809	141.74118	6.29177	0.1365810	0.28738377	2.2741960	21	8 27.8	20.3
492664 2014 PX_{8}	18.1	X	328.79604	198.21941	144.59703	6.86395	0.1461078	0.28187946	2.3037062	21	8 4.7	19.8
492665 2014 PB_{9}	17.6	X	197.41260	324.55862	81.83734	1.57695	0.0759831	0.25161985	2.4848840	21	5 10.3	21.1
492666 2014 PJ_{10}	18.1	X	25.04664	144.59958	96.00334	2.14191	0.1394083	0.26922424	2.3753445	21	6 19.7	20.1
492667 2014 PD_{17}	18.2	X	11.09488	142.46550	114.92281	1.98120	0.1431935	0.26962384	2.3729970	21	6 17.1	20.0
492668 2014 PD_{20}	18.3	X	53.79542	136.66301	119.49960	3.58193	0.2029824	0.28802112	2.2708398	21	9 19.7	20.8
492669 2014 PN_{20}	17.1	X	70.35748	28.81052	16.49876	1.84876	0.1059973	0.19750996	2.9201828	21	—	—
492670 2014 PO_{20}	18.1	X	338.90030	176.54403	108.14129	2.21704	0.1741028	0.26610693	2.3938592	21	5 19.3	20.1
492671 2014 PU_{20}	17.2	X	316.89670	252.75097	334.55208	12.12824	0.1197067	0.23486894	2.6016707	21	2 6.0	20.5
492672 2014 PZ_{24}	17.5	X	335.51225	287.08392	337.55140	5.66126	0.0760837	0.25454733	2.4657953	21	4 23.8	20.5
492673 2014 PM_{25}	17.0	X	109.07626	285.65513	143.04920	22.30729	0.0606707	0.22304593	2.6928150	21	2 25.5	20.6
492674 2014 PK_{26}	18.0	X	301.64993	246.76507	97.78480	3.59635	0.2139039	0.26749439	2.3855742	21	6 4.6	20.8
492675 2014 PS_{26}	17.7	X	8.38735	211.26096	52.28424	4.27187	0.1904220	0.27117444	2.3639424	21	6 22.4	19.3
492676 2014 PW_{30}	16.4	X	64.35394	245.58561	142.49066	6.50975	0.1488491	0.18538516	3.0461601	21	—	—
492677 2014 PH_{33}	16.7	X	69.67228	337.13554	53.93090	3.60891	0.1089219	0.19036302	2.9928228	21	—	—
492678 2014 PW_{33}	18.0	X	284.17364	308.48582	47.15939	3.51635	0.1917222	0.26306987	2.4122481	21	5 29.7	21.0
492679 2014 PB_{34}	16.8	X	87.92442	277.16552	107.81981	7.00247	0.1157415	0.19502146	2.9449716	21	—	—
492680 2014 PB_{36}	18.7	X	34.12845	196.80553	42.91588	2.00687	0.1408633	0.27178705	2.3603888	21	7 7.7	20.7
492681 2014 PO_{40}	17.2	X	257.68326	301.37812	333.17988	4.14964	0.0483360	0.22290851	2.6939216	21	2 4.3	21.1
492682 2014 PB_{42}	18.2	X	3.64612	157.62591	137.10863	6.22501	0.2364070	0.27772580	2.3266188	21	8 9.9	19.3
492683 2014 PL_{43}	17.4	X	292.72354	185.07873	77.09702	12.83617	0.1299520	0.23371874	2.6101995	21	2 22.9	21.3
492684 2014 PR_{43}	16.9	X	248.96865	244.63538	96.51165	15.04887	0.1332197	0.24178900	2.5517906	21	4 16.8	21.0
492685 2014 PX_{44}	18.1	X	313.99890	142.14367	181.58084	2.89518	0.1683432	0.27186435	2.3599413	21	6 2.1	20.6
492686 2014 PE_{45}	16.5	X	354.27993	287.54511	134.81916	16.93497	0.2032020	0.17106440	3.2138798	21	—	—
492687 2014 PE_{48}	18.1	X	340.62104	289.43358	0.14879	2.94352	0.1864811	0.26750302	2.3855229	21	5 27.8	20.0
492688 2014 PB_{51}	16.7	X	243.78654	181.34563	113.29205	20.18996	0.2245352	0.22840518	2.6505261	21	2 3.7	21.3
492689 2014 PO_{51}	17.2	X	264.44620	290.81083	345.26689	10.78285	0.0499297	0.22423833	2.6832604	21	2 15.2	20.9
492690 2014 PD_{52}	17.1	X	248.60010	328.87847	330.30387	8.32359	0.1163922	0.22870527	2.6482070	21	2 18.0	21.0
492691 2014 PC_{54}	17.2	X	298.41797	160.53817	102.41546	14.69671	0.1377882	0.23591283	2.5939903	21	2 28.7	21.0
492692 2014 PN_{54}	16.7	X	247.52195	184.37284	113.90850	19.45886	0.0895664	0.22455877	2.6807071	21	2 21.7	20.9
492693 2014 PP_{55}	17.6	X	294.30051	141.02482	176.07853	1.18769	0.2002986	0.25578308	2.4578470	21	4 19.5	20.7
492694 2014 PN_{57}	16.1	X	67.54877	257.13685	112.99970	19.10370	0.1338371	0.17624230	3.1506195	21	—	—
492695 2014 PZ_{57}	17.3	X	270.13882	189.08455	138.46118	7.20143	0.1153959	0.25308373	2.4752927	21	4 18.8	20.8
492696 2014 PZ_{59}	16.6	X	294.67416	24.41539	299.94793	24.02706	0.2309743	0.25796863	2.4439451	21	4 10.9	20.7
492697 2014 PJ_{61}	17.9	X	353.74249	166.84804	154.67157	3.00739	0.2522069	0.28645213	2.2791243	21	9 2.9	18.8
492698 2014 PE_{64}	18.1	X	9.05736	284.53207	22.39460	1.42914	0.1668623	0.28554847	2.2839302	21	9 8.7	19.8
492699 2014 PW_{64}	18.3	X	12.12890	256.83250	48.13613	3.08067	0.1831099	0.28678290	2.2773715	21	9 16.2	19.9
492700 2014 PV_{66}	18.3	X	345.56780	353.71426	341.45607	0.40422	0.2237102	0.28425238	2.2908675	21	9 1.0	19.4
492701 2014 PN_{67}	17.8	X	276.48993	347.74557	349.80149	2.12576	0.2130213	0.25816609	2.4426988	21	4 22.8	21.4
492702 2014 PM_{69}	17.0	X	127.10912	132.20689	265.72477	4.69539	0.1003753	0.21905492	2.7254237	21	2 12.3	20.9
492703 2014 PD_{70}	17.9	X	290.97932	7.79767	306.15805	1.58172	0.2105096	0.25706246	2.4496852	21	4 8.4	21.2
492704 2014 QA_{18}	18.0	X	40.29323	45.54145	213.36831	1.88983	0.1924911	0.27664329	2.3326843	21	8 27.1	20.2
492705 2014 QW_{19}	16.8	X	256.00859	24.20157	263.19655	3.67381	0.1966513	0.22891226	2.6466104	21	2 4.3	21.3
492706 2014 QX_{20}	16.7	X	226.60960	63.39596	280.90955	6.48650	0.0498605	0.23401286	2.6080119	21	3 22.2	20.5
492707 2014 QF_{23}	17.5	X	310.48505	100.13251	215.70966	5.57842	0.1246301	0.26056058	2.4277106	21	5 23.5	20.3
492708 2014 QH_{23}	18.0	X	348.03605	49.66903	250.87219	4.36130	0.1594606	0.27148903	2.3621159	21	7 6.1	19.7
492709 2014 QX_{23}	17.0	X	318.58308	280.62528	292.39569	5.58146	0.0894164	0.22307280	2.6925987	21	1 25.2	20.7
492710 2014 QX_{25}	16.4	X	115.18056	336.91520	336.18345	27.02734	0.1390287	0.17924694	3.1153120	21	—	—
492711 2014 QT_{26}	16.8	X	187.73489	23.95951	314.68643	7.66021	0.1853426	0.21701683	2.7424609	21	2 10.4	21.3
492712 2014 QG_{29}	17.8	X	346.32614	58.73975	249.57869	2.59281	0.1975338	0.27372423	2.3492391	21	7 13.2	19.4
492713 2014 QT_{29}	17.0	X	196.76898	45.98856	286.27386	4.06913	0.0661634	0.21761566	2.7374274	21	2 6.7	21.0
492714 2014 QR_{34}	17.8	X	316.06833	17.79547	266.43987	5.90267	0.1147290	0.26013620	2.4303502	21	4 14.7	20.9
492715 2014 QS_{35}	17.6	X	190.28477	199.37546	211.71932	5.22126	0.0984549	0.25239128	2.4798180	21	5 8.7	21.1
492716 2014 QF_{38}	16.5	X	175.60753	205.27811	163.80809	17.40229	0.1855508	0.22620383	2.6676944	21	3 7.8	20.7
492717 2014 QZ_{39}	17.5	X	228.99616	37.42717	253.41109	4.27312	0.0513227	0.21730882	2.7400037	21	1 22.2	21.5
492718 2014 QK_{40}	16.2	X	118.06255	358.69254	322.17659	9.20652	0.0843281	0.18351291	3.0668437	21	—	—
492719 2014 QZ_{45}	17.5	X	208.14259	140.76582	201.40569	2.49869	0.0933563	0.23615128	2.5922438	21	2 28.8	21.3
492720 2014 QN_{48}	17.1	X	203.94801	32.81172	286.43903	11.99696	0.0662498	0.22594375	2.6697412	21	1 27.2	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492721 2014 QR_{51}	16.9	X	117.86128	277.43066	142.98828	13.77289	0.1031277	0.22848179	2.6499336	21	3 3.9	20.5
492722 2014 QS_{59}	18.0	X	5.79902	148.01451	159.91974	6.59163	0.1567685	0.28570628	2.2830891	21	9 1.1	19.8
492723 2014 QN_{90}	17.9	X	9.30219	17.27399	257.65388	4.98817	0.2202495	0.27681573	2.3317154	21	7 17.0	19.2
492724 2014 QD_{103}	17.4	X	345.58682	321.63723	298.61676	6.63549	0.1985922	0.26227419	2.4171244	21	4 16.1	19.6
492725 2014 QL_{105}	17.2	X	120.58226	204.80932	195.45974	4.98820	0.0673665	0.21739753	2.7392583	21	2 3.3	21.1
492726 2014 QX_{106}	17.2	X	183.01547	142.59882	187.75641	5.93275	0.0254402	0.21688882	2.7435399	21	1 17.6	21.1
492727 2014 QM_{115}	16.3	X	49.20835	52.99518	330.83413	9.21360	0.1258310	0.17871522	3.1214881	21	—	—
492728 2014 QS_{119}	17.5	X	114.01383	270.73724	140.84749	1.37076	0.0688067	0.21507303	2.7589601	21	2 11.4	21.2
492729 2014 QK_{120}	17.9	X	22.91826	122.12941	147.93115	2.58239	0.1750840	0.27618552	2.3352611	21	8 7.7	19.7
492730 2014 QU_{120}	18.1	X	341.19987	301.73413	343.27574	5.82376	0.2161651	0.26584797	2.3954135	21	5 15.3	20.3
492731 2014 QM_{121}	16.5	X	349.96452	86.49448	346.67692	15.05600	0.0498042	0.17450430	3.1715042	21	12 29.6	21.0
492732 2014 QC_{123}	16.7	X	33.80659	324.54397	162.51406	17.51418	0.0719395	0.21307384	2.7761907	21	1 25.3	20.4
492733 2014 QL_{123}	18.6	X	45.60260	262.46588	359.61032	0.96228	0.2219546	0.28392958	2.2926035	21	9 17.1	20.9
492734 2014 QV_{123}	17.4	X	127.21678	144.48082	223.81276	1.20677	0.0783070	0.20352045	2.8624023	21	1 8.5	21.3
492735 2014 QN_{125}	17.3	X	344.38317	356.46302	189.12661	4.64230	0.0471715	0.21954880	2.7213350	21	1 30.5	20.9
492736 2014 QY_{125}	17.8	X	25.69453	314.84618	308.62872	3.35136	0.1885131	0.27477408	2.3432514	21	8 4.9	19.4
492737 2014 QD_{127}	18.4	X	13.06208	13.55300	293.87264	1.88968	0.2269619	0.28430319	2.2905946	21	9 26.2	20.0
492738 2014 QL_{127}	16.9	X	57.00329	109.74205	297.90746	3.41255	0.1353954	0.18672642	3.0315556	21	—	—
492739 2014 QC_{128}	17.0	X	131.04231	45.81121	321.49838	4.63806	0.0860327	0.20369682	2.8607498	21	1 13.6	21.1
492740 2014 QV_{128}	16.3	X	311.26591	126.72014	343.68689	17.66315	0.0915029	0.17070425	3.2183986	21	12 17.9	20.8
492741 2014 QD_{129}	17.4	X	246.41164	123.17389	159.35663	3.93731	0.0879351	0.22090139	2.7102151	21	1 28.9	21.4
492742 2014 QQ_{134}	16.9	X	98.90536	261.52374	136.91168	7.39619	0.1075964	0.20145841	2.8819013	21	1 14.4	20.8
492743 2014 QT_{134}	17.3	X	42.39208	113.61716	36.70466	3.07198	0.0073367	0.22718173	2.6600335	21	3 7.5	20.7
492744 2014 QX_{134}	17.9	X	335.05637	271.23113	7.20236	4.90396	0.1045065	0.25608094	2.4559407	21	5 10.6	20.6
492745 2014 QZ_{135}	17.5	X	359.58633	164.38812	59.37858	2.09053	0.0379006	0.24063440	2.5599466	21	4 12.1	20.6
492746 2014 QT_{136}	17.8	X	55.69143	73.57901	155.46460	1.79380	0.1360352	0.26890261	2.3772382	21	7 28.9	20.3
492747 2014 QU_{136}	17.9	X	301.50193	160.71060	175.25486	1.49269	0.1762432	0.26211177	2.4181229	21	5 29.6	20.6
492748 2014 QD_{137}	18.3	X	23.29450	131.76434	148.11721	2.77274	0.2030096	0.27889837	2.3200930	21	8 30.4	20.1
492749 2014 QP_{142}	16.1	X	47.67433	53.59808	4.80125	12.88089	0.1116704	0.18678346	3.0309383	21	—	—
492750 2014 QA_{150}	17.1	X	264.32916	244.79219	31.65100	5.85946	0.0138596	0.22136997	2.7063891	21	2 20.6	20.8
492751 2014 QV_{151}	17.0	X	249.24353	230.41288	112.96644	8.42902	0.2068929	0.23822415	2.5771846	21	4 10.5	21.3
492752 2014 QK_{153}	16.7	X	162.74172	42.17718	357.90162	14.68514	0.0943038	0.24135896	2.5548207	21	3 24.5	20.5
492753 2014 QD_{166}	16.8	X	290.19702	143.92619	165.65260	13.51571	0.2601380	0.25389095	2.4700433	21	3 29.5	20.4
492754 2014 QM_{167}	15.9	X	186.08708	266.40562	84.60442	15.20400	0.1055151	0.21083041	2.7958501	21	2 28.0	20.5
492755 2014 QP_{167}	15.9	X	126.30510	174.82797	152.86013	19.00925	0.1877618	0.18051745	3.1006774	21	—	—
492756 2014 QE_{168}	15.6	X	49.79080	332.72987	94.38885	14.67926	0.1194052	0.17997746	3.1068763	21	—	—
492757 2014 QL_{168}	16.8	X	269.56805	43.68849	238.21450	11.89276	0.1346782	0.23498259	2.6008318	21	2 10.7	21.0
492758 2014 QC_{170}	17.3	X	220.88189	207.08124	178.56186	13.85374	0.0451941	0.24704095	2.5154948	21	5 14.4	21.0
492759 2014 QD_{170}	17.5	X	199.68388	196.06029	176.10274	12.30658	0.1125749	0.23209706	2.6223438	21	4 1.0	21.5
492760 2014 QR_{170}	16.4	X	90.28084	188.26371	174.10016	9.43892	0.0869553	0.18448098	3.0561054	21	—	—
492761 2014 QQ_{171}	17.2	X	234.78676	350.01845	3.70729	13.63521	0.1926050	0.23693969	2.5864902	21	4 5.2	21.6
492762 2014 QR_{172}	16.8	X	22.99857	259.65547	162.76920	11.54093	0.1343933	0.17965393	3.1106052	21	—	—
492763 2014 QC_{173}	18.2	X	337.49804	55.27110	254.23744	1.25783	0.2283745	0.27086483	2.3657434	21	6 17.9	19.6
492764 2014 QA_{174}	16.5	X	348.71124	281.63783	170.42702	9.07568	0.0948704	0.17805947	3.1291472	21	—	—
492765 2014 QN_{174}	16.9	X	10.70777	306.96357	153.71519	6.55880	0.0635334	0.19217492	2.9739813	21	—	—
492766 2014 QZ_{177}	18.3	X	2.68156	107.01175	159.59503	3.44307	0.1553801	0.26570166	2.3962927	21	6 13.9	20.4
492767 2014 QV_{178}	17.4	X	163.70068	351.64841	48.07669	3.11581	0.1159260	0.22637718	2.6663324	21	3 30.6	21.3
492768 2014 QL_{179}	16.7	X	197.65201	125.16454	134.79861	12.45225	0.1033683	0.18937966	3.0031740	21	—	—
492769 2014 QN_{188}	17.2	X	187.92122	27.36412	317.32238	13.26727	0.0862885	0.22313241	2.6921191	21	2 12.5	21.3
492770 2014 QS_{193}	16.5	X	352.86014	148.49417	310.96029	8.06816	0.1651290	0.18436644	3.0573710	21	—	—
492771 2014 QU_{195}	17.2	X	198.70442	166.83207	171.70435	14.67751	0.0742837	0.22473008	2.6793446	21	2 14.8	21.4
492772 2014 QX_{201}	18.3	X	40.71503	328.17072	288.56156	2.19446	0.1941659	0.28044356	2.3115630	21	8 25.2	20.4
492773 2014 QA_{205}	17.0	X	69.24932	87.96534	313.57259	4.62020	0.0695798	0.19498662	2.9453224	21	—	—
492774 2014 QF_{205}	17.0	X	18.65204	285.43020	172.83602	6.15118	0.0677054	0.19750818	2.9202004	21	—	—
492775 2014 QQ_{207}	16.4	X	16.77457	188.01177	330.78588	13.21352	0.1846370	0.22290978	2.6939114	21	2 4.8	19.1
492776 2014 QB_{212}	16.9	X	54.04043	244.24311	156.14388	5.52288	0.1014044	0.18652756	3.0337098	21	—	—
492777 2014 QC_{214}	17.3	X	260.72548	333.06379	320.38159	9.91483	0.1165619	0.23327947	2.6134751	21	2 21.4	21.2
492778 2014 QA_{215}	17.2	X	29.77398	235.60655	315.17572	6.80006	0.0740952	0.24168535	2.5525201	21	4 7.8	20.2
492779 2014 QO_{216}	18.1	X	284.99668	117.61628	173.75256	10.33003	0.1073598	0.24271944	2.5452650	21	3 19.6	21.4
492780 2014 QS_{222}	17.6	X	347.26242	116.97148	168.81742	6.67090	0.1170401	0.26676596	2.3899149	21	6 14.1	20.1
492781 2014 QV_{223}	18.0	X	353.48564	305.84276	336.42816	5.62754	0.2239727	0.27049270	2.3679127	21	6 13.1	19.6
492782 2014 QG_{226}	17.7	X	260.84640	109.75361	167.90261	3.73258	0.0591127	0.22572872	2.6714364	21	2 9.1	21.5
492783 2014 QV_{227}	17.7	X	38.90030	223.18641	334.83745	3.09544	0.0647152	0.24748213	2.5125043	21	5 4.5	20.7
492784 2014 QE_{228}	17.4	X	122.11573	250.83291	166.35414	2.10297	0.0906488	0.21857867	2.7293812	21	3 2.9	21.2
492785 2014 QU_{228}	18.1	X	329.66846	98.81066	228.23365	0.72290	0.2019726	0.27197169	2.3593204	21	7 3.3	20.0
492786 2014 QO_{230}	16.5	X	80.03491	196.18281	175.54389	9.76446	0.0860193	0.18473030	3.0533549	21	—	—
492787 2014 QJ_{232}	16.6	X	46.91806	77.88027	351.12188	10.15343	0.0725552	0.19316116	2.9638497	21	—	—
492788 2014 QM_{232}	18.0	X	359.02262	301.47669	357.40291	3.31322	0.2093124	0.27583520	2.3372379	21	8 2.9	19.4
492789 2014 QP_{233}	17.2	X	222.34916	274.81867	20.49701	4.52760	0.0428889	0.21495021	2.7600109	21	1 23.3	21.2
492790 2014 QL_{234}	16.5	X	341.97930	292.89964	159.55716	22.02303	0.0338830	0.17771056	3.1332417	21	—	—
492791 2014 QO_{237}	16.4	X	57.18723	246.71179	155.32621	8.92930	0.1023871	0.18510653	3.0492162	21	—	—
492792 2014 QW_{237}	16.9	X	85.52404	262.71903	130.83919	4.26196	0.0447205	0.19501798	2.9450067	21	—	—
492793 2014 QS_{239}	17.1	X	118.81520	216.04876	158.10890	6.52027	0.0753695	0.20266440	2.8704572	21	1 4.9	21.2
492794 2014 QC_{240}	16.2	X	0.91385	112.08425	334.53546	11.73281	0.1460895	0.17839214	3.1252559	21	—	—
492795 2014 QK_{241}	18.2	X	354.81917	176.59360	100.77342	3.30148	0.1959192	0.26668424	2.3904031	21	6 10.9	19.8
492796 2014 QM_{242}	16.4	X	266.08118	29.62642	147.80095	17.45033	0.1464096	0.18151501	3.0893066	21	—	—
492797 2014 QG_{244}	16.8	X	139.93012	273.27732	105.79166	8.35991	0.0501245	0.21101036	2.7942603	21	2 1.8	20.7
492798 2014 QV_{244}	16.6	X	102.64359	253.55606	91.92598	9.56978	0.0728693	0.18448029	3.0561130	21	—	—
492799 2014 QL_{246}	16.5	X	114.26145	325.83798	45.39661	9.43463	0.1692571	0.19657516	2.9294333	21	1 12.2	20.7
492800 2014 QN_{248}	17.5	X	252.50899	231.38618	110.56846	6.22151	0.1504113	0.24329178	2.5412716	21	4 15.0	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492801 2014 QB_{249}	16.5	X	87.96966	243.04189	122.91698	9.91648	0.0825873	0.18428548	3.0582663	21	—	—
492802 2014 QW_{249}	16.9	X	13.18225	33.48023	40.67553	10.25126	0.0610403	0.17963596	3.1108127	21	—	—
492803 2014 QG_{251}	16.2	X	295.46325	170.57572	27.67686	15.56974	0.0805062	0.20215628	2.8752651	21	—	—
492804 2014 QZ_{251}	16.7	X	104.42109	347.49003	41.46546	11.87814	0.0997006	0.19805623	2.9148108	21	1 11.6	20.8
492805 2014 QA_{254}	16.9	X	292.92151	155.88735	114.19144	10.39158	0.1081177	0.23259828	2.6185752	21	3 6.3	20.6
492806 2014 QE_{255}	16.9	X	41.05241	52.73890	140.45410	15.61624	0.0293071	0.23970071	2.5665900	21	5 6.6	20.5
492807 2014 QW_{255}	16.3	X	55.11408	283.01447	111.19787	10.47437	0.0888111	0.17856625	3.1232239	21	—	—
492808 2014 QZ_{259}	16.5	X	118.02246	320.95630	49.82029	10.64615	0.0938305	0.19836066	2.9118278	21	1 4.4	20.7
492809 2014 QV_{262}	16.9	X	319.10094	202.71568	41.35710	11.43999	0.0837484	0.23449606	2.6044280	21	3 12.3	20.4
492810 2014 QJ_{263}	16.4	X	7.82178	326.48225	117.43171	10.32172	0.1946263	0.17570107	3.1570862	21	—	—
492811 2014 QV_{264}	16.6	X	28.14613	49.88978	114.33295	15.28531	0.0946101	0.22253929	2.6969005	21	3 12.4	20.0
492812 2014 QH_{267}	17.5	X	267.13839	161.07468	162.05640	5.92282	0.2338671	0.24154559	2.5535046	21	3 27.2	21.4
492813 2014 QV_{267}	17.5	X	290.42815	304.61916	324.83954	7.66696	0.1179701	0.23440999	2.6050654	21	2 24.4	21.3
492814 2014 QQ_{269}	17.3	X	222.46131	122.19317	207.02878	3.06657	0.0435077	0.22740138	2.6583204	21	3 1.9	21.1
492815 2014 QS_{269}	16.0	X	307.01343	259.74892	162.03073	20.38516	0.3201254	0.13781886	3.7119059	21	9 6.9	20.3
492816 2014 QG_{273}	15.8	X	72.33799	209.01490	136.73387	13.10002	0.3010604	0.17355763	3.1830264	21	—	—
492817 2014 QQ_{275}	17.2	X	185.14029	308.49877	27.03796	4.31328	0.1054385	0.20951588	2.8075322	21	2 4.1	21.6
492818 2014 QF_{276}	18.2	X	297.78253	220.62079	128.30501	7.09937	0.1281476	0.27093724	2.3653219	21	6 20.1	20.9
492819 2014 QF_{279}	17.5	X	179.30553	334.52244	11.62777	5.28455	0.1368988	0.22203389	2.7009914	21	2 11.2	21.7
492820 2014 QB_{280}	17.1	X	152.51888	8.70565	343.11921	4.02595	0.0832450	0.21365471	2.7711566	21	1 17.3	21.0
492821 2014 QE_{281}	16.6	X	56.32237	299.82094	91.93482	2.54667	0.0887390	0.19009693	2.9956149	21	—	—
492822 2014 QO_{282}	17.1	X	188.08967	331.25572	69.21404	12.63731	0.1326533	0.24024508	2.5627115	21	4 27.5	21.2
492823 2014 QL_{283}	16.3	X	353.57269	339.78641	117.14911	18.07754	0.0972170	0.18541034	3.0458844	21	—	—
492824 2014 QM_{284}	16.7	X	161.23623	240.10307	107.48285	15.80012	0.0096974	0.21200923	2.7854767	21	1 13.5	20.6
492825 2014 QW_{288}	16.4	X	107.51256	321.86785	117.14421	22.75217	0.0464689	0.22579837	2.6708870	21	3 11.6	20.3
492826 2014 QH_{290}	16.2	X	104.88281	280.73037	61.44338	11.50061	0.1189796	0.18469713	3.0537205	21	—	—
492827 2014 QN_{290}	16.7	X	211.29055	226.43504	124.82118	14.06053	0.1834577	0.22997007	2.6384883	21	3 20.7	21.3
492828 2014 QR_{290}	16.7	X	17.40810	353.80180	112.76619	13.11512	0.0003382	0.19815381	2.9138539	21	—	—
492829 2014 QC_{300}	17.0	X	166.49548	352.64778	350.32210	3.17632	0.1042875	0.20813105	2.8199720	21	1 24.6	21.3
492830 2014 QJ_{301}	16.3	X	64.73916	0.61520	6.44435	26.40200	0.1486103	0.17346319	3.1841816	21	—	—
492831 2014 QB_{304}	16.6	X	13.80952	107.95582	335.22095	19.16116	0.1250806	0.18304291	3.0720912	21	—	—
492832 2014 QQ_{304}	17.4	X	356.58015	237.68407	63.52584	6.48803	0.2538040	0.27465291	2.3439405	21	8 3.1	18.6
492833 2014 QZ_{306}	17.9	X	294.50917	216.53082	139.37790	3.35882	0.2064628	0.26333519	2.4106275	21	6 11.9	20.8
492834 2014 QR_{307}	18.1	X	335.84706	301.35048	14.20969	1.82188	0.1666589	0.26683037	2.3895303	21	7 3.4	20.2
492835 2014 QW_{307}	16.5	X	255.12218	244.77928	12.30640	8.99214	0.1101895	0.20958502	2.8069148	21	1 10.0	20.9
492836 2014 QF_{313}	17.8	X	349.34319	103.39622	154.33604	5.15901	0.0877634	0.26245077	2.4160401	21	5 9.5	20.4
492837 2014 QS_{318}	17.8	X	323.74140	118.18802	123.03969	3.54299	0.0523762	0.24078111	2.5589066	21	3 13.9	21.0
492838 2014 QF_{322}	16.9	X	129.53955	314.22260	24.50875	3.17652	0.1007965	0.18838850	3.0136984	21	—	—
492839 2014 QC_{323}	16.6	X	187.93478	270.33003	6.10116	12.28783	0.0884013	0.18819361	3.0157787	21	—	—
492840 2014 QU_{323}	17.0	X	252.40654	276.18888	15.33077	10.55561	0.1188014	0.22242373	2.6978345	21	2 17.4	21.2
492841 2014 QZ_{325}	17.1	X	266.44652	279.61712	20.22498	8.43749	0.0799725	0.22795078	2.6540473	21	3 15.9	20.9
492842 2014 QR_{328}	16.8	X	111.50631	187.00150	163.80970	6.79841	0.1934535	0.18364125	3.0654146	21	—	—
492843 2014 QC_{329}	17.0	X	178.84432	256.49815	112.96642	6.14470	0.1546929	0.21604254	2.7506998	21	3 12.9	21.4
492844 2014 QL_{332}	16.2	X	102.45847	327.94883	21.90264	17.92777	0.1056558	0.18031641	3.1029817	21	—	—
492845 2014 QT_{332}	16.0	X	51.13116	4.52100	27.03482	16.92119	0.0852552	0.17310514	3.1885709	21	—	—
492846 2014 QW_{332}	16.2	X	228.06095	212.25797	46.09906	6.63417	0.1300378	0.19839767	2.9114656	21	—	—
492847 2014 QT_{336}	17.3	X	208.52315	230.87819	134.14450	4.86298	0.1277690	0.23133328	2.6281126	21	4 1.7	21.4
492848 2014 QA_{337}	15.7	X	10.62533	71.18153	358.10334	17.93529	0.1253920	0.17323160	3.1870189	21	—	—
492849 2014 QO_{338}	17.5	X	16.23284	316.88384	280.98703	3.43217	0.1540422	0.26602910	2.3943260	21	5 26.9	19.3
492850 2014 QZ_{338}	17.3	X	172.16818	222.25090	148.91637	6.77504	0.1746534	0.22548764	2.6733401	21	3 7.4	21.5
492851 2014 QR_{341}	17.0	X	180.60771	19.93109	326.40913	4.76082	0.0467739	0.22212915	2.7002192	21	2 5.7	20.6
492852 2014 QD_{342}	17.4	X	264.04315	317.40398	326.44425	5.88259	0.1252466	0.23548538	2.5971284	21	2 13.4	21.3
492853 2014 QW_{348}	15.6	X	9.43864	78.27337	348.85096	9.62783	0.0846067	0.17412360	3.1761253	21	—	—
492854 2014 QL_{349}	16.1	X	72.17764	232.24750	164.92589	10.70127	0.1059724	0.18743644	3.0238950	21	—	—
492855 2014 QN_{350}	17.0	X	113.85573	316.78935	72.58117	3.06025	0.0625915	0.20219554	2.8748929	21	1 16.7	20.8
492856 2014 QY_{353}	16.2	X	40.86932	40.28236	354.80705	16.26653	0.1543616	0.17274550	3.1929949	21	—	—
492857 2014 QR_{357}	17.0	X	231.69911	157.98337	119.61713	3.11612	0.0230116	0.20430941	2.8550286	21	1 13.6	21.1
492858 2014 QE_{358}	16.2	X	27.77779	25.11753	181.68368	32.09739	0.1602872	0.24062257	2.5600305	21	5 9.0	19.3
492859 2014 QK_{358}	17.5	X	185.22695	166.72236	169.13379	6.53645	0.0635289	0.20950483	2.8076310	21	1 30.7	21.7
492860 2014 QS_{358}	16.0	X	39.54724	54.94208	358.85117	9.11396	0.0648363	0.17805213	3.1292333	21	—	—
492861 2014 QY_{358}	17.7	X	286.15107	16.30965	340.19010	3.95899	0.2403179	0.25936877	2.4351418	21	5 25.5	21.1
492862 2014 QZ_{359}	18.2	X	19.02138	316.19852	336.23090	1.81446	0.2128261	0.27861785	2.3216501	21	9 12.0	20.1
492863 2014 QK_{367}	17.5	X	240.82884	183.08248	146.52566	8.82721	0.2147119	0.22990214	2.6390080	21	3 15.3	22.0
492864 2014 QD_{369}	17.0	X	210.07999	348.59826	337.61670	4.19303	0.1030121	0.21684150	2.7439390	21	2 15.1	21.0
492865 2014 QF_{369}	17.7	X	12.60878	247.40423	31.34657	4.19154	0.1735729	0.27436354	2.3455883	21	7 31.5	19.5
492866 2014 QY_{373}	18.1	X	336.44380	276.43161	32.02120	6.95306	0.1779601	0.26541959	2.3979902	21	6 20.8	20.2
492867 2014 QN_{377}	17.6	X	2.94499	351.05812	275.90337	3.67614	0.1784846	0.26222296	2.4174393	21	6 14.6	19.5
492868 2014 QE_{378}	16.4	X	340.57233	291.87623	188.31130	9.87238	0.0761864	0.18241232	3.0791672	21	—	—
492869 2014 QN_{378}	17.2	X	163.62475	118.26445	200.30264	5.29663	0.0743442	0.19623657	2.9328021	21	—	—
492870 2014 QG_{379}	16.2	X	124.67249	161.96839	176.64528	10.99388	0.0955416	0.18702867	3.0282886	21	—	—
492871 2014 QL_{380}	17.5	X	254.84843	23.32400	285.92120	1.91505	0.1532082	0.23207671	2.6224971	21	3 4.5	21.6
492872 2014 QR_{381}	16.5	X	280.38371	26.78043	201.56313	5.98254	0.0039008	0.20425167	2.8555666	21	1 12.1	20.6
492873 2014 QM_{384}	15.8	X	31.80267	68.85487	326.92624	11.42711	0.0707175	0.17414017	3.1759238	21	—	—
492874 2014 QK_{388}	17.3	X	26.51666	348.74170	153.05787	10.13469	0.1095196	0.21956412	2.7212084	21	1 31.8	20.4
492875 2014 QV_{392}	17.0	X	71.89830	85.34010	53.07799	13.10888	0.0848412	0.23993752	2.5649010	21	4 11.9	20.2
492876 2014 QY_{392}	17.5	X	178.92145	231.82460	128.25722	3.96272	0.1045555	0.21933753	2.7230822	21	2 25.2	21.5
492877 2014 QR_{393}	17.9	X	352.46812	296.27448	13.69697	6.43167	0.2246556	0.27428421	2.3460405	21	8 6.7	19.3
492878 2014 QZ_{395}	16.8	X	153.13151	322.32565	2.16320	4.83558	0.0729050	0.19446270	2.9506102	21	—	—
492879 2014 QN_{396}	18.6	X	353.23791	115.42596	176.52526	1.18478	0.1874563	0.26688533	2.3892022	21	7 3.0	20.3
492880 2014 QM_{397}	17.7	X	271.88314	353.22958	320.82314	1.43283	0.0607331	0.23734998	2.5835087	21	4 8.1	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492881 2014 QH_{399}	17.0	X	182.15198	174.23236	189.40177	6.02231	0.0354556	0.22292215	2.6938117	21	2 26.5	20.7
492882 2014 QS_{399}	16.5	X	65.13819	206.71753	180.38304	5.21186	0.1359441	0.18091394	3.0961455	21	—	—
492883 2014 QA_{400}	17.2	X	136.90089	337.71711	43.03589	6.20175	0.0795701	0.21429626	2.7656231	21	2 4.9	21.2
492884 2014 QU_{400}	16.9	X	119.99300	306.76810	94.39189	3.33684	0.0821852	0.21324859	2.7746738	21	2 8.9	20.6
492885 2014 QS_{402}	16.6	X	152.51688	341.60512	356.55925	7.87773	0.0850740	0.20366226	2.8610735	21	1 3.2	20.9
492886 2014 QV_{402}	17.0	X	346.34233	240.78633	354.14919	7.98977	0.0148750	0.24096355	2.5576149	21	4 7.2	20.2
492887 2014 QW_{405}	17.4	X	292.54674	121.87234	214.27756	5.04740	0.1232846	0.25825976	2.4421081	21	5 25.9	20.5
492888 2014 QE_{406}	16.8	X	35.61899	223.54604	184.12471	11.07241	0.1084513	0.17927491	3.1149880	21	—	—
492889 2014 QQ_{406}	17.7	X	5.86164	317.68867	305.27176	1.46865	0.1557725	0.26313611	2.4118433	21	6 14.9	19.8
492890 2014 QJ_{410}	16.7	X	108.36941	43.56854	334.10549	12.30326	0.0979216	0.20182709	2.8783907	21	1 1.8	20.7
492891 2014 QC_{412}	18.3	X	56.35663	93.51815	148.23286	5.46395	0.1440550	0.27922104	2.3183053	21	8 20.4	20.8
492892 2014 QD_{413}	18.2	X	351.66431	174.47241	117.91300	2.13046	0.1880186	0.27324026	2.3520123	21	6 29.6	19.7
492893 2014 QV_{414}	17.7	X	332.64331	154.78558	141.09082	7.02050	0.1230373	0.26452192	2.4034123	21	6 2.0	20.3
492894 2014 QM_{415}	17.4	X	144.17793	309.62295	60.21009	1.48088	0.0874146	0.21376856	2.7701726	21	1 29.9	21.3
492895 2014 QA_{416}	16.3	X	66.69553	168.24423	197.84595	9.63919	0.0463237	0.17438203	3.1729866	21	—	—
492896 2014 QH_{422}	18.0	X	314.09746	286.99923	11.47799	1.19396	0.1769813	0.25839821	2.4412357	21	4 24.3	20.9
492897 2014 QA_{424}	16.7	X	34.81693	258.62814	225.06117	6.78332	0.0435155	0.20636391	2.8360479	21	1 23.5	20.5
492898 2014 QD_{425}	18.2	X	4.97842	326.96398	350.73710	5.04526	0.2515340	0.28472074	2.2883546	21	9 28.6	19.5
492899 2014 QX_{425}	17.6	X	351.45832	66.26231	246.22890	4.89338	0.2466631	0.27455259	2.3445114	21	8 2.2	18.9
492900 2014 QE_{426}	17.3	X	217.46390	161.45730	150.47528	2.49111	0.1394101	0.22127044	2.7072007	21	2 3.7	21.7
492901 2014 QM_{428}	16.7	X	80.79171	64.54950	301.74905	9.44433	0.0608457	0.18415409	3.0597208	21	—	—
492902 2014 QB_{429}	16.1	X	57.32431	100.07261	292.25033	8.01299	0.1174861	0.18243588	3.0789020	21	—	—
492903 2014 QL_{431}	16.3	X	56.25517	281.17861	96.16183	17.00454	0.2478174	0.17663576	3.1459390	21	—	—
492904 2014 QU_{431}	16.6	X	130.55021	344.91207	31.29228	11.30247	0.0397136	0.19262200	2.9693778	21	1 22.4	21.0
492905 2014 QD_{432}	16.1	X	45.75490	237.30600	199.21649	9.79985	0.0873462	0.17917467	3.1161497	21	—	—
492906 2014 QJ_{432}	17.4	X	0.38510	260.19030	50.86639	3.02609	0.2484872	0.27091157	2.3654713	21	9 2.8	18.7
492907 2014 QG_{437}	16.4	X	254.20775	231.73712	118.79309	11.31440	0.1651732	0.23852934	2.5749858	21	4 28.7	20.5
492908 2014 QX_{437}	16.7	X	308.28358	133.84907	184.02668	14.93050	0.1348477	0.24183891	2.5514394	21	5 24.3	20.1
492909 2014 QZ_{437}	16.0	X	160.44056	161.28906	137.81175	6.52849	0.1082781	0.17224290	3.1992032	21	—	—
492910 2014 QC_{438}	16.3	X	127.01490	293.49616	57.98796	17.29795	0.1896880	0.18270458	3.0758826	21	1 7.4	21.1
492911 2014 QG_{438}	16.0	X	178.58964	217.04971	86.58063	10.10124	0.0726762	0.17982600	3.1086207	21	—	—
492912 2014 RX_{1}	18.4	X	20.18675	283.43300	30.47810	4.71888	0.2969991	0.29042411	2.2582964	21	11 5.6	20.3
492913 2014 RN_{3}	16.2	X	43.64867	65.68879	356.49999	11.54717	0.1286841	0.18972776	2.9994995	21	—	—
492914 2014 RX_{8}	17.5	X	283.72815	199.00866	126.64872	6.78749	0.1912575	0.25395710	2.4696144	21	4 22.4	21.0
492915 2014 RW_{9}	16.9	X	238.12020	71.15508	225.62754	5.46508	0.0432769	0.21551688	2.7551708	21	2 8.2	20.9
492916 2014 RY_{9}	16.8	X	112.03599	174.14753	211.87786	5.99457	0.0761631	0.19877383	2.9077914	21	1 11.3	20.9
492917 2014 RH_{10}	16.7	X	244.28562	19.51006	231.00527	4.97973	0.0234675	0.19830957	2.9123279	21	—	—
492918 2014 RS_{16}	16.0	X	105.32143	22.65391	349.46966	9.60432	0.0966679	0.18865382	3.0108722	21	—	—
492919 2014 RV_{16}	16.1	X	35.05057	319.51950	105.04565	6.34888	0.2050776	0.17398837	3.1777708	21	—	—
492920 2014 RT_{18}	16.2	X	234.94082	248.05449	94.08669	30.81090	0.2989680	0.23062040	2.6335257	21	4 5.6	21.6
492921 2014 RH_{21}	17.1	X	156.75192	144.29186	196.75085	2.10750	0.2251250	0.20394553	2.8584236	21	1 22.4	21.8
492922 2014 RC_{22}	16.4	X	132.87619	307.20301	42.72368	6.11204	0.0831095	0.19674954	2.9277022	21	—	—
492923 2014 RC_{32}	16.8	X	231.44867	167.25229	162.74876	13.77257	0.1437987	0.23570048	2.5955480	21	3 9.0	20.7
492924 2014 RS_{33}	17.3	X	178.60653	278.67829	73.68998	5.18071	0.1081626	0.21881455	2.7274194	21	2 17.1	21.5
492925 2014 RM_{34}	17.4	X	333.77290	234.14180	51.99841	7.00035	0.1201200	0.25885914	2.4383369	21	5 18.9	19.8
492926 2014 RT_{36}	17.0	X	215.16523	269.72795	35.76722	4.14512	0.0821376	0.21388067	2.7692044	21	1 27.7	21.1
492927 2014 RY_{40}	17.6	X	336.79017	249.42137	64.07056	6.15771	0.2098417	0.27184398	2.3600592	21	6 26.0	19.2
492928 2014 RQ_{41}	16.5	X	137.49271	19.24915	4.48812	6.15075	0.0726009	0.20983317	2.8047014	21	2 8.8	20.5
492929 2014 RL_{45}	17.3	X	187.58232	110.11910	287.95944	1.21414	0.0924383	0.22884101	2.6471597	21	4 19.5	21.2
492930 2014 RV_{45}	16.9	X	215.27659	351.69663	10.34089	12.80189	0.1716297	0.22869120	2.6483156	21	4 1.5	21.2
492931 2014 RO_{46}	17.6	X	187.69446	329.53912	43.75341	2.75210	0.0703870	0.22255012	2.6968130	21	3 20.9	21.5
492932 2014 RQ_{46}	17.3	X	255.06598	169.86399	169.97140	5.61741	0.1451689	0.23969547	2.5666274	21	4 14.0	21.2
492933 2014 RO_{49}	17.5	X	191.04746	318.20524	53.17942	2.44070	0.0923894	0.22263147	2.6961560	21	3 22.8	21.5
492934 2014 RY_{49}	16.8	X	154.84589	40.34327	2.14605	5.72823	0.1454818	0.21755876	2.7379047	21	3 26.9	21.1
492935 2014 RH_{50}	16.3	X	52.99905	28.54896	12.97996	18.25765	0.0954420	0.17700541	3.1415576	21	—	—
492936 2014 RU_{55}	16.8	X	17.82707	93.20174	350.55053	8.72267	0.0682560	0.18069262	3.0986731	21	—	—
492937 2014 RD_{60}	18.3	X	9.03926	100.33446	199.29760	0.98839	0.1893658	0.27550636	2.3390973	21	8 27.6	19.9
492938 2014 RQ_{61}	17.4	X	326.09630	271.41922	23.52255	9.98943	0.2798696	0.26222814	2.4174074	21	4 19.7	19.7
492939 2014 SK	16.1	X	245.32505	251.37570	80.70077	30.43764	0.3072516	0.23090839	2.6313356	21	4 2.2	21.4
492940 2014 SD_{5}	16.7	X	198.12512	249.02622	119.40809	10.83437	0.1321107	0.22074773	2.7114726	21	3 30.7	21.1
492941 2014 SD_{10}	16.7	X	174.00235	196.03749	180.70685	13.35918	0.0549875	0.22472965	2.6793480	21	3 6.6	20.7
492942 2014 SE_{14}	17.7	X	266.88055	254.99111	66.22748	1.96549	0.1034888	0.24233779	2.5479366	21	4 6.9	21.1
492943 2014 SY_{22}	16.9	X	112.26329	225.02885	171.03528	2.05717	0.0671484	0.20451398	2.8531244	21	1 22.3	20.8
492944 2014 SL_{24}	17.1	X	178.44018	330.65791	6.61743	8.51847	0.0567677	0.21009794	2.8023445	21	1 28.4	21.3
492945 2014 SV_{26}	17.3	X	113.27750	298.51102	90.87403	3.28804	0.0768028	0.20244415	2.8725388	21	1 17.8	21.1
492946 2014 SF_{27}	17.5	X	196.69195	229.66647	104.22311	2.05504	0.0667664	0.21635122	2.7480828	21	2 10.3	21.5
492947 2014 SY_{32}	16.7	X	45.63482	229.93906	181.45273	10.58064	0.0741737	0.18558980	3.0439206	21	—	—
492948 2014 SK_{43}	16.8	X	82.24669	298.71391	119.54488	7.18246	0.0478920	0.20322287	2.8651960	21	1 8.9	20.5
492949 2014 SL_{46}	17.2	X	293.62446	219.69541	127.06029	6.84427	0.1114067	0.26236947	2.4165393	21	6 13.8	20.2
492950 2014 SS_{56}	16.3	X	342.06442	307.86442	151.43406	12.12824	0.0638431	0.17735788	3.1373940	21	—	—
492951 2014 SW_{56}	16.9	X	142.70660	230.01736	124.41423	6.83674	0.0777501	0.20317624	2.8656343	21	1 9.8	20.9
492952 2014 SL_{62}	17.2	X	245.24428	213.94707	62.01660	5.33941	0.0386094	0.21470311	2.7621282	21	1 25.8	21.2
492953 2014 SJ_{74}	17.2	X	33.31926	198.29609	44.61801	7.44335	0.0717739	0.26654535	2.3912335	21	7 2.6	19.9
492954 2014 SB_{85}	17.8	X	69.68932	272.75000	212.57740	2.94266	0.0505162	0.22172925	2.7034648	21	3 14.2	21.3
492955 2014 SM_{89}	17.2	X	355.78884	234.07180	321.21918	3.65137	0.0356159	0.22196014	2.7015897	21	2 28.9	20.6
492956 2014 ST_{92}	17.2	X	255.91427	28.42059	237.99701	4.22691	0.0770883	0.21301142	2.7767330	21	1 21.0	21.3
492957 2014 SG_{94}	17.5	X	328.65194	344.22859	250.10602	1.78505	0.0983837	0.22948722	2.6421880	21	3 4.5	20.9
492958 2014 SP_{95}	17.3	X	232.14556	48.33008	276.06577	1.60280	0.1100280	0.22622527	2.6675259	21	3 4.2	21.4
492959 2014 SP_{96}	17.2	X	197.37225	18.98787	335.98373	4.10619	0.0392547	0.22138097	2.7062995	21	3 6.7	21.1
492960 2014 SJ_{98}	16.9	X	267.05443	79.80213	198.56471	2.46171	0.0104076	0.21941327	2.7224555	21	2 23.7	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
492961 2014 SW_{99}	16.8	X	22.54906	79.82310	353.39813	3.49214	0.1084122	0.17806990	3.1290251	21	—	—
492962 2014 SC_{112}	17.3	X	212.21119	316.48487	12.83598	2.84432	0.0947647	0.21858053	2.7293657	21	2 21.3	21.5
492963 2014 SK_{112}	17.1	X	65.28060	96.47798	8.98137	3.89850	0.0608536	0.20861167	2.8156390	21	2 15.9	20.6
492964 2014 SV_{116}	17.1	X	162.10596	159.34925	173.37824	2.03998	0.0547684	0.19749038	2.9203758	21	1 4.0	21.4
492965 2014 SA_{118}	16.5	X	307.04113	325.33065	179.06882	11.44089	0.1000975	0.17582057	3.1556556	21	—	—
492966 2014 SN_{129}	16.6	X	299.93140	158.18573	2.10632	6.79799	0.0456828	0.18317967	3.0705619	21	—	—
492967 2014 SN_{134}	16.6	X	74.41320	329.16933	51.21044	8.82867	0.1628855	0.17646149	3.1480099	21	—	—
492968 2014 SL_{135}	15.7	X	321.64771	29.84097	132.80952	10.53938	0.0494780	0.17446118	3.1720268	21	—	—
492969 2014 SX_{137}	16.0	X	34.55733	30.29817	13.59216	11.67981	0.1575221	0.17390366	3.1788027	21	—	—
492970 2014 SB_{140}	17.5	X	310.44000	66.31447	189.42452	3.97442	0.0569902	0.22687501	2.6624304	21	3 14.5	21.0
492971 2014 SL_{144}	16.7	X	227.91336	142.12308	192.89890	34.59051	0.2007963	0.21635750	2.7480297	21	3 9.2	21.6
492972 2014 SV_{147}	16.4	X	136.84060	292.22119	30.74102	22.47570	0.1842491	0.18469317	3.0537642	21	—	—
492973 2014 SW_{147}	16.4	X	230.16665	299.71616	39.72536	15.07565	0.1410643	0.22511843	2.6762624	21	3 26.4	20.8
492974 2014 SA_{148}	16.0	X	270.82334	197.27494	63.35431	10.15727	0.0829754	0.20614532	2.8380523	21	2 4.1	20.3
492975 2014 SP_{148}	15.8	X	28.17495	346.78680	117.17579	11.20379	0.0707515	0.17742115	3.1366480	21	—	—
492976 2014 SM_{152}	17.8	X	10.73247	325.82677	320.42996	0.97961	0.1881339	0.26960022	2.3731356	21	8 8.2	19.4
492977 2014 ST_{153}	16.1	X	15.58697	132.01157	352.86541	9.72747	0.0892251	0.19182137	2.9776346	21	1 3.2	20.0
492978 2014 SL_{154}	18.2	X	269.27151	102.45979	350.73263	5.36694	0.1959727	0.27782690	2.3260543	21	9 25.7	20.7
492979 2014 SV_{154}	16.9	X	220.75232	347.75518	333.01122	3.69448	0.0581414	0.21491734	2.7602923	21	2 20.0	20.9
492980 2014 SY_{155}	16.8	X	164.23090	8.00841	359.19801	4.04853	0.0831147	0.20944349	2.8081791	21	2 18.6	20.9
492981 2014 SK_{157}	16.2	X	45.97627	240.89205	202.66136	18.12036	0.2566806	0.18090099	3.0962933	21	1 4.4	19.6
492982 2014 SM_{158}	16.0	X	42.62282	26.24956	26.50867	9.60585	0.0742703	0.17415528	3.1757401	21	—	—
492983 2014 SD_{159}	17.4	X	300.26446	122.61286	163.35788	2.81879	0.1369817	0.23558963	2.5963621	21	3 28.6	20.6
492984 2014 SZ_{160}	17.4	X	342.52636	315.23166	342.71530	3.27944	0.2349316	0.26371058	2.4083393	21	6 9.6	19.1
492985 2014 SB_{161}	17.4	X	260.16586	343.05532	340.68135	3.75239	0.0445364	0.23138449	2.6277249	21	4 8.2	20.9
492986 2014 SG_{163}	16.3	X	110.17583	354.40522	52.87254	6.64645	0.0751307	0.20295965	2.8676727	21	2 6.9	20.3
492987 2014 SX_{164}	16.1	X	21.90786	26.52194	34.08740	9.49475	0.0560400	0.16984712	3.2292172	21	—	—
492988 2014 SP_{165}	16.1	X	216.36786	79.89615	178.88842	9.46520	0.0200566	0.18660925	3.0328245	21	—	—
492989 2014 SD_{166}	16.3	X	268.15471	312.34096	318.69682	12.32386	0.2372719	0.22401501	2.6850434	21	1 26.6	20.7
492990 2014 SS_{169}	17.4	X	252.43885	49.91800	248.41137	13.17846	0.2183661	0.23236607	2.6203194	21	2 8.2	22.0
492991 2014 SC_{172}	17.5	X	232.16411	243.43402	55.42721	1.55714	0.0301729	0.21573076	2.7533494	21	2 7.4	21.3
492992 2014 SQ_{173}	17.4	X	254.14651	176.61139	112.37464	3.01410	0.0599059	0.22207648	2.7006461	21	2 17.5	21.1
492993 2014 ST_{179}	17.5	X	204.35121	234.38668	129.23945	3.54699	0.0563648	0.22853849	2.6494953	21	3 26.9	21.4
492994 2014 SD_{186}	17.0	X	249.69405	238.23098	87.58135	5.54639	0.1883474	0.23629779	2.5911722	21	3 20.6	21.2
492995 2014 SW_{186}	17.2	X	170.88760	250.64535	106.42121	5.23032	0.0867180	0.21244336	2.7816807	21	2 13.5	21.4
492996 2014 SZ_{189}	17.1	X	25.64207	288.07146	162.15547	6.39084	0.1103092	0.18585382	3.0410371	21	—	—
492997 2014 SZ_{190}	16.9	X	352.87566	82.25469	74.15851	2.98796	0.0103745	0.20361541	2.8615123	21	1 14.0	20.9
492998 2014 SE_{191}	16.8	X	327.45879	351.64398	149.99288	5.23885	0.0534294	0.18570948	3.0426127	21	—	—
492999 2014 SN_{192}	17.5	X	316.49009	292.52489	28.90713	7.20549	0.1646350	0.26064105	2.4272109	21	6 2.4	20.2
493000 2014 SK_{194}	16.7	X	167.14340	266.66854	83.97700	5.42523	0.1178422	0.20836821	2.8178319	21	2 5.1	21.0
493001 2014 SZ_{202}	17.4	X	199.62519	247.95690	81.14723	3.15239	0.0846884	0.21371292	2.7706534	21	2 8.9	21.5
493002 2014 SN_{206}	17.9	X	280.04225	308.26016	118.77257	3.37283	0.1590412	0.26754741	2.3852591	21	9 11.9	20.6
493003 2014 SL_{207}	17.0	X	240.64255	287.77764	96.62238	4.76630	0.2051898	0.23970643	2.5665492	21	5 20.8	21.1
493004 2014 ST_{207}	16.9	X	284.84161	83.92268	201.93999	13.00827	0.1833249	0.22033065	2.7148934	21	3 2.1	21.1
493005 2014 SC_{208}	16.5	X	84.90294	232.76048	197.39982	13.95394	0.1447062	0.18763450	3.0217667	21	2 8.8	20.7
493006 2014 SD_{210}	16.7	X	270.36960	135.29580	161.38892	8.96379	0.0836810	0.21442212	2.7645407	21	3 16.3	20.7
493007 2014 SP_{210}	17.9	X	251.74736	310.62471	169.63381	5.96874	0.0611950	0.27616978	2.3353498	21	11 2.2	20.7
493008 2014 SH_{211}	17.3	X	276.92673	276.94996	64.23309	14.06735	0.2025471	0.24075397	2.5590989	21	5 4.4	21.1
493009 2014 SG_{212}	16.5	X	110.18349	258.33847	120.54354	11.14375	0.0793961	0.18069786	3.0986133	21	1 5.9	20.9
493010 2014 SW_{212}	16.6	X	208.05292	289.68348	85.81828	15.54714	0.0788031	0.21935932	2.7229019	21	4 21.8	20.9
493011 2014 SB_{213}	16.6	X	188.67359	226.84813	103.62307	11.75519	0.0674118	0.19278045	2.9677506	21	2 2.3	21.1
493012 2014 SG_{214}	16.4	X	88.30908	201.29569	207.27261	15.04903	0.0609379	0.18093398	3.0959169	21	1 8.9	20.9
493013 2014 SH_{214}	15.9	X	62.26595	5.40018	72.35317	12.73857	0.0715028	0.18104331	3.0946704	21	1 14.6	20.1
493014 2014 SU_{214}	16.9	X	255.49875	240.17361	90.99321	6.88701	0.0829873	0.22156153	2.7048290	21	4 13.6	20.9
493015 2014 SW_{215}	15.6	X	97.21229	317.28121	90.53823	10.54623	0.0787918	0.18322243	3.0700842	21	1 25.3	19.9
493016 2014 SF_{216}	16.4	X	163.61709	216.23966	122.05923	8.63554	0.1688637	0.18912927	3.0058241	21	1 23.6	21.2
493017 2014 SJ_{217}	16.2	X	103.05330	232.62003	141.06563	9.82391	0.2490222	0.17900207	3.1181524	21	1 14.6	20.6
493018 2014 ST_{217}	15.9	X	318.34038	56.44032	122.21292	11.94423	0.0390018	0.17816070	3.1279618	21	—	—
493019 2014 SO_{218}	16.6	X	134.85604	223.96636	161.58763	9.73298	0.0835333	0.19267976	2.9687844	21	2 9.1	20.9
493020 2014 SW_{218}	16.5	X	191.96210	279.53825	102.04680	9.60710	0.1238524	0.21516301	2.7581908	21	4 10.5	21.0
493021 2014 SE_{219}	16.0	X	30.56700	24.12996	84.66851	11.58575	0.0561203	0.17775758	3.1326890	21	1 8.2	20.1
493022 2014 SO_{219}	15.7	X	111.27832	284.56525	129.76459	10.55280	0.0698377	0.19129451	2.9830993	21	2 16.8	19.8
493023 2014 SR_{220}	16.3	X	176.23901	202.89091	117.30928	22.99462	0.0777033	0.18728156	3.0255618	21	1 8.8	20.8
493024 2014 SU_{222}	17.3	X	253.23798	200.17082	131.73958	6.54758	0.2052353	0.23889940	2.5723260	21	3 29.5	21.4
493025 2014 SY_{222}	16.7	X	172.42861	334.34962	26.35718	10.42855	0.1371228	0.20966973	2.8061587	21	2 26.4	21.2
493026 2014 SL_{223}	16.3	X	96.71555	32.47965	23.97157	15.58549	0.1339118	0.20396353	2.8582554	21	2 14.2	20.3
493027 2014 SM_{224}	17.2	X	92.24297	89.01526	14.81670	22.19287	0.0342935	0.22535812	2.6743644	21	3 20.9	20.8
493028 2014 SX_{226}	17.4	X	199.83796	275.16279	97.40226	4.42707	0.1329296	0.22502089	2.6770357	21	4 3.5	21.7
493029 2014 SC_{227}	16.3	X	157.08094	287.72227	68.78518	11.42948	0.1053540	0.20099807	2.8862999	21	2 3.7	20.8
493030 2014 SG_{227}	16.0	X	172.02917	207.00687	90.52025	10.50216	0.1752872	0.18788311	3.0191004	21	—	—
493031 2014 SJ_{229}	17.1	X	348.72455	79.48097	197.22682	9.84352	0.2326860	0.25812166	2.4429791	21	5 22.7	19.0
493032 2014 SD_{230}	16.9	X	52.53353	354.63165	118.03569	3.17405	0.0187893	0.20310386	2.8663151	21	2 4.7	20.8
493033 2014 SK_{233}	17.5	X	4.05844	207.62050	82.81475	2.50129	0.1761735	0.26560812	2.3968553	21	7 29.2	19.2
493034 2014 SL_{233}	17.0	X	147.43390	347.01392	49.34200	7.16815	0.0269016	0.21211931	2.7845130	21	3 3.9	20.9
493035 2014 SA_{234}	16.8	X	216.31734	325.73177	32.59713	8.57622	0.1772437	0.22893405	2.6464425	21	3 31.1	21.1
493036 2014 SG_{234}	16.5	X	156.29382	269.64972	46.68378	10.36883	0.0713903	0.18619634	3.0373065	21	—	—
493037 2014 SA_{253}	16.3	X	164.58420	324.30558	337.97403	10.46394	0.0944253	0.18981360	2.9985952	21	—	—
493038 2014 SM_{253}	16.1	X	186.74579	96.98990	213.48471	11.35821	0.0186256	0.19861155	2.9093751	21	—	—
493039 2014 SR_{253}	17.0	X	173.58098	139.61385	229.88401	5.18832	0.0751296	0.21646429	2.7471257	21	2 26.5	21.1
493040 2014 SH_{254}	17.2	X	294.28710	343.29283	299.79270	4.23331	0.1847410	0.23885747	2.5726270	21	3 7.8	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493041 2014 SU_{256}	16.3	X	115.23385	161.81669	193.89710	16.47006	0.1223068	0.18723353	3.0260793	21	—	—
493042 2014 SA_{257}	16.2	X	126.86524	312.76869	29.45962	13.27532	0.1184600	0.18178145	3.0862872	21	—	—
493043 2014 SG_{257}	17.9	X	28.15284	130.94825	165.98295	1.08769	0.2374444	0.28181831	2.3040395	21	10 13.1	19.9
493044 2014 ST_{257}	16.9	X	173.90797	255.49765	90.25007	3.32656	0.1134284	0.20605699	2.8388633	21	2 5.4	21.2
493045 2014 SA_{263}	17.5	X	313.19001	329.84402	355.30005	12.82850	0.3579322	0.26343403	2.4100246	21	4 24.2	20.7
493046 2014 SJ_{263}	17.1	X	217.23518	255.30719	101.42520	12.22486	0.3160264	0.23202032	2.6229219	21	3 30.8	22.2
493047 2014 SA_{264}	17.2	X	226.57810	46.87057	296.97998	3.12686	0.1041897	0.22802026	2.6535081	21	3 21.8	21.3
493048 2014 SO_{265}	17.8	X	21.84793	145.18879	138.30500	6.58731	0.2138925	0.27295994	2.3536223	21	9 4.7	19.6
493049 2014 SZ_{265}	16.3	X	72.28608	225.74689	232.46215	14.22246	0.1119515	0.20605121	2.8389164	21	2 15.3	20.1
493050 2014 SX_{266}	15.7	X	133.83709	77.46901	269.07468	10.53213	0.1287451	0.19031435	2.9933330	21	—	—
493051 2014 SU_{278}	16.4	X	120.61314	156.39018	274.04708	5.20333	0.0438481	0.21636373	2.7479769	21	3 8.9	20.2
493052 2014 SP_{279}	16.2	X	113.98569	305.71847	38.97108	11.02403	0.1324167	0.17973746	3.1096414	21	—	—
493053 2014 SW_{279}	16.2	X	33.15311	349.32157	84.26077	2.54014	0.1643768	0.17521468	3.1629262	21	—	—
493054 2014 SM_{280}	16.9	X	183.88381	217.91004	117.86229	3.86082	0.0599296	0.20294998	2.8677637	21	1 31.4	21.1
493055 2014 SJ_{281}	16.1	X	66.20259	353.33322	42.90723	11.18415	0.0681226	0.17580312	3.1558644	21	—	—
493056 2014 SN_{281}	16.2	X	41.81326	25.60749	41.25821	15.07343	0.0743113	0.17658711	3.1465168	21	—	—
493057 2014 SO_{281}	17.6	X	229.36039	295.03248	72.50014	3.67768	0.1698887	0.23395584	2.6084356	21	4 22.0	21.8
493058 2014 SR_{281}	16.6	X	107.12734	285.71244	79.72805	4.58586	0.1468257	0.18279099	3.0749132	21	—	—
493059 2014 SV_{281}	16.6	X	107.06896	317.48029	46.65240	10.46884	0.1404829	0.18205912	3.0831484	21	—	—
493060 2014 SY_{281}	16.2	X	2.52092	61.18625	54.46685	10.30810	0.0378850	0.17982322	3.1086526	21	—	—
493061 2014 SF_{282}	17.2	X	179.58689	274.04833	101.07652	4.25978	0.0836363	0.21517271	2.7581079	21	3 17.0	21.3
493062 2014 SK_{282}	17.1	X	250.76291	206.33507	130.33372	4.26314	0.2346469	0.23563522	2.5960272	21	3 30.5	21.3
493063 2014 SP_{283}	16.5	X	73.46222	172.43998	204.04669	17.48165	0.2093719	0.17617478	3.1514244	21	—	—
493064 2014 SD_{287}	16.6	X	96.26914	321.92959	42.78482	5.69763	0.1302526	0.18001079	3.1064929	21	—	—
493065 2014 SK_{287}	16.0	X	110.21978	338.11889	23.28755	11.62672	0.1561953	0.18379891	3.0636613	21	—	—
493066 2014 SP_{292}	15.8	X	193.04661	264.09465	20.55451	9.60630	0.0352283	0.18233185	3.0800731	21	—	—
493067 2014 SC_{293}	16.1	X	224.79553	83.49715	218.50306	13.98515	0.1474210	0.20337083	2.8638061	21	1 27.8	21.0
493068 2014 SE_{293}	16.2	X	47.48139	19.15826	39.16164	29.80708	0.2769742	0.17442910	3.1724157	21	—	—
493069 2014 SH_{297}	16.6	X	24.84591	300.50979	195.38967	14.14736	0.0699122	0.20899113	2.8122298	21	1 22.7	20.4
493070 2014 SV_{297}	16.3	X	299.64305	39.24258	232.14273	10.90958	0.0352396	0.22206231	2.7007610	21	3 21.1	20.1
493071 2014 SX_{297}	16.3	X	14.79845	209.04140	243.05729	8.44240	0.0654474	0.17528889	3.1620334	21	—	—
493072 2014 SG_{299}	16.2	X	338.60412	278.52004	239.05683	8.71303	0.0656558	0.18569860	3.0427315	21	—	—
493073 2014 SO_{300}	16.5	X	69.11081	198.85480	224.64797	8.48204	0.0757305	0.18583233	3.0412716	21	1 3.6	20.6
493074 2014 SU_{300}	16.1	X	59.53306	36.38311	19.51917	11.10319	0.0858716	0.17874152	3.1211820	21	—	—
493075 2014 SD_{301}	16.4	X	85.25779	97.13924	282.53981	1.74130	0.1462621	0.17754669	3.1351692	21	—	—
493076 2014 SF_{301}	16.7	X	212.39023	103.92498	252.40121	4.90509	0.0307684	0.21923917	2.7238966	21	3 24.5	20.7
493077 2014 SQ_{307}	16.5	X	131.17661	120.94107	211.61542	10.61020	0.0968650	0.17718144	3.1394764	21	—	—
493078 2014 SB_{308}	15.7	X	90.96788	114.43662	215.55156	9.39281	0.0549994	0.15818129	3.3860963	21	12 25.1	20.7
493079 2014 SU_{309}	16.7	X	137.70297	166.07089	215.13328	15.98493	0.0480078	0.19555610	2.9396016	21	1 29.3	21.2
493080 2014 SP_{310}	15.9	X	144.90177	282.06105	46.42083	12.62909	0.0662807	0.17717292	3.1395771	21	—	—
493081 2014 SX_{314}	16.5	X	61.59357	4.96580	56.95165	7.12900	0.0844194	0.18255525	3.0775598	21	—	—
493082 2014 SZ_{314}	16.3	X	6.16651	221.12725	186.98493	10.03227	0.0915475	0.15542894	3.4259535	21	12 18.4	20.9
493083 2014 SJ_{315}	16.9	X	218.13390	220.16278	126.44761	3.97972	0.0906427	0.21971971	2.7199236	21	3 21.1	21.0
493084 2014 SC_{316}	17.0	X	211.25062	218.60898	116.76573	4.58674	0.1983335	0.21756300	2.7378692	21	2 27.6	21.6
493085 2014 SM_{316}	17.2	X	189.79998	264.13470	104.32320	5.65060	0.1352227	0.21681267	2.7441822	21	3 21.3	21.6
493086 2014 SQ_{317}	16.2	X	103.92045	350.66432	20.46006	16.21999	0.1100351	0.18600005	3.0394431	21	—	—
493087 2014 SC_{318}	16.3	X	38.04504	13.43174	34.97373	4.84881	0.1226999	0.17087751	3.2162227	21	—	—
493088 2014 SW_{318}	17.2	X	214.66052	198.60133	132.41889	1.53671	0.0730034	0.21465382	2.7625510	21	2 25.9	21.1
493089 2014 SS_{319}	16.7	X	200.29013	65.38427	206.35993	4.70992	0.0517714	0.18402123	3.0611934	21	—	—
493090 2014 SC_{320}	17.2	X	201.21398	0.96367	353.03937	1.64412	0.0933140	0.21771385	2.7366044	21	3 11.4	21.3
493091 2014 SF_{320}	17.1	X	317.36470	34.21320	206.69962	4.28481	0.0515853	0.21787463	2.7352579	21	3 5.8	20.8
493092 2014 SL_{320}	17.2	X	237.40586	325.51208	16.82517	4.12439	0.1092068	0.22880274	2.6474549	21	4 1.5	21.2
493093 2014 SY_{320}	16.0	X	38.96789	43.09520	21.54856	22.41934	0.0391513	0.17875853	3.1209839	21	—	—
493094 2014 ST_{324}	17.3	X	222.03232	114.02836	189.03503	5.34511	0.0558485	0.21388205	2.7691925	21	1 29.6	21.4
493095 2014 SL_{326}	17.2	X	316.52935	109.51491	175.61804	8.38823	0.1271393	0.24025487	2.5626419	21	4 21.8	20.3
493096 2014 SP_{326}	16.0	X	93.07447	193.33099	185.63396	10.59678	0.0903301	0.18165980	3.0876649	21	—	—
493097 2014 SB_{328}	16.3	X	50.42488	23.51494	56.25636	10.05713	0.1233624	0.18315777	3.0708068	21	1 1.9	20.1
493098 2014 SO_{330}	16.0	X	93.11381	147.94879	225.12571	10.12337	0.0749768	0.17850625	3.1239238	21	—	—
493099 2014 SR_{333}	16.3	X	47.57144	55.97200	0.08517	7.89666	0.0632247	0.17767144	3.1337016	21	—	—
493100 2014 SL_{334}	16.7	X	246.31266	323.40683	329.45486	3.00726	0.0747760	0.21284778	2.7781560	21	2 13.2	20.9
493101 2014 ST_{337}	16.0	X	155.56125	243.02678	82.02563	4.92632	0.1026856	0.18678443	3.0309279	21	—	—
493102 2014 SX_{338}	17.0	X	292.24851	141.20280	155.28069	5.65927	0.1976705	0.23673729	2.5879642	21	3 24.2	20.7
493103 2014 SM_{341}	17.0	X	53.06669	99.48897	337.72837	3.68627	0.1207956	0.18743782	3.0238801	21	1 1.7	20.6
493104 2014 SF_{345}	16.5	X	203.22985	192.90049	204.67222	21.75773	0.0601322	0.23431009	2.6058059	21	5 7.6	20.3
493105 2014 SW_{347}	16.2	X	339.29163	313.74616	191.78030	17.13646	0.1103249	0.18103899	3.0947196	21	—	—
493106 2014 SF_{348}	18.5	X	335.87160	10.25187	52.91351	8.31028	0.1289211	0.29353375	2.2423188	21	—	—
493107 2014 SY_{348}	17.1	X	275.91481	178.80684	134.89447	17.92240	0.1563407	0.24067938	2.5596276	21	4 6.9	21.1
493108 2014 TB_{4}	17.0	X	45.89874	341.33945	86.40409	1.27366	0.2319728	0.17584669	3.1553431	21	—	—
493109 2014 TS_{6}	16.9	X	160.34267	217.13788	176.19178	3.80013	0.1025201	0.21354951	2.7720666	21	3 18.5	20.9
493110 2014 TY_{6}	16.4	X	97.59743	343.36723	36.56275	10.48870	0.0873938	0.18292834	3.0733739	21	—	—
493111 2014 TN_{7}	17.6	X	359.48454	135.94169	184.08262	4.85214	0.2415376	0.27449788	2.3448229	21	9 13.8	18.7
493112 2014 TZ_{7}	15.9	X	345.07834	112.98000	47.65610	10.58126	0.0478000	0.19047693	2.9916294	21	1 8.9	20.1
493113 2014 TG_{8}	17.3	X	202.47030	290.59910	100.43997	2.60680	0.1000674	0.22869613	2.6482776	21	4 27.9	21.2
493114 2014 TH_{13}	16.9	X	110.08465	163.10926	274.28283	4.31180	0.0206588	0.21183743	2.7869825	21	3 2.4	20.8
493115 2014 TT_{13}	16.0	X	149.47972	351.30473	1.02736	9.35845	0.0381694	0.19454320	2.9497962	21	1 14.3	20.4
493116 2014 TK_{16}	15.7	X	223.75050	180.62910	10.26990	9.86757	0.0042057	0.15809410	3.3873411	21	12 10.3	20.7
493117 2014 TH_{21}	16.3	X	17.66371	90.42139	32.95451	12.08330	0.0892300	0.18757918	3.0223607	21	1 5.2	20.3
493118 2014 TM_{24}	17.1	X	253.30721	124.38069	206.90746	14.74040	0.1574738	0.23246964	2.6195412	21	3 28.9	21.1
493119 2014 TF_{26}	16.1	X	345.82536	104.46624	27.24699	9.02447	0.0975566	0.17718138	3.1394771	21	—	—
493120 2014 TV_{26}	16.3	X	70.22480	11.92337	32.88534	11.99378	0.0843338	0.18138691	3.0907610	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493121 2014 TJ_{27}	16.5	X	255.33229	247.68269	29.85174	7.52578	0.1489712	0.21144224	2.7904541	21	2 1.5	21.0
493122 2014 TX_{28}	16.7	X	226.63733	155.01295	156.15733	5.79610	0.0797427	0.20974239	2.8055106	21	2 14.3	21.0
493123 2014 TE_{29}	16.5	X	178.86019	251.09836	120.16732	5.00587	0.0821393	0.21217401	2.7840344	21	3 11.5	20.6
493124 2014 TG_{32}	15.6	X	19.72239	222.71088	227.15876	16.72138	0.1971223	0.17209576	3.2010265	21	—	—
493125 2014 TN_{36}	16.9	X	186.51429	335.59397	31.09924	6.75710	0.0644491	0.21459024	2.7630967	21	3 13.7	21.0
493126 2014 TA_{38}	16.1	X	44.14591	51.72368	11.00925	11.37259	0.0769621	0.18069925	3.0985974	21	—	—
493127 2014 TV_{38}	15.8	X	345.63032	82.76430	25.90542	9.79499	0.0817396	0.17439042	3.1728847	21	—	—
493128 2014 TF_{39}	16.1	X	128.17761	291.20518	37.88037	8.69723	0.0971443	0.17745536	3.1362449	21	—	—
493129 2014 TL_{39}	16.9	X	172.74405	325.71210	45.44321	4.09588	0.1039037	0.21154814	2.7895228	21	3 6.4	21.2
493130 2014 TG_{40}	17.2	X	256.10421	184.25426	152.65900	2.35051	0.1668315	0.23432399	2.6057028	21	4 9.3	21.1
493131 2014 TN_{40}	16.9	X	189.30335	196.64831	166.31815	4.06862	0.1104853	0.21388164	2.7691961	21	3 11.3	21.1
493132 2014 TR_{42}	16.6	X	255.01622	271.16289	40.15762	11.89189	0.2006752	0.22626811	2.6671891	21	3 10.8	21.1
493133 2014 TO_{43}	16.6	X	164.92966	102.33108	210.68009	10.97642	0.1242340	0.18684261	3.0302986	21	—	—
493134 2014 TB_{44}	17.0	X	75.52055	235.09335	175.38821	1.66208	0.1103570	0.18219614	3.0816024	21	1 2.3	20.9
493135 2014 TH_{44}	16.7	X	96.75923	339.14172	41.71170	11.40552	0.0475676	0.18056201	3.1001673	21	—	—
493136 2014 TA_{45}	15.8	X	43.52083	153.58343	214.41927	7.52119	0.1000259	0.15646641	3.4107926	21	12 20.9	20.6
493137 2014 TJ_{45}	16.9	X	114.38651	357.51281	41.13594	7.89570	0.1257630	0.19251603	2.9704674	21	2 11.3	21.2
493138 2014 TT_{45}	16.2	X	321.72164	286.01294	230.43977	2.43013	0.0769996	0.17631996	3.1496943	21	—	—
493139 2014 TO_{46}	16.7	X	183.72718	325.60608	16.69652	1.92925	0.0741788	0.20352210	2.8623869	21	2 9.2	20.9
493140 2014 TX_{46}	16.4	X	87.53045	343.95332	28.92967	10.55477	0.1313139	0.17624558	3.1505803	21	—	—
493141 2014 TZ_{46}	17.1	X	271.86551	290.18243	29.12630	12.06029	0.2145040	0.23718294	2.5847215	21	3 30.9	21.0
493142 2014 TS_{47}	16.5	X	81.30222	45.97916	357.63820	2.93267	0.1213724	0.18348964	3.0671029	21	1 3.6	20.4
493143 2014 TE_{48}	16.5	X	17.83627	94.73559	23.47476	10.87944	0.0853271	0.18397864	3.0616658	21	—	—
493144 2014 TP_{51}	16.3	X	285.75461	310.30556	249.86221	8.81557	0.0535488	0.18903047	3.0068713	21	—	—
493145 2014 TH_{52}	17.2	X	313.15813	304.78087	37.78465	16.51472	0.3033818	0.26153156	2.4216980	21	5 31.5	20.0
493146 2014 TN_{52}	16.2	X	127.37442	29.32336	352.63623	11.64152	0.0694175	0.19763218	2.9189788	21	1 29.0	20.4
493147 2014 TE_{54}	16.5	X	86.83206	282.22730	130.07293	4.31866	0.1110396	0.18297324	3.0728711	21	1 20.2	20.5
493148 2014 TL_{62}	16.0	X	345.85494	111.90760	13.23749	9.02308	0.0624934	0.17478828	3.1680681	21	—	—
493149 2014 TH_{65}	16.0	X	130.58588	137.89885	215.62125	13.25433	0.0908726	0.18759985	3.0221387	21	—	—
493150 2014 TP_{66}	16.2	X	280.80298	80.33518	221.51776	17.92534	0.0872783	0.22612478	2.6683161	21	3 29.1	20.1
493151 2014 TA_{67}	16.1	X	251.91388	216.64955	40.32399	10.82598	0.0555294	0.19168193	2.9790784	21	1 13.9	20.7
493152 2014 TL_{67}	16.0	X	347.02896	280.40452	216.07470	21.41427	0.1552176	0.18205538	3.0831906	21	—	—
493153 2014 TR_{67}	16.2	X	229.47376	12.33698	219.59258	11.53262	0.0260495	0.17255173	3.1953849	21	—	—
493154 2014 TH_{68}	16.6	X	215.29390	289.49535	39.46329	10.73251	0.1433191	0.21203398	2.7852600	21	2 28.4	21.2
493155 2014 TJ_{68}	16.2	X	286.81558	223.96954	41.76824	12.00150	0.1163907	0.21243815	2.7817262	21	2 26.2	20.4
493156 2014 TX_{70}	16.3	X	118.10404	253.71755	123.52025	3.96129	0.0807855	0.18579301	3.0417006	21	1 12.6	20.6
493157 2014 TG_{71}	17.3	X	168.16772	267.31037	200.49770	10.79138	0.1614467	0.23489820	2.6014546	21	6 29.1	21.7
493158 2014 TS_{72}	16.3	X	111.11259	336.32669	49.47202	16.02624	0.0634659	0.18624942	3.0367294	21	1 13.9	20.8
493159 2014 TY_{72}	16.0	X	141.04421	221.23648	106.73307	2.67105	0.1602804	0.18150335	3.0894389	21	—	—
493160 2014 TZ_{72}	16.4	X	109.63768	271.03921	82.13742	4.31619	0.2021835	0.17877371	3.1208072	21	—	—
493161 2014 TZ_{73}	16.8	X	124.55369	211.86107	182.67868	7.41799	0.1392585	0.19512062	2.9439738	21	2 14.4	21.2
493162 2014 TN_{74}	17.3	X	249.30156	221.33229	110.57666	5.83107	0.1870682	0.22823321	2.6518573	21	3 28.5	21.6
493163 2014 TP_{74}	16.8	X	206.90126	249.69695	94.77712	6.86082	0.0593587	0.20983631	2.8046734	21	3 9.9	21.0
493164 2014 TW_{74}	16.2	X	61.13024	352.44788	75.06823	12.68139	0.1107842	0.17897969	3.1184124	21	1 3.2	20.2
493165 2014 TJ_{82}	17.4	X	217.45114	282.01353	48.03987	8.02769	0.2354501	0.21649587	2.7468586	21	2 28.4	22.3
493166 2014 TU_{82}	16.2	X	129.84185	178.07284	205.77224	14.98041	0.1418806	0.20515614	2.8471677	21	2 3.4	20.7
493167 2014 TY_{83}	16.9	X	254.15438	265.93487	66.93247	4.64858	0.1085467	0.22735125	2.6587111	21	4 9.5	20.7
493168 2014 TL_{84}	16.6	X	239.36122	294.54468	52.21576	12.25465	0.1946473	0.22488701	2.6780980	21	4 8.1	21.0
493169 2014 TN_{84}	15.8	X	118.66111	318.17133	17.37725	27.63723	0.1364765	0.17825125	3.1269024	21	—	—
493170 2014 TH_{85}	15.9	X	209.92536	275.88226	60.63473	17.44759	0.2092352	0.21972452	2.7198839	21	3 7.6	20.9
493171 2014 UF_{1}	16.1	X	253.58161	36.91415	205.55639	9.02520	0.1054071	0.18172108	3.0869707	21	—	—
493172 2014 US_{1}	16.4	X	62.71658	245.92342	196.39448	8.86296	0.0918140	0.18403092	3.0610859	21	1 18.9	20.4
493173 2014 UX_{2}	16.8	X	164.53441	322.24451	67.63234	5.53753	0.0700181	0.21992543	2.7182272	21	3 18.3	20.8
493174 2014 UE_{4}	16.3	X	132.58534	292.49830	74.01397	12.37955	0.0595108	0.18501939	3.0501736	21	1 15.1	20.8
493175 2014 UR_{4}	16.5	X	139.70440	145.98710	224.02709	15.36658	0.1628705	0.19126088	2.9834490	21	1 31.9	21.4
493176 2014 UF_{9}	16.4	X	134.55320	324.58005	71.61498	11.06311	0.1197057	0.20081649	2.8880395	21	3 3.3	20.8
493177 2014 UC_{10}	16.5	X	141.81810	313.03958	56.89839	11.79657	0.0749985	0.19006266	2.9959749	21	2 2.4	21.0
493178 2014 UU_{11}	16.5	X	177.98184	38.88293	253.16743	7.32626	0.0782133	0.17966745	3.1104492	21	—	—
493179 2014 UB_{12}	16.3	X	97.53172	74.87176	282.98837	4.40145	0.1332802	0.17580340	3.1558610	21	—	—
493180 2014 UJ_{12}	16.6	X	99.67992	183.45530	236.96873	11.04029	0.0427660	0.19754988	2.9197895	21	1 30.7	20.8
493181 2014 UO_{13}	16.7	X	247.97946	75.50486	233.25283	13.57592	0.0556342	0.21332181	2.7740388	21	3 2.1	21.0
493182 2014 UQ_{13}	16.5	X	101.18224	2.95844	20.65981	9.49325	0.1512528	0.18337670	3.0683622	21	1 11.8	20.8
493183 2014 UJ_{14}	16.2	X	40.18190	202.94449	235.90543	9.33283	0.0722349	0.17799323	3.1299236	21	—	—
493184 2014 UH_{15}	17.3	X	262.46228	35.26601	301.35052	1.74221	0.1025326	0.23208908	2.6224039	21	4 21.2	21.0
493185 2014 UV_{15}	16.7	X	300.50143	314.31288	1.85368	10.08118	0.1765586	0.24628792	2.5206196	21	4 27.2	20.0
493186 2014 UW_{16}	16.2	X	114.46872	111.08987	219.71891	9.72789	0.1371782	0.17490240	3.1666899	21	—	—
493187 2014 UB_{17}	17.1	X	198.99908	47.03774	267.31159	0.96256	0.0705804	0.20066195	2.8895222	21	1 22.2	21.4
493188 2014 UN_{18}	16.3	X	105.65372	324.91207	55.21355	11.21200	0.0609989	0.18196610	3.0841990	21	—	—
493189 2014 UE_{19}	17.2	X	229.24208	185.47586	148.97915	2.88674	0.1191427	0.21697469	2.7428159	21	3 15.6	21.5
493190 2014 UQ_{19}	16.4	X	72.49450	309.85186	82.12513	5.75434	0.0786058	0.17245489	3.1965810	21	—	—
493191 2014 UZ_{21}	17.0	X	236.74155	166.80606	188.94502	6.63990	0.0979930	0.22371601	2.6874352	21	4 19.8	20.9
493192 2014 UK_{23}	16.3	X	259.75469	155.36557	64.74797	12.50464	0.0271198	0.17785673	3.1315247	21	—	—
493193 2014 UT_{24}	16.4	X	32.72491	15.11382	73.71061	10.31612	0.0822674	0.17325200	3.1867687	21	—	—
493194 2014 UE_{26}	17.8	X	16.27761	69.04045	205.67461	4.61570	0.2408492	0.26526069	2.3989477	21	8 6.7	19.4
493195 2014 UU_{28}	18.4	X	268.34287	28.98007	45.02796	5.90199	0.1806140	0.26326302	2.4110681	21	9 1.9	21.5
493196 2014 UM_{31}	16.2	X	119.83067	171.36620	225.03601	8.46375	0.1206467	0.19144514	2.9815344	21	2 7.8	20.6
493197 2014 UT_{31}	15.9	X	292.62410	153.84700	52.63657	17.17051	0.0291052	0.18221693	3.0813679	21	1 2.9	20.5
493198 2014 UP_{32}	16.3	X	201.65741	203.71172	73.55676	12.33472	0.0971750	0.17860668	3.1227527	21	—	—
493199 2014 UR_{37}	17.0	X	115.57995	14.24935	51.78764	7.41699	0.0261893	0.20881715	2.8137917	21	3 2.3	20.9
493200 2014 UZ_{38}	16.3	X	218.77484	241.66231	39.11652	9.91630	0.0129661	0.19299057	2.9655960	21	1 5.8	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493201 2014 UK_{40}	17.0	X	269.05995	204.40219	119.81221	4.32783	0.1688781	0.22922015	2.6442399	21	4 8.2	20.9
493202 2014 UE_{41}	16.3	X	260.63593	259.99702	0.27322	1.96161	0.0789461	0.19064135	2.9899090	21	1 24.0	20.8
493203 2014 UQ_{41}	15.7	X	64.70685	23.77915	43.34031	18.07731	0.2075157	0.17773767	3.1329231	21	1 24.3	19.7
493204 2014 UP_{42}	16.4	X	80.83856	349.52624	64.16118	10.43575	0.0642366	0.17903951	3.1177178	21	1 9.8	20.7
493205 2014 UO_{45}	17.3	X	237.01095	120.55844	222.46575	12.98822	0.1595946	0.22556038	2.6727654	21	3 26.9	21.8
493206 2014 UU_{46}	16.6	X	210.68461	279.62260	50.88054	9.72527	0.1654227	0.21081314	2.7960028	21	2 25.7	21.3
493207 2014 UU_{47}	16.4	X	127.66843	285.53684	61.09274	5.58704	0.1498374	0.18065417	3.0991128	21	—	—
493208 2014 UV_{47}	16.6	X	210.66606	90.00123	218.26355	12.87805	0.1661389	0.20049883	2.8910892	21	1 23.8	21.7
493209 2014 UY_{47}	17.3	X	250.35409	139.07447	209.69367	7.03484	0.2320788	0.23494194	2.6011318	21	4 11.9	21.6
493210 2014 UA_{48}	16.3	X	68.60030	306.42224	68.38812	2.39803	0.1651514	0.17245683	3.1965570	21	—	—
493211 2014 UF_{48}	16.0	X	61.59813	43.09822	32.29665	10.07669	0.0482436	0.18771142	3.0209411	21	1 7.7	20.2
493212 2014 UJ_{48}	16.8	X	160.01429	300.36116	29.49893	3.58259	0.1423635	0.19193005	2.9765103	21	1 8.5	21.4
493213 2014 UK_{48}	15.9	X	137.81658	126.12767	212.44618	9.55194	0.0100795	0.18110888	3.0939234	21	—	—
493214 2014 UD_{51}	16.3	X	139.79885	300.15761	59.51592	10.77999	0.1241249	0.18657770	3.0331663	21	1 23.8	21.0
493215 2014 UN_{51}	16.4	X	330.38172	33.52090	264.57180	23.36652	0.2679786	0.26572821	2.3961331	21	5 1.3	19.2
493216 2014 UD_{52}	16.7	X	176.60605	104.75758	259.35178	2.79221	0.1125251	0.21117117	2.7928416	21	2 27.1	21.0
493217 2014 UK_{53}	16.8	X	199.12393	241.85982	116.17771	4.30991	0.1047693	0.21527630	2.7572230	21	3 16.4	21.1
493218 2014 UP_{59}	16.0	X	82.64208	186.64382	193.69956	12.79039	0.1566068	0.17810320	3.1286350	21	—	—
493219 2014 UU_{60}	17.2	X	87.61826	253.10911	165.81823	4.65066	0.1248383	0.19204862	2.9752851	21	1 28.7	21.0
493220 2014 UK_{61}	16.5	X	108.95585	310.76829	39.06544	23.15682	0.0776501	0.17770733	3.1332796	21	—	—
493221 2014 US_{61}	16.4	X	6.53082	59.37822	49.43767	12.33714	0.1245091	0.17649227	3.1476439	21	—	—
493222 2014 UT_{61}	16.4	X	1.42856	29.01744	72.03037	6.66135	0.0639321	0.17404045	3.1771368	21	—	—
493223 2014 UL_{62}	15.9	X	149.21435	328.92987	22.37429	12.28632	0.0439817	0.18593386	3.0401643	21	1 15.8	20.5
493224 2014 UL_{63}	15.8	X	318.36924	304.88861	212.46929	9.34945	0.0466511	0.18051249	3.1007342	21	—	—
493225 2014 UV_{63}	17.2	X	209.90959	353.16207	21.81386	1.08726	0.1994834	0.22973521	2.6402862	21	4 12.2	21.6
493226 2014 US_{66}	16.5	X	147.47101	106.53993	235.49572	16.04781	0.1656477	0.18497132	3.0507020	21	1 9.9	21.5
493227 2014 UT_{66}	16.4	X	107.07005	155.37585	239.76500	8.59143	0.1119131	0.18462183	3.0545508	21	1 22.9	20.8
493228 2014 UA_{68}	16.7	X	234.11241	304.42535	44.77187	13.75547	0.2902212	0.23371606	2.6102194	21	4 2.1	21.5
493229 2014 UZ_{69}	17.8	X	258.36525	256.05049	194.92878	1.71219	0.1860727	0.26924170	2.3752418	21	9 7.9	20.8
493230 2014 UQ_{70}	16.8	X	205.03183	142.81022	215.87266	8.35828	0.1073695	0.21973259	2.7198173	21	3 18.5	21.0
493231 2014 UQ_{73}	18.4	X	234.40562	110.60579	21.38545	3.23453	0.1112303	0.27844669	2.3226014	21	10 16.2	21.2
493232 2014 UT_{74}	16.2	X	46.07755	203.40344	212.63511	17.82478	0.0784413	0.17448177	3.1717772	21	—	—
493233 2014 UL_{77}	15.8	X	17.89011	258.16590	217.16851	9.77667	0.0771843	0.18483667	3.0521833	21	—	—
493234 2014 UT_{84}	15.9	X	58.81601	9.17166	54.20876	9.75333	0.0599988	0.17505114	3.1648959	21	—	—
493235 2014 US_{85}	15.9	X	176.56269	73.93838	232.67920	14.90008	0.1661460	0.18393730	3.0621245	21	—	—
493236 2014 UK_{86}	17.6	X	28.41001	247.06402	58.19386	2.14082	0.1924602	0.27187833	2.3598604	21	10 16.5	19.9
493237 2014 UR_{89}	16.4	X	272.26362	224.03678	61.75553	13.38663	0.0723726	0.21173526	2.7878790	21	3 13.3	20.6
493238 2014 UZ_{89}	17.3	X	209.26903	269.78992	91.35630	3.66762	0.1503261	0.22035838	2.7146656	21	3 29.3	21.6
493239 2014 UH_{90}	15.8	X	32.57214	203.75850	200.74009	9.84326	0.0768978	0.16058252	3.3522562	21	—	—
493240 2014 UT_{91}	16.1	X	82.81111	352.25995	66.35553	12.08727	0.0859475	0.18551386	3.0447512	21	1 20.7	20.3
493241 2014 UA_{93}	16.1	X	134.93966	285.95156	56.40718	14.07692	0.0511566	0.17596845	3.1538873	21	—	—
493242 2014 UC_{95}	16.3	X	138.80544	296.07447	56.09167	9.49718	0.1113578	0.18769200	3.0211494	21	1 10.9	20.8
493243 2014 UJ_{96}	16.3	X	94.83444	214.46399	160.93113	2.64125	0.1270329	0.17834306	3.1258292	21	—	—
493244 2014 UF_{97}	16.7	X	177.09506	280.89814	66.75491	6.51781	0.1233771	0.20174152	2.8792046	21	2 13.7	21.3
493245 2014 UC_{98}	16.1	X	46.85546	3.33275	77.74723	9.48942	0.0794104	0.17841024	3.1250444	21	—	—
493246 2014 UE_{98}	16.6	X	157.96384	167.49729	169.64844	6.44961	0.1642963	0.19032664	2.9932041	21	1 15.7	21.5
493247 2014 UH_{98}	16.8	X	303.52801	184.61751	93.60288	8.03718	0.1305981	0.22343803	2.6896637	21	3 29.2	20.5
493248 2014 UD_{99}	16.0	X	319.00303	315.63203	224.06999	7.59822	0.0189588	0.17994392	3.1072625	21	1 3.3	20.5
493249 2014 UD_{101}	16.8	X	295.39607	144.18893	139.19027	4.26832	0.1053010	0.22399385	2.6852124	21	3 26.1	20.5
493250 2014 UR_{102}	17.0	X	282.11265	155.05530	121.02282	4.32950	0.0518678	0.21408846	2.7674123	21	3 9.2	20.8
493251 2014 UY_{106}	16.9	X	211.50368	159.40545	185.63682	4.22712	0.0719351	0.21838475	2.7309967	21	3 10.5	20.9
493252 2014 UC_{107}	16.7	X	52.96974	241.52151	191.86771	9.09148	0.0576961	0.18587290	3.0408290	21	—	—
493253 2014 UD_{107}	16.3	X	12.09403	258.57809	194.90918	8.98538	0.0849783	0.17570407	3.1570503	21	—	—
493254 2014 UE_{109}	18.3	X	308.73004	240.53881	188.27784	0.57989	0.1620960	0.27874353	2.3209522	21	11 9.4	20.1
493255 2014 UR_{111}	17.0	X	181.78877	260.77385	96.99901	4.58027	0.1046812	0.21017846	2.8016287	21	2 27.5	21.3
493256 2014 UK_{112}	17.4	X	344.02229	255.64502	59.02434	10.44336	0.1523568	0.26456137	2.4031733	21	7 24.5	19.7
493257 2014 UY_{112}	16.1	X	5.33810	203.37085	267.87360	8.02063	0.0608093	0.17451311	3.1713975	21	—	—
493258 2014 UZ_{114}	16.0	X	253.28464	263.21035	74.80983	26.60961	0.1136114	0.22425126	2.6831572	21	4 26.3	20.4
493259 2014 UC_{118}	15.9	X	111.45933	290.78773	61.36742	12.78203	0.2553887	0.18338629	3.0682551	21	—	—
493260 2014 UK_{118}	16.5	X	216.18135	57.41557	277.42139	12.63720	0.1344781	0.22012446	2.7165884	21	2 24.1	21.1
493261 2014 UB_{119}	16.7	X	354.28022	200.77253	279.12443	1.58121	0.0679546	0.17413451	3.1759926	21	—	—
493262 2014 UO_{119}	16.1	X	37.38363	43.42731	35.31042	11.81312	0.0682013	0.17593706	3.1542624	21	—	—
493263 2014 UG_{125}	15.9	X	117.44288	31.66661	332.55670	7.18139	0.0794075	0.18500099	3.0503758	21	—	—
493264 2014 UQ_{130}	16.4	X	243.68222	54.48631	265.13081	3.93051	0.0379636	0.21763482	2.7372668	21	3 15.3	20.4
493265 2014 UG_{131}	16.6	X	164.89752	359.12411	22.11393	13.48046	0.0194068	0.20919088	2.8104394	21	3 7.6	20.7
493266 2014 UQ_{132}	16.9	X	214.22006	313.69918	100.70127	6.67611	0.2411515	0.22328969	2.6908548	21	6 2.8	21.6
493267 2014 UE_{133}	16.1	X	129.16922	164.76607	198.73988	10.30349	0.1149989	0.18780460	3.0199417	21	1 11.4	20.6
493268 2014 UH_{134}	16.3	X	120.55995	112.04690	240.90036	9.52828	0.1245410	0.18000080	3.1066078	21	—	—
493269 2014 UQ_{135}	16.7	X	194.04183	98.80152	232.15388	11.06177	0.0326448	0.19784935	2.9168424	21	2 1.2	21.2
493270 2014 UC_{136}	17.2	X	174.05336	343.65479	41.72072	9.78142	0.1581303	0.21778358	2.7360202	21	3 28.8	21.6
493271 2014 UT_{136}	16.5	X	95.04731	9.47958	55.30402	12.61535	0.1247869	0.18903219	3.0068531	21	2 22.6	20.8
493272 2014 UY_{136}	16.0	X	107.07783	335.27607	58.81940	11.20282	0.0692467	0.18198416	3.0839950	21	1 20.8	20.4
493273 2014 UZ_{141}	18.7	X	279.11116	145.74239	303.57962	3.09550	0.1493444	0.27719444	2.3295911	21	10 13.1	21.0
493274 2014 UT_{142}	16.6	X	135.18649	336.06383	356.37012	4.67033	0.1396113	0.17981226	3.1087790	21	—	—
493275 2014 UX_{142}	15.9	X	181.17182	77.40807	238.69546	11.27097	0.0607362	0.18850975	3.0124061	21	1 5.7	20.6
493276 2014 UP_{143}	16.8	X	21.10432	214.98431	234.12209	9.56162	0.0962589	0.17262493	3.1944815	21	—	—
493277 2014 UC_{147}	16.6	X	278.25122	176.58831	66.41732	5.87979	0.0508040	0.20122296	2.8841490	21	1 24.8	20.8
493278 2014 UB_{153}	17.8	X	192.08433	4.33979	89.76079	3.51514	0.2018432	0.23836708	2.5761542	21	7 4.3	22.2
493279 2014 UL_{153}	16.9	X	188.01790	231.18714	124.14867	5.06630	0.1132568	0.21363104	2.7713613	21	3 2.1	21.2
493280 2014 UR_{153}	16.7	X	139.78680	310.62910	55.37751	12.11278	0.0921736	0.19706042	2.9246222	21	1 26.5	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493281 2014 UG_{157}	16.6	X	177.15235	201.29462	166.90685	9.54383	0.1680049	0.21408715	2.7674237	21	3 8.3	20.9
493282 2014 UJ_{157}	16.2	X	79.98587	348.02383	29.70103	10.88373	0.1228950	0.17697726	3.1418907	21	—	—
493283 2014 UO_{158}	16.8	X	119.05401	232.20113	124.49080	5.04948	0.1000779	0.18075223	3.0979919	21	—	—
493284 2014 UH_{161}	17.1	X	287.63807	276.40525	33.50935	4.48991	0.2264033	0.23799235	2.5788577	21	4 1.1	20.8
493285 2014 UC_{162}	16.6	X	119.86297	144.78342	224.82970	15.95575	0.0657914	0.18388965	3.0626535	21	1 1.4	21.2
493286 2014 UA_{163}	16.3	X	303.04806	309.01206	240.51201	10.60412	0.0502104	0.18034309	3.1026757	21	—	—
493287 2014 UP_{169}	16.4	X	116.74365	220.61696	149.29453	12.11808	0.1410544	0.18320341	3.0702967	21	1 10.5	20.9
493288 2014 UU_{170}	16.3	X	105.61254	247.08807	122.89339	7.06228	0.1958025	0.18478382	3.0527653	21	1 4.9	20.5
493289 2014 UH_{171}	16.7	X	171.36935	118.68911	209.02101	10.35376	0.0627719	0.18599980	3.0394458	21	1 9.5	21.4
493290 2014 UG_{172}	16.5	X	275.09304	171.08356	110.34841	9.82008	0.1115085	0.21356611	2.7719230	21	3 1.8	20.6
493291 2014 UE_{173}	16.7	X	342.67870	171.88485	84.27049	14.86331	0.1233085	0.23041783	2.6350690	21	4 30.1	19.9
493292 2014 UN_{173}	16.2	X	217.66000	229.38068	94.98322	11.01712	0.1261252	0.20986455	2.8044218	21	2 24.3	20.8
493293 2014 UT_{174}	16.7	X	36.72878	338.49716	102.53356	9.62757	0.0759517	0.17697004	3.1419762	21	—	—
493294 2014 UQ_{176}	16.4	X	39.16579	25.38390	46.99669	13.99879	0.1633215	0.17250420	3.1959718	21	—	—
493295 2014 UR_{177}	16.4	X	202.91480	283.97042	59.21210	7.99923	0.1101307	0.21292936	2.7774463	21	3 4.7	20.8
493296 2014 UO_{179}	16.8	X	220.60021	230.72665	88.72428	4.54816	0.1901419	0.21725807	2.7404304	21	2 16.9	21.4
493297 2014 UG_{180}	17.1	X	188.42462	292.34566	74.17715	4.36629	0.1032895	0.21441438	2.7646072	21	3 16.6	21.4
493298 2014 UQ_{181}	17.1	X	300.72928	252.81179	49.11898	13.79455	0.1148657	0.23518943	2.5993066	21	4 24.9	20.5
493299 2014 UW_{182}	16.2	X	56.37409	353.21251	68.83823	10.27902	0.0808273	0.17608888	3.1524492	21	—	—
493300 2014 UZ_{182}	17.5	X	311.78097	278.48587	69.26262	12.18001	0.2731526	0.26180302	2.4200237	21	6 14.9	20.1
493301 2014 UM_{183}	16.2	X	139.87664	293.41186	60.87404	17.97766	0.0485841	0.18438650	3.0571493	21	1 6.9	20.8
493302 2014 UP_{183}	17.0	X	227.21489	143.78188	192.14327	3.10800	0.0991799	0.21669409	2.7451832	21	3 15.2	21.3
493303 2014 UY_{183}	16.4	X	76.12232	177.91700	222.91327	16.84843	0.1870898	0.17864451	3.1223118	21	—	—
493304 2014 UZ_{183}	16.7	X	193.81491	286.32346	55.14101	2.63582	0.0650574	0.20443246	2.8538829	21	2 18.8	20.9
493305 2014 UF_{184}	16.1	X	88.15736	190.36223	220.85206	15.78169	0.1260111	0.18621246	3.0371312	21	1 17.8	20.4
493306 2014 UM_{184}	16.4	X	80.68471	173.67600	243.03076	8.65845	0.1201753	0.18996227	2.9970304	21	1 14.9	20.4
493307 2014 UW_{184}	17.1	X	252.93588	127.70196	215.17283	4.47341	0.3070370	0.23513088	2.5997381	21	4 1.3	21.7
493308 2014 UY_{184}	18.6	X	56.99752	320.03477	75.15296	4.21903	0.1468516	0.31345121	2.1462950	21	—	—
493309 2014 UK_{189}	16.2	X	67.39594	34.80409	8.08940	16.52051	0.1964694	0.17805061	3.1292511	21	—	—
493310 2014 UX_{189}	16.9	X	181.83945	253.28206	107.00838	3.21489	0.0781946	0.20383350	2.8594709	21	3 1.5	21.1
493311 2014 UA_{190}	17.5	X	289.77407	126.48378	198.18769	4.87612	0.2278652	0.24147985	2.5539680	21	4 21.5	21.0
493312 2014 UH_{190}	16.1	X	81.77483	333.99326	75.01590	11.22783	0.0981988	0.18297203	3.0728846	21	1 8.1	20.1
493313 2014 UL_{190}	16.1	X	39.24755	339.22291	108.33858	10.87357	0.0650417	0.17806959	3.1290286	21	—	—
493314 2014 UH_{191}	17.9	X	41.35290	57.16696	275.08000	1.02958	0.1873207	0.29410693	2.2394045	21	12 14.5	20.5
493315 2014 UA_{194}	16.1	X	351.73418	15.01847	110.73839	3.88606	0.0477745	0.18061875	3.0995179	21	—	—
493316 2014 UF_{195}	16.3	X	326.83790	93.98272	70.25455	7.44188	0.0907926	0.18592244	3.0402889	21	—	—
493317 2014 UM_{195}	17.0	X	266.44264	85.07685	217.98490	13.40495	0.0913328	0.22407518	2.6845627	21	3 12.8	21.1
493318 2014 UB_{196}	16.1	X	125.03190	307.34206	24.38033	8.51279	0.0680705	0.17674258	3.1446713	21	—	—
493319 2014 UA_{199}	16.9	X	227.26624	87.04861	229.02006	9.74645	0.2157381	0.21875704	2.7278973	21	2 12.2	21.8
493320 2014 UB_{201}	16.6	X	259.49681	73.39700	220.28283	19.53708	0.2101756	0.21296799	2.7771105	21	2 10.3	21.6
493321 2014 UC_{202}	16.2	X	24.17517	329.80803	91.36334	5.73696	0.1015121	0.16782010	3.2551680	21	—	—
493322 2014 UV_{202}	16.8	X	164.01664	180.24900	218.14663	12.22263	0.1564719	0.21467872	2.7623373	21	3 29.7	21.3
493323 2014 UE_{207}	17.0	X	212.41310	259.91913	81.73400	7.01442	0.1265516	0.21785710	2.7354046	21	3 10.8	21.4
493324 2014 UF_{207}	16.1	X	32.91122	283.95499	147.31940	5.99693	0.1514228	0.17275730	3.1928495	21	—	—
493325 2014 UB_{208}	16.6	X	212.12311	343.44056	332.68090	7.51149	0.0727040	0.20051581	2.8909260	21	2 7.9	20.9
493326 2014 UC_{209}	16.5	X	283.46696	239.27627	90.25195	14.12381	0.1817777	0.23710029	2.5853221	21	5 2.7	20.3
493327 2014 UQ_{216}	15.5	X	83.63316	158.42867	234.54633	15.05365	0.1996303	0.17789990	3.1310181	21	1 3.1	19.6
493328 2014 UT_{216}	16.3	X	208.46706	279.84502	95.39948	13.42797	0.1129559	0.22562504	2.6722547	21	4 19.8	20.7
493329 2014 UX_{223}	16.5	X	187.90191	240.86512	105.95791	8.90682	0.2358971	0.21318514	2.7752243	21	2 25.2	21.4
493330 2014 VB_{5}	17.3	X	230.29188	268.18807	73.72012	4.78827	0.2308437	0.23663994	2.5886739	21	3 20.9	21.7
493331 2014 VT_{5}	16.0	X	85.87619	288.26815	67.41522	9.90778	0.2137513	0.17159097	3.2073014	21	—	—
493332 2014 VM_{9}	16.3	X	72.87774	14.70752	55.04976	10.35679	0.0204506	0.18289600	3.0737361	21	1 14.2	20.7
493333 2014 VL_{11}	15.7	X	63.26004	313.84527	87.05309	20.13048	0.1186668	0.16925119	3.2367928	21	—	—
493334 2014 VP_{11}	15.7	X	60.97242	324.59009	83.02216	28.07884	0.1539120	0.17041592	3.2220278	21	—	—
493335 2014 VT_{12}	16.6	X	96.28913	289.60854	87.55437	9.66771	0.2018300	0.18243744	3.0788845	21	1 3.3	20.6
493336 2014 VE_{15}	15.7	X	230.93184	220.99852	54.18766	19.96857	0.0877147	0.18571774	3.0425224	21	1 12.4	20.7
493337 2014 VU_{17}	16.9	X	149.84986	244.33524	142.80726	2.59808	0.1038333	0.20397863	2.8581144	21	3 1.5	21.1
493338 2014 VE_{19}	16.8	X	221.38734	306.43203	20.41931	11.77668	0.0749057	0.21353869	2.7721603	21	3 4.4	21.0
493339 2014 VL_{21}	15.9	X	44.71592	232.36389	227.56121	9.79353	0.0535713	0.18152181	3.0892295	21	1 13.2	20.2
493340 2014 VH_{22}	15.4	X	251.27227	179.10810	77.14250	11.61559	0.0512674	0.18434989	3.0575540	21	1 12.9	20.0
493341 2014 VD_{29}	16.1	X	268.95118	158.46183	57.39882	13.72358	0.0176709	0.17424303	3.1746738	21	—	—
493342 2014 VO_{29}	16.4	X	356.06797	262.19697	242.27966	4.17919	0.0455522	0.18086513	3.0967025	21	1 4.5	20.7
493343 2014 VT_{29}	17.7	X	289.45913	274.00330	59.05495	2.45506	0.2637402	0.24564839	2.5249925	21	4 26.9	21.1
493344 2014 VU_{33}	16.3	X	145.68152	292.45417	55.73423	9.42226	0.0982334	0.18716100	3.0268610	21	1 12.4	20.9
493345 2014 WS	16.9	X	137.89096	158.21835	199.08764	5.48193	0.0842103	0.18539306	3.0460737	21	1 11.3	21.4
493346 2014 WS_{2}	15.8	X	128.18664	287.02363	61.89355	10.41796	0.0812501	0.17835113	3.1257349	21	—	—
493347 2014 WO_{3}	16.8	X	293.45939	217.77425	109.42359	7.39013	0.1389182	0.24005685	2.5640509	21	5 15.2	20.2
493348 2014 WX_{7}	16.9	X	254.50785	93.25934	236.72219	7.45378	0.1836159	0.23007198	2.6377091	21	3 25.5	21.3
493349 2014 WC_{10}	17.2	X	259.86115	278.51213	46.29106	14.74085	0.2294489	0.23277696	2.6172350	21	3 29.2	21.6
493350 2014 WU_{10}	16.6	X	20.48931	232.59836	226.68822	8.52618	0.0653932	0.17731461	3.1379044	21	—	—
493351 2014 WQ_{18}	16.8	X	272.85340	252.54757	64.17543	10.42786	0.2744274	0.22851762	2.6496566	21	3 26.2	21.2
493352 2014 WZ_{18}	16.1	X	106.79478	353.98112	51.92077	10.95215	0.0971122	0.18543739	3.0455882	21	2 9.2	20.5
493353 2014 WH_{19}	16.1	X	23.98103	222.41104	208.03199	19.55128	0.0775387	0.17331700	3.1859719	21	—	—
493354 2014 WE_{21}	16.1	X	216.57646	310.60906	291.98777	4.53627	0.0313383	0.16838595	3.2478713	21	—	—
493355 2014 WP_{23}	17.5	X	227.97240	16.04971	340.72892	2.71463	0.1640990	0.22629272	2.6669958	21	4 6.3	21.7
493356 2014 WJ_{28}	16.3	X	42.77439	16.77039	62.15617	10.10478	0.0712592	0.17446272	3.1720081	21	—	—
493357 2014 WP_{28}	17.0	X	303.57186	236.15139	47.18659	6.63044	0.1143603	0.22314883	2.6919871	21	4 5.1	20.6
493358 2014 WC_{44}	16.8	X	158.12627	256.21892	111.25350	2.69963	0.1115993	0.19968954	2.8988952	21	2 16.0	21.1
493359 2014 WH_{48}	16.4	X	275.45789	23.37477	227.16985	10.02912	0.0781882	0.19243348	2.9713168	21	1 24.7	21.0
493360 2014 WQ_{48}	16.4	X	358.58934	270.02221	230.12338	14.59102	0.0294998	0.17910112	3.1170028	21	1 2.4	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493361 2014 WC_{55}	16.4	X	253.59084	96.71364	233.34256	11.70501	0.1455025	0.21962844	2.7206770	21	3 28.1	20.7
493362 2014 WH_{58}	17.1	X	222.12443	296.85239	46.49718	3.98319	0.1991247	0.21669093	2.7452099	21	3 18.1	21.7
493363 2014 WL_{62}	16.6	X	83.71897	162.47800	216.22162	8.84475	0.0935234	0.17522079	3.1628527	21	—	—
493364 2014 WT_{62}	16.4	X	182.40295	264.69302	75.59040	12.18828	0.1436157	0.20061351	2.8899873	21	2 12.5	21.2
493365 2014 WV_{63}	17.0	X	279.38717	98.05586	212.63127	13.61942	0.1544258	0.23339054	2.6126459	21	3 30.5	20.8
493366 2014 WW_{65}	16.4	X	73.62687	297.76833	77.18019	5.93155	0.1605711	0.16998523	3.2274678	21	—	—
493367 2014 WD_{67}	16.2	X	20.23679	8.29436	100.22991	5.24892	0.0272540	0.17985386	3.1082996	21	—	—
493368 2014 WM_{70}	17.2	X	259.41285	101.53900	223.94517	5.53578	0.0116536	0.22288977	2.6940726	21	4 15.2	20.9
493369 2014 WH_{71}	15.7	X	221.50850	188.92312	83.72961	12.40104	0.0236401	0.18088313	3.0964970	21	—	—
493370 2014 WC_{77}	17.5	X	274.82229	161.87141	149.56601	3.32729	0.0797439	0.22338954	2.6900530	21	4 9.2	21.1
493371 2014 WD_{83}	16.8	X	82.21129	317.49031	108.01957	2.75909	0.0404511	0.18756446	3.0225188	21	1 20.7	20.8
493372 2014 WM_{88}	16.3	X	59.07101	235.45964	219.80941	9.85419	0.0932701	0.18842416	3.0133182	21	1 27.7	20.3
493373 2014 WU_{103}	16.2	X	181.66757	222.32934	73.30849	10.55811	0.0847996	0.18151116	3.0893503	21	—	—
493374 2014 WA_{105}	17.0	X	102.91209	32.15634	30.95197	2.38125	0.0575019	0.20407442	2.8572199	21	2 13.1	20.9
493375 2014 WE_{106}	17.1	X	301.25806	238.52148	48.70877	24.07676	0.1633476	0.23529352	2.5985400	21	4 7.8	20.9
493376 2014 WK_{107}	16.5	X	135.96858	328.00922	12.63747	8.26210	0.0959918	0.18575342	3.0421328	21	—	—
493377 2014 WO_{107}	16.3	X	57.20142	14.77441	20.34848	7.72354	0.1504182	0.17234433	3.1979479	21	—	—
493378 2014 WT_{108}	18.5	X	258.34912	327.86491	171.71531	1.82453	0.0859161	0.28706332	2.2758881	21	12 5.7	20.9
493379 2014 WO_{109}	15.8	X	59.68883	350.59045	80.11371	15.16429	0.0957318	0.17914012	3.1165504	21	1 3.6	19.8
493380 2014 WX_{117}	16.3	X	359.16680	273.28757	212.94543	25.37697	0.0948706	0.17982442	3.1086389	21	—	—
493381 2014 WJ_{121}	16.5	X	220.19491	254.12220	84.68362	13.73916	0.1232309	0.21174371	2.7878049	21	3 19.2	21.1
493382 2014 WO_{123}	16.8	X	157.98700	203.41575	172.96616	7.30500	0.1643181	0.20150058	2.8814993	21	3 1.2	21.3
493383 2014 WV_{123}	17.4	X	325.57454	208.67557	202.27797	6.35402	0.2419880	0.27977598	2.3152387	21	11 22.0	18.5
493384 2014 WX_{124}	16.9	X	200.61612	73.19123	30.35241	2.73278	0.1218150	0.24357341	2.5393124	21	7 28.2	20.7
493385 2014 WP_{129}	16.8	X	182.98822	268.07114	107.70333	7.21913	0.1643582	0.21402522	2.7679574	21	3 25.8	21.4
493386 2014 WX_{132}	16.4	X	160.04769	265.20538	60.76002	9.44808	0.1041679	0.17993439	3.1073721	21	1 2.4	21.2
493387 2014 WX_{136}	17.3	X	299.59964	91.71529	237.58917	3.77849	0.2008046	0.24360253	2.5391100	21	5 13.9	20.5
493388 2014 WN_{139}	15.9	X	249.92164	18.05609	246.87784	23.21611	0.2327375	0.18915746	3.0055254	21	1 4.5	21.3
493389 2014 WO_{140}	16.6	X	287.67270	183.43749	71.83988	7.06769	0.0461609	0.19807588	2.9146181	21	2 22.9	20.8
493390 2014 WA_{141}	16.9	X	172.23173	253.08234	82.67969	2.99539	0.0432644	0.18506799	3.0496396	21	1 20.9	21.3
493391 2014 WM_{158}	16.3	X	47.41430	36.77356	52.53812	18.63689	0.1470159	0.18424487	3.0587157	21	1 11.3	20.2
493392 2014 WC_{160}	16.3	X	4.36571	14.09062	104.16095	10.70816	0.0597014	0.17472712	3.1688074	21	—	—
493393 2014 WG_{160}	17.6	X	246.41893	301.10491	173.80648	6.56262	0.0587366	0.27170611	2.3608575	21	10 17.6	20.4
493394 2014 WV_{160}	16.0	X	317.35757	105.30949	80.18149	16.48705	0.1528172	0.17973683	3.1096487	21	—	—
493395 2014 WB_{162}	16.7	X	224.38554	92.34823	328.01003	4.60942	0.1370009	0.22962897	2.6411005	21	6 24.9	20.9
493396 2014 WD_{163}	17.0	X	276.70145	301.60800	31.55385	6.71548	0.2758207	0.24103665	2.5570977	21	4 12.9	21.0
493397 2014 WX_{168}	16.8	X	280.82008	180.64161	111.54351	6.87944	0.0330627	0.21798017	2.7343749	21	4 1.2	20.6
493398 2014 WA_{173}	15.9	X	47.57051	315.28878	100.27008	10.31028	0.1319318	0.18370270	3.0647309	21	—	—
493399 2014 WE_{174}	16.5	X	252.52213	246.09222	100.42142	14.47290	0.1672970	0.22937395	2.6430577	21	4 24.3	20.9
493400 2014 WT_{179}	16.1	X	156.46065	211.82245	80.81826	10.28205	0.0680731	0.17501181	3.1653700	21	—	—
493401 2014 WT_{181}	17.0	X	275.31870	260.15251	45.68787	15.42021	0.1577590	0.23419930	2.6066276	21	3 28.5	21.0
493402 2014 WA_{189}	16.4	X	11.26723	31.16065	80.25808	16.93382	0.1182734	0.17142772	3.2093372	21	—	—
493403 2014 WB_{189}	16.4	X	237.12906	89.32873	205.08675	11.58439	0.0265965	0.19642752	2.9309011	21	2 7.0	20.8
493404 2014 WE_{190}	16.2	X	121.20604	253.74657	101.47038	10.39771	0.0830354	0.17634914	3.1493468	21	—	—
493405 2014 WF_{192}	15.2	X	230.18483	43.73464	217.03615	27.36573	0.1881361	0.17371282	3.1811304	21	—	—
493406 2014 WA_{193}	16.5	X	150.63630	153.84873	195.31214	11.55635	0.0285105	0.17904034	3.1177081	21	1 9.8	21.2
493407 2014 WG_{193}	15.6	X	213.59622	138.10100	143.76074	17.35767	0.0392486	0.17555797	3.1588015	21	1 3.9	20.5
493408 2014 WR_{193}	16.7	X	269.45225	211.76586	94.81996	15.25977	0.0763239	0.22220419	2.6996112	21	4 4.3	20.8
493409 2014 WN_{198}	16.6	X	299.34120	80.00667	139.20755	13.25939	0.0217311	0.18967099	3.0000980	21	1 25.2	20.9
493410 2014 WU_{198}	16.2	X	101.01068	248.73200	132.31664	11.17409	0.0180973	0.17571600	3.1569075	21	—	—
493411 2014 WL_{199}	16.3	X	277.16925	188.43994	114.17670	15.52283	0.0613785	0.21836264	2.7311811	21	4 10.2	20.4
493412 2014 WC_{211}	16.7	X	262.67912	217.33893	145.89262	3.10466	0.2436824	0.24123941	2.5556647	21	5 11.3	20.7
493413 2014 WA_{215}	15.5	X	294.27919	138.99701	38.60315	27.97565	0.1256611	0.17608044	3.1525499	21	—	—
493414 2014 WD_{216}	16.0	X	150.60571	237.98367	78.75634	15.03212	0.1896237	0.18365941	3.0652125	21	—	—
493415 2014 WL_{216}	16.3	X	117.27413	162.59463	194.99349	11.27311	0.1414897	0.17992007	3.1075370	21	—	—
493416 2014 WD_{218}	16.5	X	289.68191	320.97260	247.71729	7.90817	0.0503203	0.18263151	3.0767030	21	—	—
493417 2014 WV_{240}	17.1	X	208.86747	154.10369	182.63550	7.84376	0.0625660	0.20386741	2.8591538	21	2 26.8	21.3
493418 2014 WB_{250}	16.3	X	81.13652	40.37007	344.85138	8.37765	0.0585690	0.17033532	3.2230440	21	—	—
493419 2014 WY_{251}	16.2	X	101.05034	92.73724	273.55072	11.82369	0.2037363	0.17513442	3.1638924	21	—	—
493420 2014 WG_{253}	16.1	X	166.36217	141.94930	181.01329	12.44465	0.1673559	0.19215723	2.9741639	21	1 6.6	21.0
493421 2014 WS_{259}	15.5	X	124.28020	263.13963	70.29055	33.21290	0.0933502	0.16852647	3.2460656	21	—	—
493422 2014 WT_{260}	16.1	X	219.72145	160.00134	99.86593	6.76218	0.0250405	0.17255527	3.1953411	21	—	—
493423 2014 WT_{269}	16.3	X	332.82030	70.36668	84.82956	16.89614	0.0200939	0.17419183	3.1752959	21	—	—
493424 2014 WE_{273}	16.5	X	130.76719	233.27914	130.99675	6.99746	0.1060701	0.18183710	3.0856575	21	1 15.7	21.1
493425 2014 WS_{278}	16.3	X	176.03685	193.77874	154.85936	6.82127	0.1329361	0.19497528	2.9454366	21	2 12.3	21.0
493426 2014 WF_{286}	15.7	X	89.32926	320.79360	93.16680	10.68215	0.0854681	0.18091929	3.0960845	21	1 23.8	19.9
493427 2014 WN_{291}	16.1	X	258.82707	252.72740	93.22864	15.87785	0.1802721	0.23320279	2.6140479	21	4 28.7	20.4
493428 2014 WD_{293}	16.2	X	225.15118	166.62172	109.41811	16.94877	0.0474933	0.18191861	3.0847358	21	1 8.1	20.6
493429 2014 WF_{299}	16.0	X	248.91247	211.17264	97.27076	16.69478	0.1359883	0.21548278	2.7554614	21	3 8.6	20.6
493430 2014 WH_{315}	15.8	X	42.49779	314.22781	87.30145	12.13987	0.0729507	0.17002572	3.2269555	21	—	—
493431 2014 WF_{321}	16.5	X	115.36056	238.63683	173.25133	12.18684	0.0528944	0.19771942	2.9181202	21	2 12.5	20.7
493432 2014 WA_{322}	16.3	X	67.89342	226.36988	199.16918	15.56951	0.0994173	0.18211341	3.0825356	21	1 6.5	20.5
493433 2014 WG_{322}	16.6	X	88.57135	223.59059	180.04599	10.23637	0.1125971	0.18343803	3.0676782	21	1 10.8	20.8
493434 2014 WW_{325}	16.7	X	131.02763	223.52130	157.56529	11.76307	0.0258994	0.19164826	2.9794273	21	1 22.9	21.0
493435 2014 WP_{326}	16.3	X	99.53454	307.45069	110.18340	10.84829	0.0991511	0.19240294	2.9716312	21	2 10.8	20.3
493436 2014 WM_{329}	16.3	X	224.48853	251.80867	68.47287	21.26091	0.1237292	0.21031915	2.8003792	21	3 4.8	21.2
493437 2014 WO_{336}	16.4	X	22.58970	252.36527	197.80999	15.53169	0.0942044	0.16888821	3.2414289	21	—	—
493438 2014 WH_{337}	16.4	X	83.14007	237.85408	150.81434	10.96323	0.0806406	0.17344570	3.1843957	21	—	—
493439 2014 WE_{338}	16.1	X	200.24885	219.20237	102.58542	18.68224	0.1490603	0.19963193	2.8994528	21	2 5.1	21.0
493440 2014 WA_{340}	16.3	X	258.90551	216.88718	100.58863	13.48674	0.1708124	0.22464119	2.6800514	21	3 25.4	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493441 2014 WM_{341}	16.3	X	168.08281	255.92770	92.03822	18.21841	0.1567160	0.19720400	2.9232025	21	2 9.1	21.2
493442 2014 WW_{342}	16.6	X	97.72300	272.58936	141.35165	11.32144	0.0323665	0.19028003	2.9936929	21	1 23.9	20.8
493443 2014 WQ_{346}	16.1	X	65.19911	39.14917	353.24355	11.30641	0.0601576	0.16809365	3.2516354	21	—	—
493444 2014 WS_{349}	16.2	X	91.52378	135.55691	268.25259	8.33026	0.0742339	0.18100675	3.0950870	21	1 10.9	20.4
493445 2014 WF_{353}	16.0	X	62.44073	170.43871	245.67589	10.41021	0.0478075	0.17374634	3.1807212	21	—	—
493446 2014 WJ_{361}	16.5	X	12.35049	46.16767	66.59461	18.23798	0.0542586	0.17382600	3.1797493	21	—	—
493447 2014 WK_{366}	13.3	X	280.66663	294.60097	47.48022	35.79045	0.0915950	0.08389120	5.1680309	21	5 23.7	20.3
493448 2014 WE_{375}	16.5	X	214.92025	249.80337	28.48858	5.49165	0.1060473	0.17915198	3.1164128	21	—	—
493449 2014 WB_{376}	16.7	X	214.19556	76.59654	241.84666	9.01646	0.0290554	0.19576174	2.9375426	21	2 9.6	21.1
493450 2014 WX_{383}	16.6	X	263.31034	252.69646	80.71666	14.04126	0.1933311	0.23620633	2.5918410	21	4 15.6	20.8
493451 2014 WC_{388}	16.2	X	259.97845	243.51191	87.68319	16.09982	0.1624145	0.22606758	2.6687662	21	4 14.9	20.6
493452 2014 WA_{389}	16.2	X	5.76370	0.03027	134.06035	17.91990	0.0890879	0.17891043	3.1192172	21	1 2.8	20.4
493453 2014 WF_{392}	16.0	X	252.22209	216.63286	101.07863	18.50136	0.1384163	0.21942844	2.7223300	21	3 24.7	20.6
493454 2014 WO_{392}	15.5	X	73.09116	323.67806	91.31277	18.17455	0.1996809	0.17530814	3.1618019	21	1 18.2	19.4
493455 2014 WH_{394}	16.4	X	230.35620	327.73729	18.55288	18.58960	0.2239606	0.22729839	2.6591233	21	3 27.9	20.9
493456 2014 WT_{400}	17.0	X	247.60204	304.60614	18.52333	9.17644	0.1554770	0.21782160	2.7357018	21	3 18.8	21.2
493457 2014 WT_{403}	15.8	X	249.68741	340.93371	276.05067	10.50153	0.0873634	0.18139219	3.0907010	21	1 8.7	20.4
493458 2014 WE_{409}	16.1	X	202.57732	228.03489	77.22380	10.27921	0.0801084	0.18162453	3.0880646	21	1 19.9	20.9
493459 2014 WW_{412}	15.9	X	42.08854	288.76451	227.13092	9.66732	0.0845351	0.18414126	3.0598629	21	3 20.7	19.9
493460 2014 WY_{416}	16.2	X	189.76231	124.26981	211.70428	11.29139	0.1266304	0.19228662	2.9728295	21	2 7.1	21.1
493461 2014 WL_{422}	16.3	X	263.48515	196.28698	106.66585	10.02685	0.1237851	0.20997849	2.8034071	21	3 16.1	20.6
493462 2014 WQ_{430}	16.0	X	271.94636	184.07384	62.88333	12.88457	0.0693144	0.19082029	2.9880395	21	1 23.3	20.5
493463 2014 WU_{437}	16.2	X	247.38230	342.28419	269.32890	8.33712	0.0366436	0.18051026	3.1007597	21	1 3.9	20.8
493464 2014 WJ_{450}	17.5	X	175.18692	145.77275	314.32913	2.86233	0.1839638	0.23184367	2.6242541	21	6 27.3	21.7
493465 2014 WM_{454}	15.9	X	296.31063	63.93485	127.97000	19.82234	0.1176008	0.17383051	3.1796944	21	—	—
493466 2014 WW_{462}	16.3	X	173.56350	237.93278	73.63924	11.07294	0.0748214	0.17789609	3.1310628	21	—	—
493467 2014 WA_{486}	16.6	X	214.61384	268.30799	104.09445	13.20539	0.2475168	0.22554273	2.6729048	21	4 18.5	21.5
493468 2014 WD_{488}	18.2	X	31.86901	262.53526	137.46403	4.72947	0.1798087	0.30430982	2.1890654	21	—	—
493469 2014 WY_{493}	16.4	X	64.85951	251.39957	233.19726	7.41649	0.0487538	0.17807783	3.1289322	21	3 10.9	20.7
493470 2014 WO_{499}	16.0	X	72.86297	296.20987	129.24281	7.29165	0.1037730	0.18129944	3.0917550	21	1 16.3	19.8
493471 2014 WM_{500}	15.9	X	43.84391	307.04672	135.26182	11.54061	0.1315130	0.17986194	3.1082065	21	—	—
493472 2014 WU_{510}	14.1	X	38.55970	325.70337	11.76940	15.02630	0.0634935	0.08292170	5.2082353	21	10 21.8	20.9
493473 2014 XC_{4}	16.2	X	134.94626	273.56948	114.03793	18.17887	0.1812302	0.20049581	2.8911182	21	2 26.8	20.8
493474 2014 XH_{12}	15.7	X	202.75507	19.85226	252.25666	14.44257	0.0845279	0.16993995	3.2280412	21	—	—
493475 2014 XT_{37}	16.3	X	83.44847	13.08318	96.63690	5.11902	0.1352958	0.18461843	3.0545883	21	4 3.1	20.4
493476 2014 YV_{2}	16.6	X	104.88183	328.56389	158.93767	7.06295	0.0559752	0.20186034	2.8780746	21	5 9.8	20.6
493477 2014 YN_{20}	15.7	X	100.62806	113.24029	282.48190	13.48590	0.0558923	0.18263662	3.0766456	21	1 10.2	19.9
493478 2014 YC_{30}	15.9	X	131.66486	129.62626	242.63071	9.20393	0.0439765	0.18171178	3.0870760	21	1 16.4	20.4
493479 2014 YB_{38}	16.5	X	23.65686	135.38528	44.07906	7.05274	0.0540554	0.18801052	3.0177363	21	3 27.9	20.4
493480 2014 YZ_{49}	5.3	X	2.98642	51.68852	131.10060	17.21287	0.0135411	0.00388894	40.0481082	21	3 31.1	21.3
493481 2015 AT_{13}	15.7	X	136.16889	317.09180	54.79363	18.26849	0.2266749	0.17442329	3.1724861	21	2 22.0	21.1
493482 2015 AH_{15}	16.3	X	269.44886	304.21013	46.69085	14.48827	0.0166757	0.21027318	2.8007873	21	5 31.0	20.2
493483 2015 AE_{40}	18.0	X	321.26288	321.70646	72.63825	2.64963	0.1872749	0.26382752	2.4076276	21	10 8.8	19.8
493484 2015 AU_{41}	17.2	X	92.08513	132.49981	323.81553	3.90993	0.1492915	0.18500891	3.0502887	21	3 26.4	21.5
493485 2015 AV_{143}	16.9	X	339.04881	265.11692	46.79034	2.76434	0.0683088	0.22580038	2.6708711	21	7 12.7	20.1
493486 2015 AE_{155}	17.1	X	226.02333	26.81302	22.98137	2.16398	0.0843392	0.22104532	2.7090384	21	6 17.0	21.0
493487 2015 AM_{175}	17.0	X	157.80983	95.95046	340.13867	4.72628	0.1019818	0.20238898	2.8730607	21	5 7.2	21.4
493488 2015 AE_{181}	17.7	X	223.72786	38.55407	6.86132	3.40917	0.0893858	0.21733448	2.7397880	21	6 8.0	21.7
493489 2015 AN_{182}	16.8	X	261.27160	267.46495	94.55873	6.19580	0.0767627	0.21330989	2.7741422	21	5 29.3	20.6
493490 2015 AZ_{186}	17.6	X	197.53816	257.95390	155.18871	3.67125	0.1828698	0.21532611	2.7567978	21	5 20.5	22.2
493491 2015 AT_{190}	17.5	X	219.96982	84.86064	318.33025	5.42931	0.0553863	0.21580005	2.7527600	21	6 3.1	21.6
493492 2015 AZ_{208}	15.7	X	57.07251	341.55337	95.41391	18.36965	0.0608275	0.17723480	3.1388464	21	1 5.5	19.9
493493 2015 AZ_{220}	16.8	X	255.52306	163.66682	212.17642	12.18592	0.2743519	0.23918655	2.5702668	21	5 17.6	21.0
493494 2015 AY_{253}	16.3	X	76.74200	63.04846	72.36745	2.84289	0.0526110	0.18839666	3.0136113	21	4 12.8	20.4
493495 2015 AY_{256}	16.2	X	141.13958	270.08514	106.02313	16.51342	0.1441532	0.17792049	3.1307766	21	2 17.9	21.1
493496 2015 AY_{264}	16.5	X	106.09391	32.40236	39.59012	10.53184	0.1645830	0.17777616	3.1324709	21	3 22.4	21.1
493497 2015 AR_{271}	17.9	X	86.15312	244.89840	42.08309	2.49956	0.2464401	0.26198457	2.4189055	21	12 4.0	21.7
493498 2015 AB_{277}	16.4	X	296.55225	50.23993	217.64711	8.78814	0.0210665	0.18311921	3.0712378	21	3 21.6	20.8
493499 2015 BO_{2}	17.0	X	97.08863	71.12969	23.04961	0.36619	0.1435740	0.18233788	3.0800052	21	3 31.1	21.2
493500 2015 BM_{10}	17.1	X	3.84587	205.67138	45.99985	4.95218	0.0174748	0.21143595	2.7905094	21	5 28.5	20.7
493501 2015 BR_{34}	17.4	X	223.04342	349.58476	59.10097	2.79758	0.0822795	0.21825087	2.7321135	21	6 12.4	21.4
493502 2015 BT_{59}	16.9	X	120.20032	338.45324	104.71331	2.10487	0.0836639	0.18603264	3.0390881	21	4 6.5	21.2
493503 2015 BF_{61}	16.5	X	242.20114	46.38657	340.80837	5.89356	0.1040074	0.21621564	2.7492315	21	6 3.4	20.7
493504 2015 BU_{87}	16.1	X	283.12612	326.63672	308.86386	4.17561	0.0962709	0.17475524	3.1684674	21	3 6.4	20.8
493505 2015 BJ_{102}	16.5	X	194.33805	184.07339	180.91155	3.41410	0.0905314	0.17912965	3.1166717	21	3 21.9	21.3
493506 2015 BX_{118}	15.7	X	311.76993	118.19163	357.13506	3.97809	0.2438466	0.12545711	3.9518992	21	11 28.7	20.3
493507 2015 BW_{126}	17.0	X	115.35822	30.82620	101.30359	3.29736	0.0136186	0.20262515	2.8708278	21	5 21.6	20.9
493508 2015 BH_{231}	17.4	X	0.29526	244.69754	29.97124	5.35309	0.0861290	0.21882627	2.7273220	21	6 23.6	20.7
493509 2015 BT_{265}	16.7	X	106.67880	275.59699	183.81638	8.68314	0.0575897	0.19058039	2.9905466	21	4 6.0	20.7
493510 2015 BG_{364}	17.0	X	274.22228	329.66354	72.65174	6.43028	0.1358395	0.24454880	2.5325558	21	8 1.2	20.3
493511 2015 BM_{519}	13.8	X	300.88556	51.30122	27.24374	22.59230	0.1511687	0.08329151	5.1928076	21	10 9.2	20.3
493512 2015 CH_{3}	16.6	X	262.60146	168.40886	198.93351	4.03620	0.0873864	0.21249181	2.7812578	21	6 5.2	20.4
493513 2015 CW_{6}	17.0	X	140.16983	275.50762	169.63940	2.94671	0.0840245	0.19330685	2.9623603	21	5 1.1	21.3
493514 2015 CV_{15}	16.9	X	231.61666	114.79653	276.94966	2.71696	0.1094511	0.21260441	2.7802757	21	5 28.8	21.0
493515 2015 CO_{21}	16.9	X	160.46083	294.88008	104.33841	3.51413	0.0745516	0.18234110	3.0799689	21	3 28.9	21.5
493516 2015 CV_{60}	16.2	X	104.54493	62.64919	19.66544	9.09361	0.1073499	0.17818424	3.1276864	21	3 22.8	20.6
493517 2015 DV_{12}	15.7	X	116.30946	256.62392	133.53376	14.00565	0.3026963	0.17395586	3.1781667	21	2 26.3	20.7
493518 2015 DV_{104}	16.5	X	129.55907	83.84434	30.89380	9.10401	0.0904571	0.20173069	2.8793076	21	5 24.1	20.8
493519 2015 DG_{107}	16.4	X	110.02359	27.69141	44.74992	10.01151	0.0806876	0.17679254	3.1440789	21	3 16.7	21.0
493520 2015 DO_{109}	15.9	X	292.19418	234.92374	37.08878	10.55328	0.0384982	0.18035277	3.1025647	21	3 25.3	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493521 2015 DO_{111}	16.9	X	98.63700	38.99452	44.12236	10.83254	0.0542403	0.17362416	3.1822132	21	3 13.2	21.5
493522 2015 ER_{12}	16.8	X	109.30465	45.94032	35.77385	6.89327	0.1474706	0.18082267	3.0971873	21	4 1.7	21.2
493523 2015 FJ_{3}	16.0	X	237.26997	298.70791	42.57284	10.49987	0.0419074	0.18593551	3.0401464	21	4 11.8	20.4
493524 2015 FN_{38}	16.7	X	244.59703	260.00524	189.32262	8.71894	0.0943832	0.21910262	2.7250282	21	8 27.2	20.6
493525 2015 FZ_{38}	16.3	X	136.15795	283.84583	189.29730	10.38284	0.0569490	0.17994410	3.1072603	21	5 30.1	21.0
493526 2015 FF_{40}	14.2	X	29.17210	33.89381	335.33415	1.51752	0.0255220	0.08194537	5.2495223	21	11 13.1	21.0
493527 2015 FT_{44}	16.8	X	58.41308	188.55808	37.69385	5.17054	0.0708774	0.19095347	2.9866501	21	7 18.2	20.8
493528 2015 FZ_{71}	17.0	X	152.86112	335.81218	190.57615	4.80055	0.0958910	0.21024444	2.8010426	21	8 24.9	21.2
493529 2015 FT_{73}	18.2	X	297.82879	227.34505	5.86563	3.21587	0.1080141	0.29858811	2.2169422	21	1 8.2	21.0
493530 2015 FS_{77}	16.8	X	252.61861	270.26747	142.18762	2.75571	0.0606536	0.20337915	2.8637280	21	7 25.4	20.6
493531 2015 FF_{112}	13.8	X	17.68651	25.50247	338.05367	6.56747	0.0355489	0.08097451	5.2913988	21	10 23.4	20.6
493532 2015 FJ_{115}	13.6	X	313.98205	44.41488	37.73095	16.53759	0.0292150	0.08380446	5.1715965	21	11 6.1	20.3
493533 2015 FJ_{181}	14.4	X	52.20239	293.40514	30.45923	5.16284	0.0370585	0.08221553	5.2380157	21	10 22.4	21.3
493534 2015 FU_{206}	14.2	X	15.21121	158.87864	196.13110	7.20267	0.0300234	0.08239812	5.2302751	21	10 13.5	20.8
493535 2015 FJ_{227}	14.3	X	23.39673	320.74091	32.30538	5.72338	0.0533460	0.08447864	5.1440450	21	10 22.8	21.0
493536 2015 FQ_{292}	16.3	X	111.41609	290.34761	202.31244	8.32883	0.1421955	0.18413013	3.0599863	21	6 4.4	21.0
493537 2015 FB_{332}	17.8	X	195.02345	345.75658	271.12070	0.70358	0.1584415	0.26362129	2.4088831	21	—	—
493538 2015 GM_{3}	18.2	X	240.65268	286.82408	222.82453	2.39260	0.0796934	0.24611836	2.5217772	21	11 16.9	21.4
493539 2015 GB_{4}	17.6	X	237.70619	228.20985	339.72482	2.79932	0.1490407	0.26530394	2.3986870	21	—	—
493540 2015 GG_{28}	17.2	X	244.65593	84.44073	5.45911	2.75877	0.1730294	0.22672535	2.6636020	21	8 21.1	21.1
493541 2015 GE_{36}	17.0	X	144.80368	322.63204	172.93656	5.76009	0.1313741	0.19660754	2.9291117	21	7 10.6	21.7
493542 2015 GJ_{50}	18.0	X	181.71380	151.36584	129.54743	2.51560	0.1620855	0.25671027	2.4519252	21	—	—
493543 2015 HH_{19}	16.3	X	47.48884	62.83931	200.48257	7.69651	0.0918710	0.20207575	2.8760289	21	8 20.8	20.2
493544 2015 HQ_{20}	17.0	X	94.68657	286.04729	31.75755	11.16711	0.0572079	0.24708877	2.5151702	21	—	—
493545 2015 HD_{26}	16.7	X	348.99685	101.89234	197.51344	13.39975	0.1283070	0.18765793	3.0215151	21	7 5.9	20.5
493546 2015 HZ_{26}	17.1	X	67.51837	261.60650	40.22668	8.96110	0.1808607	0.22038954	2.7144097	21	11 21.0	21.1
493547 2015 HL_{56}	17.1	X	111.26579	53.83460	269.80083	10.48904	0.2478112	0.23845740	2.5755037	21	—	—
493548 2015 HB_{62}	17.7	X	273.05614	163.45877	17.60712	3.46979	0.1196934	0.26921663	2.3753893	21	—	—
493549 2015 HE_{148}	17.7	X	205.99051	235.54149	36.18049	1.63505	0.1640222	0.27031119	2.3689726	21	—	—
493550 2015 HP_{174}	17.2	X	223.96961	273.41866	344.24342	5.43896	0.1936013	0.27379242	2.3488490	21	—	—
493551 2015 HC_{175}	15.9	X	60.98850	157.54103	27.58623	13.12185	0.0932522	0.17724406	3.1387370	21	5 27.7	20.2
493552 2015 HA_{179}	15.8	X	15.95274	344.12398	255.95598	5.04498	0.1436373	0.17707563	3.1407270	21	6 5.2	19.1
493553 2015 JQ_{2}	16.5	X	139.54924	355.09159	250.51915	12.30352	0.1399157	0.22786843	2.6546867	21	11 21.0	20.8
493554 2015 JL_{5}	16.7	X	129.13645	335.13932	267.54999	13.70228	0.0781469	0.22282765	2.6945732	21	11 1.9	21.0
493555 2015 JH_{9}	18.2	X	276.06127	268.42996	34.76079	5.49723	0.2480346	0.30193935	2.2005078	21	3 4.3	21.6
493556 2015 KT_{4}	17.2	X	109.79784	294.10750	359.44318	8.94367	0.1600683	0.23923210	2.5699406	21	12 24.2	21.4
493557 2015 KO_{5}	16.2	X	122.18762	236.97388	285.06751	1.50997	0.0456197	0.19655153	2.9296681	21	7 12.3	20.4
493558 2015 KQ_{5}	15.8	X	105.95227	240.88032	225.93570	4.43289	0.1505952	0.17149893	3.2084487	21	4 27.9	20.4
493559 2015 KW_{5}	16.5	X	145.06785	351.06256	233.20806	12.05916	0.2279495	0.22878043	2.6476270	21	11 1.1	21.2
493560 2015 KL_{19}	16.6	X	282.81104	109.51170	259.78398	8.34534	0.0405531	0.18006642	3.1058530	21	7 9.9	20.9
493561 2015 KU_{19}	17.9	X	274.96229	196.82076	332.17993	1.82636	0.1328526	0.25679572	2.4513813	21	—	—
493562 2015 KO_{20}	16.1	X	29.16374	33.33003	204.00921	4.73256	0.0987265	0.17204955	3.2015996	21	6 21.2	20.2
493563 2015 KE_{21}	17.0	X	22.25586	28.97831	278.76335	2.96491	0.0662217	0.19717969	2.9234428	21	9 9.3	20.8
493564 2015 KB_{38}	17.2	X	204.78289	8.78460	211.23557	7.45277	0.1404260	0.24435157	2.5339184	21	12 24.9	20.9
493565 2015 KC_{38}	16.9	X	43.84796	144.68398	192.01563	5.64255	0.0401352	0.21946465	2.7220306	21	11 18.1	20.5
493566 2015 KW_{40}	16.3	X	312.19579	246.27395	76.13411	12.32822	0.0675361	0.17248795	3.1961724	21	6 15.9	20.5
493567 2015 KF_{42}	17.7	X	237.87721	251.05320	74.31934	5.71889	0.1727029	0.29555103	2.2321039	21	3 3.9	21.2
493568 2015 KF_{43}	16.8	X	295.91375	184.24621	241.75898	5.71044	0.0567442	0.21400610	2.7681224	21	10 9.8	20.5
493569 2015 KM_{45}	16.3	X	334.92835	265.50973	76.12701	12.02586	0.1150505	0.18718606	3.0265908	21	8 16.2	20.1
493570 2015 KS_{45}	15.6	X	257.65516	175.51308	98.71238	3.92616	0.1716246	0.12426245	3.9771879	21	2 8.2	21.6
493571 2015 KH_{48}	16.5	X	45.53749	16.00459	218.78484	7.88764	0.1287197	0.17769789	3.1333906	21	7 15.4	20.6
493572 2015 KD_{127}	16.8	X	128.91128	177.00201	69.84975	5.12895	0.2467490	0.22253519	2.6969336	21	11 16.5	21.5
493573 2015 KB_{137}	16.2	X	37.95314	197.03485	56.07687	7.23432	0.0999826	0.18451093	3.0557746	21	7 28.6	20.1
493574 2015 KB_{139}	16.0	X	356.09811	221.87387	59.54920	12.09989	0.0941543	0.17681116	3.1438581	21	6 26.1	20.0
493575 2015 KY_{142}	15.9	X	332.20009	84.08690	249.64480	14.40782	0.1343284	0.18336925	3.0684452	21	7 20.8	19.8
493576 2015 KE_{143}	17.2	X	148.20961	209.93257	51.24994	3.87680	0.1487171	0.23391858	2.6087126	21	12 18.4	21.4
493577 2015 KG_{143}	18.2	X	290.65821	213.77690	325.36843	0.64998	0.1240219	0.26835425	2.3804756	21	—	—
493578 2015 KZ_{144}	16.6	X	52.07548	337.03302	236.54932	4.06487	0.0824551	0.17687892	3.1430551	21	6 22.6	20.8
493579 2015 KE_{154}	16.8	X	48.33839	236.93451	48.70326	2.59082	0.1368723	0.19688958	2.9263138	21	9 30.4	20.6
493580 2015 LA_{6}	17.2	X	167.18345	345.06514	278.66337	9.22843	0.0948350	0.24605047	2.5222410	21	—	—
493581 2015 LS_{8}	17.4	X	185.23360	295.09722	13.23661	4.49695	0.1248772	0.26990934	2.3713233	21	—	—
493582 2015 LT_{31}	15.9	X	331.24573	67.71479	291.13868	8.21923	0.1000781	0.17434988	3.1733766	21	8 25.5	19.9
493583 2015 LZ_{36}	17.8	X	250.99278	55.73727	159.21251	2.06354	0.1511742	0.26622527	2.3931497	21	—	—
493584 2015 LJ_{37}	17.5	X	253.43586	134.73203	77.33796	6.57789	0.0559383	0.26500262	2.4005050	21	—	—
493585 2015 MU	16.7	X	82.64100	174.30431	102.42348	6.40999	0.1255042	0.21021407	2.8013123	21	11 2.2	20.8
493586 2015 MV	18.1	X	269.32544	20.41428	220.37438	3.78052	0.1122283	0.28063875	2.3104910	21	—	—
493587 2015 MU_{7}	15.8	X	280.19899	128.60027	287.17788	9.56560	0.0723525	0.17661428	3.1461940	21	8 27.5	20.2
493588 2015 MK_{20}	16.2	X	91.84579	162.55824	41.97496	10.82160	0.0166306	0.19082985	2.9879398	21	7 28.4	20.5
493589 2015 MS_{21}	16.8	X	120.41664	1.36158	267.65284	5.31940	0.1421859	0.22732871	2.6588868	21	12 1.6	21.1
493590 2015 MV_{21}	16.1	X	341.40889	64.03897	250.15329	8.28653	0.0687458	0.18639563	3.0351412	21	7 16.6	20.0
493591 2015 MD_{25}	16.3	X	161.87827	267.00682	250.43934	13.66695	0.0941675	0.20407233	2.8572394	21	8 17.6	21.0
493592 2015 MC_{28}	16.2	X	226.61676	136.80761	285.52172	8.89319	0.0700372	0.18712847	3.0272117	21	7 5.8	20.5
493593 2015 MB_{51}	16.8	X	33.00029	357.60430	335.50824	5.82164	0.2881373	0.18522373	3.0479299	21	11 27.1	20.8
493594 2015 MD_{65}	16.3	X	35.43647	347.29764	310.77163	8.03758	0.0831351	0.18069210	3.0986792	21	9 14.2	20.4
493595 2015 ML_{70}	16.3	X	326.54138	111.33298	253.89083	10.22195	0.1118122	0.17546613	3.1599038	21	8 23.6	20.5
493596 2015 MS_{75}	16.6	X	358.01146	63.10216	276.98509	9.90798	0.0565198	0.18075223	3.0979919	21	9 9.9	20.9
493597 2015 MQ_{76}	17.3	X	53.08944	188.41335	213.94451	4.85963	0.1273226	0.23035199	2.6355711	21	—	—
493598 2015 MW_{76}	16.4	X	27.90263	70.01315	257.29907	8.61073	0.1087249	0.18801270	3.0177129	21	10 15.5	20.4
493599 2015 MU_{83}	16.5	X	60.72559	12.05132	262.78344	8.08202	0.0622991	0.18089100	3.0964072	21	9 15.0	20.9
493600 2015 MS_{89}	16.4	X	341.25450	135.60658	239.68689	17.38671	0.1447035	0.18316448	3.0707317	21	9 30.6	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493601 2015 MO_{91}	17.1	X	58.57671	128.63234	199.33140	14.02090	0.2766227	0.18990144	2.9976704	21	12 20.2	21.9
493602 2015 MP_{92}	17.6	X	146.79030	189.89063	103.13740	4.92562	0.1810722	0.24291305	2.5439124	21	—	—
493603 2015 MN_{95}	17.0	X	8.12522	254.34713	184.72203	3.56008	0.1337722	0.23108981	2.6299582	21	—	—
493604 2015 MD_{104}	15.8	X	323.85214	75.08422	288.63216	14.39826	0.0972732	0.17414528	3.1758617	21	8 18.1	20.0
493605 2015 ME_{114}	16.8	X	22.16583	125.43628	226.20304	9.01335	0.1027164	0.19296598	2.9658480	21	11 10.5	20.6
493606 2015 MG_{123}	16.4	X	342.86389	98.12223	275.71968	16.10188	0.3684656	0.17129977	3.2109352	21	9 20.8	19.2
493607 2015 MO_{123}	16.5	X	59.36521	38.74240	268.01582	9.13761	0.0933667	0.19212912	2.9744540	21	10 31.0	20.8
493608 2015 MZ_{125}	16.0	X	324.94603	56.32919	308.68454	9.86962	0.0709024	0.17346708	3.1841340	21	8 26.5	20.2
493609 2015 NH_{8}	15.9	X	346.08356	77.10258	269.89194	9.41370	0.0640892	0.17482840	3.1675834	21	9 1.4	20.3
493610 2015 NY_{8}	16.5	X	314.86134	153.11374	299.27977	11.38981	0.0689686	0.20956542	2.8070898	21	12 10.9	20.2
493611 2015 NU_{9}	17.8	X	174.32126	105.00869	282.58114	9.49937	0.2658631	0.27021978	2.3695068	21	3 23.5	22.1
493612 2015 OC	17.1	X	42.36952	297.97422	76.20253	5.03589	0.1008209	0.21439284	2.7647924	21	—	—
493613 2015 OR_{9}	16.6	X	318.71852	172.39927	249.57672	8.20994	0.0347481	0.19733884	2.9218707	21	11 5.5	20.5
493614 2015 OZ_{11}	16.0	X	275.28967	129.95962	308.25035	13.61248	0.0716048	0.18335933	3.0685559	21	9 16.6	20.4
493615 2015 OD_{15}	16.4	X	333.85201	51.33229	335.54673	9.56354	0.0826650	0.18436616	3.0573741	21	10 6.7	20.3
493616 2015 OC_{19}	15.7	X	108.34422	353.05864	263.34860	15.40536	0.1225145	0.19071300	2.9891602	21	10 26.6	20.5
493617 2015 OG_{20}	16.5	X	14.72116	86.32393	260.08553	8.43271	0.2351630	0.17828100	3.1265546	21	11 4.7	20.0
493618 2015 ON_{41}	17.4	X	56.63786	114.86759	332.67085	11.43862	0.1864735	0.23095009	2.6310188	21	1 14.8	20.0
493619 2015 OK_{70}	16.7	X	58.06992	96.40947	278.04436	5.47493	0.0499033	0.22069368	2.7119153	21	—	—
493620 2015 OC_{76}	16.1	X	346.44661	226.12030	175.47119	16.90685	0.2095403	0.17533350	3.1614971	21	11 23.8	19.7
493621 2015 PH_{9}	17.8	X	133.43341	310.06289	45.61181	4.42123	0.3519450	0.23287540	2.6164974	21	1 29.4	22.0
493622 2015 PV_{9}	16.6	X	76.40492	82.55622	249.95849	11.66034	0.2043748	0.20391464	2.8587123	21	—	—
493623 2015 PE_{21}	16.6	X	43.64979	307.78370	58.37892	9.21013	0.0421149	0.21151063	2.7898525	21	12 22.2	20.4
493624 2015 PX_{24}	17.0	X	21.09239	287.42342	52.58432	4.01626	0.1173855	0.18762983	3.0218168	21	10 26.6	20.7
493625 2015 PL_{29}	16.9	X	67.29085	131.78110	203.07430	7.02666	0.1575152	0.20138652	2.8825872	21	12 25.3	21.2
493626 2015 PG_{34}	18.2	X	44.42635	193.89325	170.09000	22.36937	0.0959985	0.36773301	1.9295127	21	—	—
493627 2015 PW_{35}	17.2	X	87.55536	332.25893	22.05065	5.67819	0.0379144	0.22139872	2.7061549	21	—	—
493628 2015 PT_{41}	16.6	X	36.34003	303.84156	11.63023	10.02773	0.0780252	0.18036468	3.1024280	21	10 9.8	20.7
493629 2015 PU_{48}	17.3	X	73.35391	328.81245	19.63413	4.51265	0.0808889	0.21058528	2.7980193	21	—	—
493630 2015 PY_{48}	17.0	X	105.80247	284.12213	31.35447	4.75117	0.0591033	0.21209377	2.7847365	21	—	—
493631 2015 PA_{69}	16.9	X	329.75276	146.53148	305.27371	8.45227	0.0646717	0.21839838	2.7308831	21	—	—
493632 2015 PW_{75}	16.4	X	319.07714	63.93791	312.17015	10.80253	0.1416223	0.17185388	3.2040293	21	8 25.3	20.3
493633 2015 PQ_{95}	16.0	X	14.90333	193.54797	137.05735	4.80294	0.1126580	0.18023874	3.1038731	21	10 4.4	19.8
493634 2015 PO_{115}	17.0	X	84.01570	253.81610	73.71454	2.86773	0.0736075	0.21097576	2.7945658	21	12 27.3	21.0
493635 2015 PZ_{124}	18.0	X	18.32106	290.08833	61.50407	2.86013	0.2360648	0.18518052	3.0484039	21	11 21.3	21.5
493636 2015 PG_{141}	18.0	X	96.46519	53.14504	331.72618	11.03453	0.3093433	0.22905991	2.6454729	21	1 20.8	21.1
493637 2015 PB_{179}	17.3	X	110.91365	242.13694	65.44479	5.28886	0.0628508	0.21177640	2.7875179	21	12 31.9	21.5
493638 2015 PD_{221}	16.8	X	186.19398	5.45083	236.55490	8.96250	0.1459552	0.21718799	2.7410199	21	12 27.3	21.2
493639 2015 PL_{239}	16.1	X	351.59833	33.66980	315.15292	9.61007	0.0684542	0.17724755	3.1386958	21	9 13.4	20.2
493640 2015 PA_{253}	17.8	X	136.72092	54.63016	17.44652	7.09938	0.1144019	0.27528662	2.3403419	21	4 5.3	21.0
493641 2015 PJ_{263}	16.5	X	46.48450	329.59934	310.56346	5.23045	0.1211772	0.17641757	3.1485324	21	9 13.1	20.6
493642 2015 PM_{294}	17.8	X	61.33934	322.27911	348.12303	18.30971	0.1005188	0.34978564	1.9949625	21	12 4.6	20.6
493643 2015 PR_{302}	17.5	X	100.58777	274.04141	129.99908	13.57533	0.2769126	0.23274071	2.6175068	21	2 13.1	20.8
493644 2015 QE_{7}	17.1	X	70.66244	47.49464	322.77398	6.79691	0.1370536	0.21556341	2.7547743	21	—	—
493645 2015 QL_{9}	17.7	X	140.19614	189.74690	170.56508	5.94747	0.3099861	0.23304742	2.6152097	21	2 2.9	22.0
493646 2015 RM	18.5	X	206.24140	65.12280	322.88447	1.80251	0.2123573	0.28002137	2.3138858	21	4 21.0	22.3
493647 2015 RB_{3}	16.5	X	114.63668	348.44034	336.17963	11.35889	0.0655756	0.21723750	2.7406034	21	—	—
493648 2015 RX_{16}	18.7	X	222.23510	87.92510	288.35930	3.68410	0.1716356	0.28123582	2.3072198	21	4 20.2	22.3
493649 2015 RS_{21}	18.0	X	137.45654	109.07021	319.84103	6.13420	0.0913517	0.26883403	2.3776425	21	3 27.6	21.2
493650 2015 RU_{23}	16.8	X	58.34899	84.94638	340.65412	15.76288	0.1986582	0.22436926	2.6822164	21	—	—
493651 2015 RY_{25}	16.1	X	88.57601	320.96706	319.55750	11.21955	0.1412263	0.18557953	3.0440328	21	11 4.7	20.9
493652 2015 RW_{27}	17.5	X	118.08187	33.78301	13.70246	4.38166	0.2549177	0.23429115	2.6059463	21	3 7.1	21.1
493653 2015 RJ_{31}	18.0	X	194.55253	24.09718	50.24848	5.27982	0.1618277	0.28993819	2.2608189	21	6 10.4	21.5
493654 2015 RY_{37}	17.9	X	181.13240	108.99786	255.60334	1.06691	0.2388523	0.25941801	2.4348337	21	3 5.3	22.1
493655 2015 RF_{50}	18.0	X	351.64147	241.84136	309.99091	4.45090	0.0438311	0.25826770	2.4420581	21	2 11.0	20.9
493656 2015 RN_{53}	17.8	X	313.30578	26.77689	214.24163	2.95134	0.0644883	0.26400210	2.4065661	21	2 18.7	20.8
493657 2015 RP_{83}	18.0	X	283.61074	288.64562	191.45366	21.60607	0.0709112	0.36536530	1.9378397	21	—	—
493658 2015 RU_{84}	15.9	X	70.22490	32.49981	242.82896	16.69825	0.1908052	0.17808141	3.1288902	21	10 15.9	20.6
493659 2015 RU_{86}	18.0	X	192.72331	73.13069	292.90929	8.01684	0.2672267	0.26359677	2.4090325	21	3 12.9	22.4
493660 2015 RV_{89}	17.6	X	220.55702	48.98294	321.73318	9.30578	0.2443377	0.27452442	2.3446718	21	4 7.1	21.7
493661 2015 RK_{90}	18.1	X	220.36606	170.17313	183.08575	1.01134	0.1947579	0.26949903	2.3737296	21	3 22.3	21.9
493662 2015 RV_{93}	17.2	X	155.49633	108.42440	349.50207	8.26618	0.0763293	0.29163351	2.2520487	21	5 26.3	20.3
493663 2015 RW_{96}	18.3	X	219.52151	346.88041	30.72582	2.76782	0.2133184	0.28196917	2.3032176	21	4 19.8	22.0
493664 2015 RL_{98}	17.0	X	134.54600	251.13399	171.61831	6.76595	0.1375914	0.26010798	2.4305260	21	3 26.5	20.4
493665 2015 RC_{101}	17.6	X	89.50363	20.42057	354.14030	13.56843	0.1918141	0.21921226	2.7241195	21	—	—
493666 2015 RL_{102}	17.0	X	92.82079	64.30858	342.08315	30.18134	0.2147670	0.23513558	2.5997035	21	2 5.7	20.5
493667 2015 RF_{108}	17.8	X	51.10698	331.66538	13.68515	20.90960	0.0886430	0.35632836	1.9704668	21	—	—
493668 2015 RT_{108}	15.9	X	337.31415	60.05957	24.76048	16.56365	0.2364828	0.18129641	3.0917895	21	—	—
493669 2015 RT_{114}	18.7	X	214.62005	347.00164	30.25936	6.26935	0.2487580	0.27859658	2.3217682	21	4 15.1	22.8
493670 2015 RV_{122}	17.0	X	82.85908	268.34184	143.19836	13.53513	0.1802453	0.22850947	2.6497196	21	1 10.9	20.0
493671 2015 RR_{123}	18.1	X	196.17774	33.08392	323.09032	0.65831	0.2005087	0.26208018	2.4183172	21	3 6.2	22.2
493672 2015 RK_{191}	17.4	X	208.03950	260.87111	26.03043	3.62851	0.1422083	0.23848142	2.5753308	21	—	—
493673 2015 RU_{193}	17.8	X	103.54307	229.74097	180.09511	3.46189	0.1977998	0.23289818	2.6163268	21	2 10.5	21.1
493674 2015 RT_{213}	18.3	X	189.62266	8.52319	3.03261	2.15550	0.2159358	0.26464975	2.4026383	21	3 19.9	22.2
493675 2015 RP_{222}	17.3	X	72.53863	283.76026	172.21659	4.87941	0.2207399	0.23283129	2.6168278	21	2 28.4	19.9
493676 2015 RR_{222}	18.5	X	172.18191	314.46971	159.72439	1.94543	0.1550973	0.29175842	2.2514058	21	7 12.2	21.9
493677 2015 RR_{229}	17.7	X	132.11034	61.62443	33.71563	5.78079	0.0630106	0.26796518	2.3827792	21	4 25.1	20.8
493678 2015 RT_{232}	16.8	X	31.20023	76.93586	40.25609	11.32342	0.1658366	0.22508548	2.6765235	21	1 4.7	19.7
493679 2015 RA_{236}	17.3	X	41.28842	297.20310	134.04735	10.10611	0.1344066	0.20466680	2.8517040	21	—	—
493680 2015 RR_{236}	17.9	X	189.46664	263.93255	130.77617	7.65009	0.1091804	0.26286411	2.4135068	21	4 18.8	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493681 2015 RY_{236}	17.4	X	200.68693	299.97904	89.82157	7.89040	0.1019277	0.26612834	2.3937307	21	4 23.9	21.0
493682 2015 RM_{238}	17.0	X	123.23863	273.83964	154.00850	12.88985	0.1428294	0.24168859	2.5524973	21	3 24.7	20.6
493683 2015 RU_{243}	17.8	X	261.41200	330.32243	50.83604	4.40117	0.1151040	0.29680875	2.2257937	21	6 15.6	20.4
493684 2015 SU_{1}	16.0	X	294.65046	134.04280	320.37767	13.78649	0.2410261	0.17233260	3.1980930	21	10 7.9	20.2
493685 2015 SD_{5}	17.8	X	166.94341	186.79455	214.60734	8.33319	0.1599269	0.26259846	2.4151342	21	4 2.0	21.6
493686 2015 SR_{15}	18.0	X	185.75697	122.76377	250.08377	2.56612	0.2433835	0.26130972	2.4230684	21	3 18.2	22.1
493687 2015 SD_{17}	17.7	X	116.11882	328.86702	334.03294	23.42726	0.1219241	0.36833935	1.9273946	21	—	—
493688 2015 SH_{19}	17.3	X	120.97441	249.62442	163.75219	8.12663	0.1933778	0.23908538	2.5709919	21	3 8.2	20.7
493689 2015 TV_{2}	17.9	X	120.45900	210.95459	258.67989	4.23197	0.0718869	0.26828087	2.3809096	21	4 29.8	20.9
493690 2015 TE_{25}	17.0	X	77.08939	8.23239	91.55652	14.17449	0.0886538	0.24459526	2.5322351	21	2 26.2	20.3
493691 2015 TV_{25}	17.6	X	106.71356	95.28061	8.85530	10.62534	0.2210780	0.25719758	2.4488272	21	4 25.5	21.1
493692 2015 TB_{26}	17.2	X	59.08250	176.45268	1.24561	6.81815	0.0397213	0.28140528	2.3062934	21	4 30.0	19.8
493693 2015 TW_{26}	17.4	X	195.17127	151.28827	265.25749	5.44161	0.0703207	0.28344283	2.2952275	21	5 18.6	20.4
493694 2015 TY_{26}	18.3	X	139.00911	51.03911	308.13531	4.48189	0.2867385	0.23451958	2.6042538	21	1 30.1	22.3
493695 2015 TK_{43}	18.1	X	241.95158	115.64991	291.46542	2.13289	0.1347474	0.29824484	2.2186430	21	6 25.9	20.8
493696 2015 TL_{47}	17.6	X	58.98408	230.86735	197.18713	13.66131	0.2529571	0.21921316	2.7241121	21	—	—
493697 2015 TM_{70}	18.0	X	293.71295	14.44698	3.24076	6.19017	0.0769208	0.30451388	2.1880874	21	8 8.5	20.2
493698 2015 TS_{71}	17.6	X	278.36983	275.23111	17.59168	1.72617	0.1787048	0.26433438	2.4045489	21	3 2.6	21.1
493699 2015 TZ_{71}	16.6	X	10.00133	17.08765	29.15968	11.28248	0.1726247	0.17958689	3.1113793	21	—	—
493700 2015 TA_{72}	17.0	X	354.08729	247.08050	228.26246	7.94305	0.2884225	0.19129239	2.9831213	21	—	—
493701 2015 TS_{74}	18.0	X	25.87260	22.09384	214.77134	5.44885	0.0595501	0.28091893	2.3089545	21	6 8.8	20.4
493702 2015 TD_{75}	16.8	X	298.50206	93.19243	43.70939	11.34477	0.0888837	0.18453044	3.0555593	21	—	—
493703 2015 TP_{75}	18.7	X	242.73908	308.53815	42.67266	2.57431	0.2164617	0.27481425	2.3430230	21	4 7.4	22.3
493704 2015 TJ_{81}	16.2	X	192.19725	301.97110	37.09756	29.06537	0.1496414	0.24071270	2.5593914	21	2 28.7	20.9
493705 2015 TC_{83}	17.2	X	144.51917	1.30575	39.44046	6.38855	0.1203845	0.24079645	2.5587980	21	3 11.9	20.9
493706 2015 TB_{87}	18.0	X	106.77754	8.82574	201.91872	6.62736	0.1328810	0.30083600	2.2058849	21	9 10.1	21.1
493707 2015 TD_{101}	17.4	X	102.04480	255.19360	161.71855	6.22361	0.2312477	0.22548541	2.6733578	21	2 24.7	21.0
493708 2015 TN_{107}	16.6	X	82.45089	42.49113	60.57179	22.78477	0.0409626	0.23554655	2.5966787	21	3 14.9	20.5
493709 2015 TP_{108}	17.1	X	42.11604	286.00228	176.99966	9.13595	0.1687926	0.21021601	2.8012950	21	1 9.6	20.1
493710 2015 TG_{109}	17.8	X	270.45972	214.45692	152.21429	7.55055	0.1300833	0.28642563	2.2792649	21	6 6.3	20.8
493711 2015 TP_{111}	18.2	X	62.47326	82.81925	169.65519	5.37028	0.0598864	0.29822233	2.2187546	21	9 1.3	20.7
493712 2015 TB_{112}	17.4	X	40.06711	317.14778	194.32819	7.27008	0.1793834	0.22676499	2.6632916	21	3 11.1	19.9
493713 2015 TK_{112}	17.5	X	114.35638	274.60330	139.58362	6.93737	0.2081653	0.22790315	2.6544171	21	3 6.2	21.2
493714 2015 TQ_{119}	17.0	X	116.48303	250.02017	125.42902	15.94819	0.1593321	0.21071291	2.7968894	21	1 14.2	20.9
493715 2015 TL_{120}	16.7	X	87.30544	280.07359	190.23205	21.64699	0.0822885	0.23219735	2.6215886	21	3 21.9	20.0
493716 2015 TL_{121}	17.0	X	150.84930	213.91911	147.96282	15.41155	0.1795373	0.22285813	2.6943276	21	2 3.7	21.3
493717 2015 TG_{125}	17.5	X	30.67039	0.43113	113.15432	9.05698	0.1739045	0.21514855	2.7583144	21	—	—
493718 2015 TQ_{137}	17.7	X	179.21204	294.47446	138.55247	8.55084	0.0899185	0.27158600	2.3615535	21	5 26.3	21.2
493719 2015 TE_{147}	17.8	X	116.83699	69.36631	206.04867	22.12270	0.0084474	0.34759285	2.0033438	21	12 21.6	20.5
493720 2015 TB_{149}	18.8	X	235.67221	177.36889	194.82101	2.87705	0.2486899	0.28365548	2.2940802	21	4 25.3	22.7
493721 2015 TG_{150}	17.5	X	126.98904	280.04735	191.71724	10.17346	0.1506517	0.27322658	2.3520908	21	5 23.8	20.9
493722 2015 TB_{153}	18.0	X	155.24330	239.79296	165.84150	1.31789	0.1825073	0.25712391	2.4492949	21	3 30.9	21.7
493723 2015 TN_{158}	18.3	X	89.43213	121.99399	193.88727	21.49559	0.0761362	0.36230487	1.9487372	21	—	—
493724 2015 TZ_{158}	16.9	X	98.58701	93.53816	197.65320	9.64108	0.2592685	0.19229438	2.9727496	21	12 11.7	22.1
493725 2015 TX_{165}	17.4	X	106.71742	347.29240	39.63494	9.86218	0.2418946	0.22266530	2.6958828	21	1 29.4	21.1
493726 2015 TQ_{169}	16.8	X	70.09143	10.21343	65.73080	10.07081	0.0626632	0.22387967	2.6861253	21	1 12.1	20.2
493727 2015 TC_{170}	17.9	X	329.87233	254.56900	73.99485	6.85391	0.1423165	0.30644131	2.1789027	21	7 16.5	19.5
493728 2015 TN_{170}	17.9	X	228.65911	273.71288	111.68541	4.25870	0.1539841	0.27947300	2.3169117	21	5 12.6	21.4
493729 2015 TA_{173}	16.8	X	81.40828	39.50843	49.89092	12.15856	0.1703247	0.23044149	2.6348886	21	3 6.7	20.1
493730 2015 TM_{175}	17.5	X	209.55442	147.71287	190.39363	14.33914	0.0694950	0.24584136	2.5236711	21	2 21.7	21.4
493731 2015 TO_{177}	17.4	X	250.02599	297.08251	74.45036	7.55849	0.1303231	0.28318820	2.2966031	21	5 18.4	20.5
493732 2015 TP_{177}	17.8	X	195.01003	0.50846	16.27398	25.71643	0.2407277	0.27040677	2.3684143	21	4 1.7	21.8
493733 2015 TU_{177}	17.8	X	219.06762	255.45419	169.89951	7.16524	0.0586933	0.29426534	2.2386007	21	6 30.9	20.8
493734 2015 TK_{193}	17.7	X	236.94539	30.76096	0.45017	7.10518	0.1570002	0.29096981	2.2554720	21	5 24.9	21.2
493735 2015 TP_{195}	16.9	X	83.56910	160.72584	255.94452	9.97546	0.1602211	0.22552653	2.6730328	21	1 15.3	20.1
493736 2015 TU_{195}	16.9	X	114.29301	33.36822	31.06894	13.87705	0.1930257	0.23777555	2.5804251	21	3 20.0	20.6
493737 2015 TL_{198}	18.1	X	243.83065	354.25035	352.76638	3.99494	0.1713010	0.27575737	2.3376777	21	4 4.3	21.8
493738 2015 TJ_{200}	17.0	X	195.65756	349.76883	314.42606	6.56574	0.1923816	0.23803602	2.5785423	21	1 6.3	21.2
493739 2015 TV_{201}	16.2	X	332.71280	66.73829	9.58892	25.96398	0.2029774	0.17502462	3.1652155	21	11 30.0	20.1
493740 2015 TR_{202}	17.2	X	89.62592	257.75650	186.44728	10.35312	0.2536996	0.23121563	2.6290040	21	3 17.7	20.3
493741 2015 TO_{203}	18.3	X	78.86125	169.39340	209.26537	21.65684	0.0869126	0.37814342	1.8939348	21	—	—
493742 2015 TB_{204}	17.8	X	178.82186	2.00645	32.95956	7.14315	0.1484223	0.26012318	2.4304313	21	4 7.6	21.4
493743 2015 TE_{205}	18.2	X	232.88335	225.96015	131.57143	2.12096	0.1958683	0.27196140	2.3593799	21	4 8.3	21.9
493744 2015 TQ_{214}	18.4	X	192.00200	148.59832	211.18592	2.14987	0.1819576	0.25925111	2.4358786	21	3 6.2	22.4
493745 2015 TB_{222}	16.5	X	249.20859	211.72172	25.73822	13.99802	0.2045882	0.23463681	2.6033863	21	—	—
493746 2015 TZ_{224}	15.8	X	340.14264	217.77121	233.61673	22.47720	0.1542052	0.18086696	3.0966816	21	—	—
493747 2015 TM_{234}	15.9	X	331.61969	57.99802	8.18555	26.30033	0.1671172	0.17272669	3.1932267	21	11 11.0	20.0
493748 2015 TN_{243}	17.2	X	95.65360	69.18713	5.53764	6.82644	0.1989670	0.23119243	2.6291800	21	3 7.1	20.4
493749 2015 TS_{249}	16.9	X	123.98953	208.13190	215.72927	14.48469	0.1035660	0.24106510	2.5568966	21	3 7.9	20.6
493750 2015 TZ_{251}	17.8	X	185.92258	215.53620	193.55178	5.75052	0.1622102	0.26821485	2.3813003	21	5 2.1	21.5
493751 2015 TR_{256}	16.7	X	326.11167	98.47656	1.07823	14.67585	0.1872350	0.17281367	3.1921551	21	12 26.5	20.5
493752 2015 TZ_{259}	17.6	X	94.01046	55.04273	23.60305	5.80295	0.2350226	0.23215518	2.6219061	21	3 15.9	20.9
493753 2015 TL_{260}	18.3	X	47.46121	160.46153	217.72029	19.99575	0.0910681	0.36209207	1.9495006	21	—	—
493754 2015 TV_{274}	17.5	X	38.32123	247.75724	205.92339	13.10494	0.0790982	0.22392633	2.6857522	21	—	—
493755 2015 TA_{293}	18.4	X	235.50505	26.70895	17.24757	3.07638	0.1481288	0.29624698	2.2286067	21	6 12.2	21.6
493756 2015 TP_{298}	18.3	X	101.24112	119.87890	232.90706	16.63600	0.1154440	0.37967596	1.8888348	21	—	—
493757 2015 TU_{303}	17.5	X	202.00181	217.83882	162.96312	6.64473	0.1377220	0.26625245	2.3929868	21	4 11.9	21.2
493758 2015 TA_{306}	18.0	X	126.44917	58.26536	52.82610	6.97849	0.0851313	0.26914749	2.3757961	21	5 12.7	21.1
493759 2015 TC_{306}	17.2	X	82.95265	321.75298	133.22031	4.33111	0.1361186	0.23815217	2.5777038	21	3 3.9	20.2
493760 2015 TQ_{311}	16.5	X	89.77674	121.31632	3.31150	13.05967	0.1224074	0.24499057	2.5295104	21	4 15.9	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493761 2015 TO_{314}	18.7	X	260.47101	77.19468	343.87866	5.06719	0.1386603	0.31155954	2.1549739	21	8 10.8	21.1
493762 2015 TY_{319}	18.3	X	59.58259	193.59200	35.97148	4.92773	0.1008135	0.30288191	2.1959401	21	8 2.9	20.6
493763 2015 TH_{321}	16.9	X	192.54241	319.68360	355.09034	9.85182	0.2260278	0.23966791	2.5668242	21	1 19.1	21.4
493764 2015 TY_{336}	17.7	X	203.56334	209.56802	173.82538	5.67163	0.1355350	0.26823507	2.3811807	21	4 16.1	21.2
493765 2015 TB_{337}	17.1	X	85.49486	229.88980	175.37192	9.68793	0.2215563	0.21813146	2.7331104	21	1 15.1	20.4
493766 2015 TY_{345}	17.8	X	149.48788	17.84023	54.21669	5.46920	0.1755767	0.26114277	2.4241010	21	4 27.7	21.3
493767 2015 TY_{348}	17.1	X	210.41326	144.11631	146.77090	4.43806	0.2171532	0.23848939	2.5752734	21	1 2.3	21.5
493768 2015 TJ_{350}	17.8	X	216.71014	34.40784	321.10016	2.97945	0.1356210	0.26588012	2.3952203	21	3 22.1	21.5
493769 2015 UD_{2}	17.1	X	58.54502	229.56515	189.58350	11.34851	0.0767522	0.21606995	2.7504672	21	—	—
493770 2015 UG_{7}	17.5	X	133.14923	301.74340	96.10030	10.55303	0.2109870	0.23908557	2.5709905	21	3 8.6	21.5
493771 2015 UH_{8}	18.1	X	134.80819	325.22323	161.25309	2.98610	0.1389196	0.28132650	2.3067239	21	6 19.1	21.3
493772 2015 UP_{9}	17.2	X	79.30446	98.30002	30.77779	6.92102	0.0808925	0.25903963	2.4372041	21	4 3.3	20.0
493773 2015 UT_{10}	18.5	X	168.42385	9.11012	56.41300	2.16832	0.1375869	0.27004080	2.3705536	21	5 4.5	22.1
493774 2015 UD_{12}	17.6	X	47.38144	258.55818	199.69763	16.66053	0.2900917	0.21800290	2.7341848	21	1 14.7	20.1
493775 2015 UN_{20}	18.5	X	195.83586	63.61358	41.53306	3.41604	0.1224424	0.29825239	2.2186055	21	7 26.7	21.6
493776 2015 UH_{22}	17.6	X	92.71747	299.29309	126.86246	3.07236	0.1987915	0.23058109	2.6338250	21	2 18.7	20.6
493777 2015 UQ_{25}	18.1	X	173.84311	335.36562	134.92247	4.05805	0.0809124	0.29217251	2.2492781	21	7 7.8	21.0
493778 2015 UA_{27}	17.5	X	71.50287	4.52308	80.06367	4.01454	0.2015336	0.22662348	2.6644001	21	2 11.2	20.2
493779 2015 UC_{39}	18.1	X	128.68616	346.44413	93.50682	2.86079	0.1642565	0.25426616	2.4676128	21	4 15.9	21.7
493780 2015 UX_{39}	18.1	X	149.48719	266.30141	152.36188	1.87827	0.1762694	0.25580563	2.4577025	21	4 10.8	21.8
493781 2015 UE_{40}	18.2	X	174.87069	165.81391	176.05665	2.37925	0.2061662	0.24243248	2.5472731	21	2 1.2	22.4
493782 2015 UT_{42}	16.3	X	292.20212	314.23859	190.66574	17.30203	0.1823438	0.18044656	3.1014895	21	12 24.4	20.3
493783 2015 UX_{43}	16.1	X	320.56414	332.16370	146.59183	10.92610	0.1005612	0.18727959	3.0255831	21	—	—
493784 2015 UE_{45}	17.9	X	192.87817	257.87840	146.04538	6.41358	0.0844934	0.26748860	2.3856086	21	5 2.9	21.4
493785 2015 UL_{46}	17.4	X	85.22277	2.68535	81.51615	12.97298	0.1404580	0.22974802	2.6401881	21	2 28.4	20.8
493786 2015 UL_{48}	17.8	X	200.89582	271.56786	124.04195	7.60365	0.0803776	0.26614032	2.3936589	21	5 1.9	21.3
493787 2015 UM_{48}	16.8	X	39.27414	36.46134	73.39300	16.97997	0.2535162	0.21184244	2.7869386	21	1 17.1	19.3
493788 2015 UT_{55}	16.4	X	74.22951	250.58565	192.99963	21.68602	0.0799468	0.23219493	2.6216069	21	1 22.5	20.1
493789 2015 UG_{63}	16.1	X	299.99671	44.80810	76.06596	27.64486	0.2205982	0.17454479	3.1710137	21	12 2.9	19.6
493790 2015 UL_{66}	16.2	X	345.60722	322.61316	100.94160	15.35736	0.2013370	0.17060238	3.2196796	21	12 17.4	19.7
493791 2015 UO_{68}	18.3	X	249.42117	232.06914	166.20369	7.02702	0.0767899	0.29832375	2.2182518	21	6 29.9	21.1
493792 2015 UX_{68}	18.5	X	177.09198	239.41090	175.30962	3.26799	0.1186684	0.26713458	2.3877158	21	4 29.3	21.9
493793 2015 UM_{72}	17.7	X	157.55700	329.91691	71.74791	5.66413	0.1322504	0.25764050	2.4460197	21	3 26.6	21.4
493794 2015 UJ_{80}	16.8	X	339.58837	305.45378	135.21516	15.60319	0.3157427	0.17460775	3.1702515	21	—	—
493795 2015 UV_{81}	16.0	X	319.98561	59.62643	12.04481	25.89800	0.3003730	0.17030790	3.2233900	21	10 19.2	19.2
493796 2015 UP_{83}	17.5	X	30.05161	148.81775	211.36771	21.42458	0.0657877	0.35513750	1.9748693	21	12 30.1	20.2
493797 2015 VZ_{5}	16.8	X	129.79483	213.06585	180.75809	13.75801	0.1767744	0.23522672	2.5990319	21	2 17.3	20.6
493798 2015 VK_{6}	15.7	X	14.48568	358.49040	51.37783	18.75777	0.1879543	0.18125042	3.0923125	21	—	—
493799 2015 VR_{24}	17.2	X	196.67964	327.81183	83.37565	7.74480	0.1105849	0.27221544	2.3579118	21	5 15.7	20.7
493800 2015 VX_{25}	17.3	X	161.39192	345.46813	80.62757	8.57516	0.1985243	0.25850457	2.4405661	21	5 4.8	21.3
493801 2015 VM_{28}	17.6	X	205.61350	101.10453	286.48609	1.81214	0.1010486	0.26893961	2.3770202	21	4 21.8	21.1
493802 2015 VV_{29}	16.2	X	297.68086	194.83649	30.69314	33.59649	0.1453584	0.23354535	2.6114912	21	1 9.5	20.7
493803 2015 VL_{38}	17.0	X	42.68217	92.34480	355.78936	7.63778	0.1460210	0.21276650	2.7788635	21	—	—
493804 2015 VO_{41}	16.8	X	44.48594	56.95481	87.98771	13.54617	0.1349466	0.23488738	2.6015345	21	3 15.2	19.8
493805 2015 VH_{55}	18.3	X	148.42681	266.21193	198.54438	4.56147	0.1105986	0.27590536	2.3368417	21	6 2.7	21.6
493806 2015 VV_{63}	16.7	X	150.47950	144.87849	241.72980	10.78729	0.1933055	0.23821599	2.5772434	21	2 28.2	20.9
493807 2015 VB_{67}	18.1	X	223.57939	315.16408	44.37893	3.40836	0.2031071	0.27135817	2.3628752	21	4 2.6	22.0
493808 2015 VV_{67}	18.0	X	341.16187	245.48422	218.31551	20.74748	0.0640476	0.37681645	1.8983785	21	—	—
493809 2015 VT_{72}	17.3	X	118.91956	359.27758	63.70710	8.60419	0.2984507	0.23320551	2.6140277	21	4 4.4	21.4
493810 2015 VK_{74}	18.3	X	277.10554	281.16336	87.64093	6.14524	0.2382277	0.29677350	2.2259700	21	5 31.7	21.2
493811 2015 VF_{83}	16.9	X	273.42414	122.56408	192.28427	14.78843	0.0040595	0.26450812	2.4034958	21	4 18.4	19.8
493812 2015 VV_{95}	17.1	X	190.73822	151.99419	240.80294	5.65376	0.1252223	0.26088025	2.4257270	21	4 13.0	20.9
493813 2015 VT_{96}	18.3	X	163.66652	243.15965	213.29849	3.79288	0.1403737	0.27121573	2.3637024	21	6 9.8	21.8
493814 2015 VY_{97}	17.2	X	90.97255	221.77390	231.57602	5.77264	0.0686488	0.23712635	2.5851327	21	2 27.9	20.5
493815 2015 VX_{98}	17.5	X	53.35865	117.81077	60.03428	3.32206	0.1340730	0.25550126	2.4596540	21	5 8.3	19.8
493816 2015 VL_{101}	18.1	X	303.41634	265.18857	87.27146	4.94427	0.1163511	0.29784612	2.2206226	21	7 6.7	20.1
493817 2015 VC_{102}	17.3	X	59.06786	353.45437	143.21564	5.51341	0.1288794	0.23871350	2.5736613	21	3 22.2	20.0
493818 2015 VK_{102}	17.5	X	215.77090	347.36312	49.51423	4.86233	0.1141881	0.27273035	2.3549430	21	5 15.3	21.0
493819 2015 VN_{112}	16.5	X	38.65695	77.94595	50.83889	12.76684	0.0362351	0.23165941	2.6256455	21	2 6.0	20.1
493820 2015 VU_{113}	16.9	X	356.11921	260.33099	192.61766	10.27994	0.2834879	0.18132875	3.0914218	21	—	—
493821 2015 VD_{114}	17.4	X	102.88597	113.67975	309.46657	3.93149	0.1851158	0.23301718	2.6154360	21	2 24.9	20.8
493822 2015 VJ_{118}	18.0	X	229.16888	240.64274	148.69009	5.81665	0.1662936	0.27956137	2.3164234	21	5 17.9	21.5
493823 2015 VK_{119}	17.2	X	207.84723	319.65533	59.33563	5.64628	0.1203247	0.26296812	2.4128703	21	4 15.8	20.9
493824 2015 VR_{119}	16.3	X	359.54560	188.45506	239.56750	16.30769	0.2521790	0.18002022	3.1063844	21	—	—
493825 2015 VC_{120}	16.9	X	125.25436	205.10844	211.14531	11.32310	0.1130753	0.23659041	2.5890352	21	3 2.5	20.6
493826 2015 VV_{120}	16.8	X	140.39145	319.83640	90.23617	6.60985	0.1869087	0.24083076	2.5585550	21	3 27.2	20.8
493827 2015 VY_{120}	16.9	X	148.71373	315.50009	82.71676	15.07103	0.1177263	0.23954229	2.5677215	21	3 18.8	21.0
493828 2015 VZ_{122}	17.4	X	196.50760	120.30025	242.58104	13.59230	0.1419809	0.25339150	2.4732880	21	3 8.2	21.6
493829 2015 VB_{124}	16.6	X	128.21072	163.41551	259.41835	10.96734	0.1740621	0.23725063	2.5842298	21	3 20.2	20.6
493830 2015 VC_{127}	16.9	X	167.39114	20.25017	50.96703	12.93086	0.1220202	0.26509305	2.3999590	21	5 10.4	20.4
493831 2015 VA_{129}	16.8	X	114.91700	13.49617	48.82349	10.86778	0.1519014	0.23439496	2.6051768	21	3 12.9	20.5
493832 2015 VF_{129}	17.2	X	118.07708	270.30251	149.42720	12.64072	0.1713480	0.23383944	2.6093011	21	3 12.3	20.8
493833 2015 VL_{129}	16.3	X	358.10254	5.69313	49.83479	13.73204	0.1436481	0.17726729	3.1384628	21	12 24.9	20.2
493834 2015 VS_{131}	16.3	X	349.39381	332.55289	87.46475	10.76454	0.2455469	0.17964060	3.1107591	21	12 26.2	19.3
493835 2015 VT_{133}	17.4	X	229.16975	221.69036	128.30722	3.79180	0.2073018	0.26669780	2.3903221	21	3 27.3	21.3
493836 2015 VT_{136}	16.9	X	99.81090	202.92942	205.41976	13.81487	0.2840383	0.21843283	2.7305959	21	2 16.1	20.7
493837 2015 VO_{141}	17.1	X	205.54706	200.27654	220.42393	5.99220	0.1010648	0.27553651	2.3389267	21	6 6.2	20.4
493838 2015 VT_{146}	17.0	X	46.68129	331.45921	134.13211	14.60048	0.1528257	0.21943038	2.7223140	21	1 19.3	19.8
493839 2015 VK_{150}	16.1	X	6.02980	260.17676	170.31713	15.77071	0.2189883	0.17936873	3.1139017	21	—	—
493840 2015 WP	17.7	X	65.39864	91.06698	113.63110	6.92958	0.0562204	0.28005964	2.3136751	21	6 24.8	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493841 2015 WA_3	18.1	X	207.46148	222.17273	195.64514	5.45302	0.1771838	0.27383162	2.3486248	21	6 2.1	21.9
493842 2015 WK_6	17.0	X	358.41416	261.62764	192.56056	4.93635	0.2063706	0.18586465	3.0409190	21	—	—
493843 2015 WS_6	17.3	X	87.75165	265.16798	215.46734	2.94603	0.1855300	0.23902202	2.5714462	21	4 22.0	20.4
493844 2015 WT_9	16.2	X	337.12957	264.44171	227.88159	4.18300	0.2075758	0.18598505	3.0396064	21	—	—
493845 2015 WF_{15}	16.6	X	3.52735	352.80855	74.52612	12.48245	0.2029286	0.17869793	3.1216895	21	—	—
493846 2015 WT_{15}	17.2	X	116.38955	330.87008	83.23943	14.20371	0.1591275	0.22829959	2.6513433	21	3 7.5	21.2
493847 2015 XA_9	16.5	X	27.06027	317.02729	216.57283	12.31626	0.1310756	0.23477392	2.6023726	21	3 11.1	19.4
493848 2015 XB_{10}	18.2	X	323.20573	172.67873	166.01234	7.87055	0.1767790	0.29852025	2.2172782	21	7 11.6	20.1
493849 2015 XC_{27}	17.6	X	110.68537	265.93478	209.23781	5.27283	0.0812903	0.25370191	2.4712702	21	4 28.5	20.6
493850 2015 XQ_{31}	17.6	X	354.24034	347.98798	211.80453	14.05192	0.0485975	0.24006925	2.5639626	21	2 24.2	21.2
493851 2015 XP_{37}	16.6	X	194.78107	135.43104	156.19559	6.63487	0.0463207	0.20905278	2.8116770	21	—	—
493852 2015 XX_{40}	17.2	X	3.00938	234.56130	193.13615	6.28754	0.1672293	0.18005333	3.1060036	21	—	—
493853 2015 XC_{54}	17.2	X	80.60986	253.78724	213.13738	14.35445	0.1544812	0.22984268	2.6394631	21	3 16.1	20.6
493854 2015 XJ_{56}	18.1	X	80.99045	323.10020	151.09011	3.98006	0.1152209	0.23547609	2.5971967	21	3 24.5	21.2
493855 2015 XC_{57}	16.8	X	207.69423	240.44238	101.17900	12.02093	0.1504948	0.24553802	2.5257492	21	3 4.2	21.0
493856 2015 XJ_{57}	17.1	X	60.10406	28.43979	94.91735	14.70259	0.1922311	0.22570736	2.6716049	21	3 22.8	20.2
493857 2015 XU_{57}	18.0	X	38.34980	174.63457	104.60658	8.79440	0.0301603	0.29998463	2.2100565	21	9 4.1	20.5
493858 2015 XB_{59}	17.7	X	56.12022	289.09688	200.60688	6.15722	0.1418789	0.22754428	2.6572073	21	3 7.2	20.5
493859 2015 XA_{61}	16.3	X	306.03081	36.17583	141.60044	9.67974	0.1338695	0.19577331	2.9374268	21	—	—
493860 2015 XX_{61}	18.0	X	248.09150	176.17604	176.66694	4.86949	0.1293945	0.26762693	2.3847865	21	4 22.4	21.4
493861 2015 XB_{62}	17.7	X	15.38425	143.12415	127.29457	6.75264	0.1605244	0.28611898	2.2808931	21	7 20.5	19.3
493862 2015 XE_{62}	16.8	X	44.90659	250.39897	226.96055	12.16520	0.0910960	0.21797982	2.7343779	21	1 26.2	20.3
493863 2015 XS_{65}	16.9	X	26.90620	160.44232	246.17752	8.19123	0.1532159	0.18299458	3.0726322	21	—	—
493864 2015 XY_{65}	16.6	X	133.12222	129.22151	269.63456	14.08856	0.1122350	0.22985006	2.6394066	21	2 15.6	20.6
493865 2015 XO_{67}	17.3	X	181.21328	239.51424	214.48263	7.97640	0.0577581	0.27742865	2.3282798	21	6 23.4	20.6
493866 2015 XL_{79}	18.0	X	6.90451	203.32621	77.44238	8.15686	0.1270927	0.28688619	2.2768249	21	7 17.8	19.9
493867 2015 XD_{81}	16.3	X	273.19765	71.37010	132.16841	12.98327	0.1447449	0.19122162	2.9838573	21	—	—
493868 2015 XQ_{82}	17.5	X	91.66830	264.56694	193.94008	14.42299	0.0703929	0.23008790	2.6375874	21	3 9.6	20.9
493869 2015 XQ_{91}	17.8	X	153.23138	261.77077	141.81695	3.96987	0.1650736	0.24380791	2.5376839	21	3 27.3	21.6
493870 2015 XW_{97}	17.1	X	179.63277	253.24702	92.41739	8.95134	0.1373391	0.23253296	2.6190656	21	2 9.9	21.2
493871 2015 XA_{101}	17.9	X	317.20887	196.02194	120.74210	6.53480	0.1918764	0.28739027	2.2741617	21	5 24.0	20.2
493872 2015 XQ_{101}	17.2	X	150.34312	227.51458	106.43887	10.09003	0.0365196	0.20558026	2.8432504	21	—	—
493873 2015 XP_{102}	16.3	X	321.27345	270.10559	223.90679	10.98496	0.0976982	0.18413567	3.0599249	21	—	—
493874 2015 XF_{108}	18.3	X	226.82690	206.54464	153.19983	7.11426	0.1337943	0.26064493	2.4271868	21	4 10.6	22.0
493875 2015 XM_{108}	16.9	X	83.11886	252.04298	119.93201	10.46381	0.0790292	0.19329661	2.9624650	21	—	—
493876 2015 XO_{109}	16.9	X	42.97083	308.43374	107.25064	12.62418	0.0634055	0.19109225	2.9852039	21	—	—
493877 2015 XW_{109}	17.2	X	246.42654	139.47206	125.07277	9.34943	0.1111116	0.21656791	2.7462494	21	1 7.2	21.4
493878 2015 XR_{110}	17.4	X	50.57433	121.13382	126.44096	6.35847	0.0886891	0.28663121	2.2781749	21	8 11.3	19.8
493879 2015 XV_{110}	17.3	X	228.62022	235.19587	96.82359	11.48258	0.1096189	0.24571239	2.5245541	21	3 13.9	21.3
493880 2015 XW_{111}	17.5	X	29.55616	334.33624	164.92269	6.22052	0.0825241	0.21903543	2.7255854	21	2 2.9	20.8
493881 2015 XK_{113}	17.9	X	15.71224	84.08137	173.90390	7.16279	0.0840376	0.27960762	2.3161679	21	6 24.7	20.4
493882 2015 XE_{127}	16.8	X	157.46528	352.20007	63.78984	16.04554	0.0802231	0.23457364	2.6038537	21	4 15.8	20.8
493883 2015 XW_{139}	17.7	X	205.53001	326.06049	61.80635	3.42952	0.1715426	0.26237398	2.4165115	21	4 23.4	21.6
493884 2015 XY_{160}	16.7	X	47.11853	300.47565	73.43907	11.55068	0.1490300	0.18050512	3.1008186	21	—	—
493885 2015 XC_{161}	16.8	X	351.19197	235.36967	238.90132	9.42212	0.0846947	0.19248068	2.9708310	21	—	—
493886 2015 XC_{164}	17.1	X	110.10975	312.86155	128.54911	14.68205	0.1302745	0.24192594	2.5508275	21	3 27.3	20.7
493887 2015 XV_{165}	16.6	X	347.60974	277.26561	171.73079	13.50506	0.2691707	0.17425064	3.1745814	21	—	—
493888 2015 XG_{166}	17.3	X	314.08202	10.50184	202.93198	4.30705	0.1006512	0.22074866	2.7114649	21	1 18.3	21.0
493889 2015 XP_{167}	16.9	X	103.21432	202.38188	227.41524	8.35398	0.1734903	0.21322734	2.7748581	21	3 4.8	20.8
493890 2015 XL_{170}	18.2	X	217.83365	355.12066	34.50572	1.80867	0.1916402	0.26918207	2.3755926	21	5 4.9	22.1
493891 2015 XX_{193}	17.9	X	238.52839	66.06500	271.29963	5.08668	0.1220791	0.25634699	2.4542412	21	3 20.7	21.6
493892 2015 XE_{196}	17.2	X	79.98669	170.87387	239.77383	5.14119	0.0603562	0.20504725	2.8481755	21	—	—
493893 2015 XZ_{201}	16.7	X	85.78135	310.23216	73.17586	15.91525	0.1462679	0.20316102	2.8657775	21	—	—
493894 2015 XY_{215}	16.8	X	316.91922	18.49458	91.53723	3.99457	0.0840710	0.17226243	3.1989615	21	12 26.5	20.8
493895 2015 XK_{221}	16.4	X	271.37668	90.85458	85.31578	11.39524	0.1684228	0.17636442	3.1491648	21	—	—
493896 2015 XS_{226}	17.8	X	71.32001	309.51750	244.61062	3.82507	0.0973303	0.26596039	2.3947384	21	6 25.2	20.4
493897 2015 XZ_{230}	16.5	X	151.33028	164.32085	245.74274	13.42095	0.0907206	0.24107679	2.5568139	21	3 19.5	20.4
493898 2015 XZ_{232}	16.8	X	320.15080	114.34929	89.21793	6.59821	0.1308809	0.21407756	2.7675063	21	1 12.0	20.5
493899 2015 XT_{233}	17.6	X	44.35935	58.34848	96.56262	4.25848	0.1043221	0.23194545	2.6234864	21	3 22.1	20.5
493900 2015 XX_{234}	16.4	X	329.27033	337.13243	245.84151	12.49547	0.1063820	0.23023201	2.6364867	21	2 12.0	20.1
493901 2015 XD_{235}	17.6	X	224.39006	289.30985	89.00146	7.28022	0.1444618	0.26542036	2.3979856	21	5 1.6	21.3
493902 2015 XT_{262}	17.5	X	196.38692	145.17676	271.18471	6.18465	0.0966840	0.26669961	2.3903113	21	5 20.4	21.0
493903 2015 XU_{266}	17.2	X	206.89116	229.35971	45.65064	2.59087	0.0353557	0.20247538	2.8722434	21	—	—
493904 2015 XH_{280}	17.7	X	122.97577	326.68157	109.39731	1.02968	0.1361055	0.24026524	2.5625681	21	4 1.3	21.2
493905 2015 XH_{283}	17.3	X	45.84464	324.00644	210.04310	2.94419	0.1667938	0.24138568	2.5546322	21	4 23.8	19.8
493906 2015 XK_{287}	18.2	X	229.61871	291.01438	88.19192	3.90858	0.1008774	0.26765549	2.3846169	21	5 9.2	21.5
493907 2015 XD_{289}	17.6	X	84.80895	19.80815	88.42753	11.64993	0.0575389	0.23417253	2.6068262	21	3 19.4	21.2
493908 2015 XX_{309}	15.9	X	302.64896	69.42694	58.58004	10.25843	0.0461791	0.17844290	3.1246631	21	—	—
493909 2015 XV_{310}	18.1	X	85.86887	33.93005	165.98488	3.12438	0.1154685	0.27389557	2.3482592	21	7 27.7	20.9
493910 2015 XC_{311}	16.4	X	357.76879	298.89084	160.44556	3.71340	0.0801727	0.18571163	3.0425892	21	—	—
493911 2015 XU_{320}	17.0	X	3.23621	28.61589	82.70768	11.00076	0.0906643	0.19257638	2.9698467	21	—	—
493912 2015 XQ_{324}	17.4	X	134.57808	10.09233	102.11460	7.13770	0.0873073	0.25773028	2.4454517	21	5 26.8	20.7
493913 2015 XZ_{325}	16.4	X	328.75926	271.36839	233.97805	9.19387	0.0601466	0.19131007	2.9829375	21	—	—
493914 2015 XU_{327}	16.0	X	0.85746	222.07781	250.54329	12.33071	0.0498857	0.19220767	2.9736436	21	—	—
493915 2015 XF_{328}	16.1	X	183.58417	173.84660	89.22914	11.74182	0.1185149	0.18064816	3.0991816	21	—	—
493916 2015 XW_{328}	16.9	X	109.04073	328.69725	83.50882	10.91020	0.1201503	0.21994725	2.7180474	21	2 16.4	20.7
493917 2015 XX_{328}	17.4	X	11.04089	19.15308	116.67727	1.68895	0.0167794	0.20887347	2.8132859	21	1 9.5	21.1
493918 2015 XL_{329}	17.0	X	84.73331	186.21358	261.39924	10.28263	0.0401127	0.22264990	2.6960072	21	2 8.9	20.7
493919 2015 XX_{330}	16.9	X	138.65665	307.90339	73.29310	6.54722	0.0475947	0.21873896	2.7280476	21	2 1.9	20.7
493920 2015 XX_{334}	16.3	X	248.92315	123.62527	93.04022	10.63388	0.0264685	0.18817375	3.0159909	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
493921 2015 XK_{335}	16.0	X	13.90596	196.68572	240.09701	7.51421	0.0149326	0.18125193	3.0922953	21	—	—
493922 2015 XL_{335}	16.7	X	75.66284	263.14012	177.49153	3.50200	0.0710861	0.21360885	2.7715532	21	1 27.6	20.1
493923 2015 XS_{335}	17.6	X	81.00002	254.37248	198.05612	4.58023	0.0807963	0.22057648	2.7128758	21	2 18.5	21.0
493924 2015 XC_{338}	17.2	X	60.27167	313.81266	96.58110	3.08975	0.0965582	0.19367164	2.9586393	21	—	—
493925 2015 XQ_{340}	16.5	X	260.53788	282.93471	253.29822	7.99332	0.0837243	0.17254196	3.1955055	21	12 29.6	21.0
493926 2015 XR_{345}	16.2	X	257.96590	315.70663	244.18030	13.49288	0.0456091	0.18258821	3.0771895	21	—	—
493927 2015 XS_{364}	16.5	X	310.96519	135.61439	1.12673	5.32911	0.1055207	0.17501083	3.1653818	21	—	—
493928 2015 XP_{366}	16.9	X	67.83326	120.05377	33.89718	3.17914	0.0549438	0.24215093	2.5492472	21	4 18.1	19.8
493929 2015 XS_{366}	16.2	X	243.00284	259.43678	314.51367	3.99693	0.0868124	0.17907298	3.1173293	21	—	—
493930 2015 XQ_{368}	17.8	X	92.55644	60.50792	47.64883	3.23419	0.1403391	0.23241405	2.6199588	21	4 6.5	21.0
493931 2015 XU_{368}	17.5	X	154.70958	16.10554	38.22433	2.66457	0.1112885	0.24238940	2.5475749	21	4 6.1	21.0
493932 2015 XJ_{375}	17.2	X	233.90799	242.39285	80.54936	12.87780	0.0294012	0.23427322	2.6060792	21	3 15.5	21.1
493933 2015 XS_{381}	16.8	X	14.32898	298.35512	151.78673	16.88963	0.1253125	0.18862992	3.0111265	21	—	—
493934 2015 YJ_{4}	16.7	X	106.12925	321.89437	118.40240	13.96448	0.1295550	0.21606104	2.7505428	21	3 24.4	20.7
493935 2015 YS_{8}	16.4	X	62.11708	0.40499	116.02215	5.64350	0.0766271	0.20911385	2.8111295	21	2 27.4	19.9
493936 2015 YP_{9}	17.3	X	252.80465	193.87209	153.89765	1.50490	0.2322066	0.25381026	2.4705668	21	4 12.4	21.3
493937 2016 AG	15.8	X	25.07674	325.44570	120.17178	13.56625	0.1174823	0.18245409	3.0786972	21	—	—
493938 2016 AH_{1}	16.3	X	109.32616	301.02451	65.33700	11.87326	0.1404911	0.18477282	3.0528865	21	—	—
493939 2016 AZ_{3}	16.7	X	83.80285	302.54651	84.25240	2.98077	0.1101388	0.19489814	2.9462138	21	—	—
493940 2016 AT_{6}	16.9	X	18.43267	39.12715	44.34575	1.45532	0.1527451	0.18095047	3.0957287	21	—	—
493941 2016 AD_{9}	17.2	X	59.55242	44.68754	73.67071	32.48170	0.2090049	0.23143462	2.6273454	21	3 31.9	20.9
493942 2016 AR_{10}	15.8	X	57.82000	342.88523	119.58504	16.12575	0.0973032	0.20397046	2.8581906	21	2 5.1	19.2
493943 2016 AB_{11}	15.8	X	339.20673	26.17157	84.38372	6.81180	0.1359295	0.17111909	3.2131949	21	—	—
493944 2016 AR_{15}	15.8	X	140.17414	43.17124	289.78275	9.98506	0.1063399	0.18823645	3.0153211	21	—	—
493945 2016 AK_{22}	16.3	X	77.51704	86.86172	301.32278	8.71097	0.0661549	0.17983622	3.1085029	21	—	—
493946 2016 AL_{22}	17.3	X	208.66618	284.31450	97.47606	5.60646	0.1571006	0.24765683	2.5113226	21	4 21.6	21.3
493947 2016 AN_{22}	17.0	X	179.21105	241.53116	92.77604	3.24013	0.0701656	0.20246545	2.8723373	21	1 25.6	21.3
493948 2016 AH_{24}	16.4	X	226.16486	129.13740	129.37709	3.75343	0.1041665	0.18073279	3.0982140	21	—	—
493949 2016 AP_{27}	16.7	X	197.19452	79.42207	249.95855	3.73792	0.0581849	0.21095395	2.7947584	21	2 4.1	20.9
493950 2016 AW_{27}	16.6	X	63.39904	157.95523	238.03963	2.24906	0.1409889	0.18292451	3.0734167	21	—	—
493951 2016 AC_{33}	16.6	X	355.81328	65.59138	119.50741	5.83826	0.0443900	0.21326582	2.7745244	21	2 18.6	20.1
493952 2016 AG_{33}	16.6	X	253.64352	181.33761	118.51783	6.19043	0.0389603	0.22230121	2.6988257	21	3 5.7	20.4
493953 2016 AU_{43}	16.2	X	302.49577	234.97247	278.95483	9.18099	0.0755047	0.17020067	3.2247437	21	—	—
493954 2016 AP_{44}	16.1	X	3.94487	354.56662	113.70040	6.61707	0.1143267	0.18116946	3.0932336	21	—	—
493955 2016 AF_{45}	16.8	X	144.05977	152.63414	216.95253	1.30245	0.0815184	0.20622471	2.8373238	21	1 29.3	20.8
493956 2016 AL_{46}	16.2	X	322.20876	27.36575	112.35127	6.57412	0.1124487	0.17242081	3.1970022	21	—	—
493957 2016 AS_{47}	16.7	X	189.28649	224.30529	100.95881	3.31347	0.0033317	0.20242222	2.8727462	21	1 21.8	20.7
493958 2016 AW_{50}	17.0	X	226.07400	154.03409	132.31451	2.90322	0.0379001	0.19956346	2.9001160	21	1 18.1	21.1
493959 2016 AG_{51}	16.5	X	278.91534	93.34209	109.89622	13.06680	0.0561592	0.18137103	3.0909414	21	—	—
493960 2016 AJ_{52}	16.2	X	222.84254	211.43753	101.85328	5.39575	0.0518600	0.21288383	2.7778424	21	2 15.1	20.2
493961 2016 AJ_{53}	16.5	X	108.35409	67.75801	301.52430	9.70079	0.0459445	0.18474277	3.0532176	21	—	—
493962 2016 AU_{55}	16.3	X	231.51947	131.85615	123.75953	13.16667	0.0730787	0.18435887	3.0574546	21	—	—
493963 2016 AA_{56}	16.4	X	297.26421	354.95171	277.87466	10.88218	0.1487098	0.22503524	2.6769219	21	3 1.2	20.4
493964 2016 AD_{58}	17.6	X	14.82188	128.97222	128.90766	3.68744	0.0821106	0.25794786	2.4440763	21	6 23.4	20.2
493965 2016 AY_{58}	16.2	X	82.74058	249.40911	121.05644	12.48448	0.0640798	0.17430016	3.1739800	21	—	—
493966 2016 AX_{60}	15.8	X	313.40169	216.99462	290.39990	11.30333	0.0441927	0.17389541	3.1789032	21	—	—
493967 2016 AD_{64}	15.4	X	248.01583	279.23405	281.40711	14.23772	0.0306680	0.16981768	3.2295905	21	—	—
493968 2016 AR_{66}	17.3	X	110.38154	288.52063	170.89185	4.59591	0.0532614	0.23018056	2.6368795	21	4 5.7	20.9
493969 2016 AT_{66}	16.5	X	22.40154	307.56943	132.89022	8.67962	0.0912786	0.17897731	3.1184400	21	—	—
493970 2016 AP_{67}	16.4	X	80.12830	264.18897	118.91412	11.60075	0.1569298	0.18518712	3.0483315	21	—	—
493971 2016 AM_{68}	15.9	X	18.45853	166.36023	247.72643	7.95703	0.0597662	0.17064153	3.2191871	21	—	—
493972 2016 AP_{68}	17.0	X	53.49251	185.04702	219.74738	4.53069	0.2481272	0.19090089	2.9871984	21	—	—
493973 2016 AP_{71}	15.8	X	99.19255	87.14095	269.49997	9.98723	0.0752921	0.18398510	3.0615941	21	—	—
493974 2016 AG_{73}	15.8	X	346.45651	221.53041	259.31321	9.64423	0.0380652	0.16790450	3.2540770	21	—	—
493975 2016 AN_{73}	16.1	X	62.44344	121.13902	275.59404	11.49061	0.1688600	0.17396411	3.1780663	21	—	—
493976 2016 AU_{74}	16.3	X	312.93627	354.88811	172.44229	10.68376	0.0831345	0.17038668	3.2223964	21	—	—
493977 2016 AE_{76}	16.6	X	323.27731	21.64191	154.07196	11.08139	0.0392722	0.17973156	3.1097094	21	1 1.9	21.1
493978 2016 AY_{78}	15.8	X	91.11124	248.84734	124.19870	16.14360	0.0954843	0.17412055	3.1761624	21	—	—
493979 2016 AV_{80}	16.1	X	38.42260	14.68674	104.16019	13.49080	0.0649135	0.20174983	2.8791255	21	1 26.8	19.7
493980 2016 AM_{81}	15.4	X	243.36162	307.29448	290.16349	22.73560	0.1379257	0.18090786	3.0962149	21	—	—
493981 2016 AS_{81}	16.9	X	188.61134	241.86468	111.46936	5.38387	0.0792008	0.21168220	2.7883449	21	2 27.7	21.0
493982 2016 AW_{88}	17.0	X	70.48639	352.01451	91.89846	4.76946	0.0809207	0.21361227	2.7715237	21	1 27.1	20.3
493983 2016 AV_{90}	17.0	X	258.15637	8.83147	242.66208	5.01288	0.0113415	0.21068624	2.7971254	21	1 11.7	20.9
493984 2016 AB_{97}	16.0	X	319.45887	47.65285	112.16803	10.86945	0.0588292	0.17456667	3.1707488	21	—	—
493985 2016 AJ_{98}	16.9	X	274.72850	346.29153	312.66650	5.99307	0.0660270	0.22328223	2.6909148	21	3 21.8	20.7
493986 2016 AZ_{98}	16.9	X	342.84852	90.15998	117.86991	4.77015	0.0363601	0.20986353	2.8044309	21	3 4.1	20.6
493987 2016 AT_{101}	16.8	X	322.51076	141.10589	88.62051	8.62793	0.0520443	0.21059637	2.7979211	21	3 4.9	20.6
493988 2016 AX_{101}	16.4	X	88.78033	322.33976	55.34357	5.96118	0.1296987	0.17775796	3.1326846	21	—	—
493989 2016 AX_{102}	16.1	X	302.96957	162.70219	95.49952	13.76444	0.1381642	0.20966662	2.8061864	21	3 4.9	20.2
493990 2016 AF_{103}	16.4	X	37.71404	109.38470	344.40148	9.25392	0.0779438	0.18406446	3.0607140	21	—	—
493991 2016 AO_{103}	16.4	X	145.64481	278.02726	91.57128	8.94058	0.0410940	0.19473501	2.9478589	21	1 30.2	20.6
493992 2016 AV_{103}	16.4	X	345.52972	30.37719	107.36928	10.65631	0.0713193	0.17649884	3.1475658	21	—	—
493993 2016 AA_{105}	16.7	X	290.24741	177.90423	112.92029	12.34782	0.0654715	0.22412950	2.6841289	21	4 8.9	20.6
493994 2016 AX_{105}	17.1	X	248.92274	221.93139	121.39592	12.82908	0.2090658	0.23886383	2.5725814	21	4 11.6	21.5
493995 2016 AC_{106}	16.1	X	207.46367	175.58597	111.08711	6.69013	0.1117087	0.17822812	3.1271729	21	1 2.9	21.1
493996 2016 AF_{106}	15.6	X	166.18212	198.42620	118.82883	11.23617	0.0989558	0.17628882	3.1500652	21	—	—
493997 2016 AO_{106}	16.1	X	74.64630	311.80808	116.02336	9.79532	0.1371650	0.19260966	2.9695047	21	1 23.7	19.8
493998 2016 AU_{106}	16.4	X	37.70491	349.82380	114.77872	11.77397	0.1162675	0.18846162	3.0129189	21	1 10.8	19.9
493999 2016 AS_{110}	15.9	X	242.57978	140.19574	130.03549	17.55570	0.1660473	0.18131283	3.0916028	21	1 13.3	21.1
494000 2016 AT_{110}	16.7	X	251.23387	165.37187	111.15479	6.87369	0.0077496	0.19684656	2.9267402	21	2 7.9	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494001 2016 AB_{111}	16.5	X	338.31771	70.83204	117.79704	10.93655	0.0302898	0.19503537	2.9448316	21	2 4.4	20.6
494002 2016 AF_{111}	17.1	X	197.10955	308.98581	96.11232	4.26574	0.1448998	0.24337338	2.5407036	21	5 9.3	21.0
494003 2016 AS_{111}	16.9	X	264.17637	227.27478	52.35821	2.82808	0.0242939	0.20338191	2.8637021	21	2 24.8	21.0
494004 2016 AX_{112}	16.4	X	340.93780	15.09309	122.06302	10.57418	0.0521276	0.17466546	3.1695530	21	—	—
494005 2016 AZ_{112}	16.7	X	222.79388	253.22131	120.06919	10.30682	0.0872273	0.23903158	2.5713776	21	4 30.2	20.6
494006 2016 AD_{113}	17.6	X	289.83379	238.01811	108.51081	7.16943	0.1398663	0.26004866	2.4308956	21	6 3.5	20.7
494007 2016 AW_{113}	17.3	X	342.54627	236.79132	92.76342	7.49398	0.1432410	0.27521831	2.3407292	21	8 16.5	19.3
494008 2016 AN_{114}	16.3	X	311.89930	191.15997	99.76252	15.48672	0.0711933	0.23371317	2.6102409	21	5 7.2	19.9
494009 2016 AU_{115}	15.7	X	79.50124	289.04590	128.17484	16.86714	0.1046733	0.18589276	3.0406124	21	1 14.6	19.7
494010 2016 AZ_{118}	15.8	X	48.81541	277.80789	140.47969	26.04797	0.1867718	0.17398303	3.1778358	21	—	—
494011 2016 AJ_{121}	16.6	X	173.53724	256.06100	126.05465	5.25272	0.0829285	0.21216145	2.7841442	21	3 19.4	20.7
494012 2016 AT_{121}	15.3	X	11.46565	301.11832	135.29082	17.82355	0.1306756	0.15959775	3.3660318	21	—	—
494013 2016 AR_{122}	15.5	X	94.27791	256.06425	142.17688	27.24315	0.0418659	0.17653254	3.1471652	21	1 6.8	20.2
494014 2016 AV_{139}	16.7	X	40.19004	199.61089	248.02738	9.26159	0.0122051	0.18201893	3.0836022	21	—	—
494015 2016 AK_{143}	16.3	X	173.63203	79.66658	220.75442	11.03411	0.0146131	0.17225331	3.1990743	21	—	—
494016 2016 AU_{146}	16.6	X	209.05434	64.20158	238.45138	8.35292	0.1048074	0.19249216	2.9707129	21	1 18.4	21.3
494017 2016 AA_{147}	16.5	X	270.16739	328.65512	236.20302	10.72882	0.0487502	0.17084508	3.2166297	21	—	—
494018 2016 AJ_{154}	16.2	X	282.15354	32.34738	179.42235	17.13730	0.0996725	0.17826299	3.1267651	21	—	—
494019 2016 AB_{155}	16.9	X	63.06261	271.35371	199.88878	12.52990	0.1201580	0.20532599	2.8455973	21	2 22.2	20.6
494020 2016 AK_{155}	16.0	X	0.38629	230.40560	242.34427	12.53237	0.1718374	0.17415263	3.1757723	21	—	—
494021 2016 AR_{157}	16.4	X	95.85257	192.74749	224.66765	11.11707	0.1187528	0.19839497	2.9114920	21	2 1.6	20.5
494022 2016 AU_{166}	15.3	X	199.98318	190.38397	112.10322	14.56329	0.0319022	0.17434768	3.1734033	21	1 13.3	20.0
494023 2016 AW_{167}	16.2	X	165.20973	133.35988	172.05844	12.89079	0.0520886	0.17467777	3.1694042	21	—	—
494024 2016 AY_{171}	15.9	X	28.37470	294.54780	122.85803	16.33625	0.1978517	0.17472966	3.1687767	21	—	—
494025 2016 AQ_{172}	15.5	X	29.68390	308.07128	112.11911	10.40933	0.1181656	0.16944904	3.2342727	21	—	—
494026 2016 AU_{173}	16.8	X	256.54876	130.12786	178.29798	9.19305	0.0897824	0.21996888	2.7178692	21	3 12.7	20.8
494027 2016 AE_{174}	16.6	X	270.57621	152.71147	172.31635	14.87904	0.1956345	0.23773840	2.5806939	21	4 7.1	20.5
494028 2016 AU_{174}	17.1	X	47.08281	33.09437	85.09122	5.00680	0.1746251	0.20423415	2.8557300	21	2 14.8	20.2
494029 2016 AO_{175}	17.2	X	251.25844	132.88532	209.96461	10.69802	0.0236734	0.23405574	2.6076933	21	4 26.1	20.5
494030 2016 AP_{184}	17.1	X	41.65661	179.75983	332.18249	4.25793	0.0533052	0.22065244	2.7122532	21	3 9.5	20.4
494031 2016 AY_{184}	16.1	X	316.07890	293.51523	318.48178	12.04667	0.0905024	0.22050169	2.7134892	21	3 9.3	19.7
494032 2016 AJ_{185}	16.5	X	332.83572	101.64429	135.26410	6.61343	0.0527446	0.22387417	2.6861694	21	3 24.6	20.0
494033 2016 AM_{187}	15.8	X	343.16497	54.83972	79.37195	8.90004	0.1244682	0.17541635	3.1605015	21	—	—
494034 2016 AN_{192}	16.1	X	99.18707	264.16702	115.52675	12.62736	0.0947890	0.18823668	3.0153186	21	—	—
494035 2016 BX_{1}	16.9	X	49.97476	335.51940	120.69632	3.67853	0.1453185	0.19969764	2.8988168	21	1 18.6	20.0
494036 2016 BW_{2}	16.7	X	89.04756	329.91846	104.47228	7.00546	0.0261038	0.20326913	2.8647612	21	2 5.5	20.5
494037 2016 BD_{5}	16.6	X	2.47270	114.47340	359.17771	0.45633	0.1356975	0.17974800	3.1095199	21	—	—
494038 2016 BO_{16}	16.3	X	244.58433	196.01303	101.34969	5.22753	0.0815007	0.20994187	2.8037332	21	2 18.2	20.4
494039 2016 BL_{17}	17.3	X	158.78635	297.87815	114.77174	4.37722	0.0819945	0.23039844	2.6352168	21	4 8.8	21.1
494040 2016 BQ_{17}	16.0	X	121.67798	223.28999	119.80060	9.03452	0.0522144	0.17477678	3.1682070	21	—	—
494041 2016 BA_{19}	16.4	X	111.55241	236.19487	122.87011	10.63587	0.1187860	0.17843093	3.1248028	21	—	—
494042 2016 BC_{21}	16.7	X	211.77931	281.03663	58.90716	1.26117	0.0771025	0.21361922	2.7714635	21	3 6.3	20.9
494043 2016 BU_{23}	15.9	X	226.77250	146.62802	119.01700	17.60992	0.0315469	0.18311638	3.0712694	21	—	—
494044 2016 BG_{25}	16.1	X	68.18254	62.76276	319.20813	11.04944	0.1017130	0.16979340	3.2298983	21	—	—
494045 2016 BC_{30}	16.5	X	222.92887	196.37231	85.67633	3.98205	0.0149258	0.18614724	3.0378405	21	1 12.9	20.8
494046 2016 BJ_{30}	17.3	X	317.68574	177.97711	42.88900	2.55708	0.0053643	0.20436156	2.8545429	21	2 20.1	21.2
494047 2016 BT_{30}	16.7	X	206.51159	251.88361	36.05800	3.01817	0.0692672	0.18089176	3.0963986	21	1 2.9	21.4
494048 2016 BU_{31}	16.3	X	342.44590	118.57992	51.11523	10.14324	0.1042476	0.18820426	3.0156649	21	1 10.2	20.3
494049 2016 BA_{33}	16.7	X	109.50403	151.78954	286.51180	3.19667	0.0466284	0.21104113	2.7939887	21	3 7.3	20.4
494050 2016 BR_{33}	17.0	X	136.94187	317.78643	99.26575	5.10758	0.0723876	0.22117641	2.7079679	21	3 20.6	20.8
494051 2016 BN_{35}	17.3	X	141.14039	2.12502	44.68038	5.82892	0.1665664	0.21785106	2.7354552	21	3 22.9	21.5
494052 2016 BO_{36}	16.1	X	62.57372	300.69826	115.36862	10.47567	0.0895031	0.17543572	3.1602688	21	—	—
494053 2016 BF_{37}	16.1	X	297.83414	111.55102	94.03060	10.42542	0.0403064	0.18198821	3.0839491	21	1 6.7	20.3
494054 2016 BO_{44}	17.6	X	230.58792	201.12080	186.98681	0.84873	0.1895493	0.25442034	2.4666157	21	5 15.9	21.6
494055 2016 BT_{48}	16.7	X	334.04993	136.41951	95.22062	5.22728	0.0427990	0.21442337	2.7645300	21	3 22.4	20.3
494056 2016 BA_{50}	16.9	X	197.76458	230.09523	127.82294	6.96812	0.0305016	0.22145072	2.7057312	21	3 13.5	20.7
494057 2016 BW_{51}	17.1	X	144.43238	212.30336	150.90904	1.74429	0.0907556	0.19292815	2.9662357	21	1 25.7	21.5
494058 2016 BG_{53}	16.4	X	316.83768	27.06754	139.79366	10.75592	0.0324047	0.17660003	3.1463633	21	—	—
494059 2016 BC_{54}	16.7	X	15.84529	331.55325	144.54835	8.14988	0.1515613	0.18313146	3.0711009	21	—	—
494060 2016 BT_{55}	16.2	X	102.24717	87.93829	285.66629	7.78617	0.0769238	0.17885737	3.1198340	21	—	—
494061 2016 BU_{55}	16.6	X	219.31498	84.99363	199.38288	2.98979	0.0238858	0.18818289	3.0158932	21	1 10.2	20.9
494062 2016 BX_{56}	16.5	X	91.26952	60.69721	327.02975	8.20830	0.0531360	0.18315071	3.0708857	21	—	—
494063 2016 BL_{60}	16.6	X	180.29813	25.64813	349.14041	3.96663	0.0814490	0.21356362	2.7719445	21	3 15.1	20.8
494064 2016 BQ_{60}	17.3	X	206.70253	340.84013	125.96953	7.54895	0.0675440	0.27182950	2.3601430	21	8 13.0	20.5
494065 2016 BK_{64}	16.9	X	154.93908	60.48854	314.22039	1.12019	0.0807795	0.20298781	2.8674075	21	2 17.3	21.0
494066 2016 BN_{65}	16.1	X	5.35370	21.83891	147.35876	17.97778	0.0595539	0.20270056	2.8701157	21	2 10.9	19.8
494067 2016 BF_{67}	16.6	X	105.78613	296.60845	146.17846	13.37473	0.1612050	0.21289655	2.7777318	21	3 30.0	20.6
494068 2016 BU_{67}	16.9	X	275.97332	245.39890	79.04659	13.20366	0.1665879	0.24574314	2.5243435	21	4 18.9	20.7
494069 2016 BZ_{67}	16.4	X	40.66847	21.04700	75.70065	13.52117	0.1021223	0.18925079	3.0045372	21	1 5.2	20.2
494070 2016 BE_{68}	16.2	X	355.24483	85.57305	41.36211	9.72952	0.0812606	0.17929472	3.1147586	21	—	—
494071 2016 BK_{69}	16.6	X	323.12188	69.61845	104.40500	2.49527	0.0257928	0.18199057	3.0839225	21	1 1.2	20.9
494072 2016 BW_{70}	16.1	X	107.18847	35.56905	328.31629	16.00887	0.1160586	0.17481583	3.1677353	21	—	—
494073 2016 BZ_{70}	16.4	X	306.76964	167.96767	124.53731	12.68682	0.1149364	0.23098816	2.6307297	21	4 24.7	20.0
494074 2016 BC_{71}	15.8	X	211.82255	167.53006	114.94156	9.09948	0.1890463	0.17332775	3.1858402	21	1 2.9	21.2
494075 2016 BV_{71}	15.8	X	37.78911	78.89096	320.35224	8.92506	0.0522085	0.15477047	3.4356638	21	—	—
494076 2016 BK_{72}	16.8	X	284.10798	120.85961	90.34212	2.83442	0.0471273	0.17834949	3.1257541	21	—	—
494077 2016 BL_{72}	16.8	X	179.36387	251.21454	110.70755	4.69486	0.1022244	0.20883264	2.8136526	21	3 1.9	21.1
494078 2016 BB_{74}	16.0	X	220.82888	287.70857	347.23393	13.54197	0.1696846	0.17380425	3.1800146	21	1 3.9	21.5
494079 2016 BY_{75}	16.4	X	313.56872	88.33787	89.26273	3.55880	0.1559661	0.17222519	3.1994226	21	—	—
494080 2016 BY_{76}	18.1	X	337.29725	245.61984	114.08187	6.26890	0.2265490	0.29075241	2.2565961	21	9 29.2	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494081 2016 BC_{81}	16.4	X	15.84146	299.62299	136.34895	16.74101	0.2138582	0.17524098	3.1626097	21	—	—
494082 2016 CX	16.8	X	282.09147	295.15907	279.91898	2.79167	0.0409123	0.18132931	3.0914155	21	—	—
494083 2016 CJ_{2}	17.1	X	225.87328	167.11735	160.14241	6.92334	0.0268726	0.21206093	2.7850240	21	3 7.7	20.8
494084 2016 CU_{2}	17.1	X	359.96449	289.30134	179.02823	4.82874	0.1461318	0.17195752	3.2027418	21	—	—
494085 2016 CK_{9}	15.8	X	10.35283	320.13790	142.70343	14.00774	0.0773673	0.17261209	3.1946399	21	—	—
494086 2016 CF_{11}	16.8	X	303.68755	292.79291	286.96518	1.37961	0.0763677	0.19024265	2.9940850	21	1 23.8	21.0
494087 2016 CU_{13}	15.4	X	174.53501	160.09040	150.42951	18.26021	0.1714559	0.17133242	3.2105272	21	1 4.4	20.9
494088 2016 CR_{14}	16.4	X	67.89937	140.90978	299.64984	5.13275	0.1253893	0.19107265	2.9854080	21	1 28.0	19.9
494089 2016 CP_{15}	16.7	X	78.39994	233.28108	238.60148	3.33784	0.0228520	0.21013915	2.8019781	21	3 6.4	20.6
494090 2016 CA_{17}	16.2	X	226.89634	343.24846	305.40013	9.23023	0.0772679	0.18734182	3.0249131	21	1 22.9	20.8
494091 2016 CE_{17}	16.7	X	101.05381	263.78165	170.02756	2.15807	0.0474152	0.20291421	2.8681008	21	2 21.6	20.6
494092 2016 CW_{21}	16.7	X	194.29227	173.27261	161.27137	6.11705	0.0634887	0.20162031	2.8803584	21	2 9.5	21.0
494093 2016 CU_{23}	16.0	X	316.72459	187.41800	9.45867	11.04026	0.0685531	0.18842391	3.0133208	21	1 16.5	20.3
494094 2016 CH_{26}	16.3	X	240.03706	166.47083	86.60298	7.99787	0.0650902	0.17934146	3.1142173	21	—	—
494095 2016 CW_{33}	16.5	X	283.50703	136.52135	54.01567	2.96663	0.0463514	0.17576550	3.1563147	21	—	—
494096 2016 CL_{35}	17.3	X	87.72662	205.37743	223.18043	6.77860	0.0575910	0.19591366	2.9360238	21	1 29.5	21.3
494097 2016 CG_{36}	16.1	X	42.22825	133.31456	330.98037	7.92078	0.0491335	0.19011494	2.9954257	21	1 16.7	20.0
494098 2016 CN_{36}	15.9	X	97.40642	233.99143	123.69244	12.93884	0.1331983	0.16854588	3.2458165	21	—	—
494099 2016 CL_{37}	16.4	X	128.09833	6.98949	346.70449	6.18925	0.1132152	0.17951937	3.1121594	21	1 2.6	21.0
494100 2016 CK_{38}	17.1	X	283.97044	215.57738	40.08301	2.58097	0.0182926	0.20261478	2.8709258	21	2 19.9	21.0
494101 2016 CH_{39}	16.6	X	65.36900	318.87084	109.42062	3.30835	0.1461367	0.18872537	3.0101111	21	1 11.6	20.1
494102 2016 CE_{40}	17.4	X	168.24517	303.93749	75.95341	1.69234	0.0837862	0.21275177	2.7789918	21	3 9.9	21.4
494103 2016 CL_{40}	17.1	X	106.18554	306.58882	114.71963	3.22799	0.0562125	0.20021631	2.8938083	21	2 15.2	20.9
494104 2016 CN_{40}	17.1	X	54.82656	90.25154	26.33876	2.12156	0.0306703	0.19964508	2.8993255	21	2 14.5	21.0
494105 2016 CT_{40}	17.0	X	178.05014	270.12514	111.80843	5.10293	0.1074094	0.21907807	2.7252318	21	3 24.8	21.2
494106 2016 CB_{42}	16.7	X	150.37493	250.46453	102.64516	9.68236	0.1222318	0.18980213	2.9987160	21	1 24.8	21.3
494107 2016 CE_{44}	17.1	X	290.15142	254.21268	29.55516	3.81619	0.0509013	0.21843313	2.7305934	21	3 27.9	20.6
494108 2016 CP_{45}	16.8	X	353.27168	115.12234	72.95118	3.01530	0.0613524	0.19960538	2.8997099	21	2 20.1	20.5
494109 2016 CH_{48}	17.1	X	331.36476	257.83046	91.40163	7.35236	0.1525672	0.27986567	2.3147440	21	8 25.0	19.0
494110 2016 CT_{50}	16.2	X	205.80773	257.05777	26.65573	6.24465	0.1122572	0.17153190	3.2080376	21	—	—
494111 2016 CK_{58}	15.7	X	247.57783	154.80077	103.42617	11.63762	0.0186996	0.18194906	3.0843916	21	1 13.6	20.1
494112 2016 CY_{71}	16.1	X	315.50730	171.03615	23.13560	12.24792	0.0666282	0.19262320	2.9693654	21	1 10.3	20.4
494113 2016 CM_{75}	16.2	X	95.21252	20.35114	11.49002	13.30695	0.0759922	0.18210233	3.0826606	21	1 3.7	20.6
494114 2016 CP_{94}	17.1	X	170.12105	209.14220	177.71241	12.65007	0.1822217	0.22337499	2.6901698	21	3 24.7	21.5
494115 2016 CG_{105}	16.0	X	29.48477	292.20420	153.12476	21.90397	0.0224523	0.17145755	3.2089649	21	—	—
494116 2016 CL_{105}	16.2	X	85.76637	181.90378	256.17000	6.33757	0.0806647	0.19861812	2.9093110	21	2 9.9	20.1
494117 2016 CD_{108}	15.7	X	249.92994	12.65247	249.73117	5.34354	0.1480417	0.18022813	3.1039949	21	1 11.3	20.7
494118 2016 CL_{109}	16.5	X	266.38100	35.40726	229.48577	5.07088	0.0417983	0.19491268	2.9460672	21	2 5.5	20.7
494119 2016 CO_{113}	16.1	X	232.56908	7.09442	276.26090	10.29645	0.0530007	0.18562595	3.0435253	21	1 21.9	20.7
494120 2016 CJ_{115}	15.9	X	162.14451	69.94229	264.31506	9.73536	0.0808581	0.17738151	3.1371153	21	1 11.2	20.6
494121 2016 CE_{126}	16.0	X	62.71703	230.53140	157.43929	16.96830	0.2040272	0.17229397	3.1985711	21	—	—
494122 2016 CK_{126}	16.7	X	106.08470	218.49366	184.94257	9.03434	0.0581793	0.19216646	2.9740687	21	1 23.3	21.0
494123 2016 CL_{138}	16.4	X	282.21147	21.03191	281.69209	13.16900	0.2202314	0.23792208	2.5793655	21	3 9.7	20.6
494124 2016 CH_{140}	17.1	X	242.07663	66.50342	207.65510	9.15628	0.0424107	0.19032674	2.9932031	21	1 20.6	21.6
494125 2016 CM_{145}	17.3	X	39.07310	281.98069	207.52954	2.33297	0.0955162	0.19656231	2.9295610	21	2 10.6	20.9
494126 2016 CP_{148}	16.4	X	101.70427	66.11700	329.44746	3.86101	0.0834619	0.18262294	3.0767993	21	1 16.3	20.5
494127 2016 CN_{153}	18.0	X	254.88560	60.67783	324.76071	2.51520	0.2052257	0.27057415	2.3674374	21	6 2.8	21.6
494128 2016 CW_{153}	16.4	X	287.51662	319.49964	303.89853	3.69626	0.0157920	0.21314492	2.7755734	21	3 2.2	20.2
494129 2016 CK_{158}	16.2	X	117.44571	219.30885	142.87616	11.45218	0.0696081	0.17713320	3.1400465	21	—	—
494130 2016 CJ_{166}	16.3	X	124.86302	48.56321	308.26111	8.91413	0.0917741	0.18323531	3.0699404	21	—	—
494131 2016 CM_{171}	16.5	X	94.71824	263.63511	125.11704	4.71106	0.1569613	0.18683845	3.0303436	21	1 7.5	20.3
494132 2016 CB_{172}	17.3	X	82.47311	302.17867	137.36285	9.33996	0.1111470	0.20200627	2.8766884	21	2 13.7	21.0
494133 2016 CP_{180}	16.6	X	299.85578	330.19713	216.67847	8.48644	0.0474782	0.17670135	3.1451605	21	—	—
494134 2016 CA_{182}	16.7	X	48.25267	247.60437	205.49302	9.93014	0.0185852	0.18631117	3.0360584	21	1 7.7	21.0
494135 2016 CP_{185}	16.4	X	216.11795	55.03661	218.88934	9.86451	0.0447920	0.17745507	3.1362484	21	—	—
494136 2016 CZ_{187}	17.0	X	201.60181	86.35918	226.29503	9.05608	0.0387718	0.19196639	2.9761347	21	1 21.3	21.5
494137 2016 CP_{188}	16.6	X	86.33960	331.90006	133.79961	9.88736	0.1186867	0.21428788	2.7656951	21	3 27.3	20.3
494138 2016 CJ_{198}	15.8	X	145.88484	27.76914	290.44664	3.55756	0.0463788	0.16020829	3.3574745	21	—	—
494139 2016 CD_{199}	16.1	X	326.49368	34.07073	150.37662	10.62095	0.0383747	0.18368378	3.0649414	21	1 15.1	20.5
494140 2016 CW_{199}	16.4	X	36.47572	302.88231	141.33718	1.57727	0.1491896	0.17674953	3.1445888	21	—	—
494141 2016 CR_{201}	16.4	X	356.19468	0.37166	130.85357	9.06732	0.0248816	0.17302570	3.1895467	21	—	—
494142 2016 CR_{202}	16.1	X	310.34479	50.15655	135.46213	10.02526	0.0278434	0.17524112	3.1626081	21	—	—
494143 2016 CN_{208}	16.8	X	170.32765	257.27482	141.90798	12.94423	0.1143719	0.21873856	2.7280510	21	4 9.8	21.2
494144 2016 CA_{215}	15.8	X	145.97824	213.01228	143.19628	8.84450	0.1393637	0.17790524	3.1309554	21	1 26.3	20.5
494145 2016 CZ_{218}	16.8	X	321.09554	261.83435	313.25591	1.08189	0.0348669	0.19438919	2.9513540	21	2 13.7	20.9
494146 2016 CM_{219}	16.9	X	32.05210	286.97830	166.79050	2.38670	0.1541681	0.17808275	3.1288745	21	—	—
494147 2016 CQ_{238}	16.0	X	252.66482	215.08285	61.03864	14.16087	0.1029706	0.18744503	3.0238026	21	2 5.9	20.9
494148 2016 CL_{239}	15.6	X	180.28579	251.77455	73.46922	18.56471	0.1373792	0.17884025	3.1200331	21	1 25.5	20.8
494149 2016 CL_{250}	16.9	X	185.22895	304.88097	48.21597	2.66387	0.0982553	0.20600937	2.8393008	21	2 24.9	21.3
494150 2016 CJ_{251}	15.8	X	233.69157	169.43767	84.49177	20.43270	0.1047600	0.17247063	3.1963865	21	—	—
494151 2016 CY_{255}	15.6	X	222.79267	167.72856	90.00829	10.33347	0.0696538	0.17025720	3.2240298	21	—	—
494152 2016 CD_{256}	15.8	X	295.84048	131.09629	98.50859	13.00690	0.0937771	0.18900841	3.0071053	21	1 25.4	20.2
494153 2016 CU_{259}	15.8	X	166.43721	157.54248	236.60573	7.94401	0.0458940	0.18359196	3.0659633	21	3 22.3	20.4
494154 2016 CY_{259}	17.9	X	144.94697	346.83586	229.82165	6.21004	0.1085168	0.26648349	2.3916035	21	10 25.5	21.3
494155 2016 CE_{264}	16.6	X	183.62742	93.16235	272.53608	6.11784	0.0559083	0.20881527	2.8138086	21	3 4.0	20.9
494156 2016 CQ_{264}	16.5	X	354.84853	2.17531	127.93665	5.88351	0.1119280	0.17305246	3.1892179	21	—	—
494157 2016 DP_{15}	16.8	X	227.88065	231.34731	149.75626	15.05826	0.1941445	0.23668549	2.5883418	21	5 9.7	21.3
494158 2016 EX	12.6	X	33.33156	177.53837	70.02097	6.33421	0.3002546	0.03915674	8.5887839	21	8 2.7	20.8
494159 2016 ED_{68}	16.1	X	93.26898	199.87599	173.45406	11.69658	0.1064142	0.16750961	3.2591891	21	—	—
494160 2016 ED_{76}	16.1	X	218.23238	135.85177	159.42313	20.32592	0.1069159	0.17765959	3.1338409	21	1 21.7	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494161 2016 ED_{89}	16.6	X	49.59716	224.32163	209.87574	2.89114	0.0385538	0.16990089	3.2285358	21	—	—
494162 2016 EV_{107}	16.3	X	197.94566	239.13659	84.39694	13.71468	0.0442553	0.17996857	3.1069787	21	2 7.1	21.0
494163 2016 FK_{2}	15.8	X	267.30604	146.89894	0.07887	3.38582	0.0428976	0.12598075	3.9409410	21	11 29.9	21.4
494164 2016 GD_{112}	16.7	X	332.84654	103.66273	91.45321	3.33202	0.0194252	0.16863078	3.2447269	21	2 11.7	21.2
494165 2016 GU_{112}	16.9	X	275.84927	296.23287	67.18666	5.36221	0.1286956	0.22359887	2.6883738	21	6 9.8	20.5
494166 2016 GF_{113}	18.1	X	277.06550	353.72717	99.44171	2.33348	0.1878758	0.28539512	2.2847483	21	10 13.4	20.2
494167 2016 GZ_{122}	16.6	X	193.94749	318.81205	41.25753	8.15039	0.0587162	0.18008266	3.1056662	21	3 18.6	21.3
494168 2016 GE_{126}	17.1	X	184.41955	263.14594	211.40605	3.52646	0.0742683	0.24129391	2.5552799	21	7 24.7	20.9
494169 2016 GA_{133}	16.5	X	307.30446	127.14547	102.35601	2.42368	0.0931126	0.17087948	3.2161979	21	2 10.9	21.0
494170 2016 GJ_{133}	16.9	X	337.42546	143.92880	114.89813	3.20502	0.0136940	0.20308839	2.8664607	21	5 4.3	20.8
494171 2016 GT_{145}	16.0	X	330.59735	150.46599	65.39398	6.64598	0.1079563	0.17530249	3.1618699	21	2 24.2	20.3
494172 2016 GZ_{145}	17.0	X	140.38012	53.71250	219.57320	4.83294	0.1561866	0.28757413	2.2731923	21	—	—
494173 2016 GO_{164}	18.0	X	211.72241	199.92334	338.04192	2.53340	0.0995181	0.28702585	2.2760862	21	11 21.1	21.1
494174 2016 GR_{164}	17.6	X	185.30134	138.94647	317.92284	2.09697	0.1177909	0.23396628	2.6083580	21	7 2.8	21.6
494175 2016 GR_{165}	16.2	X	190.13806	326.58820	37.27623	10.89773	0.0661824	0.18009462	3.1055288	21	3 20.2	20.9
494176 2016 GS_{174}	17.7	X	175.08183	95.63919	77.14424	5.43757	0.1388992	0.26598124	2.3946133	21	10 2.9	21.4
494177 2016 GC_{175}	16.7	X	294.35094	232.79049	79.90201	6.92436	0.0537452	0.20488368	2.8496912	21	5 11.8	20.5
494178 2016 GX_{176}	16.3	X	260.60337	112.65534	183.32130	9.69859	0.0374424	0.17785003	3.1316033	21	3 12.6	20.8
494179 2016 GA_{185}	16.3	X	78.55184	166.57420	65.91138	10.97842	0.0576756	0.23827241	2.5768366	21	8 28.1	19.9
494180 2016 GF_{229}	16.0	X	132.09447	61.88244	30.50511	10.53910	0.0740990	0.20143854	2.8820909	21	4 27.6	20.0
494181 2016 GF_{230}	16.2	X	321.72685	178.17907	55.98619	2.09457	0.0940450	0.18022331	3.1040502	21	3 5.6	20.4
494182 2016 GD_{242}	16.3	X	337.80299	185.61709	43.28412	14.70801	0.1246900	0.18404678	3.0609101	21	3 23.3	20.3
494183 2016 GA_{247}	16.3	X	170.55015	10.69249	22.26052	15.78251	0.0316767	0.18561428	3.0436529	21	3 30.2	20.7
494184 2016 GC_{247}	15.8	X	300.84713	269.79160	14.28425	10.64532	0.0654014	0.19269952	2.9685814	21	4 10.4	19.8
494185 2016 GF_{247}	16.9	X	30.28592	44.69496	229.51887	4.87338	0.2493449	0.22623314	2.6674640	21	9 3.8	19.6
494186 2016 GG_{247}	16.6	X	319.92300	282.89547	20.52058	13.70207	0.0523993	0.21344415	2.7729788	21	5 29.9	20.4
494187 2016 GM_{247}	16.8	X	183.82545	85.65370	329.00604	1.20174	0.0846722	0.20710417	2.8292858	21	5 8.0	21.0
494188 2016 GZ_{248}	17.5	X	143.91176	7.52838	191.94777	3.61107	0.0595839	0.26064979	2.4271566	21	9 30.9	20.9
494189 2016 GL_{249}	16.5	X	350.02933	201.76720	33.30582	0.97355	0.0411994	0.19645982	2.9305798	21	4 17.7	20.2
494190 2016 GQ_{249}	16.2	X	11.65250	148.87278	29.86744	11.31154	0.0619409	0.18086239	3.0967338	21	3 13.0	20.3
494191 2016 HC_{1}	16.9	X	329.97029	115.19483	191.32558	4.54991	0.0882722	0.21901324	2.7257696	21	6 17.9	20.2
494192 2016 HG_{1}	17.4	X	78.01639	226.26086	9.56161	3.74383	0.0906679	0.24114431	2.5563366	21	9 1.6	20.8
494193 2016 HJ_{1}	16.6	X	298.68257	19.61088	268.76730	1.01505	0.0595468	0.19434991	2.9517517	21	4 14.0	20.7
494194 2016 HK_{1}	16.4	X	345.38420	191.40004	24.36186	15.59681	0.0729856	0.18344835	3.0675631	21	3 21.4	20.5
494195 2016 HP_{1}	16.7	X	308.79401	257.19338	23.70230	6.69946	0.2531628	0.18553210	3.0445516	21	3 23.2	20.8
494196 2016 HQ_{1}	18.1	X	151.06059	294.46369	343.09753	0.82264	0.1993402	0.29306664	2.2447008	21	—	—
494197 2016 HF_{6}	16.6	X	105.44968	30.60997	54.55156	13.32301	0.0371686	0.17702048	3.1413793	21	3 22.8	21.2
494198 2016 HE_{7}	17.5	X	244.09003	304.34741	121.49767	1.16589	0.0786724	0.24036952	2.5618269	21	7 31.4	21.0
494199 2016 HG_{7}	17.8	X	73.65952	250.96618	71.04281	3.15964	0.2180275	0.27026025	2.3692703	21	—	—
494200 2016 HV_{7}	16.9	X	326.87397	56.43089	184.05159	5.84213	0.0681816	0.18281763	3.0746144	21	3 22.3	21.0
494201 2016 HJ_{9}	16.7	X	292.78840	262.52633	94.02621	6.16851	0.1769758	0.22006252	2.7170982	21	6 16.3	20.0
494202 2016 HT_{9}	17.4	X	175.96778	23.82429	159.74319	6.26801	0.0812440	0.26771753	2.3842485	21	10 19.6	20.8
494203 2016 HB_{10}	18.0	X	157.82944	154.86980	127.67531	4.60675	0.1190537	0.30165237	2.2019032	21	—	—
494204 2016 HO_{11}	16.5	X	306.03314	242.21128	15.44362	6.33789	0.1100572	0.18013624	3.1050504	21	3 12.5	20.7
494205 2016 HT_{13}	16.4	X	272.10299	95.88637	216.48592	8.98242	0.0594128	0.19130388	2.9830019	21	4 10.9	20.7
494206 2016 HM_{14}	17.2	X	150.50160	76.27723	59.93510	3.56445	0.1663783	0.23773346	2.5807296	21	7 20.8	21.3
494207 2016 HQ_{14}	16.9	X	50.76282	332.77675	170.29408	2.13111	0.1516961	0.18770110	3.0210518	21	3 26.9	20.5
494208 2016 HZ_{14}	17.1	X	179.43435	236.74322	189.90522	4.20936	0.0519562	0.20875569	2.8143439	21	5 18.9	21.1
494209 2016 HH_{15}	15.9	X	200.18789	273.28643	65.48573	4.52924	0.0747915	0.16793606	3.2536693	21	2 28.4	20.8
494210 2016 HO_{15}	17.6	X	19.68591	269.19768	45.12474	4.66057	0.2031220	0.24061226	2.5601036	21	10 11.2	20.2
494211 2016 HC_{16}	17.5	X	34.02603	111.97003	126.90142	2.77559	0.0364697	0.21951029	2.7216533	21	6 24.5	21.1
494212 2016 HS_{18}	16.7	X	66.64084	62.18319	52.64857	6.13354	0.1019547	0.17891394	3.1191763	21	3 13.5	20.8
494213 2016 HQ_{23}	17.7	X	182.29697	138.29022	36.41288	8.16498	0.0912085	0.26715934	2.3875683	21	10 13.9	21.0
494214 2016 JV_{6}	15.9	X	40.77153	297.59668	202.75003	13.80629	0.0244522	0.17285017	3.1917058	21	2 25.4	20.4
494215 2016 JX_{6}	17.8	X	116.84755	116.09071	168.88574	3.61971	0.1928498	0.27745784	2.3281166	21	12 26.6	21.6
494216 2016 JP_{19}	16.4	X	278.85100	86.76203	213.70598	6.89976	0.1421734	0.18036887	3.1023801	21	3 24.9	21.1
494217 2016 JJ_{25}	16.3	X	234.14546	312.83944	24.19914	1.19155	0.0646407	0.17585417	3.1552536	21	3 31.0	20.9
494218 2016 JR_{36}	16.6	X	28.62466	44.48225	231.11285	13.18056	0.1607026	0.22546373	2.6735292	21	8 15.3	19.9
494219 2016 LN_{8}	12.7	X	221.19738	20.75327	87.53371	43.34125	0.0559107	0.07236181	5.7033468	21	9 1.7	20.7
494220 2016 LK_{42}	17.4	X	311.20825	89.52320	235.06161	12.16814	0.2935461	0.17662739	3.1460384	21	5 14.1	21.5
494221 2016 NZ_{6}	17.5	X	34.70087	22.60071	306.81317	5.41590	0.1239150	0.22592487	2.6698899	21	11 6.6	20.9
494222 2016 ND_{10}	16.6	X	341.33850	36.86486	34.09313	12.08952	0.2413873	0.24046558	2.5611446	21	—	—
494223 2016 NQ_{11}	17.0	X	279.43203	204.84532	242.03201	4.30548	0.0923248	0.23319416	2.6141124	21	10 12.3	20.4
494224 2016 NQ_{17}	17.1	X	19.80449	166.00668	257.39706	5.36414	0.0682234	0.26766267	2.3845742	21	—	—
494225 2016 NB_{21}	15.9	X	332.75832	3.40687	313.14895	9.63316	0.0982894	0.18822485	3.0154449	21	7 7.0	19.6
494226 2016 NP_{24}	14.7	X	241.16634	37.71046	250.48869	7.66899	0.1923262	0.12555239	3.9498995	21	2 4.5	21.1
494227 2016 NX_{24}	16.9	X	318.98766	165.61837	139.90190	0.24730	0.1549159	0.17858481	3.1230076	21	5 22.9	20.8
494228 2016 ND_{36}	17.4	X	58.63597	19.15395	335.29671	4.96230	0.3233444	0.23878296	2.5731622	21	—	—
494229 2016 NY_{43}	15.8	X	231.75011	164.75838	139.01139	3.78349	0.1840761	0.12530150	3.9551704	21	2 17.2	22.0
494230 2016 NZ_{44}	16.6	X	354.91937	149.95049	134.18918	1.82503	0.0606135	0.17982480	3.1086345	21	6 28.9	20.5
494231 2016 NA_{47}	17.9	X	5.15234	267.82085	140.44516	2.53012	0.4119399	0.22098453	2.7095353	21	—	—
494232 2016 NL_{50}	17.2	X	81.58811	182.51113	176.15632	2.47889	0.2080236	0.25613256	2.4556107	21	—	—
494233 2016 NE_{52}	16.8	X	21.73052	80.85862	238.86014	4.80732	0.1015820	0.21693169	2.7431784	21	9 30.6	20.2
494234 2016 NJ_{53}	16.3	X	233.67543	166.77912	269.72344	7.25213	0.0572956	0.19648769	2.9303027	21	7 31.9	20.6
494235 2016 PE_{3}	16.8	X	284.37703	303.30563	59.14247	5.84375	0.1509138	0.17610492	3.1522578	21	6 17.5	21.1
494236 2016 PX_{9}	17.4	X	274.63168	39.04890	43.69806	5.02296	0.0336446	0.21470465	2.7621150	21	10 8.9	21.0
494237 2016 PM_{10}	17.0	X	17.72906	312.69302	92.19761	5.51361	0.1771926	0.24266731	2.5456295	21	—	—
494238 2016 PN_{13}	16.1	X	347.83826	222.05447	83.24596	10.19305	0.0460338	0.18388661	3.0626872	21	7 17.8	20.1
494239 2016 PB_{24}	15.9	X	247.69788	299.98391	94.57075	7.82127	0.0106700	0.17808400	3.1288599	21	7 2.7	20.3
494240 2016 PP_{25}	17.0	X	245.95264	50.76899	29.24683	7.64152	0.0519061	0.20009993	2.8949302	21	8 26.9	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494241 2016 PT_{27}	16.5	X	301.05540	346.53593	77.48317	10.84405	0.1384199	0.21667074	2.7453805	21	10 13.6	19.8
494242 2016 PL_{29}	16.0	X	266.63261	316.59115	81.43817	10.54101	0.0739224	0.18550767	3.0448189	21	7 23.6	20.4
494243 2016 PU_{55}	16.9	X	17.71232	262.74211	50.37008	8.58638	0.0552934	0.20028660	2.8931311	21	9 15.4	20.7
494244 2016 PD_{59}	16.6	X	341.06833	290.09431	66.64020	9.24446	0.0842771	0.19946174	2.9011018	21	9 19.5	20.3
494245 2016 PC_{75}	16.0	X	288.45625	39.40466	8.60831	14.21261	0.2900485	0.17422649	3.1748747	21	8 5.4	20.5
494246 2016 QB_{1}	17.4	X	51.66897	186.70673	213.16453	3.66152	0.1736166	0.25578133	2.4578582	21	—	—
494247 2016 QR_{6}	17.0	X	64.19688	69.29863	264.47647	4.85768	0.1619204	0.23715106	2.5849531	21	12 28.2	20.7
494248 2016 QE_{13}	17.2	X	24.68104	326.47053	325.51615	5.65623	0.2024086	0.19780923	2.9172368	21	9 8.9	20.4
494249 2016 QL_{14}	17.7	X	61.67565	7.15919	326.78156	4.89187	0.1889876	0.23617125	2.5920977	21	12 29.2	21.5
494250 2016 QM_{17}	16.4	X	332.63821	67.27280	242.37666	8.60318	0.0659434	0.17429026	3.1741002	21	6 28.5	20.6
494251 2016 QO_{20}	17.6	X	188.77420	325.14817	250.34076	6.04740	0.0877352	0.24561664	2.5252102	21	12 7.9	21.2
494252 2016 QM_{21}	17.1	X	17.60195	124.94027	232.78749	6.60198	0.0468624	0.22247212	2.6974433	21	11 10.3	20.6
494253 2016 QK_{23}	16.7	X	9.61871	78.58686	234.27102	5.24589	0.0765024	0.19455136	2.9497137	21	8 27.6	20.5
494254 2016 QP_{30}	17.0	X	357.26333	314.65912	56.38508	5.68290	0.1025365	0.21541808	2.7560132	21	11 2.7	20.0
494255 2016 QX_{30}	18.4	X	58.25661	345.73155	58.85422	3.13505	0.1935617	0.26188397	2.4195250	21	—	—
494256 2016 QH_{34}	16.6	X	327.53877	4.92061	293.31021	5.36734	0.2494969	0.17318614	3.1875765	21	5 12.1	20.4
494257 2016 QN_{35}	17.6	X	8.90860	239.09702	171.22606	2.68914	0.2138249	0.23777797	2.5804075	21	—	—
494258 2016 QA_{39}	17.5	X	74.74080	55.37372	303.70058	5.43947	0.1582355	0.25449266	2.4661484	21	—	—
494259 2016 QH_{39}	18.1	X	132.03788	186.35827	207.63849	3.94673	0.1501429	0.30356323	2.1926532	21	2 5.5	20.6
494260 2016 QL_{41}	16.8	X	112.54241	181.24990	64.14703	5.64933	0.0253400	0.21454090	2.7635203	21	10 17.4	20.6
494261 2016 QW_{49}	17.0	X	1.82009	282.09459	54.04361	3.10103	0.0936630	0.19982786	2.8975572	21	9 21.5	20.5
494262 2016 QS_{52}	16.5	X	306.94043	131.19954	207.52251	4.90356	0.1278450	0.17380938	3.1799521	21	6 21.6	20.7
494263 2016 QT_{53}	16.8	X	305.94205	129.01976	221.57386	4.52202	0.1581633	0.17624210	3.1506219	21	6 30.9	20.9
494264 2016 QC_{54}	18.0	X	27.59207	217.77781	260.10618	6.51095	0.1631843	0.28967359	2.2621954	21	—	—
494265 2016 QL_{55}	16.3	X	312.03781	75.81464	268.01730	8.28964	0.1075567	0.18047629	3.1011488	21	7 8.3	20.2
494266 2016 QY_{55}	16.1	X	326.00977	71.61873	253.65817	9.90813	0.0801570	0.18263226	3.0766946	21	7 7.4	20.1
494267 2016 QO_{57}	16.4	X	81.11780	0.31405	238.04347	7.48202	0.0313005	0.19895239	2.9060513	21	8 23.3	20.6
494268 2016 QZ_{64}	16.8	X	202.84526	225.89155	263.37652	4.84638	0.0078049	0.20254389	2.8715957	21	9 4.7	20.8
494269 2016 QY_{65}	16.2	X	27.72598	44.04294	205.67760	5.07649	0.0841515	0.17871555	3.1214843	21	7 3.6	20.3
494270 2016 QU_{69}	16.8	X	330.06677	62.46167	268.68144	4.43271	0.0859878	0.18731292	3.0252241	21	7 21.7	20.6
494271 2016 QO_{70}	18.1	X	45.61303	123.46870	216.80140	3.39161	0.2409466	0.23306285	2.6150943	21	12 25.1	21.7
494272 2016 QR_{73}	18.0	X	93.96400	201.67335	139.90821	0.54422	0.2099022	0.25253108	2.4789028	21	—	—
494273 2016 QZ_{77}	16.9	X	14.91877	132.39455	235.12761	8.47230	0.2288727	0.21858053	2.7293657	21	12 13.8	19.9
494274 2016 QB_{78}	17.0	X	64.56361	88.51564	217.30715	11.60450	0.1857749	0.22291702	2.6938530	21	11 25.4	20.9
494275 2016 QQ_{83}	17.4	X	64.50025	144.28289	228.24589	3.57492	0.2993134	0.23798785	2.5788903	21	—	—
494276 2016 RL_{3}	15.7	X	5.64006	341.87443	289.67306	3.96565	0.1397367	0.17297868	3.1901247	21	6 29.8	19.3
494277 2016 RG_{4}	16.4	X	70.54733	45.62080	266.14865	8.58354	0.0732029	0.23250532	2.6192732	21	11 25.6	20.0
494278 2016 RW_{6}	16.8	X	317.74416	126.08798	216.65216	9.85849	0.0115886	0.18500705	3.0503092	21	7 23.8	21.3
494279 2016 RZ_{6}	16.7	X	302.02255	155.18558	207.06269	6.61056	0.0611379	0.18465130	3.0542258	21	7 23.2	21.0
494280 2016 RC_{10}	17.2	X	116.45326	303.32865	287.45021	2.98417	0.0182201	0.21163169	2.7887886	21	9 28.8	21.1
494281 2016 RS_{10}	16.6	X	10.29644	41.50695	254.41828	5.11298	0.1456019	0.18604886	3.0389114	21	8 9.9	20.1
494282 2016 RJ_{11}	16.2	X	244.55765	135.87304	294.24893	7.61429	0.1799574	0.17717523	3.1395498	21	7 23.3	21.1
494283 2016 RE_{12}	18.5	X	110.18949	90.39484	284.44187	5.90411	0.1466445	0.28233233	2.3012421	21	—	—
494284 2016 RC_{13}	18.3	X	66.85009	114.25955	289.62621	4.68401	0.2392238	0.26633373	2.3924999	21	—	—
494285 2016 RD_{13}	17.5	X	305.76232	173.42803	271.72396	4.53509	0.0783231	0.22991068	2.6389427	21	11 21.1	20.7
494286 2016 RH_{13}	18.0	X	82.31083	209.83593	209.81384	5.28074	0.2452150	0.28284711	2.2984491	21	1 12.4	19.7
494287 2016 RF_{14}	17.3	X	127.65328	336.43970	248.53433	2.61773	0.0339361	0.21601238	2.7509559	21	10 7.5	21.2
494288 2016 RJ_{15}	16.5	X	348.47474	88.61532	254.71783	10.46433	0.0442032	0.19918079	2.9038293	21	9 1.7	20.6
494289 2016 RM_{15}	16.3	X	222.60393	212.05336	255.77894	10.43432	0.1667081	0.18912309	3.0058895	21	8 14.4	21.2
494290 2016 RJ_{21}	17.5	X	46.32091	202.09386	210.96606	4.44277	0.1363258	0.25607704	2.4559656	21	—	—
494291 2016 RN_{23}	16.9	X	23.26452	12.63755	51.87357	7.21055	0.0861015	0.25202210	2.4822392	21	—	—
494292 2016 RP_{25}	17.3	X	16.98690	80.50237	270.49155	3.63933	0.0846725	0.21335014	2.7737933	21	11 2.4	20.7
494293 2016 RG_{27}	16.5	X	269.87231	60.37490	350.29118	8.63091	0.0724733	0.17879580	3.1205503	21	8 14.0	20.8
494294 2016 RP_{29}	16.4	X	299.23286	219.59277	170.47560	4.96873	0.1763393	0.17561655	3.1580991	21	8 8.7	20.4
494295 2016 RM_{30}	18.2	X	73.32386	281.17409	159.07873	2.97881	0.1727898	0.28432400	2.2904828	21	1 15.1	20.1
494296 2016 RT_{34}	17.6	X	91.28698	357.24827	319.24499	4.33906	0.2440111	0.23737932	2.5832957	21	—	—
494297 2016 RJ_{35}	17.8	X	329.53543	240.40030	128.76386	3.62325	0.2423618	0.19263491	2.9692451	21	8 31.0	20.6
494298 2016 RJ_{36}	17.5	X	68.40790	1.30160	344.23055	4.88899	0.3199766	0.23818631	2.5774575	21	—	—
494299 2016 RC_{42}	17.1	X	205.06220	253.74025	320.40381	2.91714	0.0837309	0.24610152	2.5218922	21	12 25.3	20.5
494300 2016 SQ_{4}	17.3	X	23.68889	203.24236	246.04639	13.67793	0.0556399	0.26761812	2.3848389	21	—	—
494301 2016 SO_{7}	16.4	X	122.57668	347.19951	251.22600	13.70373	0.1692120	0.21477156	2.7615413	21	10 25.4	21.0
494302 2016 SA_{8}	17.3	X	107.95270	30.64229	250.42353	12.00791	0.1404319	0.23127742	2.6285358	21	12 5.1	21.3
494303 2016 SG_{9}	17.3	X	142.97343	322.89548	357.44200	6.95165	0.1183673	0.26975054	2.3722539	21	—	—
494304 2016 SM_{9}	17.5	X	93.68255	91.51475	243.93238	5.13138	0.1086355	0.25367868	2.4714211	21	—	—
494305 2016 SV_{10}	18.7	X	77.23257	98.88369	308.23278	1.29569	0.2183358	0.26749112	2.3855937	21	—	—
494306 2016 SG_{11}	18.5	X	118.57585	57.19709	296.44917	1.73093	0.2140652	0.27092126	2.3654149	21	—	—
494307 2016 SY_{11}	16.5	X	298.39177	248.19536	131.30168	2.04419	0.1741940	0.17448224	3.1717715	21	7 25.7	20.4
494308 2016 SF_{14}	17.8	X	64.90516	170.90973	176.59072	5.57385	0.2494765	0.23826647	2.5768794	21	—	—
494309 2016 SE_{16}	16.8	X	85.69162	114.98810	186.23999	6.04573	0.2055053	0.22751225	2.6574567	21	12 13.2	21.0
494310 2016 SH_{18}	17.7	X	129.12188	5.95319	303.42762	3.80474	0.1595361	0.25649445	2.4533004	21	—	—
494311 2016 SJ_{19}	17.5	X	37.46758	18.50883	309.64281	4.31356	0.0856608	0.21432061	2.7654136	21	11 1.4	21.2
494312 2016 SU_{21}	17.0	X	78.39380	332.89759	33.40974	6.20624	0.0960752	0.25079406	2.4903357	21	—	—
494313 2016 SG_{22}	16.7	X	59.34937	234.12667	85.16111	4.99494	0.0836994	0.21651659	2.7466833	21	11 21.4	20.5
494314 2016 SG_{29}	17.0	X	50.64767	264.97538	67.20099	2.85515	0.1027377	0.22067766	2.7120465	21	11 29.5	20.7
494315 2016 SD_{35}	15.9	X	6.05500	41.31584	279.53219	8.51117	0.2802679	0.18967178	3.0000897	21	9 15.8	18.7
494316 2016 SL_{38}	17.5	X	77.43315	168.40767	169.46992	3.92437	0.2411166	0.24022845	2.5628298	21	—	—
494317 2016 SP_{44}	16.4	X	324.24784	310.48516	58.22441	4.64071	0.1774236	0.18077420	3.0977408	21	8 26.4	19.9
494318 2016 SD_{46}	17.0	X	146.05504	34.05761	283.66221	5.27033	0.1280577	0.26548121	2.3976191	21	—	—
494319 2016 TK_{1}	16.5	X	335.56972	140.48692	214.57856	8.78667	0.2252017	0.18783021	3.0196673	21	8 20.3	19.7
494320 2016 TO_{1}	17.7	X	98.95588	35.71551	253.57662	12.10001	0.2384903	0.23028921	2.6360500	21	12 12.8	22.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494321 2016 TU_{1}	16.8	X	63.97744	271.12882	22.66994	7.64266	0.2113142	0.21377384	2.7701269	21	11 9.8	20.9
494322 2016 TO_{3}	17.8	X	71.97511	180.28004	224.32891	2.01893	0.1861816	0.26577244	2.3958673	21	—	—
494323 2016 TQ_{3}	15.9	X	79.52378	224.56871	350.68393	10.53492	0.0041111	0.16930436	3.2361151	21	7 23.7	20.6
494324 2016 TO_{9}	15.8	X	315.25624	353.10365	17.01146	12.32090	0.0983600	0.17183357	3.2042819	21	8 24.2	20.1
494325 2016 TU_{9}	16.3	X	316.57592	152.15186	225.11344	27.19293	0.2551382	0.18350643	3.0669159	21	7 30.4	20.5
494326 2016 TS_{11}	16.9	X	323.99966	41.15720	336.72909	4.70710	0.1939328	0.18555907	3.0442567	21	9 3.8	19.9
494327 2016 TL_{13}	16.8	X	334.95532	92.80317	329.27211	4.64243	0.0958242	0.20954427	2.8072786	21	12 1.3	20.3
494328 2016 TX_{13}	16.4	X	326.67083	0.09971	348.17895	5.09694	0.1433450	0.18568884	3.0428381	21	8 5.3	19.9
494329 2016 TG_{14}	16.3	X	275.80669	101.52212	295.83205	10.65273	0.0820155	0.17431593	3.1737887	21	7 30.7	20.7
494330 2016 TY_{16}	16.6	X	330.13892	67.12720	330.63899	9.93079	0.0705073	0.19320725	2.9633784	21	10 16.0	20.5
494331 2016 TO_{22}	15.8	X	255.10222	162.80024	268.81501	9.20554	0.0818669	0.17978948	3.1090416	21	8 14.8	20.3
494332 2016 TD_{25}	17.9	X	130.33792	183.17641	217.61501	6.43393	0.1353356	0.28592364	2.2819319	21	2 12.5	20.9
494333 2016 TT_{29}	16.6	X	57.61127	89.80795	263.76960	12.77434	0.2086585	0.22809431	2.6529338	21	—	—
494334 2016 TR_{30}	17.3	X	83.48845	146.66662	253.27943	4.86772	0.1273826	0.26682592	2.3895569	21	—	—
494335 2016 TZ_{33}	16.0	X	99.44176	322.31548	276.91463	9.36885	0.0561500	0.17908463	3.1171940	21	9 16.4	20.7
494336 2016 TJ_{34}	16.7	X	298.18467	54.33397	337.00091	9.51465	0.1348705	0.18195015	3.0843792	21	8 17.7	20.6
494337 2016 TL_{35}	16.6	X	89.72868	31.88557	233.52039	12.12528	0.2356047	0.21462039	2.7628379	21	11 4.4	21.0
494338 2016 TS_{36}	17.6	X	76.38316	45.09075	338.59740	5.75110	0.1448634	0.25660287	2.4526094	21	—	—
494339 2016 TB_{43}	17.2	X	29.39790	159.55824	192.53027	2.07196	0.1677115	0.21330270	2.7742046	21	12 5.1	20.6
494340 2016 TK_{43}	17.3	X	354.63661	141.27092	189.22857	4.92530	0.2477603	0.18664686	3.0324170	21	9 1.7	20.1
494341 2016 TZ_{43}	16.3	X	329.86360	177.74850	199.11297	11.41439	0.0438823	0.18905515	3.0066096	21	9 22.1	20.4
494342 2016 TQ_{46}	16.6	X	288.46177	213.20532	237.61981	11.08070	0.0088081	0.19973803	2.8984259	21	11 4.9	20.5
494343 2016 TC_{47}	17.5	X	84.84481	311.15185	8.16384	3.13240	0.1974500	0.22666884	2.6640446	21	—	—
494344 2016 TU_{48}	16.8	X	85.06973	260.02011	56.04354	11.37408	0.2120101	0.22379183	2.6868282	21	12 29.7	21.2
494345 2016 TD_{54}	16.6	X	338.75963	82.23144	290.27371	8.78024	0.1468946	0.18575532	3.0421120	21	9 23.1	20.2
494346 2016 TS_{57}	17.5	X	87.18299	106.65778	255.56061	2.73987	0.1953648	0.24559255	2.5253753	21	—	—
494347 2016 TZ_{59}	17.9	X	90.39148	43.35831	314.25184	1.33228	0.2117563	0.25621846	2.4550619	21	—	—
494348 2016 TZ_{63}	17.6	X	63.76214	299.22864	33.17188	5.15898	0.1273019	0.22570713	2.6716068	21	12 19.5	21.5
494349 2016 TP_{64}	16.7	X	71.61766	305.70420	41.03983	32.02131	0.2366914	0.23174245	2.6250182	21	—	—
494350 2016 TD_{70}	16.5	X	281.51331	183.24844	287.29453	3.98944	0.0796780	0.20873538	2.8145264	21	11 13.6	20.1
494351 2016 TA_{74}	16.4	X	98.19566	217.14739	2.18998	9.85030	0.0499604	0.17755489	3.1350727	21	8 28.1	20.9
494352 2016 TB_{74}	17.3	X	330.57615	237.69093	200.86687	8.68671	0.1947724	0.21865873	2.7287150	21	12 21.9	20.1
494353 2016 TW_{76}	17.4	X	356.94733	58.70063	23.62941	4.94372	0.1400547	0.22898763	2.6460296	21	—	—
494354 2016 TE_{78}	17.2	X	60.35720	138.67592	223.50795	2.80397	0.2232025	0.23286907	2.6165448	21	—	—
494355 2016 TX_{79}	16.5	X	303.68150	43.90076	346.87043	11.79659	0.1147550	0.17621302	3.1509684	21	8 28.2	20.5
494356 2016 TQ_{89}	16.4	X	30.22278	95.75081	210.14261	10.30522	0.1053729	0.17908334	3.1172091	21	9 20.4	20.5
494357 2016 TN_{90}	17.4	X	18.35401	36.27125	45.37278	14.20132	0.2291953	0.23630257	2.5911373	21	—	—
494358 2016 TY_{90}	16.5	X	332.43290	320.43645	99.64447	3.30400	0.0522461	0.20335510	2.8639538	21	11 24.5	20.1
494359 2016 TT_{91}	15.9	X	322.81633	346.64229	39.00204	10.87603	0.1370464	0.18308597	3.0716096	21	9 22.8	19.7
494360 2016 UO_{1}	16.5	X	325.35496	135.13384	251.97820	8.36998	0.1089263	0.18810040	3.0167749	21	9 22.5	20.4
494361 2016 UG_{6}	16.5	X	278.15951	62.72506	12.49064	10.56839	0.1014153	0.18604144	3.0389922	21	9 21.3	20.6
494362 2016 UX_{8}	16.2	X	298.91968	75.77550	320.28641	11.67747	0.1044967	0.17791427	3.1308495	21	8 26.0	20.2
494363 2016 UB_{12}	17.0	X	206.60230	298.48224	345.03295	3.84877	0.1343502	0.27958048	2.3163178	21	—	—
494364 2016 UD_{12}	17.8	X	87.94249	345.16327	335.28216	2.67174	0.2313857	0.23595491	2.5936819	21	—	—
494365 2016 UJ_{16}	16.4	X	33.99968	321.74968	334.90246	9.08235	0.0859726	0.17833552	3.1259173	21	9 12.3	20.6
494366 2016 UH_{20}	18.1	X	253.59128	247.91609	39.53328	1.99057	0.0834831	0.30091318	2.2055077	21	1 30.9	21.0
494367 2016 UB_{23}	17.1	X	310.22835	44.56740	36.15083	6.38751	0.0378485	0.20723932	2.8280556	21	11 19.6	20.9
494368 2016 UL_{23}	18.2	X	48.56533	146.31244	228.66315	5.16412	0.2404417	0.23067988	2.6330730	21	—	—
494369 2016 UN_{23}	18.1	X	191.73126	303.25453	27.11697	6.94977	0.1483546	0.29170957	2.2516572	21	1 25.6	21.5
494370 2016 UM_{25}	16.9	X	86.73172	85.45549	229.46578	11.27870	0.2862665	0.22930362	2.6435982	21	—	—
494371 2016 UC_{27}	17.0	X	356.85780	67.80965	28.60668	12.29729	0.1698873	0.23334191	2.6130089	21	—	—
494372 2016 UV_{27}	16.7	X	273.27208	87.06165	15.24810	7.86434	0.0416826	0.19612630	2.9339013	21	10 25.7	20.6
494373 2016 UQ_{28}	15.7	X	270.41055	37.20351	19.11814	21.19767	0.0778638	0.17915475	3.1163806	21	8 29.9	20.4
494374 2016 UZ_{28}	16.7	X	295.99491	127.46771	277.65738	12.25310	0.1373734	0.18011953	3.1052424	21	8 24.8	20.9
494375 2016 UU_{30}	16.2	X	323.57292	160.25198	204.24587	11.80082	0.1305867	0.17406534	3.1768340	21	8 17.2	20.3
494376 2016 UC_{33}	15.9	X	41.03057	273.45119	19.39978	11.88234	0.0967443	0.17958928	3.1113517	21	9 23.5	20.0
494377 2016 UT_{33}	17.4	X	8.35349	102.64946	352.92014	3.53470	0.1679002	0.23467594	2.6030969	21	—	—
494378 2016 UV_{34}	16.9	X	307.99132	240.94036	217.75360	5.66831	0.0358990	0.20902748	2.8119038	21	12 10.8	20.7
494379 2016 UM_{39}	17.8	X	174.01966	310.21245	10.94043	5.87363	0.1807768	0.27830906	2.3233670	21	—	—
494380 2016 UW_{42}	16.4	X	326.31055	135.89162	226.51620	13.40416	0.2348870	0.17422662	3.1748731	21	8 5.9	20.1
494381 2016 UQ_{43}	18.3	X	114.20910	166.42090	216.97901	5.21640	0.2180739	0.27224690	2.3577301	21	1 15.3	21.1
494382 2016 UU_{45}	16.4	X	339.18697	68.87575	267.05189	8.71442	0.0965570	0.17052757	3.2206212	21	8 7.8	20.5
494383 2016 UJ_{46}	17.8	X	113.64564	163.09877	278.16436	7.14934	0.0495636	0.30279975	2.1963373	21	2 27.9	20.4
494384 2016 UR_{47}	16.9	X	342.31978	12.55972	353.32171	11.58623	0.1372596	0.18677601	3.0310189	21	9 24.8	20.2
494385 2016 UV_{47}	16.2	X	130.64253	328.53788	241.50160	9.89069	0.1246726	0.18321533	3.0701635	21	9 22.2	21.2
494386 2016 UE_{48}	16.5	X	38.48163	292.40204	6.91702	11.18552	0.0845888	0.18096044	3.0956151	21	9 24.6	20.4
494387 2016 UH_{48}	16.9	X	8.24020	358.73211	334.25124	2.23487	0.0624408	0.18305553	3.0719500	21	9 21.1	20.9
494388 2016 UK_{48}	18.0	X	127.86224	144.60550	236.44922	5.97838	0.1053160	0.27860203	2.3217380	21	1 11.8	20.8
494389 2016 UR_{49}	17.7	X	23.27023	185.92191	235.95765	10.32942	0.2113276	0.23340571	2.6125327	21	—	—
494390 2016 UM_{50}	16.6	X	64.67494	29.42052	259.37816	1.32535	0.0517931	0.18720174	3.0264218	21	10 10.6	20.8
494391 2016 UF_{51}	17.0	X	16.40344	195.29316	222.82416	11.34663	0.1655534	0.22509734	2.6764295	21	—	—
494392 2016 UQ_{51}	17.1	X	21.90586	31.76720	52.97550	5.94518	0.1913075	0.23818057	2.5774989	21	—	—
494393 2016 UJ_{52}	16.5	X	344.30075	15.75390	59.16855	7.08104	0.0369414	0.21417879	2.7666342	21	12 31.2	20.2
494394 2016 UR_{53}	19.0	X	171.29642	331.39131	33.88075	4.11191	0.1829572	0.29766850	2.2215059	21	2 20.2	22.2
494395 2016 UB_{54}	17.4	X	78.39682	295.75389	77.48871	7.69593	0.2076114	0.25089322	2.4896794	21	—	—
494396 2016 UM_{55}	16.9	X	12.02097	315.16876	72.60538	6.47616	0.1880903	0.20611562	2.8383249	21	12 26.1	20.2
494397 2016 UP_{56}	17.3	X	13.86201	195.15155	212.89080	4.13621	0.2269959	0.21572247	2.7534199	21	—	—
494398 2016 UE_{58}	17.2	X	341.10143	106.38786	351.23462	12.10571	0.2473326	0.22614389	2.6681658	21	—	—
494399 2016 UT_{58}	16.2	X	326.21808	44.52273	326.97611	8.29671	0.0954702	0.18123437	3.0924950	21	9 5.9	20.0
494400 2016 UU_{58}	16.4	X	74.14369	258.60326	356.05715	10.40742	0.0749871	0.17874565	3.1211339	21	9 13.4	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494401 2016 UA_{59}	17.7	X	191.40486	354.68952	315.30591	6.56448	0.1385292	0.28320878	2.2964919	21	—	—
494402 2016 UB_{59}	16.6	X	350.95701	57.30553	311.75292	8.46807	0.0744467	0.19329986	2.9624317	21	10 10.3	20.5
494403 2016 UC_{59}	16.5	X	325.41540	86.78637	285.34487	7.96281	0.0845036	0.17975251	3.1094679	21	9 3.7	20.5
494404 2016 UF_{59}	15.9	X	38.14507	42.39684	247.23106	14.32377	0.0371533	0.17475484	3.1684723	21	8 28.2	20.6
494405 2016 UQ_{59}	17.0	X	102.32546	347.71977	320.22812	4.27935	0.2332802	0.23640979	2.5903537	21	—	—
494406 2016 UZ_{59}	16.6	X	305.83839	32.79994	358.72614	9.11171	0.0830527	0.17808923	3.1287987	21	9 5.4	20.6
494407 2016 UZ_{60}	17.3	X	90.45395	302.26499	68.41194	7.43417	0.1192453	0.25662314	2.4524802	21	—	—
494408 2016 UQ_{62}	16.1	X	298.02786	320.47975	70.98679	11.14983	0.1147176	0.17634275	3.1494228	21	8 23.9	20.4
494409 2016 UG_{64}	17.6	X	151.43526	264.90677	34.04218	8.61120	0.0812774	0.25341659	2.4731247	21	—	—
494410 2016 UJ_{64}	17.5	X	234.40477	170.22507	71.10163	7.32887	0.1075085	0.26758574	2.3850312	21	—	—
494411 2016 UV_{69}	17.0	X	104.40749	281.73296	38.51992	15.68511	0.1464871	0.23726746	2.5841076	21	—	—
494412 2016 UA_{70}	17.3	X	77.33783	298.24754	28.99158	5.46700	0.1667652	0.22723835	2.6595917	21	—	—
494413 2016 UB_{70}	16.7	X	322.84748	345.86804	29.74304	9.99163	0.1801747	0.18142375	3.0903425	21	9 4.7	20.3
494414 2016 US_{72}	18.6	X	90.47551	58.94432	325.05383	0.72714	0.1846732	0.25973857	2.4328300	21	—	—
494415 2016 UX_{72}	16.9	X	329.50189	164.55559	224.73463	1.32217	0.1038844	0.19026178	2.9938843	21	10 6.7	20.4
494416 2016 UB_{73}	16.9	X	76.44948	274.56687	30.65465	7.96963	0.2149403	0.21510389	2.7586961	21	12 7.1	21.2
494417 2016 UF_{74}	16.6	X	326.46590	353.65658	29.02852	11.18333	0.0473658	0.18421254	3.0590735	21	9 28.9	20.7
494418 2016 UW_{74}	16.7	X	253.88618	264.17908	201.22461	6.98181	0.0228059	0.18985600	2.9981487	21	10 7.7	20.8
494419 2016 UP_{75}	17.9	X	118.80648	359.45219	316.71043	1.68703	0.1437264	0.24369990	2.5384336	21	—	—
494420 2016 UR_{75}	18.0	X	134.52059	328.21832	7.15907	2.59074	0.1142393	0.26090772	2.4255567	21	—	—
494421 2016 US_{75}	16.1	X	334.44450	136.71760	217.56400	9.65398	0.1218226	0.17663198	3.1459838	21	8 22.8	20.2
494422 2016 UM_{81}	18.3	X	137.76933	139.47664	194.46422	3.37791	0.2148370	0.26638783	2.3921760	21	—	—
494423 2016 UO_{81}	16.5	X	335.57032	154.27046	214.69543	17.66990	0.0916378	0.18177011	3.0864156	21	9 14.6	20.6
494424 2016 UK_{82}	16.9	X	301.10579	205.36713	234.93033	5.56353	0.0358266	0.20084373	2.8877784	21	11 6.2	20.7
494425 2016 UQ_{83}	17.4	X	68.87374	294.69124	39.08488	12.38761	0.1815208	0.22484654	2.6784194	21	—	—
494426 2016 UW_{83}	17.0	X	309.62211	29.21621	59.71120	2.73770	0.0288977	0.21097816	2.7945446	21	12 1.1	20.8
494427 2016 UO_{84}	18.5	X	157.72429	263.47172	76.67786	1.58200	0.1866350	0.27944685	2.3170562	21	1 7.0	21.5
494428 2016 UW_{84}	17.8	X	7.97073	36.63897	49.37452	5.11056	0.1753256	0.23610582	2.5925766	21	—	—
494429 2016 UK_{85}	17.1	X	339.13879	20.20413	49.92997	7.59541	0.0871533	0.21479305	2.7613571	21	12 19.9	20.5
494430 2016 UD_{86}	16.8	X	339.65150	358.74383	357.19257	2.30003	0.1085582	0.18119946	3.0928922	21	9 8.2	20.5
494431 2016 UR_{88}	17.1	X	342.48250	64.96282	36.41288	13.98400	0.1571838	0.22900407	2.6459030	21	—	—
494432 2016 UE_{89}	18.3	X	188.43656	292.02569	20.57765	7.29877	0.1325060	0.28262750	2.2996395	21	—	—
494433 2016 UM_{89}	16.6	X	65.15477	46.75783	222.23450	9.32178	0.0603781	0.17792840	3.1306838	21	9 13.9	21.0
494434 2016 UL_{90}	16.0	X	337.99229	146.54218	224.28418	9.19377	0.1022417	0.18513440	3.0489102	21	9 22.6	19.9
494435 2016 UT_{90}	16.6	X	43.62810	105.17999	210.05088	10.08137	0.0247656	0.19049127	2.9914793	21	10 13.4	20.6
494436 2016 UV_{90}	17.0	X	340.51792	303.29436	49.32596	2.71608	0.1135600	0.18047005	3.1012203	21	9 6.1	20.6
494437 2016 UW_{90}	16.8	X	22.57873	122.50407	203.66504	8.19315	0.0216146	0.18677726	3.0310054	21	9 28.7	21.0
494438 2016 US_{93}	17.0	X	329.61369	260.68510	212.41116	16.43824	0.1533573	0.22819342	2.6521656	21	—	—
494439 2016 UP_{96}	17.9	X	180.45496	73.76670	230.61157	3.41483	0.1743112	0.27482452	2.3429646	21	—	—
494440 2016 UJ_{104}	17.4	X	287.16286	134.05431	11.13169	2.58840	0.1362125	0.22590391	2.6700551	21	—	—
494441 2016 UQ_{104}	18.3	X	196.08121	52.51981	246.81455	1.96111	0.1712613	0.28056119	2.3109169	21	—	—
494442 2016 UY_{112}	17.7	X	197.14220	25.38916	240.84798	1.87279	0.1586703	0.25790452	2.4443501	21	—	—
494443 2016 UG_{116}	16.8	X	262.21988	62.79928	37.66202	9.80395	0.0259945	0.19255018	2.9701161	21	10 14.2	20.8
494444 2016 UC_{117}	18.1	X	50.39202	107.54402	211.22774	6.81396	0.3124932	0.21366263	2.7710881	21	12 10.2	22.2
494445 2016 UW_{118}	16.5	X	226.55046	89.94729	30.83992	14.15272	0.0191105	0.18286987	3.0740289	21	9 27.9	20.9
494446 2016 UT_{121}	17.1	X	303.79616	277.72324	113.32215	2.90870	0.2005277	0.18005316	3.1060055	21	8 15.4	20.7
494447 2016 UD_{138}	18.3	X	61.06216	122.91076	216.12853	12.35683	0.2826227	0.23526101	2.5987794	21	—	—
494448 2016 UO_{142}	16.4	X	312.62842	86.03204	289.03961	8.81723	0.1448877	0.17727031	3.1384271	21	8 13.2	20.4
494449 2016 UP_{142}	16.5	X	296.61086	91.91375	287.68559	9.23248	0.0826013	0.16960984	3.2322282	21	8 3.8	21.0
494450 2016 UY_{142}	17.7	X	3.06673	184.53410	186.41025	4.13040	0.2175040	0.20906388	2.8115774	21	11 23.8	20.5
494451 2016 UC_{143}	16.2	X	277.33475	28.28416	18.19392	12.57671	0.1282187	0.17431471	3.1738035	21	8 13.1	20.8
494452 2016 UF_{143}	18.6	X	194.25411	80.89239	21.73207	19.65683	0.1290907	0.36191433	1.9501388	21	7 29.7	21.7
494453 2016 UD_{144}	16.6	X	15.40381	95.48272	210.91312	9.03653	0.0870207	0.17511064	3.1641789	21	8 26.3	20.7
494454 2016 UW_{145}	16.3	X	307.35207	129.24503	281.17224	9.69240	0.0521843	0.18989647	2.9977227	21	9 29.5	20.5
494455 2016 UB_{146}	16.8	X	358.28520	72.72493	341.70721	2.43579	0.0834900	0.21491859	2.7602816	21	12 28.9	20.2
494456 2016 UU_{146}	16.4	X	345.90529	82.04661	285.40377	8.49600	0.1325928	0.18767559	3.0213255	21	9 29.9	20.1
494457 2016 VY_{7}	17.4	X	83.84842	23.83683	105.01694	3.72693	0.1653198	0.27298758	2.3534634	21	4 22.6	19.9
494458 2016 VH_{9}	16.7	X	334.42181	322.16172	44.63205	12.95929	0.1960412	0.18116080	3.0933323	21	9 16.7	20.2
494459 2016 VQ_{9}	17.7	X	18.50833	37.69575	22.14147	3.33990	0.1990650	0.22814341	2.6525532	21	—	—
494460 2016 VA_{11}	16.3	X	4.85242	302.27227	63.00508	10.75637	0.1082411	0.19106361	2.9855022	21	11 4.4	19.9
494461 2016 VF_{11}	17.9	X	52.70142	310.51200	76.22296	4.76744	0.2902326	0.23814807	2.5777335	21	—	—
494462 2016 VJ_{12}	17.5	X	89.40269	136.35083	201.26926	1.89593	0.1932966	0.23636219	2.5907015	21	—	—
494463 2016 VS_{15}	16.8	X	71.48296	315.81615	47.99585	14.81665	0.1749668	0.23812182	2.5779229	21	—	—
494464 2016 VZ_{15}	16.9	X	303.92440	286.74265	244.65180	12.62579	0.1007245	0.23973716	2.5663299	21	—	—
494465 2016 WH_{4}	17.7	X	226.16262	101.08158	205.90552	4.97808	0.1748051	0.29402577	2.2398166	21	1 25.0	21.4
494466 2016 WD_{5}	18.3	X	218.47780	319.45794	37.90628	1.47691	0.1659938	0.31635333	2.1331486	21	3 22.4	21.4
494467 2016 WM_{5}	17.0	X	3.36764	210.92516	205.80121	3.72286	0.0596966	0.21450758	2.7638064	21	—	—
494468 2016 WU_{10}	18.3	X	138.25962	262.58758	176.30787	2.17176	0.0381580	0.31189748	2.1534170	21	4 1.9	20.7
494469 2016 WV_{10}	17.3	X	316.59680	288.09094	85.52430	2.40571	0.1945961	0.17327680	3.1864646	21	8 14.6	20.9
494470 2016 WK_{11}	15.9	X	235.12392	241.96728	271.61078	16.07963	0.0573619	0.20135179	2.8829186	21	11 7.9	20.2
494471 2016 WF_{12}	18.0	X	111.92808	166.81862	230.05596	3.82179	0.1433273	0.27893326	2.3198996	21	1 17.0	20.5
494472 2016 WM_{12}	17.8	X	100.33030	13.94184	4.83151	1.56377	0.1812581	0.26050566	2.4280518	21	—	—
494473 2016 WJ_{13}	17.9	X	149.98500	85.96389	299.86134	2.04277	0.1779291	0.29067093	2.2570178	21	2 22.9	21.1
494474 2016 WL_{13}	16.9	X	139.40791	46.23401	260.58493	5.49313	0.2024846	0.24664440	2.5181903	21	—	—
494475 2016 WJ_{18}	16.7	X	29.00468	124.07739	221.16232	8.26441	0.1193666	0.19530218	2.9421490	21	11 15.2	20.4
494476 2016 WC_{19}	17.4	X	305.58466	134.82499	8.05889	1.48382	0.0302219	0.22763186	2.6565257	21	—	—
494477 2016 WC_{22}	16.3	X	345.55143	132.71264	238.26216	10.28993	0.1645646	0.18669833	3.0318596	21	10 5.9	19.7
494478 2016 WL_{22}	17.5	X	11.98488	31.67108	48.17119	5.47509	0.0802567	0.22765680	2.6563316	21	—	—
494479 2016 WQ_{23}	17.8	X	132.49411	84.76248	295.93490	2.91957	0.2130527	0.27929326	2.3179056	21	2 3.1	20.9
494480 2016 WV_{24}	16.9	X	221.22957	268.71351	15.44442	22.97426	0.1925841	0.27872009	2.3210823	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494481 2016 WF_{25}	18.1	X	179.37442	79.26916	261.09034	6.41642	0.1325454	0.27884194	2.3204060	21	1 22.9	21.5
494482 2016 WG_{27}	16.1	X	48.04250	53.88888	268.01294	9.37790	0.0976826	0.18570364	3.0426764	21	11 4.4	20.3
494483 2016 WH_{27}	17.2	X	16.98278	171.19794	259.39356	12.08733	0.1449772	0.22564889	2.6720664	21	—	—
494484 2016 WX_{32}	16.8	X	342.16469	272.20166	55.25054	25.22314	0.3505941	0.17569735	3.1571308	21	7 18.4	19.9
494485 2016 WG_{33}	16.7	X	342.42932	284.75757	93.47403	2.11506	0.1002653	0.18668157	3.0320411	21	10 14.1	20.2
494486 2016 WB_{34}	16.6	X	34.27492	82.15144	246.50278	7.34979	0.1333038	0.18841749	3.0133893	21	10 31.8	20.6
494487 2016 WY_{35}	16.2	X	24.44097	53.91306	262.05379	8.56136	0.2213686	0.17782520	3.1318949	21	10 8.4	20.0
494488 2016 WF_{39}	17.5	X	14.40986	221.93581	240.36381	8.05850	0.1481852	0.23969940	2.5665994	21	—	—
494489 2016 WR_{41}	17.0	X	14.53672	27.84348	54.21511	5.39025	0.1385308	0.23154509	2.6265096	21	—	—
494490 2016 WL_{42}	16.3	X	209.07573	286.62882	283.04931	4.93293	0.0056367	0.21182599	2.7870829	21	12 27.2	20.1
494491 2016 WQ_{43}	16.4	X	173.46560	352.09657	260.01910	2.66230	0.0521933	0.21788231	2.7351935	21	—	—
494492 2016 WV_{43}	16.7	X	73.66481	274.32539	57.38534	7.11122	0.0338113	0.20726005	2.8278670	21	12 14.4	20.6
494493 2016 WN_{45}	17.1	X	33.88320	28.65116	36.16347	14.46263	0.2473530	0.23496041	2.6009955	21	—	—
494494 2016 WP_{45}	16.8	X	44.35156	292.89758	54.10753	12.82172	0.0693948	0.19850722	2.9103944	21	11 29.9	20.8
494495 2016 WZ_{45}	17.4	X	2.32681	221.77825	249.41943	13.79627	0.1003592	0.23991784	2.5650412	21	—	—
494496 2016 WQ_{46}	16.8	X	83.41878	255.37620	80.65823	6.30777	0.0169096	0.21408845	2.7674125	21	12 31.3	20.7
494497 2016 WV_{47}	16.8	X	78.95516	279.22324	79.57223	4.86318	0.2575590	0.23695487	2.5863798	21	—	—
494498 2016 WU_{49}	16.4	X	20.02140	102.14736	219.95189	9.61684	0.1034754	0.18053436	3.1004839	21	9 25.8	20.4
494499 2016 WZ_{49}	18.2	X	112.55532	296.54116	83.60371	4.02578	0.1364367	0.26618805	2.3933728	21	—	—
494500 2016 WL_{50}	18.1	X	23.89391	322.90082	86.82946	3.43188	0.2010438	0.22728272	2.6592456	21	—	—
494501 2016 WO_{50}	16.9	X	336.05828	318.40706	93.45726	2.96346	0.0255095	0.20137050	2.8827400	21	11 18.5	20.7
494502 2016 WV_{50}	16.9	X	103.58758	275.01318	67.76790	12.82583	0.2152901	0.24026190	2.5625919	21	—	—
494503 2016 WO_{53}	18.2	X	111.08516	325.47186	57.11735	3.37608	0.2241668	0.26347000	2.4098052	21	1 14.9	21.0
494504 2016 WU_{54}	18.2	X	169.01757	281.49040	93.70114	3.52892	0.1915240	0.29163745	2.2520283	21	3 3.9	21.6
494505 2016 WE_{55}	17.3	X	38.26673	152.10063	281.49180	12.86335	0.2266543	0.23222358	2.6213912	21	—	—
494506 2016 WH_{55}	17.0	X	65.28186	351.73316	62.69184	16.39494	0.2534695	0.24168042	2.5525548	21	—	—
494507 2016 XY	17.5	X	31.19758	344.93255	73.55360	5.27255	0.1488574	0.23117926	2.6292798	21	—	—
494508 2016 XG_{5}	18.2	X	167.29006	153.88642	240.30354	4.50823	0.1105805	0.30204477	2.1999957	21	3 14.9	21.3
494509 2016 XS_{9}	16.4	X	290.44383	178.65056	299.57705	6.11313	0.0108987	0.20902812	2.8118980	21	12 13.8	20.2
494510 2016 XT_{9}	16.6	X	344.16571	97.82764	284.98859	7.98167	0.0868903	0.18785360	3.0194165	21	10 17.9	20.5
494511 2016 XN_{15}	15.9	X	353.52285	346.99778	24.85377	12.36995	0.1473148	0.19210540	2.9746988	21	10 24.9	19.1
494512 2016 XS_{22}	17.5	X	36.09355	146.70764	273.12091	5.72579	0.3174719	0.22682711	2.6628053	21	—	—
494513 2016 XY_{22}	17.6	X	34.07802	75.02753	96.85490	3.20595	0.1439947	0.26319778	2.4114665	21	3 23.0	19.7
494514 2016 YP_{8}	17.4	X	127.45520	208.24627	352.86110	17.87716	0.0544674	0.35015532	1.9935581	21	9 20.2	19.6
494515 2016 YQ_{9}	15.2	X	268.89322	279.71847	256.01528	13.52593	0.2079838	0.17813453	3.1282681	21	12 23.5	19.2
494516 2016 YM_{10}	17.0	X	40.38193	252.76542	293.81053	6.97911	0.1020370	0.27708933	2.3301802	21	4 16.5	19.4
494517 2016 YN_{10}	17.0	X	125.07297	127.26097	304.45519	24.11989	0.2367253	0.27356646	2.3501422	21	3 21.9	21.0
494518 2016 YA_{11}	17.8	X	184.59895	125.31307	74.27947	22.72023	0.0449579	0.38601503	1.8680991	21	12 13.1	19.3
494519 2016 YD_{11}	16.6	X	30.97731	232.13901	288.17323	23.20927	0.1666538	0.27686155	2.3314581	21	2 8.4	19.0
494520 2016 YN_{12}	16.9	X	89.10099	348.40466	42.20434	11.15026	0.2440181	0.24085685	2.5583702	21	—	—
494521 2016 YT_{12}	15.8	X	346.53475	60.30172	341.14447	15.24968	0.0658250	0.17276428	3.1927635	21	11 8.4	20.3
494522 2016 YU_{12}	16.1	X	153.71214	281.16514	63.73130	14.43149	0.1895138	0.24525255	2.5277087	21	1 16.8	20.1
494523 2016 YX_{12}	16.2	X	295.55893	54.72168	46.67114	17.05406	0.1036181	0.17467946	3.1693838	21	11 13.1	20.1
494524 2016 YE_{13}	16.8	X	63.53978	6.60058	74.47218	14.38513	0.1257244	0.24206038	2.5498829	21	1 7.9	19.6
494525 2017 AU	15.4	X	258.23931	186.36324	310.90939	25.95422	0.1096849	0.17192623	3.2031304	21	10 25.7	20.5
494526 2017 AO_{2}	15.7	X	260.27327	288.81714	229.40482	9.62071	0.0985172	0.17110060	3.2134264	21	12 6.1	20.1
494527 2017 AS_{5}	17.2	X	8.41269	222.68841	276.90961	5.98836	0.1059197	0.25452544	2.4659367	21	—	—
494528 2017 AA_{6}	16.1	X	314.76351	305.02325	105.82232	28.18677	0.3297602	0.17385699	3.1793715	21	9 22.8	19.9
494529 2017 AN_{6}	18.1	X	84.47337	199.72460	286.17010	8.44621	0.1600688	0.27740486	2.3284130	21	4 10.8	20.8
494530 2017 AF_{7}	16.2	X	61.18742	101.19791	333.65186	21.56478	0.0611975	0.22469085	2.6796565	21	—	—
494531 2017 AU_{11}	17.8	X	122.60766	267.50250	194.11503	6.71948	0.0570384	0.28484756	2.2876753	21	4 19.4	20.4
494532 2017 AB_{12}	17.6	X	76.76431	13.14769	120.47608	2.87820	0.1108730	0.27895600	2.3197735	21	4 7.7	19.9
494533 2017 AO_{12}	18.2	X	87.67435	8.28612	115.67143	2.91635	0.1312875	0.28004842	2.3137369	21	4 14.4	20.7
494534 2017 AT_{12}	17.7	X	80.68374	198.73497	321.56721	7.94444	0.1308550	0.28421613	2.2910623	21	5 23.2	20.4
494535 2017 AV_{12}	16.2	X	57.04010	115.23636	329.52258	21.41243	0.0489335	0.22408836	2.6844574	21	1 8.2	19.9
494536 2017 AW_{12}	15.9	X	336.71161	330.93979	120.07357	18.63165	0.1307255	0.18171685	3.0870186	21	—	—
494537 2017 AJ_{14}	16.4	X	0.90849	355.49775	100.81524	15.24269	0.0345862	0.21144808	2.7904027	21	—	—
494538 2017 AN_{14}	16.5	X	49.13814	344.41330	107.97411	14.72555	0.2088703	0.23306235	2.6150980	21	1 3.0	18.7
494539 2017 AA_{15}	17.3	X	38.60374	255.74822	278.29728	1.43369	0.1737917	0.27201920	2.3590456	21	4 1.9	19.1
494540 2017 AD_{15}	17.5	X	71.53045	282.79694	120.36875	6.82996	0.2740872	0.23786742	2.5797606	21	—	—
494541 2017 AE_{17}	17.1	X	108.14506	351.78560	113.98139	7.30423	0.0853454	0.28415120	2.2914113	21	4 13.0	19.9
494542 2017 AF_{17}	18.5	X	98.88753	23.92009	56.18205	2.36912	0.1614201	0.26661105	2.3908406	21	3 6.7	21.3
494543 2017 AX_{17}	17.1	X	74.84378	115.28612	283.50792	7.13147	0.1079562	0.22848612	2.6499001	21	—	—
494544 2017 AB_{18}	17.9	X	98.47728	340.94649	111.75586	5.74205	0.1770117	0.27263931	2.3554672	21	3 27.3	20.7
494545 2017 AL_{20}	17.5	X	39.57671	100.78335	14.86747	27.91280	0.4016803	0.23625211	2.5915062	21	2 9.8	19.4
494546 2017 BZ_{1}	16.3	X	312.15944	110.14099	346.19636	18.07404	0.2176445	0.18212374	3.0824190	21	11 17.5	20.0
494547 2017 BY_{3}	15.8	X	261.22449	20.86714	118.93575	11.84087	0.1350702	0.17087070	3.2163081	21	11 14.0	20.5
494548 2017 BZ_{3}	17.2	X	23.79730	224.22586	310.33195	5.55100	0.0782892	0.26574743	2.3960176	21	3 3.1	19.8
494549 2017 BN_{5}	17.4	X	277.30602	324.36013	92.78768	24.18918	0.1041022	0.35296611	1.9829604	21	9 27.4	20.0
494550 2017 BF_{6}	17.8	X	334.49885	253.87354	132.50798	22.78128	0.0904288	0.37356343	1.9093834	21	11 29.1	20.0
494551 2017 BO_{7}	16.5	X	20.77493	280.00588	167.53243	18.16709	0.1485154	0.21691205	2.7433440	21	—	—
494552 2017 BR_{7}	15.4	X	290.22651	326.19613	166.63254	28.67721	0.1739733	0.17976689	3.1093021	21	12 10.9	19.9
494553 2017 BY_{7}	17.1	X	19.43713	141.14038	327.85447	12.83001	0.2034263	0.22341478	2.6898503	21	—	—
494554 2017 BB_{8}	16.1	X	287.39375	35.61248	88.29212	8.14535	0.1744348	0.17278214	3.1925434	21	11 21.8	20.2
494555 2017 BF_{8}	17.4	X	57.54132	157.52551	21.01242	6.14514	0.0994531	0.28098577	2.3085884	21	5 7.6	19.6
494556 2017 BH_{8}	17.5	X	98.90244	92.16292	65.80543	5.38317	0.0770771	0.29534253	2.2331543	21	6 8.6	20.0
494557 2017 BO_{8}	16.5	X	10.56311	22.10143	97.82543	13.32854	0.0996620	0.21740211	2.7392198	21	—	—
494558 2017 BQ_{8}	15.4	X	209.38949	174.13984	49.33130	11.19062	0.0670750	0.17766972	3.1337218	21	12 29.8	20.1
494559 2017 BT_{8}	17.3	X	134.60849	349.67319	116.59373	7.09670	0.0715732	0.28970433	2.2620354	21	5 15.8	20.3
494560 2017 BW_{8}	16.1	X	16.61876	237.07207	255.58702	13.63480	0.1043204	0.22945797	2.6424125	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494561 2017 BD_{9}	16.2	X	299.25502	312.44952	177.78017	12.44762	0.2091532	0.18143048	3.0902661	21	12 16.2	19.9
494562 2017 BL_{9}	16.8	X	2.45489	223.89873	293.08631	12.32652	0.1959780	0.22705361	2.6610341	21	1 1.2	19.6
494563 2017 BA_{10}	16.9	X	26.25423	309.12508	129.46436	12.64444	0.2386219	0.22180839	2.7028217	21	—	—
494564 2017 BF_{11}	17.6	X	42.99323	137.81954	48.17609	2.42492	0.1287780	0.27339618	2.3511180	21	4 28.0	19.5
494565 2017 BD_{12}	16.0	X	274.49738	80.47064	54.00888	1.73323	0.1366958	0.17129421	3.2110046	21	11 20.2	20.3
494566 2017 BL_{12}	15.9	X	310.17614	239.83348	309.85001	24.07920	0.1217404	0.21357672	2.7718312	21	—	—
494567 2017 BX_{14}	16.5	X	150.26679	23.83365	303.59220	11.86920	0.1464220	0.22614127	2.6681864	21	—	—
494568 2017 BA_{18}	18.1	X	87.33327	217.14017	280.54965	2.08575	0.1690277	0.27901575	2.3194423	21	5 8.5	20.6
494569 2017 BN_{24}	17.4	X	85.86662	309.93679	104.36545	4.47642	0.2435971	0.23836968	2.5761356	21	1 28.2	19.9
494570 2017 BB_{28}	17.1	X	141.63184	69.23314	302.79422	7.57288	0.1789933	0.23907288	2.5710815	21	2 4.2	20.9
494571 2017 BL_{28}	17.4	X	354.71795	308.40665	302.52679	4.95977	0.1773278	0.27387172	2.3483956	21	4 23.6	19.5
494572 2017 BZ_{28}	15.4	X	304.43410	325.03346	146.23536	33.88904	0.0756599	0.17067230	3.2188002	21	12 16.9	20.3
494573 2017 BN_{33}	18.1	X	53.95504	106.03758	307.59232	11.69289	0.2483710	0.22929059	2.6436983	21	—	—
494574 2017 BD_{35}	17.6	X	26.92083	285.38211	272.13272	3.85621	0.1810195	0.26727145	2.3869006	21	4 13.1	19.5
494575 2017 BX_{35}	16.4	X	22.63880	328.77027	108.08668	3.21065	0.0393160	0.20381488	2.8596450	21	—	—
494576 2017 BY_{37}	18.0	X	71.10022	68.66631	57.50486	3.00513	0.1585004	0.26522560	2.3991593	21	3 27.3	20.3
494577 2017 BD_{38}	15.9	X	336.21157	155.71984	321.91560	18.38646	0.2294698	0.20342863	2.8632636	21	—	—
494578 2017 BX_{41}	17.8	X	89.29807	192.93339	293.72203	4.29886	0.1313467	0.27819864	2.3239818	21	4 17.1	20.4
494579 2017 BB_{47}	16.7	X	358.25488	139.25644	343.51324	4.11989	0.0313027	0.21867935	2.7285434	21	—	—
494580 2017 BQ_{54}	18.2	X	265.01015	263.47890	45.32822	4.50431	0.0490924	0.27231469	2.3573388	21	3 23.2	21.2
494581 2017 BC_{58}	17.8	X	109.42292	54.51753	108.64501	6.07141	0.0869045	0.30174810	2.2014375	21	7 3.0	20.5
494582 2017 BM_{59}	17.1	X	292.74653	347.86242	295.68141	7.41517	0.1147640	0.26223552	2.4173621	21	3 10.9	20.4
494583 2017 BE_{64}	17.8	X	111.86368	106.22789	1.00663	5.21134	0.1308514	0.28280612	2.2986711	21	4 22.0	20.7
494584 2017 BH_{65}	16.0	X	324.83942	67.14296	18.92551	9.32369	0.0872783	0.17920967	3.1157439	21	12 8.6	20.1
494585 2017 BF_{68}	17.4	X	159.30610	137.72036	264.00459	5.95674	0.1028965	0.27114295	2.3641254	21	3 17.9	20.8
494586 2017 BW_{73}	18.5	X	111.73496	162.33151	285.45841	4.47631	0.1866422	0.27683130	2.3316280	21	4 2.9	21.5
494587 2017 BK_{85}	16.4	X	247.13143	331.16025	275.85594	12.74106	0.0494040	0.21681354	2.7441749	21	—	—
494588 2017 BU_{87}	16.7	X	7.86207	113.73386	342.03496	8.72772	0.1681219	0.21879569	2.7275761	21	—	—
494589 2017 BH_{88}	17.5	X	59.89500	131.80799	354.53822	5.81667	0.1015970	0.26200280	2.4187933	21	2 28.3	19.9
494590 2017 BU_{89}	17.9	X	288.04580	286.64544	345.26503	6.45416	0.0748612	0.26397201	2.4067490	21	2 27.2	20.9
494591 2017 BD_{94}	16.9	X	61.37474	59.80138	13.35960	14.91785	0.1443563	0.23840506	2.5758806	21	—	—
494592 2017 BQ_{101}	15.6	X	18.75708	258.68703	144.55818	17.56501	0.1289824	0.16885276	3.2418826	21	—	—
494593 2017 BL_{102}	17.5	X	105.97733	256.04836	250.92300	6.31211	0.0408762	0.27861797	2.3216494	21	5 28.5	20.1
494594 2017 BP_{102}	16.2	X	12.00056	26.69526	63.27674	15.98606	0.1103418	0.20389421	2.8589033	21	—	—
494595 2017 BR_{102}	16.5	X	120.51476	359.42407	21.18059	6.74736	0.2599626	0.24474787	2.5311823	21	2 4.7	20.1
494596 2017 BK_{107}	17.1	X	4.99818	204.58182	8.16764	12.66538	0.0997586	0.27669669	2.3323841	21	3 25.9	19.4
494597 2017 BY_{109}	16.5	X	62.39628	183.43410	191.99966	9.11895	0.0599546	0.18844356	3.0131113	21	—	—
494598 2017 BA_{110}	15.5	X	254.43592	270.82280	289.10670	14.09205	0.1368509	0.18620166	3.0372487	21	—	—
494599 2017 BJ_{111}	16.3	X	359.84540	242.37899	247.72765	12.24260	0.1363568	0.21554241	2.7549532	21	—	—
494600 2017 BS_{111}	17.3	X	324.63637	350.61150	85.97034	4.79694	0.2821739	0.18778529	3.0201488	21	11 23.1	19.6
494601 2017 BU_{111}	17.4	X	93.11440	74.17981	335.78042	2.06102	0.1412910	0.24655163	2.5188219	21	1 15.6	20.3
494602 2017 BQ_{112}	16.6	X	339.08527	129.71706	19.41464	9.11890	0.1183523	0.21438669	2.7648453	21	—	—
494603 2017 BB_{114}	16.6	X	346.94185	119.02431	58.73130	15.80406	0.0444914	0.24310453	2.5425764	21	1 23.6	20.1
494604 2017 BL_{116}	17.3	X	56.65143	71.50142	59.43637	8.89327	0.0986507	0.25477200	2.4643455	21	3 7.1	20.1
494605 2017 BG_{121}	15.8	X	167.51292	76.93929	191.82148	13.14395	0.1145003	0.17423345	3.1747902	21	—	—
494606 2017 BN_{122}	15.8	X	109.90175	263.12797	142.20531	22.19698	0.0264870	0.23123620	2.6288482	21	1 19.5	19.4
494607 2017 BJ_{124}	16.9	X	320.77178	148.26518	47.50359	7.71903	0.1095964	0.22667490	2.6639972	21	1 3.4	20.6
494608 2017 BS_{124}	16.6	X	295.30044	125.19416	351.48069	16.46580	0.2223307	0.18150730	3.0893941	21	11 12.3	20.5
494609 2017 BU_{124}	16.6	X	26.10652	24.16773	95.20332	12.86727	0.0334530	0.22605584	2.6688586	21	1 3.6	20.0
494610 2017 BV_{124}	16.2	X	293.48484	65.88224	75.61816	10.85935	0.1199089	0.18148659	3.0896292	21	12 30.3	20.1
494611 2017 BJ_{125}	17.6	X	46.42714	72.14244	357.17168	12.27919	0.2554528	0.22751476	2.6574371	21	—	—
494612 2017 BR_{129}	16.7	X	332.30544	119.98637	9.47500	7.41046	0.2490004	0.20490351	2.8495074	21	—	—
494613 2017 BL_{132}	17.1	X	95.56130	282.54009	99.02190	5.72799	0.0797233	0.21317943	2.7752739	21	—	—
494614 2017 BC_{133}	17.5	X	137.10636	10.53098	13.21174	6.10115	0.1586916	0.24684673	2.5168141	21	2 13.3	21.1
494615 2017 BD_{133}	16.0	X	130.72852	178.08074	128.07874	19.30746	0.0671933	0.18142465	3.0903323	21	—	—
494616 2017 BF_{133}	16.7	X	238.88445	191.98943	33.01387	4.50378	0.1583506	0.18907622	3.0063863	21	—	—
494617 2017 BC_{135}	17.7	X	113.53653	351.47539	94.94343	7.23997	0.0814200	0.26424068	2.4051173	21	3 26.6	20.8
494618 2017 CN	18.3	X	295.55093	281.69027	153.19670	24.84825	0.1076593	0.37145556	1.9166000	21	11 29.6	20.5
494619 2017 CW_{2}	16.9	X	337.50506	301.75543	296.39653	6.36358	0.0715691	0.26842441	2.3800608	21	3 17.5	19.7
494620 2017 CY_{2}	18.1	X	144.18459	224.37951	255.57329	1.91075	0.0985707	0.30519469	2.1848321	21	6 16.6	20.7
494621 2017 CF_{3}	16.4	X	305.85992	345.30874	147.06053	9.65642	0.1467167	0.18514198	3.0488270	21	—	—
494622 2017 CS_{3}	16.9	X	14.85777	38.74207	78.30219	14.31576	0.2149847	0.22776117	2.6555201	21	—	—
494623 2017 CR_{4}	17.0	X	49.95041	60.55485	61.41406	7.38624	0.0834763	0.25293887	2.4762377	21	2 8.3	19.8
494624 2017 CN_{7}	16.7	X	144.08742	336.67170	357.58501	9.53207	0.1120194	0.21360254	2.7716078	21	—	—
494625 2017 CL_{10}	16.7	X	265.00981	73.78425	102.61396	3.83021	0.0495349	0.18586748	3.0408881	21	—	—
494626 2017 CZ_{10}	16.6	X	340.24281	102.61728	337.11664	20.74408	0.3025923	0.17939120	3.1136416	21	—	—
494627 2017 CC_{12}	17.6	X	78.91129	282.55446	147.36165	13.99772	0.1651881	0.23885420	2.5726505	21	1 23.8	20.5
494628 2017 CU_{12}	16.1	X	280.17061	205.76102	336.99349	10.67515	0.0620524	0.17463293	3.1699467	21	—	—
494629 2017 CP_{13}	17.5	X	123.44841	117.30629	303.88876	5.74198	0.1258138	0.26326423	2.4110607	21	3 5.8	20.8
494630 2017 CW_{21}	18.8	X	107.24495	149.66469	358.58905	1.99666	0.1434327	0.29558616	2.2319270	21	6 16.5	21.5
494631 2017 CN_{27}	17.4	X	124.23821	39.54483	347.13011	5.62418	0.2082634	0.24619955	2.5212228	21	2 7.9	20.8
494632 2017 CB_{28}	17.9	X	349.43367	227.76272	26.32960	3.06001	0.1020334	0.28209014	2.3025591	21	4 27.9	19.9
494633 2017 CP_{29}	17.7	X	341.26685	334.05630	184.78651	6.72661	0.1659484	0.21878357	2.7276768	21	—	—
494634 2017 CF_{30}	16.8	X	169.33376	207.13879	121.03164	5.78336	0.0331243	0.22224368	2.6992914	21	—	—
494635 2017 CO_{30}	16.7	X	312.40156	151.43815	328.09514	17.26595	0.1740984	0.17224931	3.1991239	21	12 28.9	20.6
494636 2017 DN_{7}	15.2	X	319.36466	348.23699	78.21193	12.37003	0.0987020	0.15337206	3.4565159	21	11 5.6	19.7
494637 2017 DD_{9}	15.2	X	111.70182	273.77890	82.69204	11.21166	0.0443743	0.18553557	3.0445136	21	—	—
494638 2017 DH_{12}	17.2	X	129.64045	349.11765	65.51274	6.89728	0.1520052	0.25843828	2.4409834	21	3 15.4	20.6
494639 2017 DM_{31}	16.1	X	55.97793	227.76696	140.49014	12.58973	0.0836707	0.17636789	3.1491236	21	—	—
494640 2017 DU_{31}	17.7	X	129.31700	92.54578	345.93481	5.92331	0.1590277	0.27303014	2.3532189	21	4 8.8	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494641 2017 DQ_{45}	18.2	X	118.62803	277.03913	325.73508	17.68875	0.0538707	0.35471549	1.9764354	21	11 1.7	21.1
494642 2017 DG_{48}	15.3	X	264.93106	186.01248	347.01907	27.58645	0.1300719	0.17569405	3.1571703	21	12 31.1	20.1
494643 2017 DU_{70}	16.0	X	339.65268	158.12197	327.71030	8.19732	0.0949046	0.19330462	2.9623832	21	—	—
494644 2017 DE_{73}	17.5	X	17.80193	140.13900	351.89261	1.60310	0.1505658	0.22601849	2.6691526	21	—	—
494645 2017 DE_{76}	16.5	X	21.16336	349.72918	165.39826	12.70380	0.1044657	0.22726132	2.6594124	21	2 7.5	19.5
494646 2017 DS_{77}	16.9	X	359.24158	350.48154	229.77383	4.83070	0.1069016	0.26182256	2.4199033	21	3 26.2	19.6
494647 2017 DX_{78}	17.4	X	3.49360	290.17256	309.24742	5.87644	0.0655384	0.28077623	2.3097368	21	5 1.2	19.9
494648 2017 DH_{79}	16.5	X	53.97089	261.42659	167.69211	12.36454	0.1031228	0.21323347	2.7748050	21	—	—
494649 2017 DJ_{79}	17.7	X	68.44955	266.58313	291.80472	4.79817	0.0781795	0.29179605	2.2512122	21	6 23.6	20.2
494650 2017 DZ_{83}	17.8	X	68.74073	4.31053	152.47287	5.53756	0.1472740	0.26663111	2.3907207	21	5 6.8	20.3
494651 2017 DF_{85}	17.0	X	52.78969	125.13973	37.81072	6.25153	0.0852054	0.25751699	2.4468018	21	4 9.9	19.6
494652 2017 DM_{94}	16.2	X	330.40274	151.61763	301.80786	7.92719	0.1077362	0.16904382	3.2394393	21	12 25.3	20.2
494653 2017 DH_{107}	17.4	X	21.48459	145.58093	90.15958	7.02663	0.1950343	0.27879303	2.3206774	21	6 7.7	18.8
494654 1995 ST_{28}	18.2	X	314.99420	183.02733	159.62615	0.80093	0.2207165	0.26249313	2.4157802	21	6 23.9	20.6
494655 1998 WX_{38}	13.5	X	286.63403	224.13573	231.39787	30.89839	0.0807167	0.08246374	5.2274999	21	10 12.5	20.5
494656 2000 CD_{127}	16.6	X	48.01756	332.64414	133.24540	10.26423	0.0675751	0.18683060	3.0304285	21	1 26.6	20.3
494657 2000 TP_{40}	16.9	X	216.44158	331.67702	44.97497	10.41804	0.2956230	0.21998338	2.7177498	21	4 19.4	21.8
494658 2000 UG_{11}	20.4	X	241.02847	240.78394	223.99311	8.90763	0.5717569	0.36763194	1.9298663	21	7 31.0	24.3
494659 2000 YQ_{13}	18.1	X	266.18731	300.63967	284.35997	18.87823	0.0634842	0.38643723	1.8667382	21	—	—
494660 2001 RP_{47}	17.8	X	148.36117	80.73901	9.83965	21.83413	0.1234089	0.37991061	1.8880570	21	4 28.4	20.2
494661 2001 RO_{75}	17.2	X	219.03002	0.14970	28.27624	8.86531	0.3923696	0.23056359	2.6339584	21	4 29.4	22.3
494662 2001 RT_{100}	17.2	X	267.53512	327.22076	22.53040	3.93939	0.2751897	0.23660829	2.5889048	21	4 24.5	21.4
494663 2001 SG_{117}	17.7	X	26.50146	111.50690	206.19806	6.88266	0.1885328	0.29931361	2.2133584	21	11 5.2	19.8
494664 2001 TZ_{18}	16.6	X	85.78315	358.24419	22.20834	13.66089	0.2972032	0.21273911	2.7791020	21	—	—
494665 2001 TQ_{84}	17.4	X	297.34735	146.33620	196.55079	3.09390	0.2911722	0.23841146	2.5758345	21	5 16.2	20.6
494666 2001 UT_{31}	17.0	X	303.58892	259.90866	60.67768	4.78618	0.2511659	0.23648472	2.5898066	21	4 30.8	20.3
494667 2001 WX_{1}	15.8	X	235.98666	46.22707	304.14692	23.23022	0.5706850	0.13285943	3.8037134	21	3 13.9	23.5
494668 2002 AH_{19}	17.5	X	232.64519	206.62935	268.89190	20.04959	0.0754074	0.39003120	1.8552530	21	9 28.2	20.0
494669 2002 CG_{226}	16.8	X	130.96607	289.42238	142.86430	17.89489	0.3046989	0.21686489	2.7437417	21	4 30.1	21.7
494670 2002 MQ_{1}	18.2	X	321.16893	113.60295	202.55100	19.60873	0.3389844	0.30658293	2.1782317	21	4 28.8	20.2
494671 2002 QK_{81}	18.2	X	309.51046	226.27548	98.44035	4.39745	0.1808500	0.25276373	2.4773815	21	5 26.1	20.9
494672 2002 RE_{267}	17.1	X	130.69194	286.04735	77.60928	0.16063	0.1352470	0.17672378	3.1448944	21	1 19.7	21.7
494673 2002 SM_{61}	16.8	X	165.47377	135.38188	223.47121	2.84576	0.1961636	0.18267468	3.0762182	21	2 19.1	21.9
494674 2002 TC_{311}	16.8	X	130.89086	302.23964	75.86488	9.62904	0.0814952	0.17660865	3.1462610	21	2 1.6	21.5
494675 2002 VX_{14}	15.9	X	146.53660	8.93637	351.44155	6.11931	0.3366408	0.12424970	3.9774600	21	2 22.6	22.6
494676 2002 VD_{111}	16.3	X	353.70660	154.87134	256.88148	12.82117	0.1837939	0.21117038	2.7928486	21	12 26.9	19.3
494677 2003 SJ_{111}	18.5	X	197.46975	111.02506	189.12311	6.74539	0.2511659	0.30136530	2.2033013	21	—	—
494678 2003 SQ_{116}	17.3	X	208.32770	76.39532	253.19208	2.65161	0.1323586	0.19528788	2.9422926	21	2 18.6	22.0
494679 2003 SZ_{197}	17.8	X	346.68552	256.55817	67.86186	3.07006	0.2310258	0.27116082	2.3640215	21	8 14.4	19.0
494680 2003 SC_{393}	18.3	X	5.42377	155.41139	170.66736	12.02908	0.2824428	0.27412347	2.3469576	21	10 22.3	20.0
494681 2003 SE_{427}	16.7	X	50.21873	289.65780	177.77913	10.55756	0.0841038	0.19005677	2.9960368	21	1 30.1	20.6
494682 2003 TJ_{54}	16.4	X	153.41014	319.37421	46.61175	10.72036	0.1005638	0.18886612	3.0086154	21	2 14.0	21.1
494683 2003 WJ_{15}	17.5	X	256.99712	36.49966	49.96975	7.55429	0.0755722	0.26838779	2.3802772	21	9 21.9	20.5
494684 2003 WO_{163}	16.6	X	206.18501	287.44435	53.37815	8.06406	0.2185305	0.19053087	2.9910648	21	3 7.1	21.8
494685 2004 BK_{77}	17.1	X	21.99831	258.92208	307.67716	12.30772	0.1726358	0.23964448	2.5669915	21	4 15.5	19.9
494686 2004 CD_{50}	18.2	X	318.14648	12.93779	142.93581	24.29035	0.0413102	0.39174283	1.8498450	21	—	—
494687 2004 ED_{25}	16.9	X	18.09928	69.87329	131.54687	13.53539	0.2278269	0.23294492	2.6159768	21	4 14.5	19.3
494688 2004 FN_{53}	17.5	X	342.58685	253.99815	357.54360	2.93803	0.1754803	0.23466602	2.6031703	21	4 8.2	20.1
494689 2004 JR	18.8	X	184.95419	139.56996	209.51097	45.46286	0.6459455	0.37910264	1.8907387	21	2 18.8	23.8
494690 2004 JQ_{1}	20.0	X	341.12718	272.64123	77.06840	32.83383	0.4500714	0.75595096	1.1934575	21	—	—
494691 2004 MB_{2}	17.2	X	50.27629	44.13795	117.95620	13.77624	0.1908865	0.22854105	2.6494755	21	4 27.2	20.3
494692 2004 PL_{26}	17.2	X	268.44726	144.25436	170.37957	14.09379	0.2705875	0.21829045	2.7317831	21	3 16.3	21.8
494693 2004 PT_{63}	17.9	X	64.57434	38.47172	320.78733	3.25430	0.1760765	0.30582652	2.1818218	21	—	—
494694 2004 RS_{96}	17.1	X	299.24940	110.04114	204.25806	12.65593	0.3061871	0.22152845	2.7050982	21	4 9.2	20.9
494695 2004 RR_{328}	17.8	X	74.26844	1.31511	341.25759	5.88044	0.2125257	0.30249998	2.1977881	21	—	—
494696 2004 RN_{335}	19.5	X	58.18519	242.67311	70.43079	8.83803	0.4158581	0.30004878	2.2097415	21	12 31.8	23.4
494697 2004 SW_{55}	20.7	X	267.82827	352.78356	75.15347	8.78745	0.3336103	0.57816523	1.4270354	21	8 18.4	20.6
494698 2004 TL_{13}	16.2	X	244.24092	92.63249	240.75008	27.22258	0.3996597	0.21123218	2.7923038	21	3 3.3	22.1
494699 2004 TS_{92}	16.6	X	192.25420	156.95858	209.53043	14.88535	0.1511483	0.20605957	2.8388396	21	3 16.9	21.5
494700 2004 TR_{100}	17.2	X	272.03166	263.89716	76.87476	9.08129	0.3339500	0.21946520	2.7220260	21	4 17.1	21.8
494701 2004 TF_{242}	17.7	X	64.98324	146.15168	242.76338	19.35361	0.0897410	0.36407017	1.9424327	21	—	—
494702 2004 VK_{59}	17.1	X	129.49633	36.36745	45.49117	13.84533	0.1535123	0.26143459	2.4222968	21	4 18.9	20.5
494703 2004 XN_{62}	17.0	X	343.66805	262.76778	101.76072	22.74779	0.3451833	0.28620778	2.2804213	21	11 21.7	18.5
494704 2004 YK_{36}	15.9	X	292.56803	225.61724	311.81972	26.76377	0.1873738	0.17502209	3.1652460	21	—	—
494705 2005 ED_{76}	18.0	X	79.42789	181.07124	349.35943	2.11882	0.1372009	0.25451412	2.4660098	21	6 9.8	20.9
494706 2005 GL_{9}	16.6	X	91.98718	162.17875	225.62233	20.02724	0.8959860	0.31439314	2.1420060	21	3 26.0	20.6
494707 2005 GD_{219}	17.3	X	28.55818	107.54136	41.75854	25.83054	0.2283423	0.24275460	2.5450192	21	2 25.4	20.2
494708 2005 JY_{74}	17.6	X	183.14015	160.51703	92.03494	11.25079	0.2215821	0.27750239	2.3278674	21	—	—
494709 2005 LP_{19}	17.5	X	303.18831	171.93241	163.64002	5.99044	0.2564263	0.24469849	2.5315229	21	5 20.3	20.6
494710 2005 MO_{13}	20.8	X	217.81041	250.18424	176.58850	6.31546	0.4106987	1.22857387	0.8633798	21	5 20.8	19.1
494711 2005 NL_{85}	17.6	X	1.65158	157.64739	125.70624	3.43557	0.1295073	0.24555505	2.5256324	21	7 8.9	19.9
494712 2005 NG_{122}	17.5	X	296.09613	78.29053	249.30698	5.52138	0.2549464	0.23813156	2.5778526	21	4 27.8	20.9
494713 2005 OU_{2}	19.1	X	142.39090	310.16013	127.35359	47.78371	0.3733350	0.71836835	1.2347279	21	5 14.9	21.8
494714 2005 QS_{40}	17.1	X	269.08252	173.40876	173.31282	14.36637	0.2721806	0.23423111	2.6063916	21	4 25.9	21.4
494715 2005 QB_{82}	18.2	X	288.13538	232.93347	136.76695	6.17027	0.2196722	0.30200272	2.2001999	21	6 19.4	20.7
494716 2005 SQ_{89}	17.4	X	251.52350	147.45805	208.23077	2.83883	0.0873188	0.22762937	2.6565450	21	5 6.5	21.0
494717 2005 SE_{121}	16.9	X	262.27538	0.60078	326.97630	3.31293	0.1823469	0.22778399	2.6553427	21	3 31.8	21.0
494718 2005 SF_{151}	17.1	X	338.87460	24.80226	31.70061	5.05415	0.2819218	0.18687568	3.0299411	21	11 30.5	19.7
494719 2005 SD_{171}	17.3	X	230.60902	141.01992	213.29344	6.02971	0.1155729	0.22557450	2.6726538	21	4 8.5	21.3
494720 2005 SM_{171}	17.0	X	248.89946	319.61786	351.02819	6.24550	0.0275132	0.22079205	2.7111097	21	3 12.8	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494721 2005 SO_{191}	17.0	X	153.82398	328.59422	91.81662	3.57555	0.0807106	0.21998584	2.7177295	21	4 13.5	21.0
494722 2005 SD_{233}	16.9	X	269.47323	132.75772	207.74670	18.07982	0.2806625	0.22988117	2.6391685	21	4 14.9	21.3
494723 2005 SA_{245}	17.2	X	312.05469	90.87845	196.86954	14.23495	0.1228782	0.22888568	2.6468153	21	4 19.7	20.4
494724 2005 SX_{256}	17.1	X	252.99192	324.62601	13.17716	12.18051	0.1840767	0.22851984	2.6496394	21	4 5.2	21.4
494725 2005 SR_{289}	18.2	X	58.87161	238.95728	19.85546	6.86234	0.0482483	0.30246816	2.1979422	21	9 7.2	20.6
494726 2005 TF_{3}	17.1	X	286.85982	177.89768	183.24649	7.07658	0.3980155	0.23640594	2.5903819	21	5 14.9	21.2
494727 2005 TL_{183}	16.5	X	213.34073	262.19868	100.18572	12.02562	0.1884927	0.22244919	2.6976286	21	4 6.8	21.2
494728 2005 UA_{5}	17.3	X	128.79092	34.54439	359.93038	6.88826	0.0988867	0.21062304	2.7976849	21	2 15.1	21.2
494729 2005 UG_{38}	16.7	X	135.47439	0.89720	53.33679	14.24890	0.1566157	0.21278723	2.7786831	21	3 30.3	21.1
494730 2005 UT_{50}	16.6	X	249.00259	133.07015	235.97141	8.70893	0.2229039	0.22885028	2.6470883	21	5 6.9	20.7
494731 2005 UR_{74}	17.0	X	276.43293	114.47846	237.06749	5.13443	0.3481273	0.23218393	2.6216897	21	4 27.3	21.1
494732 2005 UV_{107}	16.6	X	30.23922	303.34075	61.60641	9.70912	0.1061889	0.18775497	3.0204739	21	12 7.3	20.6
494733 2005 UF_{115}	18.2	X	192.10951	234.63774	246.20447	2.09003	0.0691012	0.29809110	2.2194058	21	8 14.1	20.9
494734 2005 UC_{133}	17.3	X	287.55030	104.23577	216.66847	3.17965	0.2252805	0.23082916	2.6319377	21	4 14.6	21.2
494735 2005 UA_{242}	17.8	X	159.38994	352.80099	36.11622	8.80167	0.2958495	0.21450437	2.7638340	21	3 27.5	22.7
494736 2005 UC_{337}	17.6	X	104.44515	55.82064	31.97114	2.55150	0.0152419	0.21558077	2.7546264	21	3 10.2	21.2
494737 2005 UP_{395}	17.8	X	272.78112	186.38067	123.48730	0.77336	0.0282372	0.22269532	2.6956406	21	4 10.9	21.4
494738 2005 UC_{431}	17.4	X	204.24684	97.65264	252.67073	4.75345	0.0601519	0.21498089	2.7597483	21	3 7.8	21.5
494739 2005 UA_{454}	17.4	X	208.94733	248.34476	103.87949	5.58594	0.1178353	0.21643302	2.7473903	21	3 19.7	21.7
494740 2005 UA_{511}	17.3	X	101.42926	248.23344	223.83555	3.32221	0.0631208	0.21616464	2.7496639	21	4 12.1	21.0
494741 2005 UP_{520}	17.4	X	290.80427	142.18586	160.21149	5.70560	0.1673416	0.22833357	2.6510802	21	4 4.5	21.1
494742 2005 VM	18.0	X	76.38122	351.28860	42.42056	27.07504	0.0785207	0.38843995	1.8603163	21	—	—
494743 2005 VF_{17}	16.5	X	239.50167	111.97839	243.07624	5.34304	0.0674195	0.22483305	2.6785265	21	4 22.4	20.4
494744 2005 VG_{60}	18.1	X	115.12004	104.83466	117.30107	6.72872	0.1012799	0.30287251	2.1959856	21	10 8.3	21.1
494745 2005 VE_{84}	17.7	X	241.43352	336.60422	10.01632	2.61535	0.1150718	0.22285998	2.6943126	21	4 10.8	21.7
494746 2005 WQ_{56}	17.8	X	292.36410	228.16206	245.27469	18.25043	0.1080699	0.37471908	1.9054557	21	—	—
494747 2005 WG_{65}	17.7	X	169.66668	244.01373	243.98211	7.40297	0.0950785	0.29455437	2.2371361	21	7 25.8	20.9
494748 2005 WU_{119}	17.0	X	264.39614	297.24655	64.88656	12.63277	0.3185073	0.22974449	2.6402151	21	5 6.1	21.3
494749 2005 WL_{172}	16.7	X	12.86988	109.32345	75.28085	9.14785	0.0323784	0.21228686	2.7830477	21	3 18.5	20.5
494750 2005 WZ_{180}	16.1	X	314.56568	327.57103	97.62006	19.02150	0.1998733	0.18160271	3.0883120	21	10 29.9	19.9
494751 2005 WG_{186}	16.5	X	1.31582	348.24838	117.99467	8.32364	0.1640404	0.18949092	3.0019983	21	—	—
494752 2005 WJ_{197}	17.3	X	259.79716	279.80619	49.31082	12.28657	0.1032735	0.22412947	2.6841291	21	4 13.6	21.3
494753 2005 YJ_{9}	17.2	X	282.53721	65.70213	261.86407	4.49227	0.3035445	0.22765645	2.6563344	21	4 6.9	21.3
494754 2005 YU_{141}	16.4	X	324.16793	69.74438	97.93015	11.06911	0.1747508	0.19179891	2.9778669	21	—	—
494755 2005 YR_{143}	17.0	X	304.65312	243.25875	312.43742	7.65239	0.3389361	0.18771604	3.0208915	21	—	—
494756 2005 YE_{291}	18.3	X	228.52126	348.15548	63.23243	1.29621	0.0138357	0.28372207	2.2937212	21	6 28.8	20.9
494757 2006 BZ_{92}	17.4	X	349.61897	11.83215	150.48909	10.16624	0.0783367	0.19165629	2.9793441	21	1 11.6	21.4
494758 2006 BO_{108}	18.2	X	129.97818	192.54989	329.38431	5.53973	0.0974685	0.28256638	2.2999712	21	7 29.8	21.3
494759 2006 BH_{279}	18.4	X	57.15536	73.91895	142.29436	3.01131	0.1550563	0.27730726	2.3289592	21	7 15.4	20.6
494760 2006 DX_{12}	16.2	X	292.71239	184.21586	300.58850	13.68971	0.2019992	0.17936014	3.1140011	21	11 25.6	20.1
494761 2006 DE_{23}	18.4	X	55.94001	105.87336	121.25544	3.05127	0.1586060	0.27532543	2.3401220	21	7 31.2	20.9
494762 2006 DX_{108}	16.4	X	331.40164	192.07594	343.68716	9.30454	0.0401933	0.18766305	3.0214601	21	1 12.3	20.6
494763 2006 DD_{133}	18.9	X	113.56190	57.26631	104.31348	2.97993	0.1405080	0.27694297	2.3310012	21	7 13.3	22.1
494764 2006 FU_{17}	18.1	X	28.58102	102.15461	160.97145	2.39580	0.1887708	0.27109207	2.3644212	21	8 10.1	20.1
494765 2006 GU_{34}	16.2	X	322.63966	117.54606	53.24914	12.97211	0.2335786	0.18423807	3.0587910	21	—	—
494766 2006 HH_{12}	16.5	X	224.93038	226.62351	66.11181	11.55529	0.1036504	0.18181969	3.0858545	21	1 28.2	21.5
494767 2006 HQ_{26}	16.3	X	204.62188	217.35752	98.35169	11.47919	0.0982248	0.17993079	3.1074136	21	2 4.0	21.2
494768 2006 HE_{73}	18.5	X	20.24873	74.29286	196.29753	7.16665	0.1528367	0.26929976	2.3749004	21	7 27.9	20.7
494769 2006 HQ_{85}	17.3	X	39.96688	65.18641	200.73577	21.88676	0.1727965	0.27503058	2.3417942	21	8 28.9	20.2
494770 2006 HM_{102}	17.9	X	1.19358	43.75218	197.63452	5.00207	0.1894616	0.26163757	2.4210438	21	4 27.4	19.6
494771 2006 JG_{3}	17.0	X	228.96858	275.33647	44.82490	2.78055	0.2872395	0.18304701	3.0720454	21	2 24.5	22.6
494772 2006 JD_{15}	17.9	X	4.60757	268.72974	41.47649	6.31556	0.2288371	0.27350852	2.3504741	21	9 13.4	19.5
494773 2006 JE_{27}	17.8	X	25.97124	206.56180	48.49329	12.82123	0.2293662	0.26879067	2.3778982	21	8 3.6	20.0
494774 2006 JF_{33}	16.9	X	306.58435	26.60950	168.61108	10.89784	0.0795930	0.17946367	3.1128034	21	—	—
494775 2006 KL_{26}	16.0	X	258.56726	127.80343	111.52068	16.68113	0.1544476	0.17876568	3.1209007	21	—	—
494776 2006 KS_{32}	18.3	X	111.34167	81.42558	79.70407	3.76874	0.1489949	0.26994067	2.3711398	21	7 11.2	21.6
494777 2006 KN_{44}	16.7	X	319.17109	73.53866	106.48376	15.43530	0.1388222	0.18204318	3.0833284	21	—	—
494778 2006 KX_{70}	16.0	X	142.93979	293.48431	71.78993	17.12317	0.2268226	0.17581847	3.1556807	21	2 17.9	21.4
494779 2006 KC_{94}	16.5	X	313.06192	119.79183	74.87874	16.80105	0.1153602	0.18015065	3.1048848	21	1 1.4	20.9
494780 2006 QN_{72}	17.2	X	151.66021	233.50998	136.34448	4.37990	0.1850077	0.23080229	2.6321419	21	2 14.5	21.3
494781 2006 SR_{86}	17.2	X	81.80742	7.62104	13.54633	5.13977	0.1648006	0.21594626	2.7515174	21	—	—
494782 2006 SX_{117}	19.3	X	138.51944	350.44551	7.79783	0.66952	0.2203201	0.29053267	2.2577338	21	1 11.1	22.1
494783 2006 SL_{366}	17.6	X	170.96014	347.85555	25.63868	7.93228	0.1483186	0.29539424	2.2328936	21	3 1.5	20.8
494784 2006 TN_{37}	16.9	X	122.33135	322.31212	33.40653	6.95039	0.0644464	0.21619982	2.7493656	21	—	—
494785 2006 TJ_{44}	17.8	X	160.58979	357.45399	47.63283	2.20520	0.1993302	0.23149090	2.6269195	21	4 7.8	21.9
494786 2006 TL_{67}	17.3	X	237.61235	118.78290	246.04186	12.73817	0.1478173	0.24284601	2.5443805	21	4 23.9	21.4
494787 2006 TF_{83}	16.6	X	61.95273	77.75061	24.39028	22.19698	0.0429007	0.22411077	2.6842785	21	2 12.7	20.5
494788 2006 TD_{126}	17.6	X	63.12752	70.87775	43.18888	12.55705	0.2237164	0.22302608	2.6929747	21	3 18.7	20.6
494789 2006 UB_{61}	17.4	X	224.89024	133.78992	238.94155	9.16116	0.1551068	0.23892201	2.5721637	21	4 22.1	21.6
494790 2006 UR_{169}	16.3	X	71.17688	318.83015	39.36856	25.89838	0.1329873	0.20947423	2.8079044	21	—	—
494791 2006 UW_{217}	17.8	X	206.89538	168.71108	214.22950	13.34146	0.2887726	0.23884962	2.5726834	21	4 17.3	22.4
494792 2006 UY_{282}	17.0	X	140.44613	295.28466	20.24043	4.04317	0.0918564	0.21366144	2.7710984	21	—	—
494793 2006 UU_{336}	17.2	X	63.32835	264.93907	234.41263	11.74192	0.2162524	0.22502703	2.6769870	21	4 13.4	20.2
494794 2006 VU_{13}	17.7	X	95.70061	174.74936	241.33667	18.03493	0.1011036	0.35483167	1.9760039	21	—	—
494795 2006 WM_{175}	17.8	X	255.90912	309.41592	94.72234	3.41944	0.1061995	0.24628036	2.5206712	21	7 13.1	21.3
494796 2006 WV_{181}	17.2	X	283.03488	68.29428	243.98758	10.87385	0.0559788	0.23506303	2.6002384	21	4 19.3	20.8
494797 2006 XY_{9}	16.9	X	62.31921	14.76700	82.70123	5.45588	0.0676908	0.21579001	2.7528454	21	1 31.5	20.3
494798 2006 XL_{59}	16.6	X	290.39500	258.97907	87.84063	13.09500	0.2312887	0.24083296	2.5585393	21	5 23.5	20.1
494799 2006 YV_{18}	16.6	X	136.98241	149.75251	315.94471	12.65568	0.2077384	0.22757911	2.6569361	21	5 30.6	21.1
494800 2006 YV_{42}	17.8	X	168.75283	182.36543	296.33022	17.17123	0.0865764	0.37240966	1.9133251	21	7 15.4	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494801 2007 AA_{17}	16.8	X	0.75901	227.78591	300.47113	7.51418	0.2213283	0.21112519	2.7932470	21	1 14.7	19.8
494802 2007 BS_{17}	16.4	X	74.87158	68.30523	105.40331	15.14291	0.2286307	0.22193219	2.7018165	21	6 24.6	20.0
494803 2007 CU_{36}	17.8	X	0.89520	34.00349	136.97885	7.54739	0.1716395	0.21008045	2.8025000	21	1 24.9	21.0
494804 2007 DU_{69}	17.6	X	85.64603	81.16828	120.30489	4.14408	0.2460743	0.29494607	2.2351550	21	8 20.0	20.6
494805 2007 DS_{85}	17.0	X	309.73869	108.32993	155.96164	6.10337	0.0278063	0.21672057	2.7449596	21	4 1.7	20.6
494806 2007 HZ_{39}	18.3	X	60.35689	219.88962	60.24325	7.49403	0.1648090	0.29996746	2.2101409	21	10 28.1	21.0
494807 2007 JF_{37}	16.6	X	216.32159	232.27552	93.30199	13.11903	0.0439876	0.19814466	2.9139435	21	2 28.8	21.1
494808 2007 LV_{37}	16.0	X	182.06720	70.74172	254.35696	8.59486	0.2158488	0.17539841	3.1607170	21	1 25.7	21.5
494809 2007 RH_{143}	17.0	X	1.23491	55.06539	328.60294	8.29657	0.2461647	0.21809412	2.7334224	21	12 13.6	19.8
494810 2007 RB_{150}	14.9	X	225.47636	223.44598	199.70680	15.71464	0.2424716	0.12381140	3.9868415	21	6 22.2	21.6
494811 2007 RE_{155}	16.6	X	138.92776	85.67758	267.45582	0.86733	0.0865421	0.17131217	3.2107801	21	1 11.4	21.3
494812 2007 RS_{202}	16.6	X	174.55752	135.80587	194.21745	11.42848	0.1014953	0.17101783	3.2144632	21	1 20.2	21.7
494813 2007 RF_{239}	17.8	X	298.56519	292.63437	44.05658	6.15337	0.2793595	0.27160394	2.3614496	21	5 7.9	20.6
494814 2007 RC_{278}	18.0	X	120.71444	313.45219	20.23863	20.92480	0.0916651	0.37695592	1.8979102	21	—	—
494815 2007 RA_{308}	16.6	X	238.31452	124.96011	169.11216	13.43636	0.1256665	0.18114454	3.0935173	21	2 6.3	21.5
494816 2007 SG	15.8	X	174.65813	176.69768	192.40130	18.14158	0.2638639	0.17988362	3.1079567	21	3 12.3	21.4
494817 2007 SD_{22}	17.9	X	338.83654	345.25650	340.56404	5.59540	0.1983089	0.27602205	2.3361830	21	7 27.1	19.4
494818 2007 TX_{10}	16.1	X	193.50723	308.05023	21.29870	23.79874	0.2503238	0.17599319	3.1535918	21	2 22.4	22.0
494819 2007 TP_{39}	17.8	X	321.98460	305.91442	46.75278	3.12109	0.2377826	0.27498252	2.3420671	21	7 24.5	19.6
494820 2007 TK_{43}	18.1	X	30.85200	164.50524	189.47130	2.96610	0.1792274	0.28735152	2.2743662	21	12 27.6	20.8
494821 2007 TN_{80}	17.9	X	318.51286	227.91914	117.88157	2.25978	0.2217270	0.27428314	2.3460467	21	7 6.1	19.6
494822 2007 TT_{104}	18.4	X	283.22653	32.82309	66.99178	3.73335	0.1257152	0.28174985	2.3044127	21	11 12.0	20.4
494823 2007 TC_{110}	17.9	X	21.63898	351.46826	35.04064	21.24302	0.0762389	0.36239561	1.9484119	21	—	—
494824 2007 TA_{137}	15.9	X	221.01123	78.82686	242.32337	15.46948	0.2815338	0.18160589	3.0882760	21	2 13.2	21.8
494825 2007 TT_{145}	18.3	X	312.76057	317.73093	36.73294	2.81504	0.2278184	0.27499481	2.3419973	21	7 7.5	20.3
494826 2007 TE_{165}	17.8	X	302.86399	107.96296	262.74657	3.93171	0.1682866	0.27392907	2.3480678	21	7 23.9	20.3
494827 2007 TF_{199}	18.5	X	5.46792	102.12258	220.17763	4.33825	0.2692077	0.28048577	2.3113311	21	10 10.4	19.9
494828 2007 TP_{229}	18.2	X	356.29214	98.47403	212.33046	1.91233	0.2080136	0.27439762	2.3453940	21	8 14.7	19.5
494829 2007 TM_{248}	16.7	X	17.29955	322.94226	66.86752	10.73631	0.2338937	0.21754657	2.7380070	21	—	—
494830 2007 TG_{253}	16.9	X	193.28242	298.31024	57.30817	1.89210	0.1871134	0.17913310	3.1166317	21	3 11.9	22.1
494831 2007 TJ_{288}	18.4	X	342.25026	185.81831	152.90462	4.11561	0.2666416	0.27880047	2.3206361	21	8 26.5	19.0
494832 2007 TS_{298}	17.0	X	211.24556	283.86225	15.70315	0.89744	0.1529004	0.17554067	3.1590091	21	1 21.7	22.2
494833 2007 TW_{299}	16.6	X	263.60417	184.54496	218.17058	2.09714	0.2621138	0.12510785	3.9592508	21	6 29.8	22.6
494834 2007 TO_{428}	17.4	X	331.52072	278.45575	64.07165	9.75261	0.2241994	0.27694209	2.3310061	21	8 6.6	19.1
494835 2007 TD_{431}	16.6	X	5.72876	282.62181	45.43863	8.07618	0.1194755	0.20503543	2.8482850	21	9 21.9	20.0
494836 2007 UR_{9}	18.2	X	354.38722	175.15902	168.09559	7.16476	0.3032245	0.28193058	2.3034278	21	10 27.9	19.3
494837 2007 UM_{96}	16.7	X	228.51458	310.58059	39.48331	2.85512	0.2723713	0.18329162	3.0693116	21	3 30.0	22.0
494838 2007 UU_{104}	17.9	X	323.16271	291.18322	68.71249	8.94623	0.3305495	0.27524297	2.3405894	21	7 22.9	19.4
494839 2007 VL_{334}	16.1	X	212.95344	281.95749	77.81038	16.63744	0.2225918	0.17758478	3.1347209	21	4 8.4	21.7
494840 2007 WJ_{1}	18.5	X	49.73363	155.50445	240.07572	19.36124	0.1030235	0.36855888	1.9266292	21	—	—
494841 2007 XC_{16}	16.6	X	5.91608	333.02152	61.70512	10.45618	0.3206951	0.21464878	2.7625942	21	—	—
494842 2007 YH_{14}	18.0	X	96.30945	55.09728	57.09277	5.93669	0.1725029	0.23894726	2.5719825	21	4 21.9	21.3
494843 2008 AO_{25}	17.5	X	44.18817	88.95367	94.84560	3.46788	0.1356782	0.23656985	2.5891852	21	5 3.6	20.2
494844 2008 AN_{28}	16.9	X	6.17105	219.60359	338.84056	11.49622	0.1323584	0.22801781	2.6535272	21	3 11.3	19.7
494845 2008 AQ_{33}	17.9	X	285.99779	222.38837	292.68076	17.76798	0.0694379	0.35746986	1.9662697	21	—	—
494846 2008 AY_{76}	18.0	X	14.80860	121.36994	65.21358	3.98305	0.1780954	0.23233984	2.6205167	21	3 11.5	20.4
494847 2008 CO_{5}	17.5	X	28.47342	357.88982	170.73352	7.09308	0.2839362	0.22873573	2.6479720	21	3 14.6	19.1
494848 2008 CR_{6}	17.6	X	348.23687	78.86892	121.65671	13.99685	0.2079013	0.23021651	2.6366050	21	2 2.4	20.5
494849 2008 CA_{48}	16.2	X	64.93917	142.81661	300.63345	12.60516	0.2219891	0.22515778	2.6759505	21	1 28.4	18.6
494850 2008 CZ_{77}	16.0	X	115.87161	78.41500	134.02121	16.52802	0.3002579	0.17861124	3.1226995	21	10 1.9	21.6
494851 2008 CY_{137}	17.4	X	5.97377	210.88696	351.61487	8.66078	0.0918202	0.23014692	2.6371364	21	3 20.2	20.3
494852 2008 CC_{154}	17.2	X	328.72324	164.53333	106.36396	5.56404	0.2387439	0.23127820	2.6285299	21	4 5.3	20.2
494853 2008 CT_{205}	15.7	X	231.12078	40.29443	135.06467	10.60270	0.1759076	0.12414678	3.9796580	21	11 11.2	21.9
494854 2008 CN_{210}	17.2	X	63.33968	82.41725	71.85326	10.03944	0.1976163	0.23470389	2.6028903	21	5 5.9	20.1
494855 2008 CX_{214}	16.7	X	359.40933	246.38016	315.58688	11.68050	0.2092054	0.22637957	2.6663136	21	2 22.7	19.4
494856 2008 DY_{48}	16.9	X	21.72137	78.10942	108.08468	13.42426	0.2062307	0.22954776	2.6417234	21	4 1.4	19.5
494857 2008 DD_{53}	17.3	X	349.61523	65.43984	181.91089	14.10802	0.2315286	0.22944333	2.6425249	21	4 11.6	19.7
494858 2008 EZ_{11}	17.3	X	338.54871	176.89846	66.66870	6.36763	0.1235988	0.22919288	2.6444497	21	4 2.0	20.4
494859 2008 ET_{17}	17.5	X	9.78871	346.37517	204.91107	16.64440	0.1465652	0.22497747	2.6773801	21	3 5.1	20.7
494860 2008 ER_{26}	16.8	X	357.13294	243.24860	324.65534	12.35898	0.2188615	0.22632453	2.6667459	21	2 25.9	19.3
494861 2008 EH_{36}	17.4	X	61.88363	328.39833	165.90511	13.33667	0.1991088	0.22845850	2.6501137	21	4 5.4	20.2
494862 2008 EB_{38}	17.6	X	32.45645	61.43943	118.85211	5.41122	0.1406382	0.23018447	2.6368497	21	4 8.9	20.3
494863 2008 ED_{112}	17.9	X	197.35579	262.37445	354.53837	9.67869	0.2378422	0.27559178	2.3386140	21	—	—
494864 2008 EK_{135}	17.0	X	23.00395	151.00157	13.75143	14.99682	0.2258706	0.22484330	2.6784451	21	3 1.7	19.4
494865 2008 EE_{141}	17.3	X	71.81901	300.46511	203.05265	10.30577	0.0650239	0.23015472	2.6370769	21	4 12.2	20.6
494866 2008 EH_{167}	17.2	X	111.28473	326.36628	139.45363	13.83122	0.2398807	0.23639200	2.5904837	21	5 14.6	21.3
494867 2008 FY_{63}	15.8	X	262.04051	275.92069	230.69550	1.93440	0.1215808	0.12618445	3.9366985	21	11 13.8	21.2
494868 2008 FF_{125}	17.1	X	292.39767	221.13795	47.54279	12.85061	0.1522053	0.21683784	2.7439698	21	3 3.7	21.2
494869 2008 GZ_{15}	17.4	X	304.19506	94.05734	194.50575	13.13279	0.1895039	0.22593701	2.6697943	21	3 29.2	20.8
494870 2008 GB_{43}	17.3	X	346.97919	190.75860	34.43844	4.07149	0.0353830	0.22520220	2.6755987	21	3 29.4	20.6
494871 2008 GK_{74}	17.0	X	349.40355	62.53955	176.58059	12.46805	0.0764921	0.22635546	2.6665029	21	4 18.3	20.2
494872 2008 GG_{81}	16.8	X	287.15198	230.31195	61.12775	13.13122	0.1258219	0.21973966	2.7197590	21	3 29.4	20.8
494873 2008 GO_{93}	17.7	X	345.35287	117.01704	123.14478	3.12673	0.1454105	0.23087945	2.6315555	21	4 3.9	20.6
494874 2008 GU_{96}	17.1	X	311.10770	143.50884	151.39655	4.81391	0.2359641	0.22906096	2.6454649	21	4 10.6	20.4
494875 2008 GW_{116}	17.3	X	22.36381	10.67810	186.54317	12.56887	0.1138554	0.22528548	2.6749392	21	4 12.7	20.2
494876 2008 HX	16.7	X	87.21046	285.70661	191.70266	24.70929	0.1798563	0.22668936	2.6638839	21	4 18.9	20.1
494877 2008 HT_{1}	17.8	X	348.57749	49.61920	170.43223	8.18238	0.1534645	0.22092581	2.7100153	21	3 11.4	20.7
494878 2008 HD_{48}	17.0	X	158.98866	237.58566	198.68798	21.43986	0.0313052	0.23118445	2.6292404	21	5 4.9	20.8
494879 2008 HF_{67}	17.3	X	287.17665	65.21042	219.76246	3.42273	0.1854438	0.21772678	2.7364960	21	3 5.4	21.5
494880 2008 SQ_{7}	19.9	X	350.53161	272.48194	184.91580	16.57042	0.2977805	0.62576921	1.3537130	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494881 2008 SF_{36}	18.1	X	176.69876	235.02458	138.56984	1.57448	0.1915637	0.26933511	2.3746926	21	3 10.2	21.7
494882 2008 SH_{51}	17.0	X	74.61247	230.40471	177.48293	0.77734	0.1676099	0.17717417	3.1395623	21	1 6.2	20.6
494883 2008 SV_{58}	16.2	X	205.39580	291.54689	33.71958	12.31271	0.1237148	0.18840466	3.0135261	21	2 18.6	21.2
494884 2008 SZ_{66}	16.1	X	294.07140	103.84946	234.71408	18.66184	0.2850953	0.21268160	2.7796030	21	5 8.1	19.9
494885 2008 ST_{86}	16.7	X	193.84610	340.38935	336.07248	10.31440	0.1210275	0.18661932	3.0327154	21	1 25.6	21.6
494886 2008 SD_{106}	15.9	X	200.88127	265.62477	29.46724	21.74926	0.1793151	0.18167224	3.0875240	21	1 9.9	21.4
494887 2008 SE_{108}	17.3	X	300.75413	18.35258	337.43165	9.21748	0.1363639	0.21964267	2.7205595	21	7 5.2	20.7
494888 2008 SC_{180}	18.4	X	29.04147	297.78881	55.02839	6.09502	0.2478780	0.31220939	2.1519825	21	—	—
494889 2008 SH_{185}	15.6	X	204.14702	76.13781	344.55093	8.75248	0.3048825	0.12467870	3.9683309	21	6 1.2	22.5
494890 2008 SG_{267}	16.0	X	264.73943	116.31807	246.94568	15.90298	0.1797727	0.21021234	2.8013276	21	5 20.9	20.2
494891 2008 TO_{9}	18.3	X	171.04660	16.86475	21.83260	6.44786	0.1709225	0.27248508	2.3563560	21	4 4.3	22.0
494892 2008 TW_{135}	16.1	X	300.20545	325.98658	217.43457	20.73400	0.0494056	0.17365155	3.1818786	21	—	—
494893 2008 UH_{20}	17.7	X	224.17468	170.40166	176.69100	4.96176	0.2283390	0.27581436	2.3373557	21	3 16.6	21.7
494894 2008 UO_{22}	18.1	X	198.48239	62.52295	32.01934	7.23375	0.1472899	0.28644558	2.2791590	21	7 13.9	21.7
494895 2008 UA_{53}	16.5	X	181.05673	113.78346	235.18564	13.11093	0.2865553	0.18625819	3.0366341	21	2 18.8	22.2
494896 2008 UC_{81}	18.4	X	122.25411	354.86150	86.35929	2.59086	0.1612130	0.26833414	2.3805945	21	4 8.3	21.5
494897 2008 UG_{97}	18.1	X	7.54765	287.57970	61.69730	7.98529	0.2059080	0.30527511	2.1844484	21	11 23.8	19.7
494898 2008 UB_{121}	15.8	X	211.09041	39.25397	254.62840	16.81345	0.0778977	0.17756053	3.1350064	21	1 11.4	20.8
494899 2008 UD_{136}	16.5	X	43.09879	46.00210	44.41430	11.01108	0.0693368	0.17369316	3.1813704	21	1 4.8	20.8
494900 2008 UJ_{198}	18.4	X	190.66776	250.71467	129.18138	0.97815	0.2350087	0.27226035	2.3576524	21	3 31.2	22.3
494901 2008 UN_{199}	19.0	X	253.87896	0.49195	231.84369	19.65043	0.0838735	0.40686608	1.8037170	21	—	—
494902 2008 UO_{213}	16.5	X	143.05767	332.91716	28.04453	6.01823	0.1328922	0.17821230	3.1273580	21	1 30.8	21.3
494903 2008 UQ_{254}	16.3	X	135.28924	301.09879	81.36853	10.20029	0.2196007	0.18457319	3.0550874	21	2 27.4	21.3
494904 2008 UK_{266}	17.8	X	135.44923	255.20247	224.65349	21.28314	0.2994420	0.27276614	2.3547370	21	6 21.1	22.1
494905 2008 UN_{282}	16.8	X	161.66144	123.75884	226.21321	3.03698	0.1171514	0.17840133	3.1251484	21	1 31.9	21.7
494906 2008 UU_{288}	17.0	X	180.32192	227.05549	112.71396	2.55295	0.1842425	0.18549121	3.0449991	21	2 10.2	22.0
494907 2008 UG_{290}	16.1	X	147.55873	147.58315	233.11918	26.94356	0.1339518	0.18054286	3.1003865	21	2 14.7	21.5
494908 2008 UA_{310}	15.5	X	72.31645	139.47754	291.60032	8.69007	0.0785086	0.17704622	3.1410748	21	1 20.4	19.6
494909 2008 UX_{315}	17.6	X	171.32970	346.99742	56.76772	10.06103	0.2174099	0.26865976	2.3786706	21	4 16.3	21.5
494910 2008 UK_{358}	16.1	X	166.27334	278.09200	49.74695	11.78849	0.0559122	0.17438779	3.1729166	21	1 8.6	20.9
494911 2008 US_{359}	16.5	X	169.73761	113.41317	230.88468	9.84042	0.1081782	0.17880233	3.1204742	21	1 30.2	21.5
494912 2008 VH_{25}	16.6	X	190.12075	241.21217	108.76605	3.02688	0.0659155	0.18668397	3.0320152	21	2 27.5	21.1
494913 2008 VO_{40}	15.9	X	288.11820	280.68598	263.53301	11.96768	0.0029378	0.16881608	3.2423521	21	—	—
494914 2008 VD_{43}	15.8	X	155.15228	59.80537	285.25000	10.23729	0.0792247	0.17590552	3.1546395	21	1 17.1	20.4
494915 2008 VM_{56}	17.7	X	5.86374	168.64135	302.56764	4.08029	0.0818527	0.24573303	2.5244127	21	—	—
494916 2008 VV_{73}	18.4	X	130.47649	325.30452	183.03363	1.98334	0.1646584	0.27782580	2.3260604	21	7 16.1	21.7
494917 2008 WF_{3}	17.2	X	99.32726	106.36097	322.56813	2.13703	0.1661278	0.18163936	3.0878965	21	3 5.6	21.5
494918 2008 WQ_{27}	16.4	X	121.65643	141.37561	231.51386	10.00211	0.0604674	0.17461964	3.1701075	21	1 9.3	21.0
494919 2008 WU_{31}	16.4	X	188.69021	264.12302	65.40603	10.82621	0.1585428	0.17813902	3.1282155	21	2 8.7	21.6
494920 2008 WC_{62}	17.9	X	309.24437	305.02270	74.49676	5.87097	0.1673634	0.29419381	2.2389636	21	8 26.4	19.8
494921 2008 WE_{80}	16.2	X	269.71013	103.25141	125.39141	6.00203	0.0346966	0.17111769	3.2132124	21	1 4.3	20.9
494922 2008 WJ_{115}	18.2	X	106.73003	79.14075	63.30141	4.79867	0.1559446	0.26945599	2.3739824	21	6 9.9	21.3
494923 2008 WW_{140}	15.9	X	90.88808	324.05604	87.07746	18.88003	0.2233057	0.17508825	3.1644486	21	2 16.4	20.5
494924 2008 WC_{141}	17.3	X	110.89345	339.70673	90.82823	7.72535	0.1138258	0.26019938	2.4299568	21	3 6.8	20.4
494925 2008 XG_{14}	15.6	X	189.36004	76.67204	250.28521	20.94382	0.1103914	0.17989289	3.1078500	21	1 24.8	20.9
494926 2008 XW_{21}	16.0	X	108.84399	293.11380	100.66615	20.06664	0.1377163	0.16986226	3.2290253	21	2 3.2	20.7
494927 2008 YC_{27}	17.0	X	87.19348	247.90287	273.73929	18.38825	0.1910760	0.26445714	2.4038047	21	6 17.7	19.9
494928 2008 YH_{85}	18.1	X	243.42971	160.88346	267.24550	4.92803	0.1302766	0.28689781	2.2767634	21	7 26.9	21.0
494929 2008 YO_{93}	18.4	X	112.43315	47.22620	97.15415	3.52262	0.1362683	0.26697944	2.3886407	21	6 17.4	21.5
494930 2008 YV_{98}	15.9	X	131.90439	267.44158	115.22244	22.44297	0.1302106	0.16975555	3.2303783	21	2 14.9	20.9
494931 2008 YL_{114}	18.0	X	135.30919	52.13895	99.39269	8.45286	0.0485497	0.27495631	2.3422159	21	7 16.3	20.9
494932 2009 AU_{37}	18.0	X	67.73116	90.50032	120.79326	7.37505	0.0641658	0.27069266	2.3667464	21	7 9.5	20.7
494933 2009 BO_{2}	18.5	X	281.84547	40.76462	105.19851	27.37146	0.1367631	0.38338097	1.8766460	21	—	—
494934 2009 BF_{38}	18.5	X	80.95211	92.74455	88.65679	2.25444	0.1177090	0.26376742	2.4079933	21	6 24.7	21.5
494935 2009 BB_{44}	18.1	X	73.70360	245.61707	304.55266	1.35580	0.1660737	0.26194161	2.4191700	21	7 5.1	20.7
494936 2009 BS_{53}	17.9	X	74.58549	184.39362	355.17128	2.50123	0.1371593	0.26199161	2.4188622	21	6 15.6	20.6
494937 2009 BO_{81}	18.0	X	135.93291	351.23919	112.96732	5.48858	0.2566470	0.26269497	2.4145427	21	6 1.9	21.9
494938 2009 CU_{15}	17.9	X	159.10404	77.06705	158.45534	6.25097	0.0709720	0.29034626	2.2587000	21	12 10.1	21.1
494939 2009 DA_{48}	17.6	X	200.45990	213.99810	329.27334	17.93584	0.0649540	0.36775510	1.9294354	21	12 2.1	20.1
494940 2009 DQ_{60}	18.2	X	53.88030	67.16772	121.78524	5.36361	0.0966513	0.25507184	2.4624138	21	5 22.1	21.0
494941 2009 EE_{13}	17.1	X	124.74055	352.39151	155.38192	28.47352	0.1270309	0.26680009	2.3897111	21	7 7.1	21.1
494942 2009 EH_{22}	16.8	X	261.69199	133.75241	16.79676	7.92514	0.1305194	0.21617115	2.7496087	21	12 1.0	20.5
494943 2009 FS_{25}	17.8	X	61.53011	65.41393	116.71259	3.86624	0.1202894	0.25298805	2.4759168	21	5 27.8	20.5
494944 2009 FG_{35}	17.5	X	120.91016	215.76908	8.74279	12.46093	0.2417335	0.27476698	2.3432917	21	10 16.7	21.4
494945 2009 FQ_{52}	18.1	X	98.98954	156.25042	355.62301	0.97955	0.1260681	0.25981903	2.4323277	21	6 9.2	21.2
494946 2009 HJ_{25}	17.8	X	136.86998	158.30421	50.64255	8.03813	0.1322149	0.27027444	2.3691873	21	10 11.7	21.4
494947 2009 JV_{17}	17.7	X	294.59381	40.64687	231.10539	5.11524	0.2714808	0.23386811	2.6090879	21	2 11.9	21.8
494948 2009 OE_{9}	17.6	X	347.56648	35.07101	272.91415	5.19002	0.2929139	0.24329652	2.5412386	21	7 7.8	18.7
494949 2009 OW_{9}	17.5	X	280.46638	185.29539	135.55992	6.14137	0.2623221	0.22943191	2.6426126	21	4 5.5	21.7
494950 2009 PV_{9}	17.1	X	337.92678	113.30990	161.67437	27.82481	0.2588504	0.23631761	2.5910273	21	4 27.6	20.2
494951 2009 PN_{15}	17.3	X	255.58920	349.36934	349.56280	3.18084	0.1520595	0.22331786	2.6906286	21	4 11.9	21.4
494952 2009 QX_{4}	17.4	X	286.66189	11.69065	303.03522	4.14143	0.2426763	0.23023618	2.6364548	21	4 1.7	21.4
494953 2009 RP_{14}	16.8	X	9.08208	84.43500	15.06556	7.24644	0.2611034	0.18305983	3.0719019	21	—	—
494954 2009 RQ_{18}	17.0	X	227.07904	164.48059	199.12814	11.52282	0.1939074	0.22188581	2.7021930	21	4 13.9	21.5
494955 2009 RH_{19}	17.0	X	210.18622	6.82031	338.00230	9.49126	0.2005443	0.21444412	2.7643517	21	3 7.8	21.6
494956 2009 RQ_{58}	17.3	X	227.28974	149.03256	189.41915	4.23495	0.0754568	0.21108478	2.7936035	21	3 20.3	21.4
494957 2009 SK_{23}	17.6	X	317.60017	132.74122	323.86467	16.00561	0.1091965	0.34846586	1.9999964	21	—	—
494958 2009 SZ_{46}	17.3	X	277.68513	17.96650	294.91191	2.65883	0.2018707	0.22071825	2.7117141	21	3 27.6	21.3
494959 2009 SH_{73}	16.3	X	111.96654	304.78753	349.95949	9.22780	0.0686611	0.17937618	3.1138154	21	12 11.4	21.2
494960 2009 SZ_{120}	16.9	X	57.23774	40.31717	2.78183	11.29047	0.0998929	0.18686183	3.0300909	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
494961 2009 SV_{235}	14.2	X	322.61674	227.22748	180.57370	8.24697	0.0559846	0.08055216	5.3098787	21	10 8.8	20.9
494962 2009 SJ_{250}	16.5	X	38.63395	205.76255	191.26945	9.20677	0.0994151	0.17984740	3.1083740	21	—	—
494963 2009 TH_{9}	17.8	X	138.36544	193.99332	216.93706	6.90727	0.1904785	0.28780196	2.2719924	21	3 15.4	21.1
494964 2009 TA_{15}	16.8	X	207.61121	341.73076	30.82236	10.54971	0.2343155	0.21764131	2.7372124	21	4 9.2	21.5
494965 2009 TL_{40}	16.9	X	219.30091	202.40905	158.27355	11.21785	0.2447550	0.21622952	2.7491138	21	4 5.1	21.8
494966 2009 UR_{82}	16.9	X	42.71012	241.74341	218.20045	11.82251	0.1645604	0.18718241	3.0266302	21	1 12.4	20.5
494967 2009 UB_{106}	16.9	X	88.80775	356.61269	54.75226	10.83320	0.0816606	0.18876072	3.0097352	21	1 18.6	21.0
494968 2009 UA_{151}	17.3	X	259.66230	92.79017	231.88237	13.00895	0.2209082	0.21588731	2.7520182	21	3 20.4	22.0
494969 2009 VO_{13}	17.2	X	75.57785	207.67661	238.11356	11.05418	0.0231015	0.19581005	2.9370594	21	1 29.3	21.4
494970 2009 VA_{32}	17.4	X	257.66552	114.82660	211.14239	8.26292	0.1849412	0.21650708	2.7467638	21	3 25.9	21.9
494971 2009 VB_{36}	16.8	X	226.35309	104.91572	250.14198	10.21335	0.1606584	0.21251884	2.7810220	21	3 31.9	21.5
494972 2009 VQ_{67}	15.8	X	299.38616	289.45607	247.94223	17.53652	0.1531843	0.17843955	3.1247023	21	—	—
494973 2009 VT_{96}	16.1	X	37.08863	9.23704	72.90471	17.07934	0.2148170	0.18054169	3.1003999	21	—	—
494974 2009 WL_{78}	15.9	X	337.81466	245.77985	265.07526	11.93852	0.0893361	0.18105555	3.0945308	21	—	—
494975 2009 WO_{106}	19.2	X	91.42899	134.66549	281.70540	17.34946	0.3852208	0.61180175	1.3742389	21	—	—
494976 2009 WY_{135}	15.9	X	51.40778	327.00898	55.08314	16.71504	0.0606640	0.17602252	3.1532414	21	—	—
494977 2009 WN_{146}	16.9	X	132.26042	323.49059	78.91756	14.52046	0.1025446	0.19843028	2.9111467	21	3 8.4	21.4
494978 2009 WJ_{148}	16.7	X	16.50260	238.58623	220.36788	16.06849	0.2660142	0.17930842	3.1145998	21	—	—
494979 2009 WE_{165}	17.4	X	328.11902	331.76318	66.67325	5.33679	0.1803661	0.24151088	2.5537492	21	10 26.7	19.5
494980 2009 WZ_{215}	16.4	X	3.04895	101.88644	45.66903	10.68682	0.0407925	0.18861998	3.0112322	21	1 18.7	20.6
494981 2009 WE_{260}	16.4	X	341.77704	193.69159	308.17060	8.26068	0.0910431	0.17266982	3.1939278	21	—	—
494982 2009 XR_{14}	16.5	X	53.45354	333.55695	111.12445	13.15042	0.1216096	0.17954405	3.1118742	21	1 13.7	20.3
494983 2010 AW_{33}	18.8	X	128.04016	134.31216	24.52496	1.35148	0.2204538	0.29392672	2.2403197	21	8 2.3	22.3
494984 2010 AJ_{37}	18.4	X	250.28176	335.19420	108.80416	5.56859	0.0631794	0.30812804	2.1709437	21	9 13.6	20.8
494985 2010 AS_{41}	15.7	X	351.53854	202.37613	308.57636	15.72643	0.1670599	0.17597913	3.1537597	21	—	—
494986 2010 AO_{55}	18.1	X	108.93358	156.68719	318.73774	6.47953	0.1297481	0.28078196	2.3097054	21	4 28.1	21.1
494987 2010 BK_{86}	16.5	X	20.90794	12.16955	47.57315	13.65390	0.1037816	0.17753349	3.1353246	21	—	—
494988 2010 CC_{2}	17.1	X	131.07700	188.77404	318.68023	7.65406	0.2678496	0.20514814	2.8472416	21	7 23.2	22.0
494989 2010 CY_{108}	15.8	X	167.89127	208.05289	147.22527	22.56241	0.0373465	0.17747279	3.1360395	21	2 8.1	20.3
494990 2010 CZ_{117}	16.0	X	359.43156	13.72675	124.21943	16.89775	0.0425518	0.17575894	3.1563933	21	1 3.2	20.4
494991 2010 CM_{229}	16.9	X	296.37276	134.08591	236.81422	23.87761	0.1717016	0.28239917	2.3008789	21	7 6.1	19.9
494992 2010 EL_{77}	18.5	X	113.12725	201.08415	322.74805	2.40739	0.1640567	0.28667238	2.2779568	21	7 19.1	21.6
494993 2010 EB_{100}	17.9	X	53.39284	226.25257	9.22359	6.56757	0.1825103	0.28101009	2.3084551	21	8 16.0	20.4
494994 2010 FU_{29}	17.8	X	347.47123	170.06946	43.25594	5.76687	0.0675809	0.26361879	2.4088984	21	3 6.0	20.6
494995 2010 GP_{97}	18.1	X	59.43340	176.00095	53.52762	10.44534	0.1317875	0.28077397	2.3097492	21	8 9.6	20.9
494996 2010 HD_{76}	15.8	X	290.03608	32.99304	181.43928	26.83094	0.1241418	0.17162850	3.2068337	21	—	—
494997 2010 HY_{113}	18.3	X	68.62251	26.71112	222.30005	5.23697	0.3364782	0.28955563	2.2628098	21	10 13.5	21.6
494998 2010 JR_{31}	18.5	X	46.84494	231.07083	42.89509	2.33627	0.1869365	0.28450564	2.2895078	21	10 1.2	21.0
494999 2010 JU_{39}	19.7	X	31.95747	311.36929	95.17646	36.21112	0.5459936	1.11843062	0.9191718	21	—	—
495000 2010 JF_{46}	17.8	X	57.47513	175.49912	67.96307	10.00587	0.2052862	0.28073416	2.3099675	21	9 10.7	20.7
495001 2010 JP_{48}	17.7	X	33.44820	53.72714	230.95197	12.09161	0.0868409	0.28497357	2.2870008	21	9 1.3	20.5
495002 2010 JA_{78}	18.2	X	44.09172	181.86767	78.86905	3.16191	0.1948336	0.28089204	2.3091019	21	9 9.3	20.6
495003 2010 JT_{80}	16.8	X	32.85586	170.89135	86.92250	24.48784	0.1817539	0.27752904	2.3277183	21	8 17.4	19.6
495004 2010 KD_{50}	17.8	X	43.90276	35.03381	250.81697	4.24021	0.2236111	0.27480079	2.3430995	21	10 16.1	20.5
495005 2010 KJ_{125}	18.0	X	18.49202	113.29511	175.80863	11.13630	0.2775601	0.26890796	2.3772067	21	9 15.8	19.6
495006 2010 LV_{1}	17.7	X	332.18173	188.17366	151.05833	11.62169	0.2458276	0.26425313	2.4050417	21	7 23.4	19.5
495007 2010 MX_{63}	17.1	X	37.28602	22.27445	40.21051	8.74992	0.3061444	0.20110096	2.8853153	21	—	—
495008 2010 MQ_{77}	17.6	X	14.21759	32.45908	290.93468	4.53657	0.2442717	0.27058311	2.3673852	21	10 23.5	19.7
495009 2010 MW_{85}	15.8	X	189.78179	159.63635	252.44911	8.85316	0.0709817	0.15055620	3.4994809	21	5 14.1	21.2
495010 2010 MA_{112}	18.2	X	338.41773	256.19761	68.78361	2.40779	0.2074895	0.26750811	2.3854926	21	7 21.9	19.8
495011 2010 OB_{57}	16.5	X	135.33335	248.86410	202.16905	27.86148	0.1077052	0.23226570	2.6210743	21	5 2.9	20.4
495012 2010 PA_{57}	16.4	X	36.89344	130.87624	224.61083	9.13429	0.1383341	0.18433309	3.0577398	21	12 9.0	20.5
495013 2010 RZ_{64}	18.0	X	15.97035	340.06598	345.85327	2.05602	0.2203277	0.27382641	2.3486547	21	10 28.8	20.1
495014 2010 RG_{73}	17.9	X	302.93359	282.91095	64.90787	3.55608	0.2240962	0.25909816	2.4368371	21	6 9.6	20.6
495015 2010 RP_{81}	17.7	X	182.61032	245.50757	151.08629	6.75649	0.3518265	0.23391246	2.6087581	21	4 21.1	22.7
495016 2010 RL_{120}	17.6	X	338.71140	116.23058	214.75433	1.55023	0.2193244	0.26427571	2.4049048	21	7 30.9	19.2
495017 2010 RK_{121}	16.7	X	121.56259	255.85267	224.63741	12.34542	0.1354287	0.24375799	2.5380303	21	5 27.8	20.3
495018 2010 RA_{136}	17.5	X	16.75707	224.68950	154.88351	6.94893	0.1278945	0.28211533	2.3024220	21	—	—
495019 2010 RE_{147}	17.6	X	88.16056	261.32950	195.09985	9.04681	0.1274950	0.22233164	2.6985794	21	3 12.4	21.0
495020 2010 RJ_{163}	17.8	X	317.45361	219.28405	115.59156	3.51036	0.2063539	0.26158212	2.4213859	21	6 19.2	20.0
495021 2010 SH_{15}	22.6	X	91.69132	96.59663	0.90491	4.05070	0.0331625	0.68762771	1.2712583	21	—	—
495022 2010 TO_{12}	17.2	X	58.22187	267.55018	209.15656	14.52768	0.2393495	0.21752219	2.7382116	21	3 4.7	20.2
495023 2010 TH_{108}	18.0	X	157.61474	158.65225	220.31715	2.44540	0.1828430	0.22412102	2.6841966	21	3 2.4	22.3
495024 2010 UC_{11}	16.6	X	189.33990	354.37716	53.32300	14.99303	0.1432068	0.23318120	2.6142093	21	5 5.8	20.8
495025 2010 UF_{37}	16.1	X	38.46911	150.02679	253.56397	13.04714	0.1783072	0.19189142	2.9769098	21	—	—
495026 2010 UU_{75}	16.9	X	67.22417	111.43637	265.81238	7.56040	0.1036685	0.19521814	2.9429933	21	—	—
495027 2010 UF_{83}	15.9	X	352.81931	323.96573	241.28416	24.82967	0.0974438	0.21882905	2.7272989	21	2 21.1	20.0
495028 2010 UH_{93}	17.4	X	233.21073	36.17008	321.78763	5.10249	0.1514344	0.23480948	2.6021099	21	4 11.1	21.6
495029 2010 VA	17.8	X	227.40315	140.36813	24.29657	21.40779	0.0568479	0.36729240	1.9310555	21	12 14.8	20.2
495030 2010 VF_{23}	16.9	X	160.64910	7.92256	43.17498	14.53855	0.1492229	0.22892216	2.6465341	21	4 14.9	21.1
495031 2010 VK_{57}	17.6	X	212.79000	193.23295	179.62019	3.26623	0.0937835	0.23198100	2.6232183	21	4 15.1	21.6
495032 2010 VX_{67}	16.0	X	309.46815	19.35647	51.57217	18.71545	0.1734072	0.17814313	3.1281674	21	10 25.5	19.7
495033 2010 VE_{131}	16.3	X	327.72641	29.85210	29.59648	16.72709	0.2109151	0.17782089	3.1319455	21	11 3.5	19.5
495034 2010 VW_{171}	17.3	X	121.64243	50.98835	59.03478	10.80576	0.1339378	0.22587213	2.6703055	21	5 14.9	21.2
495035 2010 VR_{173}	16.5	X	147.66644	343.33175	73.22386	15.09017	0.2351548	0.22443340	2.6817054	21	4 19.5	21.1
495036 2010 VJ_{209}	16.7	X	57.28289	341.56849	9.18322	8.90758	0.0741579	0.18887779	3.0084915	21	12 19.9	21.1
495037 2010 VC_{225}	14.2	X	283.36589	283.36621	168.78946	11.73500	0.0486609	0.08293433	5.2077065	21	10 13.9	21.0
495038 2010 WB_{1}	17.7	X	297.93656	245.08271	233.05643	19.11088	0.0978536	0.36739195	1.9307067	21	—	—
495039 2010 WX_{29}	17.0	X	105.75858	18.91419	76.25032	6.32182	0.0307484	0.21970697	2.7200287	21	3 25.6	20.7
495040 2010 WU_{32}	16.6	X	315.96209	210.37459	235.78034	4.51967	0.1485902	0.17893479	3.1189341	21	11 23.2	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495041 2010 WM_{54}	17.4	X	287.94414	276.78259	56.37926	12.99211	0.1884340	0.24152895	2.5536219	21	5 7.1	20.7
495042 2010 XO_{28}	17.6	X	205.40486	104.73358	276.78155	3.93483	0.0574730	0.22806518	2.6531597	21	4 16.8	21.4
495043 2010 XK_{42}	16.9	X	218.31000	188.05266	266.43999	6.77738	0.1426865	0.23976826	2.5661079	21	7 30.7	20.9
495044 2010 XF_{79}	16.7	X	60.67170	17.09231	102.86013	14.71479	0.0718239	0.21184626	2.7869051	21	3 4.8	20.4
495045 2011 AP_{75}	16.6	X	350.12557	2.07503	152.06497	7.28946	0.1879836	0.18638517	3.0352547	21	—	—
495046 2011 BT_{38}	16.1	X	301.85728	190.62846	338.31555	16.30736	0.1642616	0.17544531	3.1601538	21	—	—
495047 2011 BQ_{61}	17.4	X	343.68425	147.14809	34.81302	2.04794	0.0212625	0.19918246	2.9038131	21	2 3.1	21.4
495048 2011 BW_{76}	17.4	X	308.51902	33.75193	162.89635	6.78429	0.1836538	0.18426501	3.0584928	21	—	—
495049 2011 BN_{89}	16.6	X	25.45963	174.57030	309.57231	9.06773	0.0572891	0.19239139	2.9717502	21	1 16.9	20.3
495050 2011 BZ_{123}	17.0	X	323.52311	323.05249	124.04213	9.06307	0.2435354	0.17232391	3.1982005	21	12 3.2	20.2
495051 2011 BZ_{160}	16.7	X	350.79301	107.81265	35.73223	8.91241	0.2330786	0.18930372	3.0039771	21	—	—
495052 2011 CW_{22}	17.4	X	205.82358	174.75692	199.12511	4.60371	0.1274394	0.21399198	2.7682441	21	4 9.5	21.7
495053 2011 CQ_{33}	16.9	X	35.52877	30.31240	140.11505	13.87775	0.0634328	0.20517946	2.8469519	21	4 2.4	20.7
495054 2011 CN_{36}	16.4	X	147.40466	287.30052	121.27633	14.11127	0.2061674	0.21101046	2.7942594	21	4 8.1	21.2
495055 2011 CB_{108}	16.4	X	210.91495	334.26677	329.03581	10.15010	0.1557695	0.18629768	3.0362049	21	1 25.5	21.5
495056 2011 CW_{108}	16.5	X	203.52147	6.53439	316.70815	8.66345	0.0712915	0.19210453	2.9747078	21	2 7.8	20.9
495057 2011 CX_{109}	16.8	X	259.17353	40.77341	215.34850	5.32968	0.2301267	0.18286010	3.0741384	21	1 6.5	21.9
495058 2011 CW_{113}	16.7	X	84.84003	257.10076	157.32578	10.31624	0.1054407	0.18940794	3.0028751	21	1 17.0	20.7
495059 2011 DR_{13}	17.2	X	85.77717	292.35830	146.25431	2.70399	0.0234467	0.19653429	2.9298395	21	2 6.2	21.0
495060 2011 DX_{44}	17.0	X	330.55077	98.12313	80.98449	1.76829	0.1555411	0.18563148	3.0434649	21	—	—
495061 2011 EY_{28}	16.7	X	114.58616	330.09113	95.14948	12.27859	0.1093543	0.20212588	2.8755534	21	3 15.1	20.9
495062 2011 EB_{42}	16.0	X	281.91986	130.81638	74.84554	5.04652	0.1968246	0.17542352	3.1604154	21	—	—
495063 2011 EN_{64}	17.2	X	335.72230	85.36958	86.35134	3.40879	0.1488419	0.18511489	3.0491245	21	—	—
495064 2011 EU_{70}	17.1	X	33.98508	76.26401	173.29773	9.48133	0.1459291	0.21235794	2.7824266	21	7 20.1	20.4
495065 2011 EC_{77}	16.2	X	323.12330	328.61762	194.47432	30.23492	0.3236214	0.17771363	3.1332056	21	—	—
495066 2011 FF	16.3	X	309.41471	286.77146	258.03540	4.17172	0.0803839	0.18125980	3.0922057	21	—	—
495067 2011 FX_{52}	16.4	X	285.24279	66.46726	183.93178	19.66822	0.1325457	0.18616261	3.0376734	21	1 29.9	21.2
495068 2011 FF_{76}	17.0	X	271.98458	215.70262	12.76637	5.33790	0.0838318	0.17925346	3.1152365	21	—	—
495069 2011 FX_{76}	17.1	X	316.25253	56.00152	129.76072	2.10703	0.1246907	0.18124372	3.0923887	21	—	—
495070 2011 FB_{111}	16.5	X	268.39480	53.62906	196.13075	20.60910	0.2458520	0.17805379	3.1292138	21	1 4.5	22.1
495071 2011 FB_{144}	15.8	X	274.86586	219.84959	11.54194	20.82071	0.1053915	0.17682236	3.1437253	21	1 8.1	20.9
495072 2011 GB_{14}	16.7	X	308.46316	275.98539	257.45024	3.66742	0.1436763	0.17437018	3.1731303	21	—	—
495073 2011 GP_{78}	15.8	X	254.54000	139.14585	112.06863	28.48958	0.1807530	0.17503904	3.1650417	21	1 3.1	21.0
495074 2011 HJ_{3}	16.2	X	309.18490	114.68170	67.16051	15.01560	0.1581045	0.17367363	3.1816089	21	—	—
495075 2011 HW_{12}	16.0	X	327.49259	116.66614	97.70810	17.86182	0.1037106	0.18118555	3.0930505	21	2 19.0	20.3
495076 2011 HT_{29}	16.4	X	272.16698	79.50699	206.45255	13.82620	0.2525943	0.18088144	3.0965164	21	2 15.1	21.6
495077 2011 HP_{36}	16.1	X	223.09964	206.80218	89.25238	10.18515	0.1875867	0.17158943	3.2073205	21	1 28.5	21.5
495078 2011 HL_{48}	15.9	X	249.21744	206.47167	89.44918	12.10407	0.1582384	0.17999557	3.1066680	21	2 22.3	21.0
495079 2011 HE_{57}	17.2	X	277.43715	337.80705	193.03027	18.68752	0.3338620	0.16361921	3.3106493	21	12 8.3	21.8
495080 2011 JA_{4}	15.7	X	238.70662	150.04597	111.33177	10.12568	0.0572583	0.16835710	3.2482424	21	1 7.4	20.4
495081 2011 JY_{4}	17.5	X	93.97948	200.14186	79.92438	10.50153	0.2349267	0.22812569	2.6526905	21	11 28.3	21.9
495082 2011 JH_{24}	15.5	X	189.81458	257.71055	73.07660	22.70049	0.0692695	0.17545338	3.1600568	21	2 11.7	20.7
495083 2011 JR_{25}	16.0	X	201.14907	114.56377	218.01330	25.11614	0.2357326	0.17097026	3.2150594	21	2 12.8	22.1
495084 2011 JE_{28}	16.0	X	278.98625	178.77814	70.78115	5.97538	0.1252161	0.17437089	3.1731216	21	1 29.6	20.7
495085 2011 KL_{20}	16.2	X	271.72121	205.71650	90.79237	8.06099	0.0774884	0.18608311	3.0385385	21	3 25.3	20.7
495086 2011 LA_{17}	15.7	X	260.94943	106.30582	113.02782	37.75988	0.1583427	0.16581536	3.2813525	21	—	—
495087 2011 QR_{33}	18.1	X	28.02812	318.10049	350.68515	8.54504	0.1804075	0.30156466	2.2023301	21	10 19.9	20.4
495088 2011 SU_{5}	17.0	X	294.68948	176.79982	203.89226	26.64749	0.2320165	0.28871034	2.2672243	21	7 8.2	20.3
495089 2011 SA_{29}	18.6	X	53.80057	315.41382	350.20613	2.02263	0.2464106	0.30676288	2.1773797	21	12 3.3	21.4
495090 2011 SY_{29}	18.3	X	349.95404	316.44391	28.42806	4.53722	0.2320793	0.29300363	2.2450226	21	10 7.3	19.2
495091 2011 SR_{73}	18.5	X	20.78381	29.30422	300.81964	2.39392	0.2119938	0.30270722	2.1967849	21	11 17.6	20.6
495092 2011 SB_{74}	17.7	X	297.27414	135.24623	233.65634	7.16775	0.1749819	0.28677213	2.2774285	21	7 9.5	20.1
495093 2011 SH_{80}	18.2	X	291.41487	190.19749	191.42882	5.16293	0.1163509	0.28780054	2.2719999	21	7 29.8	20.7
495094 2011 SN_{92}	17.9	X	332.55461	58.75850	10.92274	6.07694	0.1134195	0.30538608	2.1839192	21	—	—
495095 2011 SR_{93}	18.0	X	322.65087	341.88587	353.13682	8.55909	0.1238100	0.28342355	2.2953315	21	7 15.7	20.3
495096 2011 SY_{183}	17.6	X	55.59736	221.84037	165.01976	3.79077	0.2021954	0.21749420	2.7384465	21	—	—
495097 2011 SJ_{195}	17.9	X	354.07490	306.06559	322.87180	4.81019	0.1565553	0.28163448	2.3050419	21	5 25.5	19.9
495098 2011 SO_{221}	18.8	X	28.15181	244.60815	75.64701	0.81238	0.2033238	0.30141395	2.2030642	21	11 13.9	20.9
495099 2011 SO_{257}	17.2	X	30.95461	222.56816	224.81922	12.70715	0.1704384	0.22372210	2.6873865	21	—	—
495100 2011 UQ_{37}	17.9	X	298.31789	118.04027	248.79397	6.19540	0.1411791	0.28030517	2.3123238	21	7 14.4	20.5
495101 2011 UF_{58}	17.3	X	88.43132	192.32806	215.02168	13.82365	0.3061131	0.22954598	2.6417371	21	1 30.4	20.6
495102 2011 UU_{106}	18.8	X	289.86791	242.20736	251.78521	9.92529	0.4821616	0.39958836	1.8255518	21	—	—
495103 2011 UR_{134}	17.8	X	84.80742	234.53951	204.33791	11.12421	0.1644555	0.23637365	2.5906178	21	2 12.6	21.0
495104 2011 UG_{146}	17.9	X	340.13052	101.70213	241.95699	6.16596	0.1428146	0.28355890	2.2946011	21	8 28.9	19.9
495105 2011 UM_{151}	17.3	X	108.32656	243.76456	164.94255	5.60014	0.2469935	0.23484865	2.6018205	21	2 22.7	20.8
495106 2011 US_{166}	17.4	X	300.75602	328.71608	48.75057	7.67361	0.1426699	0.28082166	2.3094877	21	8 9.3	19.8
495107 2011 UF_{186}	18.4	X	357.17733	262.53497	83.43559	5.47007	0.2206927	0.29470195	2.2363892	21	10 29.6	19.8
495108 2011 UA_{188}	18.1	X	41.63049	37.89559	266.63959	4.43063	0.1821352	0.30154580	2.2024220	21	11 6.2	20.6
495109 2011 UF_{190}	17.2	X	229.69351	349.80557	41.17767	8.56905	0.2243635	0.26682948	2.3895356	21	5 15.1	21.2
495110 2011 UH_{194}	16.2	X	84.17006	228.04275	245.36361	27.31769	0.2787517	0.23721300	2.5845031	21	4 18.8	19.8
495111 2011 UU_{200}	17.8	X	213.48619	329.22864	87.86052	8.12558	0.1916390	0.26627180	2.3928709	21	6 6.2	21.5
495112 2011 UH_{246}	18.3	X	213.42021	187.81385	212.99482	1.89566	0.1846513	0.26249275	2.4157826	21	5 16.2	22.0
495113 2011 UX_{247}	18.5	X	337.74972	111.50599	226.71814	5.85317	0.1312557	0.28209235	2.3025470	21	8 15.3	20.5
495114 2011 UY_{248}	17.5	X	90.67425	24.83588	225.19246	5.42680	0.0975873	0.28546177	2.2843926	21	10 10.1	20.6
495115 2011 UV_{249}	18.7	X	351.89260	274.01120	49.19072	4.31941	0.2456781	0.28545925	2.2844060	21	9 2.6	19.7
495116 2011 UV_{282}	18.1	X	344.31110	131.68105	203.09409	5.45396	0.1290679	0.28424022	2.2909329	21	8 25.0	20.0
495117 2011 UV_{293}	17.7	X	90.06241	48.91313	65.95507	13.83659	0.2024421	0.24135069	2.5548791	21	4 24.9	21.0
495118 2011 UW_{342}	18.4	X	50.02327	153.30690	140.32094	3.13029	0.1748970	0.29902362	2.2147891	21	11 3.3	20.9
495119 2011 UF_{354}	17.8	X	283.97825	191.06642	180.12521	6.42416	0.1443582	0.27955438	2.3164620	21	6 28.2	20.6
495120 2011 UR_{387}	17.3	X	132.30037	337.51982	132.73929	8.21352	0.1503203	0.25442063	2.4666139	21	5 29.1	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495121 2011 UY_{403}	18.4	X	240.92428	62.76737	323.44517	1.58540	0.0493988	0.26616485	2.3935119	21	6 5.5	21.3
495122 2011 VC_{9}	17.4	X	58.87922	78.61631	17.47591	27.70296	0.3744001	0.22686413	2.6625156	21	3 15.4	19.8
495123 2011 WM_{21}	18.3	X	28.30206	254.11839	63.00390	8.77461	0.2585624	0.29342519	2.2428718	21	11 17.9	20.6
495124 2011 WZ_{26}	16.1	X	239.68025	94.76640	271.67129	21.75582	0.0066845	0.26003862	2.4309582	21	5 9.6	19.6
495125 2011 WA_{36}	18.3	X	223.54155	7.88598	68.68463	2.58324	0.1414461	0.27399812	2.3476733	21	7 15.4	21.5
495126 2011 WU_{60}	16.9	X	303.58616	325.15811	83.63425	10.39278	0.0497182	0.18400617	3.0613604	21	10 2.9	21.2
495127 2011 WB_{80}	18.1	X	320.68409	272.31417	66.06460	7.22535	0.1668728	0.27820576	2.3239421	21	7 8.7	20.2
495128 2011 WL_{122}	18.5	X	351.35492	336.55029	0.75755	3.03541	0.1449040	0.28730099	2.2746328	21	9 17.7	20.1
495129 2011 WK_{150}	17.3	X	227.21076	308.22904	114.11427	8.78853	0.1004125	0.26966434	2.3727594	21	7 3.4	20.7
495130 2011 YU_{8}	18.1	X	212.36981	210.93219	222.35926	2.67670	0.0523106	0.26690285	2.3890977	21	7 4.2	21.4
495131 2011 YP_{26}	16.9	X	51.82700	36.67971	130.98347	14.28830	0.2004799	0.23156179	2.6263833	21	5 8.7	19.9
495132 2011 YE_{44}	17.2	X	21.18780	271.62136	267.30239	7.92492	0.1065303	0.22979929	2.6397954	21	3 8.7	20.3
495133 2011 YL_{68}	17.5	X	62.52211	82.41506	102.75513	9.12007	0.1735007	0.23902670	2.5714126	21	6 12.4	20.5
495134 2012 BS_{4}	17.1	X	137.74436	318.30004	107.77053	12.66365	0.1308799	0.23403005	2.6078842	21	4 11.3	21.2
495135 2012 BX_{10}	17.4	X	42.70308	1.16904	148.39829	14.35418	0.1576598	0.22127267	2.7071825	21	3 17.9	20.3
495136 2012 BX_{17}	17.1	X	143.52143	2.01681	73.83662	7.58511	0.2043661	0.23944511	2.5684162	21	5 1.8	21.2
495137 2012 BY_{22}	16.9	X	13.15120	238.34839	305.79287	11.70060	0.2174586	0.22468778	2.6796809	21	2 24.2	19.5
495138 2012 BC_{25}	16.5	X	10.43485	261.75371	282.43085	11.10608	0.2096742	0.22384578	2.6863965	21	2 18.1	19.2
495139 2012 BT_{25}	16.4	X	29.44454	23.94785	113.47335	14.63626	0.0635314	0.22345699	2.6895116	21	2 1.7	19.7
495140 2012 BH_{66}	17.1	X	105.73508	334.39180	135.34572	15.67130	0.0489057	0.23609793	2.5926343	21	4 17.5	20.9
495141 2012 BF_{118}	16.2	X	55.13302	15.32543	132.64218	14.97579	0.0281389	0.23011820	2.6373559	21	3 26.4	19.8
495142 2012 CW_{22}	16.9	X	345.37982	85.09643	159.26600	11.87661	0.1380716	0.23107069	2.6301033	21	4 12.8	19.9
495143 2012 CX_{53}	17.9	X	125.38453	214.53940	0.55134	2.08769	0.1380060	0.26285813	2.4135434	21	10 4.7	21.4
495144 2012 DJ_{17}	16.7	X	66.96116	350.26128	149.50264	14.50433	0.1898913	0.22501609	2.6770737	21	4 24.0	20.0
495145 2012 DC_{34}	17.3	X	179.28282	250.56739	147.79050	14.44868	0.1637680	0.23498982	2.6007784	21	4 18.4	21.7
495146 2012 DK_{39}	16.4	X	292.81720	347.52063	283.65091	8.32836	0.1502245	0.22067552	2.7120640	21	2 24.3	20.5
495147 2012 DC_{48}	17.5	X	126.56500	291.16049	163.98492	11.77168	0.1594657	0.23458082	2.6038006	21	5 6.4	21.5
495148 2012 DN_{75}	16.9	X	141.94094	269.91495	162.38202	22.12928	0.0470361	0.22875635	2.6478128	21	4 12.9	20.8
495149 2012 DC_{76}	17.2	X	109.53553	41.65156	49.96061	13.97760	0.2335518	0.23212163	2.6221587	21	4 22.1	21.0
495150 2012 DP_{76}	16.7	X	108.85190	9.44662	126.13967	15.56992	0.0385930	0.23612810	2.5924134	21	5 23.7	20.5
495151 2012 DF_{88}	16.7	X	338.83596	103.33307	156.19688	15.44994	0.1025875	0.23213369	2.6220679	21	4 28.9	20.1
495152 2012 DG_{93}	17.5	X	37.82855	342.49206	177.17312	2.56147	0.1078635	0.22350536	2.6891235	21	3 16.7	20.6
495153 2012 FY	19.0	X	72.00082	244.40214	178.02200	20.03816	0.1045121	0.41620907	1.7766220	21	—	—
495154 2012 FF_{29}	17.1	X	28.98844	120.21313	27.84199	8.09901	0.1644898	0.21382588	2.7696775	21	2 19.8	20.0
495155 2012 FD_{40}	17.1	X	294.54389	300.03928	302.64037	6.31011	0.2584157	0.20326866	2.8647657	21	1 16.5	21.4
495156 2012 FG_{42}	17.0	X	30.99614	143.40709	17.67763	5.05382	0.0944486	0.21548091	2.7554774	21	3 9.9	20.1
495157 2012 FO_{47}	17.5	X	7.62242	139.88624	41.59278	4.38802	0.0310060	0.21551448	2.7551912	21	3 3.6	21.1
495158 2012 FZ_{60}	17.0	X	336.90848	53.60819	167.24207	10.30491	0.0453527	0.21365975	2.7711130	21	3 9.3	20.5
495159 2012 FP_{63}	16.5	X	340.71285	313.13165	355.00485	3.22766	0.1641466	0.23242190	2.6198998	21	7 2.7	19.1
495160 2012 FV_{73}	16.8	X	161.61715	240.25057	196.38820	21.60268	0.0728487	0.23019502	2.6367691	21	5 11.9	20.8
495161 2012 FY_{78}	16.8	X	31.16535	173.45668	32.47350	14.58800	0.1411862	0.22689874	2.6622448	21	5 9.1	19.6
495162 2012 GF_{2}	18.4	X	188.43968	276.83091	17.23974	20.65672	0.1095528	0.40060959	1.8224480	21	—	—
495163 2012 GY_{2}	16.6	X	359.93747	19.73607	195.98573	13.82916	0.1131596	0.21751693	2.7382557	21	3 29.2	19.6
495164 2012 GL_{4}	16.8	X	352.00493	141.14164	64.92312	3.66437	0.1144267	0.21179610	2.7873451	21	3 6.6	20.2
495165 2012 GB_{27}	16.2	X	264.37616	335.90029	229.84913	17.18528	0.1986779	0.18361485	3.0657084	21	—	—
495166 2012 HH_{13}	16.4	X	282.51807	162.64500	100.03656	14.17185	0.1014130	0.19884535	2.9070941	21	2 19.1	20.8
495167 2012 HO_{27}	17.2	X	64.99997	200.73649	36.74126	18.40899	0.1821473	0.23691355	2.5866805	21	9 10.2	21.0
495168 2012 HC_{34}	20.3	X	181.21738	275.02824	45.14523	36.32157	0.3925544	0.39076650	1.8529250	21	1 1.1	23.9
495169 2012 HO_{67}	17.1	X	255.03909	219.27148	75.72401	10.90971	0.2215818	0.19713063	2.9239278	21	2 19.9	22.1
495170 2012 HP_{73}	16.9	X	262.87905	94.01327	161.80461	7.79127	0.1657076	0.19077544	2.9885079	21	1 12.5	21.8
495171 2012 JS_{4}	18.0	X	306.74119	51.31419	89.13976	24.35186	0.0490107	0.39030771	1.8543767	21	—	—
495172 2012 JK_{26}	16.5	X	52.68249	2.00914	188.28319	28.30345	0.1483557	0.22039745	2.7143447	21	5 31.2	20.3
495173 2012 KF_{44}	16.1	X	199.27108	229.99417	92.54160	13.13342	0.1635407	0.18500728	3.0503066	21	2 7.8	21.2
495174 2012 LV_{21}	18.5	X	160.28576	80.95502	234.29965	20.53046	0.0592953	0.38946305	1.8570569	21	—	—
495175 2012 MH	16.0	X	231.77239	140.62242	120.42315	18.14517	0.1791318	0.17877573	3.1207838	21	—	—
495176 2012 MA_{2}	17.5	X	15.18264	324.30254	97.49183	24.37283	0.1000817	0.37964866	1.8889254	21	—	—
495177 2012 MP_{2}	18.1	X	288.95423	33.74028	126.02497	26.79130	0.1160015	0.38254447	1.8793807	21	—	—
495178 2012 MZ_{5}	15.9	X	156.93479	113.66439	237.98238	25.28713	0.2572021	0.17375262	3.1806446	21	1 31.5	21.8
495179 2012 MN_{11}	16.2	X	247.86799	338.45156	292.49780	8.46618	0.2608687	0.18149994	3.0894777	21	1 13.8	21.6
495180 2012 OS_{2}	18.1	X	150.75590	235.20665	94.29600	24.10272	0.1097457	0.38371835	1.8755458	21	—	—
495181 Rogerwaters	16.5	X	12.04234	16.94946	357.25378	14.97894	0.2784962	0.22982486	2.6395995	21	12 31.4	19.8
495182 2012 SX_{10}	15.8	X	259.37172	16.40567	340.48441	8.92028	0.3609372	0.18956842	3.0011801	21	4 18.8	21.1
495183 2012 TY_{20}	16.9	X	224.61861	104.18142	196.83861	24.65220	0.3111811	0.17067877	3.2187189	21	1 26.7	23.1
495184 2012 TF_{73}	16.5	X	281.54444	73.11194	202.36963	16.40420	0.3205712	0.18199045	3.0839238	21	2 4.5	22.0
495185 2012 UO_{135}	18.1	X	25.36611	188.17797	210.39571	21.84226	0.1001038	0.34668564	2.0068372	21	—	—
495186 2012 VR_{49}	17.1	X	29.43345	278.91234	61.43423	4.79594	0.1098580	0.22227912	2.6990045	21	11 13.2	20.3
495187 2012 VO_{76}	21.1	X	97.82904	297.35728	229.48104	36.94909	0.2151004	0.74572662	1.2043414	21	6 26.1	22.4
495188 2012 VM_{106}	18.1	X	103.44299	296.66121	61.40147	22.83607	0.0921157	0.35645831	1.9699879	21	—	—
495189 2012 VR_{113}	6.5	X	43.96142	220.91745	120.86990	19.29266	0.1764039	0.00297225	47.9085345	21	11 11.4	22.9
495190 2012 VS_{113}	7.1	X	9.49743	219.78254	171.48088	26.75480	0.3121916	0.00239901	55.2647013	21	11 16.5	23.0
495191 2012 XX_{6}	17.4	X	134.67502	60.99003	261.64695	17.94049	0.0684342	0.35468804	1.9765373	21	—	—
495192 2012 XV_{109}	18.0	X	205.70657	198.79467	269.03415	2.76340	0.1037783	0.30320695	2.1943705	21	8 10.1	21.0
495193 2013 AC_{77}	17.4	X	81.60941	199.74408	259.57702	10.53122	0.1048658	0.25516513	2.4618136	21	2 20.9	20.5
495194 2013 BH	14.1	X	261.00659	35.14291	77.05679	8.38430	0.0696578	0.08356114	5.1816311	21	10 10.2	21.1
495195 2013 BX_{22}	17.0	X	94.88076	252.09407	251.43122	20.76266	0.3070915	0.26694339	2.3888558	21	6 17.4	20.4
495196 2013 CX_{15}	18.8	X	84.56914	55.64846	118.61795	2.93682	0.1542427	0.26928410	2.3749925	21	6 25.7	21.5
495197 2013 CC_{17}	18.2	X	151.59594	255.84778	231.97431	3.02995	0.1329442	0.27881975	2.3205291	21	7 8.4	21.5
495198 2013 CL_{18}	17.7	X	117.01118	76.36434	58.18129	3.07389	0.1440030	0.26787683	2.3833031	21	6 10.1	20.9
495199 2013 CF_{21}	17.7	X	9.28272	72.39052	158.62554	1.90654	0.1571842	0.26214635	2.4179102	21	5 1.4	19.7
495200 2013 CN_{27}	18.3	X	104.42781	358.50895	163.03498	5.33501	0.1770783	0.27690977	2.3311875	21	7 6.4	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495201 2013 CP_{34}	17.9	X	106.89043	28.61907	122.52904	4.74663	0.1514188	0.26757438	2.3850987	21	6 22.1	21.1
495202 2013 CG_{48}	17.3	X	199.67463	344.19477	119.95558	5.76132	0.0405586	0.28132079	2.3067551	21	8 2.3	20.3
495203 2013 CW_{53}	17.7	X	106.26933	292.25270	317.73798	5.95054	0.0475282	0.30057482	2.2071625	21	10 24.4	20.5
495204 2013 CA_{67}	17.8	X	101.89628	246.33514	299.78909	6.02485	0.0772082	0.27896989	2.3196965	21	7 24.6	20.8
495205 2013 CU_{80}	17.8	X	90.96066	7.92809	204.65460	6.47888	0.1560626	0.28193972	2.3033779	21	8 25.9	20.9
495206 2013 CM_{88}	17.9	X	15.09285	13.09058	162.21639	23.54124	0.0590348	0.36934682	1.9238881	21	1 24.8	20.1
495207 2013 CR_{116}	17.8	X	167.44309	347.93164	111.30422	5.14006	0.0707451	0.27383572	2.3486014	21	6 14.8	21.1
495208 2013 CC_{120}	18.1	X	182.97145	34.54565	79.19658	8.99768	0.1117143	0.28871749	2.2671869	21	7 24.7	21.5
495209 2013 CB_{143}	17.4	X	37.91808	314.70191	319.31887	9.04875	0.2127448	0.27993330	2.3143711	21	9 16.1	19.8
495210 2013 CM_{148}	17.8	X	94.68480	88.40997	92.42382	2.94515	0.1040670	0.27290720	2.3539256	21	7 11.3	20.7
495211 2013 CP_{180}	18.4	X	129.40350	338.20353	174.75853	8.74058	0.1279650	0.27852131	2.3221865	21	7 16.9	21.8
495212 2013 CX_{185}	17.6	X	51.32193	59.83086	189.80417	5.04195	0.1172310	0.28011788	2.3133543	21	8 17.9	20.1
495213 2013 CA_{192}	17.0	X	59.43076	19.90902	223.74798	12.15242	0.1582803	0.27735292	2.3287036	21	8 24.6	20.0
495214 2013 CB_{209}	17.6	X	82.57737	284.42749	233.74834	4.33080	0.1702160	0.26321063	2.4113880	21	6 2.5	20.5
495215 2013 EN_{5}	18.5	X	76.99784	5.17535	180.63805	2.35746	0.1142448	0.26836350	2.3804209	21	6 24.5	21.4
495216 2013 ET_{12}	18.0	X	25.20349	257.34761	4.07899	7.20469	0.1138095	0.27197069	2.3593261	21	7 23.8	20.4
495217 2013 EO_{14}	18.1	X	66.09566	28.34781	161.72727	5.00501	0.1141935	0.26589743	2.3951164	21	6 14.2	20.9
495218 2013 EJ_{17}	17.9	X	220.92817	262.61726	160.21904	6.46660	0.0855144	0.27863732	2.3215419	21	6 27.7	21.1
495219 2013 FO_{12}	17.6	X	25.77964	233.94726	14.95688	4.01984	0.1386300	0.26308429	2.4121600	21	7 5.5	19.8
495220 2013 FL_{13}	17.7	X	160.46715	15.01153	100.58677	4.87539	0.1002512	0.27245497	2.3565296	21	6 30.3	21.0
495221 2013 FV_{22}	17.9	X	184.21584	290.41725	182.14536	4.22653	0.0991624	0.27770095	2.3267576	21	7 22.1	21.3
495222 2013 GU_{38}	20.6	X	2.80386	66.02481	206.88657	17.85652	0.2731868	0.49646180	1.5795941	21	5 15.5	19.2
495223 2013 GN_{47}	17.9	X	33.86358	223.30005	39.32667	1.73854	0.1624340	0.26899550	2.3766909	21	8 16.8	20.0
495224 2013 GF_{52}	17.3	X	317.97633	167.29915	74.29480	15.08214	0.1166426	0.23269751	2.6178307	21	3 4.9	21.0
495225 2013 GD_{59}	17.5	X	32.08483	126.78663	24.44351	7.86552	0.1666231	0.23916980	2.5703868	21	2 23.6	20.0
495226 2013 GP_{86}	17.1	X	28.22381	153.04150	85.06574	10.38296	0.0508957	0.25703358	2.4498687	21	6 14.7	20.0
495227 2013 GL_{89}	17.5	X	10.72430	127.41517	67.90141	12.63402	0.1195219	0.24050444	2.5608688	21	3 23.7	20.5
495228 2013 GA_{101}	17.4	X	24.37793	170.61836	55.99673	8.32739	0.1112578	0.25224300	2.4807898	21	5 25.3	20.0
495229 2013 GJ_{130}	17.3	X	72.81434	93.58126	173.29757	6.95157	0.1017085	0.27947022	2.3169270	21	10 13.3	20.2
495230 2013 GU_{135}	17.9	X	4.74426	126.54959	73.79804	3.31384	0.1160641	0.23824983	2.5769994	21	3 14.7	20.7
495231 2013 HR_{4}	17.5	X	175.77753	6.14838	98.90677	7.37521	0.0672250	0.27002945	2.3706201	21	7 2.8	20.8
495232 2013 HS_{12}	17.8	X	56.61349	94.85077	124.43784	4.15543	0.0902090	0.26220066	2.4175763	21	7 8.0	20.4
495233 2013 HS_{56}	18.0	X	86.59064	310.78511	229.45186	6.13118	0.1321471	0.26273312	2.4143089	21	7 2.8	21.1
495234 2013 HP_{75}	18.0	X	320.72301	331.45066	355.39178	2.77537	0.1908108	0.25978703	2.4325274	21	6 15.5	20.2
495235 2013 HX_{81}	16.2	X	275.39793	246.33370	215.64547	12.68337	0.2409537	0.18557450	3.0440878	21	9 26.0	20.4
495236 2013 HJ_{114}	18.9	X	34.02684	0.72746	220.39710	1.90600	0.1465002	0.25455638	2.4657369	21	6 8.5	21.1
495237 2013 JY_{12}	16.9	X	305.79260	79.71301	233.46822	25.49937	0.3454542	0.23730543	2.5838320	21	4 3.9	21.0
495238 2013 JB_{26}	17.4	X	335.86946	18.60817	190.26252	13.46415	0.1559964	0.22704233	2.6611222	21	1 29.9	20.9
495239 2013 JS_{31}	18.2	X	23.37028	91.77657	198.97604	0.99372	0.1762791	0.26354178	2.4093676	21	9 10.0	20.4
495240 2013 JU_{35}	17.3	X	342.59262	122.15956	90.66472	11.88993	0.1710146	0.22941283	2.6427591	21	2 19.4	20.5
495241 2013 JT_{37}	16.8	X	8.13711	90.46769	101.33772	30.04293	0.2569794	0.23793519	2.5792707	21	3 2.2	19.7
495242 2013 JE_{46}	17.3	X	289.86396	144.88606	183.29188	10.42167	0.0936288	0.24301202	2.5432217	21	5 18.2	20.7
495243 2013 JO_{55}	17.5	X	11.22078	29.37310	182.58756	5.05331	0.0820178	0.23862777	2.5742777	21	4 12.1	20.4
495244 2013 KP_{14}	17.5	X	322.89653	204.44093	58.10464	10.37759	0.1480764	0.23835333	2.5762533	21	3 31.4	20.7
495245 2013 LM_{6}	16.4	X	27.69464	326.94083	231.84406	14.73830	0.1028022	0.24063654	2.5599314	21	4 18.7	19.2
495246 2013 LU_{14}	16.2	X	94.01458	356.56748	100.29135	22.89924	0.0265273	0.22627676	2.6671212	21	3 17.8	20.3
495247 2013 LR_{24}	16.9	X	251.72261	116.36783	212.15358	11.08001	0.2489596	0.22410549	2.6843206	21	3 17.2	21.5
495248 2013 LA_{25}	16.3	X	224.47355	140.10999	235.65942	31.19632	0.1786807	0.23232376	2.6206376	21	4 25.1	20.9
495249 2013 LE_{26}	17.4	X	59.87218	85.43356	91.18738	6.44913	0.1118875	0.24196327	2.5505651	21	5 17.2	20.3
495250 2013 LY_{27}	16.8	X	11.74539	92.47425	139.46445	25.65686	0.1786160	0.24414856	2.5353228	21	5 20.4	19.9
495251 2013 NH	16.7	X	268.13351	280.74039	92.31328	12.75888	0.3393270	0.24147514	2.5540012	21	5 20.8	20.9
495252 2013 OS	16.0	X	296.81148	254.09634	282.10009	12.30286	0.0840637	0.17647222	3.1478823	21	—	—
495253 Hanszimmer	17.3	X	76.36805	113.37119	156.18608	8.66597	0.2432459	0.26447459	2.4036990	21	11 6.9	21.0
495254 2013 PG_{2}	17.2	X	310.30430	170.29959	154.43020	12.02930	0.2285616	0.23414613	2.6070222	21	5 23.0	20.6
495255 2013 PE_{16}	17.0	X	320.81297	123.85776	154.33980	13.23148	0.2453444	0.22403440	2.6848884	21	4 2.9	20.4
495256 2013 PW_{19}	17.1	X	326.44120	335.28070	337.18528	7.48770	0.2434890	0.23284930	2.6166929	21	5 25.7	20.0
495257 2013 PU_{25}	16.3	X	208.75275	14.84766	317.67578	9.88984	0.1183716	0.19527219	2.9424501	21	2 22.1	21.0
495258 2013 PC_{27}	16.6	X	123.44862	72.46210	302.15428	6.80476	0.0933163	0.17804680	3.1292957	21	1 19.2	21.0
495259 2013 PT_{32}	16.1	X	171.55012	159.33846	175.10466	20.21275	0.0897279	0.18175877	3.0865440	21	1 20.0	21.1
495260 2013 PO_{38}	16.2	X	123.38227	24.21149	12.70496	8.64085	0.1174828	0.19011094	2.9954677	21	2 18.8	20.6
495261 2013 PW_{61}	17.3	X	265.19602	161.30383	162.12571	14.35530	0.1685313	0.21783795	2.7355649	21	4 5.0	21.6
495262 2013 PT_{62}	16.9	X	240.91366	79.25973	229.16312	4.92882	0.0567519	0.20405767	2.8573763	21	2 26.5	21.1
495263 2013 PB_{72}	16.0	X	119.09167	35.59895	348.11306	9.03026	0.1189111	0.17751903	3.1354949	21	1 30.6	20.5
495264 2013 QE	16.1	X	67.73416	124.50584	305.49390	12.79116	0.0763720	0.18272645	3.0756372	21	1 12.8	20.1
495265 2013 QJ_{2}	17.3	X	266.16660	133.33217	165.44408	13.92561	0.2008566	0.21164930	2.7886338	21	3 1.4	21.7
495266 2013 QD_{4}	17.8	X	285.31263	41.81705	263.21757	0.91114	0.2060802	0.21855195	2.7296037	21	3 26.5	21.9
495267 2013 QM_{14}	16.2	X	332.01240	172.23530	334.98774	11.01205	0.0440738	0.17062016	3.2194559	21	—	—
495268 2013 QC_{27}	17.1	X	358.08496	114.45364	164.82855	13.09464	0.1466966	0.23397418	2.6082993	21	6 25.4	20.0
495269 2013 QT_{31}	16.9	X	190.54593	129.85700	177.84005	14.05639	0.0436636	0.17937101	3.1138753	21	1 7.2	21.7
495270 2013 QN_{34}	16.4	X	140.56002	239.89102	157.62965	20.18323	0.2335901	0.18016098	3.1047661	21	3 20.9	21.5
495271 2013 QZ_{38}	17.1	X	338.40717	344.75472	311.01234	6.71844	0.1718782	0.23364095	2.6107788	21	6 6.5	19.7
495272 2013 QE_{79}	17.2	X	241.13033	173.21475	160.79590	10.06780	0.2395926	0.20958268	2.8069356	21	3 20.9	21.9
495273 2013 QO_{90}	17.5	X	314.91564	95.32771	155.43321	2.71357	0.1586256	0.21195434	2.7859577	21	3 1.8	21.1
495274 2013 QV_{93}	17.3	X	309.13818	318.60645	21.93346	8.64856	0.2523374	0.23259969	2.6185646	21	6 3.7	20.5
495275 2013 RT_{7}	16.5	X	19.75620	297.81514	180.27916	8.92831	0.1108869	0.17714985	3.1398497	21	1 1.8	20.5
495276 2013 RQ_{17}	17.2	X	198.08432	57.49865	277.18317	4.15213	0.1576140	0.19457587	2.9494660	21	2 15.5	22.0
495277 2013 RR_{27}	15.5	X	219.07742	252.29229	17.62778	25.06822	0.2024895	0.17414360	3.1758821	21	—	—
495278 2013 RD_{32}	18.4	X	312.06548	85.99409	170.11334	11.57765	0.5207627	0.22104944	2.7090048	21	1 15.9	23.3
495279 2013 RV_{38}	16.5	X	146.54910	177.32994	175.00465	10.71339	0.0835632	0.17529584	3.1619498	21	1 16.2	21.3
495280 2013 RD_{45}	15.4	X	74.69761	229.03687	205.23188	16.48347	0.1134539	0.17327886	3.1864394	21	1 28.5	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495281 2013 RU_{50}	16.7	X	259.40768	60.61482	329.18865	7.13248	0.1790923	0.22531402	2.6747133	21	6 18.3	20.7
495282 2013 RE_{51}	16.5	X	104.94706	18.19736	6.73957	0.60179	0.1643996	0.17146089	3.2089233	21	1 20.7	20.9
495283 2013 RS_{69}	16.7	X	226.32584	288.46072	1.74714	5.82316	0.0568110	0.18551756	3.0447108	21	1 26.6	21.2
495284 2013 RG_{79}	17.4	X	264.50938	106.54279	213.24995	1.85010	0.1768021	0.21120987	2.7925004	21	3 27.4	21.5
495285 2013 RM_{84}	16.3	X	134.60169	151.28096	219.56305	9.03261	0.1287452	0.17459424	3.1704150	21	1 28.9	21.2
495286 2013 RP_{92}	15.9	X	135.23194	182.02039	195.61061	17.43534	0.2054958	0.17581583	3.1557123	21	2 13.3	21.1
495287 Harari	15.6	X	119.56400	347.94429	40.54838	17.64461	0.2046194	0.17191974	3.2032110	21	2 23.8	20.7
495288 2013 SN_{27}	16.0	X	229.47561	335.54172	313.28334	10.51553	0.1255196	0.18426978	3.0584401	21	1 25.0	20.9
495289 2013 TS_{21}	16.4	X	219.36495	262.24584	25.03578	8.73361	0.0774758	0.17776078	3.1326515	21	1 17.3	21.3
495290 2013 TC_{35}	16.3	X	163.82940	71.24639	289.96024	6.22791	0.1940201	0.17757878	3.1347916	21	2 19.9	21.5
495291 2013 TK_{44}	16.8	X	303.59313	296.50751	16.14162	9.78814	0.1937165	0.21731328	2.7399662	21	4 27.9	20.3
495292 2013 TN_{97}	16.7	X	84.45537	42.56996	19.55794	1.01005	0.0905324	0.17521052	3.1629763	21	1 28.5	20.8
495293 2013 TO_{97}	16.7	X	160.63095	160.64334	183.81053	2.80567	0.0773288	0.17851459	3.1238266	21	1 21.6	21.4
495294 2013 TY_{118}	16.1	X	91.49379	151.32964	230.51133	9.59904	0.1247991	0.16058632	3.3522034	21	—	—
495295 2013 TX_{138}	16.2	X	200.42153	237.48820	82.94719	7.31400	0.1169175	0.17799995	3.1298447	21	2 6.1	21.2
495296 2013 TV_{148}	16.2	X	219.51771	99.40792	150.21380	9.91717	0.0549332	0.17459968	3.1703491	21	—	—
495297 2013 TJ_{159}	6.6	X	18.10730	174.48743	165.10316	4.79815	0.3243280	0.00250909	53.6362853	21	10 10.7	22.4
495298 2013 UU_{7}	15.4	X	171.21807	292.87340	62.75784	27.41411	0.1353174	0.17785599	3.1315334	21	3 5.1	20.9
495299 2013 VD_{6}	15.8	X	149.68512	268.71072	84.45423	16.95018	0.2270551	0.17116788	3.2125843	21	2 7.8	21.3
495300 2013 VO_{22}	16.0	X	173.73614	131.65722	225.46266	17.34889	0.0949274	0.17899325	3.1182549	21	2 14.1	21.2
495301 2013 WO_{7}	15.7	X	179.71680	274.25447	54.80417	16.41893	0.2280007	0.17186928	3.2038380	21	2 5.7	21.4
495302 2013 WW_{39}	15.4	X	261.35172	33.03499	258.15216	26.77325	0.1070120	0.17737005	3.1372504	21	2 15.6	20.7
495303 2013 WH_{59}	15.9	X	161.13706	333.22846	70.30854	13.06694	0.1265944	0.18198841	3.0839469	21	4 11.5	20.9
495304 2013 YC_{19}	18.0	X	73.80463	261.22254	88.07671	23.76979	0.0620402	0.38809073	1.8614321	21	—	—
495305 2013 YE_{97}	18.2	X	214.66508	106.55365	142.78101	22.94007	0.0768516	0.38278835	1.8785824	21	—	—
495306 2014 AW_{15}	18.0	X	194.27470	109.51440	81.41828	25.07670	0.0804949	0.35967748	1.9582158	21	12 5.8	20.0
495307 2014 AQ_{32}	18.9	X	120.07752	208.14059	154.06209	23.65240	0.0456699	0.40454688	1.8106040	21	—	—
495308 2014 AE_{33}	18.2	X	338.04599	301.69344	138.25904	23.35564	0.0997162	0.37606770	1.9008975	21	—	—
495309 2014 DU_{112}	18.1	X	152.47230	142.79335	162.08997	22.44423	0.0792920	0.37674863	1.8986064	21	—	—
495310 2014 EH	18.0	X	155.37305	157.91860	142.99852	23.65801	0.0618297	0.37582279	1.9017232	21	—	—
495311 2014 ED_{4}	17.6	X	23.01546	248.05142	150.15244	24.97544	0.1186069	0.36510357	1.9387657	21	—	—
495312 2014 EV_{24}	17.6	X	312.82053	295.44846	194.21146	23.21331	0.0897780	0.37213441	1.9142684	21	—	—
495313 2014 EW_{49}	18.1	X	277.94055	348.87971	170.15630	24.13513	0.0612879	0.37147958	1.9165173	21	—	—
495314 2014 FP_{10}	18.0	X	305.78226	291.96783	169.08240	23.15421	0.0699671	0.36522729	1.9383279	21	—	—
495315 2014 GH_{9}	18.2	X	339.07513	49.99581	158.93637	1.50377	0.1305152	0.27004248	2.3705439	21	1 31.9	20.9
495316 2014 GD_{45}	20.9	X	112.36938	239.12612	24.50465	7.22610	0.4692839	0.32247523	2.1060652	21	12 7.9	25.3
495317 2014 HL_{46}	17.7	X	144.91713	246.86184	91.16942	24.89175	0.1454684	0.37118832	1.9175198	21	—	—
495318 2014 HF_{128}	16.9	X	84.13211	85.54338	249.05515	3.39200	0.0770527	0.21231214	2.7828267	21	—	—
495319 2014 HB_{154}	17.0	X	69.20937	348.66422	16.02245	6.38371	0.0581809	0.21907094	2.7252909	21	—	—
495320 2014 HP_{181}	16.1	X	42.96164	184.15610	156.81996	10.87350	0.1229612	0.18993874	2.9972779	21	11 30.1	20.3
495321 2014 JJ_{53}	16.6	X	22.59101	258.95556	60.04051	13.26035	0.1385748	0.17382632	3.1797455	21	10 8.0	20.7
495322 2014 JF_{69}	17.2	X	172.02802	288.45767	339.66901	2.47620	0.0097729	0.21773316	2.7364425	21	—	—
495323 2014 JG_{78}	19.6	X	180.44487	198.15139	178.94938	17.92353	0.5632484	0.64727057	1.3235656	21	3 8.5	20.8
495324 2014 KR	17.7	X	319.85900	174.86394	91.97823	7.09012	0.0976416	0.27449806	2.3448219	21	4 3.5	20.5
495325 2014 KS_{2}	17.7	X	59.05169	119.88997	92.44263	5.72704	0.1215587	0.29469013	2.2364489	21	7 7.2	19.8
495326 2014 KE_{7}	16.5	X	11.61587	305.08478	39.01816	10.54507	0.0338602	0.18879024	3.0094216	21	10 11.8	20.6
495327 2014 KU_{24}	16.8	X	47.57299	204.28920	107.46846	4.57693	0.1762516	0.17824068	3.1270260	21	11 5.3	21.0
495328 2014 KP_{31}	16.8	X	179.86105	63.19770	183.81185	5.49852	0.1472404	0.21000015	2.8032144	21	12 26.5	21.3
495329 2014 KJ_{55}	18.3	X	44.35242	356.23473	253.41419	1.09391	0.1515048	0.29889578	2.2154206	21	8 14.6	20.2
495330 2014 KL_{88}	17.0	X	104.54210	235.39544	132.11493	15.06899	0.0988658	0.22330154	2.6907596	21	—	—
495331 2014 KF_{91}	19.1	X	103.71009	34.47604	233.02158	6.99046	0.4254301	0.31540383	2.1374276	21	12 7.6	23.3
495332 2014 LH_{8}	16.9	X	265.48020	135.06138	86.96752	12.84927	0.1194406	0.23480063	2.6021753	21	—	—
495333 2014 LU_{12}	17.2	X	286.38526	221.38963	86.05393	9.66380	0.1453860	0.26617921	2.3934258	21	4 8.5	20.6
495334 2014 LF_{27}	17.5	X	153.67504	3.20842	132.73585	25.57698	0.1775208	0.30082883	2.2059199	21	7 24.3	21.0
495335 2014 MA_{25}	17.9	X	327.70928	246.92967	105.72811	3.87259	0.2493676	0.28398118	2.2923258	21	8 8.0	19.0
495336 2014 ML_{31}	17.1	X	231.79296	298.32803	116.90574	6.93935	0.0778611	0.27167368	2.3610454	21	7 1.4	20.3
495337 2014 MT_{35}	17.9	X	164.25571	56.26859	102.96680	2.61305	0.0723597	0.30800765	2.1715094	21	9 5.9	20.6
495338 2014 ML_{37}	17.5	X	17.00536	330.68660	307.07385	6.76498	0.0996044	0.27694920	2.3309662	21	7 30.2	19.7
495339 2014 MK_{40}	18.3	X	11.93185	252.71808	50.97985	5.28196	0.1998112	0.28626946	2.2800938	21	9 17.7	20.0
495340 2014 NX_{11}	18.4	X	37.92166	216.34871	74.36386	2.48882	0.1777229	0.29691808	2.2252473	21	10 12.6	20.7
495341 2014 NJ_{24}	16.0	X	128.43198	124.80533	154.73539	12.66876	0.1083875	0.18594174	3.0400784	21	12 15.4	20.9
495342 2014 NN_{36}	16.3	X	50.17736	98.06853	42.23235	14.69969	0.0859192	0.23486911	2.6016694	21	3 15.5	19.6
495343 2014 NE_{37}	17.8	X	350.18305	116.08184	238.01751	4.76276	0.1930838	0.28943147	2.2634568	21	10 16.5	19.3
495344 2014 NW_{57}	16.0	X	88.88329	198.64061	118.52660	17.44141	0.0846947	0.17673471	3.1447646	21	12 17.0	20.8
495345 2014 NS_{59}	18.6	X	7.55866	355.81612	334.97974	2.27733	0.2454686	0.29030910	2.2588928	21	10 27.6	20.2
495346 2014 OU_{2}	18.1	X	33.70651	325.39721	300.53116	6.44277	0.0928588	0.28603543	2.2813373	21	8 9.9	20.4
495347 2014 OJ_{14}	18.0	X	307.07412	258.25950	131.24001	3.71083	0.1513101	0.29069547	2.2568908	21	9 7.3	19.8
495348 2014 OB_{39}	18.7	X	100.61433	139.55290	85.28429	2.87811	0.1211366	0.29638382	2.2279207	21	9 24.4	21.6
495349 2014 OO_{41}	17.7	X	159.85970	316.86922	84.71816	4.39907	0.1624503	0.23511735	2.5998378	21	4 1.8	21.8
495350 2014 OB_{42}	17.5	X	153.29214	281.64982	84.76333	5.27871	0.1023026	0.22188774	2.7021773	21	2 6.2	21.4
495351 2014 OB_{45}	18.2	X	325.78545	171.64477	175.63152	0.87393	0.1399719	0.28349314	2.2949559	21	8 6.7	20.0
495352 2014 OZ_{57}	17.4	X	261.29851	190.19071	81.41153	5.07148	0.0557802	0.23065313	2.6332766	21	2 3.6	21.2
495353 2014 ON_{59}	18.1	X	65.94362	114.56800	97.20873	7.07162	0.0634191	0.27405827	2.3473298	21	7 7.5	20.6
495354 2014 OD_{66}	18.4	X	91.67128	227.51872	356.92038	1.42094	0.1812034	0.29484517	2.2356649	21	9 18.5	21.4
495355 2014 OB_{72}	18.8	X	13.28159	196.06212	112.07682	4.60372	0.2050983	0.28656659	2.2785174	21	9 28.8	20.5
495356 2014 OL_{88}	17.4	X	227.06128	8.56263	254.70568	4.04293	0.0738494	0.21849270	2.7300971	21	—	—
495357 2014 OV_{88}	16.2	X	241.09090	295.29355	223.17524	3.53609	0.0849497	0.18357985	3.0660980	21	11 17.4	20.5
495358 2014 OP_{89}	17.4	X	147.70015	227.47825	151.27145	6.85850	0.1043061	0.22585412	2.6704474	21	2 13.1	21.3
495359 2014 OB_{91}	16.8	X	78.13964	211.32150	159.07773	9.60009	0.0552368	0.19654879	2.9296953	21	—	—
495360 2014 OA_{96}	17.8	X	29.97107	178.08597	137.05700	6.54942	0.2017199	0.29193801	2.2504824	21	11 9.8	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495361 2014 OT_{96}	18.0	X	6.01888	197.10971	151.61509	9.50511	0.1864919	0.29201063	2.2501093	21	11 16.6	20.2
495362 2014 OQ_{116}	18.9	X	5.67772	202.77788	120.05384	3.68981	0.2040569	0.29086423	2.2560177	21	10 6.3	20.4
495363 2014 OW_{150}	16.6	X	23.62091	206.54410	151.79031	1.96855	0.0804660	0.16825171	3.2495987	21	11 14.3	20.8
495364 2014 OJ_{165}	17.9	X	288.90228	254.81041	97.52292	8.83737	0.1185508	0.27100645	2.3649192	21	6 13.1	20.8
495365 2014 OQ_{182}	17.4	X	263.97514	288.52046	85.23260	7.53752	0.1464791	0.26284617	2.4136166	21	6 5.5	20.5
495366 2014 OF_{185}	17.5	X	332.32771	268.38760	78.64701	8.45608	0.1558472	0.28114655	2.3077081	21	8 24.6	19.5
495367 2014 OO_{191}	18.7	X	10.39607	180.65530	134.33621	4.93563	0.2522109	0.28253297	2.3001525	21	10 11.2	20.3
495368 2014 OQ_{194}	18.0	X	280.16659	253.06658	111.74038	2.42441	0.1984519	0.25893374	2.4378685	21	6 6.0	21.0
495369 2014 OF_{212}	16.0	X	106.59838	54.01445	252.32386	17.13861	0.2235397	0.18067116	3.0989185	21	12 29.2	21.3
495370 2014 OZ_{215}	18.0	X	304.87596	18.00345	336.67296	5.16269	0.1413761	0.27860115	2.3217428	21	7 9.1	20.4
495371 2014 OU_{231}	18.2	X	306.43976	12.60788	322.23246	2.04074	0.1837513	0.26293354	2.4130818	21	6 2.8	21.0
495372 2014 OC_{233}	17.0	X	172.26559	49.14923	334.52882	5.80877	0.0663155	0.22375965	2.6870858	21	3 14.3	21.0
495373 2014 OP_{237}	16.8	X	340.43435	252.63963	291.21755	10.43211	0.0192057	0.23030112	2.6359592	21	1 24.5	20.4
495374 2014 OC_{282}	15.9	X	82.90534	226.14458	95.59625	11.88526	0.1103675	0.17550733	3.1594092	21	12 17.1	20.6
495375 2014 OY_{303}	18.3	X	64.39640	189.74413	87.97328	3.63690	0.1162353	0.30057345	2.2071693	21	10 22.7	21.0
495376 2014 OZ_{333}	16.8	X	202.34616	233.87256	147.60163	12.72170	0.1254545	0.23278105	2.6172043	21	4 18.4	21.1
495377 2014 OA_{335}	17.3	X	177.35641	211.67213	99.34634	5.38214	0.0913135	0.21316306	2.7754160	21	—	—
495378 2014 OP_{339}	18.3	X	304.87102	299.62461	52.98737	2.07072	0.1891404	0.27436952	2.3455542	21	6 26.3	20.5
495379 2014 OH_{355}	18.7	X	61.46881	57.54267	247.98494	3.37333	0.1936283	0.30779792	2.1724957	21	12 5.7	21.5
495380 2014 OY_{364}	15.9	X	143.82862	124.83678	114.03385	8.15260	0.1392108	0.17153743	3.2079687	21	11 13.2	21.1
495381 2014 OJ_{377}	17.9	X	315.81633	242.59211	112.05006	5.66660	0.1380371	0.27902757	2.3193768	21	7 29.9	20.0
495382 2014 PK_{39}	17.3	X	226.87209	221.80928	182.53070	4.61120	0.1478417	0.25516681	2.4618028	21	6 5.5	21.0
495383 2014 QO_{98}	18.4	X	6.08899	48.38265	243.00570	3.93807	0.1003474	0.27709355	2.3301566	21	7 29.4	20.6
495384 2014 QX_{129}	18.3	X	12.39922	302.17851	337.13686	1.07117	0.1640436	0.27307561	2.3529576	21	7 29.2	20.0
495385 2014 QL_{144}	17.7	X	12.44617	258.70270	356.68145	14.32882	0.1155783	0.26205381	2.4184794	21	6 14.9	20.5
495386 2014 QK_{171}	18.0	X	38.46952	39.11393	248.26880	2.88179	0.1439701	0.28531200	2.2851920	21	9 28.0	20.4
495387 2014 QL_{174}	17.6	X	223.05978	242.09733	157.86093	2.44391	0.0563370	0.25397397	2.4695050	21	6 2.1	21.0
495388 2014 QL_{236}	18.1	X	18.24042	151.74800	151.23187	0.89254	0.1438092	0.28240906	2.3008253	21	9 17.3	20.1
495389 2014 QX_{243}	16.6	X	35.61923	51.00442	39.95979	10.64993	0.2223531	0.18946264	3.0022971	21	—	—
495390 2014 QE_{249}	17.3	X	11.26483	207.91117	123.22148	7.50768	0.2477743	0.28888036	2.2663346	21	11 9.7	19.3
495391 2014 QK_{250}	17.6	X	285.40045	276.90084	76.37986	7.32490	0.1249019	0.25949198	2.4343710	21	6 8.2	20.5
495392 2014 QE_{251}	17.0	X	179.29851	261.98253	139.63487	15.89569	0.1128550	0.23194546	2.6234863	21	4 22.2	21.3
495393 2014 QB_{255}	18.4	X	9.70406	216.94914	85.87416	6.93079	0.2451894	0.28005952	2.3136757	21	9 18.9	20.0
495394 2014 QF_{263}	16.9	X	337.09726	188.57719	17.35955	13.35747	0.1732636	0.22616067	2.6680338	21	2 3.5	20.4
495395 2014 QB_{268}	16.9	X	207.52892	211.98483	173.53278	13.51851	0.1405190	0.23236850	2.6203012	21	4 26.9	21.2
495396 2014 QW_{276}	17.6	X	305.88038	10.95401	325.16023	7.62590	0.2147847	0.26920171	2.3754771	21	5 27.4	20.4
495397 2014 QW_{306}	17.1	X	209.77467	204.85205	164.27473	14.17109	0.1028335	0.23354598	2.6114865	21	4 9.1	21.1
495398 2014 QY_{310}	18.8	X	357.87906	14.83421	318.48264	0.53538	0.2751707	0.28403181	2.2920534	21	10 11.9	19.9
495399 2014 QV_{315}	18.2	X	0.74232	167.81076	148.25958	2.56337	0.1665040	0.28638892	2.2794597	21	9 4.9	19.6
495400 2014 QW_{331}	17.0	X	150.43437	293.08240	141.63067	8.26284	0.1182683	0.22632535	2.6667395	21	5 2.2	21.1
495401 2014 QO_{337}	17.4	X	237.26959	230.95578	156.33282	14.73268	0.1010760	0.26059569	2.4274925	21	5 31.4	21.2
495402 2014 QW_{353}	18.4	X	10.27332	146.08010	154.57019	4.67875	0.1695480	0.27755577	2.3275689	21	8 30.6	20.2
495403 2014 QC_{355}	17.8	X	159.52281	82.47563	335.97053	0.92297	0.0625640	0.23049987	2.6344437	21	4 12.8	21.6
495404 2014 QF_{359}	19.2	X	7.15281	134.53222	186.59950	2.31916	0.2522978	0.28324406	2.2963011	21	10 11.5	20.7
495405 2014 QG_{398}	16.8	X	236.88739	357.20802	355.12838	15.23457	0.1583391	0.23902406	2.5714315	21	4 5.2	21.1
495406 2014 QY_{401}	18.1	X	300.98311	305.00815	48.20750	3.38091	0.2141341	0.26802924	2.3823996	21	6 15.9	20.6
495407 2014 QH_{421}	17.2	X	199.64915	315.40795	91.03233	5.57698	0.2100865	0.23168674	2.6254390	21	5 13.3	21.7
495408 2014 QY_{437}	16.0	X	323.12845	99.37413	94.34113	10.73499	0.0345772	0.18966658	3.0001445	21	1 23.1	20.2
495409 2014 QQ_{438}	17.0	X	250.53418	275.44677	70.15758	6.51185	0.1348515	0.22899279	2.6459898	21	4 19.5	21.0
495410 2014 RO_{19}	17.2	X	290.97688	186.91079	149.94148	16.67716	0.1358311	0.26049265	2.4281326	21	5 26.5	20.7
495411 2014 RJ_{41}	17.0	X	241.99676	313.58441	75.30036	7.74361	0.1713916	0.25441721	2.4666359	21	5 29.6	20.6
495412 2014 RL_{47}	17.5	X	62.52739	16.77343	40.70646	1.65498	0.2789274	0.18240475	3.0792523	21	1 11.1	20.5
495413 2014 RG_{55}	18.0	X	329.24626	326.35754	11.43764	2.68545	0.2122678	0.27503365	2.3417768	21	7 20.7	19.6
495414 2014 SR_{115}	18.0	X	12.68167	79.05134	191.01394	2.07845	0.1922284	0.26527039	2.3988893	21	7 15.3	19.6
495415 2014 SP_{126}	17.2	X	74.91944	331.26477	191.80648	12.95694	0.1059078	0.23963128	2.5670857	21	5 21.2	20.5
495416 2014 SZ_{135}	17.7	X	298.84860	235.98714	100.85155	2.44988	0.2000020	0.25798041	2.4438707	21	5 23.2	20.7
495417 2014 SO_{143}	19.7	X	82.21331	99.02559	191.60523	1.85034	0.4156054	0.30870254	2.1682494	21	12 21.3	23.8
495418 2014 SM_{145}	18.0	X	350.72901	227.87207	96.86434	6.26816	0.1881563	0.27813788	2.3243202	21	8 29.1	19.6
495419 2014 SM_{148}	16.7	X	77.46615	53.77305	181.00689	15.08557	0.1298747	0.25522221	2.4614465	21	9 3.5	19.9
495420 2014 SM_{154}	17.5	X	64.46391	12.18179	254.69519	2.11150	0.1472926	0.28062990	2.3105396	21	10 6.9	20.3
495421 2014 SW_{154}	18.1	X	325.41382	117.53061	213.26602	6.10100	0.1995912	0.26569613	2.3963260	21	6 29.6	20.3
495422 2014 SS_{155}	17.7	X	29.44968	349.51820	292.73618	2.19288	0.2429556	0.27679876	2.3318107	21	9 21.4	19.9
495423 2014 SJ_{157}	17.2	X	298.22312	168.12643	195.40263	23.59149	0.2239675	0.26355380	2.4092944	21	6 23.3	20.7
495424 2014 SP_{168}	17.2	X	353.64621	31.77586	252.04809	14.71792	0.1522673	0.26668453	2.3904014	21	6 20.8	19.2
495425 2014 SP_{177}	18.0	X	15.24213	244.61634	81.34488	2.89632	0.2042492	0.28763063	2.2728946	21	10 29.7	20.0
495426 2014 SD_{207}	17.3	X	183.37792	288.58038	83.31691	6.02051	0.1755301	0.21208808	2.7847863	21	3 21.7	21.9
495427 2014 SL_{210}	16.6	X	102.66731	244.00808	169.74690	9.08273	0.0956806	0.18968463	2.9999541	21	2 6.9	20.7
495428 2014 SZ_{211}	16.9	X	255.29076	146.16038	176.11783	13.17098	0.1748051	0.22340904	2.6898964	21	3 21.2	21.1
495429 2014 SL_{214}	16.9	X	251.35470	180.08014	185.03880	7.77238	0.2043613	0.23728372	2.5839896	21	5 7.3	20.9
495430 2014 SD_{215}	16.0	X	72.34375	346.19623	85.77093	10.93705	0.0323575	0.18247809	3.0784272	21	1 16.8	20.2
495431 2014 SM_{215}	16.6	X	164.41891	334.83734	66.19736	18.49722	0.1258937	0.20990378	2.8040724	21	4 12.2	21.2
495432 2014 SC_{218}	16.9	X	252.66219	174.85600	164.54367	6.36578	0.0517837	0.22429815	2.6827833	21	4 22.6	20.7
495433 2014 SY_{219}	16.5	X	27.45755	348.95968	123.51938	19.50343	0.1598019	0.17870851	3.1215662	21	1 6.7	20.0
495434 2014 SJ_{242}	17.2	X	13.05188	170.86259	124.69450	7.05674	0.1168512	0.27450592	2.3447771	21	8 23.0	19.4
495435 2014 SC_{257}	16.8	X	145.02867	199.47804	208.45728	4.32069	0.0959021	0.21168284	2.7883392	21	3 18.5	20.8
495436 2014 SE_{280}	17.9	X	318.20917	236.47320	98.06226	2.47442	0.2017869	0.26241685	2.4162483	21	6 20.9	20.2
495437 2014 SG_{280}	17.1	X	152.13369	340.15023	52.72437	6.06505	0.0683258	0.21121526	2.7924529	21	3 9.2	21.1
495438 2014 SX_{290}	17.0	X	199.97294	7.10829	18.29282	6.40284	0.1684998	0.23107840	2.6300448	21	4 16.2	21.1
495439 2014 SD_{292}	17.5	X	288.10869	153.11394	214.42127	5.55164	0.1649338	0.25915111	2.4365052	21	6 25.7	20.4
495440 2014 SN_{294}	16.3	X	238.39801	30.51729	288.20791	11.17651	0.0486620	0.22976801	2.6400349	21	3 2.0	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495441 2014 SH_{296}	16.5	X	105.79541	221.61925	235.52445	11.50926	0.1368061	0.22431807	2.6826244	21	4 5.9	20.4
495442 2014 SV_{303}	16.8	X	316.38406	166.02612	132.74319	35.19263	0.1673600	0.24123565	2.5556913	21	5 17.2	20.8
495443 2014 SD_{329}	16.6	X	265.53264	307.49657	41.41931	13.74673	0.1756111	0.23779905	2.5802551	21	5 2.4	20.4
495444 2014 SU_{330}	16.8	X	217.40320	174.97146	215.50310	21.48763	0.0360055	0.23468782	2.6030091	21	5 15.8	20.5
495445 2014 SD_{336}	17.0	X	154.85314	5.95468	46.06117	6.32854	0.0390601	0.21882663	2.7273190	21	3 31.7	20.8
495446 2014 SH_{338}	17.4	X	290.94319	183.13901	105.52552	3.76621	0.0394632	0.22615917	2.6680456	21	4 6.2	20.9
495447 2014 TY_{5}	18.0	X	323.61883	172.52701	174.66882	1.98518	0.1968120	0.26657571	2.3910519	21	7 23.8	20.1
495448 2014 TJ_{7}	16.9	X	193.05523	187.19162	187.54231	5.87335	0.0455486	0.21916318	2.7245262	21	3 27.4	20.6
495449 2014 TP_{7}	16.8	X	178.10388	185.27027	148.31603	2.61149	0.0963131	0.19890981	2.9064660	21	1 25.1	21.3
495450 2014 TJ_{8}	16.8	X	212.76495	26.24787	3.79383	6.21473	0.1518175	0.23450408	2.6043685	21	5 2.4	21.0
495451 2014 TP_{11}	16.2	X	8.89370	320.96899	216.49791	12.09253	0.0873376	0.21058775	2.7979975	21	2 19.2	19.9
495452 2014 TL_{20}	16.6	X	147.10643	135.25139	197.79471	9.22915	0.0946260	0.18754647	3.0227121	21	—	—
495453 2014 TE_{21}	17.9	X	280.36322	233.57834	182.53848	2.35557	0.1828612	0.26840659	2.3801661	21	8 21.1	20.6
495454 2014 TB_{22}	17.1	X	247.33755	297.29641	50.03935	4.35992	0.1365020	0.23355657	2.6114075	21	4 16.4	20.9
495455 2014 TM_{23}	17.3	X	251.22134	146.48549	202.73997	10.30447	0.0867965	0.23621129	2.5918047	21	4 27.6	20.9
495456 2014 TK_{30}	17.3	X	183.54687	264.30323	139.94054	4.70954	0.1578979	0.22597907	2.6694630	21	4 27.3	21.6
495457 2014 TR_{38}	16.5	X	144.18032	38.05767	25.13493	22.27097	0.0102870	0.22274490	2.6952406	21	4 1.1	20.2
495458 2014 TY_{40}	16.5	X	182.45115	281.26603	107.24419	15.50631	0.1573977	0.22043604	2.7140280	21	4 13.2	21.2
495459 2014 TO_{44}	16.8	X	261.62800	277.90283	35.92798	15.18193	0.1416478	0.22700718	2.6613969	21	3 25.4	21.0
495460 2014 TO_{45}	17.2	X	146.96677	219.25633	215.66550	4.33043	0.0944930	0.22041357	2.7142124	21	4 23.7	21.2
495461 2014 TE_{46}	17.0	X	253.28290	100.82309	213.81674	12.07660	0.1914457	0.22653502	2.6650937	21	3 4.5	21.5
495462 2014 TL_{47}	16.8	X	355.19001	228.50332	17.71437	4.10516	0.2195307	0.23746330	2.5826867	21	4 20.4	18.9
495463 2014 TE_{61}	17.5	X	261.73408	67.60263	240.00823	5.27140	0.0528902	0.22260453	2.6963735	21	3 19.2	21.3
495464 2014 TK_{63}	16.3	X	280.59285	45.00200	282.58238	9.11658	0.1733586	0.23775545	2.5805705	21	4 17.8	20.1
495465 2014 TX_{68}	17.4	X	287.95407	148.92253	176.23217	3.03703	0.1324290	0.23929132	2.5695165	21	5 4.5	20.9
495466 2014 TJ_{73}	16.4	X	241.36341	274.84356	74.03254	7.17847	0.0309997	0.22500713	2.6771448	21	4 23.8	20.1
495467 2014 TU_{73}	17.5	X	202.07205	202.91927	174.94526	5.50818	0.1414511	0.22206018	2.7007782	21	4 11.1	21.8
495468 2014 TB_{74}	17.0	X	252.50612	214.47046	141.95523	3.99364	0.2272213	0.23853992	2.5749097	21	4 25.5	21.2
495469 2014 TE_{75}	17.0	X	198.40781	224.56679	155.83970	4.30717	0.1012265	0.21932963	2.7231476	21	4 11.4	21.1
495470 2014 TM_{82}	17.4	X	314.53062	261.04045	130.05685	6.39137	0.1416123	0.27496285	2.3421788	21	9 26.3	19.5
495471 2014 UO_{6}	17.1	X	210.45251	224.52685	135.05758	4.41305	0.1109200	0.21677220	2.7445238	21	3 29.2	21.3
495472 2014 UO_{17}	16.8	X	222.84119	189.21367	146.58100	10.28666	0.1081331	0.21853833	2.7297171	21	3 12.3	21.0
495473 2014 UU_{17}	16.4	X	25.26577	245.93358	226.16885	7.77816	0.1268271	0.18079763	3.0974732	21	1 1.3	20.2
495474 2014 UT_{20}	16.7	X	237.83155	304.47772	41.85530	17.11960	0.0647219	0.22858342	2.6491481	21	4 14.3	20.6
495475 2014 UG_{22}	17.2	X	243.23010	247.48717	124.83107	4.50200	0.3038237	0.23934248	2.5691504	21	5 2.0	21.7
495476 2014 UK_{25}	15.9	X	49.11135	7.14117	76.82375	11.33110	0.0671647	0.17615055	3.1517134	21	1 3.9	20.1
495477 2014 UL_{25}	15.7	X	92.18001	221.12936	213.41538	9.86002	0.0803907	0.19034827	2.9929773	21	2 14.6	20.0
495478 2014 UH_{26}	17.5	X	159.78370	259.97107	208.72559	11.54266	0.1226456	0.23942064	2.5685912	21	6 21.0	21.6
495479 2014 UN_{31}	17.4	X	286.64239	95.43834	229.82634	6.74880	0.2783263	0.24306596	2.5428454	21	4 10.2	21.2
495480 2014 UV_{31}	16.8	X	114.39523	230.78305	216.31666	10.91362	0.0758807	0.21020879	2.8013592	21	3 28.4	20.7
495481 2014 UW_{45}	17.0	X	213.20179	123.15948	224.88310	5.40385	0.0978359	0.21479208	2.7613653	21	3 14.5	21.4
495482 2014 UF_{54}	16.5	X	92.66375	9.76735	44.25316	10.96496	0.0950761	0.18729323	3.0254362	21	1 30.9	20.7
495483 2014 UU_{55}	17.1	X	310.19765	115.81128	193.31240	8.13044	0.1660956	0.23966114	2.5668725	21	5 8.9	20.1
495484 2014 UM_{83}	16.4	X	124.48795	104.54209	229.79257	12.17175	0.1908817	0.17403163	3.1772442	21	—	—
495485 2014 UE_{85}	17.3	X	266.05203	308.96392	46.84842	2.52512	0.1544216	0.23972319	2.5664296	21	5 14.4	21.0
495486 2014 US_{88}	17.1	X	141.12775	258.14100	137.05382	2.82562	0.0820944	0.20125590	2.8838343	21	2 27.9	21.2
495487 2014 UC_{89}	17.5	X	273.84689	62.17948	218.28142	5.89537	0.0243873	0.21527964	2.7571946	21	3 4.2	21.4
495488 2014 UU_{98}	16.4	X	23.06544	18.01654	78.12577	11.95531	0.1025055	0.17366833	3.1816736	21	—	—
495489 2014 UE_{99}	16.5	X	120.23678	167.29164	223.81908	10.30291	0.1026221	0.18847773	3.0127472	21	1 30.8	21.0
495490 2014 UZ_{102}	17.3	X	164.32250	288.57352	126.26032	4.40672	0.0803554	0.21983769	2.7189504	21	4 18.4	21.3
495491 2014 UD_{104}	17.7	X	340.25847	215.28937	118.66067	5.11799	0.2189413	0.27372671	2.3492249	21	8 12.7	19.1
495492 2014 US_{105}	16.7	X	276.21605	254.19359	35.47396	11.59069	0.0362618	0.21420837	2.7663795	21	3 24.1	20.6
495493 2014 UB_{110}	16.3	X	50.48905	199.79468	227.66080	15.48832	0.1858317	0.17812386	3.1283931	21	—	—
495494 2014 UO_{126}	17.3	X	261.50902	153.91514	158.87125	4.62199	0.0896082	0.21756016	2.7378930	21	3 25.3	21.3
495495 2014 UF_{136}	17.3	X	256.94020	107.64855	231.69415	5.05568	0.0783747	0.22865057	2.6486294	21	4 21.5	21.1
495496 2014 UD_{137}	16.8	X	145.36053	342.94530	57.17103	10.57208	0.0928934	0.20159513	2.8805982	21	3 16.9	21.2
495497 2014 UD_{139}	17.2	X	219.64565	91.85136	271.94432	5.24153	0.0719542	0.22533184	2.6745723	21	4 9.3	21.2
495498 2014 UW_{153}	17.1	X	321.13573	254.74462	89.93787	6.19964	0.2207045	0.26704942	2.3882235	21	7 10.6	19.0
495499 2014 UQ_{158}	16.8	X	184.24089	248.33839	144.59333	6.46048	0.0757960	0.21991293	2.7183302	21	4 12.8	20.9
495500 2014 UL_{161}	17.0	X	267.56476	285.80722	8.77444	3.35552	0.0676616	0.21531876	2.7568606	21	3 11.9	20.9
495501 2014 UM_{162}	17.1	X	280.31132	266.72576	19.80942	3.37258	0.0624372	0.21627767	2.7487058	21	3 17.7	20.7
495502 2014 UY_{170}	16.3	X	3.56924	54.78239	74.90582	10.44966	0.0835052	0.17655213	3.1469323	21	—	—
495503 2014 UY_{172}	16.4	X	47.00258	333.20228	109.67943	8.96313	0.1419678	0.17861818	3.1226186	21	1 2.4	20.0
495504 2014 UV_{175}	17.1	X	353.78420	95.66771	242.55809	22.45038	0.2723552	0.27649309	2.3335289	21	9 24.2	19.1
495505 2014 UJ_{176}	17.2	X	237.05389	123.45474	233.50328	11.05473	0.1233567	0.23416470	2.6068844	21	4 16.1	21.1
495506 2014 UM_{177}	17.2	X	242.75528	132.50841	183.67684	6.04342	0.0348741	0.21571467	2.7534864	21	3 11.9	21.1
495507 2014 UK_{180}	17.4	X	325.96626	270.77272	72.50604	4.79072	0.0697883	0.26138454	2.4226060	21	8 8.4	20.0
495508 2014 UW_{187}	16.8	X	216.93097	138.26824	226.28121	12.42843	0.0722039	0.22287867	2.6941620	21	4 7.7	20.8
495509 2014 UR_{198}	16.8	X	205.83217	154.54582	241.82366	10.14069	0.0874024	0.23423022	2.6063982	21	5 6.4	20.6
495510 2014 UQ_{200}	16.6	X	297.49555	247.24264	32.34182	6.51371	0.1081600	0.22119156	2.7078443	21	3 24.3	20.3
495511 2014 UD_{206}	19.2	X	99.56981	302.21753	19.93192	6.47761	0.4294513	0.31771822	2.1270350	21	—	—
495512 2014 UM_{208}	16.5	X	84.69342	1.01957	44.13783	10.05944	0.0820360	0.17739766	3.1369250	21	1 7.3	20.8
495513 2014 UC_{217}	16.2	X	259.47408	240.12667	129.03962	15.23415	0.1094641	0.23949145	2.5680849	21	6 2.9	20.1
495514 2014 UF_{220}	16.4	X	189.47537	69.95543	282.39826	8.66697	0.1269055	0.21484546	2.7609079	21	2 23.2	20.9
495515 2014 UC_{223}	16.3	X	284.49961	302.02997	40.84556	14.23930	0.1883638	0.24161889	2.5529881	21	5 12.9	19.9
495516 2014 VA_{5}	17.1	X	222.38756	181.68305	213.79591	8.23879	0.1518784	0.23821345	2.5772618	21	5 20.9	21.1
495517 2014 VR_{13}	16.7	X	226.88532	294.18133	66.02328	15.33775	0.1683276	0.22846887	2.6500335	21	4 16.5	21.2
495518 2014 VY_{13}	17.2	X	226.66883	291.48649	81.12987	14.14159	0.2052864	0.23259520	2.6185983	21	4 28.5	21.7
495519 2014 VR_{20}	16.8	X	190.18573	297.65802	75.65861	5.66872	0.1443276	0.21308441	2.7760989	21	3 28.3	21.3
495520 2014 VA_{24}	16.1	X	72.74676	201.83484	230.55177	10.93209	0.0532666	0.18168299	3.0874021	21	1 16.5	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495521 2014 VY_{27}	16.9	X	291.53996	66.98947	244.92566	9.79112	0.1680949	0.23453916	2.6041089	21	4 12.8	20.6
495522 2014 VJ_{33}	17.0	X	199.28532	309.49343	57.76689	13.75056	0.1515470	0.21154012	2.7895933	21	4 2.0	21.7
495523 2014 WE_{4}	15.9	X	162.42788	321.70128	46.76988	9.92277	0.0380400	0.19354539	2.9599259	21	2 20.4	20.3
495524 2014 WS_{9}	17.2	X	221.67842	133.13953	246.00646	2.81350	0.1460187	0.23184624	2.6242347	21	4 28.9	21.3
495525 2014 WA_{25}	17.0	X	214.00966	97.47909	240.68600	3.35783	0.0738570	0.20832054	2.8182617	21	3 4.9	21.3
495526 2014 WC_{31}	17.2	X	179.70366	289.00439	81.70861	5.62750	0.1356809	0.20951913	2.8075032	21	3 15.6	21.7
495527 2014 WL_{39}	16.8	X	328.85334	7.23122	247.64465	16.47855	0.0890066	0.22199470	2.7013093	21	3 29.5	20.5
495528 2014 WH_{44}	16.6	X	109.53786	225.57937	186.77700	8.98517	0.2036105	0.19318224	2.9636341	21	2 27.8	20.8
495529 2014 WW_{44}	16.7	X	317.00093	32.52001	211.11480	3.72223	0.0329422	0.20723402	2.8281038	21	3 13.3	20.6
495530 2014 WQ_{49}	17.1	X	193.49851	171.92794	214.23550	5.88280	0.0926349	0.21632806	2.7482790	21	4 11.8	21.3
495531 2014 WO_{52}	16.6	X	296.73238	265.16244	65.76240	8.07526	0.1823975	0.24156285	2.5533829	21	5 16.0	19.7
495532 2014 WB_{54}	17.3	X	219.38792	144.22402	201.60996	3.63617	0.1759728	0.21530280	2.7569968	21	3 17.1	21.7
495533 2014 WH_{57}	16.4	X	52.58353	20.00868	67.91955	10.92609	0.0664349	0.18135372	3.0911381	21	1 13.2	20.5
495534 2014 WG_{60}	17.0	X	275.30322	191.53903	101.85682	5.22107	0.0743693	0.21433502	2.7652896	21	3 20.9	20.9
495535 2014 WJ_{67}	17.3	X	264.69801	283.39050	55.86092	11.32655	0.2305065	0.23754379	2.5821032	21	4 16.9	21.4
495536 2014 WK_{82}	17.2	X	308.24060	232.39935	83.75283	6.56425	0.1309178	0.24229755	2.5482187	21	5 21.1	20.2
495537 2014 WH_{95}	16.8	X	333.55213	315.12297	203.29180	8.22269	0.0393600	0.17768347	3.1335601	21	—	—
495538 2014 WA_{99}	17.2	X	260.50007	192.16270	111.61446	5.56811	0.0497563	0.21414521	2.7669234	21	3 19.3	21.1
495539 2014 WC_{108}	17.1	X	252.70882	267.02339	75.60174	15.57190	0.1695204	0.23373111	2.6101073	21	4 19.3	21.4
495540 2014 WJ_{129}	16.1	X	358.04373	85.89125	93.94380	10.97099	0.0216651	0.19991726	2.8966934	21	2 21.8	20.1
495541 2014 WL_{136}	16.4	X	300.40182	351.94119	239.78398	10.36878	0.1128081	0.19187288	2.9771016	21	1 25.8	20.9
495542 2014 WW_{139}	16.6	X	339.78416	273.41312	243.05841	10.74383	0.0707165	0.17414043	3.1759207	21	—	—
495543 2014 WD_{140}	17.7	X	291.23057	271.17605	70.59690	4.10252	0.2423943	0.24604287	2.5222930	21	5 13.7	21.1
495544 2014 WW_{140}	17.4	X	240.51086	280.96353	67.03457	5.86218	0.1687125	0.22441875	2.6818220	21	4 10.2	21.7
495545 2014 WO_{144}	16.7	X	52.74853	195.61193	234.30234	7.68569	0.0564949	0.17223106	3.1993499	21	—	—
495546 2014 WG_{150}	17.1	X	164.28229	184.84140	210.77106	7.93395	0.1328971	0.21395823	2.7685352	21	3 25.9	21.5
495547 2014 WF_{159}	16.4	X	48.01114	2.07391	77.34349	16.54309	0.1790334	0.17817098	3.1278414	21	1 1.5	19.9
495548 2014 WB_{166}	16.9	X	200.74921	147.45296	201.60216	4.09313	0.0790691	0.21284419	2.7781873	21	3 4.1	21.2
495549 2014 WV_{169}	18.1	X	62.57489	233.36863	83.81110	8.58307	0.2338092	0.30202499	2.2000918	21	12 25.0	21.2
495550 2014 WA_{188}	17.4	X	282.02454	185.28125	129.95890	6.26219	0.0559133	0.22708013	2.6608270	21	4 27.9	21.0
495551 2014 WZ_{198}	16.5	X	126.22707	258.11857	133.68636	10.51528	0.0795116	0.19158229	2.9801113	21	2 7.8	20.6
495552 2014 WS_{200}	17.2	X	19.93497	335.72952	12.76446	10.26233	0.2948338	0.28167545	2.3048185	21	12 22.3	20.0
495553 2014 WF_{207}	16.9	X	256.85350	305.62353	54.92616	9.68483	0.1813981	0.23821776	2.5772307	21	5 8.2	20.7
495554 2014 WK_{221}	16.2	X	33.29477	65.47237	44.44466	10.21755	0.0266758	0.18374092	3.0643060	21	1 13.1	20.5
495555 2014 WY_{230}	15.9	X	116.68617	72.30254	259.16813	7.71332	0.1316769	0.17554859	3.1589141	21	—	—
495556 2014 WU_{237}	16.8	X	193.61190	51.96011	302.42045	8.19996	0.1724786	0.21685725	2.7438061	21	3 2.9	21.4
495557 2014 WN_{238}	16.6	X	315.08366	347.48297	184.37500	9.06941	0.1505714	0.17182030	3.2044468	21	—	—
495558 2014 WO_{241}	16.2	X	34.23762	339.37376	140.81191	12.82248	0.0378129	0.18238910	3.0794286	21	1 25.0	20.5
495559 2014 WS_{260}	16.5	X	41.82780	9.13407	85.58904	13.72464	0.0690820	0.17788742	3.1311645	21	1 6.6	20.5
495560 2014 WO_{281}	16.1	X	79.82501	285.63972	112.09789	8.02347	0.1231555	0.17210767	3.2008788	21	—	—
495561 2014 WG_{298}	16.5	X	116.28763	270.26308	133.24617	11.21259	0.1194109	0.19092980	2.9868969	21	2 16.4	20.6
495562 2014 WF_{313}	16.7	X	189.77970	125.87031	247.54643	6.66338	0.0785112	0.20956024	2.8071360	21	3 20.9	21.0
495563 2014 WG_{325}	16.2	X	110.94436	272.06075	104.18556	12.63283	0.1259284	0.18413304	3.0599541	21	1 9.5	20.3
495564 2014 WW_{328}	16.5	X	85.46394	316.51660	109.64276	11.13723	0.0966574	0.18885481	3.0087356	21	2 2.5	20.5
495565 2014 WC_{341}	16.1	X	73.92417	340.64715	93.03250	17.23344	0.1008108	0.18583545	3.0412375	21	1 28.7	20.1
495566 2014 WH_{345}	17.4	X	259.89012	254.34516	94.41253	14.75290	0.1915298	0.23705716	2.5856357	21	5 1.1	21.6
495567 2014 WK_{397}	16.0	X	25.79692	10.13275	65.16685	28.97649	0.1688647	0.17099390	3.2147631	21	—	—
495568 2014 WF_{399}	15.4	X	161.82861	254.65370	102.67566	11.75006	0.1053596	0.17805299	3.1292231	21	2 12.0	20.3
495569 2014 WQ_{415}	16.2	X	106.76145	228.48966	195.31462	11.44896	0.0462767	0.19001050	2.9965232	21	2 15.7	20.5
495570 2014 WJ_{416}	16.1	X	306.95156	190.98875	119.38043	12.54987	0.1818966	0.23336413	2.6128430	21	5 7.8	19.6
495571 2014 WV_{416}	15.8	X	208.40191	156.89225	143.89567	10.44118	0.0320635	0.18096728	3.0955371	21	1 18.6	20.3
495572 2014 WQ_{417}	17.1	X	237.13598	220.68381	136.56170	7.38062	0.1432116	0.22242724	2.6978061	21	4 21.0	21.4
495573 2014 WU_{476}	15.9	X	266.76631	134.16742	106.55546	11.01394	0.0629138	0.17867783	3.1219236	21	1 10.9	20.5
495574 2014 WC_{492}	17.0	X	229.15254	312.03089	56.65562	14.18649	0.2729672	0.22250529	2.6971752	21	4 21.7	21.8
495575 2014 WJ_{494}	15.9	X	140.58408	239.60158	164.09126	9.92079	0.1603538	0.18267585	3.0762052	21	3 20.5	20.6
495576 2014 WW_{501}	15.5	X	97.43809	282.41385	108.49812	12.62724	0.0990792	0.18015812	3.1047989	21	1 7.4	19.5
495577 2014 WY_{505}	16.1	X	94.75433	326.13538	93.32615	16.92909	0.1896920	0.18434615	3.0575953	21	2 25.5	20.5
495578 2014 XD_{19}	17.3	X	348.21992	322.62461	51.75133	9.05118	0.2459481	0.27857740	2.3218748	21	11 20.4	18.8
495579 2014 XA_{23}	16.1	X	80.77425	326.34952	87.28891	7.60089	0.1654861	0.17684177	3.1434953	21	1 23.4	20.1
495580 2014 YU_{7}	16.2	X	177.45440	304.12478	87.01256	11.03956	0.0471529	0.19124379	2.9836267	21	4 8.1	20.7
495581 2014 YU_{11}	16.0	X	117.07947	338.95249	77.88757	13.09733	0.1051807	0.19178972	2.9779621	21	3 9.3	20.5
495582 2014 YS_{44}	16.1	X	114.25175	316.99113	98.24579	11.59721	0.0980540	0.18923653	3.0046881	21	3 1.0	20.5
495583 2014 YV_{45}	16.0	X	83.65253	307.46902	108.68896	11.15033	0.2123469	0.17631824	3.1497147	21	2 7.1	20.0
495584 2015 AW	17.1	X	219.97444	277.53602	119.32482	13.62964	0.2828016	0.23556443	2.5965473	21	5 18.4	21.9
495585 2015 AW_{1}	16.8	X	288.90531	166.00801	143.61212	17.16737	0.1846506	0.22829535	2.6513761	21	4 13.5	20.8
495586 2015 AR_{12}	15.7	X	3.24386	234.23056	355.29541	13.47717	0.0610106	0.19669402	2.9282531	21	4 23.1	19.7
495587 2015 AQ_{23}	16.2	X	104.18570	294.08778	132.39539	13.77324	0.0164768	0.18849804	3.0125308	21	2 15.9	20.3
495588 2015 AG_{25}	15.9	X	252.50097	116.50754	147.27439	21.13057	0.0207345	0.18253393	3.0777995	21	1 24.7	20.5
495589 2015 AR_{32}	16.1	X	286.44968	164.07944	117.63398	12.88946	0.0095101	0.19180978	2.9777544	21	4 4.1	20.5
495590 2015 AK_{68}	16.1	X	145.03934	282.59057	109.76719	12.21766	0.1322757	0.18633127	3.0358401	21	3 11.9	20.9
495591 2015 AZ_{77}	17.6	X	250.88369	346.28822	130.23811	6.98149	0.0709388	0.25878600	2.4387963	21	10 23.9	20.7
495592 2015 AY_{181}	16.7	X	269.67229	301.28031	336.29301	6.31239	0.0388801	0.17682944	3.1436414	21	3 1.4	21.2
495593 2015 AS_{193}	16.5	X	54.46526	351.72618	133.59429	6.19892	0.1406935	0.17541715	3.1604918	21	3 12.3	20.3
495594 2015 AX_{223}	16.3	X	12.31092	16.42418	265.24001	12.59896	0.2149495	0.21521338	2.7577604	21	7 29.4	19.0
495595 2015 AS_{237}	17.2	X	112.10574	309.99813	260.81547	12.03642	0.2141050	0.22404579	2.6847974	21	9 12.7	21.9
495596 2015 AV_{238}	16.6	X	132.02228	324.37690	103.51665	5.70153	0.2260410	0.18755325	3.0226393	21	4 17.5	21.5
495597 2015 AB_{242}	15.9	X	145.77496	352.19903	76.70552	10.74507	0.1057017	0.18670506	3.0317868	21	4 22.9	20.6
495598 2015 AW_{256}	15.4	X	322.76113	260.32258	308.63328	8.23740	0.0427469	0.17448790	3.1717030	21	2 10.0	19.8
495599 2015 AK_{264}	15.7	X	316.49170	144.66461	60.78385	16.16243	0.0460875	0.15476306	3.4357733	21	2 7.6	20.8
495600 2015 AC_{274}	16.6	X	14.42554	354.99020	325.91150	13.59828	0.1743247	0.24385941	2.5373266	21	9 28.3	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495601 2015 AV_{277}	16.1	X	131.61608	128.07674	297.29352	17.26880	0.0557651	0.18213428	3.0823000	21	3 15.1	20.9
495602 2015 AP_{278}	16.1	X	145.31777	215.10048	164.80328	8.83079	0.1074173	0.16889584	3.2413312	21	2 20.2	21.0
495603 2015 AM_{281}	4.8	X	337.05186	158.26946	21.97500	26.75628	0.2455056	0.00242584	54.8564222	21	2 22.9	21.2
495604 2015 BW_{21}	15.8	X	46.76429	236.43421	286.68329	7.72337	0.0752860	0.17988304	3.1079635	21	4 4.8	20.1
495605 2015 BP_{146}	17.9	X	166.78035	176.75207	110.98723	6.72774	0.1675293	0.28522197	2.2856728	21	—	—
495606 2015 BL_{218}	16.4	X	141.45980	289.63453	84.32960	17.48566	0.1017414	0.17633986	3.1494573	21	2 12.9	21.3
495607 2015 BT_{239}	16.0	X	158.02095	139.68564	225.26119	9.43701	0.1234776	0.17841041	3.1250424	21	2 12.6	21.1
495608 2015 BX_{500}	15.9	X	72.64382	177.81300	312.12060	6.45416	0.0278118	0.17953945	3.1119274	21	3 25.2	20.3
495609 2015 DG_{11}	18.0	X	298.09434	4.69781	321.54457	18.75117	0.0695066	0.36445049	1.9410811	21	5 13.1	20.5
495610 2015 DS_{108}	15.6	X	246.37454	247.58024	63.27452	13.15257	0.1330416	0.17821470	3.1273300	21	3 13.9	20.7
495611 2015 DY_{154}	17.3	X	305.37374	354.84013	141.65059	6.16472	0.1563589	0.27577045	2.3376037	21	—	—
495612 2015 ET_{1}	18.2	X	198.14069	163.18261	161.65326	6.17468	0.0769154	0.31015640	2.1614684	21	1 13.9	21.1
495613 2015 FG_{345}	5.2	X	299.84054	225.06723	58.65673	36.04643	0.1291501	0.00361047	42.0817630	21	4 30.5	21.3
495614 2015 HB_{175}	16.7	X	43.95147	47.72642	188.26619	0.77916	0.0868504	0.18780991	3.0198848	21	7 10.9	20.6
495615 2015 PQ_{291}	17.7	X	202.07351	199.00421	234.39966	34.60141	0.2374171	1.01202069	0.9825239	21	5 16.1	14.7
495616 2015 RA_{19}	17.9	X	233.42660	30.76802	354.14564	1.98899	0.2046319	0.28839056	2.2689000	21	5 10.9	21.4
495617 2015 RS_{77}	17.4	X	315.88728	144.09260	309.12614	4.06684	0.2713546	0.18100425	3.0951156	21	11 21.4	20.4
495618 2015 SN_{2}	18.7	X	341.19373	266.16260	208.47181	21.20329	0.0730659	0.38415757	1.8741159	21	—	—
495619 2015 TB_{8}	18.5	X	81.28204	156.80189	198.27564	21.47977	0.0761011	0.38230942	1.8801510	21	—	—
495620 2015 TH_{137}	16.9	X	308.76572	64.58498	75.69744	16.69832	0.2720294	0.17989253	3.1078542	21	—	—
495621 2015 TK_{157}	17.9	X	204.14612	359.19523	18.57360	7.10723	0.1190209	0.27109887	2.3643816	21	4 7.9	21.2
495622 2015 TG_{189}	18.1	X	32.96974	191.47915	205.89632	21.99323	0.0562235	0.37357695	1.9093374	21	—	—
495623 2015 TD_{233}	17.7	X	242.82977	152.88724	204.69669	2.39907	0.1548506	0.27746595	2.3280712	21	4 19.0	21.0
495624 2015 TK_{239}	18.4	X	117.90988	100.79309	213.22918	19.62784	0.0689409	0.37591924	1.9013979	21	—	—
495625 2015 TC_{243}	17.7	X	136.21306	289.31037	72.68373	3.29029	0.2166768	0.23046905	2.6346786	21	1 24.6	21.6
495626 2015 TW_{255}	16.7	X	117.84279	128.09943	316.63140	12.53658	0.2308315	0.24180408	2.5516844	21	4 11.3	20.7
495627 2015 TS_{336}	18.4	X	300.66819	306.44073	65.59191	1.80130	0.1382740	0.31136566	2.1558684	21	7 30.6	20.2
495628 2015 UH_{7}	18.4	X	97.04149	146.36500	189.97246	21.49757	0.0809442	0.36889928	1.9254438	21	—	—
495629 2015 VF_{36}	18.2	X	161.08228	48.72009	39.63856	3.12843	0.1893504	0.26725341	2.3870080	21	5 29.4	21.9
495630 2015 VW_{57}	18.3	X	149.01474	320.16985	165.75929	4.71215	0.0970367	0.28458824	2.2890648	21	6 30.8	21.5
495631 2015 VF_{125}	17.7	X	124.86241	230.28703	69.01326	21.84286	0.0636476	0.36831426	1.9274821	21	—	—
495632 2015 WE_{7}	17.0	X	57.84871	148.59582	22.36403	6.60417	0.1857053	0.24376332	2.5379933	21	5 13.5	19.7
495633 2015 XD_{86}	17.1	X	110.64704	56.92461	65.84345	11.23442	0.1389424	0.23911581	2.5707737	21	5 18.8	20.5
495634 2015 XE_{107}	16.7	X	298.51551	55.71369	98.11804	15.15304	0.2401704	0.17534185	3.1613967	21	—	—
495635 2015 XH_{132}	17.0	X	6.33763	292.53511	250.42380	11.77068	0.2135587	0.22430268	2.6827472	21	2 6.5	19.8
495636 2015 XH_{141}	16.9	X	3.01030	169.05830	78.36271	13.77712	0.1661110	0.26490182	2.4011138	21	5 15.9	19.0
495637 2015 XA_{168}	16.5	X	78.06292	241.78780	218.68523	14.26252	0.1157730	0.20643339	2.8354115	21	2 28.5	20.4
495638 2015 XY_{171}	16.8	X	74.93771	42.69590	75.97253	22.91895	0.0482647	0.23318928	2.6141490	21	3 26.5	20.7
495639 2015 XU_{198}	16.9	X	74.05711	232.66605	253.37240	6.22588	0.1511566	0.23085554	2.6317372	21	4 1.1	20.1
495640 2015 XV_{210}	18.6	X	65.47163	3.52896	279.71673	1.92049	0.0291158	0.31330709	2.1469532	21	10 17.5	20.9
495641 2015 XV_{224}	17.1	X	77.60198	30.71577	80.82455	18.26963	0.2482847	0.22625260	2.6673111	21	4 16.9	20.7
495642 2015 XL_{237}	17.8	X	98.61685	181.27581	307.39427	0.68608	0.1516793	0.24507158	2.5289530	21	5 11.9	21.1
495643 2015 XS_{315}	17.8	X	57.37005	193.71071	336.47890	1.44232	0.0698410	0.24562276	2.5251682	21	4 25.6	20.9
495644 2015 XR_{333}	17.2	X	46.33642	86.59571	83.29546	13.48571	0.1263184	0.23615989	2.5921808	21	4 21.9	20.2
495645 2015 YL_{19}	16.5	X	135.74732	70.79616	9.73339	15.06797	0.0858329	0.24464429	2.5318968	21	4 12.3	20.1
495646 2016 AJ_{6}	17.6	X	170.86557	353.43516	84.22037	7.84485	0.1112978	0.25309192	2.4752393	21	5 23.6	21.3
495647 2016 AG_{12}	16.1	X	41.35414	355.66898	124.25844	18.65065	0.0866198	0.20286854	2.8685312	21	2 1.3	19.6
495648 2016 AS_{23}	16.4	X	330.55056	301.73501	267.24354	4.40262	0.0123454	0.21165582	2.7885766	21	2 16.2	20.1
495649 2016 AV_{44}	16.3	X	139.19199	312.04641	108.27696	22.88313	0.0439419	0.22653314	2.6651084	21	3 31.7	20.5
495650 2016 AV_{51}	17.9	X	246.88399	289.83860	110.09143	7.22139	0.1424274	0.27468594	2.3437526	21	6 21.3	21.2
495651 2016 AE_{55}	16.8	X	297.90236	291.17038	272.49907	4.55816	0.0987131	0.18753974	3.0227844	21	—	—
495652 2016 AP_{56}	16.1	X	0.37085	269.55262	276.42736	7.60172	0.0975351	0.21108202	2.7936278	21	2 17.5	19.6
495653 2016 AH_{67}	16.9	X	336.06740	197.48212	355.08025	1.22331	0.1113534	0.20113057	2.8850321	21	1 25.2	20.7
495654 2016 AM_{70}	17.2	X	145.97670	259.35378	186.12158	2.08100	0.1188876	0.24503773	2.5291858	21	5 7.3	20.7
495655 2016 AG_{72}	17.0	X	319.62502	30.22298	116.24783	10.46379	0.1804275	0.17557396	3.1586098	21	—	—
495656 2016 AX_{76}	17.4	X	18.30728	164.80648	120.39410	25.08221	0.1770745	0.27169035	2.3609488	21	8 27.2	19.8
495657 2016 AZ_{77}	15.5	X	326.87586	223.63141	274.33098	11.44966	0.0422558	0.17021139	3.2246083	21	—	—
495658 2016 AK_{100}	16.9	X	26.71202	31.41720	87.88230	3.98027	0.0297573	0.18877556	3.0095775	21	1 13.6	21.0
495659 2016 AO_{100}	16.9	X	135.70834	327.13961	107.26755	14.98312	0.2296165	0.23190567	2.6237864	21	4 30.1	21.4
495660 2016 AO_{102}	15.8	X	29.98559	106.09314	330.18739	14.80947	0.0446396	0.17150608	3.2083596	21	—	—
495661 2016 AQ_{103}	17.0	X	307.06825	193.07284	58.34418	5.70645	0.0234060	0.21346888	2.7727646	21	3 14.9	20.8
495662 2016 AY_{107}	16.7	X	68.99237	8.18695	92.62528	7.16276	0.0203430	0.19954957	2.9002506	21	2 13.7	20.7
495663 2016 AL_{114}	17.2	X	218.66730	268.81943	81.60371	7.46268	0.0342391	0.22069927	2.7118695	21	3 30.7	21.1
495664 2016 AE_{116}	17.1	X	338.77348	87.08650	137.32825	5.45768	0.0052676	0.21355422	2.7720259	21	3 22.7	20.8
495665 2016 AV_{116}	16.7	X	11.05849	192.66773	302.35399	4.64708	0.1001336	0.18475691	3.0530618	21	1 9.2	20.4
495666 2016 AG_{122}	15.8	X	13.64556	320.12951	144.30202	13.97119	0.1025062	0.17173095	3.2055582	21	—	—
495667 2016 AN_{125}	16.8	X	197.66874	44.40222	334.51438	5.34620	0.0297186	0.22084158	2.7107043	21	4 4.8	20.7
495668 2016 AV_{141}	16.0	X	223.27040	46.46707	260.73100	10.94480	0.0468686	0.20097702	2.8865015	21	2 4.6	20.5
495669 2016 AJ_{147}	17.1	X	77.19491	245.72835	197.11744	12.30573	0.0284286	0.19884203	2.9071264	21	1 28.6	21.3
495670 2016 AV_{148}	16.1	X	269.59471	47.47373	245.86215	9.67139	0.0223562	0.21903030	2.7256280	21	3 12.6	20.1
495671 2016 AG_{155}	17.1	X	133.99790	274.27227	172.57327	14.29471	0.1000653	0.23064044	2.6333732	21	4 27.3	21.0
495672 2016 AT_{157}	16.4	X	317.45329	27.86362	159.33197	24.18781	0.1444619	0.18159051	3.0884502	21	—	—
495673 2016 AN_{168}	16.8	X	133.50596	183.32363	264.49977	11.64154	0.1195161	0.23362856	2.6108711	21	4 23.4	20.8
495674 2016 AT_{168}	16.4	X	314.95379	334.46387	202.86747	7.40155	0.1032626	0.18009139	3.1055659	21	—	—
495675 2016 AB_{172}	16.6	X	188.04290	294.98508	133.59957	14.62617	0.2141364	0.25920166	2.4361883	21	6 1.4	21.0
495676 2016 AG_{181}	16.6	X	341.66976	354.17328	283.38734	11.97453	0.1594894	0.22785845	2.6547643	21	5 16.6	19.5
495677 2016 AW_{189}	16.3	X	2.34768	0.07499	122.90204	10.96830	0.2145410	0.18286048	3.0741341	21	—	—
495678 2016 BK_{2}	17.2	X	141.23422	286.93276	146.23179	6.50664	0.0383082	0.22093124	2.7099710	21	4 11.2	21.0
495679 2016 BC_{16}	17.5	X	145.96094	30.04464	40.26557	11.56321	0.1892936	0.23765953	2.5812648	21	4 24.7	21.6
495680 2016 BG_{32}	16.6	X	10.65092	139.30864	359.53641	10.65366	0.0834146	0.18758889	3.0222564	21	1 16.3	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495681 2016 BF_{33}	16.8	X	227.22301	26.36171	304.53121	4.74214	0.0196100	0.21273301	2.7791552	21	3 11.8	20.7
495682 2016 BR_{34}	16.6	X	166.04782	267.81961	112.81154	13.87285	0.0916660	0.21411800	2.7671578	21	3 13.1	20.9
495683 2016 BN_{38}	16.3	X	242.84936	135.91873	105.13847	10.93863	0.0468479	0.17402819	3.1772861	21	—	—
495684 2016 BS_{45}	17.1	X	229.11342	226.52244	128.29369	6.67038	0.0275780	0.22816487	2.6523868	21	4 16.8	20.8
495685 2016 BM_{54}	17.4	X	305.49575	164.01551	140.79903	15.30735	0.0888599	0.24048435	2.5610114	21	5 12.6	21.0
495686 2016 BY_{57}	17.7	X	192.38860	335.94405	72.30774	5.89351	0.0147765	0.23623832	2.5916070	21	5 8.6	21.1
495687 2016 BO_{60}	17.4	X	106.40426	313.39819	114.65711	3.18636	0.0450673	0.20166953	2.8798897	21	2 22.2	21.3
495688 2016 BH_{68}	16.3	X	278.20695	107.48287	120.17802	13.15767	0.1034594	0.18277540	3.0750881	21	1 2.8	21.0
495689 2016 BA_{69}	17.2	X	313.06698	205.84614	63.76792	3.63980	0.0589087	0.22459792	2.6803956	21	4 7.5	20.6
495690 2016 CL	17.1	X	182.13607	99.11396	277.89925	4.78260	0.0658689	0.21893386	2.7264283	21	3 16.1	21.3
495691 2016 CH_{1}	15.7	X	43.57079	148.85949	298.76612	15.17661	0.1081312	0.18466694	3.0540533	21	—	—
495692 2016 CU_{1}	17.3	X	327.00900	111.12809	145.76083	12.41197	0.1207400	0.22158781	2.7046151	21	4 4.4	20.8
495693 2016 CX_{8}	16.6	X	356.30584	2.20209	146.18999	3.15584	0.0753297	0.18495556	3.0508753	21	1 6.0	20.4
495694 2016 CE_{10}	16.4	X	210.79319	136.38896	152.00760	10.03486	0.1049787	0.17894668	3.1187958	21	1 7.4	21.4
495695 2016 CF_{10}	17.7	X	289.99684	98.97801	256.54277	3.49611	0.0606747	0.25853783	2.4403568	21	6 28.9	20.6
495696 2016 CH_{11}	17.1	X	89.58368	150.95307	313.55820	3.36107	0.0228279	0.21104843	2.7939243	21	3 11.9	20.9
495697 2016 CN_{11}	16.7	X	340.56279	207.34770	305.17112	4.02913	0.1237341	0.17721393	3.1390928	21	—	—
495698 2016 CG_{12}	16.5	X	263.41884	4.16425	314.96642	12.39241	0.1738316	0.22365920	2.6878903	21	3 19.2	20.8
495699 2016 CH_{13}	16.3	X	15.41977	331.27614	149.73121	13.06759	0.1164975	0.18198991	3.0839300	21	—	—
495700 2016 CJ_{19}	16.5	X	253.32507	24.00837	282.19095	10.95844	0.1677363	0.21658688	2.7460890	21	2 23.9	21.1
495701 2016 CZ_{21}	16.0	X	80.58860	97.34721	302.52495	15.14135	0.0861433	0.18019283	3.1044002	21	—	—
495702 2016 CP_{36}	17.4	X	259.92598	261.49254	96.61874	1.18243	0.0119227	0.24535851	2.5269809	21	5 29.3	20.5
495703 2016 CN_{37}	17.2	X	100.90895	19.15641	74.07867	4.57031	0.0360923	0.21371430	2.7706415	21	3 17.5	20.9
495704 2016 CZ_{46}	17.4	X	195.07275	271.85268	101.48735	4.48949	0.0524583	0.22182073	2.7027215	21	3 30.3	21.3
495705 2016 CQ_{49}	16.2	X	282.04849	131.38952	108.09456	12.01562	0.1534822	0.18296414	3.0729729	21	1 15.2	21.0
495706 2016 CL_{52}	17.0	X	147.74074	322.30141	79.75986	3.60861	0.0901720	0.21149959	2.7899497	21	3 16.7	21.1
495707 2016 CT_{61}	16.6	X	136.80110	350.49162	79.09802	6.22912	0.1100666	0.21839115	2.7309433	21	4 10.4	20.6
495708 2016 CJ_{63}	15.8	X	219.90997	155.13604	131.44044	18.94288	0.1806707	0.17024751	3.2241522	21	1 14.3	21.3
495709 2016 CL_{70}	15.4	X	355.83968	22.98749	120.86966	28.17550	0.1267888	0.17970311	3.1100378	21	—	—
495710 2016 CD_{77}	17.6	X	269.62335	265.88751	124.73433	7.77073	0.1054357	0.26798670	2.3826517	21	7 12.5	20.6
495711 2016 CL_{80}	15.1	X	230.41683	150.46135	17.78053	8.71313	0.1824919	0.12504487	3.9605801	21	10 28.4	21.2
495712 2016 CY_{83}	15.7	X	234.60031	185.35200	115.16370	15.12620	0.1118688	0.19277340	2.9678229	21	2 12.9	20.4
495713 2016 CG_{92}	15.7	X	63.35043	50.49072	353.91426	13.38342	0.0922144	0.16805694	3.2521089	21	—	—
495714 2016 CN_{102}	16.5	X	21.28765	301.90813	198.90835	10.11162	0.0578997	0.19315234	2.9639400	21	1 28.3	20.5
495715 2016 CB_{106}	16.6	X	261.25997	30.60826	253.34864	7.30077	0.1250630	0.20048136	2.8912572	21	2 12.5	21.2
495716 2016 CO_{110}	17.0	X	9.38011	6.71805	232.48948	5.48061	0.1498269	0.22728205	2.6592507	21	5 18.3	19.4
495717 2016 CC_{120}	17.1	X	187.83818	196.14029	185.88398	5.91946	0.0441945	0.21739638	2.7392679	21	3 31.0	20.9
495718 2016 CT_{133}	17.8	X	54.47538	281.65020	20.72941	7.09737	0.1199487	0.29109711	2.2548143	21	11 8.7	20.6
495719 2016 CM_{138}	16.2	X	355.67348	47.46046	92.60235	19.00155	0.1716659	0.18139984	3.0906142	21	—	—
495720 2016 CL_{142}	16.5	X	309.80618	63.61650	151.45650	9.66127	0.0598056	0.19042212	2.9922035	21	1 27.1	20.6
495721 2016 CP_{194}	17.3	X	127.84881	83.38750	260.79620	17.05417	0.1107202	0.35820925	1.9635630	21	—	—
495722 2016 CO_{200}	16.9	X	95.65046	316.56999	139.02851	4.37162	0.0669996	0.20837877	2.8177367	21	3 17.7	20.6
495723 2016 CF_{201}	17.1	X	251.31083	345.73947	339.80532	5.85286	0.0961804	0.21781072	2.7357929	21	3 26.7	21.3
495724 2016 CL_{205}	17.3	X	275.32916	136.24810	152.97016	4.81531	0.0327991	0.21051092	2.7986782	21	3 19.9	21.1
495725 2016 CN_{205}	16.4	X	95.20427	90.34890	324.98466	8.11635	0.0481135	0.18688082	3.0298856	21	1 26.8	20.4
495726 2016 CW_{206}	16.4	X	89.32513	253.99543	158.23310	9.59658	0.0668898	0.18239193	3.0793967	21	1 16.9	20.6
495727 2016 CH_{208}	16.1	X	274.11762	93.12629	146.75642	18.29962	0.1041803	0.17788342	3.1312115	21	1 13.1	21.0
495728 2016 CS_{226}	17.3	X	288.81766	266.25930	54.97429	8.68266	0.1136893	0.23621875	2.5917502	21	5 3.5	20.8
495729 2016 CB_{249}	16.8	X	108.63823	38.77152	50.29695	13.88881	0.2316242	0.22248305	2.6973549	21	4 18.9	20.7
495730 2016 CO_{263}	16.4	X	17.54036	296.91645	169.74789	11.54942	0.1042414	0.17734131	3.1375894	21	—	—
495731 2016 DB_{3}	16.2	X	118.81042	268.71655	177.38058	14.48455	0.1211454	0.21812555	2.7331598	21	4 11.1	20.1
495732 2016 DD_{4}	16.8	X	124.04629	303.64077	155.30205	14.30574	0.0867940	0.22539571	2.6740670	21	5 1.3	20.8
495733 2016 DQ_{13}	16.9	X	220.93464	138.13976	199.79666	5.24226	0.0595629	0.21022055	2.8012547	21	3 12.7	21.1
495734 2016 DX_{14}	16.9	X	329.86646	193.20187	93.90752	3.53489	0.1783200	0.22547001	2.6734795	21	5 9.3	19.7
495735 2016 DG_{19}	15.9	X	51.48484	277.47446	167.64725	24.94814	0.1034697	0.17639547	3.1487953	21	1 10.0	20.3
495736 2016 DK_{26}	15.8	X	81.93262	273.88931	134.22750	14.63141	0.1061894	0.17050594	3.2208936	21	1 10.7	20.1
495737 2016 EM	16.0	X	55.93108	5.93407	143.38406	33.84603	0.1547850	0.22987320	2.6392295	21	4 16.3	19.8
495738 2016 EH_{47}	15.8	X	219.64409	194.78673	120.35417	20.80368	0.1339666	0.17867592	3.1219458	21	2 17.4	20.9
495739 2016 EW_{63}	16.4	X	324.84413	59.74608	251.10747	11.78642	0.0393583	0.23312626	2.6146201	21	6 20.5	19.7
495740 2016 EV_{67}	16.6	X	227.77334	290.66325	358.17558	9.38033	0.0814981	0.18120380	3.0928428	21	1 27.5	21.4
495741 2016 EW_{75}	17.3	X	138.01647	221.69533	186.56471	1.84192	0.0679948	0.20275748	2.8695786	21	3 9.8	21.3
495742 2016 EE_{76}	16.6	X	173.57716	169.77813	166.93296	10.48947	0.0328391	0.18021720	3.1041204	21	1 21.8	21.2
495743 2016 EJ_{77}	16.6	X	31.08283	31.48226	80.31811	2.10364	0.1503801	0.18100653	3.0950895	21	1 11.6	20.1
495744 2016 EO_{81}	15.6	X	116.42466	280.05840	108.72209	10.51063	0.0776021	0.17777668	3.1324647	21	1 26.2	20.0
495745 2016 EF_{83}	15.7	X	42.31340	322.67204	105.85838	13.21444	0.0554508	0.15836310	3.3835042	21	—	—
495746 2016 EL_{89}	17.4	X	281.70557	17.95130	248.72061	1.43975	0.0413893	0.19719684	2.9232732	21	2 26.6	21.4
495747 2016 EN_{89}	17.2	X	240.72089	194.88674	165.93656	12.04955	0.0902309	0.22881712	2.6473440	21	5 3.3	21.2
495748 2016 EE_{93}	16.2	X	189.26202	235.36431	98.72547	10.16497	0.1285721	0.18447487	3.0561729	21	2 11.3	21.1
495749 2016 EO_{105}	16.3	X	133.07843	292.54630	71.43695	9.76195	0.0788681	0.17438663	3.1729308	21	1 17.3	20.9
495750 2016 ET_{109}	15.6	X	185.14435	182.64015	146.04578	29.09086	0.1619669	0.17119406	3.2122568	21	2 1.9	21.0
495751 2016 EA_{173}	16.4	X	58.45976	328.61265	132.58842	12.10859	0.0629167	0.18448255	3.0560880	21	2 4.9	20.5
495752 2016 EB_{187}	16.0	X	258.85320	9.61930	247.69622	12.09559	0.0983915	0.17638230	3.1489521	21	1 16.2	20.9
495753 2016 FY_{43}	17.3	X	4.22890	168.28260	189.27394	13.81443	0.2328527	0.27091644	2.3654429	21	11 27.5	19.7
495754 2016 GZ_{34}	16.4	X	243.66646	107.15443	198.68634	12.72310	0.2678693	0.17102115	3.2144215	21	2 16.3	22.1
495755 2016 GA_{210}	16.3	X	257.65158	271.84842	18.53090	5.49675	0.1158811	0.17697352	3.1419349	21	2 25.5	21.0
495756 2016 GE_{243}	15.9	X	117.14458	208.25162	209.06005	26.86352	0.1595221	0.18075182	3.0979965	21	3 7.0	20.8
495757 2017 AB	18.1	X	91.34391	40.57357	86.91650	4.86478	0.1332790	0.28493917	2.2871849	21	4 25.7	20.7
495758 2017 BQ_{13}	16.1	X	263.38104	98.13275	135.48722	25.26497	0.3368025	0.17533083	3.1615291	21	—	—
495759 Jandesselberger	16.3	X	219.63287	181.74996	97.07846	13.22812	0.1293381	0.23003398	2.6379995	21	—	—
495760 2017 CL_{12}	17.1	X	48.56308	319.29365	303.35907	5.45656	0.2753510	0.28979242	2.2615770	21	9 28.9	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495761 2017 CT_{12}	17.7	X	86.47467	279.07028	244.18119	4.36945	0.1690529	0.26951320	2.3736464	21	6 14.9	20.7
495762 2017 DQ_{49}	17.5	X	119.83045	343.65519	133.13269	12.44651	0.1512544	0.27686974	2.3314121	21	5 24.5	20.9
495763 2017 DZ_{70}	17.9	X	29.29739	6.26967	212.47390	1.68831	0.1768899	0.26866508	2.3786392	21	5 27.5	19.5
495764 2017 DN_{91}	15.8	X	280.10308	203.46277	21.65069	15.04689	0.1775893	0.20227034	2.8741841	21	—	—
495765 2017 DY_{115}	17.2	X	336.21813	109.82929	83.75212	11.88779	0.1123379	0.21845223	2.7304343	21	1 23.8	20.8
495766 2017 EB_{5}	17.3	X	329.82477	26.06721	206.80527	12.45500	0.2353087	0.22956077	2.6416236	21	2 7.8	20.8
495767 2017 ET_{5}	17.4	X	50.85927	84.76321	97.48292	5.64753	0.1405780	0.26473827	2.4021026	21	5 11.9	19.7
495768 2017 EB_{6}	15.6	X	20.65433	62.59268	40.28725	14.95900	0.0612446	0.19441945	2.9510478	21	—	—
495769 2017 EE_{6}	15.9	X	288.72562	166.66641	10.13423	27.73240	0.1175893	0.18198401	3.0839966	21	—	—
495770 2017 EF_{6}	17.1	X	19.60231	181.50025	50.83196	8.01195	0.0874298	0.26988855	2.3714451	21	5 22.5	19.5
495771 2017 EH_{6}	15.5	X	283.96815	137.74213	27.50689	9.74703	0.0433151	0.17450869	3.1714511	21	—	—
495772 2017 EM_{7}	16.1	X	196.70640	214.56660	82.54959	12.45837	0.1127374	0.19004371	2.9961741	21	1 3.0	20.9
495773 2017 EN_{7}	16.7	X	342.34338	89.48941	148.70499	18.09226	0.1381411	0.24058155	2.5603215	21	3 29.1	19.8
495774 2017 EP_{15}	15.9	X	236.46894	118.85353	117.15461	17.04778	0.1929545	0.17632507	3.1496334	21	—	—
495775 2017 EQ_{20}	15.7	X	285.16526	44.98847	110.00899	18.13844	0.1122150	0.17161961	3.2069445	21	—	—
495776 2017 EQ_{21}	16.9	X	332.67985	178.52991	37.82576	9.57568	0.1965268	0.22712252	2.6604958	21	2 5.1	20.3
495777 2017 ES_{21}	15.6	X	187.54979	170.96285	137.29211	11.16873	0.0811308	0.17872385	3.1213877	21	1 7.6	20.4
495778 2017 FK_{4}	15.9	X	307.04496	7.03707	136.29847	28.99440	0.1213975	0.17992190	3.1075159	21	—	—
495779 2017 FW_{6}	17.4	X	68.97396	176.70153	31.57414	4.77215	0.1543681	0.28759358	2.2730898	21	7 24.7	20.0
495780 2017 FA_{9}	17.4	X	84.06026	334.52661	214.88784	6.15371	0.1785018	0.28439162	2.2901197	21	7 19.2	20.3
495781 2017 FG_{10}	16.9	X	352.08223	109.31661	85.96214	14.41103	0.1179413	0.23262058	2.6184078	21	2 18.7	20.2
495782 2017 FX_{22}	17.2	X	304.93414	247.12726	311.60638	4.52428	0.2324275	0.20257633	2.8712891	21	—	—
495783 2017 FK_{40}	17.6	X	66.30040	108.74288	102.98069	3.90579	0.1166102	0.28575216	2.2828447	21	7 17.4	19.9
495784 2017 FT_{42}	16.9	X	328.46427	150.86638	61.50488	9.44562	0.1254415	0.22318065	2.6917312	21	2 5.0	20.5
495785 2017 FK_{43}	16.5	X	260.11450	158.89971	129.09038	11.93794	0.1503618	0.22092999	2.7099811	21	2 15.4	20.6
495786 2017 FV_{43}	15.9	X	193.12341	264.26717	43.31028	15.67507	0.2011171	0.18863889	3.0110310	21	1 17.4	21.2
495787 2017 FN_{44}	16.9	X	299.53790	129.24565	142.26595	14.95334	0.1811097	0.23479773	2.6021967	21	3 3.9	20.5
495788 2017 FM_{48}	17.9	X	36.10715	295.36577	278.55615	4.17749	0.1805569	0.26792709	2.3830051	21	6 4.3	19.9
495789 2017 FM_{51}	16.2	X	285.41784	95.41608	81.44981	10.86738	0.1839070	0.17695957	3.1421001	21	—	—
495790 2017 FB_{52}	17.1	X	336.20801	123.75270	118.28314	9.76721	0.0796676	0.24503454	2.5292078	21	4 1.4	20.3
495791 2017 FG_{52}	16.8	X	1.48772	143.78179	45.47812	14.22644	0.1947239	0.23160299	2.6260719	21	2 20.1	19.8
495792 2017 FJ_{55}	15.6	X	218.58534	199.39292	41.93309	14.76528	0.0263780	0.17798096	3.1300674	21	—	—
495793 2017 FR_{65}	15.4	X	122.14571	258.09949	78.64378	11.77788	0.0550202	0.18064787	3.0991849	21	—	—
495794 2017 FT_{66}	15.9	X	234.14581	189.48492	50.41978	11.59132	0.0339150	0.19028276	2.9936643	21	—	—
495795 2017 FL_{71}	16.1	X	289.78182	163.70289	69.94606	14.44973	0.0494766	0.22087495	2.7104313	21	1 24.4	20.1
495796 2017 FG_{76}	16.7	X	356.37481	7.32135	193.85149	13.92731	0.2076894	0.23045723	2.6347687	21	2 13.5	19.8
495797 2017 FG_{80}	15.8	X	221.28004	124.09575	120.51609	17.11832	0.2023044	0.17362496	3.1822035	21	—	—
495798 2017 FR_{82}	18.4	X	33.17014	140.87139	79.31982	4.27949	0.1807844	0.26455213	2.4032293	21	6 8.7	20.2
495799 2017 FB_{83}	17.5	X	40.43461	140.74725	54.26531	7.30157	0.1178575	0.25742957	2.4473557	21	5 8.3	19.8
495800 2017 FR_{83}	17.2	X	20.14292	145.18019	41.21726	14.27354	0.0641308	0.23826884	2.5768623	21	3 27.9	20.4
495801 2017 FM_{89}	15.8	X	344.71068	120.00024	24.61381	15.75174	0.0932283	0.18503419	3.0500109	21	—	—
495802 2017 FP_{89}	16.9	X	50.57274	331.51314	182.73634	13.08826	0.1816258	0.23839998	2.5759173	21	4 6.9	19.3
495803 2017 FR_{89}	18.0	X	101.69769	79.94001	135.29707	5.12431	0.1129437	0.30007496	2.2096130	21	9 11.5	20.9
495804 2017 FF_{91}	18.6	X	35.12563	203.07960	206.59017	21.72846	0.0683575	0.39655813	1.8348398	21	—	—
495805 2017 FJ_{95}	17.5	X	45.31182	88.56165	69.71671	14.81280	0.1744968	0.24109188	2.5567072	21	4 8.7	20.3
495806 2017 FN_{95}	17.3	X	348.00226	180.91458	126.91413	12.74775	0.2289202	0.27514061	2.3411698	21	7 15.2	18.5
495807 2017 FA_{97}	17.3	X	304.71514	116.57856	163.90032	13.31751	0.2645491	0.22888536	2.6468178	21	3 9.2	20.8
495808 2017 FJ_{97}	17.7	X	23.37245	91.70253	167.06558	5.98627	0.2012055	0.27940634	2.3172802	21	7 23.3	19.5
495809 2017 FQ_{97}	16.0	X	317.03916	153.53891	36.08614	15.71598	0.0794765	0.20292577	2.8679919	21	—	—
495810 2017 FP_{98}	15.9	X	298.70484	100.13365	71.24581	16.82115	0.2158082	0.17695549	3.1421483	21	—	—
495811 2017 FF_{102}	18.2	X	149.81385	235.72252	37.92727	20.71928	0.0571719	0.37711536	1.8973753	21	—	—
495812 2017 FC_{103}	17.0	X	13.01388	164.88201	26.37726	12.63505	0.1383992	0.23653639	2.5894294	21	3 18.7	19.7
495813 2017 FM_{103}	17.8	X	19.47823	202.21387	31.80165	6.58022	0.2215988	0.25825290	2.4421514	21	5 31.8	19.5
495814 2017 FZ_{107}	15.6	X	186.62997	241.82103	48.91025	16.38570	0.0699649	0.18810350	3.0167417	21	—	—
495815 2017 FL_{108}	17.8	X	35.94117	300.91147	358.37222	4.88111	0.0159075	0.30913361	2.1662333	21	9 25.3	20.0
495816 2017 FU_{108}	16.3	X	359.08679	96.47770	71.68295	16.98522	0.0400463	0.21661620	2.7458412	21	2 4.4	20.2
495817 2017 FB_{109}	16.0	X	242.67149	133.82230	117.62128	12.46749	0.1803517	0.17976816	3.1092874	21	—	—
495818 2017 FZ_{111}	15.9	X	314.21891	347.23956	162.21410	7.40938	0.1744814	0.18958814	3.0009719	21	—	—
495819 2017 FN_{112}	17.3	X	22.74873	1.40041	235.66590	2.40202	0.1749884	0.26822932	2.3812147	21	6 11.9	19.1
495820 2017 FQ_{120}	16.9	X	19.23281	1.27875	184.45020	12.78612	0.1238896	0.23369233	2.6103961	21	3 17.8	19.5
495821 2017 FB_{121}	16.4	X	315.74635	54.93170	68.05894	14.30952	0.2588012	0.17465781	3.1696456	21	—	—
495822 2017 FD_{121}	15.9	X	317.38023	100.40580	48.92387	11.70989	0.1201137	0.18062717	3.0994216	21	—	—
495823 2017 FM_{121}	15.7	X	281.66655	135.20195	43.74561	12.81950	0.1008587	0.17485812	3.1672245	21	—	—
495824 2017 FF_{122}	16.5	X	277.98553	80.53675	92.39843	14.79743	0.2409668	0.17751062	3.1355940	21	12 28.6	20.4
495825 2017 FG_{123}	16.2	X	333.49266	129.14848	18.95206	10.09481	0.0431167	0.18061424	3.0995695	21	—	—
495826 2017 FV_{155}	17.9	X	126.19531	101.95699	47.19797	4.15632	0.1103319	0.29297540	2.2451668	21	7 8.1	20.8
495827 2017 HP_{12}	17.0	X	55.94477	181.73502	44.23269	5.76845	0.1824457	0.27446508	2.3450097	21	8 5.1	19.6
495828 1981 EX_{11}	16.3	X	292.93186	213.49692	349.77920	18.67732	0.3084481	0.16697982	3.2660793	21	—	—
495829 1995 LG	18.7	X	195.02986	160.13153	276.44150	43.57437	0.7906023	0.89732336	1.0645598	21	6 10.6	20.9
495830 1999 TB_{183}	17.9	X	285.12555	221.98291	191.52537	9.69483	0.2542378	0.26493641	2.4009049	21	8 9.5	20.9
495831 2000 AW_{93}	18.8	X	165.05059	61.35391	113.12180	27.32127	0.0894617	0.53244151	1.5076069	21	11 14.0	20.8
495832 2000 JV_{60}	17.8	X	272.36282	319.97311	242.45079	8.21353	0.5096738	0.17372546	3.1809761	21	12 15.1	22.2
495833 2000 SB_{8}	18.9	X	19.04348	312.57048	42.67111	8.80992	0.4814530	0.28694451	2.2765163	21	—	—
495834 2000 SN_{51}	17.6	X	250.36501	158.91935	206.28543	9.16362	0.2975512	0.22380079	2.6867565	21	4 28.8	22.1
495835 2000 SH_{347}	16.0	X	261.32338	98.86905	240.43477	22.12498	0.4303203	0.17561658	3.1580988	21	3 24.3	22.1
495836 2001 RA_{51}	16.7	X	161.69504	57.52017	309.08494	10.76816	0.2263455	0.17401318	3.1774687	21	2 25.7	22.1
495837 2001 SB_{349}	16.7	X	263.64617	317.16733	65.99436	10.69550	0.2131403	0.23720019	2.5845962	21	6 9.2	20.5
495838 2001 VH_{96}	16.6	X	242.62415	212.28249	182.98873	12.09764	0.3126423	0.18256126	3.0774923	21	5 30.4	22.1
495839 2001 VK_{114}	16.6	X	255.17210	123.98564	254.64755	12.61867	0.2127138	0.23241081	2.6199832	21	5 25.9	20.8
495840 2001 WE_{27}	16.9	X	300.07756	306.73402	67.76907	18.67609	0.3067679	0.23970801	2.5665379	21	6 28.7	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495841 2001 XD_{15}	16.7	X	248.28017	255.99161	113.22444	17.51676	0.2366214	0.23062646	2.6334796	21	5 12.5	21.3
495842 2001 XE_{105}	15.7	X	218.43567	128.43683	259.69174	15.38934	0.3945090	0.18022573	3.1040225	21	4 28.8	21.8
495843 2001 XV_{124}	16.7	X	187.80691	336.51405	77.42678	12.77444	0.1547816	0.22714297	2.6603361	21	5 13.9	21.1
495844 2002 AD_{183}	17.2	X	201.98341	123.75466	117.52828	24.56603	0.0323385	0.34761837	2.0032458	21	—	—
495845 2002 PP_{123}	17.6	X	343.17666	157.98449	195.30879	5.44398	0.2715554	0.26033048	2.4291409	21	9 23.2	18.5
495846 2002 PW_{138}	17.7	X	313.79030	28.02008	340.99888	14.84989	0.2804499	0.25806801	2.4433177	21	7 28.1	20.0
495847 2002 PA_{180}	18.1	X	30.69904	357.27671	322.24362	3.26481	0.2309944	0.26521565	2.3992193	21	11 12.9	20.8
495848 2002 QD_{7}	18.0	X	353.81458	197.11206	197.93827	11.63197	0.6473082	0.26155463	2.4215556	21	—	—
495849 2002 QP_{61}	16.4	X	186.72096	38.30181	313.42008	10.66049	0.1526175	0.18599580	3.0394893	21	2 25.2	21.3
495850 2002 RK_{223}	15.3	X	147.18712	256.93444	101.33079	4.13427	0.2497551	0.12578460	3.9450369	21	2 15.7	21.6
495851 2002 TL_{68}	17.5	X	25.05794	97.56803	208.29440	20.12924	0.3704368	0.26272013	2.4143885	21	11 11.2	20.2
495852 2002 TF_{166}	18.0	X	358.85226	105.34738	242.86591	8.55234	0.2983911	0.26171965	2.4205375	21	11 6.7	19.6
495853 2002 TC_{303}	16.2	X	231.88844	129.17238	204.95585	22.09155	0.2222507	0.18760968	3.0220331	21	3 11.8	21.6
495854 2003 HA_{3}	16.4	X	172.37354	3.04119	209.73142	11.83690	0.2933157	0.19031396	2.9933371	21	11 4.9	21.8
495855 2003 KK_{8}	16.9	X	11.86528	353.09487	190.23248	11.11261	0.1896557	0.21318923	2.7751889	21	2 27.6	19.7
495856 2003 KM_{11}	19.5	X	44.81583	117.85683	206.90831	6.99143	0.4291206	0.28369608	2.2938613	21	—	—
495857 2003 MT	19.0	X	306.37180	44.42689	258.19182	25.15540	0.5605709	0.21140433	2.7907876	21	2 19.9	24.4
495858 2003 MJ_{4}	18.8	X	34.19463	271.69889	77.48915	5.31009	0.5619321	0.28182428	2.3040069	21	—	—
495859 2003 SA_{181}	15.4	X	72.65424	129.46158	260.99112	4.84756	0.2859768	0.12389201	3.9851119	21	1 12.5	20.4
495860 2003 SW_{187}	16.3	X	195.26303	126.30820	243.79115	7.25680	0.1093701	0.19887098	2.9068443	21	3 24.2	21.0
495861 2003 UR_{65}	18.0	X	26.38061	217.98983	122.87286	6.55744	0.3119521	0.27883847	2.3204253	21	12 22.9	20.8
495862 2003 WV_{130}	16.4	X	146.47273	149.72496	252.10398	9.90621	0.0886307	0.18880718	3.0092415	21	3 10.9	21.1
495863 2003 XV_{4}	17.7	X	345.72248	116.08691	240.91038	9.21182	0.3166041	0.27196702	2.3593474	21	10 15.9	18.6
495864 2004 CU_{7}	17.4	X	95.01450	1.99017	142.19261	14.17855	0.1990854	0.24197910	2.5504539	21	6 7.8	21.2
495865 2004 JC_{54}	17.1	X	4.43824	176.29836	68.35260	15.11836	0.2051010	0.23168440	2.6254567	21	5 15.9	19.4
495866 2004 MU_{2}	16.5	X	268.04794	96.77138	267.97003	7.79338	0.4675101	0.22055524	2.7130500	21	4 25.6	21.7
495867 2004 NZ_{15}	17.2	X	310.90075	53.53889	290.08544	11.05685	0.3429998	0.22803870	2.6533651	21	5 26.4	20.4
495868 2004 PE_{44}	18.4	X	285.48108	88.06000	219.94081	2.37259	0.2419462	0.27889161	2.3201305	21	3 19.3	21.7
495869 2004 PW_{89}	17.0	X	338.19348	18.76058	338.41970	3.84403	0.3112257	0.23107909	2.6300396	21	9 4.6	18.0
495870 2004 RB_{45}	17.5	X	291.40115	333.10151	339.40963	4.29407	0.3109600	0.22029500	2.7151863	21	3 28.4	21.5
495871 2004 RP_{52}	18.5	X	75.03459	158.13928	152.64254	2.34012	0.2916048	0.30180166	2.2011770	21	—	—
495872 2004 RX_{90}	17.4	X	289.87507	98.96027	272.34963	6.24279	0.3261275	0.22605381	2.6688746	21	6 8.7	21.0
495873 2004 RA_{91}	17.0	X	191.81347	160.41346	227.40360	7.34393	0.3001001	0.21197228	2.7858005	21	4 13.7	22.2
495874 2004 RU_{94}	16.7	X	26.16108	166.15449	181.42967	18.61491	0.2902545	0.18006541	3.1058647	21	12 7.4	20.9
495875 2004 RT_{105}	17.0	X	338.67797	80.86899	350.71013	28.73479	0.3375508	0.23691827	2.5866461	21	—	—
495876 2004 RP_{112}	17.5	X	298.84547	196.21498	217.31352	22.52767	0.2486025	0.28852946	2.2681718	21	9 2.1	20.2
495877 2004 RP_{124}	17.4	X	52.54636	122.73360	206.66768	3.05822	0.1829144	0.18225101	3.0809838	21	12 3.0	21.6
495878 2004 RQ_{171}	18.2	X	34.73898	48.24891	308.67189	1.31250	0.1906304	0.29913644	2.2142323	21	—	—
495879 2004 RG_{177}	17.4	X	69.38518	38.45656	269.12820	6.56004	0.2023229	0.29990410	2.2104521	21	12 16.1	20.5
495880 2004 RS_{188}	17.1	X	266.30124	36.64224	317.85869	8.88173	0.3222954	0.21926101	2.7237157	21	4 22.2	21.9
495881 2004 RT_{217}	17.0	X	313.78614	80.29175	259.17110	11.30389	0.2910295	0.22512832	2.6761839	21	6 5.1	19.7
495882 2004 RX_{219}	17.3	X	299.67565	99.21758	266.39485	11.69127	0.3400760	0.22476871	2.6790376	21	6 11.5	20.8
495883 2004 RN_{221}	16.9	X	283.65626	117.60681	269.19466	15.39734	0.2841863	0.22521181	2.6755225	21	6 27.7	20.5
495884 2004 RU_{336}	18.2	X	354.39551	179.96827	200.17526	5.88827	0.2049161	0.29353091	2.2423332	21	12 13.1	20.0
495885 2004 SE_{57}	17.1	X	323.18366	155.65147	168.02240	14.10006	0.2640329	0.22572179	2.6714911	21	6 6.4	20.2
495886 2004 TB_{7}	17.2	X	304.48224	230.92324	124.30278	7.71276	0.3588134	0.22579160	2.6709404	21	6 2.3	20.7
495887 2004 TA_{51}	17.6	X	271.93545	147.67095	230.88960	5.11402	0.3242346	0.22040253	2.7143030	21	5 30.9	21.8
495888 2004 TK_{137}	16.9	X	316.78278	345.23917	46.49793	7.80249	0.2578574	0.22890076	2.6466990	21	9 11.5	19.3
495889 2004 TJ_{183}	17.3	X	276.43133	105.94908	237.02493	3.97507	0.1837032	0.21809039	2.7334535	21	5 6.9	21.1
495890 2004 TM_{276}	16.8	X	297.38505	120.59089	214.80677	11.75293	0.2532572	0.21922676	2.7239994	21	5 13.5	20.5
495891 2004 VS_{60}	18.3	X	85.44112	94.41213	239.21992	20.28406	0.4640277	0.30676688	2.1773608	21	—	—
495892 2004 WA_{5}	17.7	X	316.87109	302.87299	78.89589	5.07504	0.2020977	0.28577319	2.2827327	21	9 11.1	19.3
495893 2004 XT_{9}	18.0	X	76.82720	151.17089	258.76750	4.69602	0.1929937	0.30731215	2.1747845	21	—	—
495894 2004 XU_{93}	16.6	X	121.32824	296.74701	274.34575	20.21295	0.1862526	0.27483845	2.3428854	21	9 17.9	20.8
495895 2005 GQ_{101}	16.2	X	315.45937	232.56674	29.69116	17.10805	0.0397604	0.18372270	3.0645086	21	4 9.7	20.3
495896 2005 LJ_{36}	17.5	X	345.84563	169.95408	166.10443	1.33874	0.2041596	0.25502661	2.4627049	21	8 29.3	19.2
495897 2005 MG_{44}	15.6	X	305.47298	2.78250	244.90683	28.72703	0.2677234	0.17499234	3.1656047	21	1 24.9	20.9
495898 2005 NQ_{21}	17.4	X	281.67400	212.65462	133.36094	13.23843	0.2507825	0.23789819	2.5795382	21	5 11.9	21.4
495899 2005 NO_{45}	17.4	X	301.33974	220.26637	139.05958	2.47500	0.2281612	0.24286698	2.5442341	21	6 23.9	20.4
495900 2005 QW_{27}	16.8	X	296.01184	314.54800	15.87856	11.66193	0.0852311	0.23395961	2.6084076	21	5 26.7	20.3
495901 2005 QO_{99}	18.4	X	273.98617	157.83504	187.36847	4.34936	0.1708037	0.29680069	2.2258340	21	5 4.5	21.4
495902 2005 QD_{108}	17.9	X	311.85002	70.70268	247.51382	1.73217	0.2429913	0.23771489	2.5808640	21	5 9.8	20.8
495903 2005 QO_{133}	17.7	X	344.29713	141.29290	165.70465	7.48176	0.2439826	0.24163120	2.5529014	21	6 30.6	19.7
495904 2005 RX_{25}	17.1	X	273.44435	166.69300	196.58324	6.30830	0.3121436	0.23371319	2.6102407	21	5 14.6	21.3
495905 2005 SU_{87}	17.7	X	182.94905	215.24758	159.60576	2.03271	0.1345579	0.21996037	2.7179393	21	3 19.9	21.9
495906 2005 SG_{154}	17.6	X	312.18634	69.85294	219.15417	2.64641	0.1914040	0.23177232	2.6247927	21	4 8.7	20.8
495907 2005 SU_{191}	17.6	X	131.87111	2.24303	35.07416	4.50153	0.1755356	0.21231619	2.7827913	21	3 3.1	21.7
495908 2005 SP_{256}	18.2	X	333.44665	334.05346	347.12291	4.69706	0.2879796	0.24144911	2.5541848	21	6 18.4	20.2
495909 2005 SV_{292}	18.3	X	350.35197	263.74487	204.72445	21.34036	0.1006099	0.38696300	1.8650469	21	—	—
495910 2005 TA_{118}	17.8	X	331.11258	332.94108	342.48526	1.77673	0.2068938	0.23801415	2.5787003	21	6 17.3	20.1
495911 2005 UG_{183}	17.4	X	17.03819	79.84716	225.89509	12.78986	0.2034740	0.24240994	2.5474310	21	9 16.7	20.1
495912 2005 UY_{201}	17.8	X	305.13928	117.98397	218.12229	10.11398	0.1503131	0.23219534	2.6216038	21	6 10.2	21.1
495913 2005 UF_{218}	17.1	X	195.28081	169.48832	242.92225	8.31800	0.1402175	0.22475498	2.6791467	21	5 16.3	21.2
495914 2005 UE_{224}	17.7	X	343.69681	53.02347	255.12458	3.45660	0.1012261	0.23476460	2.6024415	21	7 12.3	20.6
495915 2005 UW_{225}	16.9	X	83.55856	294.36339	235.80813	8.85700	0.0726394	0.22529092	2.6748962	21	6 6.4	20.3
495916 2005 UO_{286}	16.8	X	296.86578	114.36818	169.45599	4.56155	0.0434057	0.22171225	2.7036030	21	4 6.5	20.3
495917 2005 UT_{390}	16.7	X	297.83281	270.84618	43.37549	13.41307	0.1883797	0.23014210	2.6371733	21	4 25.4	20.3
495918 2005 UY_{484}	17.0	X	267.19487	169.22878	183.98750	11.62118	0.1951624	0.23020664	2.6366804	21	5 10.2	21.0
495919 2005 UD_{529}	17.6	X	255.26862	95.03965	239.61475	4.91927	0.0429742	0.22310001	2.6923798	21	4 17.6	21.3
495920 2005 VX_{15}	17.6	X	237.06643	100.36650	285.49298	10.07429	0.3158623	0.22949140	2.6421559	21	5 9.5	22.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
495921 2005 VV_{73}	18.4	X	70.05762	290.01220	156.67120	2.61678	0.1713242	0.26754044	2.3853005	21	1 23.9	20.5
495922 2005 VN_{111}	17.5	X	151.77776	191.48743	261.81073	7.97334	0.1037231	0.22000022	2.7176110	21	5 23.0	21.6
495923 2005 WM_{145}	18.6	X	140.97606	129.13630	44.10714	3.03218	0.1265988	0.29273708	2.2463852	21	8 30.1	21.8
495924 2005 WQ_{185}	16.6	X	147.82720	190.11627	232.46556	8.87608	0.2541268	0.21521787	2.7577221	21	4 21.2	21.3
495925 2005 YV_{69}	16.9	X	298.42586	85.42456	58.11382	1.87600	0.1064921	0.18477530	3.0528592	21	—	—
495926 2005 YD_{88}	17.5	X	201.65303	101.78024	293.92595	3.74929	0.1699528	0.21598778	2.7511647	21	4 30.4	22.1
495927 2005 YF_{146}	16.8	X	257.04775	258.16516	88.57134	9.17518	0.2090695	0.21844564	2.7304892	21	4 22.9	21.2
495928 2005 YM_{178}	16.3	X	187.11315	120.25382	287.01757	10.48856	0.0432385	0.21177710	2.7875118	21	4 27.9	20.5
495929 2005 YB_{255}	16.9	X	178.79793	88.03763	310.77819	13.35359	0.2406331	0.21462004	2.7628408	21	4 10.7	22.0
495930 2006 AR_{2}	19.8	X	134.53244	287.48139	278.17881	29.96862	0.4177933	0.54285113	1.4882717	21	10 14.0	23.1
495931 2006 DV_{173}	17.4	X	317.20590	93.55710	108.68373	2.21077	0.1722300	0.18879300	3.0093923	21	1 6.1	21.3
495932 2006 DD_{179}	17.7	X	96.67213	42.27068	157.33960	8.99449	0.1729715	0.27808748	2.3246010	21	8 18.4	20.9
495933 2006 HQ_{66}	18.2	X	99.31467	18.89589	209.47998	5.13774	0.1771294	0.27836152	2.3230751	21	9 29.0	21.6
495934 2006 HR_{82}	18.2	X	79.44751	211.98554	49.41011	7.49416	0.1475359	0.27873432	2.3210033	21	10 20.5	21.4
495935 2006 JQ_{11}	16.6	X	270.53439	140.12490	88.31761	10.04756	0.1270701	0.17815525	3.1280256	21	—	—
495936 2006 KT_{74}	16.4	X	321.67367	132.07832	112.98108	10.90315	0.0568969	0.18902561	3.0069228	21	3 26.9	20.6
495937 2006 KB_{102}	16.1	X	151.64822	158.66993	206.09169	15.90619	0.1651626	0.17638033	3.1489755	21	2 9.2	21.3
495938 2006 QW_{82}	17.7	X	10.20126	152.91198	144.19053	11.66263	0.2392207	0.26355224	2.4093038	21	9 2.5	19.3
495939 2006 QH_{90}	16.1	X	233.30144	131.76000	232.20981	11.85459	0.3859414	0.17905686	3.1175163	21	4 10.8	22.0
495940 2006 QH_{186}	18.3	X	356.39066	221.80965	109.98801	3.11830	0.2261783	0.26274348	2.4142454	21	9 24.9	19.8
495941 2006 RQ_{3}	17.5	X	63.39294	60.07065	266.31512	9.53809	0.2835982	0.27623848	2.3349626	21	—	—
495942 2006 RN_{70}	18.5	X	142.67990	129.18914	190.06683	2.92807	0.2387425	0.28817973	2.2700065	21	—	—
495943 2006 RE_{96}	17.8	X	301.32984	38.63730	351.82247	2.64655	0.1737555	0.25781263	2.4449309	21	8 20.6	20.3
495944 2006 SX_{140}	18.3	X	205.72216	243.00849	110.89809	7.75002	0.2400057	0.30319080	2.1944484	21	3 11.2	22.0
495945 2006 SZ_{354}	18.0	X	85.36065	181.15561	157.65673	2.56292	0.2185841	0.27745207	2.3281488	21	—	—
495946 2006 SQ_{407}	16.6	X	242.69680	290.50064	10.94637	13.21282	0.2596941	0.17104499	3.2141228	21	2 18.9	22.2
495947 2006 UD_{38}	17.6	X	191.90754	307.30365	38.61987	12.18409	0.1973376	0.23003591	2.6379848	21	2 27.7	22.2
495948 2006 UM_{151}	18.1	X	187.62960	218.05734	220.17193	13.77238	0.2383569	0.24107209	2.5568471	21	6 10.1	22.7
495949 2006 UP_{284}	18.0	X	320.45619	54.99398	49.11119	7.86115	0.1761542	0.26818311	2.3814882	21	—	—
495950 2006 UV_{334}	17.5	X	354.41741	75.38022	251.56409	5.30870	0.2412213	0.25586256	2.4573380	21	9 4.3	19.1
495951 2006 VJ_{115}	16.2	X	231.70065	130.60983	238.80708	10.06036	0.3137074	0.17572112	3.1568461	21	4 19.7	21.9
495952 2006 WZ_{13}	17.5	X	240.47443	170.03165	230.03288	7.15616	0.2244136	0.24400610	2.5363096	21	6 7.2	21.5
495953 2006 WP_{105}	17.9	X	176.24360	266.30751	164.54134	0.81380	0.1296515	0.23590485	2.5940487	21	5 20.9	21.9
495954 2007 BZ_{72}	17.5	X	87.65293	294.93960	151.21047	12.64517	0.4708554	0.21795592	2.7345777	21	4 25.5	21.7
495955 2007 BY_{101}	16.1	X	61.83667	222.00785	277.88598	10.58666	0.0950358	0.21710907	2.7416841	21	3 22.7	19.7
495956 2007 DF_{22}	16.6	X	12.93803	226.98857	160.80115	9.25294	0.0443334	0.18406704	3.0606854	21	12 5.9	20.9
495957 2007 EW_{91}	16.8	X	347.12184	41.87072	166.02469	13.34947	0.1955167	0.21061619	2.7977456	21	2 15.2	19.9
495958 2007 LV_{12}	16.9	X	285.09987	104.92860	200.38274	14.35857	0.1521068	0.20363827	2.8612982	21	4 4.2	21.1
495959 2007 ML_{6}	18.6	X	57.82744	221.02808	109.73959	11.39480	0.4652012	0.29533078	2.2332135	21	—	—
495960 2007 MT_{20}	18.8	X	184.43888	148.62536	226.35761	16.64083	0.6132464	0.39295647	1.8460342	21	3 20.3	23.0
495961 2007 PB_{47}	17.9	X	43.87439	206.69833	144.16305	7.00553	0.2069619	0.29536247	2.2330537	21	—	—
495962 2007 RS_{6}	17.8	X	317.32294	160.34418	189.51686	6.22216	0.1240768	0.27867740	2.3213193	21	7 24.8	20.3
495963 2007 RX_{43}	18.6	X	332.39448	67.66558	329.51597	6.38385	0.1100015	0.28617502	2.2805953	21	11 8.5	20.8
495964 2007 RT_{44}	18.5	X	21.42012	75.81801	291.11574	3.38344	0.2267398	0.29124832	2.2540338	21	—	—
495965 2007 RW_{132}	16.5	X	136.73267	61.55991	321.23959	8.20016	0.0841850	0.17474644	3.1685738	21	2 11.8	21.2
495966 2007 RC_{143}	18.5	X	113.72239	101.48360	217.96486	2.94246	0.2460997	0.30484491	2.1865030	21	—	—
495967 2007 RH_{213}	18.3	X	297.81003	34.96729	315.88540	0.55137	0.2067132	0.27334974	2.3513842	21	6 8.6	20.9
495968 2007 RP_{234}	18.4	X	358.18108	49.56933	278.53442	0.91144	0.0955321	0.28126354	2.3070682	21	9 11.8	20.7
495969 2007 RB_{273}	16.6	X	195.41229	107.59649	222.63573	4.26046	0.1385245	0.17588437	3.1548924	21	2 9.9	21.7
495970 2007 RY_{284}	16.8	X	221.03817	144.43362	175.41940	6.04781	0.2143902	0.18073065	3.0982384	21	2 18.7	22.1
495971 2007 TK_{9}	18.3	X	310.22027	192.39317	164.68917	2.35520	0.2468776	0.27509276	2.3414413	21	7 2.2	20.5
495972 2007 TY_{11}	16.3	X	230.93341	341.00098	27.70948	8.43859	0.2557647	0.18816985	3.0160325	21	4 21.7	21.5
495973 2007 TC_{13}	18.4	X	38.54238	141.77164	189.49467	2.33907	0.2971356	0.28945740	2.2633217	21	12 24.0	21.4
495974 2007 TH_{40}	16.1	X	250.05210	153.83633	201.81838	12.33148	0.2767116	0.18963492	3.0004784	21	4 20.6	21.1
495975 2007 TH_{60}	16.5	X	149.56391	137.99396	218.58591	8.02418	0.1986993	0.16901615	3.2397928	21	2 3.5	21.9
495976 2007 TE_{65}	17.7	X	125.95105	312.81369	192.27839	4.75905	0.0829842	0.25972490	2.4329153	21	6 28.2	21.0
495977 2007 TJ_{105}	16.2	X	178.65787	38.49842	306.48768	10.46818	0.1368887	0.17586015	3.1551821	21	2 11.9	21.3
495978 2007 TG_{127}	18.4	X	28.52845	290.96986	48.19076	3.79082	0.2624126	0.28686593	2.2769320	21	12 17.2	21.1
495979 2007 TM_{145}	18.1	X	66.16705	2.11509	354.32456	1.89622	0.2112707	0.29668081	2.2264336	21	—	—
495980 2007 TW_{270}	17.9	X	55.23145	65.32934	233.46723	4.70807	0.2464758	0.28592434	2.2819282	21	11 23.2	20.8
495981 2007 TQ_{278}	16.4	X	219.10043	99.59223	218.68105	6.53828	0.1886996	0.17845326	3.1245422	21	2 14.7	21.8
495982 2007 TS_{332}	16.2	X	232.30370	104.29987	226.63798	14.48989	0.2470848	0.18149190	3.0895689	21	3 6.5	21.9
495983 2007 TD_{334}	18.8	X	313.26599	158.84117	236.62913	5.83548	0.1594266	0.27733726	2.3287913	21	9 22.8	21.0
495984 2007 TW_{398}	16.6	X	193.45205	162.04417	234.62206	9.43279	0.1120054	0.18270560	3.0758712	21	4 26.9	21.4
495985 2007 TF_{399}	16.0	X	213.94854	292.03988	32.62021	25.56417	0.1627138	0.17530391	3.1618529	21	3 7.0	21.6
495986 2007 TN_{408}	18.1	X	304.27027	119.66740	228.78959	1.63079	0.2085304	0.27215742	2.3582469	21	6 15.3	20.3
495987 2007 TP_{426}	18.1	X	102.12437	78.36322	239.18641	9.19361	0.2523592	0.29723234	2.2236786	21	—	—
495988 2007 TX_{432}	17.3	X	124.70155	130.57237	203.04752	7.78627	0.2063725	0.23230908	2.6207479	21	—	—
495989 2007 TJ_{450}	17.8	X	359.83454	83.79287	232.45345	7.13099	0.2384733	0.27548101	2.3392409	21	9 3.5	19.3
495990 2007 UY_{4}	18.1	X	359.47673	265.82763	73.15734	2.85736	0.2349550	0.28137017	2.3064853	21	10 20.6	19.6
495991 2007 UY_{7}	17.6	X	316.00020	104.95018	301.60948	4.52497	0.2420767	0.27948196	2.3168622	21	10 9.9	19.1
495992 2007 US_{98}	18.2	X	325.75043	119.76314	240.22482	1.37234	0.2317735	0.27496832	2.3421477	21	8 15.9	19.5
495993 2007 UD_{102}	15.8	X	207.37423	79.12470	237.18975	24.79646	0.1980676	0.16937624	3.2351995	21	1 28.7	21.7
495994 2007 UG_{115}	18.0	X	67.51973	51.49519	37.90548	5.23544	0.1844752	0.23532428	2.5983135	21	2 6.5	20.6
495995 2007 VK_{4}	15.9	X	221.53476	97.86086	266.23116	11.34803	0.1502315	0.18314114	3.0709926	21	4 9.7	21.1
495996 2007 VP_{58}	17.5	X	240.43500	309.38235	241.28321	19.48342	0.0529464	0.36322337	1.9454505	21	—	—
495997 2007 VH_{96}	16.9	X	22.82694	24.88661	50.30561	15.28439	0.4358445	0.22084924	2.7106417	21	—	—
495998 2007 VU_{113}	16.6	X	218.91481	257.86967	118.39038	2.54208	0.2704855	0.18352393	3.0667208	21	4 22.7	22.0
495999 2007 VM_{152}	16.0	X	227.45337	134.07346	245.85427	9.33354	0.2434320	0.18580885	3.0415278	21	5 2.2	21.3
496000 2007 VZ_{156}	17.7	X	95.64129	211.98274	200.26903	4.53577	0.2664124	0.23590115	2.5940759	21	2 12.2	20.8