Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536001 2015 BX_{531}	17.3	X	256.10384	287.76930	168.86413	15.21083	0.0896137	0.23599921	2.5933573	21	9 26.3	20.6
536002 2015 BZ_{531}	17.1	X	105.38483	332.38324	172.14280	2.46599	0.0339656	0.18675570	3.0312387	21	5 28.5	21.3
536003 2015 BB_{532}	17.4	X	174.20339	127.87373	10.59478	3.36061	0.0332239	0.21385604	2.7694171	21	8 15.1	21.2
536004 2015 BO_{532}	17.1	X	190.46615	250.10962	279.65767	10.86474	0.1229780	0.24155360	2.5534481	21	10 4.4	21.2
536005 2015 BZ_{532}	17.2	X	159.75330	133.62097	22.81086	6.16407	0.1044297	0.22356297	2.6886615	21	8 24.4	21.3
536006 2015 BD_{533}	16.9	X	199.33574	4.40176	98.47492	11.87611	0.0966800	0.20471576	2.8512493	21	7 26.3	21.2
536007 2015 BF_{533}	17.7	X	157.67699	24.08578	152.99409	13.78535	0.1715866	0.21642418	2.7474652	21	9 16.9	22.2
536008 2015 BG_{533}	16.6	X	291.34200	46.10460	37.06013	22.46113	0.0743808	0.23399059	2.6081774	21	10 29.5	19.7
536009 2015 BX_{533}	17.4	X	224.94742	279.42711	133.05576	12.48718	0.1026551	0.21970949	2.7200079	21	6 19.0	21.6
536010 2015 BF_{534}	17.0	X	111.98672	198.40940	304.43924	7.35235	0.1554031	0.19918952	2.9037445	21	6 18.7	21.3
536011 2015 BG_{534}	16.1	X	82.91060	263.83625	253.04534	9.25047	0.0706513	0.18521069	3.0480729	21	5 19.9	20.2
536012 2015 BH_{534}	16.2	X	165.14427	87.52225	352.48436	10.01420	0.0737391	0.18996032	2.9970509	21	5 17.6	20.8
536013 2015 BN_{534}	16.8	X	199.09467	21.24523	351.90497	2.72023	0.0823852	0.18703873	3.0281800	21	4 4.2	21.5
536014 2015 BP_{534}	16.4	X	79.96673	257.82819	223.84381	10.49201	0.0514475	0.17978357	3.1091098	21	3 27.8	20.7
536015 2015 BW_{534}	16.9	X	136.85019	55.44285	69.19703	3.14071	0.1263986	0.19346621	2.9607333	21	6 19.1	21.4
536016 2015 BX_{534}	16.4	X	104.93460	113.38894	9.06193	10.05759	0.0745780	0.17465169	3.1697197	21	5 3.0	21.0
536017 2015 BY_{534}	16.7	X	164.70896	219.21994	173.14147	9.20072	0.1384006	0.18856407	3.0118274	21	3 27.5	21.4
536018 2015 BZ_{534}	16.4	X	63.90413	263.31923	243.80715	8.47411	0.0766724	0.18075694	3.0979380	21	4 10.6	20.6
536019 2015 BA_{535}	16.2	X	69.80586	252.13331	250.51900	8.14683	0.1044170	0.18009139	3.1055659	21	4 17.1	20.3
536020 2015 BB_{535}	16.7	X	225.65570	82.06979	316.78586	13.93811	0.1652011	0.20560104	2.8430588	21	5 25.8	21.6
536021 2015 BD_{535}	17.3	X	339.64704	308.99301	25.80806	6.01320	0.0448278	0.22056484	2.7129713	21	8 18.3	20.7
536022 2015 BE_{535}	16.8	X	169.66890	36.61176	28.24998	12.16016	0.0628907	0.18655921	3.0333668	21	5 4.6	21.4
536023 2015 BH_{535}	17.9	X	328.84776	300.65961	50.69635	3.88472	0.0768002	0.23774115	2.5806740	21	8 23.4	20.9
536024 2015 BK_{535}	17.7	X	159.81635	89.04968	85.14310	6.30904	0.0369450	0.23540872	2.5976921	21	9 17.4	21.4
536025 2015 BM_{535}	17.5	X	45.23148	189.87126	102.38763	5.38108	0.0794573	0.23814168	2.5777795	21	10 3.2	20.8
536026 2015 BN_{535}	17.4	X	122.56691	119.64798	104.07268	5.12744	0.0310827	0.24166031	2.5526964	21	10 6.3	20.9
536027 2015 BQ_{535}	17.4	X	197.75927	288.92772	237.37548	12.62124	0.0993240	0.24011520	2.5636356	21	10 11.9	21.4
536028 2015 BS_{535}	17.8	X	169.11050	231.41083	26.55073	6.78434	0.0814357	0.26077300	2.4263920	21	—	—
536029 2015 BU_{535}	17.0	X	312.18239	46.40214	296.50156	10.56394	0.1242342	0.22392945	2.6857273	21	7 6.3	20.0
536030 2015 BV_{535}	17.6	X	221.42392	321.51472	125.73483	3.51614	0.1500515	0.23164722	2.6257376	21	7 25.5	21.4
536031 2015 BW_{535}	17.9	X	158.32866	264.31918	341.81209	5.65500	0.0827451	0.25569737	2.4583962	21	12 15.0	21.5
536032 2015 BX_{535}	17.9	X	173.70600	43.53035	134.10826	14.54151	0.1897083	0.23020843	2.6366667	21	10 5.6	22.5
536033 2015 BZ_{535}	17.7	X	157.75452	93.15669	102.50177	2.55334	0.1080824	0.23107491	2.6300713	21	10 10.3	21.7
536034 2015 BE_{536}	17.5	X	111.81756	236.37910	53.84428	7.47159	0.1108546	0.25530293	2.4609277	21	12 21.9	21.3
536035 2015 BF_{536}	18.2	X	192.36339	142.62641	91.61150	6.98830	0.0950122	0.26267710	2.4146521	21	—	—
536036 2015 BJ_{536}	16.9	X	206.22988	148.35107	333.32344	7.40780	0.0628929	0.22719353	2.6599415	21	8 29.5	20.7
536037 2015 BP_{536}	17.2	X	254.26791	12.12062	351.52549	4.39204	0.1001904	0.21209423	2.7847325	21	5 17.9	21.2
536038 2015 BX_{536}	17.4	X	202.00121	91.55816	8.24854	12.08135	0.1346329	0.21631136	2.7484204	21	7 26.8	21.9
536039 2015 BZ_{536}	17.1	X	233.00746	228.96189	157.26192	7.18012	0.1146715	0.21110423	2.7934319	21	5 24.9	21.5
536040 2015 BA_{537}	17.7	X	169.06048	186.98403	337.61467	2.69195	0.0522537	0.22413208	2.6841083	21	9 11.1	21.6
536041 2015 BD_{537}	17.1	X	233.71311	108.67648	336.73211	12.09483	0.1463738	0.22280401	2.6947639	21	8 7.8	21.1
536042 2015 BG_{537}	17.7	X	235.81150	130.73646	334.87015	5.62693	0.0835738	0.22936804	2.6431032	21	9 10.3	21.4
536043 2015 BL_{537}	17.1	X	219.12682	265.48076	193.01793	13.60726	0.1659258	0.22030368	2.7151149	21	8 1.8	21.7
536044 2015 BN_{537}	17.2	X	280.68090	267.21621	112.21133	6.48410	0.0487768	0.21739838	2.7392511	21	7 21.0	20.8
536045 2015 BR_{537}	15.8	X	145.05670	2.03053	93.97428	10.74230	0.0633480	0.17532357	3.1616165	21	5 20.8	20.5
536046 2015 BS_{537}	16.5	X	105.93919	113.77488	338.72785	8.41449	0.0529601	0.17279177	3.1924248	21	3 25.8	21.1
536047 2015 BU_{537}	17.0	X	38.75414	145.95105	155.93218	10.51354	0.1585065	0.23159828	2.6261075	21	10 18.6	20.3
536048 2015 BV_{537}	16.8	X	239.18549	333.85294	88.69697	6.50192	0.0478785	0.22130239	2.7069401	21	7 25.0	20.5
536049 2015 BX_{537}	18.0	X	201.39912	130.07448	44.55567	7.76546	0.1466710	0.24341788	2.5403940	21	10 26.6	21.8
536050 2015 BA_{538}	17.0	X	344.66245	23.59886	333.03479	5.31564	0.1250924	0.24088011	2.5582055	21	9 23.9	19.5
536051 2015 BB_{538}	18.0	X	175.84112	246.22029	358.90736	6.26383	0.0507204	0.26950010	2.3737233	21	—	—
536052 2015 BD_{538}	16.9	X	42.98272	325.99980	348.38982	14.58790	0.1318882	0.24381245	2.5376524	21	10 29.1	20.4
536053 2015 BF_{538}	18.0	X	159.03207	300.65458	314.38286	5.45695	0.1095076	0.25283113	2.4769411	21	12 25.8	21.7
536054 2015 BH_{538}	17.8	X	166.70456	291.89091	329.65460	0.65286	0.1602434	0.25591866	2.4569788	21	—	—
536055 2015 BJ_{538}	17.6	X	182.09790	253.89647	355.16390	6.00167	0.1061903	0.25914744	2.4365282	21	—	—
536056 2015 BK_{538}	16.5	X	1.73355	197.83517	29.79962	4.67762	0.0879914	0.17398376	3.1778269	21	4 25.1	20.6
536057 2015 BL_{538}	16.6	X	340.88126	357.73102	354.50261	6.18005	0.0511054	0.21961675	2.7207736	21	9 10.7	20.0
536058 2015 BM_{538}	18.2	X	322.36638	188.32936	264.05782	5.74266	0.1027897	0.27092993	2.3653644	21	—	—
536059 2015 BN_{538}	17.8	X	248.68012	53.69090	17.78142	15.50887	0.1085116	0.24034858	2.5619757	21	8 17.5	21.6
536060 2015 BO_{538}	18.1	X	252.85605	63.14759	34.62660	4.98362	0.1680541	0.24515752	2.5283619	21	9 13.5	21.5
536061 2015 BP_{538}	17.9	X	201.76376	181.88212	80.84426	7.81153	0.0931522	0.28072402	2.3100232	21	—	—
536062 2015 BQ_{538}	16.9	X	64.58758	157.34039	122.76182	5.51267	0.1514827	0.20999598	2.8032515	21	10 19.9	20.8
536063 2015 BS_{538}	16.5	X	202.79047	193.04131	167.41831	6.31270	0.0831004	0.17803758	3.1294038	21	3 25.9	21.4
536064 2015 BV_{538}	16.0	X	337.96433	349.47179	271.01361	9.51458	0.0594527	0.17981732	3.1087207	21	5 1.3	20.3
536065 2015 BW_{538}	16.2	X	242.88426	118.27374	192.69501	5.18565	0.1329920	0.18614335	3.0378829	21	3 1.6	21.0
536066 2015 BZ_{538}	16.9	X	51.75545	176.78293	1.94558	5.21004	0.0277240	0.19121259	2.9839513	21	4 28.9	20.9
536067 2015 BG_{539}	16.2	X	117.03992	240.69208	197.94995	16.52494	0.1425988	0.17947906	3.1126254	21	4 4.1	20.8
536068 2015 BH_{539}	16.9	X	110.00306	234.65510	337.51703	9.47425	0.1546250	0.21507183	2.7589703	21	9 11.8	21.2
536069 2015 BJ_{539}	17.4	X	241.31617	211.81889	197.68292	14.37371	0.1573503	0.22786946	2.6546787	21	6 25.6	21.7
536070 2015 BL_{539}	16.1	X	216.98073	140.49402	192.52437	16.23326	0.0586124	0.17521031	3.1629788	21	3 5.7	21.0
536071 2015 BR_{539}	16.0	X	163.62683	190.79527	244.94277	9.80157	0.0704593	0.18535526	3.0464877	21	5 13.4	20.6
536072 2015 BS_{539}	16.5	X	98.34583	131.72075	358.19063	8.82859	0.0249769	0.18437221	3.0573072	21	4 26.2	20.8
536073 2015 BT_{539}	17.6	X	165.40533	53.59577	148.61394	15.14137	0.0511382	0.23764139	2.5813961	21	11 1.1	21.5
536074 2015 BW_{539}	17.3	X	78.06212	113.54273	132.70858	9.65092	0.0723209	0.22878166	2.6476175	21	9 13.5	20.9
536075 2015 BZ_{539}	15.9	X	236.21990	12.33057	314.11822	9.88029	0.1458727	0.18067838	3.0988360	21	3 10.9	20.9
536076 2015 BA_{540}	16.7	X	274.82779	57.29765	315.28543	14.00938	0.1620700	0.20424260	2.8556512	21	6 17.2	20.9
536077 2015 BB_{540}	15.9	X	277.76211	97.85367	249.99353	10.14355	0.0758432	0.19234644	2.9722132	21	5 31.9	20.0
536078 2015 BC_{540}	16.4	X	294.67837	45.43873	254.65311	9.46848	0.0362344	0.17850516	3.1239365	21	4 27.1	20.8
536079 2015 BD_{540}	16.7	X	111.49728	76.09896	36.72997	13.22961	0.2778948	0.17627534	3.1502258	21	5 23.6	21.8
536080 2015 BE_{540}	16.9	X	63.36360	228.45444	56.69315	14.31480	0.0764453	0.21209424	2.7847324	21	10 17.1	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536081 2015 BG_{540}	16.4	X	287.58146	260.77029	38.34097	10.36493	0.0829115	0.18841398	3.0134267	21	4 13.0	20.6
536082 2015 BJ_{540}	16.3	X	153.53860	254.23870	177.49675	12.07249	0.0234586	0.18387433	3.0628236	21	4 26.4	20.7
536083 2015 BK_{540}	16.2	X	185.84822	119.45033	316.42001	10.54677	0.0163384	0.19539869	2.9411801	21	6 6.3	20.5
536084 2015 BL_{540}	16.4	X	212.96534	30.68943	354.69021	8.37875	0.1032192	0.18619608	3.0373093	21	4 30.5	21.2
536085 2015 BM_{540}	16.7	X	169.58102	252.35601	190.69345	10.03799	0.0803223	0.19128019	2.9832482	21	5 30.8	21.3
536086 2015 BN_{540}	16.3	X	148.36280	265.29210	165.30610	10.37962	0.0828299	0.17623821	3.1506682	21	4 25.1	21.1
536087 2015 BO_{540}	17.1	X	49.14925	314.71894	321.38230	4.10976	0.0747346	0.21423915	2.7661146	21	9 9.4	20.7
536088 2015 BQ_{540}	16.1	X	98.34322	35.13814	94.41245	9.32089	0.1136442	0.17410594	3.1763400	21	5 14.8	20.7
536089 2015 BR_{540}	16.8	X	56.01747	159.26410	3.22170	9.04180	0.0843405	0.18387055	3.0628655	21	4 19.7	20.8
536090 2015 BS_{540}	15.8	X	54.20418	166.07278	24.55711	11.38659	0.0546716	0.19358694	2.9595023	21	5 19.5	19.8
536091 2015 BW_{540}	16.3	X	151.12096	93.82168	311.25828	17.67813	0.2603518	0.18281322	3.0746639	21	3 28.3	21.8
536092 2015 BB_{541}	15.7	X	157.27958	308.83396	102.36728	10.43270	0.0869537	0.17561379	3.1581322	21	4 13.9	20.6
536093 2015 BC_{541}	16.5	X	71.47197	101.44350	56.79857	17.00740	0.0647711	0.17978817	3.1090566	21	5 8.1	20.6
536094 2015 BE_{541}	16.2	X	132.69203	193.32481	262.60840	8.92635	0.0660872	0.17790515	3.1309565	21	5 2.5	20.9
536095 2015 BG_{541}	16.4	X	88.04596	239.06403	256.76291	9.48826	0.0911193	0.17607775	3.1525820	21	5 2.1	20.9
536096 2015 BH_{541}	16.7	X	322.81444	234.98761	91.63864	10.31726	0.0457909	0.19143923	2.9815958	21	7 9.4	20.6
536097 2015 BK_{541}	16.5	X	17.36406	111.90705	161.95592	10.17834	0.0652517	0.19201247	2.9756586	21	7 18.3	20.4
536098 2015 BN_{541}	18.0	X	219.18645	317.91325	156.25422	4.27088	0.1900907	0.23591304	2.5939887	21	8 23.6	22.2
536099 2015 BO_{541}	16.7	X	168.77136	23.34326	36.17408	0.39837	0.0939654	0.18859371	3.0115119	21	4 30.2	21.3
536100 2015 BS_{541}	16.3	X	141.71882	48.22827	71.05218	11.07406	0.0809272	0.18669889	3.0318536	21	6 13.5	20.9
536101 2015 BT_{541}	16.5	X	70.52171	36.14413	148.48012	12.79389	0.0828568	0.19481673	2.9470345	21	6 12.0	20.7
536102 2015 BU_{541}	17.9	X	132.01705	105.40693	172.31500	6.22823	0.1125994	0.26126490	2.4233455	21	12 27.7	21.6
536103 2015 BW_{541}	16.9	X	152.59782	193.84655	323.68504	12.94435	0.0795894	0.23009492	2.6375338	21	8 15.2	20.6
536104 2015 BY_{541}	18.5	X	170.76506	110.53593	142.69585	2.75233	0.1325445	0.26573173	2.3961120	21	—	—
536105 2015 BB_{542}	17.0	X	316.93215	266.49681	133.51965	12.43570	0.0578238	0.23739488	2.5831828	21	10 16.9	20.3
536106 2015 BC_{542}	17.6	X	164.51342	153.35388	113.88314	7.35490	0.0842418	0.26337914	2.4103594	21	—	—
536107 2015 BD_{542}	17.5	X	4.25601	319.42029	26.58925	8.18530	0.0324209	0.25379704	2.4706526	21	10 11.1	20.5
536108 2015 BF_{542}	16.2	X	126.83036	123.01215	318.87105	10.09903	0.0633192	0.17292726	3.1907571	21	4 5.4	21.1
536109 2015 BM_{542}	15.9	X	213.25907	83.09644	267.40454	7.84082	0.0828880	0.17432468	3.1736824	21	3 20.3	20.9
536110 2015 BN_{542}	16.3	X	105.86720	164.13920	291.30983	15.84536	0.0826761	0.17859603	3.1228768	21	3 26.2	21.1
536111 2015 BO_{542}	17.8	X	38.28492	132.25836	274.81402	6.83334	0.0885714	0.28237562	2.3010069	21	—	—
536112 2015 BQ_{542}	17.7	X	354.17750	333.70140	57.95978	4.76176	0.1127887	0.25891718	2.4379725	21	12 5.8	20.2
536113 2015 BT_{542}	16.1	X	137.09383	37.36942	62.52700	10.56165	0.0216165	0.17208611	3.2011462	21	5 11.1	20.6
536114 2015 BZ_{542}	17.2	X	179.41732	305.04299	103.62592	6.93519	0.1080207	0.19690068	2.9262038	21	4 30.4	21.8
536115 2015 BU_{543}	17.2	X	13.25028	0.90912	310.93366	8.03646	0.0648595	0.23217447	2.6217609	21	9 3.4	20.3
536116 2015 BA_{544}	17.2	X	222.54175	120.38622	269.47421	2.60867	0.1063433	0.20967544	2.8061077	21	5 16.9	21.3
536117 2015 BE_{544}	17.0	X	26.07986	346.48207	356.56236	12.22388	0.0693717	0.23394209	2.6085378	21	11 3.1	20.4
536118 2015 BB_{545}	16.2	X	160.99294	89.26372	315.52299	9.36993	0.1365564	0.18211222	3.0825490	21	4 2.9	21.3
536119 2015 BM_{545}	16.5	X	216.84910	292.05394	72.80806	5.56668	0.2229495	0.19298988	2.9656031	21	4 10.1	21.6
536120 2015 BT_{545}	17.5	X	305.83566	104.90664	7.29318	7.54303	0.0619362	0.26210428	2.4181689	21	—	—
536121 2015 BY_{545}	16.3	X	106.14487	91.09304	16.18227	11.20300	0.0993928	0.17177434	3.2050183	21	4 20.4	20.9
536122 2015 BZ_{545}	16.0	X	44.93466	266.07960	266.59325	8.43799	0.0650453	0.18001316	3.1064656	21	4 14.3	20.3
536123 2015 BA_{546}	16.2	X	66.77099	130.93742	85.88296	10.62085	0.0675316	0.18251488	3.0780135	21	7 16.1	20.4
536124 2015 BB_{546}	16.5	X	133.11215	326.80207	107.72348	12.40309	0.1811878	0.17715761	3.1397580	21	4 25.9	21.6
536125 2015 BE_{546}	16.1	X	226.10265	251.00448	104.93968	10.51680	0.1051331	0.18286828	3.0740467	21	4 16.1	21.0
536126 2015 BF_{546}	17.8	X	172.10182	247.69112	339.23245	6.20968	0.1059544	0.25988934	2.4318890	21	12 4.3	21.4
536127 2015 BM_{546}	17.2	X	246.61238	190.19691	239.27679	10.92725	0.1451084	0.22702935	2.6612237	21	7 26.5	21.3
536128 2015 BR_{546}	17.1	X	101.83169	148.77770	31.48953	5.24580	0.0283850	0.21756580	2.7378456	21	7 8.9	20.8
536129 2015 BV_{546}	17.2	X	182.96322	243.88547	256.37151	4.02258	0.1215464	0.22074668	2.7114812	21	8 22.8	21.6
536130 2015 BX_{546}	17.3	X	234.03061	280.88775	151.66726	2.56348	0.1240571	0.22360050	2.6883607	21	7 21.9	21.3
536131 2015 BC_{547}	18.0	X	229.61269	18.21504	177.67760	1.45541	0.1325359	0.26333751	2.4106134	21	12 28.6	21.1
536132 2015 BD_{547}	17.1	X	155.81820	115.82246	33.15135	4.75952	0.0449370	0.20877580	2.8141632	21	8 7.2	21.1
536133 2015 BF_{547}	17.3	X	258.74153	93.39646	8.73368	12.36935	0.1487558	0.23854993	2.5748377	21	9 27.8	20.6
536134 2015 BG_{547}	17.2	X	289.21010	258.32173	117.34670	13.00049	0.1228230	0.22864400	2.6486801	21	7 16.3	20.3
536135 2015 BH_{547}	16.6	X	239.60389	356.32770	50.86730	6.33329	0.0258302	0.21490048	2.7604367	21	7 7.4	20.4
536136 2015 BM_{547}	17.0	X	130.19124	165.16993	86.77150	6.10992	0.1660634	0.24378037	2.5378750	21	11 23.9	21.0
536137 2015 BO_{547}	15.7	X	308.80130	219.99267	88.62353	11.14931	0.0996536	0.17185288	3.2040418	21	5 22.3	20.0
536138 2015 BW_{547}	17.2	X	145.74746	223.47672	183.62968	10.45917	0.0569195	0.17709972	3.1404422	21	3 19.1	21.7
536139 2015 BE_{548}	17.4	X	196.46511	284.48273	151.96772	7.08769	0.2649185	0.22471969	2.6794273	21	6 15.3	22.2
536140 2015 BL_{548}	16.7	X	304.73590	253.41413	97.74250	4.75009	0.1346091	0.22588582	2.6701976	21	7 3.7	20.0
536141 2015 BP_{548}	18.2	X	292.24774	308.70612	146.83350	2.69732	0.1123462	0.26902382	2.3765241	21	11 20.8	20.7
536142 2015 BQ_{548}	16.0	X	8.14395	253.77140	299.47864	12.27178	0.2350472	0.18054942	3.1003113	21	3 6.9	19.4
536143 2015 BT_{548}	17.4	X	197.75478	22.06149	23.57430	4.29012	0.2581619	0.21941257	2.7224613	21	5 8.9	22.2
536144 2015 BU_{548}	17.1	X	229.76680	339.09472	46.95434	6.92122	0.0425956	0.21645817	2.7471775	21	5 24.5	21.1
536145 2015 BW_{548}	16.5	X	50.58307	185.17680	10.38345	2.87701	0.1779695	0.20069821	2.8891742	21	6 8.2	19.8
536146 2015 BZ_{548}	17.6	X	37.46870	299.29297	61.72147	7.61929	0.1411503	0.28121311	2.3073440	21	—	—
536147 2015 BC_{549}	15.9	X	274.53827	278.49321	332.56808	14.14889	0.1110573	0.16907780	3.2390053	21	1 30.4	20.8
536148 2015 BD_{549}	18.4	X	3.03471	29.65176	40.41067	3.63803	0.1502307	0.29013092	2.2598175	21	—	—
536149 2015 BJ_{549}	17.1	X	187.78348	320.24481	193.24278	11.98546	0.1299214	0.23989894	2.5651760	21	9 14.5	21.0
536150 2015 BO_{549}	16.7	X	320.02751	25.27040	296.87168	17.02575	0.2573481	0.21927964	2.7235614	21	5 26.9	20.0
536151 2015 BP_{549}	17.2	X	147.96604	350.27836	144.63287	9.20057	0.1692024	0.21604439	2.7506841	21	7 15.3	21.6
536152 2015 BY_{549}	15.8	X	202.40107	352.96404	343.83921	9.57286	0.0630465	0.17730124	3.1380622	21	2 25.6	20.4
536153 2015 BE_{550}	16.6	X	261.24327	344.60094	39.78516	14.37667	0.1736582	0.22280482	2.6947573	21	6 11.9	20.8
536154 2015 BH_{550}	16.9	X	275.74121	176.02958	163.36870	2.59575	0.0755940	0.21143303	2.7905351	21	5 18.0	20.6
536155 2015 BJ_{550}	17.0	X	165.36482	355.89963	220.20397	13.23195	0.1041580	0.24227437	2.5483813	21	11 12.9	20.7
536156 2015 BK_{550}	16.1	X	39.85484	180.91624	350.12239	9.26294	0.0160505	0.19087489	2.9874697	21	4 1.5	20.2
536157 2015 BL_{550}	17.0	X	296.67274	87.79865	255.62897	5.27490	0.0458803	0.22093544	2.7099366	21	6 24.3	20.6
536158 2015 BN_{550}	17.4	X	243.90844	32.32990	4.69707	2.93397	0.1151262	0.22144159	2.7058056	21	6 17.7	21.3
536159 2015 BP_{550}	17.0	X	338.92780	305.11678	348.17498	3.88515	0.0472089	0.21018995	2.8015266	21	6 17.3	20.5
536160 2015 BR_{550}	17.7	X	172.61349	274.43548	246.82607	3.58684	0.1768979	0.23592918	2.5938704	21	9 8.2	22.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536161 2015 BS_{550}	17.2	X	185.40110	46.42398	109.08077	10.42186	0.1130353	0.23644835	2.5900721	21	9 21.7	21.3
536162 2015 BT_{550}	17.5	X	261.37766	110.61965	355.75755	4.41630	0.1426755	0.24457573	2.5323699	21	10 7.1	20.7
536163 2015 BW_{550}	16.7	X	4.28791	29.32644	201.89180	8.41014	0.0726733	0.17530362	3.1618563	21	5 5.1	20.8
536164 2015 BA_{551}	17.5	X	119.42635	61.73684	149.29519	12.98710	0.1275590	0.21923683	2.7239160	21	9 21.7	21.7
536165 2015 BB_{551}	16.2	X	196.96346	258.34442	130.14738	10.20595	0.1218839	0.17742538	3.1365982	21	4 25.8	21.3
536166 2015 BD_{551}	18.1	X	224.62760	281.33596	168.68875	2.24519	0.1253289	0.23134018	2.6280604	21	8 3.3	22.1
536167 2015 BF_{551}	18.0	X	129.64924	71.84975	190.43000	12.71997	0.1467253	0.24041389	2.5615117	21	12 5.2	22.3
536168 2015 BJ_{551}	17.0	X	355.33023	304.51753	23.01748	2.93700	0.0706309	0.21679555	2.7443266	21	8 30.7	20.3
536169 2015 BM_{551}	16.5	X	99.10028	25.46260	190.91536	5.74423	0.0393192	0.21061116	2.7977901	21	8 21.6	20.5
536170 2015 BN_{551}	16.9	X	278.94088	53.71102	7.44064	11.59528	0.1118068	0.22775801	2.6555447	21	9 7.7	20.3
536171 2015 BO_{551}	17.9	X	201.38456	43.64684	147.03232	4.14010	0.1135825	0.24477766	2.5309770	21	11 19.3	21.6
536172 2015 BQ_{551}	17.4	X	5.72669	327.91074	83.15390	6.40916	0.0856329	0.28063972	2.3104857	21	—	—
536173 2015 BR_{551}	17.1	X	164.47233	269.43003	339.38388	5.93381	0.1835755	0.24409180	2.5357159	21	12 18.5	21.3
536174 2015 BT_{551}	16.0	X	104.34246	84.33328	90.34972	11.19390	0.0715904	0.18192498	3.0846637	21	7 10.1	20.4
536175 2015 BU_{551}	15.8	X	240.88066	256.48596	44.50055	11.41337	0.0279046	0.15727251	3.3991278	21	3 6.3	20.9
536176 2015 BV_{551}	16.8	X	22.66411	216.83375	125.99102	14.80876	0.1808816	0.23230080	2.6208103	21	11 23.6	20.2
536177 2015 BW_{551}	17.8	X	183.47128	195.46672	1.36481	14.49229	0.0771562	0.24575085	2.5242907	21	11 4.1	21.6
536178 2015 BX_{551}	16.9	X	329.08957	250.01486	125.08685	7.20291	0.0233253	0.21838412	2.7310019	21	9 27.7	20.5
536179 2015 BY_{551}	17.5	X	218.12486	24.18012	127.27492	14.52473	0.1868330	0.23513819	2.5996842	21	10 15.2	21.8
536180 2015 BA_{552}	16.6	X	96.10147	30.77857	244.34707	12.44909	0.1285263	0.22588525	2.6702021	21	11 13.9	20.5
536181 2015 BB_{552}	17.0	X	264.81524	194.07418	117.97413	11.55186	0.0644189	0.19100370	2.9861264	21	4 7.7	21.5
536182 2015 BF_{552}	16.1	X	120.65671	145.83523	262.66533	9.98825	0.1027581	0.17491436	3.1665455	21	2 22.0	20.9
536183 2015 BK_{552}	17.3	X	261.65571	208.07874	242.75267	8.32191	0.0723499	0.24636664	2.5200826	21	9 24.7	20.6
536184 2015 BQ_{552}	17.2	X	254.60155	313.18135	70.20044	13.93002	0.1891898	0.23146536	2.6271128	21	6 3.1	21.2
536185 2015 BT_{552}	17.7	X	220.61175	189.23115	221.17264	2.99566	0.0913265	0.21535786	2.7565269	21	6 11.5	21.8
536186 2015 BQ_{553}	17.8	X	230.99841	138.96867	63.14130	10.36550	0.1644838	0.28283751	2.2985011	21	—	—
536187 2015 BW_{553}	16.7	X	247.68268	57.22990	302.24288	11.21157	0.1268574	0.21811084	2.7332826	21	4 28.7	21.1
536188 2015 BU_{554}	17.3	X	191.25430	48.70667	22.52542	6.00390	0.0392504	0.21625463	2.7489010	21	6 5.9	21.2
536189 2015 BH_{556}	17.1	X	227.77696	40.84078	347.17471	9.03190	0.1296147	0.21720488	2.7408777	21	5 15.5	21.6
536190 2015 BK_{556}	16.5	X	239.20222	7.08975	335.21490	10.76402	0.0553436	0.19925625	2.9030961	21	4 5.8	21.0
536191 2015 BO_{556}	17.1	X	307.79307	134.93301	179.39891	5.94813	0.0384685	0.21487753	2.7606333	21	6 2.6	20.8
536192 2015 BG_{557}	18.0	X	198.58581	142.96921	55.59543	3.00539	0.1318856	0.25872446	2.4391831	21	11 25.1	21.4
536193 2015 BL_{557}	17.6	X	205.17341	27.02330	81.60680	3.60547	0.0575423	0.22884675	2.6471154	21	8 13.0	21.4
536194 2015 BO_{557}	16.5	X	330.13756	236.27790	49.00611	6.67117	0.0603366	0.19590813	2.9360790	21	5 23.3	20.3
536195 2015 BC_{558}	17.9	X	254.13953	346.45983	32.37455	3.28979	0.1225138	0.22766600	2.6562601	21	6 4.2	21.8
536196 2015 BZ_{558}	17.3	X	253.96848	333.80921	45.92497	7.56767	0.1032423	0.22700119	2.6614438	21	6 7.2	21.1
536197 2015 BD_{559}	16.1	X	257.79477	224.68816	86.50029	15.31205	0.1590755	0.19681190	2.9270837	21	3 22.1	20.9
536198 2015 BB_{560}	18.1	X	265.58795	347.76180	158.95986	2.77906	0.1318934	0.27201667	2.3590603	21	12 16.4	20.5
536199 2015 BH_{560}	16.2	X	33.14980	284.18080	241.26940	14.78934	0.1223285	0.17185642	3.2039978	21	3 20.7	20.4
536200 2015 BH_{565}	17.6	X	95.37417	270.50643	68.42745	7.96098	0.1718578	0.29140156	2.2532436	21	—	—
536201 2015 BJ_{565}	18.1	X	347.19299	32.59815	47.07165	8.50069	0.0738742	0.28813747	2.2702284	21	—	—
536202 2015 BL_{565}	18.6	X	344.08946	254.90337	234.88324	2.55054	0.1322554	0.29798514	2.2199319	21	—	—
536203 2015 BM_{565}	17.6	X	172.06716	192.50315	26.97496	6.94292	0.1011720	0.25412348	2.4685363	21	11 24.1	21.2
536204 2015 BO_{565}	16.5	X	258.21144	107.14797	337.51642	21.65049	0.0576956	0.22532363	2.6746372	21	9 11.3	20.2
536205 2015 BT_{565}	16.6	X	225.34943	104.94872	272.06526	7.99820	0.0935427	0.18314885	3.0709065	21	5 4.7	21.4
536206 2015 BW_{565}	16.4	X	92.79320	349.89643	160.45786	15.62999	0.0356809	0.18343839	3.0676742	21	5 23.4	21.0
536207 2015 BX_{565}	16.7	X	143.31012	314.93153	112.29757	10.85448	0.0770913	0.17655562	3.1468909	21	4 17.4	21.6
536208 2015 CC	17.6	X	185.45712	87.54248	16.52566	28.23508	0.3501006	0.22946744	2.6423399	21	7 16.5	23.2
536209 2015 CV_{1}	17.9	X	228.48658	184.84902	347.34004	3.16186	0.1269007	0.25971471	2.4329790	21	11 25.5	21.1
536210 2015 CC_{2}	17.3	X	161.02959	204.55313	339.26692	4.52886	0.0820676	0.23536913	2.5979835	21	9 26.7	21.1
536211 2015 CA_{5}	16.5	X	154.14110	101.70079	316.65681	10.53334	0.0856877	0.19601430	2.9350188	21	4 6.8	21.1
536212 2015 CW_{5}	18.4	X	250.77368	154.88617	334.85885	0.31377	0.1666866	0.26113237	2.4241654	21	10 23.7	21.2
536213 2015 CF_{6}	16.7	X	187.06116	303.81622	135.34463	26.17445	0.1584807	0.21790380	2.7350137	21	6 16.4	21.6
536214 2015 CF_{10}	16.3	X	116.06079	121.33427	36.57207	16.14053	0.1922131	0.20516903	2.8470483	21	7 19.3	21.1
536215 2015 CH_{10}	17.1	X	111.39468	262.21127	304.77724	12.20475	0.1355077	0.22843204	2.6503183	21	9 2.2	21.3
536216 2015 CS_{11}	17.4	X	199.43705	151.68372	339.42841	3.94054	0.1395636	0.23066528	2.6331841	21	8 29.5	21.5
536217 2015 CT_{11}	16.7	X	188.13023	287.64057	155.16426	2.40554	0.0352965	0.20338656	2.8636584	21	6 18.7	20.7
536218 2015 CG_{12}	16.8	X	185.76178	305.01809	157.88615	9.16387	0.1029410	0.21293548	2.7773932	21	7 10.3	21.2
536219 2015 CR_{12}	16.7	X	191.01320	154.10835	282.53468	21.29398	0.0358033	0.23079678	2.6321838	21	6 14.6	20.6
536220 2015 CE_{14}	16.1	X	152.44208	83.91329	318.53142	9.47236	0.0137160	0.17846219	3.1244380	21	3 13.6	20.7
536221 2015 CW_{14}	16.7	X	181.21049	108.69456	332.21645	14.26562	0.1597438	0.21263389	2.7800187	21	6 7.4	21.5
536222 2015 CH_{15}	16.6	X	254.09767	267.81580	131.88083	28.09242	0.2302448	0.23620473	2.5918527	21	6 23.6	21.1
536223 2015 CO_{15}	17.5	X	294.78260	101.92521	357.60003	7.10835	0.1055732	0.26351139	2.4095529	21	11 27.4	20.1
536224 2015 CZ_{15}	17.0	X	351.03050	19.57316	287.79454	3.72933	0.0983170	0.22035903	2.7146603	21	7 24.4	20.1
536225 2015 CJ_{16}	17.6	X	292.71185	149.16255	293.31339	5.62796	0.1143262	0.25952244	2.4341804	21	10 27.5	20.3
536226 2015 CM_{16}	18.5	X	258.16264	7.86168	159.46698	4.19290	0.1840877	0.27162987	2.3612993	21	12 24.8	20.9
536227 2015 CU_{18}	17.8	X	251.87533	234.09487	243.72576	4.02541	0.1655766	0.25504988	2.4625552	21	10 6.8	21.0
536228 2015 CM_{19}	17.7	X	210.79591	4.06718	176.00571	4.32539	0.1746996	0.25554902	2.4593475	21	11 11.1	21.4
536229 2015 CQ_{20}	16.6	X	249.71698	69.25612	319.46014	13.40944	0.0831554	0.22335132	2.6903598	21	6 18.2	20.6
536230 2015 CG_{21}	17.3	X	251.72481	4.73828	355.19366	2.37576	0.0491409	0.20245520	2.8724342	21	5 17.5	21.3
536231 2015 CN_{22}	17.6	X	289.87916	47.22427	332.82522	2.94221	0.0777854	0.22921571	2.6442741	21	7 31.2	20.9
536232 2015 CJ_{23}	17.2	X	322.05526	54.05027	341.24231	16.21789	0.0926128	0.24254049	2.5465169	21	10 4.6	20.2
536233 2015 CK_{23}	17.2	X	184.17419	2.80507	157.02203	8.29739	0.1238258	0.23364174	2.6107729	21	9 21.8	21.3
536234 2015 CM_{23}	16.3	X	54.96915	13.93975	162.51367	14.37058	0.1150126	0.18346698	3.0673554	21	5 16.5	20.5
536235 2015 CX_{23}	18.4	X	302.62784	123.34031	329.89534	3.11046	0.1175086	0.26195908	2.4190624	21	12 2.2	20.7
536236 2015 CH_{24}	18.2	X	231.92267	354.78641	134.55765	6.03846	0.1710338	0.24477708	2.5309810	21	9 30.3	21.9
536237 2015 CJ_{24}	17.5	X	119.80749	234.34081	354.92381	4.40475	0.2280357	0.22521425	2.6755032	21	10 17.7	22.0
536238 2015 CN_{25}	16.7	X	243.66014	294.76740	163.02719	22.18699	0.0595402	0.23383677	2.6093210	21	9 15.5	20.1
536239 2015 CN_{26}	17.1	X	248.70393	106.76607	320.30767	12.99601	0.1436582	0.23124112	2.6288109	21	7 31.3	20.9
536240 2015 CR_{26}	17.1	X	222.07898	303.62892	110.42905	10.41056	0.1809320	0.22528606	2.6749346	21	6 12.3	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536241 2015 CS_{26}	16.5	X	35.93579	250.61900	330.90279	8.29528	0.0702402	0.20675005	2.8325155	21	6 5.7	20.2
536242 2015 CJ_{28}	17.7	X	246.35921	112.49093	327.65321	31.68962	0.1749508	0.24126458	2.5554869	21	8 13.9	21.5
536243 2015 CF_{29}	18.2	X	266.82741	85.68832	52.99054	3.04643	0.1347203	0.26745992	2.3857792	21	12 5.0	20.6
536244 2015 CR_{29}	17.9	X	214.13419	91.55061	326.64676	3.54946	0.2147568	0.21913958	2.7247218	21	6 7.5	22.5
536245 2015 CH_{33}	17.6	X	184.85773	125.00153	344.74868	8.77260	0.2472726	0.22412454	2.6841685	21	7 19.1	22.4
536246 2015 CE_{36}	16.5	X	127.88050	72.80272	89.79525	12.64999	0.1161394	0.21835786	2.7312209	21	7 28.8	20.7
536247 2015 CH_{36}	16.7	X	257.43798	3.98167	48.29349	9.03544	0.2223848	0.23946285	2.5682894	21	7 11.3	20.6
536248 2015 CX_{36}	16.7	X	109.20045	26.22473	101.47730	13.42267	0.0930389	0.19888510	2.9067067	21	5 22.3	21.0
536249 2015 CG_{37}	17.1	X	269.90783	347.96504	55.68766	8.21039	0.2114815	0.24335712	2.5408168	21	7 15.9	20.6
536250 2015 CS_{37}	16.7	X	264.32137	54.64298	331.27541	15.94932	0.1984856	0.23148884	2.6269351	21	6 16.5	20.8
536251 2015 CZ_{37}	18.5	X	255.98424	64.99568	99.69674	3.24190	0.1629437	0.27059963	2.3672888	21	12 20.9	21.2
536252 2015 CB_{38}	16.6	X	51.45769	149.09002	12.34519	4.36867	0.0698981	0.18241011	3.0791921	21	4 12.4	20.6
536253 2015 CW_{39}	15.9	X	148.42453	295.99490	163.17497	9.95125	0.0973473	0.18815870	3.0161517	21	5 30.1	20.6
536254 2015 CZ_{41}	17.8	X	170.47553	197.99053	343.34970	4.45440	0.2377141	0.23513223	2.5997282	21	9 30.8	22.4
536255 2015 CM_{42}	17.1	X	181.70869	261.69369	240.77827	3.76414	0.0547555	0.22610110	2.6685024	21	8 26.6	20.9
536256 2015 CR_{44}	16.5	X	6.75910	1.85070	231.97051	4.39706	0.0899533	0.18517615	3.0484519	21	5 10.2	20.2
536257 2015 CA_{45}	17.0	X	190.81268	203.21245	229.63150	2.07700	0.2022783	0.20941325	2.8084495	21	6 7.1	21.6
536258 2015 CJ_{45}	17.0	X	233.50646	302.99429	153.73570	13.19819	0.0976054	0.23219723	2.6215895	21	8 25.9	20.5
536259 2015 CQ_{45}	16.2	X	148.85811	260.96814	156.85634	10.85699	0.1317808	0.18046400	3.1012896	21	4 14.1	21.1
536260 2015 CR_{45}	16.5	X	161.76917	75.50750	341.61107	10.07674	0.1341427	0.18564854	3.0432785	21	4 18.4	21.4
536261 2015 CY_{45}	17.1	X	263.03692	81.68855	345.99580	11.35655	0.0323620	0.22886030	2.6470110	21	9 4.1	20.4
536262 2015 CP_{46}	17.9	X	208.82293	325.26212	246.63974	1.84976	0.0738652	0.26383449	2.4075853	21	12 31.8	21.2
536263 2015 CM_{47}	15.9	X	174.43438	226.94776	163.24236	21.89191	0.0398238	0.17155552	3.2077431	21	4 2.5	20.7
536264 2015 CX_{47}	16.1	X	116.07980	114.91620	342.86867	18.12102	0.0578800	0.17853882	3.1235439	21	4 8.1	20.8
536265 2015 CF_{48}	17.3	X	192.47811	151.09631	347.86670	12.57567	0.1897022	0.23086083	2.6316970	21	8 31.7	21.7
536266 2015 CX_{48}	17.0	X	279.83965	80.88195	356.17698	14.85575	0.1136847	0.24347077	2.5400260	21	9 27.3	20.0
536267 2015 CY_{48}	16.5	X	52.29500	58.30079	136.53689	7.95745	0.1136347	0.18758717	3.0222749	21	6 3.4	20.4
536268 2015 CC_{49}	18.1	X	230.49176	93.23367	84.48579	3.20266	0.1303283	0.25879854	2.4387176	21	12 5.5	21.2
536269 2015 CT_{49}	16.8	X	239.31302	70.81352	3.25283	12.01934	0.1004807	0.22235085	2.6984240	21	8 6.7	20.8
536270 2015 CV_{51}	17.0	X	130.46208	233.30172	342.33067	12.22702	0.2335209	0.22331948	2.6906155	21	10 6.9	21.7
536271 2015 CZ_{51}	18.0	X	285.69187	293.98123	189.05118	10.60410	0.1622215	0.26299433	2.4127100	21	12 11.4	20.6
536272 2015 CN_{52}	17.3	X	186.60080	259.43107	338.95985	7.58296	0.1171962	0.25778213	2.4451237	21	—	—
536273 2015 CR_{52}	16.7	X	239.50079	267.69617	141.72597	2.70944	0.0632692	0.20392609	2.8586053	21	7 4.8	20.9
536274 2015 CY_{52}	17.9	X	199.24913	3.57209	144.38542	7.01558	0.2433982	0.23365345	2.6106856	21	9 15.1	22.3
536275 2015 CP_{53}	17.3	X	229.44807	311.69085	155.14390	8.27538	0.1756021	0.23149142	2.6269156	21	8 25.6	21.1
536276 2015 CF_{54}	16.1	X	53.54683	350.05368	176.78508	11.11962	0.1446602	0.17491712	3.1665123	21	5 5.1	20.1
536277 2015 CS_{54}	17.0	X	118.26191	191.68273	356.88099	3.15462	0.0235382	0.21138697	2.7909405	21	8 9.9	20.8
536278 2015 CT_{54}	16.6	X	109.63012	297.03779	190.68784	2.52418	0.1789164	0.18789446	3.0189788	21	5 31.3	21.1
536279 2015 CB_{55}	17.5	X	215.11279	151.21041	350.21864	12.25101	0.1346750	0.23797039	2.5790164	21	9 26.5	21.3
536280 2015 CF_{55}	16.8	X	97.32780	108.33976	74.28389	0.69795	0.0553281	0.20042341	2.8918144	21	7 9.4	20.7
536281 2015 CF_{56}	16.9	X	193.15206	315.23566	165.03904	12.41851	0.1451285	0.22126093	2.7072783	21	8 7.1	21.3
536282 2015 CE_{58}	15.8	X	285.45634	290.81708	122.38408	15.34320	0.0812104	0.22137820	2.7063221	21	9 11.7	19.4
536283 2015 CV_{58}	17.9	X	355.86166	48.35049	26.49320	10.04702	0.0347107	0.28129429	2.3069000	21	—	—
536284 2015 CG_{59}	16.3	X	158.87588	245.24048	162.31379	11.48894	0.0497715	0.17964038	3.1107617	21	4 5.3	20.9
536285 2015 CH_{59}	18.5	X	233.31386	334.40767	193.04090	1.00760	0.2099669	0.25621280	2.4550980	21	11 14.2	21.7
536286 2015 CX_{60}	16.8	X	170.90106	48.32659	55.86043	7.79694	0.1068098	0.21418431	2.7665866	21	6 27.1	21.1
536287 2015 CL_{62}	6.5	X	326.45281	209.12145	335.65912	19.07905	0.1350387	0.00370621	41.3538230	21	2 11.9	22.2
536288 2015 CX_{62}	17.3	X	302.29780	32.74604	337.24004	21.77722	0.0398560	0.22969933	2.6405611	21	8 14.6	20.7
536289 2015 CA_{63}	16.7	X	247.49630	101.62309	225.15522	1.35771	0.0438504	0.19131075	2.9829305	21	4 2.1	21.0
536290 2015 CC_{63}	17.7	X	226.83883	130.83339	316.61872	2.08246	0.0961263	0.22699258	2.6615110	21	8 5.8	21.4
536291 2015 CH_{63}	16.9	X	67.39689	179.02339	104.19533	5.11820	0.1571619	0.23220607	2.6215230	21	10 30.6	20.6
536292 2015 CR_{63}	18.3	X	315.17434	316.19079	131.94905	3.26715	0.1532307	0.26745546	2.3858057	21	12 20.5	20.4
536293 2015 CV_{63}	17.2	X	149.32464	78.17240	5.70657	0.77982	0.0914656	0.19120502	2.9840300	21	5 9.3	21.6
536294 2015 CW_{63}	17.4	X	246.72747	49.69219	149.55499	8.36322	0.0354313	0.27771560	2.3266758	21	—	—
536295 2015 CC_{64}	16.9	X	77.20646	77.19544	119.71861	3.08657	0.1789503	0.20015975	2.8943533	21	7 20.6	20.8
536296 2015 CE_{64}	17.4	X	147.13236	133.96897	9.53693	4.20641	0.1475661	0.21360374	2.7715974	21	7 26.1	21.8
536297 2015 CY_{64}	18.2	X	347.30714	287.60669	133.32954	6.57741	0.0782174	0.27214165	2.3583380	21	—	—
536298 2015 CF_{65}	16.4	X	175.23819	337.37205	118.54831	14.82485	0.1570548	0.21385298	2.7694436	21	6 22.7	21.0
536299 2015 CP_{65}	16.5	X	130.17704	81.28995	7.21916	8.85747	0.0753215	0.19285688	2.9669664	21	4 20.0	20.8
536300 2015 CB_{66}	16.6	X	154.31748	71.93031	341.38266	12.95380	0.0437498	0.18201493	3.0836474	21	3 30.6	21.2
536301 2015 CG_{66}	17.4	X	128.31829	32.56090	174.72268	3.84304	0.0745742	0.22509140	2.6764766	21	9 20.7	21.3
536302 2015 CP_{66}	16.5	X	325.68082	248.79168	5.33295	0.46145	0.1064838	0.17027651	3.2237862	21	4 3.7	20.8
536303 2015 CS_{66}	16.6	X	125.65008	298.22202	165.58709	7.20721	0.0901592	0.18533258	3.0467363	21	5 10.4	21.1
536304 2015 CU_{66}	16.3	X	172.17684	71.17850	359.84993	12.83976	0.1238834	0.19124672	2.9835962	21	5 14.5	21.3
536305 2015 CX_{66}	16.9	X	146.76035	96.10621	339.83242	11.70968	0.0898393	0.19728343	2.9224178	21	4 21.0	21.5
536306 2015 CA_{67}	16.1	X	197.63079	346.37186	101.74057	23.43695	0.1204123	0.21329066	2.7743089	21	7 3.9	20.5
536307 2015 CD_{67}	17.2	X	242.48975	152.89145	278.79329	12.77846	0.2040849	0.23324380	2.6137416	21	7 20.2	21.3
536308 2015 CE_{67}	16.9	X	132.15338	68.14769	37.20604	3.48258	0.1257863	0.19227731	2.9729255	21	5 20.5	21.4
536309 2015 CG_{67}	16.7	X	31.95133	229.90782	36.54418	4.53625	0.0609872	0.20897118	2.8124088	21	8 2.6	20.3
536310 2015 CJ_{67}	17.5	X	254.40705	313.36459	131.60210	8.29045	0.1538235	0.24134366	2.5549287	21	8 30.3	21.0
536311 2015 CN_{68}	17.3	X	115.71707	103.36530	135.89656	13.33283	0.1492459	0.23311228	2.6147246	21	10 28.7	21.6
536312 2015 CU_{68}	17.1	X	113.21443	129.96509	355.74464	3.80009	0.1036842	0.18958747	3.0009790	21	5 21.9	21.5
536313 2015 CV_{68}	18.0	X	220.52324	341.01604	160.58551	4.86467	0.1171606	0.24191328	2.5509165	21	10 8.4	21.6
536314 2015 CX_{68}	18.0	X	204.03724	238.24709	239.21229	2.84714	0.1364440	0.22977852	2.6399544	21	8 15.4	22.0
536315 2015 CY_{68}	17.7	X	199.95628	130.70272	62.20679	3.08464	0.1287544	0.25372586	2.4711146	21	11 19.2	21.3
536316 2015 CJ_{69}	16.6	X	297.84683	156.98101	123.53188	11.83453	0.0450874	0.18383182	3.0632957	21	4 12.1	21.0
536317 2015 CQ_{69}	17.1	X	272.41304	288.32783	46.74663	9.13785	0.0183919	0.20221014	2.8747545	21	5 15.7	21.2
536318 2015 CD_{70}	16.3	X	196.70286	340.46579	1.64957	13.78812	0.0731798	0.17431214	3.1738346	21	3 1.2	21.1
536319 2015 CS_{70}	17.2	X	136.33677	13.09442	125.88610	16.07027	0.0844136	0.21861773	2.7290561	21	7 3.5	21.3
536320 2015 CV_{70}	16.8	X	232.60361	318.65047	110.02378	14.81798	0.1760874	0.22738283	2.6584650	21	7 10.6	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536321 2015 CX_{70}	16.9	X	176.20963	256.23709	177.32245	6.64327	0.0893283	0.19277711	2.9677847	21	5 26.2	21.5
536322 2015 DK_{2}	18.1	X	269.94082	241.55812	260.68789	2.54058	0.1164315	0.27412936	2.3469239	21	12 19.9	20.6
536323 2015 DW_{6}	18.3	X	281.35898	335.78570	146.20868	4.97318	0.1749599	0.27186409	2.3599428	21	12 2.7	20.4
536324 2015 DW_{7}	16.1	X	228.73560	193.04269	142.49344	9.84640	0.1299041	0.18894619	3.0077654	21	3 20.7	20.9
536325 2015 DA_{12}	18.0	X	226.47112	42.04816	126.69434	2.23050	0.1428107	0.26238040	2.4164721	21	11 18.3	21.2
536326 2015 DA_{14}	16.8	X	186.63638	198.48384	187.63252	1.60589	0.0830918	0.19260822	2.9695195	21	4 7.2	21.1
536327 2015 DM_{15}	17.9	X	201.91400	256.96284	187.60154	1.88140	0.1839932	0.22607279	2.6687252	21	7 1.2	22.3
536328 2015 DY_{15}	15.8	X	220.72385	206.72745	116.08108	11.49902	0.0428257	0.17542425	3.1604066	21	3 3.8	20.5
536329 2015 DL_{16}	18.0	X	209.66508	23.08713	143.07407	5.52689	0.0641014	0.25645784	2.4535339	21	11 5.5	21.3
536330 2015 DQ_{16}	16.3	X	153.67942	314.67124	119.42339	12.96873	0.0128442	0.19771536	2.9181601	21	4 30.7	20.6
536331 2015 DZ_{16}	17.0	X	315.37732	300.97477	48.84700	5.41397	0.1294301	0.22039823	2.7143383	21	7 21.7	20.2
536332 2015 DB_{17}	16.1	X	195.49444	256.56977	109.89305	7.97717	0.1868175	0.17926997	3.1150452	21	3 28.9	21.4
536333 2015 DR_{17}	16.9	X	336.66235	207.06043	116.99117	6.24540	0.0127749	0.21615308	2.7497619	21	7 28.7	20.4
536334 2015 DX_{17}	16.7	X	113.44189	100.18065	9.73511	7.93272	0.0548997	0.18529609	3.0471363	21	4 25.1	21.1
536335 2015 DK_{18}	16.7	X	165.63191	37.01339	8.60522	9.53187	0.0496551	0.18026866	3.1035297	21	4 7.1	21.2
536336 2015 DP_{19}	18.1	X	266.08377	129.47248	20.70991	3.41432	0.0354612	0.26675625	2.3899729	21	—	—
536337 2015 DB_{21}	17.5	X	149.39011	35.52509	80.73190	2.90481	0.1147746	0.20494031	2.8491662	21	6 20.6	21.9
536338 2015 DC_{22}	17.5	X	252.75319	332.83365	122.87719	6.60914	0.1777662	0.24399861	2.5363615	21	9 9.2	21.0
536339 2015 DV_{23}	17.0	X	229.53177	67.57302	350.40496	12.24855	0.1829802	0.21931385	2.7232782	21	6 23.9	21.6
536340 2015 DP_{24}	17.1	X	266.46205	343.72124	69.09624	2.76861	0.0710033	0.22685507	2.6625865	21	8 13.9	20.7
536341 2015 DQ_{24}	17.6	X	105.44263	122.76549	134.14248	6.01734	0.1267974	0.23613328	2.5923756	21	11 5.1	21.5
536342 2015 DQ_{25}	16.5	X	285.77988	164.49832	134.21336	10.87993	0.0585377	0.18078098	3.0976634	21	4 17.3	21.0
536343 2015 DK_{26}	17.6	X	209.83691	35.82058	105.56801	5.80404	0.0705339	0.23865619	2.5740733	21	10 2.3	21.3
536344 2015 DJ_{27}	17.4	X	272.85142	12.76665	36.59443	5.55337	0.0222618	0.22540888	2.6739628	21	8 27.1	20.9
536345 2015 DR_{28}	17.2	X	326.18500	35.82280	9.56393	9.67905	0.1909560	0.25601099	2.4563880	21	10 31.7	19.3
536346 2015 DH_{30}	16.3	X	98.13181	103.52612	11.46764	10.32477	0.0862250	0.18076635	3.0978306	21	4 17.5	20.6
536347 2015 DG_{31}	17.0	X	72.31745	248.86780	100.76843	6.66548	0.1124026	0.26826426	2.3810079	21	—	—
536348 2015 DM_{31}	17.5	X	144.75733	72.47306	131.46947	13.40163	0.1371826	0.23169437	2.6253813	21	10 12.3	21.9
536349 2015 DQ_{31}	16.7	X	214.94617	139.13321	354.26395	21.52047	0.0281158	0.23668604	2.5883378	21	9 26.1	20.2
536350 2015 DV_{31}	17.0	X	14.26880	172.46434	120.96881	6.25699	0.0955029	0.21394071	2.7686864	21	8 14.7	20.1
536351 2015 DL_{32}	17.1	X	161.70174	330.83830	120.24309	7.30664	0.0471663	0.19624527	2.9327154	21	5 30.6	21.4
536352 2015 DU_{32}	17.7	X	207.56037	13.98336	120.67227	5.56740	0.2124496	0.23692604	2.5865896	21	9 8.1	21.9
536353 2015 DY_{32}	17.3	X	4.88216	271.82451	127.24748	7.76791	0.0779667	0.26263902	2.4148856	21	12 29.9	20.2
536354 2015 DE_{35}	16.9	X	200.06355	256.09388	140.79837	10.43048	0.1028912	0.19140709	2.9819295	21	5 7.8	21.7
536355 2015 DX_{35}	17.2	X	204.71145	31.90885	130.69365	6.94149	0.0564325	0.24348426	2.5399322	21	10 25.8	20.8
536356 2015 DW_{36}	17.2	X	174.94786	86.53956	61.30407	3.60737	0.0509261	0.22403013	2.6849226	21	8 29.3	21.0
536357 2015 DQ_{37}	17.7	X	305.76715	49.45960	44.64106	4.91487	0.2168049	0.26701468	2.3884306	21	12 4.7	19.2
536358 2015 DC_{38}	16.9	X	199.67173	293.83882	142.00667	15.37486	0.2961344	0.21722165	2.7407367	21	6 17.5	22.1
536359 2015 DN_{40}	17.4	X	229.72936	2.05524	79.14776	7.84849	0.2454169	0.23013305	2.6372424	21	7 18.9	21.8
536360 2015 DN_{42}	17.4	X	84.31393	161.11349	128.19135	15.18210	0.1414530	0.23881456	2.5729352	21	11 26.9	21.5
536361 2015 DV_{44}	17.3	X	57.23216	179.26565	64.58799	4.68733	0.0433536	0.21132757	2.7914634	21	8 6.2	21.0
536362 2015 DC_{45}	17.4	X	144.20349	171.55116	100.73316	5.61823	0.1252635	0.25745845	2.4471727	21	—	—
536363 2015 DE_{45}	16.4	X	202.45309	263.86153	134.96857	11.41879	0.2389421	0.19767377	2.9185693	21	5 10.1	21.7
536364 2015 DL_{45}	16.2	X	171.26490	264.68035	126.71533	10.18515	0.1111595	0.17462780	3.1700087	21	4 4.8	21.3
536365 2015 DE_{47}	18.1	X	202.77555	200.44615	28.77823	6.97493	0.1525134	0.26328341	2.4109436	21	—	—
536366 2015 DW_{47}	17.6	X	138.57343	162.96673	49.21050	3.02187	0.1838253	0.23143854	2.6273157	21	10 13.4	21.8
536367 2015 DM_{48}	17.1	X	229.91409	64.18809	357.10605	9.23471	0.1571147	0.21930015	2.7233916	21	7 1.1	21.5
536368 2015 DG_{49}	17.2	X	21.30267	208.39649	85.00725	6.33473	0.0093691	0.22132239	2.7067770	21	8 20.6	20.8
536369 2015 DA_{50}	17.9	X	145.23136	174.87552	110.87201	3.57234	0.2084534	0.26197324	2.4189753	21	—	—
536370 2015 DP_{50}	16.5	X	329.95888	292.31778	16.09606	12.45964	0.0935007	0.20265563	2.8705400	21	6 19.6	20.3
536371 2015 DZ_{50}	16.2	X	181.87602	24.49919	33.61235	9.70493	0.0598117	0.19093621	2.9868301	21	5 9.9	20.6
536372 2015 DK_{51}	18.1	X	328.25071	31.21521	61.12935	7.15007	0.0881850	0.27001637	2.3706967	21	—	—
536373 2015 DV_{53}	16.8	X	180.53432	48.46015	23.00427	7.03185	0.2107915	0.20986658	2.8044036	21	5 26.5	21.6
536374 2015 DT_{57}	17.3	X	130.36887	24.96558	113.89948	3.14893	0.0341899	0.20704787	2.8297987	21	6 20.8	21.2
536375 2015 DK_{58}	17.9	X	171.50266	215.09948	335.38002	7.54652	0.1382753	0.24235451	2.5478194	21	10 13.6	21.9
536376 2015 DB_{66}	16.6	X	160.98902	313.81259	93.53526	3.58731	0.1321088	0.18643589	3.0347042	21	4 11.6	21.4
536377 2015 DJ_{67}	17.4	X	79.73943	226.45163	65.61820	3.08526	0.1360357	0.24532033	2.5272431	21	11 21.8	21.1
536378 2015 DG_{68}	16.3	X	202.24529	259.35052	114.30081	4.49031	0.1188847	0.18644439	3.0346120	21	4 10.4	21.1
536379 2015 DX_{69}	17.9	X	156.50383	294.09062	333.79485	4.52797	0.0995046	0.26728714	2.3868072	21	—	—
536380 2015 DX_{73}	16.4	X	158.00992	270.11497	150.67320	11.32334	0.1200701	0.18840394	3.0135337	21	4 26.0	21.2
536381 2015 DO_{74}	16.5	X	109.85767	103.60827	335.15109	8.49993	0.1015478	0.17392810	3.1785049	21	3 20.4	21.1
536382 2015 DF_{75}	17.8	X	165.85210	38.93013	150.15091	5.70898	0.0823106	0.23870265	2.5737393	21	10 12.2	21.6
536383 2015 DL_{75}	16.5	X	296.65224	163.01285	104.78467	2.39918	0.1037469	0.17176903	3.2050844	21	3 14.9	21.0
536384 2015 DV_{76}	17.9	X	190.93683	121.66612	139.76606	7.77157	0.1030561	0.27791961	2.3255370	21	—	—
536385 2015 DA_{81}	17.5	X	239.94897	14.19708	56.57471	2.95366	0.1907290	0.23018334	2.6368583	21	7 20.1	21.5
536386 2015 DH_{82}	17.6	X	155.76476	195.61909	59.73849	2.13104	0.1562087	0.25663071	2.4524319	21	12 21.6	21.6
536387 2015 DM_{82}	18.4	X	280.32242	19.19298	100.37622	3.13611	0.1624117	0.26428426	2.4048529	21	11 26.4	20.7
536388 2015 DX_{82}	17.5	X	236.65663	35.56894	74.98532	2.53851	0.0991314	0.23997166	2.5646577	21	9 18.9	21.0
536389 2015 DM_{84}	17.8	X	46.75819	42.86611	347.09643	6.61928	0.1261532	0.28048545	2.3113328	21	—	—
536390 2015 DL_{85}	17.6	X	193.71995	130.75110	356.34207	2.54111	0.0321692	0.22640577	2.6661079	21	8 24.4	21.1
536391 2015 DY_{85}	17.3	X	180.78199	304.93263	148.38182	10.37410	0.0917950	0.20948589	2.8078002	21	6 23.9	21.8
536392 2015 DV_{86}	16.6	X	141.45654	78.10552	343.14778	8.93031	0.0804186	0.17846114	3.1244502	21	3 31.4	21.3
536393 2015 DK_{87}	16.4	X	138.23410	282.66480	157.27522	10.36801	0.1212396	0.19020935	2.9944344	21	4 28.7	21.1
536394 2015 DZ_{89}	17.4	X	122.75735	93.83262	136.55343	14.30995	0.1940193	0.23241899	2.6199217	21	10 27.0	22.0
536395 2015 DE_{91}	16.4	X	128.52770	281.02467	148.41066	1.86899	0.1294593	0.17955778	3.1117156	21	4 4.8	21.1
536396 2015 DU_{92}	17.3	X	141.25484	189.95154	348.50350	11.05977	0.0620069	0.22322870	2.6913450	21	8 29.8	21.2
536397 2015 DB_{95}	17.5	X	165.90528	310.70698	254.04352	2.42653	0.1360623	0.24145702	2.5541290	21	10 28.3	21.5
536398 2015 DG_{97}	18.0	X	230.52374	357.24584	98.55969	3.42834	0.1768521	0.23079073	2.6322299	21	8 13.4	22.1
536399 2015 DV_{98}	17.4	X	141.63279	138.43999	25.93374	5.21411	0.0528749	0.21147810	2.7901386	21	8 11.2	21.5
536400 2015 DF_{99}	17.0	X	103.93555	136.13423	3.31294	4.60699	0.1511316	0.18874912	3.0098586	21	6 4.1	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536401 2015 DV_{99}	15.6	X	336.59826	167.74412	106.09281	12.48416	0.0554367	0.19287213	2.9668100	21	5 22.2	19.6
536402 2015 DA_{101}	18.1	X	269.93545	69.43089	74.75579	6.18331	0.2396890	0.27186641	2.3599294	21	12 2.5	20.0
536403 2015 DN_{101}	15.7	X	332.91978	226.09269	6.40920	8.80784	0.0960442	0.17943160	3.1131742	21	3 18.7	19.6
536404 2015 DO_{101}	17.8	X	269.35850	161.64940	6.31934	6.55212	0.0787167	0.28088452	2.3091431	21	—	—
536405 2015 DZ_{101}	16.0	X	342.58385	130.99097	84.50864	9.64934	0.0406031	0.17867856	3.1219151	21	3 21.3	20.4
536406 2015 DM_{102}	16.4	X	210.83944	30.47100	356.18790	11.70741	0.0051427	0.19774749	2.9178439	21	5 1.6	20.6
536407 2015 DL_{104}	16.6	X	106.78926	108.32941	81.86736	12.36248	0.1616141	0.21630338	2.7484880	21	8 17.7	20.9
536408 2015 DX_{104}	16.6	X	343.95433	197.17728	27.23134	9.38705	0.0728016	0.18128402	3.0919304	21	3 27.9	20.6
536409 2015 DZ_{104}	16.5	X	206.53372	333.21748	85.65011	12.17806	0.1295266	0.21494366	2.7600670	21	6 5.9	20.7
536410 2015 DG_{105}	16.8	X	192.01628	75.23369	357.70778	14.55731	0.1780847	0.21640483	2.7476289	21	6 5.7	21.6
536411 2015 DC_{106}	16.5	X	138.23151	74.91628	355.43231	10.28804	0.0829469	0.18855905	3.0118809	21	4 7.3	20.9
536412 2015 DA_{107}	16.0	X	154.68358	306.92058	99.30705	12.04948	0.1072145	0.18494475	3.0509942	21	4 6.9	20.9
536413 2015 DF_{107}	16.4	X	72.33038	102.03886	26.85050	10.37376	0.0459635	0.18177077	3.0864081	21	3 30.6	20.5
536414 2015 DS_{107}	16.3	X	166.38640	62.52922	49.18439	9.38896	0.1119436	0.21569374	2.7536645	21	7 2.5	20.7
536415 2015 DE_{109}	16.4	X	251.40413	308.75368	3.44932	18.14261	0.0359845	0.18189547	3.0849973	21	3 22.5	20.8
536416 2015 DG_{111}	16.5	X	250.24458	300.43165	91.26584	14.14043	0.2729663	0.22732445	2.6589201	21	6 3.1	21.0
536417 2015 DB_{113}	17.3	X	231.25147	3.96592	75.63634	7.41078	0.1856386	0.23302276	2.6153942	21	7 23.7	21.5
536418 2015 DH_{113}	16.3	X	161.51809	338.23011	61.78644	9.79352	0.0874031	0.18299116	3.0726704	21	4 3.4	21.1
536419 2015 DP_{113}	15.4	X	81.22395	26.97572	72.16986	8.99207	0.0335341	0.17192962	3.2030884	21	3 7.8	20.0
536420 2015 DQ_{113}	17.1	X	249.32477	309.24965	115.29208	14.73344	0.1517357	0.23444321	2.6048194	21	7 26.5	20.7
536421 2015 DD_{114}	17.2	X	252.07413	57.68401	1.90704	12.64355	0.1697303	0.23505814	2.6002744	21	7 24.7	21.2
536422 2015 DH_{114}	16.5	X	116.82206	64.56494	22.31923	10.18273	0.0806977	0.18391784	3.0623405	21	4 6.6	20.7
536423 2015 DJ_{114}	17.8	X	256.38814	118.41036	28.83482	7.57158	0.1778618	0.26584645	2.3954226	21	11 22.1	20.5
536424 2015 DF_{115}	16.6	X	101.89884	83.45574	97.02059	12.49062	0.1289191	0.21190069	2.7864279	21	7 23.2	20.7
536425 2015 DN_{115}	16.6	X	105.32934	213.03120	44.20420	7.25409	0.1743480	0.24246055	2.5470765	21	11 7.4	20.6
536426 2015 DP_{115}	18.0	X	174.21225	226.74320	32.02373	7.52369	0.0827143	0.27660297	2.3329109	21	—	—
536427 2015 DG_{116}	17.4	X	145.49103	109.45504	34.59890	8.64304	0.1255002	0.21748599	2.7385154	21	7 25.3	21.8
536428 2015 DG_{118}	18.3	X	282.19250	32.39600	95.63047	6.85246	0.1519332	0.26474489	2.4020626	21	12 13.6	20.4
536429 2015 DX_{118}	17.3	X	257.45995	80.28370	18.49500	9.94496	0.0535771	0.23873790	2.5734860	21	10 6.3	20.5
536430 2015 DM_{119}	17.3	X	227.59360	348.60254	80.69538	5.48124	0.0491137	0.21183405	2.7870122	21	7 18.8	21.2
536431 2015 DS_{119}	17.1	X	253.18319	308.49423	129.65210	8.90312	0.1096224	0.22948514	2.6422040	21	8 25.0	20.6
536432 2015 DD_{120}	16.2	X	8.33056	120.44980	124.34700	11.47963	0.0279784	0.18921360	3.0049308	21	5 29.9	20.4
536433 2015 DM_{120}	16.8	X	340.70873	353.63471	67.34590	7.24469	0.1182656	0.26094299	2.4253381	21	12 25.6	19.2
536434 2015 DT_{120}	16.2	X	167.92210	30.64690	45.88312	10.26349	0.1151145	0.19246452	2.9709974	21	5 20.1	20.8
536435 2015 DB_{124}	17.7	X	215.94030	32.12207	101.29055	7.34335	0.2648114	0.23935809	2.5690387	21	9 11.7	22.1
536436 2015 DH_{124}	17.6	X	222.90790	102.16925	99.43890	7.98524	0.0596761	0.26283532	2.4136830	21	—	—
536437 2015 DB_{125}	15.9	X	139.00071	36.92387	50.51486	10.87597	0.0637388	0.18105688	3.0945158	21	5 1.6	20.4
536438 2015 DK_{125}	16.0	X	161.41392	354.36258	107.55722	11.13337	0.0447204	0.19530488	2.9421218	21	6 12.7	20.4
536439 2015 DV_{125}	16.2	X	160.66294	273.42949	137.66244	18.65025	0.2058180	0.17843696	3.1247325	21	4 25.1	21.7
536440 2015 DX_{125}	17.3	X	128.35766	111.43429	119.12194	13.52720	0.1293580	0.22987042	2.6392508	21	10 29.5	21.7
536441 2015 DN_{126}	16.2	X	148.34262	325.68409	134.20148	15.95313	0.1573701	0.19293021	2.9662146	21	6 5.2	21.2
536442 2015 DV_{127}	16.4	X	261.03030	220.96180	99.01576	13.43010	0.0510625	0.17369337	3.1813678	21	4 17.7	21.2
536443 2015 DN_{128}	16.9	X	138.68128	108.03647	134.83201	14.80105	0.0572770	0.24423550	2.5347212	21	11 22.6	20.8
536444 2015 DB_{129}	15.9	X	103.73413	73.92295	46.58942	11.55560	0.0929632	0.18037817	3.1022734	21	5 4.5	20.3
536445 2015 DA_{131}	16.2	X	202.39870	16.82379	83.48195	14.19260	0.1102072	0.21370319	2.7707375	21	7 26.5	20.6
536446 2015 DL_{132}	16.8	X	122.00739	68.86996	118.26092	14.06578	0.0559178	0.21005294	2.8027447	21	8 17.2	20.8
536447 2015 DE_{133}	16.0	X	265.68500	213.82370	99.81698	15.22044	0.0372563	0.16945471	3.2342005	21	4 18.5	20.9
536448 2015 DT_{133}	17.4	X	235.70424	102.48496	27.21306	25.49037	0.1993662	0.24364252	2.5388322	21	10 5.9	21.2
536449 2015 DD_{134}	17.6	X	168.62809	98.22508	111.23146	12.84418	0.2303841	0.23594568	2.5937495	21	11 7.9	22.3
536450 2015 DE_{135}	16.2	X	340.17312	165.24173	91.80060	13.82843	0.0821597	0.17382269	3.1797897	21	5 6.3	20.5
536451 2015 DF_{135}	16.9	X	242.95927	339.86258	120.35112	14.97458	0.2053562	0.23298400	2.6156843	21	8 31.5	20.9
536452 2015 DL_{135}	16.2	X	76.36705	80.93117	70.80787	15.97607	0.1999620	0.17871986	3.1214341	21	5 25.7	20.4
536453 2015 DO_{135}	15.9	X	74.07105	49.51609	98.33580	16.59423	0.0757935	0.17207306	3.2013080	21	5 5.7	20.5
536454 2015 DG_{137}	16.3	X	131.32906	104.96621	20.56287	13.32957	0.2358456	0.20140777	2.8823844	21	6 23.1	21.3
536455 2015 DP_{137}	17.5	X	194.08340	121.11225	76.57714	19.05352	0.1812698	0.23901001	2.5715323	21	11 16.9	21.7
536456 2015 DQ_{137}	17.3	X	177.96658	127.93536	95.42239	16.53606	0.1312809	0.23948548	2.5681275	21	12 4.4	21.3
536457 2015 DS_{138}	15.3	X	260.80558	240.96391	109.24706	16.44967	0.0814506	0.17144212	3.2091574	21	5 19.7	20.2
536458 2015 DT_{138}	15.8	X	74.64543	157.03229	13.40567	21.43436	0.1393340	0.18621512	3.0371023	21	5 31.0	20.3
536459 2015 DC_{139}	17.3	X	324.33920	29.00146	316.28602	1.37565	0.1049724	0.23054893	2.6340700	21	8 1.8	20.3
536460 2015 DN_{141}	17.0	X	248.74147	170.79767	269.95030	12.32876	0.0853891	0.24432657	2.5340912	21	8 19.8	20.7
536461 2015 DE_{142}	17.8	X	324.17425	244.64228	223.66753	6.80266	0.0478394	0.28561464	2.2835774	21	—	—
536462 2015 DN_{142}	15.9	X	17.73931	278.18923	254.65239	9.65707	0.0780069	0.17905907	3.1174908	21	3 4.6	20.1
536463 2015 DB_{143}	17.9	X	203.79351	305.41148	180.81149	6.99578	0.1692738	0.23994888	2.5648200	21	8 24.7	21.9
536464 2015 DG_{143}	17.2	X	150.23280	303.35467	162.68482	8.38267	0.1668879	0.21136204	2.7911599	21	6 12.4	21.8
536465 2015 DF_{144}	16.8	X	199.11980	217.21161	278.43112	11.24731	0.1118150	0.24095950	2.5576435	21	8 31.3	20.9
536466 2015 DL_{144}	16.6	X	175.52856	168.75041	238.98377	7.33024	0.2166482	0.20554872	2.8435412	21	4 24.4	21.6
536467 2015 DE_{145}	17.9	X	300.76671	269.20991	198.14342	6.11895	0.0933966	0.27475505	2.3433595	21	12 24.8	20.3
536468 2015 DH_{145}	16.6	X	189.77349	263.00635	157.56515	12.52528	0.1946843	0.21437829	2.7649176	21	5 24.8	21.5
536469 2015 DQ_{145}	17.5	X	202.91426	220.01731	215.62537	4.35964	0.1226835	0.22184740	2.7025049	21	6 23.1	21.8
536470 2015 DT_{146}	18.0	X	238.88750	333.76264	193.35222	4.59875	0.1630983	0.26688833	2.3891843	21	11 29.5	21.1
536471 2015 DK_{147}	16.6	X	146.80578	141.09473	261.46939	9.06681	0.0958416	0.18371950	3.0645441	21	3 13.6	21.4
536472 2015 DQ_{148}	17.4	X	163.80409	286.07172	262.24737	3.14328	0.1447901	0.24223221	2.5486770	21	10 5.0	21.4
536473 2015 DT_{148}	16.4	X	336.40281	152.97312	150.46693	15.31341	0.0894861	0.21614763	2.7498082	21	6 24.9	20.0
536474 2015 DT_{149}	17.4	X	145.88009	352.27847	154.88421	8.45828	0.1570306	0.22125868	2.7072966	21	7 27.9	21.7
536475 2015 DW_{150}	16.9	X	200.38053	270.79155	182.99828	14.04995	0.1836101	0.22488919	2.6780807	21	7 9.9	21.6
536476 2015 DE_{151}	17.0	X	311.52234	218.06190	199.43442	10.92706	0.1427398	0.25547495	2.4598228	21	10 25.1	19.2
536477 2015 DK_{151}	15.7	X	103.98032	93.94777	12.72643	13.48068	0.1268671	0.17784878	3.1316180	21	4 19.4	20.2
536478 2015 DL_{151}	16.9	X	18.75887	187.94837	105.11728	10.88045	0.1340549	0.21460547	2.7629659	21	8 28.7	20.1
536479 2015 DO_{151}	16.2	X	182.64825	340.79598	53.98786	10.09799	0.0800270	0.18297051	3.0729016	21	4 17.1	20.9
536480 2015 DM_{153}	16.9	X	227.21122	64.32662	11.21036	15.25976	0.1932887	0.21948745	2.7218421	21	7 16.5	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536481 2015 DS_{153}	17.0	X	198.36893	12.56673	146.84612	12.13010	0.1914433	0.23761882	2.5815596	21	10 3.5	21.3
536482 2015 DY_{153}	16.1	X	18.70966	205.63664	58.25566	8.11572	0.0338082	0.19953374	2.9004040	21	7 6.8	19.9
536483 2015 DS_{154}	16.2	X	39.69151	170.78885	107.05025	5.58930	0.0286842	0.21321424	2.7749718	21	8 25.9	19.8
536484 2015 DJ_{159}	17.0	X	147.08550	55.10764	132.35119	15.35936	0.0358349	0.22917780	2.6445657	21	9 19.5	20.9
536485 2015 DS_{159}	17.0	X	308.17734	289.81011	76.53106	7.12137	0.0544646	0.22305286	2.6927592	21	8 13.7	20.5
536486 2015 DP_{160}	16.5	X	114.11555	224.55094	230.78402	12.14200	0.0667413	0.18147662	3.0897424	21	4 9.2	21.0
536487 2015 DH_{161}	16.1	X	91.84104	84.37538	19.44430	15.38460	0.0478603	0.17172277	3.2056600	21	3 26.9	20.6
536488 2015 DZ_{161}	16.2	X	189.73424	318.58187	69.35993	10.44187	0.1002047	0.18294270	3.0732130	21	4 17.6	21.1
536489 2015 DD_{162}	16.7	X	277.80384	16.25599	345.59656	1.93925	0.0727046	0.20276640	2.8694945	21	6 19.5	20.6
536490 2015 DU_{163}	17.5	X	130.77009	105.43986	146.96757	11.85795	0.2461474	0.23538437	2.5978713	21	11 27.7	22.2
536491 2015 DK_{165}	17.4	X	197.98429	88.06789	28.66297	2.74444	0.1389749	0.22060328	2.7126561	21	8 10.3	21.7
536492 2015 DD_{168}	16.1	X	75.75247	232.51993	287.02514	10.18388	0.0339787	0.18876299	3.0097111	21	5 5.8	20.5
536493 2015 DY_{170}	17.0	X	275.79987	160.23262	250.99128	11.21806	0.1697983	0.24198509	2.5504118	21	8 3.8	20.6
536494 2015 DL_{173}	16.6	X	294.37370	353.67605	255.45087	16.99546	0.0533331	0.17233637	3.1980463	21	2 15.4	21.5
536495 2015 DE_{174}	16.7	X	293.87821	103.67940	261.78339	13.77453	0.1243429	0.21013429	2.8020213	21	7 6.9	20.3
536496 2015 DL_{175}	16.4	X	89.85282	196.25931	275.46116	12.53766	0.0953188	0.17003970	3.2267786	21	3 31.9	21.1
536497 2015 DG_{177}	16.8	X	173.94626	81.22659	304.25915	15.56332	0.1835613	0.19692171	2.9259954	21	3 20.0	21.9
536498 2015 DJ_{179}	16.5	X	91.31524	283.74880	193.88765	16.46236	0.0968798	0.18104951	3.0945997	21	4 16.5	20.7
536499 2015 DS_{179}	17.2	X	199.99350	223.35895	264.24770	10.39728	0.0442339	0.22918495	2.6445106	21	8 26.2	21.1
536500 2015 DC_{182}	17.9	X	163.68828	125.17371	77.60751	6.18801	0.1437415	0.24035797	2.5619090	21	10 26.4	21.9
536501 2015 DD_{188}	16.2	X	124.98192	73.11024	15.08619	14.27430	0.0758688	0.18083907	3.0970000	21	4 15.0	20.8
536502 2015 DZ_{188}	16.6	X	125.00864	17.48906	65.95453	10.04495	0.0618688	0.17725824	3.1385696	21	4 13.6	21.2
536503 2015 DA_{192}	16.1	X	318.79353	214.81397	133.29867	28.53808	0.2837285	0.21844122	2.7305260	21	7 2.3	19.4
536504 2015 DK_{193}	16.0	X	315.85581	224.84507	100.50727	25.84227	0.0863345	0.22096264	2.7097141	21	6 23.3	19.5
536505 2015 DH_{194}	16.6	X	292.27270	299.35970	59.89581	16.20180	0.1634229	0.23080736	2.6321034	21	6 19.6	20.1
536506 2015 DB_{195}	17.4	X	204.05158	41.29206	24.24030	13.57366	0.2467968	0.22369069	2.6876380	21	6 5.1	22.3
536507 2015 DB_{196}	17.1	X	181.42862	198.53617	15.43640	13.21179	0.1298981	0.26172703	2.4204921	21	11 23.9	20.9
536508 2015 DF_{196}	17.6	X	206.90411	95.94861	47.53976	9.83908	0.2060593	0.24572934	2.5244380	21	9 22.4	21.8
536509 2015 DQ_{197}	16.4	X	147.86941	225.42691	302.20169	11.45860	0.1229019	0.21638319	2.7478121	21	8 20.9	20.8
536510 2015 DQ_{200}	18.0	X	186.28350	169.24939	72.28116	2.18374	0.1460085	0.26345805	2.4098780	21	—	—
536511 2015 DM_{201}	16.1	X	23.72861	28.66446	148.94326	14.70966	0.0266371	0.17381961	3.1798273	21	3 28.0	20.6
536512 2015 DC_{203}	16.6	X	30.67038	357.61465	316.18926	14.65826	0.0553277	0.22929618	2.6436553	21	9 25.6	20.2
536513 2015 DR_{205}	17.8	X	178.16590	161.23196	59.36783	4.87990	0.0765413	0.24239700	2.5475217	21	12 2.8	21.3
536514 2015 DP_{207}	18.1	X	286.20189	126.82961	22.48708	23.13104	0.2418271	0.26925039	2.3751907	21	—	—
536515 2015 DQ_{207}	17.2	X	117.77455	95.60481	114.04564	9.14124	0.1701135	0.21128457	2.7918421	21	9 22.5	21.7
536516 2015 DC_{208}	17.0	X	163.87254	22.82106	156.96428	12.02097	0.1722237	0.22165436	2.7040738	21	9 26.3	21.4
536517 2015 DD_{208}	17.3	X	168.34851	353.90103	171.39885	19.44275	0.1575686	0.21822075	2.7323649	21	9 9.9	21.8
536518 2015 DH_{208}	16.9	X	174.19506	82.56337	145.17885	11.20367	0.1194407	0.24179768	2.5517295	21	12 6.8	21.0
536519 2015 DP_{208}	17.6	X	224.97814	20.87587	104.17144	5.90264	0.1707646	0.22902280	2.6457587	21	9 16.6	21.6
536520 2015 DD_{210}	17.1	X	196.85820	337.63871	145.82064	12.48074	0.3113326	0.22106314	2.7088929	21	8 9.5	22.1
536521 2015 DO_{210}	15.9	X	137.47475	293.01649	167.48536	18.52812	0.0689195	0.17120788	3.2120839	21	5 19.8	21.0
536522 2015 DQ_{210}	16.8	X	199.54194	357.58464	155.82500	16.80652	0.1377360	0.22485930	2.6783180	21	9 29.2	21.0
536523 2015 DY_{211}	17.2	X	128.22619	193.48924	93.91655	6.19737	0.2931206	0.23381325	2.6094960	21	—	—
536524 2015 DC_{212}	17.6	X	185.76301	126.89982	95.13686	7.24803	0.1437367	0.24288583	2.5441024	21	12 8.3	21.5
536525 2015 DK_{212}	15.8	X	167.38968	17.51516	75.57590	10.55871	0.0403539	0.18021495	3.1041463	21	6 7.7	20.2
536526 2015 DY_{213}	17.0	X	196.82818	102.89303	352.25606	12.62789	0.0566837	0.21746367	2.7387028	21	7 18.1	21.2
536527 2015 DU_{214}	16.7	X	106.88340	253.57399	342.49778	14.76851	0.1043176	0.22998150	2.6384009	21	10 1.4	20.8
536528 2015 DA_{215}	17.8	X	186.28622	94.32608	141.78897	2.78848	0.1359677	0.26003659	2.4309708	21	12 29.1	21.4
536529 2015 DC_{215}	17.3	X	225.42609	118.54740	341.59799	11.62090	0.1512133	0.22790225	2.6544241	21	8 17.4	21.3
536530 2015 DH_{215}	16.4	X	11.61338	34.85254	175.41531	15.63474	0.1439186	0.17124952	3.2115632	21	4 20.9	20.2
536531 2015 DV_{215}	20.4	X	173.19068	41.35505	13.93430	13.20026	0.4025717	0.51658882	1.5382941	21	4 21.7	22.6
536532 2015 DK_{216}	17.3	X	242.64496	125.44014	338.45611	13.02634	0.0487076	0.23376458	2.6098582	21	9 19.6	20.9
536533 2015 DN_{216}	16.5	X	134.76038	126.37606	339.88043	10.32806	0.0785215	0.18914241	3.0056848	21	5 16.9	21.1
536534 2015 DU_{216}	17.2	X	107.48409	330.39926	256.87843	1.61759	0.0916826	0.22137390	2.7063571	21	9 22.9	21.2
536535 2015 DQ_{217}	16.8	X	126.92187	254.45077	316.59308	10.29703	0.1321032	0.22209547	2.7004921	21	9 22.7	21.2
536536 2015 DV_{217}	17.4	X	180.24940	277.23279	229.42918	8.18667	0.1297184	0.22308346	2.6925130	21	8 26.4	21.8
536537 2015 DO_{218}	16.6	X	262.82549	65.87193	347.24317	24.56412	0.0582728	0.21612286	2.7500182	21	8 18.2	20.6
536538 2015 DU_{218}	16.5	X	83.63265	256.93457	274.15495	8.01109	0.0196581	0.18806277	3.0171773	21	5 31.8	20.7
536539 2015 DG_{219}	18.3	X	135.06402	14.96707	184.18550	22.72897	0.0713184	0.37788976	1.8947822	21	10 3.7	20.1
536540 2015 DX_{219}	15.9	X	303.99305	50.41877	239.14021	8.44108	0.0418983	0.17473804	3.1686754	21	4 26.2	20.2
536541 2015 DZ_{219}	17.2	X	266.82673	157.47868	294.60472	6.61649	0.1607687	0.23938893	2.5688180	21	9 18.9	20.6
536542 2015 DF_{221}	16.5	X	347.53410	77.99894	177.47154	4.15628	0.0701248	0.18671095	3.0317231	21	5 10.9	20.3
536543 2015 DR_{221}	17.1	X	113.68582	246.26398	349.79542	11.19347	0.1264142	0.22634067	2.6666191	21	10 11.6	21.3
536544 2015 DS_{221}	16.9	X	192.28924	91.50958	352.13561	5.98349	0.0240515	0.20034049	2.8926123	21	6 25.4	21.0
536545 2015 DF_{222}	17.0	X	159.58640	314.46909	162.99205	8.09831	0.1778646	0.20965908	2.8062537	21	7 4.5	21.8
536546 2015 DS_{223}	16.2	X	68.72649	139.36196	32.71872	23.35248	0.1940932	0.18213500	3.0822920	21	6 2.6	20.6
536547 2015 DH_{224}	16.3	X	84.89570	120.68645	5.00178	11.82149	0.1511312	0.18465998	3.0541301	21	4 21.6	20.5
536548 2015 DK_{227}	15.9	X	88.55285	65.03000	82.34871	27.45595	0.2207525	0.17548177	3.1597160	21	6 8.1	20.4
536549 2015 DN_{228}	17.7	X	162.59907	126.96813	119.02813	10.47842	0.1545558	0.23540480	2.5977210	21	12 14.4	21.9
536550 2015 DV_{228}	17.1	X	225.31558	122.61876	265.20395	1.95933	0.0402372	0.18930226	3.0039926	21	5 23.5	21.5
536551 2015 DW_{228}	16.9	X	52.90480	159.46013	41.96739	1.78601	0.0740961	0.18848416	3.0126786	21	6 6.2	20.7
536552 2015 DZ_{228}	16.7	X	32.00560	179.19640	40.46756	9.16474	0.0246507	0.18823203	3.0153683	21	5 25.5	20.9
536553 2015 DB_{229}	16.8	X	1.82713	39.07353	324.73657	13.55968	0.1415844	0.24175780	2.5520101	21	11 2.1	19.8
536554 2015 DC_{229}	17.0	X	333.95078	349.88066	327.41078	5.16453	0.0626428	0.20522758	2.8465068	21	7 12.6	20.6
536555 2015 DD_{229}	17.0	X	190.38149	0.85434	123.33490	10.25504	0.2029266	0.20884764	2.8135178	21	8 9.5	21.7
536556 2015 DF_{229}	16.8	X	192.62293	151.54866	349.50623	9.40265	0.1410194	0.22582261	2.6706958	21	9 4.7	20.8
536557 2015 DG_{229}	17.3	X	350.84352	331.22751	333.82627	1.26704	0.0148939	0.20311590	2.8662019	21	7 22.3	21.2
536558 2015 DH_{229}	17.4	X	357.17408	274.67233	23.41555	2.15387	0.0527260	0.20141750	2.8822916	21	7 22.1	21.1
536559 2015 DU_{229}	17.5	X	249.31205	105.64682	319.32366	2.98556	0.1528957	0.22425812	2.6831025	21	7 26.6	21.2
536560 2015 DX_{229}	16.1	X	253.50934	50.19474	291.27740	8.98534	0.0615166	0.18547024	3.0452286	21	4 22.7	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536561 2015 DB_{230}	17.8	X	199.61972	214.54437	282.31268	2.09101	0.0421781	0.22846049	2.6500983	21	9 11.4	21.6
536562 2015 DP_{230}	18.5	X	257.03147	80.41060	84.59900	4.46072	0.0203719	0.26744878	2.3858454	21	—	—
536563 2015 DR_{230}	18.1	X	164.62257	34.72507	227.86916	1.59984	0.1578294	0.25693534	2.4504931	21	—	—
536564 2015 DS_{230}	17.9	X	181.18453	199.69343	343.76181	11.69952	0.0085199	0.24359824	2.5391398	21	10 19.8	21.5
536565 2015 DX_{230}	16.4	X	253.67394	306.23339	26.30991	9.37176	0.0887087	0.18053285	3.1005011	21	4 13.4	21.0
536566 2015 DB_{231}	17.3	X	105.73474	43.23432	81.64951	1.82705	0.1210400	0.18707982	3.0277365	21	5 15.8	21.7
536567 2015 DC_{231}	16.7	X	142.84849	250.98616	197.58979	8.92206	0.0594420	0.18326457	3.0696135	21	5 7.0	21.2
536568 2015 DF_{231}	16.7	X	130.32365	241.40956	209.20215	6.02004	0.1320650	0.18062581	3.0994372	21	5 2.5	21.4
536569 2015 DH_{231}	16.9	X	297.42003	217.80518	150.35828	5.67091	0.1246872	0.20875397	2.8143593	21	7 16.9	20.4
536570 2015 DL_{231}	16.1	X	149.42901	358.73039	76.13359	17.13767	0.0747505	0.17108519	3.2136194	21	5 3.9	21.1
536571 2015 DM_{231}	18.1	X	125.39506	111.31759	130.39731	4.97752	0.1369388	0.23817242	2.5775577	21	11 6.6	22.1
536572 2015 DO_{231}	16.7	X	114.70581	100.21257	6.19000	11.85329	0.1330578	0.18213752	3.0822635	21	4 30.9	21.4
536573 2015 DP_{231}	16.0	X	332.29842	174.52091	46.10620	12.48929	0.0197381	0.16962020	3.2320967	21	3 18.6	20.7
536574 2015 DQ_{231}	15.8	X	358.32883	319.21501	265.35984	21.26693	0.1526946	0.17649709	3.1475865	21	4 2.7	20.0
536575 2015 DR_{231}	16.5	X	159.79274	236.79022	190.98548	11.73268	0.0973821	0.18603714	3.0390390	21	5 3.1	21.2
536576 2015 DT_{231}	16.4	X	139.24150	86.56260	349.80589	8.59153	0.1077405	0.17572328	3.1568202	21	4 18.9	21.2
536577 2015 DV_{231}	16.4	X	150.44031	63.79125	352.45691	9.26371	0.1457739	0.17527453	3.1622062	21	4 9.7	21.4
536578 2015 DW_{231}	15.7	X	312.25076	219.61685	124.24587	13.88077	0.2753752	0.18897258	3.0074854	21	6 14.8	19.5
536579 2015 DY_{231}	16.5	X	14.34200	144.43185	149.46264	6.70295	0.0145556	0.21282935	2.7783164	21	8 8.4	20.1
536580 2015 DZ_{231}	16.9	X	59.09955	32.35411	254.23521	11.27213	0.0571032	0.23500190	2.6006893	21	10 2.8	20.6
536581 2015 DC_{232}	15.6	X	26.18039	181.44468	89.12250	17.55832	0.0646721	0.18215377	3.0820802	21	7 29.9	19.8
536582 2015 DX_{232}	17.9	X	243.85936	320.79806	202.61501	2.90762	0.0509812	0.25500951	2.4628150	21	12 15.4	20.9
536583 2015 DF_{233}	16.5	X	150.02001	251.85182	178.15976	9.40985	0.1140617	0.18123301	3.0925105	21	4 27.5	21.3
536584 2015 DG_{233}	16.3	X	121.18754	341.67932	119.66199	15.18771	0.1824113	0.17832185	3.1260771	21	5 16.4	21.4
536585 2015 DH_{233}	16.4	X	180.58463	32.34975	2.04825	11.07052	0.0891633	0.17664688	3.1458070	21	4 10.2	21.3
536586 2015 DR_{233}	16.7	X	56.18455	306.55296	314.13275	1.40046	0.2208993	0.19312897	2.9641791	21	9 19.7	20.7
536587 2015 DX_{233}	17.0	X	123.83679	157.98573	91.47271	16.70812	0.1386930	0.23248060	2.6194588	21	11 16.8	21.3
536588 2015 DY_{233}	17.7	X	211.26919	258.32091	219.85550	14.31989	0.0911843	0.23861601	2.5743623	21	8 23.7	21.8
536589 2015 DZ_{233}	16.1	X	279.49832	52.44224	233.79342	8.01400	0.0151521	0.17265569	3.1941020	21	3 24.8	20.8
536590 2015 DA_{234}	16.7	X	183.11616	197.17450	280.54282	11.68608	0.0706511	0.21562694	2.7542332	21	7 25.8	20.8
536591 2015 DD_{234}	17.0	X	98.00453	216.02342	73.67914	9.73332	0.1301477	0.23109273	2.6299361	21	12 5.1	20.9
536592 2015 DE_{234}	17.7	X	225.27301	278.15736	209.89723	6.93117	0.1539060	0.23480069	2.6021749	21	9 18.3	21.6
536593 2015 DF_{234}	17.3	X	217.06381	36.36671	9.32130	5.92435	0.0653277	0.20142781	2.8821932	21	6 2.4	21.7
536594 2015 DG_{234}	17.2	X	22.47303	270.67705	57.91684	6.63832	0.1499800	0.23302686	2.6153635	21	10 26.9	20.1
536595 2015 DH_{234}	17.0	X	108.05164	108.71484	76.10291	5.52812	0.0417662	0.20813025	2.8199792	21	7 25.2	20.9
536596 2015 DJ_{234}	17.4	X	348.98209	243.32112	69.76569	1.14144	0.0621513	0.21415260	2.7668598	21	7 30.2	20.7
536597 2015 DK_{234}	17.2	X	324.07130	188.70151	174.99196	6.37420	0.0551282	0.22527201	2.6750458	21	8 30.7	20.5
536598 2015 DL_{234}	17.2	X	164.83940	286.03420	161.81903	2.36662	0.0894377	0.19646056	2.9305725	21	5 31.2	21.6
536599 2015 DM_{234}	17.7	X	140.43730	106.67768	120.66981	3.69337	0.0864139	0.23904892	2.5712532	21	11 1.9	21.6
536600 2015 DN_{234}	17.1	X	271.63693	76.16840	319.90957	4.46793	0.0368816	0.21447636	2.7640746	21	8 2.2	20.8
536601 2015 DO_{234}	17.1	X	230.41828	109.51220	331.84186	4.00125	0.0201209	0.21612364	2.7500116	21	8 10.9	20.9
536602 2015 DR_{234}	17.3	X	38.86394	323.60089	323.42295	2.72113	0.0696485	0.21658376	2.7461154	21	9 9.2	20.8
536603 2015 DT_{234}	17.1	X	78.42676	290.57400	3.46025	4.35110	0.1433209	0.23157874	2.6262552	21	11 20.3	21.0
536604 2015 DW_{234}	17.0	X	272.62891	17.19278	351.15038	1.34898	0.0760942	0.20226728	2.8742131	21	6 20.8	21.0
536605 2015 DX_{234}	15.9	X	269.19635	210.51250	123.78386	15.32869	0.0763941	0.17087448	3.2162607	21	5 11.1	20.8
536606 2015 DY_{234}	17.5	X	155.33227	329.21179	200.14353	3.36012	0.0334722	0.22143854	2.7058304	21	8 30.6	21.3
536607 2015 DA_{235}	16.1	X	136.05415	268.56951	203.52319	11.15422	0.0881612	0.19468622	2.9483514	21	5 30.8	20.6
536608 2015 DB_{235}	16.8	X	340.78621	43.87394	269.57571	2.52502	0.0851126	0.20854864	2.8162064	21	7 15.7	20.0
536609 2015 DD_{235}	17.1	X	37.95034	336.67521	315.22030	5.05262	0.0912268	0.21975748	2.7196119	21	9 16.5	20.5
536610 2015 DO_{235}	16.8	X	84.95217	61.70970	88.34687	4.43004	0.0304832	0.18713360	3.0271564	21	5 9.4	20.9
536611 2015 DW_{235}	17.7	X	127.34064	213.97555	33.02165	8.96296	0.0669521	0.24352057	2.5396797	21	11 9.7	21.4
536612 2015 DY_{235}	17.4	X	159.89285	199.69026	65.07329	7.14284	0.1187068	0.26146438	2.4221128	21	—	—
536613 2015 DB_{236}	16.3	X	261.70410	185.11723	124.46459	5.29164	0.0971067	0.17323543	3.1869719	21	3 27.1	21.0
536614 2015 DC_{236}	17.8	X	152.34943	144.89006	109.39005	7.95023	0.0802885	0.25630367	2.4545177	21	12 19.6	21.4
536615 2015 DE_{236}	17.0	X	239.31692	352.89776	75.05395	6.85448	0.0356621	0.21712435	2.7415554	21	8 3.9	20.9
536616 2015 DK_{236}	18.2	X	168.46241	95.25599	141.54367	2.91830	0.1655741	0.25335255	2.4735414	21	12 10.1	22.2
536617 2015 DQ_{236}	16.5	X	231.99008	44.10260	323.25456	9.27773	0.1161928	0.19096284	2.9865524	21	4 25.3	21.4
536618 2015 DR_{236}	17.3	X	317.24558	206.23704	168.35184	14.23965	0.0689159	0.22948861	2.6421773	21	9 3.8	20.3
536619 2015 DU_{236}	17.9	X	183.77529	193.18827	317.28225	4.19711	0.0902218	0.22863787	2.6487275	21	9 7.9	21.8
536620 2015 DY_{236}	18.4	X	210.28838	193.62342	356.93004	1.87813	0.1645003	0.25347426	2.4727496	21	11 22.9	21.9
536621 2015 DH_{237}	17.0	X	354.84226	203.61553	154.20676	15.18722	0.1921931	0.23726912	2.5840956	21	10 27.5	19.7
536622 2015 DN_{237}	17.3	X	226.67762	77.44588	21.78414	6.79280	0.0503453	0.22528782	2.6749207	21	8 29.2	21.0
536623 2015 DO_{237}	17.2	X	275.62197	249.15173	153.91271	14.01236	0.1257245	0.22449376	2.6812247	21	8 2.0	20.9
536624 2015 DR_{237}	17.4	X	106.11158	103.96672	166.45986	14.19296	0.1367834	0.24046451	2.5611522	21	11 24.3	21.6
536625 2015 DF_{238}	17.1	X	130.23470	207.96510	346.03505	13.21500	0.1217644	0.21704822	2.7421964	21	9 8.4	21.3
536626 2015 DG_{238}	16.3	X	152.12380	187.04303	201.82209	7.06329	0.0543534	0.15638114	3.4120322	21	3 5.5	21.5
536627 2015 DH_{238}	16.7	X	135.38748	176.57101	262.77053	3.00308	0.1185016	0.17572192	3.1568365	21	4 21.6	21.5
536628 2015 DM_{238}	17.5	X	164.34490	327.17025	217.95658	1.34341	0.1367017	0.22935075	2.6432360	21	10 1.7	21.8
536629 2015 DF_{239}	17.3	X	166.24084	96.00259	343.91764	1.58086	0.0733985	0.18932800	3.0037202	21	5 21.4	21.8
536630 2015 DZ_{239}	17.6	X	180.20773	287.64734	151.45103	2.49849	0.0396915	0.20349654	2.8626266	21	6 4.6	21.8
536631 2015 DD_{240}	16.7	X	310.80401	229.13883	42.83560	9.14117	0.0252047	0.17653856	3.1470937	21	4 17.6	21.0
536632 2015 DE_{240}	17.2	X	284.26135	323.74083	140.50302	14.90199	0.0970907	0.25340228	2.4732178	21	11 22.0	20.4
536633 2015 DJ_{240}	16.9	X	306.21451	263.56724	105.43983	12.60527	0.0790625	0.21410530	2.7672672	21	8 10.1	20.4
536634 2015 DQ_{240}	16.8	X	183.86996	30.33946	23.88581	5.85688	0.0922909	0.19220980	2.9736215	21	5 7.9	21.3
536635 2015 DS_{240}	16.6	X	227.57810	192.64887	139.12316	11.25743	0.0669568	0.16894080	3.2407561	21	3 21.1	21.5
536636 2015 DU_{240}	17.5	X	258.06307	301.49311	145.22654	14.41659	0.0517522	0.23506372	2.6002333	21	9 23.4	21.0
536637 2015 DW_{240}	16.5	X	123.65187	5.46833	112.67559	12.10415	0.0550883	0.19047802	2.9916180	21	5 22.9	20.9
536638 2015 DZ_{240}	17.3	X	104.71357	100.27511	143.03333	15.33251	0.0615773	0.24111068	2.5565743	21	10 15.5	21.1
536639 2015 DM_{241}	17.2	X	197.69389	6.86145	122.77366	13.17662	0.0564092	0.22269753	2.6956227	21	9 2.3	21.2
536640 2015 DO_{241}	15.8	X	174.81103	25.27424	69.56458	12.14660	0.0121361	0.19373608	2.9579832	21	6 17.2	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536641 2015 DS_{241}	16.7	X	196.90037	96.71606	26.41879	25.93882	0.0838826	0.21906462	2.7253433	21	9 3.7	21.3
536642 2015 DU_{241}	16.2	X	134.81918	41.98931	84.61658	12.50211	0.0495276	0.19026272	2.9938744	21	6 12.5	20.5
536643 2015 DF_{242}	17.6	X	143.85505	202.99731	12.93627	10.39474	0.0448561	0.23423254	2.6063810	21	10 17.7	21.3
536644 2015 DM_{242}	17.1	X	126.96940	164.88596	123.02191	15.95950	0.1231382	0.23955533	2.5676283	21	—	—
536645 2015 DB_{243}	18.0	X	178.01488	26.40964	230.58700	9.91653	0.0774413	0.27655883	2.3331591	21	—	—
536646 2015 DH_{243}	16.6	X	161.80602	103.26623	304.63793	11.07053	0.1620416	0.18222338	3.0812953	21	4 7.7	21.8
536647 2015 DM_{243}	16.6	X	266.98546	60.80930	245.39855	14.71775	0.0431256	0.17208137	3.2012050	21	3 28.1	21.4
536648 2015 DC_{244}	17.3	X	217.08908	204.34451	282.80412	8.70441	0.1502040	0.23834907	2.5762841	21	9 6.4	21.4
536649 2015 DE_{244}	16.5	X	150.18899	168.29701	280.47757	9.07277	0.1022048	0.18991638	2.9975132	21	5 15.9	21.3
536650 2015 DJ_{244}	17.8	X	163.07441	34.66075	221.58158	10.74677	0.1286930	0.25474394	2.4645264	21	12 29.2	21.7
536651 2015 DK_{244}	16.9	X	95.69658	277.73491	300.74203	13.63812	0.1016660	0.21357274	2.7718656	21	8 25.4	21.0
536652 2015 DN_{244}	16.3	X	339.94688	4.05579	246.74519	16.77495	0.0146764	0.17486542	3.1671363	21	4 26.1	20.8
536653 2015 DQ_{244}	17.2	X	139.72752	282.91096	285.22226	11.67980	0.1445873	0.22355503	2.6887252	21	9 30.5	21.8
536654 2015 DW_{244}	17.5	X	245.96208	309.19495	157.47402	13.21953	0.1122026	0.22796655	2.6539249	21	9 22.9	21.2
536655 2015 DK_{245}	16.4	X	240.49185	280.07440	114.71470	11.86355	0.0922077	0.18732547	3.0250890	21	6 15.3	20.9
536656 2015 DM_{245}	17.0	X	107.80296	259.03548	217.22425	10.03583	0.0667808	0.18310647	3.0713803	21	4 30.0	21.3
536657 2015 DV_{245}	17.5	X	221.33314	292.86378	180.27133	7.47582	0.1570697	0.23196240	2.6233586	21	8 25.9	21.5
536658 2015 DX_{245}	17.1	X	25.49875	118.58548	172.05344	3.35992	0.0648321	0.21377983	2.7700752	21	8 24.5	20.4
536659 2015 DB_{246}	17.9	X	149.43344	65.84269	211.32219	1.43968	0.1476962	0.25877193	2.4388847	21	—	—
536660 2015 DJ_{246}	16.9	X	67.77339	266.87386	324.78959	3.45973	0.0699269	0.19207986	2.9749625	21	8 6.3	20.8
536661 2015 DS_{246}	17.3	X	144.31924	359.78920	198.33534	13.16538	0.1836505	0.22448207	2.6813177	21	9 28.9	21.8
536662 2015 DT_{246}	17.4	X	157.24267	248.91966	312.86656	5.73514	0.1773110	0.23134729	2.6280065	21	10 13.2	21.8
536663 2015 DW_{246}	17.7	X	220.97710	206.75358	294.07920	4.06813	0.1570039	0.23729615	2.5838993	21	9 29.5	21.7
536664 2015 DX_{246}	16.2	X	74.87024	301.34358	226.40358	15.54977	0.2077198	0.17610092	3.1523055	21	6 13.3	20.6
536665 2015 DB_{247}	16.9	X	136.17953	133.83682	19.27229	12.60327	0.0830422	0.20380623	2.8597260	21	7 25.2	21.4
536666 2015 DD_{247}	16.0	X	306.14690	240.88202	35.03246	18.15294	0.0729884	0.18055230	3.1002785	21	4 11.5	20.3
536667 2015 DF_{247}	17.5	X	209.28284	211.95428	304.09641	4.62819	0.0539581	0.23626604	2.5914043	21	10 16.6	21.1
536668 2015 DJ_{247}	16.9	X	156.52703	256.86787	192.44945	13.84892	0.1634732	0.19172641	2.9786177	21	5 29.4	21.9
536669 2015 DK_{247}	17.4	X	290.79886	223.09080	186.45191	10.09335	0.1191918	0.23055354	2.6340349	21	9 3.3	20.5
536670 2015 DP_{247}	17.9	X	217.36393	329.34064	176.95572	2.57354	0.0705533	0.23663498	2.5887101	21	10 14.8	21.3
536671 2015 DE_{248}	17.4	X	44.84445	292.33174	25.18645	3.91654	0.0916548	0.23329395	2.6133669	21	11 3.1	20.6
536672 2015 DF_{248}	17.6	X	13.72487	175.85580	194.54059	6.86820	0.0623582	0.24691201	2.5163704	21	11 29.3	20.7
536673 2015 DC_{250}	17.9	X	135.91280	52.14821	226.96206	1.85110	0.1785442	0.25557773	2.4591633	21	—	—
536674 2015 DE_{250}	16.9	X	314.08924	248.73203	98.91454	8.54698	0.1227415	0.21127337	2.7919408	21	7 16.0	20.1
536675 2015 DJ_{250}	16.2	X	282.42660	296.37340	10.37540	4.34440	0.1502092	0.16922433	3.2371352	21	4 6.9	20.7
536676 2015 DK_{250}	17.9	X	43.92091	15.87029	41.98203	3.72833	0.1449434	0.28455758	2.2892292	21	—	—
536677 2015 DM_{250}	17.4	X	241.86752	19.66272	94.61984	8.57264	0.0903408	0.24083595	2.5585182	21	10 5.3	21.0
536678 2015 DS_{250}	16.3	X	117.40459	4.45792	125.38131	11.22737	0.0237594	0.19279865	2.9675638	21	5 25.6	20.7
536679 2015 DV_{250}	16.3	X	138.12788	239.63064	197.94339	11.30450	0.0609738	0.18426524	3.0584903	21	4 17.4	20.6
536680 2015 DW_{250}	17.3	X	164.39453	333.94094	188.79113	8.60689	0.0866983	0.22667562	2.6639916	21	9 2.0	21.4
536681 2015 DY_{250}	16.7	X	300.02401	61.33806	250.58005	6.94462	0.0086757	0.18905911	3.0065676	21	5 24.2	20.9
536682 2015 EB_{1}	16.5	X	222.66409	351.68966	356.41463	15.56457	0.0011382	0.17721483	3.1390821	21	4 1.1	21.0
536683 2015 EW_{1}	17.1	X	170.46150	293.43635	161.12170	15.06408	0.1500822	0.20657903	2.8340786	21	6 16.8	21.9
536684 2015 EU_{2}	17.5	X	174.86766	342.65504	150.38289	14.22270	0.1907416	0.22419086	2.6836392	21	8 6.4	22.0
536685 2015 EA_{3}	18.3	X	245.23368	162.04854	13.21185	3.02655	0.1299504	0.26813458	2.3817755	21	12 23.9	21.0
536686 2015 EE_{3}	17.8	X	134.83498	241.07119	318.07241	3.01641	0.1265070	0.22788651	2.6545463	21	9 19.5	21.9
536687 2015 EG_{3}	16.3	X	78.40045	346.75322	152.93280	11.15177	0.0701422	0.18326543	3.0696040	21	4 26.1	20.6
536688 2015 EN_{3}	18.5	X	272.21247	59.98254	65.90585	11.07550	0.1924772	0.26298635	2.4127588	21	11 16.8	21.0
536689 2015 ED_{4}	17.3	X	172.31159	153.09673	344.23266	12.98193	0.1922155	0.22249862	2.6972291	21	8 13.4	21.9
536690 2015 EE_{4}	17.5	X	207.70357	316.08355	164.63468	4.53202	0.1810227	0.23244577	2.6197205	21	8 21.2	21.7
536691 2015 EG_{5}	16.7	X	86.18540	357.79097	143.88413	10.40902	0.1085190	0.18384563	3.0631424	21	5 14.3	21.1
536692 2015 EB_{6}	16.4	X	86.25624	145.99039	339.10107	11.10617	0.0403536	0.17997242	3.1069344	21	4 5.9	20.9
536693 2015 EK_{8}	17.9	X	227.12610	120.68849	340.80221	23.55142	0.2101892	0.23657494	2.5891481	21	8 18.9	22.1
536694 2015 EU_{10}	18.1	X	192.16021	27.52078	121.52174	3.08112	0.1177559	0.23822347	2.5771895	21	9 16.8	21.9
536695 2015 ED_{12}	16.3	X	356.71796	236.65155	19.85348	7.83432	0.0603149	0.19925811	2.9030780	21	5 22.9	20.1
536696 2015 EG_{12}	16.5	X	54.95378	109.39418	46.18175	5.54743	0.0604447	0.18279290	3.0748918	21	4 10.7	20.5
536697 2015 EQ_{13}	16.3	X	329.15019	236.58949	349.11678	13.56423	0.1016077	0.17102153	3.2144169	21	3 5.5	20.6
536698 2015 EH_{15}	17.7	X	176.97931	51.38474	83.51779	5.19082	0.1829186	0.22604878	2.6689142	21	8 13.1	22.2
536699 2015 ET_{16}	17.2	X	72.07829	193.32371	101.54182	8.97495	0.1656934	0.24479551	2.5308540	21	11 22.3	20.9
536700 2015 EM_{17}	17.6	X	168.78874	189.61794	37.76503	6.27679	0.0653298	0.25817420	2.4426476	21	12 3.7	21.0
536701 2015 EY_{17}	17.7	X	279.11729	50.24801	85.88653	7.00780	0.0801259	0.27008396	2.3703011	21	12 29.6	20.3
536702 2015 EA_{18}	16.1	X	299.34473	269.85204	8.84593	11.48259	0.0547640	0.18267232	3.0762448	21	4 4.3	20.4
536703 2015 EG_{19}	18.3	X	194.92481	199.34230	3.01698	6.11502	0.0898436	0.25801614	2.4436451	21	11 28.7	21.8
536704 2015 EQ_{20}	17.3	X	138.18419	220.63451	337.69700	14.99815	0.0852750	0.23138160	2.6277467	21	9 17.7	21.3
536705 2015 EL_{22}	15.8	X	172.68144	223.27240	160.36668	27.31044	0.0966088	0.17633995	3.1494563	21	3 25.5	20.8
536706 2015 EM_{22}	17.6	X	214.40441	192.47361	264.24105	1.12511	0.1705547	0.22820432	2.6520812	21	7 28.8	21.7
536707 2015 EO_{24}	17.7	X	51.44233	5.52829	21.39545	3.49983	0.1628874	0.28299890	2.2976271	21	—	—
536708 2015 EA_{29}	17.3	X	121.93372	262.32460	341.81447	11.70115	0.1464893	0.23702840	2.5858448	21	10 30.7	21.6
536709 2015 EY_{30}	17.1	X	181.00985	47.73450	11.99738	9.50426	0.0411445	0.19248358	2.9708012	21	5 9.2	21.5
536710 2015 ED_{32}	17.4	X	171.15208	182.68462	51.34151	3.48230	0.1480324	0.25375701	2.4709124	21	12 9.6	21.3
536711 2015 EZ_{32}	16.5	X	343.21376	198.21571	132.80334	7.30741	0.0365861	0.22000827	2.7175448	21	8 16.3	19.8
536712 2015 ES_{33}	17.8	X	297.95991	58.20441	28.39863	7.18758	0.1250669	0.25718371	2.4489152	21	11 11.5	20.4
536713 2015 EL_{37}	17.1	X	193.27511	70.21199	358.86512	7.23501	0.2176394	0.20944903	2.8081296	21	6 3.0	22.1
536714 2015 EH_{41}	18.1	X	179.19038	46.00002	208.77412	4.25615	0.0999961	0.27034151	2.3687955	21	—	—
536715 2015 EC_{43}	15.7	X	9.42938	281.39425	314.79628	9.86208	0.0647314	0.19025675	2.9939371	21	5 14.2	19.8
536716 2015 EP_{46}	17.3	X	313.99615	221.40164	166.39833	15.66810	0.1637936	0.23813623	2.5778189	21	9 8.8	19.8
536717 2015 EU_{49}	16.5	X	80.72236	207.16046	319.36891	9.53970	0.0579438	0.19091479	2.9870535	21	5 25.9	20.8
536718 2015 EU_{52}	17.7	X	294.63947	212.25348	261.32871	5.49860	0.0715365	0.26489750	2.4011400	21	12 22.1	20.1
536719 2015 EW_{57}	16.3	X	63.86473	95.53387	64.81790	16.74175	0.1889148	0.17716129	3.1397145	21	5 17.8	20.2
536720 2015 EH_{58}	15.7	X	329.51695	183.96624	78.84442	22.62366	0.0991352	0.17201162	3.2020702	21	5 1.0	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536721 2015 EM_{62}	16.1	X	61.18280	275.34653	251.19033	4.09136	0.0981857	0.17809253	3.1287600	21	5 6.7	20.1
536722 2015 EO_{62}	17.4	X	258.15891	228.00420	242.94905	5.17677	0.1775128	0.24645438	2.5194845	21	10 2.4	20.9
536723 2015 EQ_{63}	16.4	X	99.92086	46.78818	106.61978	6.75314	0.1692440	0.19016304	2.9949206	21	6 20.5	20.8
536724 2015 EH_{64}	16.8	X	188.74406	113.81685	31.05437	13.67582	0.1516191	0.22520448	2.6755806	21	9 10.9	21.2
536725 2015 EM_{64}	16.8	X	141.39286	13.54544	108.91388	9.08354	0.2434593	0.19987256	2.8971252	21	6 28.8	21.7
536726 2015 EN_{64}	16.6	X	262.60685	54.22841	41.08997	12.53457	0.2531837	0.24362261	2.5389705	21	9 14.3	20.2
536727 2015 EA_{65}	16.4	X	71.21504	337.62776	182.57168	15.69821	0.2170813	0.17800343	3.1298040	21	6 2.1	20.8
536728 2015 EV_{65}	18.5	X	202.02113	151.90915	50.75554	2.79468	0.1695515	0.25979828	2.4324572	21	11 30.2	22.2
536729 2015 EE_{68}	17.3	X	290.87679	225.71539	161.78814	3.68133	0.0937423	0.22916223	2.6446854	21	8 8.6	20.6
536730 2015 EJ_{68}	18.1	X	185.42970	296.50201	304.86976	0.71152	0.1475633	0.26458273	2.4030440	21	—	—
536731 2015 EW_{68}	18.1	X	219.44607	115.80727	4.48792	9.47974	0.1566929	0.23835699	2.5762269	21	9 6.3	22.0
536732 2015 EM_{69}	17.5	X	264.45959	242.29954	159.97578	5.00189	0.1249997	0.22435494	2.6823305	21	7 17.6	21.2
536733 2015 EW_{69}	16.8	X	259.68334	259.97573	84.23197	3.43064	0.0900236	0.19226133	2.9730902	21	5 4.2	21.2
536734 2015 EF_{75}	18.0	X	141.63760	108.09264	169.95023	4.17227	0.0527552	0.26498101	2.4006355	21	—	—
536735 2015 EH_{75}	17.1	X	194.18454	235.49191	158.15616	10.33323	0.1151074	0.18928879	3.0041351	21	4 27.5	21.9
536736 2015 FT_{1}	17.3	X	195.41654	89.25389	16.07789	8.54733	0.1617581	0.22645757	2.6657013	21	7 25.1	21.7
536737 2015 FC_{2}	17.1	X	209.93009	123.37954	14.90203	15.32500	0.0546317	0.24209277	2.5496555	21	9 29.2	20.6
536738 2015 FG_{2}	16.1	X	159.24026	316.10909	88.34542	13.65542	0.1064082	0.18418253	3.0594059	21	4 10.3	21.0
536739 2015 FK_{2}	17.2	X	145.37271	102.27446	87.82240	11.49394	0.1158368	0.23167664	2.6255153	21	9 26.0	21.4
536740 2015 FL_{3}	17.7	X	179.46462	223.28950	13.57529	14.69575	0.0420533	0.26766204	2.3845779	21	—	—
536741 2015 FD_{4}	17.6	X	214.02543	34.47898	56.41582	14.58964	0.2211818	0.23456025	2.6039528	21	7 20.5	22.2
536742 2015 FP_{4}	16.5	X	241.64854	13.90730	23.85745	13.61738	0.1299728	0.22408402	2.6844921	21	6 12.6	20.8
536743 2015 FY_{5}	17.5	X	159.67313	38.06250	62.27158	10.98153	0.2365530	0.21385634	2.7694145	21	6 15.2	22.2
536744 2015 FM_{6}	16.7	X	327.56261	266.29287	329.22467	8.67405	0.0434093	0.18320895	3.0702348	21	3 17.5	20.9
536745 2015 FX_{6}	18.0	X	293.65470	273.48277	170.86289	4.55211	0.1672995	0.26443182	2.4039582	21	10 30.4	20.3
536746 2015 FU_{11}	16.7	X	61.81398	220.72814	104.60058	9.23965	0.1468270	0.23880758	2.5729853	21	12 14.3	20.3
536747 2015 FG_{14}	16.7	X	148.27325	16.70701	97.36324	12.58279	0.0720207	0.19244936	2.9711534	21	6 14.5	21.2
536748 2015 FR_{15}	17.4	X	143.97393	238.25024	63.58838	16.61395	0.2166924	0.25819040	2.4425454	21	—	—
536749 2015 FY_{15}	16.0	X	51.68054	115.63782	86.03401	15.42497	0.1519663	0.18358931	3.0659928	21	6 15.8	19.6
536750 2015 FP_{18}	16.2	X	75.42951	80.10776	74.78211	12.87493	0.0973117	0.17683849	3.1435341	21	5 14.6	20.5
536751 2015 FR_{18}	16.1	X	119.89147	76.91174	52.81325	15.08716	0.0812956	0.18583548	3.0412372	21	5 31.7	20.6
536752 2015 FP_{19}	17.2	X	167.61435	115.29191	55.59888	13.95453	0.2064695	0.22431818	2.6826236	21	9 23.9	22.0
536753 2015 FU_{20}	15.9	X	75.12671	86.86682	70.80397	16.84780	0.1825519	0.17869136	3.1217659	21	5 28.7	20.0
536754 2015 FT_{21}	17.7	X	185.32911	85.58706	108.98762	12.42677	0.1471795	0.24039183	2.5616684	21	11 8.2	21.9
536755 2015 FL_{23}	15.9	X	144.30665	8.58507	116.90211	11.57082	0.0926682	0.19492681	2.9459249	21	6 25.8	20.3
536756 2015 FU_{23}	16.3	X	290.42763	223.00754	90.49515	14.33933	0.0087593	0.17818998	3.1276192	21	5 18.3	20.8
536757 2015 FG_{39}	17.5	X	165.36378	210.66697	24.68621	5.46082	0.2145276	0.23900817	2.5715455	21	11 30.9	22.0
536758 2015 FR_{40}	17.6	X	262.00265	109.41438	13.69712	8.91028	0.1714120	0.24480710	2.5307740	21	10 25.2	20.7
536759 2015 FW_{40}	17.2	X	174.82915	338.42940	203.95820	13.57734	0.1320184	0.22642028	2.6659940	21	10 7.7	21.4
536760 2015 FV_{41}	17.7	X	155.10255	206.42450	49.80211	6.88437	0.1567096	0.24211440	2.5495036	21	12 19.5	21.9
536761 2015 FX_{41}	15.9	X	274.38185	301.85958	50.35092	10.04888	0.1237126	0.17912954	3.1166731	21	5 26.1	20.3
536762 2015 FE_{43}	17.1	X	106.71378	105.13340	198.37514	8.97655	0.1425620	0.23697288	2.5862487	21	12 30.9	21.3
536763 2015 FG_{43}	16.0	X	252.22088	237.66221	202.07954	17.25300	0.0857926	0.21200758	2.7854912	21	8 22.1	20.3
536764 2015 FH_{43}	16.6	X	152.30743	41.15872	63.47246	6.57411	0.1722533	0.18478785	3.0527209	21	6 12.3	21.6
536765 2015 FG_{50}	16.8	X	114.45760	329.80513	257.76045	3.44047	0.0779368	0.23343350	2.6123253	21	9 30.2	20.6
536766 2015 FP_{52}	16.8	X	200.70173	229.90127	254.57577	10.68063	0.1003170	0.23897391	2.5717913	21	8 19.7	20.9
536767 2015 FO_{54}	16.5	X	251.91543	195.24937	258.77733	14.03627	0.0394476	0.24042367	2.5614422	21	9 16.2	20.2
536768 2015 FD_{55}	17.1	X	121.78470	335.51177	252.47361	11.84466	0.2628202	0.22967925	2.6407151	21	10 17.7	21.9
536769 2015 FA_{56}	16.8	X	76.44176	257.98598	221.27718	12.84208	0.0837572	0.17676944	3.1443527	21	3 24.4	21.2
536770 2015 FF_{60}	16.3	X	121.03266	339.49538	229.24295	10.49927	0.0684388	0.22862741	2.6488083	21	9 9.4	20.3
536771 2015 FV_{61}	18.2	X	225.82138	308.87718	233.49048	8.06376	0.0209909	0.26313605	2.4118436	21	12 22.3	21.2
536772 2015 FM_{64}	15.8	X	53.09547	256.95711	277.64505	14.72898	0.1910216	0.17863350	3.1224401	21	5 16.4	19.7
536773 2015 FR_{64}	16.7	X	148.96390	324.82973	272.11995	14.21390	0.0665682	0.24407957	2.5358006	21	11 20.9	20.6
536774 2015 FU_{65}	16.8	X	188.02451	235.05109	274.12084	11.71501	0.1323466	0.22724708	2.6595235	21	9 3.7	21.2
536775 2015 FY_{65}	17.0	X	133.57191	1.84659	257.85508	11.50766	0.1457959	0.24165461	2.5527365	21	12 4.7	20.9
536776 2015 FB_{66}	17.1	X	99.46084	320.41145	307.41205	13.14859	0.2341215	0.22621347	2.6676186	21	11 13.8	21.7
536777 2015 FC_{66}	16.9	X	190.56706	237.15486	259.84047	10.24270	0.1276905	0.22424367	2.6832178	21	8 23.1	21.4
536778 2015 FA_{70}	17.4	X	193.97873	61.60735	121.95742	14.28530	0.2083884	0.23725325	2.5842108	21	10 30.8	21.9
536779 2015 FD_{73}	17.3	X	142.24374	153.42717	37.49068	8.73826	0.1358770	0.21535389	2.7565607	21	9 20.7	21.7
536780 2015 FH_{73}	16.9	X	115.49364	304.39409	190.74491	8.46272	0.2584511	0.18864012	3.0110179	21	6 23.2	21.9
536781 2015 FK_{76}	17.3	X	101.94175	116.39267	182.76667	6.85679	0.1193082	0.23508821	2.6000527	21	12 20.3	21.4
536782 2015 FL_{77}	16.9	X	113.64672	247.15148	47.84671	16.93162	0.2263680	0.23319429	2.6141115	21	12 30.2	21.6
536783 2015 FJ_{79}	16.1	X	224.03326	113.66285	219.74489	15.33100	0.0480574	0.17228792	3.1986459	21	3 12.7	21.1
536784 2015 FL_{79}	16.4	X	151.36452	147.57622	276.22779	11.49752	0.1092769	0.18560946	3.0437057	21	4 13.9	21.3
536785 2015 FV_{82}	16.4	X	326.64121	39.05220	314.45806	22.02292	0.1094368	0.22421101	2.6834783	21	8 14.4	19.3
536786 2015 FE_{91}	17.5	X	136.80064	357.17826	209.67371	5.90430	0.2140707	0.22653861	2.6650655	21	10 4.5	21.9
536787 2015 FA_{95}	17.2	X	262.48069	92.87253	343.61803	21.66446	0.0863584	0.22719232	2.6599509	21	9 6.1	20.6
536788 2015 FP_{95}	17.2	X	225.77382	145.95050	352.47893	29.28331	0.1037053	0.23819926	2.5773641	21	9 30.8	21.2
536789 2015 FQ_{97}	17.3	X	203.10563	229.50828	299.48083	5.52216	0.2006551	0.24133017	2.5550239	21	10 13.1	21.4
536790 2015 FR_{98}	18.2	X	188.19523	305.26874	303.47923	5.89178	0.1173343	0.26165528	2.4209345	21	—	—
536791 2015 FB_{101}	18.1	X	190.92634	359.81119	241.82348	5.80354	0.0872343	0.26079980	2.4262258	21	—	—
536792 2015 FK_{101}	16.7	X	162.19080	136.02469	314.86058	8.13051	0.1658326	0.19352787	2.9601044	21	6 3.4	21.7
536793 2015 FB_{108}	17.6	X	195.09442	166.86690	350.16619	12.99907	0.1840052	0.23205374	2.6226701	21	9 22.7	22.0
536794 2015 FD_{111}	17.5	X	164.06204	324.45749	245.47284	3.14933	0.1807130	0.23410252	2.6073460	21	10 31.3	21.9
536795 2015 FU_{115}	17.1	X	173.73108	175.03356	0.74747	17.54870	0.1019379	0.22965301	2.6409162	21	9 28.9	21.1
536796 2015 FK_{116}	17.8	X	190.35084	4.06916	249.98886	1.33825	0.1712149	0.26293488	2.4130737	21	—	—
536797 2015 FR_{122}	17.6	X	153.75260	11.63451	187.79920	7.09146	0.1951218	0.22925607	2.6439637	21	10 10.5	22.1
536798 2015 FD_{124}	17.2	X	120.22135	55.46094	173.66901	13.18641	0.2061283	0.22245300	2.6975979	21	10 19.9	21.7
536799 2015 FT_{131}	16.2	X	108.24605	103.68624	92.79589	15.72820	0.0648240	0.21998476	2.7177384	21	8 16.3	20.2
536800 2015 FS_{133}	17.4	X	128.07283	296.81743	303.67731	13.35208	0.1417933	0.23668484	2.5883466	21	10 31.4	21.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536801 2015 FD_{135}	17.2	X	148.82503	26.24457	198.15221	10.58972	0.0735502	0.23787373	2.5797150	21	11 6.6	21.0
536802 2015 FU_{135}	16.1	X	210.79579	50.68845	323.52826	8.65799	0.1001942	0.17743624	3.1364703	21	4 14.3	21.2
536803 2015 FP_{136}	16.0	X	73.72411	111.46812	35.95580	27.46376	0.2363228	0.17587522	3.1550019	21	5 14.9	20.4
536804 2015 FU_{139}	17.7	X	159.70332	250.53384	47.27926	3.32208	0.1978834	0.26364946	2.4087116	21	—	—
536805 2015 FE_{140}	17.3	X	262.01580	283.89055	169.23665	5.42079	0.0441242	0.23074097	2.6326083	21	10 5.7	20.6
536806 2015 FF_{144}	17.1	X	196.98976	75.09745	44.37831	5.24077	0.0210920	0.21181024	2.7872211	21	8 20.2	21.0
536807 2015 FW_{144}	17.9	X	99.37987	193.91199	137.83949	1.95680	0.1878877	0.25370182	2.4712707	21	—	—
536808 2015 FY_{147}	17.7	X	245.71619	85.07729	26.04269	11.55793	0.1506830	0.23625437	2.5914897	21	9 25.5	21.3
536809 2015 FA_{150}	17.1	X	320.02987	236.67047	180.21493	22.10632	0.0445497	0.23813697	2.5778135	21	11 11.9	20.6
536810 2015 FK_{150}	17.3	X	93.43753	118.06840	141.34492	6.15528	0.1045522	0.22179375	2.7029407	21	10 22.6	21.3
536811 2015 FU_{151}	17.7	X	192.51059	169.11893	13.36789	10.98732	0.1083657	0.23762797	2.5814934	21	10 26.5	21.6
536812 2015 FU_{154}	17.1	X	93.66064	234.76721	37.43644	7.16523	0.2590005	0.21961855	2.7207588	21	11 18.0	21.6
536813 2015 FH_{156}	17.2	X	151.07211	55.04279	112.19161	4.77172	0.0312657	0.21139172	2.7908987	21	8 24.3	21.1
536814 2015 FU_{158}	17.6	X	219.41716	147.78084	73.05208	5.11673	0.1388069	0.26097211	2.4251577	21	—	—
536815 2015 FU_{165}	17.2	X	79.01919	209.99209	72.61399	3.57967	0.0721749	0.22400022	2.6851615	21	10 29.9	20.9
536816 2015 FF_{168}	17.7	X	126.94680	108.22340	131.82876	2.00621	0.0329590	0.22963662	2.6410419	21	10 29.6	21.4
536817 2015 FG_{171}	17.0	X	213.51366	300.80018	171.95343	13.19620	0.2184931	0.22434119	2.6824401	21	8 12.3	21.6
536818 2015 FH_{171}	17.5	X	198.53193	16.19084	94.66680	4.80946	0.1663512	0.21466124	2.7624873	21	8 1.7	22.0
536819 2015 FZ_{171}	17.8	X	112.95373	120.91823	163.15451	11.68308	0.1657217	0.23547972	2.5971700	21	12 16.1	22.2
536820 2015 FG_{174}	17.3	X	156.44110	153.71282	56.25875	12.75491	0.0663288	0.22931851	2.6434837	21	10 28.4	21.2
536821 2015 FM_{174}	17.2	X	155.23210	68.60871	165.88181	14.90571	0.0651962	0.23761600	2.5815801	21	11 27.8	21.2
536822 2015 FV_{174}	17.1	X	95.46830	205.52782	49.99187	17.13907	0.2425447	0.21414382	2.7669354	21	11 1.1	21.7
536823 2015 FJ_{175}	16.5	X	38.03246	152.70182	82.26246	12.26770	0.0360256	0.18605863	3.0388050	21	6 25.1	20.5
536824 2015 FE_{176}	16.1	X	208.19195	311.80934	99.67056	12.25023	0.0901057	0.18041174	3.1018885	21	6 2.2	20.9
536825 2015 FD_{178}	17.0	X	154.16999	40.23958	180.61376	27.42295	0.1296872	0.23481651	2.6020580	21	11 8.7	21.5
536826 2015 FB_{182}	17.5	X	285.77796	261.39578	166.04370	12.08215	0.1772076	0.23869675	2.5737817	21	9 14.5	20.2
536827 2015 FG_{183}	16.1	X	219.52699	31.90121	13.84405	17.54865	0.1233939	0.19722102	2.9230343	21	5 29.0	21.0
536828 2015 FN_{184}	16.2	X	53.00248	149.19708	109.06445	4.92917	0.0521309	0.21030783	2.8004796	21	8 20.6	19.9
536829 2015 FD_{185}	16.9	X	179.72163	92.09386	51.56275	5.66462	0.0551009	0.22003789	2.7173009	21	8 30.2	20.9
536830 2015 FV_{186}	16.4	X	60.85048	256.97170	242.88369	14.02533	0.0779791	0.17341505	3.1847709	21	3 26.6	20.9
536831 2015 FG_{187}	15.8	X	341.89647	39.64227	232.51148	13.43146	0.1139093	0.18937034	3.0032725	21	5 19.8	19.3
536832 2015 FB_{194}	18.0	X	307.41184	214.57109	272.36423	3.77882	0.1391822	0.27489221	2.3425800	21	—	—
536833 2015 FX_{201}	17.4	X	258.59436	115.23140	334.95182	3.52060	0.1791458	0.23985316	2.5655024	21	9 5.9	20.7
536834 2015 FA_{204}	16.9	X	306.79581	76.00288	273.37036	4.94971	0.0693104	0.20643623	2.8353854	21	7 13.6	20.6
536835 2015 FL_{205}	17.2	X	181.73096	271.60408	201.76667	7.00531	0.1837956	0.21425700	2.7659609	21	7 17.9	21.9
536836 2015 FZ_{206}	17.9	X	219.85746	161.15438	356.25285	5.93173	0.0594707	0.24396589	2.5365883	21	11 1.1	21.5
536837 2015 FB_{209}	16.1	X	114.97619	177.13507	318.19687	11.67972	0.1195702	0.19283650	2.9671754	21	6 7.5	20.6
536838 2015 FX_{212}	16.9	X	69.21021	195.20875	99.50335	9.32613	0.1025405	0.22384562	2.6863978	21	11 8.9	20.7
536839 2015 FE_{213}	17.3	X	175.00504	76.97221	142.00787	9.97123	0.0971668	0.24071435	2.5593798	21	11 28.4	21.3
536840 2015 FQ_{213}	17.1	X	136.39300	214.33950	60.27013	17.17438	0.2953636	0.23721383	2.5844971	21	12 23.9	22.0
536841 2015 FT_{213}	16.9	X	189.00629	76.82500	74.00029	14.46914	0.1657984	0.22349828	2.6891803	21	9 19.5	21.5
536842 2015 FX_{213}	17.9	X	221.32695	66.94644	147.54232	12.71084	0.1706595	0.25804870	2.4434396	21	—	—
536843 2015 FO_{214}	16.5	X	97.52129	164.35019	141.03022	14.67155	0.1622475	0.23852116	2.5750447	21	12 27.5	20.7
536844 2015 FD_{215}	16.4	X	313.34414	133.51876	157.22115	12.69152	0.0325781	0.18278481	3.0749825	21	5 15.3	20.8
536845 2015 FS_{215}	17.0	X	89.75114	90.81290	75.14320	4.15430	0.0411792	0.19033751	2.9930901	21	6 5.6	20.9
536846 2015 FR_{216}	18.0	X	199.75471	2.73713	180.66270	14.13586	0.1339613	0.24493355	2.5299030	21	11 7.9	21.9
536847 2015 FU_{218}	17.8	X	191.05939	158.58658	16.82888	9.14336	0.0990627	0.23862323	2.5743103	21	10 18.3	21.6
536848 2015 FA_{221}	17.1	X	221.06608	308.90217	129.46239	5.72123	0.1468384	0.21647234	2.7470577	21	7 13.5	21.5
536849 2015 FN_{221}	17.8	X	221.08618	159.14694	58.01852	3.45692	0.1905807	0.26423465	2.4051539	21	—	—
536850 2015 FQ_{221}	18.0	X	181.35383	166.07013	66.39622	3.73131	0.0898488	0.25548340	2.4597686	21	12 22.6	21.3
536851 2015 FX_{228}	17.8	X	212.55249	322.18952	171.23601	10.42066	0.1953554	0.23465714	2.6032359	21	9 10.0	22.0
536852 2015 FZ_{235}	16.5	X	3.46060	258.31257	30.50308	10.49026	0.0550335	0.20068984	2.8892545	21	7 21.3	20.4
536853 2015 FS_{239}	17.7	X	250.62514	139.37268	49.47950	7.10745	0.0736082	0.26848465	2.3797047	21	—	—
536854 2015 FU_{249}	16.3	X	101.17719	71.75537	50.72026	7.93360	0.1288583	0.17767513	3.1336582	21	5 8.9	20.7
536855 2015 FP_{260}	17.8	X	302.77972	37.55175	53.13087	4.88287	0.1389675	0.26119582	2.4237727	21	11 27.3	20.0
536856 2015 FQ_{261}	16.3	X	15.94859	76.18351	144.52093	6.11428	0.1005114	0.18238699	3.0794523	21	5 10.2	20.1
536857 2015 FR_{264}	16.3	X	135.48484	53.90201	40.59329	8.66383	0.0793395	0.18671486	3.0316807	21	5 6.2	20.6
536858 2015 FU_{264}	16.8	X	153.72340	148.15882	14.86392	14.08600	0.1194473	0.22060530	2.7126395	21	8 30.2	21.2
536859 2015 FP_{268}	16.3	X	4.65464	202.48534	9.23776	10.98499	0.0852011	0.17374340	3.1807571	21	4 8.0	20.2
536860 2015 FV_{269}	17.6	X	133.63018	110.26691	143.09231	6.59621	0.1753924	0.24114857	2.5563065	21	11 29.1	21.9
536861 2015 FU_{275}	16.6	X	153.57753	20.32012	53.80618	10.71615	0.0986691	0.18504501	3.0498921	21	5 3.9	21.3
536862 2015 FP_{278}	16.8	X	70.75948	188.60755	85.73542	5.90875	0.1343460	0.22292233	2.6938102	21	10 19.4	20.6
536863 2015 FZ_{283}	16.9	X	89.67156	190.51580	66.89153	14.10700	0.0699395	0.21991344	2.7183260	21	10 15.5	20.9
536864 2015 FB_{287}	16.9	X	152.98127	64.15324	149.53807	13.94529	0.2222521	0.22445395	2.6815417	21	10 30.5	21.7
536865 2015 FQ_{287}	17.6	X	152.33396	188.68336	27.06852	15.65929	0.1870150	0.23568060	2.5956940	21	10 27.7	21.9
536866 2015 FW_{289}	16.0	X	59.29449	142.90233	46.34351	24.57202	0.1452197	0.18116414	3.0932942	21	6 4.7	20.2
536867 2015 FW_{292}	16.9	X	117.77017	11.85953	192.29101	5.11687	0.0968429	0.21113618	2.7931501	21	9 4.3	21.0
536868 2015 FL_{294}	17.5	X	116.48277	122.94758	192.10386	29.76480	0.3485251	0.23538725	2.5978501	21	—	—
536869 2015 FP_{295}	16.9	X	107.47677	211.25874	67.67067	12.06364	0.0650666	0.23102239	2.6304699	21	11 26.8	20.6
536870 2015 FR_{297}	15.8	X	265.18832	306.85889	60.07145	19.11413	0.1076098	0.17867443	3.1219632	21	6 4.2	20.5
536871 2015 FX_{297}	17.1	X	115.42773	134.47737	176.54717	12.91816	0.2001368	0.23958237	2.5674351	21	—	—
536872 2015 FH_{298}	16.6	X	86.07409	101.97009	70.59414	13.49216	0.1733290	0.18113995	3.0935696	21	6 28.7	21.0
536873 2015 FR_{298}	16.6	X	122.58058	118.87470	166.75631	11.39359	0.1944548	0.23233698	2.6205381	21	12 25.8	21.2
536874 2015 FH_{299}	17.5	X	182.82296	16.46079	133.03710	10.16510	0.2002419	0.21582587	2.7525405	21	9 4.7	22.1
536875 2015 FZ_{299}	16.9	X	181.42443	68.13862	163.17337	12.88804	0.0991330	0.24154631	2.5534995	21	12 18.8	20.9
536876 2015 FD_{301}	16.2	X	104.84220	69.87542	82.78627	16.55836	0.1380732	0.18087877	3.0965469	21	6 20.8	20.7
536877 2015 FH_{302}	17.3	X	147.86438	128.68145	150.34873	11.68799	0.1570209	0.24166070	2.5526937	21	—	—
536878 2015 FQ_{302}	17.1	X	164.08414	73.41225	168.13954	12.58793	0.2280483	0.23538139	2.5978932	21	12 8.6	21.8
536879 2015 FO_{303}	17.4	X	114.21043	151.77687	101.18936	15.41733	0.1709730	0.21739513	2.7392784	21	11 12.7	22.0
536880 2015 FW_{303}	16.9	X	83.86321	89.21498	122.07247	12.62120	0.1130484	0.18879941	3.0093240	21	8 7.4	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536881 2015 FB_{304}	17.3	X	135.85121	144.21850	172.03405	12.65747	0.2857546	0.24291352	2.5439091	21	—	—
536882 2015 FW_{304}	16.6	X	178.27609	142.45886	85.15799	19.34294	0.2108058	0.23637361	2.5906181	21	12 4.5	20.9
536883 2015 FJ_{305}	17.3	X	172.34882	113.55413	93.81756	13.97797	0.2133533	0.22804081	2.6533487	21	11 8.2	22.0
536884 2015 FJ_{312}	16.3	X	107.78803	71.26093	48.94185	14.20737	0.1204428	0.17994642	3.1072337	21	5 12.1	20.8
536885 2015 FC_{313}	16.8	X	297.71521	243.12219	166.32461	22.10061	0.0448849	0.22605869	2.6688362	21	9 27.2	20.2
536886 2015 FL_{314}	17.1	X	142.10344	354.51383	135.38654	9.59789	0.2528443	0.20206610	2.8761205	21	7 8.6	22.1
536887 2015 FS_{314}	17.1	X	118.01939	140.79265	62.38606	10.67317	0.1147056	0.21259543	2.7803540	21	9 12.2	21.5
536888 2015 FO_{317}	17.0	X	210.72848	7.65756	85.95315	6.14734	0.1273797	0.21091669	2.7950876	21	7 24.8	21.4
536889 2015 FH_{318}	17.2	X	212.94675	57.17900	45.36861	13.14461	0.2089803	0.22013267	2.7165209	21	8 6.2	21.9
536890 2015 FU_{318}	17.2	X	73.01971	183.31040	103.94070	7.66668	0.0885106	0.22493748	2.6776974	21	11 2.1	21.0
536891 2015 FG_{320}	17.8	X	207.77977	16.14169	154.97642	12.53870	0.1126017	0.24003096	2.5642353	21	11 3.8	21.7
536892 2015 FH_{320}	16.0	X	193.55913	316.63993	77.75141	10.75140	0.0992755	0.17335918	3.1854551	21	4 29.4	21.0
536893 2015 FJ_{320}	17.6	X	168.54084	53.42279	162.53315	16.96999	0.0627110	0.23900654	2.5715572	21	11 20.6	21.6
536894 2015 FT_{322}	16.8	X	110.52911	56.81559	86.88894	10.75132	0.1905863	0.18993440	2.9973236	21	6 22.2	21.4
536895 2015 FZ_{322}	17.5	X	140.18832	193.91600	71.93344	10.50982	0.1622913	0.24243384	2.5472636	21	12 17.9	21.6
536896 2015 FC_{323}	16.6	X	114.45769	337.80741	152.11881	13.51296	0.0987283	0.18247826	3.0784254	21	6 1.2	21.3
536897 2015 FG_{323}	15.7	X	148.39535	2.13054	67.28195	12.25400	0.0948275	0.17061171	3.2195623	21	4 26.1	20.6
536898 2015 FS_{323}	16.2	X	152.68304	295.65968	157.17621	16.09198	0.1352261	0.18467210	3.0539965	21	5 30.5	21.3
536899 2015 FB_{324}	16.5	X	133.98908	51.56657	113.62607	12.06984	0.0213574	0.20266874	2.8704162	21	7 29.2	20.4
536900 2015 FE_{324}	16.9	X	248.82424	308.44380	142.90225	13.87886	0.2198301	0.23049961	2.6344457	21	8 21.6	20.8
536901 2015 FD_{325}	16.8	X	191.32417	34.27724	83.59299	10.53790	0.0893851	0.21025564	2.8009431	21	8 8.0	21.1
536902 2015 FH_{325}	16.2	X	118.23310	40.82726	97.15783	10.43935	0.0611078	0.18544865	3.0454649	21	6 9.2	20.6
536903 2015 FT_{327}	18.0	X	281.01365	56.19928	45.78852	10.86029	0.1185510	0.24670572	2.5177730	21	11 4.9	20.7
536904 2015 FX_{328}	17.7	X	53.97420	244.19786	100.05410	7.80862	0.0076089	0.24646601	2.5194052	21	12 10.8	21.1
536905 2015 FD_{329}	16.4	X	138.64213	354.83296	92.52861	10.72953	0.0697487	0.17479116	3.1680333	21	5 4.9	21.2
536906 2015 FL_{329}	16.7	X	147.92396	14.89113	83.45722	11.01133	0.0579338	0.18212502	3.0824046	21	5 25.2	21.3
536907 2015 FY_{329}	16.3	X	275.49761	324.34721	62.20006	17.33223	0.1169143	0.20438642	2.8543114	21	7 13.6	20.5
536908 2015 FQ_{330}	16.4	X	65.60680	127.25509	53.18792	10.80382	0.0055832	0.18842159	3.0133455	21	5 18.3	20.4
536909 2015 FM_{333}	17.2	X	103.35781	94.97756	213.94639	3.84574	0.0928511	0.25164963	2.4846880	21	—	—
536910 2015 FA_{335}	17.2	X	94.45509	143.68209	199.25697	14.68822	0.1502988	0.24206559	2.5498463	21	—	—
536911 2015 FH_{336}	17.0	X	112.56055	142.47379	109.75169	10.35769	0.1563672	0.21571929	2.7534470	21	11 7.7	21.5
536912 2015 FR_{336}	17.3	X	155.67739	62.23535	176.09327	11.80951	0.0660535	0.22941515	2.6427413	21	11 30.6	21.4
536913 2015 FS_{336}	17.2	X	129.63096	54.19800	181.16909	12.73095	0.1208160	0.21663743	2.7456619	21	10 30.9	21.6
536914 2015 FB_{338}	17.2	X	153.83075	111.07072	124.97391	7.07768	0.0725301	0.22643016	2.6659165	21	11 25.3	21.2
536915 2015 FK_{339}	18.0	X	176.86527	75.58273	117.61582	13.53087	0.1923359	0.23517285	2.5994288	21	10 28.4	22.6
536916 2015 FY_{339}	16.5	X	274.10254	102.70563	328.25856	21.64214	0.0416239	0.22549816	2.6732570	21	9 13.2	20.2
536917 2015 FJ_{340}	16.6	X	130.90656	46.21171	243.34032	13.34368	0.0922408	0.24458698	2.5322922	21	—	—
536918 2015 FT_{341}	17.2	X	223.21463	150.29925	348.68698	26.41996	0.1863369	0.23890095	2.5723149	21	9 22.9	21.4
536919 2015 FL_{345}	5.9	X	294.53481	177.64556	116.97656	5.35957	0.1299544	0.00317297	45.8660866	21	4 26.8	22.3
536920 2015 FM_{345}	6.3	X	68.93484	50.74344	103.54420	17.11146	0.0288020	0.00354612	42.5893047	21	5 12.1	22.6
536921 2015 FO_{345}	7.1	X	32.36498	33.22192	152.97816	20.15154	0.1293872	0.00386962	40.1813021	21	5 12.7	22.7
536922 2015 FP_{345}	6.9	X	32.98389	34.17405	130.30694	10.03808	0.2145928	0.00342513	43.5864002	21	4 27.8	22.5
536923 2015 FX_{349}	16.5	X	96.20471	85.62496	64.93621	14.67160	0.0690709	0.18270014	3.0759325	21	5 29.1	20.7
536924 2015 FM_{352}	16.8	X	267.83612	250.89098	145.20931	13.25204	0.2979132	0.24197709	2.5504680	21	6 21.6	20.9
536925 2015 FG_{353}	16.6	X	52.29240	335.01134	212.61523	12.64380	0.0998456	0.17447054	3.1719134	21	5 23.1	20.8
536926 2015 FN_{362}	17.7	X	256.07778	333.37283	190.82365	14.29235	0.0566803	0.25330414	2.4738566	21	12 30.6	21.1
536927 2015 FL_{365}	17.2	X	171.33152	313.31875	225.25996	10.85800	0.1306785	0.23873816	2.5734841	21	9 28.6	21.4
536928 2015 FG_{366}	16.4	X	181.68836	147.48427	256.93846	15.35421	0.0613802	0.18829137	3.0147348	21	4 20.5	21.1
536929 2015 FG_{367}	17.0	X	208.26270	157.39536	237.00664	10.52301	0.1111790	0.19820739	2.9133287	21	5 8.3	21.5
536930 2015 FG_{368}	16.0	X	180.23647	85.36419	286.96692	12.68619	0.2150902	0.17734058	3.1375980	21	3 14.1	21.6
536931 2015 FW_{368}	17.2	X	207.10173	210.28331	299.52333	13.04348	0.2096220	0.23938627	2.5688370	21	9 18.0	21.7
536932 2015 FA_{372}	16.8	X	17.93280	52.98771	270.27716	10.67044	0.1091065	0.22123020	2.7075289	21	9 26.7	20.3
536933 2015 FB_{372}	16.7	X	243.69086	84.95473	304.57325	12.77291	0.0831918	0.19695754	2.9256406	21	6 12.1	21.2
536934 2015 FB_{373}	17.4	X	331.69610	37.00869	62.17129	24.07930	0.2419857	0.27204557	2.3588932	21	—	—
536935 2015 FC_{374}	17.8	X	152.62111	218.01650	39.49376	4.87798	0.1657130	0.24189924	2.5510152	21	12 18.8	22.0
536936 2015 FT_{375}	16.3	X	179.97797	218.95582	165.27257	11.35803	0.1250320	0.18324372	3.0698464	21	4 2.1	21.2
536937 2015 FJ_{378}	16.4	X	158.68718	84.08269	305.51999	18.80643	0.2912260	0.17814993	3.1280879	21	3 17.7	22.2
536938 2015 FW_{378}	16.3	X	260.73312	64.62583	258.00259	9.73426	0.0227615	0.18161035	3.0882254	21	4 13.3	20.9
536939 2015 FS_{380}	16.5	X	12.31996	349.45699	228.95876	8.29160	0.0238454	0.18359314	3.0659501	21	4 28.2	20.6
536940 2015 FC_{382}	16.5	X	194.63902	195.17719	237.60294	8.06293	0.2905770	0.21369273	2.7708279	21	6 8.9	21.5
536941 2015 FN_{383}	16.5	X	184.73552	121.64636	269.35166	9.20000	0.2010763	0.18385094	3.0630833	21	4 10.3	21.8
536942 2015 FY_{384}	17.0	X	311.76455	46.84589	313.00185	9.05033	0.1288911	0.22014053	2.7164562	21	7 29.2	20.1
536943 2015 FZ_{384}	15.9	X	131.49926	216.68366	230.16899	5.87061	0.1199722	0.18403147	3.0610798	21	4 26.7	20.4
536944 2015 FL_{387}	18.1	X	161.08719	358.56989	213.84275	13.62415	0.1629284	0.23568530	2.5956595	21	11 2.1	22.1
536945 2015 FV_{387}	17.4	X	227.34238	123.29722	318.14981	8.90223	0.2303930	0.22056194	2.7129950	21	7 18.5	21.8
536946 2015 FM_{389}	17.8	X	327.71426	205.47349	236.65570	4.95478	0.2060428	0.26364119	2.4087619	21	—	—
536947 2015 FS_{394}	18.6	X	62.14069	125.34750	195.22976	21.07370	0.0718847	0.38174659	1.8819985	21	12 25.7	21.2
536948 2015 FT_{394}	16.8	X	243.43192	78.41214	13.88309	22.03116	0.0605138	0.22331697	2.6906357	21	9 14.1	20.7
536949 2015 FM_{395}	17.3	X	208.94048	135.34398	20.34595	14.21106	0.1785607	0.22880948	2.6474029	21	10 6.8	21.4
536950 2015 FC_{396}	16.2	X	97.88834	47.43573	92.84627	14.33208	0.1368575	0.17174499	3.2053835	21	5 30.6	20.9
536951 2015 FQ_{396}	17.4	X	12.05439	265.06247	71.35216	4.38337	0.0977742	0.21499379	2.7596380	21	10 11.4	20.7
536952 2015 FY_{396}	17.1	X	355.99136	173.36173	212.77614	6.05777	0.1832163	0.24226915	2.5484179	21	12 6.1	19.5
536953 2015 FZ_{396}	16.2	X	224.92705	309.11011	105.31690	10.73923	0.0940133	0.18880149	3.0093020	21	6 21.9	20.8
536954 2015 FC_{397}	16.4	X	200.70147	327.15397	101.01244	6.39628	0.0557428	0.18331007	3.0691056	21	6 14.8	21.0
536955 2015 FE_{397}	17.1	X	203.24188	179.90065	3.04650	13.11430	0.0929423	0.23181017	2.6245070	21	11 5.9	21.1
536956 2015 FG_{397}	16.8	X	116.65022	29.97036	233.20125	12.44630	0.1590429	0.21913371	2.7247704	21	11 21.3	21.2
536957 2015 FH_{397}	15.9	X	126.50357	81.04224	28.26710	11.28515	0.0417619	0.18000239	3.1065894	21	5 8.8	20.4
536958 2015 FK_{397}	17.0	X	131.37020	112.58701	144.73434	7.61744	0.0126526	0.22457559	2.6805732	21	11 25.2	20.8
536959 2015 FL_{397}	16.2	X	15.57775	48.78132	197.25469	16.13150	0.0843741	0.17754512	3.1351878	21	6 10.5	20.4
536960 2015 FM_{397}	18.0	X	177.09399	332.94563	287.05098	0.58710	0.1550301	0.25522188	2.4614487	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
536961 2015 FN_{397}	15.9	X	263.97669	279.76867	66.88566	11.82222	0.0846660	0.17343759	3.1844950	21	5 14.5	20.6
536962 2015 FP_{397}	17.9	X	158.74243	234.81817	20.19932	2.33600	0.0749205	0.25165726	2.4846377	21	12 26.6	21.4
536963 2015 FQ_{397}	17.4	X	277.29810	87.82608	5.00092	11.62982	0.1620942	0.24351912	2.5396898	21	10 7.9	20.4
536964 2015 FT_{397}	18.6	X	250.40716	175.38301	339.62685	2.84062	0.1644454	0.25405374	2.4689880	21	11 24.6	21.6
536965 2015 FU_{397}	16.1	X	102.80151	309.86148	207.47184	15.23361	0.1583871	0.17789030	3.1311308	21	6 25.9	21.0
536966 2015 FV_{401}	16.9	X	304.68602	177.93121	175.19089	12.19791	0.0749571	0.19835433	2.9118898	21	7 13.5	21.0
536967 2015 FW_{401}	16.2	X	326.66810	247.12634	84.35018	6.05400	0.0973480	0.19411123	2.9541708	21	7 17.2	19.8
536968 2015 FX_{401}	16.7	X	210.86916	280.65321	170.74196	11.23333	0.0987284	0.20198296	2.8769097	21	7 21.4	21.3
536969 2015 FD_{402}	17.2	X	205.63757	68.97587	123.56229	12.50340	0.1678169	0.24333834	2.5409475	21	11 22.9	21.2
536970 2015 FH_{402}	16.8	X	66.57726	207.19642	114.60162	12.72777	0.1999311	0.22189178	2.7021445	21	12 18.7	20.9
536971 2015 FJ_{402}	17.5	X	107.55161	235.15721	359.37535	2.94772	0.1399972	0.21695450	2.7429861	21	10 6.8	21.6
536972 2015 FL_{402}	16.5	X	187.01297	14.98367	78.35067	11.09818	0.0766704	0.18909457	3.0061917	21	6 30.4	21.1
536973 2015 FN_{402}	17.0	X	215.85934	26.07692	121.19769	13.56484	0.0871160	0.22484138	2.6784603	21	10 16.9	21.1
536974 2015 FP_{402}	16.6	X	60.89583	218.72130	109.34423	10.57903	0.1587377	0.21637759	2.7478595	21	12 14.3	20.5
536975 2015 FQ_{402}	17.1	X	122.93656	29.51612	193.80053	9.43341	0.1547994	0.21085173	2.7956617	21	10 9.2	21.5
536976 2015 FV_{402}	16.4	X	283.11947	260.53948	81.24923	16.66978	0.0825447	0.17920051	3.1158501	21	5 31.9	20.8
536977 2015 FW_{402}	16.3	X	179.53174	182.23927	285.29775	8.61144	0.0421798	0.18809875	3.0167925	21	7 10.3	20.7
536978 2015 FC_{403}	17.1	X	147.73303	322.86951	152.43203	2.10487	0.1268389	0.19202398	2.9755397	21	6 18.7	21.7
536979 2015 FG_{403}	17.5	X	128.10779	59.42197	225.17929	8.85383	0.1251937	0.23503210	2.6004665	21	12 27.5	21.7
536980 2015 FH_{403}	17.3	X	171.27597	25.65488	130.56196	9.63974	0.1294892	0.21674493	2.7447540	21	9 3.9	21.6
536981 2015 FJ_{403}	17.5	X	101.66577	247.86717	10.82403	10.00517	0.1146586	0.22633472	2.6666659	21	10 27.5	21.5
536982 2015 FN_{403}	16.8	X	150.14347	135.69621	67.20197	26.06575	0.0899574	0.22016572	2.7162490	21	10 22.3	21.3
536983 2015 FO_{403}	17.5	X	136.96113	82.26992	182.51061	13.10800	0.1433274	0.23385954	2.6091517	21	12 13.4	21.9
536984 2015 FY_{403}	16.7	X	311.93048	302.92987	74.08167	8.76653	0.0827572	0.20856744	2.8160371	21	8 31.9	20.3
536985 2015 FB_{404}	17.1	X	92.14514	96.74049	218.08373	14.03212	0.1346748	0.23003304	2.6380067	21	12 28.1	21.4
536986 2015 FC_{404}	16.1	X	36.59396	237.60741	1.13120	10.70365	0.0875972	0.17787174	3.1313486	21	7 5.3	20.3
536987 2015 FF_{404}	16.7	X	143.74103	106.38656	349.15322	11.35714	0.1290480	0.18199157	3.0839113	21	5 17.9	21.7
536988 2015 FK_{404}	17.0	X	354.18786	191.64588	147.30091	13.64933	0.0726075	0.20319430	2.8654645	21	9 13.2	20.5
536989 2015 FL_{404}	16.9	X	132.65662	50.93806	143.35834	12.05256	0.0471431	0.19915715	2.9040591	21	9 6.4	21.1
536990 2015 FM_{404}	16.5	X	54.12137	154.38409	158.70341	10.70358	0.1204497	0.21349818	2.7725110	21	11 14.1	20.4
536991 2015 FP_{404}	17.3	X	289.14772	293.34353	115.34971	3.97269	0.0744516	0.22079464	2.7110885	21	9 8.9	20.7
536992 2015 FU_{404}	16.5	X	159.99179	4.92148	68.11981	10.65803	0.0947290	0.17495874	3.1660100	21	5 10.2	21.3
536993 2015 FV_{404}	17.0	X	192.62369	348.45278	122.28313	3.16251	0.0119589	0.20452709	2.8530025	21	7 31.8	21.0
536994 2015 FX_{404}	16.2	X	139.66510	111.97900	359.93463	11.69922	0.1080501	0.17421589	3.1750035	21	6 2.9	21.3
536995 2015 FB_{405}	18.0	X	163.29309	81.81537	184.72304	7.00027	0.1218972	0.25623696	2.4549437	21	—	—
536996 2015 FC_{405}	17.2	X	188.16330	48.32628	125.30768	13.97622	0.1900467	0.22799770	2.6536832	21	10 13.8	21.8
536997 2015 FG_{405}	16.4	X	241.61339	263.87524	110.37698	4.89824	0.1386488	0.18381749	3.0634549	21	5 17.7	21.1
536998 2015 FL_{405}	17.9	X	236.51361	305.64118	153.28098	2.44920	0.1688760	0.22602581	2.6690950	21	8 23.4	22.0
536999 2015 FM_{405}	16.0	X	35.81982	261.00129	331.10917	10.92124	0.0494151	0.17740645	3.1368213	21	6 20.4	20.4
537000 2015 FN_{405}	16.6	X	308.75061	264.13280	132.10415	13.05144	0.1192884	0.22314479	2.6920195	21	9 19.3	19.8
537001 2015 FQ_{405}	17.5	X	164.19223	357.43085	215.15980	13.43382	0.1449382	0.22747990	2.6577086	21	11 4.5	21.6
537002 2015 FT_{405}	18.1	X	307.68912	56.75178	68.23252	2.81843	0.0367525	0.26412165	2.4058399	21	—	—
537003 2015 FV_{405}	17.7	X	141.58605	177.61732	60.76090	3.81312	0.1443090	0.23437428	2.6053301	21	11 15.6	21.8
537004 2015 FL_{406}	17.1	X	44.42107	291.67899	42.40906	12.82337	0.2055133	0.22026957	2.7153952	21	12 7.0	20.9
537005 2015 FN_{406}	16.9	X	112.48829	111.64760	64.93291	9.83865	0.0338440	0.19223671	2.9733440	21	7 18.9	21.2
537006 2015 FP_{406}	17.2	X	200.55551	285.03605	229.53292	15.87851	0.1212682	0.23632270	2.5909901	21	9 26.4	21.4
537007 2015 FX_{406}	16.6	X	300.52869	66.71637	313.74346	13.70342	0.0501005	0.21714105	2.7414149	21	8 17.5	20.1
537008 2015 FA_{407}	18.0	X	155.08345	25.87612	196.59354	8.92392	0.1062286	0.23853372	2.5749543	21	11 10.7	22.0
537009 2015 FC_{407}	16.4	X	178.86990	156.79804	270.45351	8.98175	0.0922415	0.18680772	3.0306760	21	5 19.3	21.1
537010 2015 FD_{407}	16.3	X	206.22735	188.97121	207.43938	14.76916	0.0446743	0.17987559	3.1080493	21	5 13.5	20.9
537011 2015 FE_{407}	17.7	X	34.34735	312.18192	47.61218	3.00046	0.0442755	0.24491183	2.5300525	21	12 9.7	21.0
537012 2015 FF_{407}	17.8	X	241.71025	106.75678	7.48754	5.70729	0.1151576	0.23405842	2.6076734	21	9 26.2	21.3
537013 2015 FM_{407}	17.6	X	71.66013	238.77963	90.78214	5.77927	0.1142563	0.24073599	2.5592264	21	12 26.3	21.2
537014 2015 FQ_{407}	17.1	X	349.67063	343.45009	68.57029	5.10505	0.0812947	0.24655859	2.5187745	21	12 20.4	20.0
537015 2015 FR_{407}	17.2	X	190.51818	51.29251	49.83276	10.15922	0.1008115	0.20053926	2.8907006	21	7 15.1	21.8
537016 2015 FD_{408}	16.7	X	224.77243	328.83606	81.55335	8.78018	0.0838903	0.19073074	2.9889748	21	6 17.0	21.0
537017 2015 FG_{408}	17.7	X	208.92399	327.98090	212.10738	4.70879	0.1866631	0.23572523	2.5953664	21	11 4.8	21.6
537018 2015 FL_{408}	17.5	X	177.15662	326.80237	229.53364	4.01409	0.1444200	0.22582626	2.6706671	21	10 26.9	21.7
537019 2015 FW_{408}	17.4	X	168.71030	103.84156	93.56378	5.92293	0.0943133	0.22042735	2.7140993	21	10 24.0	21.5
537020 2015 FA_{409}	17.9	X	238.46319	206.44116	337.22845	3.94746	0.0897472	0.26018538	2.4300439	21	12 30.5	21.0
537021 2015 FK_{409}	17.5	X	248.79054	284.78730	183.29448	14.93886	0.0654729	0.23048570	2.6345517	21	10 4.3	20.9
537022 2015 FP_{409}	17.0	X	226.85914	19.03611	110.90980	13.05603	0.1055862	0.23024245	2.6364070	21	10 6.0	21.0
537023 2015 FR_{409}	15.8	X	80.89512	38.76541	76.79475	18.85212	0.0659797	0.15642098	3.4114529	21	4 8.4	20.9
537024 2015 FA_{410}	17.0	X	40.74204	338.25291	353.62231	6.03064	0.0181774	0.22187472	2.7022830	21	11 2.1	20.6
537025 2015 FC_{410}	17.2	X	125.14461	226.52602	6.99809	7.29883	0.1592834	0.21563437	2.7541699	21	10 22.6	21.7
537026 2015 FD_{410}	16.7	X	66.05714	263.59590	359.22521	10.95145	0.0814323	0.19937945	2.9019000	21	9 16.4	20.5
537027 2015 FH_{410}	17.3	X	152.27346	267.85319	5.96072	6.99906	0.1784764	0.23892453	2.5721456	21	—	—
537028 2015 FJ_{410}	17.9	X	175.24000	357.21460	208.23177	3.61320	0.1249838	0.23736591	2.5833930	21	11 8.1	21.9
537029 2015 FU_{410}	17.8	X	164.12960	127.25536	82.58657	5.57893	0.1660999	0.23102908	2.6304191	21	11 2.5	22.0
537030 2015 FA_{411}	16.2	X	33.64065	133.09091	71.43982	10.82826	0.0476763	0.17811805	3.1284611	21	5 13.3	20.4
537031 2015 FK_{411}	17.2	X	81.39921	121.56896	130.99144	15.85894	0.1211253	0.20580883	2.8411449	21	10 3.7	21.5
537032 2015 FZ_{411}	17.6	X	209.53255	69.26473	68.08795	13.72468	0.2193235	0.22446553	2.6814494	21	9 17.8	22.3
537033 2015 FD_{412}	17.4	X	119.93942	175.79491	120.13081	11.99824	0.1236262	0.23853525	2.5749433	21	—	—
537034 2015 FT_{412}	17.6	X	161.97549	3.10347	231.65641	5.69041	0.0837400	0.24193326	2.5507760	21	12 2.9	21.2
537035 2015 FX_{412}	17.1	X	109.83633	207.55733	7.05577	12.00244	0.1507680	0.21187336	2.7866674	21	9 17.3	21.3
537036 2015 FE_{413}	17.7	X	180.86776	61.41874	199.39228	6.78155	0.0874216	0.25892880	2.4378996	21	—	—
537037 2015 FK_{413}	16.3	X	52.63162	110.07875	115.25332	12.92007	0.0218120	0.18212748	3.0823768	21	7 1.3	20.6
537038 2015 FL_{413}	17.0	X	313.62570	269.58600	171.79370	14.76529	0.0642575	0.23455378	2.6040006	21	12 2.8	20.4
537039 2015 FO_{413}	16.9	X	100.97458	324.09085	154.31275	0.43750	0.1381658	0.17592276	3.1544335	21	5 4.9	21.5
537040 2015 FP_{413}	16.9	X	119.33547	21.88476	210.84265	12.25545	0.1368893	0.21460354	2.7629825	21	10 15.6	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
537041 2015 FV_{413}	16.7	X	33.15394	153.98768	124.67548	10.82474	0.0760129	0.19041771	2.9922496	21	8 21.4	20.6
537042 2015 FM_{414}	16.9	X	351.43182	258.11550	115.91089	7.03600	0.0647897	0.21778104	2.7360414	21	10 29.1	20.3
537043 2015 FT_{414}	17.4	X	9.47113	248.06088	122.98515	9.46271	0.1059111	0.23762115	2.5815428	21	11 28.8	20.6
537044 2015 FA_{415}	16.6	X	195.91437	356.83815	81.24585	10.97416	0.0929677	0.18836779	3.0139193	21	6 20.3	21.2
537045 2015 FC_{415}	16.5	X	329.29646	204.65352	123.71191	16.91159	0.1060228	0.18645331	3.0345152	21	7 15.5	20.1
537046 2015 GO_{2}	17.0	X	119.58966	168.27184	38.77926	3.98408	0.1294362	0.21729619	2.7401099	21	9 16.1	21.1
537047 2015 GC_{3}	17.4	X	230.23115	276.76896	198.61588	12.27531	0.1807890	0.23124959	2.6287467	21	9 3.0	21.5
537048 2015 GG_{3}	17.4	X	144.89623	271.39876	334.93077	3.62044	0.1555020	0.23716269	2.5848686	21	11 27.6	21.6
537049 2015 GQ_{3}	18.1	X	223.06679	288.57260	212.59274	2.03776	0.1147038	0.23639659	2.5904502	21	10 8.8	21.8
537050 2015 GN_{4}	16.2	X	110.56003	274.35373	207.14592	15.65295	0.0901222	0.17741020	3.1367770	21	5 14.6	20.8
537051 2015 GR_{5}	17.2	X	126.17950	63.92860	209.91916	7.15983	0.1468484	0.23275142	2.6174265	21	12 13.9	21.4
537052 2015 GW_{5}	16.6	X	125.37023	238.97814	35.80473	31.25153	0.3200819	0.23315664	2.6143929	21	12 10.7	21.9
537053 2015 GC_{8}	15.9	X	179.30168	308.88830	108.44986	16.99348	0.0754478	0.17690685	3.1427243	21	5 14.7	20.9
537054 2015 GN_{8}	17.0	X	192.70685	336.54039	161.29604	18.41814	0.1244424	0.22045404	2.7138802	21	8 30.9	21.3
537055 2015 GY_{9}	16.8	X	246.58670	323.68987	105.12930	14.75096	0.1774434	0.22450761	2.6811143	21	7 25.9	20.8
537056 2015 GY_{11}	16.3	X	133.16778	319.34908	132.47907	17.08381	0.0675619	0.17762541	3.1342430	21	5 6.5	21.2
537057 2015 GT_{13}	16.9	X	130.09088	201.26073	19.34107	16.69612	0.3390417	0.21707455	2.7419747	21	10 18.7	22.0
537058 2015 GD_{14}	19.0	X	120.21701	111.07157	186.07599	22.16189	0.0779670	0.40655675	1.8046318	21	—	—
537059 2015 GU_{14}	17.4	X	226.38213	133.60060	13.03807	9.36170	0.0601216	0.24030334	2.5622973	21	10 25.7	20.8
537060 2015 GW_{15}	16.2	X	74.58983	126.70924	11.05460	12.04939	0.0693088	0.17014078	3.2255004	21	4 14.2	20.7
537061 2015 GP_{16}	16.4	X	81.22922	88.61098	72.27193	17.70476	0.0860604	0.17565058	3.1576912	21	5 27.1	20.6
537062 2015 GO_{17}	17.7	X	147.11602	189.45146	26.20334	2.53326	0.1371568	0.23041480	2.6350922	21	10 23.4	21.6
537063 2015 GH_{22}	16.7	X	153.16457	99.71550	40.63655	11.98438	0.0576230	0.19896192	2.9059584	21	7 25.6	21.2
537064 2015 GD_{24}	16.0	X	107.41795	60.83274	71.27433	14.15522	0.1593681	0.18120002	3.0928858	21	5 31.9	20.6
537065 2015 GZ_{24}	16.0	X	194.67373	318.49123	92.35261	11.44837	0.0309242	0.17570381	3.1570534	21	5 20.2	20.6
537066 2015 GB_{25}	17.5	X	190.95594	69.38774	136.81510	10.31379	0.1041972	0.24191834	2.5508809	21	11 29.1	21.4
537067 2015 GP_{25}	16.6	X	79.81717	196.20278	98.93459	13.75717	0.1566814	0.22344239	2.6896287	21	11 27.3	20.7
537068 2015 GS_{25}	16.8	X	87.14079	159.27786	136.65589	13.57647	0.1682898	0.22524330	2.6752731	21	12 6.8	21.1
537069 2015 GT_{25}	17.2	X	156.18874	57.85055	153.47234	13.95279	0.1538601	0.22641170	2.6660613	21	10 30.4	21.7
537070 2015 GD_{26}	16.6	X	79.22319	34.89756	126.08171	11.43580	0.1633532	0.17760445	3.1344895	21	6 6.1	21.0
537071 2015 GR_{26}	17.2	X	228.01263	48.40702	102.63617	17.24669	0.1865068	0.24542640	2.5265149	21	10 28.3	21.3
537072 2015 GW_{26}	16.1	X	81.11582	25.61510	152.91059	22.82442	0.0565064	0.18602374	3.0391850	21	6 16.1	20.8
537073 2015 GZ_{26}	15.6	X	294.10888	211.50590	105.30781	20.30481	0.0563630	0.17942244	3.1132802	21	5 23.1	20.2
537074 2015 GC_{28}	17.0	X	250.32908	246.45622	223.55322	2.83591	0.0963166	0.23318517	2.6141796	21	10 2.9	20.6
537075 2015 GD_{28}	17.2	X	161.68637	182.13549	14.91391	13.02392	0.1002497	0.22825488	2.6516895	21	10 13.6	21.1
537076 2015 GA_{29}	17.3	X	154.47564	140.61200	17.44740	9.89987	0.1262342	0.21451694	2.7637260	21	8 22.8	21.8
537077 2015 GT_{29}	17.1	X	216.39415	57.60151	30.41472	4.67773	0.0760749	0.20936761	2.8088576	21	7 28.2	21.2
537078 2015 GF_{31}	17.5	X	109.35341	178.48936	155.62960	1.63557	0.1968722	0.25805779	2.4433822	21	—	—
537079 2015 GC_{32}	16.6	X	15.08734	277.20023	22.81282	17.32237	0.1404555	0.20270018	2.8701194	21	9 5.9	20.2
537080 2015 GG_{32}	15.8	X	179.75429	319.24590	96.45585	13.24874	0.0760626	0.17508419	3.1644975	21	5 11.6	20.8
537081 2015 GV_{33}	16.6	X	106.28893	218.88524	68.14628	19.30937	0.2366185	0.22890721	2.6466493	21	12 14.4	21.1
537082 2015 GA_{34}	16.3	X	105.36348	53.28539	79.39385	16.95274	0.0751788	0.17348425	3.1839239	21	5 22.0	20.9
537083 2015 GO_{34}	17.3	X	141.65423	191.44148	12.51324	4.83894	0.0907678	0.22569666	2.6716894	21	10 2.1	21.4
537084 2015 GU_{36}	17.6	X	137.62690	108.82031	126.58637	5.67318	0.1669707	0.23000351	2.6382325	21	11 10.2	22.0
537085 2015 GW_{36}	17.6	X	206.75414	25.67399	212.09232	4.66750	0.1508047	0.26562183	2.3967728	21	—	—
537086 2015 GF_{37}	17.8	X	239.47767	119.85771	8.47268	7.65762	0.1328347	0.23910682	2.5708382	21	10 9.0	21.4
537087 2015 GQ_{37}	16.2	X	89.69851	339.98065	173.47854	11.16838	0.0476403	0.17972154	3.1098250	21	5 23.9	20.7
537088 2015 GT_{37}	16.5	X	80.44118	51.94220	85.57277	4.28203	0.1794072	0.17418549	3.1753729	21	5 10.3	20.7
537089 2015 GX_{37}	17.9	X	211.52411	11.42228	131.92726	5.63954	0.1465941	0.23284014	2.6167615	21	9 27.9	21.9
537090 2015 GG_{38}	16.6	X	105.22088	337.39071	158.90042	10.38837	0.0766178	0.18036944	3.1023735	21	5 25.9	21.2
537091 2015 GV_{38}	17.1	X	100.88854	166.08548	81.96542	9.43531	0.1329449	0.22074851	2.7114662	21	10 21.1	21.3
537092 2015 GP_{40}	15.9	X	325.82695	264.02206	43.22827	16.54331	0.2446254	0.17767626	3.1336449	21	5 20.7	19.5
537093 2015 GR_{40}	17.1	X	102.82250	197.78076	51.97449	11.34118	0.0632831	0.22232883	2.6986022	21	10 17.7	21.0
537094 2015 GJ_{41}	16.6	X	219.88770	347.76686	72.04323	13.31458	0.1510664	0.19971846	2.8986152	21	6 18.3	21.2
537095 2015 GH_{42}	15.9	X	94.34220	36.75854	93.37630	11.55037	0.0756497	0.17131671	3.2107234	21	5 6.9	20.5
537096 2015 GU_{45}	17.2	X	105.50309	126.19157	179.09129	14.29897	0.1408475	0.24115104	2.5562890	21	—	—
537097 2015 GX_{45}	17.0	X	294.84978	310.01278	99.23914	6.67447	0.0655402	0.22156045	2.7048378	21	9 21.4	20.5
537098 2015 GZ_{45}	19.3	X	336.24123	298.95322	21.78068	5.68084	0.4871131	0.33498010	2.0533204	21	4 26.5	20.2
537099 2015 GM_{51}	16.9	X	147.87586	337.75108	157.13905	2.13484	0.1649561	0.19475357	2.9476716	21	7 15.1	21.5
537100 2015 GP_{51}	17.0	X	329.72550	327.31133	92.47194	14.82276	0.0659478	0.23483413	2.6019278	21	11 28.9	20.2
537101 2015 GR_{51}	16.5	X	201.65411	212.37513	230.87343	8.33204	0.0746964	0.18332543	3.0689341	21	7 2.8	21.3
537102 2015 GS_{51}	16.9	X	107.27884	85.74741	88.97205	9.42216	0.1723176	0.18902701	3.0069080	21	7 26.9	21.5
537103 2015 GU_{51}	15.0	X	203.54384	279.14060	91.60141	18.93864	0.1103924	0.14634612	3.5662785	21	4 18.8	20.9
537104 2015 GX_{51}	16.2	X	304.68236	233.24430	98.70356	14.70213	0.0675800	0.17843637	3.1247393	21	6 18.6	20.4
537105 2015 GC_{52}	16.6	X	349.70154	238.38568	121.56693	15.61977	0.0621195	0.21196611	2.7858545	21	10 10.7	20.4
537106 2015 GH_{52}	17.0	X	215.37182	290.98644	213.46919	8.03114	0.0880556	0.22786767	2.6546926	21	10 5.3	20.8
537107 2015 GY_{52}	17.5	X	218.87818	134.46268	18.38098	9.87286	0.1422986	0.23798527	2.5789089	21	10 15.9	21.2
537108 2015 GB_{53}	16.4	X	341.91059	176.00736	119.37627	15.13497	0.0542304	0.17992366	3.1074957	21	6 25.6	20.5
537109 2015 GE_{53}	17.2	X	184.92835	29.14979	150.22166	14.13131	0.1865300	0.22657862	2.6647518	21	10 16.2	21.7
537110 2015 GR_{53}	17.6	X	207.87594	114.59856	90.51697	14.14810	0.1018529	0.24356979	2.5393376	21	12 14.9	21.1
537111 2015 GS_{53}	17.3	X	108.25418	99.82867	203.62358	13.72516	0.1916449	0.23087730	2.6315719	21	—	—
537112 2015 GV_{53}	17.3	X	192.80508	64.77222	104.49744	9.97916	0.1293994	0.22226650	2.6991066	21	10 14.7	21.6
537113 2015 GD_{54}	16.4	X	261.45729	243.61634	126.03375	15.15237	0.0829593	0.17880677	3.1204226	21	6 10.6	21.1
537114 2015 GE_{54}	16.5	X	263.76760	253.43419	123.64817	13.05926	0.0221404	0.18119931	3.0928939	21	6 29.4	20.9
537115 2015 HD	19.0	X	80.86867	265.48739	41.77368	22.11611	0.1399831	0.39203784	1.8489169	21	—	—
537116 2015 HO	17.0	X	251.67644	63.69706	43.46441	15.71405	0.0964966	0.23058854	2.6337683	21	10 7.6	20.7
537117 2015 HY_{2}	17.2	X	151.85163	326.22361	230.60559	12.59469	0.1259475	0.22879868	2.6474862	21	10 1.0	21.6
537118 2015 HZ_{2}	16.9	X	73.33796	329.26341	314.81770	12.86308	0.1538614	0.22571456	2.6715481	21	10 29.0	21.0
537119 2015 HM_{3}	17.8	X	177.13788	238.32075	310.86633	10.06895	0.1281235	0.23654600	2.5893593	21	10 15.1	22.0
537120 2015 HF_{4}	17.2	X	147.86893	324.26738	269.86460	8.52749	0.1158765	0.23885892	2.5726166	21	11 15.4	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
537121 2015 HG_5	16.7	X	196.12509	269.02467	234.02140	13.07967	0.1012522	0.22738265	2.6584664	21	9 6.5	21.0
537122 2015 HN_5	16.0	X	137.36455	167.72129	269.16107	9.75606	0.2011562	0.17889767	3.1193654	21	4 26.1	21.1
537123 2015 HR_5	15.8	X	98.64314	213.70927	268.77610	9.94162	0.1123332	0.17653812	3.1470989	21	4 30.9	20.4
537124 2015 HL_7	16.9	X	98.55958	262.65719	24.58747	12.53625	0.0780723	0.24562994	2.5251190	21	11 27.7	20.7
537125 2015 HL_9	18.8	X	42.71881	140.99378	204.88754	21.66250	0.0537191	0.39507022	1.8394438	21	—	—
537126 2015 HB_{11}	16.1	X	98.99989	156.19210	135.03610	29.77798	0.2042621	0.24169096	2.5524805	21	12 19.8	20.8
537127 2015 HS_{12}	17.5	X	238.04528	102.20006	28.65359	7.24149	0.2605013	0.24118642	2.5560391	21	9 27.5	21.4
537128 2015 HT_{13}	17.3	X	133.98884	84.34338	129.63121	4.79908	0.1208112	0.21925822	2.7237388	21	10 9.3	21.5
537129 2015 HU_{15}	16.6	X	163.66825	196.97460	33.60368	14.33537	0.2101915	0.23675878	2.5878076	21	11 22.0	21.0
537130 2015 HJ_{24}	18.3	X	203.57289	357.85433	173.87190	5.61480	0.2154759	0.23854367	2.5748827	21	10 19.6	22.5
537131 2015 HR_{24}	17.3	X	170.25450	117.27805	35.95177	5.21995	0.0999523	0.21380120	2.7698907	21	8 30.5	21.6
537132 2015 HP_{28}	16.5	X	52.92743	115.25994	72.19023	8.23626	0.1062637	0.17497790	3.1657789	21	5 24.2	20.6
537133 2015 HN_{33}	17.5	X	185.55935	335.29017	171.75732	5.20675	0.1032082	0.21690779	2.7433798	21	9 4.9	21.6
537134 2015 HB_{37}	15.9	X	144.79568	34.01665	63.51712	13.17580	0.1244757	0.17749576	3.1357690	21	5 24.9	20.8
537135 2015 HF_{39}	16.7	X	54.08864	261.49806	58.90872	19.25131	0.1012411	0.22387633	2.6861521	21	11 19.6	20.3
537136 2015 HV_{43}	16.7	X	272.87321	141.29698	285.55919	13.66954	0.0794366	0.23936033	2.5690226	21	9 1.9	20.4
537137 2015 HA_{46}	16.9	X	76.81607	143.66297	69.35584	12.13077	0.0307756	0.19892037	2.9063632	21	7 20.3	21.0
537138 2015 HA_{49}	16.9	X	263.11170	243.84071	146.12137	12.65618	0.0555502	0.19925285	2.9031292	21	7 9.7	21.1
537139 2015 HP_{57}	17.5	X	135.59002	32.49440	256.83495	6.55354	0.1902568	0.23895290	2.5719421	21	—	—
537140 2015 HO_{60}	17.1	X	87.79207	106.52207	153.61580	12.23256	0.1308151	0.20434792	2.8546699	21	10 19.4	21.4
537141 2015 HP_{60}	16.6	X	154.52531	84.72530	139.77691	12.00179	0.0869521	0.22130478	2.7069206	21	11 13.3	20.9
537142 2015 HR_{60}	17.1	X	158.36164	113.23474	121.85845	12.78727	0.1681199	0.22734804	2.6587362	21	11 28.4	21.6
537143 2015 HV_{60}	15.9	X	332.58073	216.18644	123.39151	18.68411	0.2466579	0.17540710	3.1606126	21	7 22.0	19.1
537144 2015 HQ_{61}	17.6	X	93.76881	159.08130	146.56299	2.33510	0.1644764	0.23379981	2.6095960	21	12 23.2	21.6
537145 2015 HK_{69}	16.3	X	100.46344	290.62804	212.06625	17.03679	0.1786762	0.17984342	3.1084199	21	6 8.7	21.1
537146 2015 HS_{69}	17.6	X	193.36688	127.65232	43.74143	5.44030	0.1735273	0.23102033	2.6304856	21	10 12.2	21.9
537147 2015 HB_{74}	16.8	X	330.10359	188.15188	163.93339	2.32180	0.0824260	0.20294152	2.8678435	21	8 20.9	20.3
537148 2015 HV_{74}	15.7	X	304.40463	278.88734	48.08846	11.96008	0.0857251	0.17963347	3.1108414	21	6 7.0	19.9
537149 2015 HP_{75}	16.8	X	163.52710	185.30065	38.05195	15.23761	0.1850854	0.23384654	2.6092483	21	11 14.4	21.1
537150 2015 HF_{78}	17.3	X	313.15290	74.80128	292.17650	1.03434	0.0844843	0.20288777	2.8683499	21	8 14.5	20.7
537151 2015 HX_{78}	17.0	X	112.86716	273.93574	27.69098	12.65862	0.2890665	0.23255205	2.6189222	21	—	—
537152 2015 HQ_{80}	17.4	X	30.59104	94.85597	221.55199	1.42395	0.0798643	0.21251022	2.7810972	21	10 7.8	20.9
537153 2015 HA_{82}	17.3	X	177.16148	130.93385	43.59196	6.15323	0.1903006	0.22468622	2.6796933	21	10 1.4	21.8
537154 2015 HJ_{82}	16.9	X	103.60318	231.96112	44.52313	11.60044	0.1602508	0.22468430	2.6797086	21	11 24.5	21.1
537155 2015 HO_{82}	17.1	X	44.09585	136.06327	205.85659	5.00763	0.2150837	0.22337863	2.6901405	21	12 20.1	20.9
537156 2015 HH_{83}	17.4	X	149.51562	40.98091	208.62433	3.81043	0.2319987	0.23394010	2.6085526	21	12 5.6	21.9
537157 2015 HN_{85}	17.6	X	47.87843	142.94911	180.03742	5.32988	0.0252325	0.22648143	2.6655141	21	11 5.1	21.1
537158 2015 HM_{86}	17.3	X	130.22426	79.89578	131.61890	4.26369	0.0325014	0.21450440	2.7638337	21	9 25.9	21.1
537159 2015 HA_{87}	17.1	X	123.12283	89.13143	53.01141	14.53979	0.2329181	0.19121938	2.9838806	21	7 7.0	22.2
537160 2015 HB_{89}	16.9	X	52.01612	212.22230	75.97835	5.27456	0.0772229	0.20900426	2.8121120	21	10 3.1	20.6
537161 2015 HK_{90}	17.5	X	87.49973	252.47259	59.00285	5.00850	0.1201497	0.23227845	2.6209784	21	12 19.9	21.4
537162 2015 HM_{91}	17.0	X	143.00862	175.70218	52.39336	10.56699	0.0955760	0.22521170	2.6755234	21	11 3.6	20.9
537163 2015 HO_{95}	17.3	X	165.84729	54.10771	115.26808	4.08291	0.1334795	0.21520365	2.7578435	21	9 14.6	21.6
537164 2015 HX_{95}	16.2	X	103.35152	317.10119	195.12023	10.17772	0.1448351	0.18131022	3.0916325	21	6 19.6	20.9
537165 2015 HG_{100}	16.8	X	22.93869	340.34312	46.27764	15.15309	0.1317394	0.24166995	2.5526285	21	—	—
537166 2015 HL_{102}	17.4	X	209.48483	271.13097	234.67869	3.28939	0.1316388	0.22595159	2.6696794	21	9 26.1	21.4
537167 2015 HR_{102}	17.1	X	87.63332	47.26308	226.53679	6.33678	0.1245114	0.21998388	2.7177456	21	11 2.4	20.9
537168 2015 HS_{102}	18.0	X	310.05239	245.61407	284.01755	0.90799	0.1335863	0.28150792	2.3057327	21	—	—
537169 2015 HT_{102}	17.4	X	157.63481	194.16562	27.77136	14.19813	0.1116650	0.23230252	2.6207973	21	11 7.9	21.5
537170 2015 HU_{106}	17.0	X	201.24548	70.16648	77.35619	16.12068	0.1875097	0.22821070	2.6520317	21	9 26.8	21.6
537171 2015 HJ_{107}	17.8	X	137.39003	87.21138	171.92448	15.32988	0.1686392	0.23447544	2.6045807	21	12 8.4	22.4
537172 2015 HR_{116}	18.6	X	12.39204	103.79021	237.54365	20.76013	0.1606546	0.37086779	1.9186245	21	11 28.4	20.0
537173 2015 HE_{121}	17.0	X	253.11918	6.94598	55.01629	6.61779	0.0664955	0.20551173	2.8438825	21	8 9.7	21.0
537174 2015 HU_{123}	17.3	X	125.47541	130.82794	56.17239	4.03656	0.0650358	0.20278072	2.8693593	21	8 21.8	21.5
537175 2015 HK_{127}	17.3	X	209.67581	258.40552	208.90173	3.54515	0.2800841	0.21650264	2.7468013	21	7 30.7	22.2
537176 2015 HN_{135}	17.8	X	91.71339	223.82398	86.60662	3.65351	0.0391358	0.23751561	2.5823074	21	12 16.6	21.3
537177 2015 HQ_{137}	17.2	X	166.76871	150.16624	75.44903	7.04928	0.1159661	0.23462895	2.6034445	21	11 24.6	21.1
537178 2015 HM_{143}	17.2	X	113.41897	13.47939	267.71658	6.10921	0.1688889	0.23462549	2.6034701	21	12 12.2	21.2
537179 2015 HQ_{143}	17.8	X	246.96094	337.20222	272.39189	2.05196	0.1906859	0.28082998	2.3094421	21	—	—
537180 2015 HY_{144}	17.4	X	300.64598	86.40787	21.40666	11.65619	0.0652220	0.24763017	2.5115028	21	12 18.4	20.6
537181 2015 HJ_{148}	17.4	X	156.86303	339.55680	232.93108	10.96450	0.1399531	0.22668362	2.6639289	21	10 27.2	21.7
537182 2015 HU_{149}	17.1	X	213.34829	288.67671	226.99015	14.05696	0.1560470	0.23159827	2.6261075	21	10 9.5	21.3
537183 2015 HO_{150}	16.7	X	110.64161	29.47085	226.70338	12.51560	0.1843160	0.22207993	2.7006181	21	11 9.3	21.1
537184 2015 HB_{151}	17.2	X	117.89970	245.75159	24.98842	13.06850	0.1834457	0.22665749	2.6641336	21	11 30.7	21.8
537185 2015 HP_{152}	16.9	X	175.22413	323.75372	218.40047	11.60193	0.2267056	0.22880193	2.6474612	21	10 4.2	21.5
537186 2015 HX_{154}	16.1	X	101.91062	195.11395	70.20920	14.28803	0.1278262	0.21710586	2.7417111	21	11 10.1	20.3
537187 2015 HF_{155}	17.2	X	212.55638	266.02253	294.12195	6.13504	0.1229123	0.25245454	2.4794038	21	12 12.4	20.6
537188 2015 HX_{155}	16.5	X	33.40821	332.49553	239.63574	16.08680	0.1576775	0.17129330	3.2110160	21	5 31.1	20.2
537189 2015 HO_{156}	18.1	X	241.25468	114.73187	41.74051	4.50350	0.1347767	0.24626085	2.5208043	21	11 17.9	21.4
537190 2015 HY_{158}	17.0	X	7.63224	240.92554	69.66505	3.07452	0.0532749	0.20278913	2.8692800	21	8 24.9	20.6
537191 2015 HE_{161}	16.4	X	277.73967	38.37223	27.84837	13.56487	0.0907341	0.21795651	2.7345728	21	9 17.7	20.1
537192 2015 HK_{163}	16.5	X	24.99462	201.11079	56.39498	9.35428	0.0396945	0.18680660	3.0306881	21	7 7.7	20.6
537193 2015 HL_{166}	15.1	X	170.73563	176.44575	178.41722	6.19708	0.2054939	0.12528659	3.9554841	21	2 25.5	21.4
537194 2015 HQ_{166}	17.2	X	137.73743	43.85971	153.92280	5.08773	0.1253115	0.21236388	2.7823747	21	9 21.5	21.6
537195 2015 HU_{168}	16.7	X	157.72487	102.55928	90.00559	3.58814	0.1294139	0.21926701	2.7236661	21	10 5.9	20.9
537196 2015 HC_{169}	17.2	X	72.54931	93.81565	191.23469	4.96263	0.1490379	0.21370385	2.7707317	21	11 2.9	21.1
537197 2015 HK_{169}	17.2	X	222.61246	293.76344	205.24890	11.79422	0.1952106	0.23350444	2.6117962	21	9 25.1	21.3
537198 2015 HB_{171}	17.6	X	182.75799	149.85219	89.88339	5.48418	0.2069734	0.24417741	2.5351232	21	12 22.2	21.5
537199 2015 HA_{172}	17.2	X	200.26145	187.31945	330.33087	11.38764	0.1275239	0.23159550	2.6261285	21	9 29.0	21.4
537200 2015 HM_{172}	16.6	X	152.01565	260.35600	350.57055	16.74918	0.1863368	0.23829055	2.5767058	21	12 7.4	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
537201 2015 HU_{172}	17.3	X	189.08454	183.28874	13.77520	5.31711	0.1935854	0.24008447	2.5638543	21	11 5.8	21.4
537202 2015 HU_{173}	16.5	X	85.64843	121.74737	166.10276	13.08108	0.1657709	0.22128220	2.7071048	21	11 24.9	20.8
537203 2015 HB_{174}	17.1	X	125.25905	171.92144	66.94236	14.46075	0.1758266	0.22048665	2.7136126	21	11 4.4	21.6
537204 2015 HF_{175}	16.3	X	89.85166	93.71523	58.14359	10.24589	0.0847765	0.17742741	3.1365743	21	5 25.2	20.7
537205 2015 HX_{175}	16.9	X	147.02065	170.14928	69.01172	15.03649	0.1990127	0.23001208	2.6381670	21	11 21.9	21.5
537206 2015 HL_{177}	17.4	X	200.57326	305.15525	224.10813	12.57554	0.1795573	0.23717374	2.5847883	21	10 13.3	21.5
537207 2015 HY_{178}	16.5	X	43.62108	187.83703	120.82335	6.15419	0.1476771	0.20975003	2.8054424	21	10 28.9	20.2
537208 2015 HL_{181}	17.6	X	165.32442	132.56467	96.08516	4.42483	0.2038351	0.23437782	2.6053038	21	11 24.3	21.9
537209 2015 HP_{184}	16.9	X	236.40092	93.11143	41.78492	14.73479	0.1130903	0.22944591	2.6425051	21	10 19.1	20.6
537210 2015 HK_{185}	17.4	X	173.60747	63.56786	100.43130	8.84576	0.1622160	0.21425302	2.7659951	21	9 17.4	22.0
537211 2015 HS_{185}	17.8	X	184.01844	49.42148	177.06535	3.19951	0.1182124	0.23989321	2.5652168	21	12 13.2	21.6
537212 2015 HX_{185}	17.6	X	186.99364	305.59761	260.90910	6.67398	0.1321240	0.23783269	2.5800117	21	11 19.6	21.6
537213 2015 HY_{185}	17.8	X	217.51184	290.59146	230.03849	2.20435	0.0921267	0.23233223	2.6205739	21	10 29.5	21.5
537214 2015 HA_{186}	17.2	X	200.19685	9.52982	187.62321	14.67634	0.1296101	0.23129031	2.6284381	21	11 23.2	21.3
537215 2015 HB_{186}	16.2	X	235.27120	93.86072	296.96499	9.59786	0.0826300	0.17611782	3.1521039	21	6 4.2	21.1
537216 2015 HE_{186}	16.4	X	114.64202	291.77263	204.45148	10.76876	0.1725717	0.17222726	3.1993969	21	6 15.5	21.4
537217 2015 HF_{186}	16.6	X	332.43952	214.23746	99.19882	10.37370	0.0331431	0.17721695	3.1390570	21	7 6.5	20.7
537218 2015 HG_{186}	16.2	X	343.86894	233.56828	96.30299	9.85410	0.1482752	0.18327803	3.0694633	21	8 11.8	19.7
537219 2015 HJ_{186}	16.9	X	60.65600	165.68125	120.98292	5.35142	0.0397089	0.21038728	2.7997746	21	10 7.0	20.7
537220 2015 HM_{186}	16.4	X	95.85849	1.24115	190.62545	14.46613	0.0772751	0.18002863	3.1062876	21	7 19.5	21.1
537221 2015 HN_{186}	17.9	X	203.02310	316.03762	227.11672	11.15720	0.1380243	0.24191710	2.5508897	21	11 7.5	21.7
537222 2015 HO_{186}	17.1	X	109.09339	238.79784	3.16732	13.69258	0.0408754	0.21616404	2.7496690	21	10 6.7	20.9
537223 2015 HS_{186}	16.7	X	112.65339	251.75799	280.13465	8.97851	0.0445231	0.18978374	2.9989097	21	7 12.6	21.0
537224 2015 HT_{186}	16.5	X	158.86219	43.05781	73.25482	10.76259	0.0773873	0.18521134	3.0480658	21	6 28.7	21.1
537225 2015 HU_{186}	18.1	X	155.27519	199.47966	66.87276	16.16348	0.0901899	0.24312245	2.5424515	21	—	—
537226 2015 HY_{186}	16.2	X	7.51045	57.58094	209.72345	3.26350	0.1446548	0.17628707	3.1500860	21	6 27.1	19.7
537227 2015 HE_{187}	16.2	X	292.00364	232.65142	135.03798	16.93421	0.0968599	0.17510693	3.1642236	21	7 12.7	20.7
537228 2015 HF_{187}	15.7	X	137.43827	19.98979	127.23061	17.63336	0.1276472	0.17947764	3.1126418	21	7 17.9	20.5
537229 2015 HM_{187}	17.3	X	199.23307	38.83784	179.49210	15.65751	0.1156854	0.24050921	2.5608349	21	12 19.5	21.4
537230 2015 HO_{187}	16.9	X	41.28427	291.55775	340.87691	9.02660	0.0104508	0.20044607	2.8915964	21	8 17.5	20.8
537231 2015 HR_{187}	16.8	X	21.46692	246.52107	99.60085	8.31120	0.0319687	0.21479797	2.7613149	21	11 1.2	20.6
537232 2015 HT_{187}	16.5	X	91.05479	21.61327	163.50340	10.26943	0.0500849	0.17615435	3.1516681	21	7 3.2	21.1
537233 2015 HU_{187}	15.9	X	154.63934	17.52356	81.51634	11.08897	0.1166039	0.17778208	3.1324013	21	6 5.5	20.6
537234 2015 HY_{187}	16.9	X	187.37892	300.57985	191.26085	11.46571	0.1248749	0.21175127	2.7877385	21	8 15.1	21.4
537235 2015 HZ_{187}	16.9	X	81.85847	154.73075	103.73046	4.97482	0.0836952	0.21100334	2.7943223	21	10 4.1	20.8
537236 2015 HA_{188}	16.8	X	357.31007	332.78412	67.64075	14.26730	0.1624066	0.23543662	2.5974870	21	12 22.6	19.6
537237 2015 HB_{188}	17.3	X	151.27639	36.67575	167.40413	4.61568	0.0298972	0.21730148	2.7400654	21	10 11.4	21.2
537238 2015 HF_{188}	17.1	X	67.30545	324.74987	355.26427	5.90411	0.0585736	0.22624356	2.6673821	21	11 28.1	20.8
537239 2015 HG_{188}	18.1	X	145.38813	128.27026	148.95517	3.57178	0.1962606	0.23745848	2.5827216	21	—	—
537240 2015 HL_{188}	17.5	X	136.12744	117.00945	148.79789	9.59206	0.0967306	0.23643540	2.5901667	21	12 14.1	21.5
537241 2015 HQ_{188}	17.2	X	228.82572	12.86329	85.97377	5.49917	0.0309629	0.21519437	2.7579228	21	9 1.8	21.1
537242 2015 HS_{188}	17.6	X	176.93971	229.28593	355.51709	15.17646	0.0763968	0.23991268	2.5650780	21	12 3.3	21.6
537243 2015 HU_{188}	17.1	X	136.36871	13.00636	247.23453	14.30658	0.1720271	0.23301056	2.6154855	21	12 7.0	21.4
537244 2015 HJ_{189}	16.8	X	254.39773	140.29476	7.32726	12.86018	0.0911198	0.24201414	2.5502077	21	11 26.4	20.3
537245 2015 HU_{189}	16.7	X	237.90735	27.27385	146.92569	13.64690	0.1854895	0.24193682	2.5507511	21	12 1.9	20.5
537246 2015 HD_{190}	16.9	X	67.16560	263.52562	53.43392	7.17193	0.1249013	0.22158547	2.7046342	21	12 2.9	20.6
537247 2015 HK_{190}	16.7	X	144.24505	249.21584	291.15814	11.79245	0.1034568	0.21659839	2.7459918	21	8 30.3	21.1
537248 2015 HL_{190}	17.2	X	175.61009	276.09648	278.98040	12.40679	0.1071786	0.23669124	2.5882999	21	10 22.1	21.5
537249 2015 HM_{190}	17.4	X	142.99471	181.26391	105.07882	4.33023	0.1860789	0.24046160	2.5611729	21	—	—
537250 2015 HP_{190}	17.4	X	126.84553	51.12572	214.98811	13.82010	0.1439783	0.23377508	2.6097801	21	12 5.5	21.6
537251 2015 HR_{190}	17.5	X	195.50077	324.05630	153.20280	2.49081	0.0129238	0.20133916	2.8830392	21	8 12.6	21.6
537252 2015 HS_{190}	17.9	X	242.55950	60.45108	96.20837	2.97798	0.1049599	0.24398958	2.5364240	21	11 24.8	21.1
537253 2015 HE_{191}	18.1	X	229.92392	257.94212	275.38182	3.27545	0.1381457	0.24413097	2.5354446	21	11 24.8	21.5
537254 2015 HM_{191}	17.2	X	156.21065	213.41646	49.43116	12.70128	0.1431779	0.24101438	2.5572552	21	12 28.8	21.4
537255 2015 HT_{191}	16.9	X	53.06960	157.49999	90.78590	12.13329	0.0705617	0.18824927	3.0151842	21	8 10.3	21.0
537256 2015 HV_{191}	17.2	X	163.90911	89.32626	84.39897	6.53587	0.0656181	0.20846905	2.8169231	21	9 19.4	21.4
537257 2015 HD_{192}	16.9	X	108.11330	102.87269	100.66151	10.91435	0.0274591	0.19266770	2.9689082	21	8 17.9	21.1
537258 2015 HR_{192}	17.3	X	160.77418	94.62497	88.59337	13.96307	0.1309306	0.21235324	2.7824676	21	10 2.6	22.0
537259 2015 HC_{193}	17.1	X	13.58469	340.56506	52.69119	15.53734	0.0960993	0.23983168	2.5656555	21	12 31.1	20.5
537260 2015 HL_{193}	17.5	X	234.23681	289.14073	214.03125	12.38802	0.1987536	0.23602561	2.5931639	21	10 12.8	21.5
537261 2015 HX_{193}	17.0	X	101.01096	210.01672	118.63767	6.33388	0.1456916	0.24079775	2.5587888	21	—	—
537262 2015 HN_{194}	16.9	X	63.50004	103.05876	133.05732	14.01928	0.1355639	0.18388662	3.0626871	21	8 16.2	20.9
537263 2015 HP_{194}	16.6	X	35.61533	95.53947	157.01104	11.81106	0.1226624	0.17659038	3.1464779	21	7 23.4	20.7
537264 2015 HU_{196}	17.1	X	24.88012	9.97806	276.77355	4.80691	0.0418241	0.19956877	2.9000645	21	8 13.9	21.0
537265 2015 HV_{196}	15.7	X	290.91090	236.46164	89.66843	28.23614	0.2333170	0.17409602	3.1764607	21	5 11.1	20.7
537266 2015 HW_{196}	16.2	X	171.20126	230.93796	209.31023	15.51152	0.0954208	0.17155133	3.2077953	21	5 29.7	21.3
537267 2015 HY_{196}	17.4	X	111.41754	81.39496	150.36263	5.51524	0.0576446	0.21222829	2.7835596	21	10 1.3	21.4
537268 2015 JA	17.1	X	173.16365	77.37839	118.10968	29.30386	0.3247123	0.23417273	2.6068248	21	10 31.2	22.5
537269 2015 JJ_{3}	17.0	X	193.00159	259.88215	267.90062	11.51923	0.2141187	0.22969138	2.6406221	21	9 28.1	21.7
537270 2015 JJ_{7}	16.9	X	312.08324	2.07962	66.79164	23.23300	0.0400792	0.23618573	2.5919917	21	11 16.6	20.2
537271 2015 JC_{12}	17.7	X	55.48099	65.15057	214.89088	20.89130	0.0448941	0.35943178	1.9591081	21	10 5.3	19.7
537272 2015 JN_{12}	17.5	X	137.91707	192.72173	78.44903	3.26482	0.1777078	0.23370762	2.6102823	21	12 21.3	21.9
537273 2015 JS_{13}	16.7	X	171.34946	5.66278	103.21886	6.95586	0.1554689	0.19133716	2.9826560	21	7 4.5	21.6
537274 2015 JW_{13}	17.1	X	59.67270	214.30073	108.89111	6.43307	0.0944520	0.22488269	2.6781323	21	11 30.0	20.8
537275 2015 JX_{13}	17.9	X	192.50185	183.87090	41.55602	5.13685	0.1216101	0.24386840	2.5372642	21	12 20.7	21.7
537276 2015 JY_{13}	17.4	X	159.43506	14.92305	238.66237	14.34019	0.0984400	0.23842112	2.5757650	21	12 21.2	21.4
537277 2015 JA_{14}	15.9	X	271.07690	310.54094	40.91246	11.83467	0.0940685	0.17032164	3.2232167	21	5 24.9	20.7
537278 2015 JB_{14}	16.6	X	96.20643	23.13154	135.11263	14.32447	0.1541896	0.17808307	3.1288708	21	6 21.6	21.3
537279 2015 JP_{14}	17.1	X	293.72137	182.21472	269.37863	3.67295	0.1643721	0.23570175	2.5955387	21	11 1.4	20.0
537280 2015 JB_{15}	16.1	X	117.00584	88.50967	66.82222	17.10190	0.0695987	0.18136072	3.0910585	21	6 29.4	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
537281 2015 JS_{15}	17.1	X	235.16819	9.61412	141.62715	14.23398	0.0876287	0.22463460	2.6801038	21	11 12.2	21.1
537282 2015 JA_{16}	17.2	X	217.00912	295.67198	254.28569	13.48322	0.0543886	0.23739446	2.5831859	21	12 10.9	20.8
537283 2015 JE_{16}	15.8	X	201.17303	168.90918	264.26425	15.03803	0.0830511	0.17446841	3.1719391	21	6 20.3	20.6
537284 2015 KD	18.2	X	60.91935	73.91975	245.73260	23.39353	0.0943538	0.38273596	1.8787538	21	12 24.2	20.4
537285 2015 KT	16.4	X	157.95615	135.04742	100.52775	29.03620	0.2051811	0.23223648	2.6212941	21	12 2.7	21.2
537286 2015 KQ_{1}	16.5	X	89.47945	246.06913	241.34092	12.19631	0.2501684	0.18011887	3.1052500	21	5 17.6	20.8
537287 2015 KS_{1}	16.9	X	105.93914	346.81552	275.74840	8.64914	0.2394450	0.22580145	2.6708627	21	11 15.4	21.5
537288 2015 KR_{2}	16.8	X	104.47495	351.09902	293.81291	13.40348	0.1323677	0.23961257	2.5672194	21	12 6.8	20.9
537289 2015 KT_{2}	16.3	X	68.02322	267.07325	248.30962	14.72227	0.1373683	0.17866434	3.1220807	21	5 7.0	20.4
537290 2015 KX_{6}	16.5	X	331.77695	218.57078	94.93766	15.53880	0.1301694	0.17588527	3.1548816	21	6 27.0	20.2
537291 2015 KA_{8}	17.7	X	153.54310	65.26789	152.03589	7.93830	0.1661071	0.22134663	2.7065794	21	11 2.1	22.2
537292 2015 KS_{8}	17.5	X	136.19984	147.01581	168.43942	6.91103	0.2475435	0.24257980	2.5462417	21	—	—
537293 2015 KB_{10}	16.9	X	116.25899	101.12457	189.69919	12.32462	0.1732768	0.22871946	2.6480975	21	12 24.9	21.4
537294 2015 KD_{10}	17.4	X	118.03969	95.30085	119.28395	12.39125	0.1193842	0.20528715	2.8459561	21	9 25.5	21.9
537295 2015 KT_{11}	17.3	X	174.93968	2.27170	172.53016	9.54924	0.1078852	0.21446326	2.7641872	21	9 29.8	21.6
537296 2015 KW_{12}	17.4	X	179.61852	25.37493	199.88610	14.36784	0.0606960	0.23354164	2.6115189	21	12 10.4	21.4
537297 2015 KR_{13}	16.0	X	27.78199	172.10802	93.71589	23.64995	0.1221525	0.18136146	3.0910502	21	7 31.5	20.0
537298 2015 KF_{15}	17.6	X	142.38742	172.40830	106.30687	12.89441	0.1640497	0.23540420	2.5977254	21	—	—
537299 2015 KM_{15}	16.2	X	17.34317	188.45477	99.29870	17.56991	0.1672653	0.18198652	3.0839683	21	8 19.8	19.9
537300 2015 KN_{16}	17.6	X	220.59744	35.22080	145.07447	9.28154	0.0595972	0.23580678	2.5947679	21	12 3.9	21.3
537301 2015 KR_{23}	17.8	X	143.91504	146.46114	127.49976	12.07951	0.1635132	0.23984438	2.5655650	21	12 30.9	22.1
537302 2015 KE_{24}	16.4	X	100.16569	16.32808	253.47843	8.11684	0.1177794	0.21445465	2.7642612	21	11 8.6	20.6
537303 2015 KV_{24}	16.7	X	141.32345	12.07900	126.21859	11.83897	0.0286758	0.18066764	3.0989588	21	7 3.4	21.3
537304 2015 KC_{25}	16.9	X	132.52701	161.74814	89.97395	8.67824	0.1971973	0.22596392	2.6695823	21	11 24.8	21.4
537305 2015 KM_{26}	16.8	X	93.60548	218.57083	42.31675	14.13304	0.1361627	0.21245307	2.7815959	21	10 26.0	20.9
537306 2015 KC_{29}	17.7	X	140.22177	227.01384	38.93828	14.96148	0.1684869	0.23510579	2.5999231	21	12 15.5	22.1
537307 2015 KD_{29}	16.4	X	347.29628	326.64492	359.93019	5.67045	0.1118288	0.19316490	2.9638115	21	8 14.7	19.8
537308 2015 KK_{30}	16.7	X	113.32546	246.95943	276.64113	3.45121	0.1802165	0.19005246	2.9960822	21	7 18.7	21.3
537309 2015 KB_{31}	17.5	X	114.53232	4.46115	286.20948	2.08180	0.1633075	0.23209233	2.6223794	21	12 23.8	21.6
537310 2015 KJ_{32}	16.1	X	165.90950	44.82484	46.52714	27.69211	0.1652028	0.17950669	3.1123060	21	6 2.7	21.5
537311 2015 KW_{34}	17.2	X	102.97138	243.12384	45.41842	14.29009	0.1944904	0.22557577	2.6726438	21	12 10.1	21.7
537312 2015 KJ_{35}	17.0	X	91.93256	8.24932	290.15715	3.91554	0.1266509	0.22681204	2.6629232	21	12 8.3	21.0
537313 2015 KH_{37}	17.1	X	200.42968	62.64278	136.25757	14.64798	0.0687817	0.23332278	2.6131517	21	12 3.3	21.1
537314 2015 KO_{37}	17.8	X	151.89064	123.54007	140.48596	5.62521	0.0771171	0.23632057	2.5910057	21	12 27.3	21.6
537315 2015 KX_{39}	16.1	X	302.66248	313.51016	67.87189	13.00475	0.0716511	0.19502307	2.9449554	21	8 25.8	20.2
537316 2015 KD_{41}	15.7	X	21.82926	333.15018	232.39204	19.07650	0.1507764	0.15859013	3.3802743	21	5 1.2	19.7
537317 2015 KV_{44}	17.1	X	192.90309	331.77354	245.81780	9.72120	0.1239204	0.23789133	2.5795878	21	12 10.4	21.0
537318 2015 KQ_{45}	16.3	X	72.23363	120.76620	74.92831	11.77166	0.1647457	0.17720804	3.1391623	21	7 10.4	20.6
537319 2015 KA_{46}	17.0	X	126.54365	231.81715	72.83031	9.84405	0.1891315	0.23638224	2.5905550	21	—	—
537320 2015 KU_{48}	16.3	X	29.73585	175.70199	83.36346	14.01833	0.1014767	0.17921365	3.1156978	21	7 22.9	20.3
537321 2015 KC_{51}	16.9	X	117.54671	11.23172	249.61118	12.72340	0.1688577	0.21828546	2.7318248	21	11 19.2	21.4
537322 2015 KL_{55}	17.2	X	161.45381	348.95029	245.08813	3.01340	0.0389508	0.22843459	2.6502986	21	11 30.6	21.0
537323 2015 KC_{58}	17.4	X	181.10279	341.85071	222.58527	3.46908	0.2075900	0.23468166	2.6030546	21	11 7.8	21.7
537324 2015 KM_{59}	17.8	X	181.82274	106.28024	122.20799	5.22590	0.2043381	0.23826227	2.5769097	21	12 8.0	22.1
537325 2015 KW_{59}	17.2	X	135.86869	153.70997	123.59861	11.96882	0.0936303	0.23480051	2.6021761	21	12 26.9	21.2
537326 2015 KN_{63}	17.5	X	209.99481	37.69544	116.33809	8.70538	0.1669952	0.22859047	2.6490936	21	10 9.6	21.7
537327 2015 KU_{64}	17.3	X	153.67578	47.58106	215.63814	17.38779	0.1887415	0.23905199	2.5712313	21	12 23.9	21.8
537328 2015 KV_{69}	16.9	X	131.83842	352.78966	154.43144	10.99740	0.1886696	0.19169618	2.9789308	21	7 16.4	21.8
537329 2015 KX_{74}	17.4	X	220.41783	310.30882	200.78942	10.84583	0.0838783	0.22603795	2.6689994	21	10 21.6	21.2
537330 2015 KL_{75}	17.9	X	113.88410	89.16168	206.30383	11.88258	0.2661018	0.22765310	2.6563604	21	12 30.7	22.8
537331 2015 KY_{76}	16.1	X	84.33814	12.66487	113.14486	9.74226	0.0584211	0.15282744	3.4647227	21	4 18.7	21.1
537332 2015 KJ_{79}	17.6	X	194.92564	15.34642	183.39949	9.39894	0.1452301	0.23506832	2.6001993	21	11 18.9	21.7
537333 2015 KS_{83}	16.3	X	82.06221	101.14938	113.45131	12.68805	0.0270637	0.18946223	3.0023014	21	7 27.4	20.4
537334 2015 KP_{86}	17.5	X	163.91736	43.60296	187.15718	12.11806	0.1178270	0.23318934	2.6141485	21	11 28.8	21.7
537335 2015 KG_{93}	16.8	X	96.21134	61.80193	214.97084	12.26366	0.1615424	0.21542513	2.7559530	21	11 18.8	21.1
537336 2015 KO_{110}	17.2	X	155.00569	109.50869	97.81406	10.67793	0.2102356	0.21842416	2.7306682	21	10 24.5	22.0
537337 2015 KJ_{111}	17.0	X	142.00786	20.12452	188.65159	8.14279	0.1757272	0.21206430	2.7849945	21	10 10.1	21.6
537338 2015 KH_{112}	16.5	X	296.84012	255.67920	125.36782	12.76083	0.0451012	0.18977558	2.9989956	21	8 14.9	20.5
537339 2015 KX_{113}	16.7	X	347.57048	173.04234	121.94237	9.89377	0.0543426	0.17444320	3.1722448	21	7 2.6	20.9
537340 2015 KD_{114}	16.6	X	30.33333	192.05166	92.23652	6.11863	0.1595486	0.18895062	3.0077184	21	9 5.6	20.2
537341 2015 KF_{118}	17.4	X	128.14647	105.34855	188.85829	12.41572	0.2044914	0.23130820	2.6283026	21	—	—
537342 2015 KN_{120}	20.4	X	332.32366	127.08303	189.71607	18.56056	0.3908230	0.48657210	1.6009260	21	4 15.8	21.1
537343 2015 KK_{125}	17.0	X	27.25776	259.43542	72.23271	7.13310	0.0483247	0.21763281	2.7372836	21	10 22.9	20.6
537344 2015 KK_{129}	17.4	X	138.13217	176.95951	104.05415	3.79951	0.1801536	0.23925836	2.5697525	21	—	—
537345 2015 KM_{130}	17.5	X	149.99655	60.80251	166.52720	9.96003	0.0593592	0.22052329	2.7133120	21	11 10.4	21.6
537346 2015 KN_{130}	17.9	X	170.14992	67.60221	193.66449	6.78858	0.1756236	0.24339082	2.5405822	21	—	—
537347 2015 KK_{132}	16.4	X	3.33376	244.69180	83.52249	18.42136	0.2115485	0.17723762	3.1388130	21	9 28.5	20.2
537348 2015 KC_{133}	16.7	X	70.89421	152.66641	188.04265	18.10675	0.1967065	0.22725700	2.6594462	21	—	—
537349 2015 KM_{135}	17.5	X	201.01434	303.53001	237.18835	11.72939	0.2022025	0.23488834	2.6015274	21	10 26.1	21.7
537350 2015 KM_{141}	17.4	X	227.07808	309.75650	225.87735	4.57048	0.1316835	0.24012549	2.5635623	21	11 25.3	20.8
537351 2015 KW_{141}	16.6	X	50.61740	359.44589	243.40608	10.63137	0.0606411	0.18507223	3.0495930	21	7 23.2	20.9
537352 2015 KF_{146}	17.1	X	122.00056	256.42915	50.04375	12.90528	0.2299029	0.23619278	2.5919402	21	—	—
537353 2015 KD_{147}	17.2	X	176.80518	80.08104	133.04067	13.14880	0.2007050	0.22783009	2.6549845	21	11 18.1	21.9
537354 2015 KF_{156}	18.4	X	25.98542	163.29923	184.35943	22.35724	0.0579083	0.37594188	1.9013216	21	12 13.6	20.9
537355 2015 KN_{163}	17.8	X	75.81549	60.71453	255.89601	19.60526	0.0319390	0.36955213	1.9231755	21	12 30.6	19.9
537356 2015 KP_{163}	15.3	X	194.30676	333.13111	355.84810	3.23511	0.0747231	0.12507247	3.9599974	21	2 15.7	21.1
537357 2015 KF_{165}	17.1	X	56.97352	138.94693	145.92671	2.68922	0.0367651	0.20150393	2.8814673	21	9 26.6	20.9
537358 2015 KQ_{165}	17.6	X	196.30519	290.32426	232.01930	11.75360	0.2084794	0.22345395	2.6895360	21	9 26.2	22.2
537359 2015 KV_{165}	16.7	X	75.61576	336.26391	237.40859	9.63931	0.0555072	0.18230617	3.0803623	21	7 18.9	21.1
537360 2015 KX_{165}	16.7	X	315.58613	259.79658	70.44661	10.71942	0.0612179	0.17558971	3.1584209	21	7 1.9	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
537361 2015 KC_{166}	16.2	X	325.48653	234.79103	103.58894	13.31584	0.1114060	0.17918782	3.1159972	21	7 22.8	20.1
537362 2015 KD_{166}	16.5	X	296.84689	218.03867	170.32425	10.47291	0.0987276	0.18921119	3.0049564	21	8 14.5	20.4
537363 2015 KT_{166}	17.3	X	145.85407	15.30186	237.79327	10.88773	0.1388036	0.22904814	2.6455636	21	12 6.3	21.5
537364 2015 KX_{166}	17.1	X	45.31494	188.67435	155.50014	5.14573	0.1295215	0.21650713	2.7467634	21	12 11.5	20.9
537365 2015 KD_{167}	16.6	X	127.59184	69.14932	96.81623	10.60451	0.0315611	0.18257859	3.0772975	21	7 22.9	21.0
537366 2015 KE_{167}	16.4	X	198.65534	232.35301	223.93941	12.10331	0.0658763	0.18304790	3.0720354	21	7 14.5	21.3
537367 2015 KF_{167}	17.5	X	7.12722	187.01156	186.59133	5.40110	0.0571840	0.21723567	2.7406188	21	11 17.6	21.0
537368 2015 KG_{167}	15.9	X	359.15866	168.54126	118.13049	14.15883	0.0708719	0.17463668	3.1699013	21	7 8.7	19.9
537369 2015 KT_{167}	17.3	X	221.17988	49.44889	108.42063	6.64588	0.0860482	0.22414250	2.6840251	21	11 1.9	21.2
537370 2015 KY_{167}	17.5	X	89.03235	272.87688	37.33585	9.62498	0.0598707	0.22808484	2.6530072	21	12 12.4	21.3
537371 2015 KA_{168}	16.1	X	223.57846	311.07474	107.80156	10.03478	0.0827569	0.17712636	3.1401272	21	6 26.9	20.7
537372 2015 KF_{168}	16.4	X	76.49866	16.17853	220.64026	9.31808	0.0432173	0.19067851	2.9895206	21	8 16.3	20.7
537373 2015 KG_{168}	16.5	X	55.46216	285.03442	294.92323	4.86210	0.0574455	0.18000119	3.1066033	21	7 2.8	20.7
537374 2015 KM_{168}	17.5	X	105.89779	191.92717	122.78420	3.32836	0.1053470	0.23448182	2.6045334	21	—	—
537375 2015 KN_{168}	16.2	X	295.11210	219.12646	135.27383	10.13335	0.0969643	0.17531601	3.1617073	21	6 29.9	20.6
537376 2015 KQ_{168}	17.3	X	166.75600	175.35280	39.28791	9.40794	0.0455682	0.22766239	2.6562882	21	11 11.3	21.2
537377 2015 KX_{168}	16.6	X	310.66007	246.04376	127.73244	12.83959	0.0781745	0.19477165	2.9474892	21	8 21.8	20.4
537378 2015 KW_{169}	17.4	X	132.23867	161.04318	88.08486	4.59676	0.0504761	0.22160381	2.7044850	21	11 15.9	21.2
537379 2015 KN_{170}	17.3	X	117.07779	206.33749	96.22301	10.70231	0.1378053	0.23208421	2.6224406	21	—	—
537380 2015 KZ_{170}	17.5	X	235.06256	19.09050	118.52155	6.00004	0.0643563	0.22027756	2.7153295	21	10 26.2	21.3
537381 2015 KF_{171}	17.2	X	153.66689	14.70486	248.56677	11.72236	0.1280494	0.23781348	2.5801507	21	12 26.3	21.3
537382 2015 KJ_{171}	17.7	X	254.06945	249.45646	269.65984	1.81256	0.0671678	0.24255835	2.5463918	21	12 18.3	20.9
537383 2015 KR_{171}	16.6	X	354.32870	170.61329	168.68715	11.00359	0.0930332	0.19151401	2.9808195	21	9 10.9	20.3
537384 2015 KV_{171}	17.1	X	103.11161	238.50121	63.62540	11.70808	0.1323821	0.21614108	2.7498637	21	12 22.1	21.4
537385 2015 KC_{172}	15.7	X	128.96270	10.19101	113.09445	27.24975	0.0690667	0.17565222	3.1576716	21	6 9.6	20.7
537386 2015 KN_{172}	17.1	X	272.94468	199.71373	253.77963	12.53164	0.2141506	0.22877849	2.6476420	21	9 16.7	20.8
537387 2015 KO_{172}	16.8	X	69.09227	327.24181	310.74243	8.07604	0.0992200	0.21102892	2.7940965	21	10 8.6	20.8
537388 2015 KP_{172}	16.2	X	26.65025	204.48897	50.95147	11.59369	0.0789466	0.17844935	3.1245878	21	7 10.9	20.4
537389 2015 KT_{172}	16.4	X	217.39428	173.25216	240.83295	16.89783	0.0638121	0.17678889	3.1441221	21	6 14.6	21.2
537390 2015 KV_{172}	16.9	X	247.25359	269.51797	133.85704	10.01164	0.1081199	0.18506450	3.0496779	21	7 1.1	21.5
537391 2015 KX_{172}	16.5	X	232.06073	335.38547	86.85460	9.99317	0.0900129	0.18247437	3.0784691	21	7 10.0	21.1
537392 2015 KY_{172}	16.7	X	70.39043	350.98933	234.64993	10.70733	0.0592048	0.18872940	3.0100682	21	7 27.2	21.0
537393 2015 KA_{173}	17.2	X	143.50241	333.72384	275.64666	11.60411	0.1794705	0.22838129	2.6507109	21	11 29.2	21.7
537394 2015 LP	17.3	X	112.24370	171.38815	102.61396	14.70511	0.1792613	0.22437059	2.6822058	21	12 4.1	21.7
537395 2015 LG_{2}	20.3	X	63.11953	188.87393	133.13019	21.28657	0.1816372	0.69737055	1.2593902	21	—	—
537396 2015 LK_{2}	16.6	X	131.25861	140.60055	125.98143	13.71897	0.1779191	0.23048728	2.6345397	21	12 11.9	21.2
537397 2015 LL_{3}	16.1	X	35.77590	7.92074	282.62388	9.62500	0.1061156	0.19997095	2.8961748	21	9 7.9	20.0
537398 2015 LZ_{6}	18.3	X	341.63592	139.47746	237.69327	18.65160	0.0883635	0.36709286	1.9317552	21	11 16.1	19.5
537399 2015 LP_{7}	16.9	X	168.35067	117.23112	113.14070	13.63174	0.1464157	0.23064974	2.6333024	21	12 2.3	21.2
537400 2015 LH_{11}	18.4	X	112.96416	336.79497	285.44576	17.56417	0.0637469	0.37009660	1.9212888	21	12 5.5	20.7
537401 2015 LG_{12}	17.2	X	188.05215	108.11172	109.72058	6.10517	0.1395915	0.23510734	2.5999116	21	12 4.9	21.1
537402 2015 LU_{12}	17.4	X	149.60764	72.28593	210.55068	12.30829	0.2678184	0.23689294	2.5868305	21	—	—
537403 2015 LD_{13}	17.4	X	105.15893	91.01314	200.03794	14.22342	0.1623909	0.22193212	2.7018170	21	12 14.3	21.9
537404 2015 LM_{13}	17.5	X	149.37859	51.86050	199.88577	13.15051	0.2212931	0.22788813	2.6545337	21	12 7.6	22.3
537405 2015 LC_{14}	16.4	X	127.86031	316.44596	6.68151	12.20389	0.2954708	0.24060580	2.5601494	21	—	—
537406 2015 LU_{20}	17.0	X	125.78975	113.41242	168.73558	19.98765	0.2483251	0.21363492	2.7713277	21	12 23.6	22.2
537407 2015 LJ_{23}	16.0	X	40.33800	191.28017	81.95482	13.40382	0.2213463	0.18565502	3.0432076	21	9 20.9	20.0
537408 2015 LV_{23}	17.5	X	173.64895	100.56654	118.26607	9.72939	0.2976327	0.22320593	2.6915280	21	11 17.5	22.5
537409 2015 LL_{25}	16.0	X	33.02766	201.80458	91.19330	14.59328	0.0948964	0.19204402	2.9753326	21	9 18.0	20.1
537410 2015 LX_{26}	16.8	X	10.43554	109.22513	170.31208	5.17036	0.0936363	0.17556290	3.1587425	21	7 16.6	20.7
537411 2015 LT_{27}	16.7	X	145.41556	356.14000	217.42482	12.17334	0.1020714	0.21301830	2.7766732	21	10 15.7	20.9
537412 2015 LA_{30}	18.6	X	109.15713	74.48110	281.34509	13.95614	0.1112948	0.40348137	1.8137902	21	—	—
537413 2015 LH_{31}	16.1	X	35.71530	8.20433	278.27379	9.70501	0.1001669	0.17681641	3.1437958	21	8 30.9	20.4
537414 2015 LL_{32}	17.0	X	90.70694	15.22754	297.92446	8.29012	0.1499327	0.21200986	2.7854713	21	12 24.9	21.3
537415 2015 LL_{35}	17.2	X	177.40497	133.55526	100.36003	8.95952	0.2122376	0.23946769	2.5682548	21	12 10.5	21.6
537416 2015 LB_{36}	17.9	X	143.75432	17.19494	254.39904	17.59773	0.0523081	0.38372449	1.8755258	21	—	—
537417 2015 LT_{36}	17.5	X	129.25676	234.39061	76.98069	14.22453	0.2875901	0.23827131	2.5768445	21	—	—
537418 2015 LZ_{37}	17.6	X	138.99093	69.38961	168.81959	4.70158	0.1069049	0.22169663	2.7037300	21	11 11.8	21.9
537419 2015 LE_{38}	16.8	X	156.02525	160.89017	94.95378	19.49320	0.1803312	0.23205053	2.6226943	21	12 18.9	21.2
537420 2015 LP_{40}	16.5	X	149.81637	148.75959	67.19733	15.67822	0.1631874	0.21806136	2.7336961	21	10 30.2	21.1
537421 2015 LA_{41}	18.1	X	3.74444	116.61591	256.19163	18.88151	0.1256734	0.35971890	1.9580655	21	12 23.0	19.7
537422 2015 LZ_{41}	16.3	X	76.49812	45.04097	207.73111	12.18636	0.0491510	0.17664506	3.1458286	21	9 5.9	20.9
537423 2015 LE_{42}	17.2	X	104.24725	65.89139	221.66058	2.22690	0.1120681	0.22109266	2.7086517	21	12 5.9	21.2
537424 2015 LF_{42}	16.9	X	0.65513	246.94066	108.45661	6.75619	0.0815229	0.20345775	2.8629904	21	10 17.3	20.5
537425 2015 LO_{42}	16.4	X	216.08743	255.34741	176.51852	9.70862	0.0679978	0.17624961	3.1505323	21	7 5.1	21.2
537426 2015 LP_{42}	15.4	X	33.26797	296.67534	332.19548	7.57336	0.2074215	0.17492085	3.1664673	21	8 23.4	19.1
537427 2015 LQ_{42}	16.0	X	18.75111	357.39279	305.58684	5.08025	0.1448049	0.17756860	3.1349114	21	9 3.3	19.7
537428 2015 LR_{42}	15.9	X	113.24919	88.71267	109.72737	21.67828	0.1270326	0.17826672	3.1267214	21	8 30.1	20.9
537429 2015 LY_{42}	16.4	X	19.24841	178.50969	139.43338	4.43937	0.1115193	0.18132711	3.0914405	21	9 24.3	20.2
537430 2015 LA_{43}	15.9	X	313.24699	80.17169	293.13557	9.70019	0.1113616	0.17376925	3.1804417	21	8 15.5	20.0
537431 2015 LC_{43}	16.7	X	137.09103	313.80573	294.52082	2.36176	0.0445328	0.20888432	2.8131885	21	11 16.8	20.8
537432 2015 LE_{43}	17.1	X	141.29144	46.03631	230.87353	12.60491	0.1560926	0.23248261	2.6194437	21	12 29.4	21.5
537433 2015 LG_{43}	17.5	X	224.47990	340.38909	195.58312	4.85694	0.1327486	0.23387520	2.6090352	21	11 22.1	21.1
537434 2015 LJ_{43}	16.4	X	43.89363	4.60601	304.42183	7.99086	0.0866663	0.17905523	3.1175353	21	10 9.3	20.8
537435 2015 LQ_{43}	17.7	X	154.91861	181.31371	79.21338	12.83594	0.1602518	0.23375677	2.6099163	21	12 23.2	21.8
537436 2015 LT_{44}	16.9	X	91.98813	118.65146	184.86983	14.73725	0.1518290	0.20422791	2.8557882	21	12 13.9	21.6
537437 2015 LA_{45}	16.3	X	4.07324	182.08673	125.07476	12.11864	0.0625329	0.16969890	3.2310973	21	8 12.7	20.6
537438 2015 LB_{45}	16.1	X	90.87843	276.97142	297.57782	13.22441	0.1274431	0.17425708	3.1745031	21	8 16.9	20.8
537439 2015 LO_{45}	16.4	X	348.53508	219.64588	130.20933	9.08481	0.0254041	0.19650303	2.9301502	21	9 18.8	20.4
537440 2015 LC_{46}	16.9	X	53.25778	19.94465	308.31965	7.07427	0.2024095	0.19909200	2.9046926	21	12 7.3	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
537441 2015 LE_{46}	16.9	X	171.50524	90.49553	93.47706	8.60208	0.0387292	0.19280849	2.9674628	21	10 10.6	21.3
537442 2015 LK_{46}	17.2	X	266.31806	54.35236	52.20391	12.36217	0.2301247	0.23132630	2.6281655	21	10 5.4	20.7
537443 2015 LM_{46}	17.2	X	69.90957	190.39017	127.73083	2.95988	0.0676126	0.20609820	2.8384848	21	11 28.5	21.2
537444 2015 LN_{46}	17.0	X	51.28988	222.85089	95.16905	5.85525	0.1090843	0.20907413	2.8114855	21	11 12.9	20.8
537445 2015 MB	17.0	X	87.99798	254.77308	102.54810	7.04418	0.3360807	0.23780909	2.5801824	21	—	—
537446 2015 MX	17.0	X	94.21489	88.93688	212.75449	11.32906	0.1748822	0.22481926	2.6786361	21	12 17.9	21.4
537447 2015 ME_{3}	15.6	X	342.87562	296.72502	76.45354	22.75635	0.2999993	0.17936645	3.1139280	21	10 20.8	18.7
537448 2015 MW_{5}	16.6	X	128.90826	342.93018	261.65927	14.03210	0.1007552	0.20380895	2.8597005	21	11 3.3	21.1
537449 2015 MT_{6}	17.6	X	170.19301	102.77039	135.37990	13.51627	0.2329062	0.22597930	2.6694611	21	12 8.8	22.4
537450 2015 MZ_{6}	15.7	X	102.26096	266.09508	284.09824	23.28469	0.2405728	0.17307569	3.1889325	21	8 7.5	21.0
537451 2015 MK_{7}	17.5	X	139.51140	172.34822	125.57181	10.28657	0.2613028	0.22868136	2.6483916	21	—	—
537452 2015 MG_{8}	17.6	X	170.90063	100.19540	135.27751	13.36761	0.2276586	0.22402038	2.6850004	21	12 6.4	22.4
537453 2015 ML_{8}	16.3	X	354.85243	77.53966	263.33617	11.37744	0.0926570	0.17677584	3.1442768	21	9 5.9	20.5
537454 2015 MM_{9}	17.1	X	74.60638	168.01091	149.98793	7.00342	0.0482417	0.20896308	2.8124815	21	12 2.7	21.1
537455 2015 MX_{9}	16.1	X	98.71317	286.69912	277.04257	14.35790	0.1708254	0.17373920	3.1808084	21	8 15.3	21.1
537456 2015 MT_{10}	18.3	X	147.42026	96.66455	181.78700	12.47303	0.2644372	0.23291901	2.6161708	21	—	—
537457 2015 MH_{14}	18.4	X	203.53253	237.39517	287.63540	19.30460	0.0109463	0.36685247	1.9325990	21	11 17.3	20.8
537458 2015 MC_{18}	17.5	X	146.09187	194.01283	49.18910	28.97825	0.0634991	0.23112278	2.6297081	21	11 21.2	21.5
537459 2015 MS_{18}	17.0	X	153.03080	336.95433	254.53124	12.82022	0.2105421	0.22982713	2.6395822	21	11 15.8	21.5
537460 2015 MV_{23}	17.5	X	191.10803	342.46806	247.44931	2.89168	0.1181476	0.24479933	2.5308276	21	12 25.3	21.1
537461 2015 MY_{26}	17.0	X	182.53753	106.88947	53.95592	15.21993	0.0435590	0.21090604	2.7951816	21	9 29.5	21.3
537462 2015 MV_{27}	16.6	X	90.30977	240.41532	280.32340	8.68893	0.1960858	0.17770400	3.1333187	21	6 22.5	21.2
537463 2015 MH_{38}	17.3	X	75.88506	77.19796	167.01673	8.61638	0.1559696	0.19582150	2.9369449	21	9 14.9	21.3
537464 2015 MN_{50}	16.9	X	115.84143	195.75807	64.22748	7.52611	0.1794392	0.19797216	2.9156360	21	11 15.9	21.6
537465 2015 MJ_{51}	16.5	X	22.43400	231.10774	98.66445	15.60320	0.0719693	0.17941947	3.1133146	21	10 16.7	20.9
537466 2015 MP_{53}	16.5	X	30.57526	218.80696	53.37117	2.58305	0.1556026	0.17327895	3.1864382	21	8 16.9	20.3
537467 2015 ME_{54}	20.3	X	13.24288	85.64571	96.90980	14.13902	0.3438662	0.46923265	1.6401261	21	—	—
537468 2015 ML_{55}	17.0	X	111.38109	190.19931	126.60778	15.78419	0.2456418	0.23132411	2.6281821	21	—	—
537469 2015 MH_{58}	16.3	X	67.78818	310.95446	299.87273	25.87639	0.2114144	0.18209460	3.0827478	21	9 4.9	21.1
537470 2015 ME_{59}	16.0	X	79.69666	273.75169	300.17499	13.46011	0.1526888	0.17030369	3.2234432	21	8 7.8	20.6
537471 2015 MJ_{59}	16.1	X	51.13822	135.28695	122.83633	28.08526	0.2267538	0.17525818	3.1624028	21	9 15.8	20.7
537472 2015 MN_{65}	18.0	X	19.81651	101.49969	249.02094	18.17648	0.0831976	0.35703073	1.9678817	21	12 7.3	19.7
537473 2015 MJ_{66}	17.0	X	149.52221	134.02897	124.31181	16.53552	0.1660304	0.22063824	2.7123696	21	12 16.3	21.6
537474 2015 MN_{67}	15.5	X	11.50665	28.71261	252.06358	11.21928	0.2194560	0.16596333	3.2794017	21	7 24.6	19.1
537475 2015 ME_{72}	16.5	X	99.30642	65.83234	139.32814	16.11180	0.1555000	0.17589778	3.1547320	21	8 22.6	21.3
537476 2015 MU_{75}	18.1	X	323.96662	180.67196	274.26810	17.43606	0.0541142	0.38530274	1.8704007	21	—	—
537477 2015 MJ_{83}	17.8	X	106.39604	50.08347	245.00825	7.00160	0.2057775	0.21132247	2.7915084	21	12 20.9	22.5
537478 2015 MT_{83}	16.6	X	21.60567	177.04170	138.86408	11.92113	0.0904420	0.17965875	3.1105496	21	9 24.8	20.7
537479 2015 MB_{85}	17.4	X	167.88882	114.25214	129.00750	7.03207	0.2340627	0.22480375	2.6787592	21	12 11.3	22.2
537480 2015 MU_{86}	16.1	X	102.44241	71.92851	124.57463	23.13539	0.1663616	0.17497537	3.1658094	21	8 17.1	21.0
537481 2015 MB_{90}	18.3	X	76.63654	142.14312	168.68213	23.05958	0.0609803	0.35948901	1.9589002	21	12 26.9	21.2
537482 2015 MH_{92}	17.4	X	176.22071	151.02863	79.45070	6.98352	0.1877402	0.23791831	2.5793927	21	12 5.9	21.5
537483 2015 MP_{93}	16.3	X	5.52008	151.57349	160.93690	4.54088	0.1520939	0.18317784	3.0705824	21	8 26.2	19.6
537484 2015 MA_{96}	16.9	X	100.58208	183.80990	122.01478	15.47625	0.0925264	0.21568545	2.7537351	21	12 22.7	21.1
537485 2015 MS_{96}	16.5	X	110.47285	125.58395	77.68767	3.76166	0.4349950	0.19375147	2.9578266	21	9 23.3	22.0
537486 2015 MS_{103}	16.1	X	55.02683	158.30153	101.70318	10.58100	0.1255833	0.17432270	3.1737065	21	9 5.9	20.5
537487 2015 MH_{108}	17.1	X	124.98176	215.06457	53.91006	0.71340	0.0288495	0.20876180	2.8142890	21	11 28.1	21.1
537488 2015 MS_{110}	17.2	X	64.95500	31.81422	290.08808	7.25539	0.1366479	0.20191376	2.8775669	21	12 4.7	21.3
537489 2015 MT_{110}	17.6	X	136.05954	157.67669	114.55552	6.17981	0.1442108	0.21767967	2.7368908	21	12 18.7	22.0
537490 2015 MU_{114}	17.0	X	186.27246	349.44637	219.46539	9.06007	0.1680651	0.21478727	2.7614066	21	11 17.7	21.4
537491 2015 MH_{117}	17.4	X	225.65081	34.03407	309.33227	6.90485	0.1637276	0.28241374	2.3007998	21	3 11.2	21.1
537492 2015 MZ_{121}	16.0	X	29.66960	11.43016	303.30878	16.26768	0.2095305	0.17630316	3.1498943	21	10 7.8	20.2
537493 2015 MA_{126}	16.8	X	69.77608	330.86937	309.37135	7.28506	0.1495684	0.18943445	3.0025949	21	10 17.2	21.2
537494 2015 MO_{126}	16.6	X	340.95364	258.78555	108.44519	11.10759	0.0948641	0.18001388	3.1064573	21	9 30.9	20.6
537495 2015 MU_{127}	16.5	X	131.45186	255.37002	318.46136	9.21163	0.2110735	0.19387340	2.9565863	21	10 2.5	21.7
537496 2015 MA_{128}	16.0	X	46.62986	146.23993	115.31782	14.06042	0.1067241	0.16924363	3.2368892	21	8 22.3	20.4
537497 2015 MD_{130}	17.3	X	174.96487	63.84968	136.49444	30.92729	0.2593544	0.23649967	2.5896974	21	11 6.5	22.5
537498 2015 MG_{131}	18.8	X	75.67579	69.76063	304.11422	19.67947	0.1097423	0.38967339	1.8563886	21	—	—
537499 2015 MH_{131}	17.9	X	18.41597	15.57987	310.90909	13.02446	0.0855185	0.34634180	2.0081652	21	10 17.7	20.1
537500 2015 ML_{131}	18.8	X	351.18869	87.09072	308.04225	19.17944	0.0752653	0.36392402	1.9429527	21	—	—
537501 2015 MM_{131}	18.0	X	200.07058	12.27377	200.42522	21.75225	0.0366017	0.37420919	1.9071862	21	—	—
537502 2015 MU_{131}	18.4	X	207.44933	253.67362	349.88452	18.54272	0.0495834	0.38379321	1.8753019	21	—	—
537503 2015 MJ_{133}	16.3	X	83.56221	294.94844	326.72838	16.36329	0.2209712	0.18400077	3.0614203	21	10 12.9	21.4
537504 2015 MB_{134}	17.4	X	128.48056	245.32656	26.04389	3.94432	0.0603094	0.21536544	2.7564622	21	12 7.1	21.4
537505 2015 MF_{134}	17.0	X	124.45056	116.90721	159.51512	12.99541	0.1893900	0.22111038	2.7085070	21	12 15.9	21.7
537506 2015 MQ_{134}	16.2	X	2.25075	213.02589	97.17748	10.24724	0.0902502	0.17070422	3.2183990	21	8 16.7	20.3
537507 2015 MH_{135}	17.3	X	89.26426	84.80480	248.89880	2.37320	0.2009230	0.21811156	2.7332767	21	—	—
537508 2015 MM_{135}	16.2	X	270.40339	256.66640	168.71541	11.57908	0.1689287	0.16897847	3.2402745	21	8 15.0	20.8
537509 2015 MP_{135}	16.4	X	42.77425	202.31793	127.00994	3.97530	0.1028879	0.17658458	3.1465469	21	11 9.5	20.7
537510 2015 MN_{136}	16.8	X	179.75929	55.93902	163.37130	13.32883	0.1792982	0.22831125	2.6512530	21	11 27.4	21.4
537511 2015 MZ_{136}	15.9	X	43.03090	318.56179	324.35026	26.11525	0.1463930	0.17896981	3.1185272	21	9 7.7	20.2
537512 2015 MJ_{137}	16.5	X	40.50099	345.64911	315.56263	9.50109	0.0484620	0.18176741	3.0864461	21	9 20.2	20.9
537513 2015 MM_{137}	15.7	X	76.20109	6.13163	256.84463	17.30015	0.2099796	0.17908956	3.1171369	21	10 7.4	20.7
537514 2015 MQ_{137}	16.5	X	42.13097	69.33085	243.62057	10.64261	0.0749287	0.18774527	3.0205779	21	10 12.6	20.8
537515 2015 MU_{137}	16.7	X	143.79687	160.58995	115.29495	14.31232	0.1258073	0.21744711	2.7388418	21	12 29.9	21.1
537516 2015 MK_{138}	16.3	X	47.23203	78.92472	254.37877	8.67063	0.0879347	0.19096410	2.9865392	21	11 18.5	20.4
537517 2015 MR_{138}	15.7	X	308.80211	36.36423	296.86570	8.19298	0.0433241	0.15348859	3.4547662	21	6 29.3	20.4
537518 2015 MA_{139}	16.2	X	99.90105	133.94272	161.45354	10.89213	0.0848356	0.18869014	3.0104858	21	12 4.9	20.9
537519 2015 MU_{139}	16.6	X	38.75931	87.41659	232.60700	9.84931	0.1006416	0.18832779	3.0143461	21	10 22.2	20.7
537520 2015 ML_{140}	17.2	X	140.96987	212.09454	42.17066	8.53186	0.1931838	0.20967457	2.8061155	21	11 30.2	22.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
537521 2015 MM_{140}	16.6	X	61.08200	292.72444	18.87284	10.23040	0.0996141	0.19026873	2.9938114	21	11 8.8	20.9
537522 2015 MV_{141}	17.6	X	171.13763	44.91259	196.82766	11.63825	0.0919351	0.21918020	2.7243851	21	12 16.7	21.9
537523 2015 MU_{142}	16.9	X	17.52319	259.61206	100.80428	9.72479	0.1318482	0.19463731	2.9488452	21	11 21.3	20.7
537524 2015 MX_{143}	16.7	X	238.39780	219.53723	274.25916	7.63973	0.0931649	0.20137050	2.8827401	21	10 12.7	21.1
537525 2015 MP_{144}	16.4	X	31.32741	88.66449	247.65477	8.04498	0.1130403	0.17734719	3.1375201	21	11 1.5	20.6
537526 2015 MT_{144}	15.5	X	67.16533	8.52269	264.28776	16.80689	0.1845933	0.17732839	3.1377418	21	10 4.9	20.3
537527 2015 MH_{145}	16.5	X	320.37144	217.65747	159.94132	10.00302	0.1181342	0.17476849	3.1683072	21	9 3.7	20.2
537528 2015 MB_{146}	16.7	X	3.58424	21.79566	324.13696	7.90521	0.1483798	0.18221791	3.0813569	21	10 3.5	20.3
537529 2015 MJ_{147}	16.8	X	292.47481	180.89867	215.80084	10.06967	0.0989874	0.16902488	3.2396813	21	8 15.7	21.3
537530 2015 MV_{147}	16.7	X	348.38828	187.51324	179.18591	11.42890	0.0634139	0.17710109	3.1404259	21	10 6.5	20.7
537531 2015 MH_{149}	16.6	X	18.72476	193.17326	133.48496	1.69254	0.2032638	0.18192184	3.0846992	21	10 15.5	20.0
537532 2015 ME_{150}	16.2	X	42.31519	24.36163	272.25733	9.18519	0.0630746	0.18668570	3.0319964	21	9 18.2	20.5
537533 2015 NF_{2}	17.5	X	141.78829	97.46561	176.74719	12.85775	0.2546415	0.22859884	2.6490289	21	12 26.9	22.4
537534 2015 NX_{2}	16.7	X	114.06469	154.36294	155.18894	32.65818	0.1595932	0.23402751	2.6079030	21	—	—
537535 2015 NF_{7}	16.6	X	84.75775	106.70111	131.07309	27.53427	0.1662072	0.18373235	3.0644012	21	9 23.3	21.6
537536 2015 NX_{7}	16.9	X	93.91294	357.83748	263.61541	5.51630	0.1948954	0.19600458	2.9351158	21	10 27.8	21.6
537537 2015 NJ_{17}	16.5	X	69.87607	163.21065	118.91980	8.16103	0.1214695	0.18244044	3.0788508	21	10 22.3	21.0
537538 2015 NE_{22}	16.6	X	67.54489	236.05365	111.90006	10.67338	0.1922533	0.22373213	2.6873062	21	—	—
537539 2015 NO_{26}	16.3	X	332.63122	235.56958	142.94937	15.99744	0.0892461	0.17842494	3.1248728	21	10 1.3	20.4
537540 2015 NL_{27}	16.8	X	118.86249	5.09612	193.92307	12.24022	0.0770927	0.17242437	3.1969582	21	8 23.9	21.8
537541 2015 NS_{27}	16.5	X	45.32470	321.03504	325.80574	8.36863	0.0804126	0.17436613	3.1731794	21	9 13.7	20.7
537542 2015 NQ_{28}	16.4	X	347.18121	53.18405	260.11979	19.58839	0.0578233	0.18047064	3.1012135	21	7 20.5	20.7
537543 2015 NS_{28}	16.1	X	278.38290	256.21090	169.78364	25.55745	0.2171151	0.17137814	3.2099561	21	8 18.6	20.8
537544 2015 OP	18.5	X	242.23483	233.42135	300.25863	18.42700	0.1143439	0.38884893	1.8590117	21	—	—
537545 2015 OT_{1}	16.4	X	64.69348	140.89474	103.16850	18.18190	0.1826767	0.17541518	3.1605156	21	9 9.6	21.1
537546 2015 ON_{8}	17.3	X	153.76862	80.08081	170.24333	11.89479	0.2495573	0.21977140	2.7194971	21	12 8.7	22.3
537547 2015 OP_{16}	15.9	X	60.61329	155.11568	115.57599	12.67803	0.1743119	0.17902078	3.1179352	21	10 6.1	20.4
537548 2015 OQ_{24}	16.9	X	128.71572	100.03234	193.36747	6.67167	0.2928495	0.22000427	2.7175777	21	—	—
537549 2015 OW_{24}	17.2	X	109.83821	170.06989	148.38608	10.60457	0.2342706	0.21686265	2.7437605	21	—	—
537550 2015 OQ_{26}	17.6	X	62.63275	69.30884	242.06868	17.92705	0.0422580	0.35113643	1.9898429	21	12 3.8	19.5
537551 2015 OG_{35}	18.0	X	357.34002	313.06098	111.21638	27.91245	0.0342238	0.38711069	1.8645725	21	—	—
537552 2015 OJ_{39}	16.5	X	80.39392	118.11179	152.78784	15.46851	0.1671752	0.18360919	3.0657714	21	10 27.3	21.3
537553 2015 OZ_{40}	17.9	X	254.59923	149.53823	162.91470	3.86517	0.1511790	0.27634934	2.3343381	21	3 3.9	21.4
537554 2015 OH_{44}	16.2	X	35.95370	236.47281	40.62286	5.93905	0.1130887	0.17315554	3.1879521	21	8 28.3	20.3
537555 2015 OT_{46}	16.0	X	33.82222	185.92554	103.87107	11.18741	0.0946509	0.17654290	3.1470420	21	9 10.4	20.2
537556 2015 OB_{64}	16.0	X	119.40440	151.55069	87.19590	17.66262	0.0636992	0.17816679	3.1278906	21	10 23.0	21.0
537557 2015 OG_{65}	16.4	X	39.20713	170.61866	85.24571	15.95439	0.2103409	0.18016312	3.1047416	21	8 22.4	20.4
537558 2015 OB_{67}	17.6	X	148.73759	287.25581	148.93778	6.79745	0.0469865	0.29404737	2.2397069	21	4 18.5	20.4
537559 2015 OC_{68}	17.2	X	116.20093	19.74967	259.00737	3.85895	0.1280169	0.21001645	2.8030693	21	12 6.3	21.5
537560 2015 OV_{74}	16.8	X	73.03439	326.43751	340.05846	12.61936	0.2488234	0.19075958	2.9886735	21	12 4.6	21.7
537561 2015 OB_{76}	16.1	X	39.54953	157.29220	173.29680	16.64931	0.2084979	0.17878619	3.1206620	21	11 23.8	20.5
537562 2015 OX_{77}	17.8	X	322.10593	71.56772	278.30837	16.70762	0.2923666	0.32049868	2.1147152	21	7 6.9	18.5
537563 2015 OB_{78}	18.4	X	282.27210	127.52070	325.19409	16.94089	0.1159782	0.36081048	1.9541143	21	11 11.2	20.5
537564 2015 OA_{80}	18.0	X	183.99116	228.60121	330.09307	17.95133	0.0450634	0.35780999	1.9650235	21	12 2.5	20.6
537565 2015 OG_{80}	18.3	X	108.38129	122.86303	190.11245	21.93748	0.0852392	0.36897614	1.9251764	21	—	—
537566 2015 OK_{80}	19.3	X	62.78345	93.35770	299.23406	19.28039	0.1173984	0.39340590	1.8446280	21	—	—
537567 2015 OT_{80}	18.3	X	39.51215	249.87367	190.10944	22.46646	0.1066427	0.38602060	1.8680811	21	—	—
537568 2015 OG_{81}	18.6	X	321.69395	318.06441	163.74981	24.14063	0.0578138	0.38093981	1.8846548	21	—	—
537569 2015 OP_{85}	16.9	X	36.47957	102.96634	245.43282	5.13255	0.0593711	0.19094784	2.9867088	21	11 19.7	21.0
537570 2015 OZ_{85}	16.5	X	53.95217	350.71625	305.41034	3.80423	0.1209202	0.17893369	3.1189468	21	10 13.7	20.7
537571 2015 OA_{86}	15.9	X	32.80215	42.02304	281.66599	9.66469	0.0431692	0.18222603	3.0812654	21	10 6.8	20.3
537572 2015 OQ_{86}	16.1	X	347.94345	181.51694	166.92432	6.85739	0.1261574	0.17024815	3.2241441	21	9 10.5	20.0
537573 2015 OB_{87}	17.1	X	139.70009	199.78949	90.99548	12.74811	0.1866414	0.22580050	2.6708702	21	—	—
537574 2015 OZ_{87}	16.6	X	25.37758	292.37464	40.14436	13.21672	0.1568713	0.17360552	3.1824410	21	10 26.6	20.5
537575 2015 OT_{88}	17.0	X	91.76844	69.50397	222.84249	3.71391	0.1415112	0.19424413	2.9528232	21	11 27.8	21.5
537576 2015 OA_{90}	17.2	X	96.73304	69.87963	211.57986	3.87283	0.1335861	0.19202221	2.9755580	21	11 18.9	21.8
537577 2015 OK_{90}	16.3	X	268.57321	85.45475	351.41830	7.37304	0.0996724	0.17083822	3.2167158	21	9 8.3	20.8
537578 2015 OA_{91}	16.5	X	63.62054	338.11010	325.38051	9.75985	0.0387040	0.18344490	3.0676015	21	10 21.1	21.0
537579 2015 OE_{91}	16.5	X	149.12399	35.69572	186.83170	11.34853	0.0286347	0.18284205	3.0743407	21	10 28.1	21.0
537580 2015 OC_{93}	17.4	X	115.59804	195.58399	78.85273	8.50221	0.2084119	0.19833259	2.9121025	21	12 3.6	22.2
537581 2015 OQ_{94}	16.4	X	330.90960	55.05728	336.17268	8.81607	0.0187278	0.17828098	3.1265547	21	10 9.4	20.8
537582 2015 OS_{94}	16.6	X	41.43362	319.95338	332.31369	11.91605	0.1383886	0.17117542	3.2124900	21	9 21.4	20.9
537583 2015 OD_{97}	16.6	X	94.96518	255.78358	332.34340	10.34537	0.1296934	0.18151076	3.0893549	21	9 9.9	21.2
537584 2015 OK_{97}	16.8	X	32.88196	294.78416	15.10518	9.47049	0.0907024	0.17464542	3.1697956	21	9 30.3	21.0
537585 2015 OA_{98}	16.6	X	69.12722	269.96781	354.87540	8.72238	0.1841820	0.17491214	3.1665724	21	10 2.8	21.2
537586 2015 OC_{98}	16.7	X	107.84876	310.94006	343.49166	11.42006	0.1712900	0.20343890	2.8631672	21	12 18.5	21.5
537587 2015 OL_{98}	16.3	X	1.43402	9.02393	339.24093	10.25047	0.0987924	0.17349828	3.1837523	21	9 28.9	20.4
537588 2015 OO_{98}	17.1	X	132.32025	147.19519	115.00549	4.95775	0.1466933	0.20261581	2.8709160	21	12 2.1	21.7
537589 2015 OX_{98}	16.7	X	162.31857	81.73389	135.05536	16.66142	0.1230753	0.19210486	2.9747043	21	11 9.6	21.7
537590 2015 OA_{99}	16.7	X	130.51356	233.67856	344.18052	14.24636	0.0804805	0.17727126	3.1384159	21	9 28.3	21.5
537591 2015 OQ_{99}	17.2	X	125.73390	61.41455	199.87364	12.79948	0.1549490	0.19760419	2.9192545	21	11 25.3	22.0
537592 2015 OT_{101}	16.4	X	108.46858	55.00123	177.38268	9.99734	0.0814853	0.17278781	3.1924735	21	9 26.1	21.0
537593 2015 OB_{103}	16.3	X	97.61946	74.41641	159.53622	26.65781	0.2043419	0.17942927	3.1132012	21	10 2.6	21.4
537594 2015 OF_{103}	16.6	X	55.76828	351.35582	315.59440	9.10395	0.0722518	0.18327036	3.0695489	21	10 20.5	21.1
537595 2015 OC_{104}	16.7	X	141.35398	341.36176	268.28704	8.67666	0.1991759	0.21208207	2.7848389	21	11 26.1	21.4
537596 2015 OP_{105}	16.2	X	359.79711	301.46123	56.38442	7.81921	0.1746452	0.18247677	3.0784421	21	10 20.9	19.6
537597 2015 PE_{8}	16.2	X	24.36320	171.80614	172.65667	15.55320	0.1713195	0.18327483	3.0694991	21	11 15.1	20.2
537598 2015 PE_{38}	16.3	X	52.65293	194.79863	103.94943	5.62676	0.1802866	0.18367061	3.0650880	21	10 28.9	20.5
537599 2015 PR_{39}	16.7	X	77.43442	263.10208	1.59457	8.19580	0.0516679	0.17675354	3.1445413	21	9 25.7	21.0
537600 2015 PY_{40}	16.7	X	24.04847	243.54206	108.82105	7.90339	0.2110089	0.18624421	3.0367861	21	11 29.4	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
537601 2015 PL_{42}	16.7	X	106.24030	264.22590	1.51444	10.74774	0.1918639	0.19682403	2.9269635	21	11 11.0	21.6
537602 2015 PD_{43}	17.2	X	83.05804	221.45141	91.66146	9.54314	0.1665238	0.20132230	2.8832002	21	12 17.1	21.6
537603 2015 PM_{44}	16.9	X	77.05893	277.99682	18.48311	9.89024	0.0962043	0.19066574	2.9896540	21	11 8.9	21.3
537604 2015 PQ_{49}	16.8	X	37.05020	268.90830	31.30521	9.46626	0.0791040	0.17281080	3.1921905	21	9 24.5	21.1
537605 2015 PD_{58}	16.8	X	36.65814	124.60616	210.12026	12.17185	0.2537155	0.18553691	3.0444990	21	11 30.9	20.9
537606 2015 PV_{81}	16.5	X	70.26072	292.83479	311.67163	3.87650	0.1484691	0.17527191	3.1622377	21	9 4.3	20.8
537607 2015 PE_{120}	17.6	X	134.11186	271.60513	351.13491	7.02228	0.1923579	0.21227920	2.7831146	21	12 4.7	22.4
537608 2015 PR_{135}	16.5	X	30.51369	167.90560	131.23684	12.86206	0.1751148	0.17472076	3.1688843	21	9 27.8	20.5
537609 2015 PM_{221}	16.4	X	329.51729	159.29851	252.91596	9.61785	0.0383542	0.18512142	3.0490527	21	11 5.3	20.5
537610 2015 PO_{222}	16.1	X	10.26550	148.62145	190.72819	19.36970	0.1535038	0.17206034	3.2014658	21	10 9.6	19.8
537611 2015 PU_{242}	17.5	X	124.41655	327.37341	329.45877	3.69521	0.1965711	0.21896382	2.7261797	21	—	—
537612 2015 PG_{282}	16.1	X	1.64506	278.91804	80.78863	10.93291	0.1731387	0.17572522	3.1567969	21	10 27.7	19.8
537613 2015 PM_{291}	18.0	X	277.63360	130.56583	342.63191	18.21566	0.1049621	0.36929308	1.9240747	21	12 21.5	19.9
537614 2015 PD_{293}	16.6	X	4.97077	156.16613	191.97078	10.51306	0.2381631	0.17559035	3.1584132	21	10 21.4	19.8
537615 2015 PK_{293}	15.7	X	54.58548	303.87500	329.58436	25.65917	0.2260359	0.17242469	3.1969542	21	9 20.7	20.4
537616 2015 PK_{303}	16.9	X	110.04024	222.06957	48.22528	10.53329	0.0692618	0.18917143	3.0053774	21	11 12.7	21.2
537617 2015 PR_{309}	16.4	X	35.05838	171.34423	152.60986	20.64950	0.1918816	0.17907599	3.1172943	21	11 9.9	20.8
537618 2015 PL_{310}	16.2	X	36.10652	248.72093	80.99155	13.58259	0.2462061	0.18205270	3.0832209	21	11 23.5	20.2
537619 2015 PR_{312}	17.9	X	144.11234	357.50258	266.78330	22.96586	0.0872897	0.36844520	1.9270254	21	—	—
537620 2015 PT_{312}	18.7	X	99.69144	263.51609	169.21749	22.00477	0.1476470	0.40263468	1.8163321	21	1 11.2	20.3
537621 2015 PX_{314}	16.9	X	147.32834	182.76135	84.98857	15.06777	0.2204175	0.22248675	2.6973250	21	12 23.0	21.4
537622 2015 PN_{315}	17.1	X	89.94985	99.39253	182.87312	9.57492	0.0332665	0.18571707	3.0425298	21	11 1.9	21.5
537623 2015 PO_{315}	16.8	X	75.65049	126.89744	174.02244	11.08821	0.1058112	0.18940624	3.0028931	21	11 18.2	21.3
537624 2015 PP_{315}	16.5	X	104.18628	60.03170	176.42000	4.17166	0.0676993	0.17293800	3.1906250	21	9 24.6	21.0
537625 2015 PT_{315}	16.1	X	73.60536	274.43853	23.00975	8.89526	0.0671269	0.18098415	3.0953447	21	11 1.7	20.6
537626 2015 PN_{316}	16.8	X	3.96293	61.92557	346.45368	1.33420	0.1134375	0.19763816	2.9189199	21	12 28.2	20.4
537627 2015 PX_{316}	17.1	X	65.56231	109.09398	180.20763	3.28737	0.1619821	0.18882284	3.0090751	21	10 29.4	21.4
537628 2015 PE_{318}	16.5	X	121.63094	267.72895	321.18379	9.17342	0.0885723	0.17823788	3.1270587	21	10 2.7	21.4
537629 2015 PS_{321}	16.5	X	49.80939	294.60716	16.90042	16.62794	0.2110508	0.18218640	3.0817122	21	11 7.2	20.9
537630 2015 QL	16.3	X	63.93459	19.31576	267.94804	11.94568	0.1675255	0.18470459	3.0536383	21	10 20.3	20.9
537631 2015 QU_{2}	16.2	X	35.35590	175.09135	122.28043	18.88001	0.1846879	0.18154079	3.0890141	21	10 9.1	20.4
537632 2015 QL_{3}	18.2	X	155.79067	320.62471	283.82419	17.48592	0.0622013	0.37233069	1.9135956	21	—	—
537633 2015 QP_{10}	16.7	X	55.16188	138.31723	178.95057	11.72424	0.1160606	0.18498673	3.0505325	21	11 14.6	21.1
537634 2015 QT_{13}	16.9	X	85.21904	270.88986	3.94496	0.50299	0.1156573	0.18358281	3.0660652	21	10 26.5	21.3
537635 2015 QS_{14}	16.2	X	80.49764	233.00238	58.21645	17.94831	0.2767034	0.17932610	3.1143952	21	11 25.9	21.2
537636 2015 QX_{15}	16.8	X	34.24311	61.00815	261.99428	3.65059	0.1166783	0.17831977	3.1261013	21	10 20.5	20.9
537637 2015 QQ_{16}	16.8	X	54.83226	132.42527	176.99364	10.64891	0.1240647	0.17991420	3.1076045	21	11 4.9	21.2
537638 2015 QH_{17}	16.5	X	74.59150	300.26195	330.72519	15.61004	0.2135502	0.17766700	3.1337537	21	10 14.1	21.4
537639 2015 QX_{18}	16.3	X	56.78784	245.48306	75.39585	10.86745	0.1787854	0.17475581	3.1684605	21	11 26.4	20.7
537640 2015 RR	16.7	X	40.98749	140.64570	166.79896	1.41070	0.1814999	0.17651174	3.1474124	21	10 21.3	20.8
537641 2015 RW_{1}	18.1	X	23.00065	114.94635	317.89609	22.67450	0.1363919	0.38496904	1.8714814	21	—	—
537642 2015 RT_{4}	17.9	X	241.69658	173.15116	322.94311	18.26519	0.0619342	0.36505572	1.9389351	21	11 19.9	20.4
537643 2015 RF_{14}	15.8	X	99.15906	241.93433	330.58270	17.89230	0.2070525	0.17248339	3.1962288	21	9 2.7	20.9
537644 2015 RR_{20}	16.8	X	90.29913	147.53281	150.05098	15.67881	0.1416667	0.20213038	2.8755107	21	12 6.2	21.5
537645 2015 RJ_{26}	16.5	X	7.33807	172.38768	185.95261	18.19646	0.2080841	0.17444631	3.1722070	21	11 6.7	20.2
537646 2015 RN_{38}	16.5	X	55.06317	315.60708	4.36939	5.73187	0.1691548	0.18475871	3.0530419	21	11 21.4	20.9
537647 2015 RT_{52}	16.5	X	88.96301	359.50683	265.33072	2.21828	0.0723756	0.17004166	3.2267537	21	10 10.8	21.2
537648 2015 RL_{81}	16.5	X	14.88569	302.55092	19.47296	8.19706	0.1015823	0.15933826	3.3696853	21	9 19.8	20.8
537649 2015 RH_{84}	18.2	X	136.53859	93.54988	188.98215	21.80013	0.0545396	0.37839778	1.8930859	21	—	—
537650 2015 RA_{88}	18.0	X	24.75385	177.51890	182.76698	24.00736	0.0464824	0.35535743	1.9740544	21	12 22.7	20.8
537651 2015 RB_{95}	18.5	X	63.49858	35.49480	334.75915	20.24269	0.0456634	0.37792630	1.8946601	21	—	—
537652 2015 RA_{101}	17.1	X	108.05139	295.75919	354.04315	15.06085	0.2522210	0.20190687	2.8776324	21	12 16.9	22.3
537653 2015 RJ_{104}	16.1	X	335.56451	199.56802	184.66064	16.47158	0.1164154	0.17103436	3.2142561	21	10 7.9	19.9
537654 2015 RD_{106}	16.7	X	60.66687	204.44961	100.50087	3.94883	0.1679904	0.18227031	3.0807663	21	11 11.9	21.1
537655 2015 RN_{117}	17.9	X	88.79517	272.81253	34.81291	21.41790	0.0684097	0.35756968	1.9659038	21	—	—
537656 2015 RG_{121}	16.0	X	47.91006	269.50056	16.46696	25.34390	0.2807014	0.17589728	3.1547380	21	10 15.7	20.2
537657 2015 RZ_{144}	18.0	X	46.58462	301.18492	1.08532	17.21202	0.0455630	0.34001540	2.0329982	21	10 19.3	20.3
537658 2015 RX_{150}	16.3	X	147.84205	223.67378	342.73569	10.45226	0.0287262	0.17516887	3.1634776	21	10 1.4	21.0
537659 2015 RE_{207}	16.4	X	110.61643	95.04651	171.07511	10.30390	0.1992338	0.17961097	3.1111012	21	11 19.2	21.6
537660 2015 RH_{235}	18.4	X	323.15811	113.32320	45.22946	21.57415	0.0720314	0.38423046	1.8738789	21	—	—
537661 2015 RQ_{238}	16.7	X	83.01272	148.02259	169.57305	16.73153	0.1978569	0.18227370	3.0807282	21	12 22.5	21.8
537662 2015 RO_{242}	16.4	X	48.05261	197.52190	143.99542	12.75963	0.2622454	0.17743847	3.1364439	21	12 22.5	21.0
537663 2015 RZ_{245}	18.4	X	119.63335	102.81496	188.45434	22.03229	0.0810170	0.36732255	1.9309498	21	—	—
537664 2015 RA_{246}	18.2	X	43.94384	268.85261	106.89512	23.81249	0.0846034	0.36256097	1.9478194	21	—	—
537665 2015 RB_{246}	18.2	X	322.66673	45.93449	38.44124	21.63841	0.1187813	0.34919310	1.9972186	21	—	—
537666 2015 RR_{246}	18.9	X	69.20484	41.05219	26.71836	22.70706	0.0976715	0.38871654	1.8594337	21	—	—
537667 2015 RS_{246}	18.3	X	303.02212	318.28723	219.47372	20.58262	0.0217836	0.38126615	1.8835792	21	—	—
537668 2015 RV_{246}	18.3	X	74.22403	299.96214	75.19325	22.13572	0.0763067	0.37398727	1.9079406	21	—	—
537669 2015 RJ_{254}	16.3	X	66.79717	313.79673	325.19549	9.84002	0.0900869	0.17369890	3.1813003	21	10 1.2	20.9
537670 2015 RS_{256}	17.0	X	79.50097	94.24606	186.41753	2.74200	0.0717744	0.17925926	3.1151693	21	10 21.4	21.5
537671 2015 RT_{256}	16.7	X	44.23082	103.49533	213.06867	7.61659	0.1568149	0.17401693	3.1774231	21	11 1.9	21.0
537672 2015 RV_{256}	15.9	X	93.97322	140.30266	135.50622	15.39684	0.1607393	0.17389641	3.1788910	21	11 14.4	21.1
537673 2015 RQ_{257}	16.9	X	97.30238	264.57092	3.58860	15.88788	0.2027337	0.18036103	3.1024700	21	11 2.9	22.0
537674 2015 RU_{258}	16.6	X	83.64857	278.81619	27.52550	3.17481	0.2348662	0.18512518	3.0490114	21	12 13.3	21.4
537675 2015 RB_{261}	15.9	X	95.94756	189.94333	112.23359	16.65239	0.1495749	0.18443582	3.0566042	21	12 14.2	20.8
537676 2015 RE_{262}	17.2	X	79.19716	72.69993	216.44737	4.31548	0.1205251	0.18566871	3.0430580	21	11 7.2	21.6
537677 2015 RJ_{263}	15.8	X	27.19812	139.87416	202.42025	16.90116	0.0311125	0.17233487	3.1980649	21	10 25.7	20.1
537678 2015 RM_{263}	16.5	X	77.28207	247.14815	34.40930	9.79267	0.0858685	0.17658368	3.1465575	21	10 21.7	21.0
537679 2015 RG_{264}	16.3	X	32.65892	347.18004	338.91037	9.03300	0.0827569	0.17533161	3.1615198	21	10 14.9	20.6
537680 2015 RO_{277}	16.0	X	308.70213	72.99489	318.93060	14.79600	0.0193460	0.17467119	3.1694837	21	9 9.4	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
537681 2015 SF_8	16.1	X	46.84787	164.98109	192.71120	11.17489	0.0661039	0.18840364	3.0135370	21	12 15.1	20.4
537682 2015 SQ_9	18.5	X	53.38553	297.09807	89.16286	24.08767	0.0983400	0.36222971	1.9490067	21	—	—
537683 2015 SX_{11}	16.3	X	79.88326	45.77233	236.24522	4.44691	0.0972171	0.17633366	3.1495311	21	10 25.3	20.8
537684 2015 SH_{12}	16.6	X	72.23556	95.67750	301.08827	5.13816	0.0467438	0.22030892	2.7150718	21	—	—
537685 2015 SV_{16}	17.6	X	341.34664	186.65528	256.48566	19.09236	0.0805751	0.36513182	1.9386657	21	—	—
537686 2015 SA_{17}	18.9	X	273.51350	321.28325	8.93929	42.56243	0.3170593	0.46143369	1.6585549	21	3 23.9	21.4
537687 2015 SF_{18}	16.7	X	41.44670	276.53412	50.24665	5.47078	0.2383872	0.17841954	3.1249359	21	11 22.8	20.7
537688 2015 SQ_{21}	17.7	X	161.43807	31.35911	197.42134	21.98773	0.0272547	0.35747277	1.9662591	21	12 19.0	20.4
537689 2015 SS_{21}	17.5	X	257.78137	88.58311	88.22266	24.05243	0.0614789	0.35015480	1.9935601	21	—	—
537690 2015 ST_{21}	18.2	X	61.62340	251.23192	104.21910	18.26273	0.1134147	0.35019275	1.9934160	21	—	—
537691 2015 SW_{23}	16.4	X	31.04666	272.68639	83.22072	8.22186	0.0471398	0.18012538	3.1051752	21	11 19.9	20.7
537692 2015 SJ_{25}	18.0	X	30.76848	62.08153	246.97448	3.65157	0.0288287	0.31046249	2.1600474	21	10 2.5	20.5
537693 2015 SL_{25}	16.5	X	44.09426	66.79644	244.96590	4.47268	0.1035416	0.17562529	3.1579944	21	10 17.8	20.8
537694 2015 SX_{25}	17.0	X	63.06101	246.05905	52.84608	1.68208	0.1379811	0.17763000	3.1341889	21	11 1.7	21.5
537695 2015 SG_{27}	16.1	X	54.48354	230.51485	87.68323	9.75087	0.0921239	0.17477850	3.1681862	21	11 10.4	20.6
537696 2015 SW_{27}	16.3	X	82.76575	210.61260	92.73336	12.42365	0.0742654	0.17963595	3.1108128	21	11 23.8	20.9
537697 2015 SP_{29}	17.4	X	226.24834	165.13095	283.65146	6.55615	0.0162753	0.29565042	2.2316036	21	8 17.6	20.1
537698 2015 TW	19.1	X	234.97145	157.12543	138.11369	15.52341	0.1041552	0.42192919	1.7605283	21	—	—
537699 2015 TC_2	16.5	X	78.97075	102.00421	198.37046	8.90449	0.0868902	0.18136198	3.0910442	21	11 16.6	21.0
537700 2015 TT_5	18.2	X	35.79727	27.58509	342.13296	18.47275	0.0944447	0.37143662	1.9166651	21	—	—
537701 2015 TR_{20}	17.9	X	268.53622	140.43089	62.63895	23.78088	0.0489756	0.39061651	1.8533993	21	—	—
537702 2015 TE_{21}	18.1	X	354.06453	185.05695	123.28374	7.93011	0.3678697	0.32029061	2.1156309	21	9 1.6	17.3
537703 2015 TH_{21}	18.0	X	340.67909	291.81234	32.04133	29.34088	0.3289768	0.31592644	2.1350697	21	8 20.4	19.9
537704 2015 TK_{49}	16.1	X	95.27911	278.68410	347.56952	25.04478	0.2173824	0.18479653	3.0526254	21	10 24.8	21.4
537705 2015 TS_{82}	16.6	X	326.20190	278.68729	158.31210	1.18908	0.1158415	0.16921448	3.2372609	21	11 28.0	20.5
537706 2015 TM_{100}	18.5	X	320.34701	349.03043	36.22855	2.10975	0.1658418	0.32195326	2.1083409	21	10 4.6	19.3
537707 2015 TX_{101}	18.3	X	256.29296	198.23161	188.61650	6.79111	0.1783076	0.29024712	2.2592143	21	6 9.8	21.5
537708 2015 TX_{118}	18.2	X	301.84736	69.88783	88.78160	24.82964	0.0450220	0.36538425	1.9377727	21	—	—
537709 2015 TV_{143}	18.1	X	186.54361	29.15559	231.15566	20.30511	0.0429471	0.37601412	1.9010780	21	—	—
537710 2015 TF_{156}	17.2	X	88.75759	168.55488	189.20089	2.54602	0.1571063	0.20838643	2.8176676	21	—	—
537711 2015 TL_{169}	17.4	X	349.68979	128.39195	125.08332	6.86252	0.0682647	0.27226609	2.3576193	21	5 5.7	20.1
537712 2015 TE_{178}	18.0	X	267.14181	261.26512	273.02379	17.97780	0.0815728	0.36820457	1.9278649	21	—	—
537713 2015 TG_{179}	16.3	X	61.00040	286.06562	15.23187	14.01832	0.2301387	0.17497713	3.1657882	21	11 10.2	21.1
537714 2015 TP_{183}	18.8	X	296.27497	282.38686	199.30796	20.99588	0.0518978	0.35947994	1.9589331	21	—	—
537715 2015 TQ_{189}	18.1	X	65.95835	306.73612	12.55930	19.32860	0.0788857	0.35475777	1.9762783	21	12 25.4	20.9
537716 2015 TL_{199}	17.3	X	54.12575	208.99118	207.38220	1.53379	0.2063037	0.21012469	2.8021066	21	—	—
537717 2015 TS_{202}	18.5	X	97.31800	349.77078	27.46035	18.48846	0.1083979	0.38691518	1.8652006	21	—	—
537718 2015 TY_{207}	16.3	X	232.98722	278.56283	358.30393	14.59977	0.1230583	0.24013372	2.5635037	21	1 7.6	20.5
537719 2015 TJ_{216}	16.1	X	69.67370	96.44542	193.02390	21.92559	0.0260008	0.16861865	3.2448825	21	10 12.9	20.7
537720 2015 TF_{222}	16.8	X	55.91078	247.25593	63.86454	2.97085	0.1759876	0.17658311	3.1465643	21	11 13.1	21.0
537721 2015 TO_{234}	18.1	X	316.37436	18.30331	324.94134	7.12018	0.2894172	0.31274914	2.1495058	21	6 11.4	19.9
537722 2015 TV_{236}	17.5	X	224.53416	288.10916	252.92661	18.25830	0.0626191	0.35608079	1.9713800	21	—	—
537723 2015 TY_{239}	18.0	X	26.80388	138.36309	237.43378	20.48742	0.1039633	0.35811385	1.9639118	21	—	—
537724 2015 TD_{242}	16.4	X	27.18905	335.58675	14.97977	17.88390	0.2407098	0.17370590	3.1812149	21	11 27.0	20.6
537725 2015 TX_{243}	18.6	X	309.91931	87.69380	265.34982	4.87956	0.2460110	0.30957271	2.1641844	21	6 24.7	20.5
537726 2015 TS_{251}	16.6	X	51.22418	110.74572	204.73886	14.68826	0.2696349	0.17400771	3.1775353	21	11 25.9	21.2
537727 2015 TD_{255}	18.5	X	30.18439	70.34309	33.44300	22.16221	0.1066858	0.38870512	1.8594701	21	—	—
537728 2015 TW_{259}	18.1	X	348.14711	65.22995	24.01805	20.63694	0.0662913	0.36428402	1.9416724	21	—	—
537729 2015 TS_{260}	17.5	X	28.17784	99.66415	224.63496	20.36908	0.0708307	0.34177328	2.0260212	21	11 4.6	19.2
537730 2015 TW_{285}	18.1	X	105.98628	79.91432	268.59056	18.33156	0.0843864	0.38109064	1.8841575	21	—	—
537731 2015 TC_{287}	18.4	X	35.06792	178.67625	228.99371	19.79203	0.1198306	0.37153089	1.9163409	21	—	—
537732 2015 TS_{287}	16.3	X	40.77507	127.52398	205.59067	9.12460	0.0916662	0.17422787	3.1748580	21	11 9.0	20.6
537733 2015 TX_{305}	18.7	X	315.69476	125.35569	219.08560	6.56140	0.2963654	0.31010963	2.1616857	21	6 11.4	20.4
537734 2015 TS_{312}	17.7	X	135.17573	46.28504	266.38610	18.91735	0.0530960	0.37893900	1.8912830	21	—	—
537735 2015 TF_{323}	18.1	X	242.19625	302.78058	245.04158	19.47674	0.0579777	0.36604069	1.9354553	21	—	—
537736 2015 TH_{351}	18.2	X	306.32587	313.86446	158.70336	23.04100	0.0600788	0.36016222	1.9564584	21	—	—
537737 2015 TO_{351}	18.2	X	170.76896	14.47438	197.84909	21.97667	0.0220257	0.35069288	1.9915204	21	12 8.4	20.9
537738 2015 TE_{352}	18.2	X	255.71798	95.36698	59.04706	22.38668	0.0668412	0.35588511	1.9721026	21	—	—
537739 2015 TV_{365}	16.4	X	70.30094	231.15745	71.46086	5.42400	0.2660897	0.17528377	3.1620950	21	11 29.3	21.3
537740 2015 TP_{368}	16.7	X	226.16629	228.39481	163.43611	6.52988	0.1417341	0.25333522	2.4736543	21	5 20.9	20.5
537741 2015 TG_{375}	16.3	X	26.70835	322.44508	14.87553	17.14012	0.2141072	0.17593306	3.1543102	21	11 6.0	20.3
537742 2015 TT_{377}	16.8	X	90.90378	96.25028	197.26550	14.98497	0.2272485	0.17804944	3.1292648	21	12 4.4	22.0
537743 2015 TD_{381}	16.0	X	99.52183	72.89244	206.04432	26.00611	0.2621833	0.17546702	3.1598930	21	11 26.6	21.5
537744 2015 TD_{385}	17.0	X	75.63197	305.48397	2.11136	11.27063	0.2214346	0.18460510	3.0547353	21	12 4.4	21.9
537745 2015 UH_{28}	17.0	X	106.93611	241.09049	65.82680	6.74080	0.1959336	0.19595362	2.9356246	21	—	—
537746 2015 UC_{51}	18.2	X	321.29523	31.12406	109.82040	23.95423	0.0733650	0.36725141	1.9311992	21	—	—
537747 2015 UJ_{54}	18.5	X	251.47728	220.88391	180.47319	4.42477	0.1377760	0.29956444	2.2121227	21	6 28.7	21.4
537748 2015 UQ_{66}	18.3	X	17.26009	25.72202	62.83766	23.91627	0.0734637	0.37343364	1.9098258	21	—	—
537749 2015 UW_{66}	17.8	X	73.36786	287.98955	127.76972	23.05667	0.1424164	0.39122248	1.8514849	21	—	—
537750 2015 UE_{72}	15.6	X	91.21078	255.62724	20.90375	27.14494	0.1022367	0.17712148	3.1401849	21	10 27.2	20.4
537751 2015 UJ_{84}	18.2	X	328.51190	262.60120	234.95609	16.98076	0.0716556	0.38087178	1.8848792	21	—	—
537752 2015 UL_{84}	18.5	X	141.15245	69.40451	206.69758	20.82453	0.0720165	0.36420456	1.9419548	21	—	—
537753 2015 UM_{84}	18.6	X	285.53965	60.47003	113.17991	24.60778	0.0826916	0.36190714	1.9501647	21	—	—
537754 2015 UN_{84}	18.0	X	136.56515	50.13517	219.80813	20.45695	0.0501052	0.35454053	1.9770855	21	—	—
537755 2015 UR_{84}	18.1	X	326.97287	288.10697	192.89815	21.34949	0.0987526	0.35774459	1.9652630	21	—	—
537756 2015 UT_{84}	18.4	X	132.54291	188.73344	111.91652	24.92546	0.0690903	0.36010135	1.9566788	21	—	—
537757 2015 UU_{84}	18.4	X	95.75973	300.91521	75.40430	24.62664	0.0896753	0.37683052	1.8983313	21	—	—
537758 2015 UV_{84}	17.9	X	119.97289	61.58087	233.18555	19.60203	0.0547362	0.36224130	1.9489651	21	—	—
537759 2015 UG_{85}	18.3	X	330.18118	93.82577	69.53150	23.18001	0.0603895	0.39116303	1.8516725	21	—	—
537760 2015 UF_{90}	16.4	X	356.16789	154.34388	101.07603	26.78111	0.1502040	0.23628736	2.5912485	21	5 25.2	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
537761 2015 VJ	17.4	X	12.64501	114.64248	261.39773	17.64935	0.1070785	0.36007590	1.9567711	21	—	—
537762 2015 VQ	18.1	X	154.01452	256.60668	42.55838	21.79466	0.1213651	0.37819044	1.8937778	21	—	—
537763 2015 VM_{2}	18.9	X	47.99652	87.65876	2.59611	20.97952	0.0300330	0.39431556	1.8417900	21	—	—
537764 2015 VD_{3}	17.6	X	120.80615	296.16075	27.97942	21.57055	0.1063319	0.38298346	1.8779443	21	—	—
537765 2015 VW_{31}	18.3	X	206.81647	221.87345	244.35340	6.42811	0.0424054	0.30309543	2.1949087	21	8 12.4	21.2
537766 2015 VZ_{32}	18.4	X	279.42299	47.73469	1.02089	4.70007	0.1002147	0.31134594	2.1559594	21	8 28.7	20.5
537767 2015 VH_{37}	18.3	X	237.93911	120.36042	225.09268	1.60223	0.2311357	0.27044273	2.3682043	21	3 25.6	22.3
537768 2015 VS_{39}	18.0	X	212.09618	69.19622	43.70872	6.50272	0.0549334	0.30693147	2.1765823	21	9 4.3	20.7
537769 2015 VH_{43}	18.1	X	181.29023	232.18365	337.03615	17.17213	0.0852787	0.36520394	1.9384105	21	12 12.8	20.7
537770 2015 VZ_{58}	15.9	X	57.98593	254.00089	59.76197	12.32768	0.1486457	0.17218837	3.1998786	21	11 14.8	20.3
537771 2015 VY_{64}	17.8	X	259.81329	201.23895	144.81553	3.25595	0.2430090	0.27875418	2.3208930	21	4 14.6	21.5
537772 2015 VL_{65}	18.2	X	175.06234	149.36074	116.49695	12.77781	0.0238758	0.36291146	1.9465651	21	—	—
537773 2015 VO_{65}	17.8	X	141.14824	38.61089	261.31535	18.88933	0.0337040	0.36532658	1.9379766	21	—	—
537774 2015 VR_{67}	18.2	X	37.89006	187.16062	229.68806	19.80912	0.1372796	0.37337134	1.9100382	21	—	—
537775 2015 VA_{96}	18.3	X	326.14302	303.50875	51.64042	0.73553	0.1916366	0.31430862	2.1423900	21	8 19.5	19.3
537776 2015 VB_{96}	18.4	X	329.54358	109.10020	221.49901	4.93258	0.2161804	0.30796579	2.1717062	21	7 6.1	19.6
537777 2015 VF_{107}	18.3	X	6.71578	165.88324	236.74998	18.24184	0.1050186	0.35601589	1.9716196	21	—	—
537778 2015 VW_{107}	18.8	X	50.80398	51.95132	33.14102	22.50781	0.1037057	0.39160343	1.8502840	21	—	—
537779 2015 VO_{108}	18.0	X	98.66077	297.02796	42.94517	23.32062	0.0752387	0.37132111	1.9170626	21	—	—
537780 2015 VV_{112}	17.6	X	241.64919	159.07095	177.04619	12.42074	0.2898496	0.26992220	2.3712480	21	3 14.9	21.9
537781 2015 VN_{113}	17.6	X	182.90070	250.05882	217.25112	21.28937	0.2223011	0.27780663	2.3261675	21	7 8.3	22.0
537782 2015 VN_{121}	18.3	X	73.07272	290.79954	82.51225	23.76598	0.1060445	0.36916087	1.9245341	21	—	—
537783 2015 VM_{123}	17.9	X	68.73429	134.98791	261.60695	18.88636	0.1361586	0.37633930	1.8999828	21	—	—
537784 2015 VV_{125}	18.0	X	3.99887	48.12406	61.80542	23.00378	0.1232641	0.38038484	1.8864874	21	—	—
537785 2015 VD_{127}	18.0	X	95.79246	269.26153	65.56890	22.69374	0.0555048	0.36355201	1.9442780	21	—	—
537786 2015 VK_{130}	18.3	X	99.23253	203.00471	199.11168	19.84556	0.1135338	0.38880963	1.8591369	21	—	—
537787 2015 VP_{131}	18.1	X	58.04833	192.53347	215.99900	21.11210	0.1102206	0.38180026	1.8818221	21	—	—
537788 2015 VA_{134}	17.1	X	151.94045	340.94654	80.00574	7.42293	0.1206171	0.25275559	2.4774347	21	4 14.4	20.8
537789 2015 VA_{135}	18.2	X	258.06703	223.64378	206.65113	6.62450	0.0932057	0.30589350	2.1815033	21	8 24.6	20.7
537790 2015 VJ_{143}	15.9	X	81.49331	198.59258	117.42830	11.32194	0.1603871	0.18435598	3.0574866	21	12 16.3	20.6
537791 2015 VM_{143}	18.2	X	275.20556	50.78306	56.57989	25.64789	0.0993616	0.33662085	2.0466427	21	11 24.0	19.7
537792 2015 VX_{151}	17.6	X	344.81554	218.19245	76.94646	7.20113	0.1314814	0.26709396	2.3879579	21	6 22.3	19.8
537793 2015 VB_{153}	18.4	X	68.63102	263.86384	102.30309	19.15038	0.1554752	0.36619394	1.9349152	21	—	—
537794 2015 VG_{153}	18.2	X	122.22787	88.58904	261.29430	19.24076	0.1039379	0.38181314	1.8817798	21	—	—
537795 2015 WL_{1}	18.3	X	230.70828	142.91206	84.93885	23.27294	0.0617354	0.36994146	1.9218259	21	—	—
537796 2015 WK_{2}	19.4	X	31.68421	0.28513	88.55406	5.02135	0.2721359	0.37309430	1.9109836	21	—	—
537797 2015 WR_{2}	17.9	X	71.29131	295.59595	98.52124	23.10422	0.0923948	0.37338682	1.9099855	21	—	—
537798 2015 WH_{5}	18.3	X	15.20736	264.15533	227.00023	20.18119	0.0918254	0.38416844	1.8740806	21	—	—
537799 2015 WF_{7}	18.2	X	262.83734	73.22792	349.19434	4.19227	0.0932669	0.30198176	2.2003017	21	8 23.2	20.7
537800 2015 WN_{16}	18.3	X	315.10749	58.03620	84.85274	24.68098	0.0505162	0.37014993	1.9211043	21	—	—
537801 2015 WG_{18}	16.8	X	143.41279	195.91394	275.95613	9.89291	0.1239435	0.23510623	2.5999199	21	6 8.5	20.7
537802 2015 WV_{20}	16.7	X	57.66975	307.25197	231.88575	12.29150	0.1929861	0.22748137	2.6576972	21	5 29.7	19.6
537803 2015 WF_{22}	16.2	X	36.14998	255.23134	277.86585	20.81036	0.0214655	0.22482252	2.6786101	21	3 15.7	20.4
537804 2015 XO_{1}	18.7	X	319.71368	54.03514	122.93119	22.97212	0.0659045	0.38186229	1.8816183	21	—	—
537805 2015 XZ_{16}	17.6	X	112.34671	231.43563	164.07673	2.12543	0.0898195	0.22271867	2.6954522	21	1 21.2	21.1
537806 2015 XQ_{37}	18.1	X	297.96718	256.45451	112.67470	6.87878	0.1753610	0.30250470	2.1977652	21	7 12.7	20.2
537807 2015 XF_{62}	18.4	X	335.47575	206.08867	148.82029	4.06855	0.1877029	0.31382927	2.1445709	21	9 16.2	19.2
537808 2015 XA_{72}	18.3	X	185.33446	175.62584	73.31914	23.35383	0.0322047	0.36531144	1.9380302	21	—	—
537809 2015 XZ_{91}	18.2	X	327.89539	137.27227	201.80800	6.97011	0.0466959	0.29675520	2.2260615	21	8 4.6	20.6
537810 2015 XN_{102}	18.7	X	232.56914	215.71214	217.86122	6.19333	0.0713203	0.29169639	2.2517250	21	7 27.6	21.6
537811 2015 XT_{132}	15.5	X	348.49559	253.05367	64.34885	6.14022	0.1378616	0.12334918	3.9967949	21	7 30.9	20.4
537812 2015 XJ_{145}	18.4	X	17.07618	246.07590	80.99004	3.48369	0.1212637	0.31835785	2.1241850	21	10 27.2	20.2
537813 2015 XA_{178}	17.4	X	3.13347	105.99899	163.74028	5.80751	0.1550135	0.27892400	2.3199509	21	6 19.7	19.3
537814 2015 XH_{180}	16.7	X	19.55808	301.89523	239.15473	16.42097	0.1433610	0.23103062	2.6304074	21	3 3.9	19.9
537815 2015 XE_{212}	18.3	X	213.23316	254.99683	242.23030	1.36365	0.0667850	0.30958225	2.1641400	21	10 5.5	20.8
537816 2015 XM_{228}	18.4	X	320.65224	124.22508	245.29248	3.29886	0.1517581	0.30967510	2.1637074	21	9 2.2	20.1
537817 2015 XX_{245}	17.3	X	206.87499	209.03873	228.66892	8.65628	0.1158868	0.26206186	2.4184299	21	6 29.2	21.0
537818 2015 XC_{246}	16.7	X	172.13777	179.39695	242.56265	12.21137	0.0765311	0.23691384	2.5866783	21	5 1.5	20.5
537819 2015 XW_{302}	18.0	X	5.71899	84.22351	241.83241	3.12875	0.1202512	0.31116774	2.1567824	21	9 29.2	19.8
537820 2015 XL_{307}	18.1	X	185.12486	80.42972	67.79558	3.02914	0.0123847	0.30385328	2.1912576	21	9 20.6	20.6
537821 2015 XB_{333}	18.3	X	112.02398	316.25002	249.05374	5.69553	0.0057307	0.29288666	2.2456203	21	8 23.4	21.1
537822 2015 XM_{333}	18.0	X	41.16933	352.74608	255.48543	6.68589	0.0933050	0.27791695	2.3255519	21	7 25.1	20.4
537823 2015 XJ_{344}	17.6	X	340.56203	208.38486	85.17327	7.20254	0.1447817	0.27723508	2.3293635	21	6 9.2	19.5
537824 2015 XS_{345}	17.9	X	350.40531	74.71427	225.78270	6.29655	0.1188976	0.28468320	2.2885557	21	7 12.4	20.0
537825 2015 XB_{348}	17.6	X	277.09577	72.31448	260.92281	5.51761	0.1246656	0.26663508	2.3906969	21	4 27.9	20.7
537826 2015 XC_{365}	17.6	X	215.62075	11.10611	62.09900	8.10860	0.1341577	0.27948441	2.3168486	21	7 2.5	21.1
537827 2015 XP_{367}	17.5	X	213.63909	158.91113	282.22481	5.57170	0.0650773	0.28133632	2.3066702	21	7 16.0	20.3
537828 2015 XN_{370}	16.3	X	285.87709	350.45647	268.74422	17.40701	0.1649227	0.22821813	2.6519742	21	1 28.1	20.5
537829 2015 XY_{378}	19.7	X	304.54179	265.62951	1.24875	13.91318	0.4892323	1.64675090	0.7102056	21	—	—
537830 2015 XS_{382}	17.5	X	263.58692	109.38756	266.04828	9.19128	0.1163879	0.27915449	2.3186737	21	6 10.8	20.5
537831 2015 XP_{383}	17.5	X	186.96315	53.62422	103.76088	22.80928	0.2267016	0.28764480	2.2728199	21	9 30.4	21.7
537832 2015 XE_{385}	17.9	X	320.16335	204.89560	315.85750	17.10000	0.0536417	0.35999272	1.9570724	21	—	—
537833 2015 XF_{385}	18.1	X	65.01117	108.95178	280.99945	17.63767	0.0884971	0.36956536	1.9231296	21	—	—
537834 2015 XO_{386}	18.2	X	310.71267	48.74556	153.30750	22.81766	0.0674446	0.38586196	1.8685931	21	—	—
537835 2015 XY_{386}	17.8	X	302.91469	61.82021	90.50615	23.76833	0.0903879	0.35813576	1.9638317	21	—	—
537836 2015 XS_{388}	18.3	X	38.01058	126.27962	290.26050	16.45067	0.1108166	0.35287269	1.9833104	21	—	—
537837 2015 XF_{394}	16.2	X	270.77567	64.84296	193.19755	16.29825	0.0984419	0.17906363	3.1174377	21	1 28.2	21.1
537838 2015 XY_{394}	18.5	X	156.00305	123.83008	52.01836	5.48195	0.0606405	0.30059890	2.2070447	21	9 20.3	21.4
537839 2015 XO_{395}	16.1	X	259.92127	18.15983	276.25516	14.19700	0.1217343	0.20478671	2.8505907	21	2 19.8	20.7
537840 2015 XC_{396}	17.3	X	348.41166	27.00803	257.48891	14.46873	0.0934599	0.24335488	2.5408324	21	6 15.9	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
537841 2015 XD_{396}	17.4	X	165.55807	215.58573	233.65218	6.90751	0.0530617	0.24491284	2.5300456	21	5 29.8	20.8
537842 2015 XH_{396}	16.9	X	49.96391	286.49310	267.68308	10.50102	0.1292261	0.22640440	2.6661187	21	5 27.5	19.9
537843 2015 XQ_{396}	17.0	X	137.33571	234.51687	265.15901	10.30696	0.0895202	0.24447019	2.5330987	21	7 4.9	20.7
537844 2015 XR_{396}	16.1	X	171.35260	134.98951	295.67460	21.22429	0.0496667	0.22681260	2.6629188	21	5 6.8	20.4
537845 2015 XT_{396}	17.2	X	118.14823	249.22089	270.64152	10.71558	0.1235007	0.24079336	2.5588198	21	7 12.7	21.0
537846 2015 XA_{397}	17.5	X	237.37189	43.45748	32.44113	11.40631	0.0724435	0.27534519	2.3400100	21	8 13.6	20.8
537847 2015 XF_{397}	18.1	X	221.30151	214.46007	244.46397	6.11760	0.0841223	0.27297153	2.3535557	21	8 15.0	21.3
537848 2015 XH_{397}	17.3	X	169.10270	124.29013	7.24225	14.54584	0.0071873	0.26861962	2.3789076	21	8 6.6	20.6
537849 2015 XP_{397}	17.7	X	276.33245	238.81762	190.66507	6.29820	0.0916127	0.28270655	2.2992108	21	9 20.5	20.3
537850 2015 XG_{400}	16.3	X	298.54997	27.10257	265.68135	10.71231	0.1422144	0.21001320	2.8030982	21	3 31.8	20.4
537851 2015 XZ_{400}	16.9	X	300.71625	38.83484	256.52188	12.42912	0.1688516	0.23082744	2.6319508	21	3 31.2	20.7
537852 2015 XD_{401}	16.5	X	29.06244	300.32898	238.52840	6.92004	0.0978075	0.20576806	2.8415202	21	3 28.3	19.9
537853 2015 XG_{402}	16.9	X	296.65126	39.03473	262.74745	10.15191	0.1829827	0.22051216	2.7134033	21	4 3.3	20.9
537854 2015 XM_{402}	16.8	X	300.21310	41.32942	223.65093	9.47801	0.0587292	0.20916830	2.8106416	21	3 12.5	20.8
537855 2015 XO_{402}	16.5	X	241.96365	87.92565	226.02024	11.22743	0.0404272	0.19817087	2.9136866	21	3 6.5	21.0
537856 2015 XQ_{402}	17.4	X	10.14961	43.98184	225.63532	8.80672	0.1379554	0.23574336	2.5952333	21	7 3.8	20.2
537857 2015 XC_{404}	16.2	X	322.18455	351.71308	260.91780	7.30609	0.1720034	0.19850812	2.9103856	21	3 10.3	20.1
537858 2015 XY_{404}	17.7	X	65.50076	291.51387	281.51087	2.42345	0.1247961	0.25727079	2.4483626	21	7 18.6	20.5
537859 2015 XP_{407}	17.0	X	355.15763	249.52939	7.96861	11.96582	0.1695540	0.24367089	2.5386351	21	5 8.5	19.5
537860 2015 XU_{408}	17.1	X	176.12606	179.24230	244.91693	12.83462	0.1570429	0.24094897	2.5577181	21	5 11.9	21.2
537861 2015 XU_{409}	16.8	X	343.41448	261.60698	341.24186	13.41499	0.1602674	0.22099074	2.7094845	21	3 28.3	19.9
537862 2015 XB_{410}	16.8	X	84.42233	136.27529	52.56626	13.70064	0.1414733	0.24512322	2.5285977	21	7 16.0	20.4
537863 2015 XM_{412}	16.0	X	255.76566	355.52089	245.65986	15.88466	0.1600624	0.17530168	3.1618797	21	—	—
537864 2015 XS_{414}	16.9	X	271.43132	50.45737	246.66500	12.73098	0.1391947	0.21779659	2.7359112	21	3 4.2	21.3
537865 2015 XX_{414}	17.8	X	169.00501	208.20810	240.95542	3.62312	0.0555740	0.24275188	2.5450383	21	6 3.0	21.4
537866 2015 XG_{415}	16.9	X	6.78686	291.59235	296.15298	11.36607	0.0732032	0.22018011	2.7161307	21	4 23.4	20.5
537867 2015 XK_{415}	17.1	X	71.02850	238.68700	300.70722	10.39748	0.1184957	0.22877278	2.6476860	21	6 7.8	20.5
537868 2015 XM_{415}	16.6	X	298.00412	337.93372	306.40408	10.92923	0.0734827	0.21390061	2.7690324	21	3 28.9	20.6
537869 2015 XW_{415}	17.0	X	149.57394	148.79360	317.66625	11.09393	0.0300034	0.23612764	2.5924168	21	5 29.7	20.7
537870 2015 XA_{416}	16.3	X	280.24599	56.84574	292.26030	13.10671	0.1356942	0.24408770	2.5357443	21	5 23.6	20.0
537871 2015 XX_{416}	17.7	X	307.14327	40.82074	282.51662	5.91737	0.0968981	0.27285091	2.3542493	21	6 1.2	20.4
537872 2015 XZ_{416}	18.3	X	219.87397	204.34772	272.05253	7.23162	0.0240406	0.30037303	2.2081509	21	9 15.4	21.0
537873 2015 XP_{418}	16.6	X	149.11478	225.66008	263.01007	10.42656	0.0815776	0.24568961	2.5247101	21	7 3.2	20.3
537874 2015 XN_{419}	16.4	X	251.80686	16.27142	301.10990	14.09452	0.1322027	0.20331465	2.8643336	21	3 10.2	21.1
537875 2015 XR_{419}	17.1	X	22.62942	292.12993	280.51257	8.05642	0.0734151	0.21732126	2.7398991	21	4 30.9	20.5
537876 2015 XY_{419}	16.7	X	169.15826	135.38563	284.48290	15.54071	0.1664600	0.22622726	2.6675102	21	4 26.7	21.3
537877 2015 XG_{420}	16.5	X	193.59681	79.52936	275.24696	10.89021	0.0691787	0.19427970	2.9524628	21	3 1.4	21.2
537878 2015 XS_{421}	16.5	X	309.92555	3.14246	266.07566	17.29613	0.1823254	0.23784647	2.5799121	21	3 1.4	20.4
537879 2015 XU_{421}	17.8	X	67.26537	246.18989	107.68723	24.46086	0.0902211	0.35851121	1.9624604	21	—	—
537880 2015 YH_{2}	16.5	X	219.88797	157.09208	275.54699	25.18633	0.2296082	0.28457475	2.2891371	21	6 29.3	20.1
537881 2015 YA_{4}	18.1	X	112.62896	283.52136	83.81091	24.59747	0.0873649	0.37764862	1.8955887	21	—	—
537882 2015 YM_{4}	17.5	X	174.67862	93.63850	66.10533	8.15117	0.1885159	0.27203533	2.3589524	21	9 16.5	21.4
537883 2015 YQ_{6}	17.6	X	275.62864	119.20016	258.38152	4.53814	0.1335799	0.28070394	2.3101333	21	6 27.5	20.3
537884 2015 YJ_{21}	18.5	X	7.60044	115.52822	359.03805	19.57090	0.0763510	0.36324555	1.9453713	21	—	—
537885 2015 YX_{23}	16.9	X	310.14375	341.51819	291.48161	12.24008	0.1662335	0.22888220	2.6468421	21	3 13.3	20.7
537886 2015 YH_{24}	17.6	X	261.12369	275.46535	109.40642	10.71806	0.0252966	0.26465476	2.4026080	21	7 5.3	20.4
537887 2015 YO_{24}	17.7	X	128.37578	37.83573	63.88232	2.93845	0.0812027	0.24216665	2.5491369	21	5 4.2	21.2
537888 2015 YR_{25}	17.8	X	186.53612	223.47556	285.62746	6.06522	0.0483914	0.28867052	2.2674328	21	9 14.1	20.8
537889 2015 YJ_{26}	18.4	X	174.88244	208.09864	290.94662	5.53173	0.0540054	0.27779838	2.3262135	21	8 16.9	21.5
537890 2015 YO_{27}	16.5	X	167.10541	147.89873	282.15300	21.26835	0.0646684	0.24245725	2.5470996	21	4 30.9	20.6
537891 2016 AL_{6}	16.5	X	74.59672	35.11394	28.99838	2.21560	0.0503322	0.19863347	2.9091611	21	1 7.8	20.2
537892 2016 AE_{8}	18.1	X	215.84844	8.38441	94.88051	3.71567	0.1019569	0.28267061	2.2994058	21	8 17.3	21.1
537893 2016 AR_{9}	18.1	X	265.92706	301.88120	298.17142	19.97415	0.0952777	0.37506581	1.9042811	21	—	—
537894 2016 AW_{22}	15.9	X	345.65922	282.21571	294.62215	13.57788	0.0348133	0.22229390	2.6988848	21	3 8.4	19.7
537895 2016 AD_{24}	17.5	X	155.72446	224.00252	278.57443	5.96408	0.0635373	0.27009436	2.3702402	21	7 29.3	20.7
537896 2016 AJ_{24}	16.4	X	53.96291	258.10688	282.37400	10.10987	0.1364298	0.23289153	2.6163766	21	5 13.2	19.5
537897 2016 AX_{24}	18.7	X	238.73501	349.29626	120.20278	3.86757	0.0991375	0.29728438	2.2234191	21	9 26.6	21.3
537898 2016 AK_{32}	17.5	X	295.29141	37.07920	250.13699	4.47694	0.1551566	0.23574420	2.5952272	21	3 18.3	21.0
537899 2016 AR_{34}	16.6	X	185.67324	262.73099	104.05468	12.62737	0.0915766	0.22697460	2.6616516	21	3 15.5	20.8
537900 2016 AB_{35}	16.3	X	220.88609	3.05133	305.84983	3.39831	0.0569981	0.21193522	2.7861252	21	2 5.8	20.2
537901 2016 AO_{36}	16.8	X	142.48279	220.99481	258.69378	7.85434	0.1154742	0.24347747	2.5399794	21	6 16.9	20.4
537902 2016 AZ_{45}	18.0	X	208.82621	339.51809	129.63263	2.54020	0.1738331	0.28339480	2.2954868	21	8 10.4	21.5
537903 2016 AJ_{51}	18.2	X	337.69433	90.63478	280.29232	4.03324	0.1795554	0.30839185	2.1697055	21	10 17.2	19.5
537904 2016 AM_{53}	18.4	X	252.04267	122.76701	296.23239	5.35266	0.2336511	0.28863064	2.2676417	21	7 12.5	21.7
537905 2016 AG_{54}	16.5	X	27.12427	230.26514	280.10009	3.83981	0.0382299	0.21039686	2.7996896	21	2 15.7	20.0
537906 2016 AU_{64}	17.8	X	134.29878	26.83370	295.15783	17.59828	0.0729583	0.35632748	1.9704701	21	—	—
537907 2016 AA_{67}	18.0	X	147.47914	75.87571	124.83019	5.74568	0.2116832	0.27989014	2.3146090	21	10 13.3	21.9
537908 2016 AQ_{73}	16.6	X	113.90898	172.79663	293.19540	21.28265	0.0483817	0.22614582	2.6681506	21	4 5.6	20.9
537909 2016 AF_{74}	18.6	X	264.16166	102.69710	139.87152	23.57421	0.0569900	0.36681169	1.9327422	21	—	—
537910 2016 AV_{75}	15.9	X	181.22762	70.83693	271.19163	11.95583	0.1474908	0.20206634	2.8761183	21	2 5.5	20.6
537911 2016 AY_{75}	16.8	X	320.49954	23.90592	278.72684	11.44064	0.1108046	0.24524303	2.5277741	21	5 21.9	19.9
537912 2016 AU_{77}	17.3	X	102.84060	284.22963	284.01638	7.20748	0.0426937	0.27227554	2.3575647	21	8 18.6	20.4
537913 2016 AW_{80}	18.4	X	241.36716	357.41314	103.81488	8.45500	0.1672173	0.29615574	2.2290644	21	9 10.0	21.4
537914 2016 AL_{97}	18.7	X	261.23833	338.70490	99.39780	6.14933	0.1303710	0.29284870	2.2458143	21	9 8.5	21.3
537915 2016 AF_{99}	18.1	X	242.76157	100.06831	310.89966	4.44664	0.0921809	0.26886283	2.3774727	21	7 8.1	21.2
537916 2016 AN_{100}	16.6	X	127.38034	16.09700	28.19336	4.52852	0.1070157	0.20883536	2.8136281	21	2 26.8	20.5
537917 2016 AP_{100}	16.9	X	331.91043	257.22341	337.41968	8.48905	0.1685649	0.21063418	2.7975862	21	3 3.2	20.3
537918 2016 AX_{100}	18.9	X	231.35143	64.44569	30.20720	3.73871	0.1255033	0.28412482	2.2915532	21	8 21.9	22.0
537919 2016 AZ_{102}	18.1	X	146.72229	158.11630	15.44819	5.11305	0.1190106	0.27258621	2.3557731	21	9 4.3	21.5
537920 2016 AT_{103}	17.9	X	137.07529	75.11138	100.46648	7.68778	0.0453172	0.27109746	2.3643898	21	8 23.7	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
537921 2016 AM_{104}	18.8	X	221.79207	65.79528	81.21578	3.07322	0.0818507	0.29991316	2.2104076	21	10 29.1	21.4
537922 2016 AX_{104}	17.9	X	230.56534	340.30106	79.54006	4.90714	0.1165206	0.26746075	2.3857743	21	7 2.5	21.3
537923 2016 AL_{106}	17.9	X	237.88618	96.34433	322.76828	6.38465	0.0961621	0.26940708	2.3742697	21	7 13.5	21.2
537924 2016 AF_{108}	16.5	X	273.03822	176.58966	82.28464	8.67845	0.0181597	0.19977764	2.8980428	21	2 12.8	20.7
537925 2016 AX_{108}	17.8	X	216.77693	26.44769	62.38589	7.50835	0.0925267	0.27130847	2.3631637	21	7 30.7	21.1
537926 2016 AG_{109}	18.0	X	213.35756	106.34250	351.43909	8.01838	0.0676198	0.27270801	2.3550716	21	8 10.6	21.2
537927 2016 AD_{114}	17.2	X	321.95245	266.63547	26.87038	2.71210	0.1317530	0.24046321	2.5611614	21	5 9.1	20.0
537928 2016 AB_{117}	16.9	X	18.35365	314.03429	271.78878	1.17167	0.1436676	0.22598279	2.6694337	21	5 16.1	19.3
537929 2016 AL_{120}	16.7	X	311.24979	279.87528	357.21162	4.66887	0.1295406	0.21946885	2.7219958	21	4 2.5	20.2
537930 2016 AX_{120}	17.9	X	214.57554	349.37017	87.98705	3.83086	0.1541923	0.26524447	2.3990455	21	7 5.6	21.3
537931 2016 AG_{121}	16.5	X	34.87709	241.14489	323.45662	13.59652	0.0794912	0.22682292	2.6628380	21	5 5.6	20.1
537932 2016 AS_{123}	17.0	X	146.41844	8.54074	111.64261	9.27344	0.0518425	0.24484777	2.5304938	21	6 17.5	20.4
537933 2016 AW_{123}	17.2	X	256.56419	304.20337	116.59616	7.23433	0.0844323	0.27317376	2.3523940	21	8 11.5	20.1
537934 2016 AO_{125}	17.6	X	42.25311	133.47088	99.29804	3.14487	0.0443933	0.24643732	2.5196007	21	6 28.7	20.5
537935 2016 AV_{126}	18.6	X	251.44046	103.34415	57.80483	6.95579	0.1606984	0.31070633	2.1589172	21	12 19.3	20.7
537936 2016 AE_{128}	16.5	X	326.73912	196.15210	61.91586	13.46563	0.0712521	0.20691766	2.8309857	21	4 15.9	20.3
537937 2016 AE_{132}	18.7	X	43.95929	237.77984	218.57611	19.49203	0.0631843	0.38369624	1.8756178	21	—	—
537938 2016 AU_{140}	16.4	X	33.44601	319.96563	256.80879	10.65702	0.1382499	0.23513066	2.5997398	21	5 31.6	19.0
537939 2016 AX_{140}	16.8	X	314.36910	20.48657	258.63938	10.96308	0.2020955	0.22797450	2.6538633	21	3 23.1	20.5
537940 2016 AD_{142}	16.8	X	32.47121	323.08994	270.76233	10.11814	0.0809263	0.24503544	2.5292016	21	6 18.5	19.5
537941 2016 AT_{142}	16.9	X	15.51349	1.21521	268.30385	14.36840	0.1475937	0.25324421	2.4742469	21	7 14.6	19.4
537942 2016 AC_{164}	16.8	X	326.53170	10.80094	269.06590	13.60984	0.1081490	0.22822312	2.6519355	21	4 28.5	20.2
537943 2016 AH_{166}	18.2	X	202.15538	344.67855	139.90357	3.75366	0.1734395	0.28479753	2.2879432	21	8 24.6	21.4
537944 2016 AK_{172}	18.5	X	306.51351	97.84022	306.26993	3.15908	0.1515753	0.30564206	2.1826996	21	9 29.7	20.2
537945 2016 AT_{175}	17.2	X	355.33322	67.79780	208.42033	12.50116	0.1462971	0.24035979	2.5618960	21	6 14.1	20.0
537946 2016 AW_{176}	16.7	X	265.61871	109.41520	220.81727	12.89972	0.1505984	0.22825118	2.6517181	21	4 10.5	20.7
537947 2016 AH_{179}	16.7	X	307.41762	35.11531	271.31891	10.83692	0.0619116	0.23341686	2.6124495	21	5 15.2	20.2
537948 2016 AZ_{179}	16.6	X	4.07649	336.95050	271.95681	11.80938	0.1395589	0.22620096	2.6677170	21	5 21.1	19.5
537949 2016 AU_{180}	16.2	X	23.87771	309.80684	263.45021	8.60639	0.1176414	0.22018861	2.7160608	21	5 6.3	19.2
537950 2016 AO_{181}	17.7	X	278.92380	180.21349	207.29816	5.74410	0.3008395	0.27759449	2.3273524	21	6 20.2	20.9
537951 2016 AM_{182}	16.4	X	265.16375	55.72694	282.75857	13.40272	0.0144151	0.22766284	2.6562847	21	5 6.6	20.2
537952 2016 AB_{183}	16.5	X	84.01749	246.14055	294.66323	12.65885	0.0357730	0.23696590	2.5862995	21	6 15.9	19.9
537953 2016 AD_{183}	17.3	X	4.33370	7.03650	267.77245	7.25306	0.0787418	0.24071110	2.5594028	21	6 30.2	20.1
537954 2016 AX_{185}	16.9	X	11.36684	79.04103	170.66557	15.01515	0.0566873	0.23628990	2.5912299	21	6 7.3	20.4
537955 2016 AN_{187}	18.0	X	177.58323	97.88396	23.45752	2.81569	0.1630647	0.26785295	2.3834448	21	7 27.9	21.7
537956 2016 AM_{191}	18.2	X	262.38305	13.08401	44.46968	7.87174	0.1087544	0.28447186	2.2896891	21	8 14.7	21.1
537957 2016 AD_{192}	17.9	X	36.05044	324.90333	141.49796	23.96411	0.0772592	0.36412559	1.9422356	21	—	—
537958 2016 AH_{192}	15.8	X	10.88527	38.02778	77.83442	13.51502	0.1292917	0.18402107	3.0611952	21	—	—
537959 2016 AL_{194}	18.2	X	196.37914	328.47081	301.50099	17.63511	0.0480242	0.35282836	1.9834765	21	—	—
537960 2016 AQ_{194}	18.1	X	143.60755	26.27604	303.82439	19.08584	0.0280203	0.35725763	1.9670484	21	—	—
537961 2016 AT_{194}	18.2	X	161.34520	186.77936	130.77590	25.45150	0.0767136	0.35389584	1.9794859	21	—	—
537962 2016 AE_{195}	18.5	X	78.09174	278.71833	145.30986	23.29893	0.1337424	0.37734696	1.8965988	21	—	—
537963 2016 AB_{196}	18.2	X	201.42888	329.27671	329.06290	18.36247	0.0466367	0.36917947	1.9244695	21	—	—
537964 2016 AH_{208}	16.4	X	263.37086	290.08074	331.23058	6.56139	0.2462750	0.18528040	3.0473083	21	1 15.9	21.6
537965 2016 AG_{216}	16.8	X	284.82135	15.28661	261.66525	6.31841	0.1037989	0.20443858	2.8538259	21	3 3.1	21.0
537966 2016 AE_{217}	17.5	X	44.31220	189.48145	54.29208	2.18585	0.1529865	0.25646101	2.4535137	21	8 4.4	20.0
537967 2016 AQ_{217}	18.0	X	234.94170	128.69406	306.37654	5.87650	0.0884625	0.27213650	2.3583677	21	8 1.1	21.1
537968 2016 AT_{217}	15.8	X	204.58288	233.62925	118.62355	12.16541	0.0970994	0.19607042	2.9344586	21	3 19.7	20.5
537969 2016 AX_{217}	16.2	X	274.73287	264.64921	65.30881	15.79989	0.1238535	0.21177513	2.7875291	21	5 1.2	20.3
537970 2016 AY_{217}	17.4	X	195.25863	143.45743	66.68219	8.62505	0.0694559	0.28746858	2.2737487	21	12 18.1	20.3
537971 2016 AB_{218}	18.1	X	53.45727	116.80708	153.54183	7.04073	0.0831127	0.26664458	2.3906402	21	9 16.6	20.8
537972 2016 AD_{218}	18.0	X	64.15320	69.29519	176.41681	5.58022	0.0500894	0.26230478	2.4169366	21	8 19.7	21.0
537973 2016 AD_{219}	17.7	X	205.88361	204.18359	210.84908	13.10187	0.0481549	0.24706260	2.5153478	21	6 2.3	21.3
537974 2016 AQ_{219}	17.7	X	72.69979	331.58860	273.06579	3.65737	0.0915424	0.27489519	2.3425630	21	9 6.4	20.6
537975 2016 AT_{219}	18.7	X	254.64471	304.06613	129.36049	4.33166	0.0754131	0.28808788	2.2704890	21	8 29.6	21.3
537976 2016 AO_{220}	16.7	X	103.05025	125.75630	37.80324	2.72837	0.0123347	0.22210102	2.7004471	21	6 14.4	20.4
537977 2016 AZ_{220}	17.0	X	312.91636	316.49009	301.55700	7.79283	0.0654723	0.21913695	2.7247436	21	3 17.2	20.7
537978 2016 AH_{221}	17.4	X	272.58223	44.40729	271.84503	5.13527	0.0196587	0.22629103	2.6670090	21	4 17.3	21.0
537979 2016 AJ_{221}	16.4	X	296.84818	19.36895	284.34976	13.64906	0.0890704	0.22914491	2.6448187	21	4 18.0	20.2
537980 2016 AF_{222}	17.5	X	88.74480	290.38139	223.91658	13.57090	0.0254120	0.23810312	2.5780579	21	5 14.9	20.9
537981 2016 AK_{222}	16.9	X	258.00366	83.45487	256.95782	9.79840	0.1398907	0.23091087	2.6313167	21	4 14.6	21.1
537982 2016 AL_{223}	17.8	X	213.11697	344.60091	79.06152	4.56393	0.0929813	0.26278650	2.4139819	21	6 19.3	21.2
537983 2016 AO_{223}	17.9	X	164.02856	282.59780	241.63432	5.88980	0.0558064	0.27519559	2.3408580	21	9 5.7	21.1
537984 2016 AP_{223}	17.8	X	335.26936	172.03218	145.19183	5.76126	0.0741565	0.26740654	2.3860967	21	7 13.2	20.4
537985 2016 AQ_{223}	17.7	X	38.13866	54.22179	198.16211	6.47227	0.0719992	0.26141047	2.4224458	21	7 22.8	20.6
537986 2016 AY_{223}	17.9	X	198.00889	95.38705	12.75187	6.77335	0.0547320	0.27080259	2.3661059	21	8 6.9	21.1
537987 2016 AE_{224}	15.7	X	227.80540	342.02129	326.27843	11.68567	0.0804764	0.18494192	3.0510253	21	2 15.9	20.2
537988 2016 AN_{224}	16.8	X	356.60288	185.16614	60.50876	11.32353	0.0593929	0.21451846	2.7637130	21	5 9.9	20.1
537989 2016 AO_{224}	16.4	X	328.37300	17.57907	269.37129	11.49439	0.1321295	0.21938724	2.7226709	21	5 10.7	19.7
537990 2016 AQ_{224}	15.9	X	241.14731	277.52304	28.59313	22.50519	0.1286747	0.18250057	3.0781745	21	3 7.7	21.1
537991 2016 AS_{224}	15.8	X	237.22094	26.43484	240.44812	15.87269	0.0950095	0.17236730	3.1976637	21	1 6.7	20.9
537992 2016 AN_{225}	16.8	X	50.18058	331.92548	253.66965	11.68828	0.1911295	0.23417504	2.6068076	21	7 19.9	19.9
537993 2016 AO_{225}	16.8	X	189.98181	138.73050	290.59687	12.84473	0.0356657	0.24480067	2.5308184	21	5 31.9	20.4
537994 2016 AN_{226}	17.3	X	287.20625	192.48928	121.47447	10.64334	0.1447162	0.23878523	2.5731459	21	4 21.0	21.0
537995 2016 AO_{226}	16.9	X	278.63169	359.86132	324.84375	13.40014	0.1830138	0.23801461	2.5786970	21	4 7.5	20.9
537996 2016 AR_{226}	18.1	X	198.25061	324.40505	160.85114	5.44347	0.1057899	0.26522168	2.3991830	21	8 24.0	21.3
537997 2016 AC_{227}	16.9	X	308.96838	189.75487	94.07922	15.48088	0.2294673	0.22260734	2.6963508	21	4 2.0	20.8
537998 2016 AN_{227}	17.2	X	253.34406	52.08546	313.96743	9.65765	0.1112021	0.24027854	2.5624736	21	5 15.6	21.2
537999 2016 AM_{228}	16.1	X	260.42694	348.45829	280.73158	8.69718	0.1460459	0.18523234	3.0478354	21	1 27.3	20.8
538000 2016 AV_{231}	17.3	X	91.52696	136.92444	65.05383	5.75710	0.1037945	0.25712833	2.4492668	21	8 7.7	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538001 2016 AW_{231}	17.3	X	293.24603	190.83584	125.89034	15.77481	0.1276678	0.24145094	2.5541719	21	5 6.7	21.0
538002 2016 AZ_{231}	18.3	X	284.88544	298.35832	98.34376	4.77007	0.0975499	0.28135369	2.3065753	21	8 17.4	20.8
538003 2016 AC_{232}	17.9	X	350.79154	204.12435	104.18745	2.98093	0.0255965	0.25949402	2.4343582	21	7 28.4	20.7
538004 2016 AE_{232}	16.8	X	26.62302	312.74456	266.81553	7.62392	0.0672793	0.22132260	2.7067753	21	5 18.3	20.0
538005 2016 AN_{232}	16.3	X	282.14427	45.29357	248.74346	11.13995	0.1873296	0.21329232	2.7742946	21	3 7.5	20.7
538006 2016 AP_{233}	15.7	X	296.37849	206.49953	101.38799	15.20419	0.1911284	0.22029337	2.7151996	21	4 22.3	19.7
538007 2016 AU_{234}	16.9	X	155.24948	154.25659	324.52389	8.07539	0.0665613	0.23982635	2.5656936	21	6 27.8	20.6
538008 2016 AM_{235}	17.5	X	79.11032	61.09147	166.26024	4.67331	0.0921243	0.25881409	2.4386199	21	8 22.1	20.7
538009 2016 AR_{235}	17.2	X	116.84463	131.35319	47.87648	8.38887	0.0391133	0.26210471	2.4181663	21	8 1.3	20.5
538010 2016 AA_{236}	18.2	X	153.99751	94.53247	96.03218	7.09028	0.0600221	0.29001262	2.2604320	21	10 8.4	21.3
538011 2016 AM_{236}	18.0	X	116.76318	31.26478	165.75083	6.48518	0.0735637	0.27261539	2.3556050	21	8 27.1	21.0
538012 2016 AT_{236}	18.4	X	97.28639	211.69166	2.38619	2.25322	0.0742797	0.27285337	2.3542351	21	8 27.3	21.3
538013 2016 AC_{237}	17.7	X	217.29279	97.05582	319.37979	4.60426	0.1156646	0.25891112	2.4380106	21	6 12.7	21.4
538014 2016 AE_{237}	16.9	X	339.97416	281.70368	17.63182	4.08096	0.1433931	0.24607108	2.5221002	21	6 18.4	19.4
538015 2016 AH_{237}	16.1	X	271.53933	204.72808	79.32821	11.69075	0.0985921	0.19078475	2.9884107	21	3 8.5	20.7
538016 2016 AJ_{237}	16.1	X	222.83013	268.38468	59.04046	11.05681	0.0882196	0.19068447	2.9894583	21	3 10.3	20.8
538017 2016 AO_{237}	17.9	X	169.16614	263.91138	314.19994	5.85155	0.0836368	0.28935827	2.2638385	21	11 25.8	21.0
538018 2016 AF_{238}	16.3	X	331.74817	315.95806	288.10758	11.77867	0.1574278	0.21534062	2.7566740	21	3 9.9	19.9
538019 2016 AG_{238}	16.0	X	265.75520	212.77399	99.74828	9.00902	0.0429054	0.19550654	2.9400983	21	4 10.8	20.3
538020 2016 AR_{239}	17.8	X	172.41929	168.40855	311.03017	5.85624	0.0644477	0.26119586	2.4237725	21	7 19.1	21.1
538021 2016 AF_{240}	18.4	X	195.11753	171.12256	348.15315	6.41148	0.0284367	0.29809568	2.2193830	21	10 14.1	21.0
538022 2016 AH_{240}	17.0	X	13.70092	258.11016	317.89212	7.82076	0.1088156	0.23048663	2.6345446	21	4 17.6	20.0
538023 2016 AU_{240}	18.2	X	198.83524	69.76540	44.60445	6.16790	0.0981365	0.27715054	2.3298372	21	8 14.3	21.5
538024 2016 AZ_{240}	17.9	X	223.24650	90.21890	357.33303	6.97984	0.0671477	0.27865896	2.3214217	21	8 9.1	20.9
538025 2016 AC_{241}	17.9	X	127.95125	102.17713	97.59887	7.09764	0.0417834	0.28448289	2.2896299	21	9 16.9	20.9
538026 2016 AH_{243}	17.6	X	74.06377	313.35115	277.81874	3.58613	0.1373614	0.26567192	2.3964715	21	8 27.1	20.6
538027 2016 AR_{243}	18.8	X	208.64409	338.23056	118.07928	3.97555	0.1045272	0.27478151	2.3432091	21	7 28.5	22.0
538028 2016 AN_{244}	18.1	X	210.29510	16.46119	89.38282	6.00102	0.0840427	0.27889933	2.3200877	21	8 16.5	21.2
538029 2016 AA_{245}	17.0	X	278.98374	345.27813	317.59473	13.33615	0.1318171	0.22865950	2.6485604	21	3 19.1	21.0
538030 2016 AY_{246}	16.6	X	0.86348	188.80679	85.60129	16.12751	0.0743238	0.24198403	2.5504192	21	6 23.5	19.5
538031 2016 AR_{247}	18.3	X	334.49938	99.62066	245.70688	3.15669	0.0662217	0.28550182	2.2841790	21	8 24.8	20.5
538032 2016 AA_{250}	16.9	X	349.79024	336.25468	267.57523	9.56924	0.0651330	0.23285675	2.6166371	21	4 19.6	20.2
538033 2016 AD_{250}	17.9	X	149.46396	280.12141	259.00902	6.37133	0.0507852	0.28156575	2.3054170	21	9 8.1	21.1
538034 2016 AM_{250}	17.2	X	337.87727	335.34356	288.19552	10.94531	0.1641286	0.23269237	2.6178693	21	4 13.6	20.4
538035 2016 AQ_{250}	16.7	X	352.41481	323.12241	284.50994	10.52446	0.1573666	0.23045900	2.6347552	21	4 19.9	19.7
538036 2016 AS_{251}	18.2	X	132.54842	58.96588	132.39498	6.92174	0.0316942	0.28061291	2.3106329	21	9 7.9	21.1
538037 2016 AQ_{252}	16.8	X	246.37928	38.19086	313.70844	13.93583	0.1876730	0.22965138	2.6409287	21	4 8.9	21.3
538038 2016 AT_{252}	17.5	X	108.23755	182.07005	321.48033	13.99196	0.0461915	0.23344000	2.6122768	21	5 27.4	21.3
538039 2016 AA_{253}	16.6	X	318.21271	1.75730	298.48175	13.40005	0.1851868	0.23218180	2.6217057	21	4 29.3	20.0
538040 2016 AN_{253}	17.1	X	118.33238	177.81743	316.93932	11.91391	0.1058714	0.23697862	2.5862069	21	6 7.6	20.9
538041 2016 AW_{254}	18.3	X	261.45178	115.00759	312.54143	7.02670	0.0344881	0.28670870	2.2777644	21	9 3.3	20.9
538042 2016 AU_{258}	17.6	X	330.16471	199.87913	113.77552	11.07552	0.0744893	0.25878025	2.4388324	21	6 29.5	20.3
538043 2016 AY_{258}	17.5	X	318.43861	275.46758	20.50821	4.28379	0.1131668	0.23925326	2.5697890	21	5 9.4	20.5
538044 2016 AG_{259}	16.7	X	315.44333	198.01182	98.96383	14.31768	0.1419415	0.24241489	2.5473963	21	5 8.3	20.0
538045 2016 AV_{261}	17.9	X	176.54099	275.86373	222.54676	5.60731	0.1102911	0.26382920	2.4076174	21	8 15.5	21.5
538046 2016 AY_{261}	17.2	X	117.53448	205.99975	308.03351	11.17778	0.0753987	0.23899957	2.5716072	21	6 30.7	20.8
538047 2016 AK_{262}	17.7	X	279.38677	114.54125	318.10898	7.14721	0.0652327	0.28186383	2.3037914	21	9 30.9	20.5
538048 2016 AR_{262}	17.3	X	176.97124	127.79091	320.85338	11.40977	0.1482009	0.24057432	2.5603728	21	6 13.5	21.6
538049 2016 AJ_{263}	17.1	X	118.75389	174.33433	324.50143	12.88487	0.1108522	0.23054244	2.6341194	21	6 15.2	21.1
538050 2016 AL_{263}	17.2	X	64.00168	289.24098	286.28049	7.64380	0.1134306	0.23330743	2.6132663	21	7 17.3	20.3
538051 2016 AN_{263}	17.3	X	124.76599	205.98911	307.43948	8.06972	0.1047232	0.23842236	2.5757561	21	7 11.6	21.0
538052 2016 AU_{263}	16.9	X	266.29094	41.90018	341.92962	7.64561	0.0992058	0.24344816	2.5401832	21	6 30.4	20.4
538053 2016 AZ_{264}	17.6	X	200.62555	121.17942	331.07605	11.12718	0.0842931	0.26120683	2.4237046	21	7 16.8	21.1
538054 2016 AG_{265}	16.4	X	339.13713	261.24069	17.96417	13.30131	0.0984539	0.22642736	2.6659384	21	5 19.4	19.7
538055 2016 AL_{265}	17.9	X	263.73047	68.23084	45.92068	7.85597	0.0613705	0.29225234	2.2488684	21	11 11.9	20.5
538056 2016 AP_{265}	17.0	X	347.78341	225.66899	54.97359	14.73354	0.0700547	0.22989279	2.6390796	21	6 9.5	20.2
538057 2016 AY_{265}	16.2	X	280.56161	7.86167	255.47386	14.07460	0.1221319	0.18447690	3.0561504	21	2 7.9	21.0
538058 2016 AZ_{265}	15.7	X	207.73720	34.57711	274.54358	14.52992	0.0671331	0.17478690	3.1680848	21	1 26.0	20.6
538059 2016 AG_{266}	17.1	X	166.12051	144.17442	287.38850	10.42592	0.0583003	0.22137104	2.7063804	21	5 5.3	21.3
538060 2016 AP_{266}	16.0	X	288.56036	18.70575	245.12864	14.06887	0.1932316	0.18352140	3.0667490	21	2 8.7	20.9
538061 2016 AW_{266}	15.5	X	60.89340	201.57753	251.62826	15.38301	0.0356505	0.17698339	3.1418181	21	1 23.6	20.1
538062 2016 AX_{266}	15.8	X	296.13244	11.33684	277.36938	14.15747	0.1147049	0.20347766	2.8628036	21	3 25.7	20.2
538063 2016 AU_{268}	16.7	X	335.93884	351.94273	252.62407	10.65517	0.1299341	0.22636391	2.6664366	21	3 20.8	20.1
538064 2016 AE_{269}	17.4	X	242.24196	92.01743	258.10829	13.27920	0.1461518	0.23843185	2.5756877	21	4 7.7	21.6
538065 2016 AM_{269}	17.2	X	249.51697	182.69954	172.48757	15.08315	0.1187247	0.23529334	2.5985413	21	5 2.7	21.2
538066 2016 AU_{269}	17.0	X	350.92167	154.71132	120.20282	15.77941	0.0612608	0.22209776	2.7004736	21	6 11.6	20.5
538067 2016 AN_{270}	18.4	X	245.64833	23.49528	51.24865	7.93280	0.0705719	0.28078356	2.3096966	21	8 22.4	21.4
538068 2016 AU_{270}	18.2	X	144.64611	121.57842	70.23996	7.29797	0.0299356	0.28301134	2.2975598	21	9 27.3	21.2
538069 2016 AD_{271}	17.3	X	314.65498	195.86502	93.97698	13.05547	0.1708277	0.23364417	2.6107548	21	4 23.9	20.7
538070 2016 AJ_{271}	17.7	X	250.47677	338.58284	107.85700	6.99286	0.0845429	0.28041586	2.3117152	21	9 11.7	20.6
538071 2016 AA_{272}	17.6	X	275.29110	309.22994	57.74856	7.01744	0.1430080	0.26121657	2.4236444	21	6 10.3	20.7
538072 2016 AB_{272}	17.7	X	347.07611	232.39773	38.64849	7.67189	0.0485289	0.24005009	2.5640991	21	5 27.0	20.7
538073 2016 AU_{272}	17.8	X	51.23143	198.27757	44.24949	7.98831	0.0645541	0.26358495	2.4091045	21	8 2.3	20.8
538074 2016 AX_{272}	16.8	X	303.11810	320.77733	337.02176	13.18619	0.1634564	0.23815912	2.5776537	21	4 5.9	20.5
538075 2016 AY_{273}	17.6	X	244.59731	161.65867	180.15291	6.75327	0.0765814	0.22473321	2.6793197	21	4 12.6	21.5
538076 2016 AJ_{274}	17.1	X	235.15623	40.93763	297.25578	5.21769	0.0203884	0.21396125	2.7685092	21	3 29.8	21.0
538077 2016 AK_{274}	16.3	X	261.52377	316.61310	305.79128	8.68431	0.1519703	0.17928253	3.1148997	21	1 22.7	21.2
538078 2016 AQ_{274}	17.2	X	170.24234	241.18047	283.60674	5.51491	0.0673187	0.27385007	2.3485194	21	9 13.8	20.4
538079 2016 AX_{274}	17.5	X	353.87931	324.72876	318.25143	3.30527	0.1325634	0.24106560	2.5568930	21	6 22.6	20.1
538080 2016 AR_{276}	16.3	X	142.58659	194.08902	242.63504	20.99721	0.0465760	0.22498352	2.6773321	21	4 11.1	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538081 2016 AE_{277}	17.6	X	144.44017	198.78374	289.10157	8.06242	0.0207289	0.25174618	2.4840526	21	6 22.2	20.9
538082 2016 AE_{278}	18.1	X	154.94431	226.94724	308.30593	5.51037	0.1815695	0.27204081	2.3589207	21	9 11.9	22.0
538083 2016 AK_{278}	18.4	X	200.04829	175.74324	132.91216	22.54442	0.0774244	0.38950747	1.8569157	21	—	—
538084 2016 BK	17.6	X	285.81267	114.48540	85.63339	24.83683	0.0098591	0.36510697	1.9387537	21	—	—
538085 2016 BO_{1}	17.6	X	141.87989	206.82110	153.74253	62.62717	0.5645136	0.38447620	1.8730804	21	2 15.4	20.6
538086 2016 BW_{1}	17.0	X	225.37850	145.43622	315.87271	25.19740	0.2016421	0.28764661	2.2728104	21	8 12.7	20.5
538087 2016 BB_{2}	15.9	X	297.69179	7.74116	179.34843	9.38659	0.0346183	0.17644908	3.1481575	21	—	—
538088 2016 BM_{7}	16.8	X	328.93217	33.11486	245.17804	8.55779	0.1119748	0.22114221	2.7082471	21	5 2.9	20.1
538089 2016 BF_{8}	17.9	X	201.41797	225.50690	275.02457	5.04975	0.1564555	0.27799716	2.3251045	21	9 11.6	21.6
538090 2016 BJ_{11}	17.0	X	114.80695	179.47324	324.20237	11.05444	0.1304283	0.23298024	2.6157124	21	6 19.7	20.9
538091 2016 BL_{11}	17.2	X	165.85827	279.93856	166.61934	21.97761	0.0577931	0.23016896	2.6369681	21	5 30.9	21.5
538092 2016 BJ_{14}	17.9	X	87.60322	83.26926	290.39185	17.01348	0.0954693	0.35362913	1.9804811	21	—	—
538093 2016 BL_{16}	17.9	X	139.20836	48.75228	122.04377	3.41341	0.0853299	0.27391486	2.3481490	21	8 20.5	21.1
538094 2016 BU_{16}	17.7	X	84.57551	117.17699	115.06509	7.44028	0.0725003	0.27428608	2.3460299	21	9 7.1	20.7
538095 2016 BH_{17}	17.9	X	259.95995	299.59618	111.96834	2.96435	0.1796131	0.28469086	2.2885146	21	7 18.5	20.8
538096 2016 BW_{17}	17.9	X	269.95226	303.34451	122.81876	6.36353	0.1365668	0.29358545	2.2420555	21	9 1.6	20.4
538097 2016 BP_{22}	16.7	X	10.07586	258.56946	305.31474	7.88779	0.1381214	0.21660111	2.7459688	21	3 25.5	19.9
538098 2016 BT_{28}	18.2	X	288.15931	298.00035	84.40660	7.63447	0.1835652	0.28435299	2.2903271	21	7 15.7	20.6
538099 2016 BY_{31}	16.8	X	10.71323	160.55438	94.24577	15.62930	0.0751627	0.24522198	2.5279188	21	6 12.7	19.7
538100 2016 BC_{32}	17.8	X	180.14102	125.54496	28.96831	8.59280	0.1260343	0.28149800	2.3057869	21	9 16.4	21.2
538101 2016 BH_{35}	18.2	X	198.34664	73.79697	71.84299	4.85923	0.1053250	0.28636638	2.2795792	21	9 25.5	21.3
538102 2016 BK_{35}	18.6	X	39.47237	338.06777	125.70280	24.92581	0.0515050	0.36912809	1.9246480	21	—	—
538103 2016 BR_{35}	17.4	X	108.43366	107.49498	64.13799	5.07584	0.1167482	0.25025420	2.4939159	21	7 18.5	20.8
538104 2016 BL_{36}	18.2	X	241.56754	15.80460	55.33242	4.63743	0.2202135	0.28081572	2.3095203	21	7 20.2	21.6
538105 2016 BG_{38}	17.3	X	52.02835	225.17297	332.90670	14.58640	0.0472049	0.23785605	2.5798428	21	5 21.0	20.9
538106 2016 BL_{40}	18.7	X	270.83847	326.73428	59.39946	2.17336	0.1911319	0.27640116	2.3340463	21	6 24.4	21.9
538107 2016 BF_{44}	18.2	X	157.73643	70.22530	124.62726	3.04454	0.0959808	0.28678991	2.2773344	21	10 15.3	21.3
538108 2016 BR_{44}	17.9	X	220.19339	136.46712	311.86550	3.86726	0.1023053	0.27276615	2.3547369	21	7 31.1	21.1
538109 2016 BR_{45}	17.9	X	297.55928	219.66096	130.43270	6.56561	0.1000729	0.26287467	2.4134421	21	6 26.2	20.7
538110 2016 BG_{48}	18.5	X	207.35901	3.67537	115.28987	4.54846	0.1592503	0.27991517	2.3144711	21	8 24.0	21.8
538111 2016 BZ_{48}	17.7	X	139.38414	205.76307	307.79308	4.60407	0.0556751	0.26171479	2.4205675	21	7 24.7	21.0
538112 2016 BC_{51}	17.8	X	105.12965	291.53501	268.82415	3.09237	0.0508686	0.27159549	2.3614986	21	8 13.2	20.9
538113 2016 BS_{51}	17.0	X	161.61947	135.40789	296.47248	13.55022	0.0802908	0.23908123	2.5710216	21	4 28.4	21.0
538114 2016 BU_{51}	17.2	X	99.88773	253.53745	306.00229	5.59736	0.0775160	0.26149324	2.4219346	21	8 8.9	20.3
538115 2016 BH_{56}	18.2	X	24.17595	313.90337	109.89443	24.12280	0.1074225	0.36533038	1.9379632	21	—	—
538116 2016 BD_{59}	17.9	X	220.41662	141.23273	325.18675	3.49149	0.0646525	0.27840461	2.3228354	21	8 29.6	20.9
538117 2016 BV_{60}	17.4	X	149.49972	154.06084	323.56892	13.55845	0.0073817	0.24701482	2.5156722	21	6 13.3	21.0
538118 2016 BL_{61}	18.3	X	219.54491	291.48963	153.55102	1.79370	0.1546252	0.27168746	2.3609656	21	7 20.8	21.8
538119 2016 BR_{61}	17.1	X	45.97406	311.00207	301.71488	5.65053	0.1276605	0.26820043	2.3813857	21	8 15.1	19.6
538120 2016 BP_{62}	18.0	X	228.49274	195.05980	264.85484	3.80318	0.1098624	0.28725603	2.2748702	21	8 24.2	20.9
538121 2016 BJ_{66}	17.4	X	260.68091	143.83005	283.23176	6.65716	0.0669607	0.28177721	2.3042635	21	8 25.7	20.2
538122 2016 BQ_{73}	18.1	X	194.50660	126.31102	352.35494	6.28598	0.0477496	0.27157344	2.3616264	21	8 16.7	21.1
538123 2016 BB_{80}	18.5	X	255.25815	348.31491	93.50042	2.83301	0.1972922	0.29079649	2.2563680	21	8 23.5	21.4
538124 2016 BA_{82}	18.0	X	86.84475	253.60319	140.75456	25.10532	0.1450351	0.38067039	1.8855439	21	—	—
538125 2016 BL_{83}	17.9	X	355.18039	286.04007	187.02624	22.53013	0.0430361	0.34912406	1.9974819	21	—	—
538126 2016 BK_{85}	16.7	X	342.39573	171.61864	102.18471	10.96656	0.1835306	0.21236025	2.7824064	21	5 17.0	19.7
538127 2016 BU_{87}	16.0	X	298.49942	154.02659	111.02052	8.46156	0.0763116	0.19044840	2.9919282	21	3 17.7	20.2
538128 2016 BV_{87}	17.7	X	239.59112	242.22194	174.00424	7.23261	0.1199393	0.26628387	2.3927986	21	7 6.9	21.1
538129 2016 BW_{87}	18.1	X	151.04212	315.89419	187.29102	4.06253	0.0554912	0.25548715	2.4597446	21	7 23.6	21.6
538130 2016 BG_{88}	16.8	X	320.96662	219.44822	103.79591	4.75368	0.1178696	0.23641472	2.5903177	21	6 22.8	19.8
538131 2016 BJ_{88}	16.9	X	50.42787	344.56975	218.34689	12.09852	0.0911677	0.22087421	2.7104374	21	6 5.7	20.3
538132 2016 BL_{88}	16.9	X	288.65067	321.17100	29.00042	12.04810	0.0176036	0.23291403	2.6162081	21	6 26.5	20.5
538133 2016 BN_{88}	18.0	X	108.30002	339.67740	237.77318	1.91399	0.1225971	0.25995208	2.4314976	21	9 17.5	21.4
538134 2016 BX_{88}	17.5	X	191.40182	230.06563	279.63614	11.58591	0.1169777	0.27228753	2.3574956	21	9 11.5	21.3
538135 2016 BA_{89}	16.6	X	293.93167	181.77452	106.58541	7.02384	0.0355868	0.20069581	2.8891972	21	4 14.8	20.7
538136 2016 BB_{89}	18.1	X	325.02278	136.65322	305.34721	5.96186	0.0188876	0.30381566	2.1914385	21	—	—
538137 2016 BC_{89}	16.5	X	304.63731	170.81148	126.40884	5.35589	0.0426915	0.21244391	2.7816759	21	5 6.9	20.2
538138 2016 BE_{89}	18.1	X	156.33780	143.58857	50.63321	7.77150	0.0447985	0.28729805	2.2746483	21	10 14.6	21.0
538139 2016 BO_{89}	16.7	X	272.94199	39.04316	287.61384	5.29235	0.1447394	0.22500409	2.6771689	21	4 14.1	20.8
538140 2016 BT_{89}	17.1	X	170.71328	151.15626	292.24585	13.72921	0.0745500	0.23054295	2.6341155	21	5 28.5	21.1
538141 2016 BU_{89}	17.0	X	224.70503	66.50478	318.69166	5.37459	0.0512627	0.22162444	2.7043171	21	5 15.1	21.0
538142 2016 BJ_{90}	16.1	X	279.86917	206.77037	63.42423	11.01194	0.1556541	0.17759223	3.1346332	21	2 23.3	21.0
538143 2016 BK_{90}	16.9	X	22.13883	118.53608	107.10341	10.26230	0.1033824	0.21170727	2.7881248	21	5 25.5	20.3
538144 2016 BO_{90}	17.4	X	116.75880	46.12772	78.82458	3.84701	0.0266530	0.21522006	2.7577034	21	5 15.0	21.2
538145 2016 BP_{90}	17.0	X	103.38466	114.51556	24.07176	6.84438	0.0148549	0.21625507	2.7488973	21	5 11.7	20.7
538146 2016 BS_{90}	17.3	X	340.98032	99.27645	161.78438	3.46600	0.0397621	0.21536594	2.7564579	21	5 8.8	20.8
538147 2016 BT_{90}	15.8	X	277.51103	210.77921	60.41294	12.68287	0.2775177	0.18978418	2.9989050	21	2 7.6	20.9
538148 2016 BX_{90}	17.0	X	354.47461	357.14385	265.10654	6.19445	0.1297190	0.23662284	2.5887987	21	5 22.4	19.7
538149 2016 BZ_{90}	18.0	X	159.79868	48.08057	89.05055	5.12439	0.1091927	0.25228395	2.4805214	21	7 29.7	21.6
538150 2016 BT_{91}	17.5	X	104.09467	143.08142	73.66630	10.81164	0.1225403	0.26707058	2.3880973	21	9 19.8	21.1
538151 2016 BR_{92}	18.1	X	179.25206	254.16058	277.72111	8.45449	0.0508316	0.28883932	2.2665493	21	10 5.2	21.2
538152 2016 BT_{92}	16.7	X	221.79449	85.88761	263.86639	12.33733	0.1563745	0.22002424	2.7174133	21	3 18.6	21.3
538153 2016 BB_{93}	17.8	X	269.73663	59.24162	40.96278	4.31840	0.0712507	0.28619347	2.2804973	21	10 29.9	20.3
538154 2016 BF_{93}	17.3	X	8.07250	259.15148	38.07736	13.18299	0.0929854	0.24332783	2.5410206	21	8 17.7	20.4
538155 2016 BH_{93}	17.6	X	112.69162	83.17815	99.44296	2.11370	0.1252365	0.25766064	2.4458923	21	8 8.4	21.0
538156 2016 BQ_{93}	17.4	X	80.55749	359.22520	239.56864	4.46984	0.1330402	0.26685977	2.3893548	21	9 13.9	20.5
538157 2016 BR_{93}	17.5	X	104.10464	221.52625	39.23564	7.22355	0.0872841	0.27571901	2.3378945	21	11 7.8	20.7
538158 2016 BV_{93}	16.7	X	292.00136	231.50889	58.49067	7.03891	0.0244150	0.20283093	2.8688858	21	4 14.5	20.7
538159 2016 BZ_{93}	16.7	X	33.06689	102.67056	158.14503	14.99973	0.1317802	0.23565733	2.5958649	21	8 3.1	19.8
538160 2016 BA_{94}	17.6	X	275.27495	70.54306	354.70029	11.13456	0.0448833	0.27045975	2.3681050	21	9 19.2	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538161 2016 BB_{96}	17.4	X	127.75399	283.73002	277.75708	6.14226	0.0517010	0.26104639	2.4246976	21	9 10.2	20.8
538162 2016 BL_{97}	18.5	X	241.73858	248.39516	185.65814	6.75682	0.1151537	0.27547061	2.3392997	21	8 3.2	21.8
538163 2016 BG_{98}	17.6	X	349.45396	326.73690	321.15391	11.08742	0.0411996	0.24389835	2.5370565	21	6 26.8	20.8
538164 2016 BN_{98}	16.9	X	231.71318	272.17625	100.25896	7.36262	0.0478137	0.21712384	2.7415597	21	5 11.6	20.8
538165 2016 BT_{98}	16.9	X	161.77745	91.00601	15.72792	22.31793	0.0598462	0.23283818	2.6167763	21	6 15.1	21.1
538166 2016 BY_{98}	16.2	X	214.39541	245.09575	86.62240	11.39704	0.0661978	0.18254910	3.0776289	21	3 7.9	21.0
538167 2016 BZ_{98}	17.3	X	97.69930	130.41321	58.27491	12.34945	0.1202768	0.23619543	2.5919208	21	7 31.3	21.1
538168 2016 BF_{99}	16.1	X	170.76420	294.03458	73.69502	10.38354	0.0806845	0.17800414	3.1297957	21	3 6.4	21.0
538169 2016 BY_{99}	16.4	X	282.44224	195.43265	108.81350	15.77539	0.0439805	0.21701312	2.7424921	21	4 22.0	20.5
538170 2016 BM_{100}	17.0	X	170.51461	151.33081	273.10880	16.01687	0.1698019	0.22960652	2.6412726	21	5 5.7	21.6
538171 2016 BN_{100}	17.1	X	34.13592	8.91684	243.21908	12.11996	0.1524280	0.23639037	2.5904957	21	7 23.3	20.2
538172 2016 BT_{100}	16.8	X	351.04908	59.10255	239.32850	12.56652	0.1074983	0.23766517	2.5812240	21	7 8.8	19.8
538173 2016 BY_{100}	16.1	X	181.98648	66.05624	279.27100	12.88011	0.1222414	0.18251496	3.0780127	21	2 10.9	21.2
538174 2016 BP_{101}	18.0	X	153.00542	89.16616	86.62962	3.81239	0.1126500	0.26075270	2.4265179	21	9 13.3	21.6
538175 2016 BA_{102}	17.5	X	193.34474	85.11215	3.54432	9.71404	0.0634543	0.24179789	2.5517280	21	7 2.9	21.3
538176 2016 BD_{102}	18.2	X	172.68975	88.02563	66.57005	1.85436	0.0712148	0.26214724	2.4179047	21	9 6.0	21.5
538177 2016 BV_{102}	17.2	X	305.18842	276.00683	26.16667	14.91974	0.0938280	0.24055700	2.5604957	21	4 29.5	20.4
538178 2016 BZ_{102}	17.5	X	84.16947	144.28120	62.86248	7.39254	0.0847336	0.25917529	2.4363536	21	8 2.4	20.7
538179 2016 BD_{103}	16.7	X	296.16761	315.11126	329.88871	12.98400	0.1632259	0.22145400	2.7057045	21	3 15.4	20.7
538180 2016 CR_{9}	18.2	X	167.66085	237.57233	275.11012	2.69047	0.1487888	0.27259721	2.3557097	21	8 26.6	21.8
538181 2016 CS_{9}	18.0	X	181.46642	211.65168	298.04671	4.50211	0.1626525	0.27838834	2.3229259	21	9 4.5	21.5
538182 2016 CY_{9}	18.4	X	177.89487	221.03610	289.24999	3.93131	0.1672637	0.27646220	2.3337028	21	9 1.8	22.2
538183 2016 CK_{12}	18.5	X	254.08733	162.63106	304.29060	1.33224	0.0860867	0.29701666	2.2247549	21	10 14.2	20.8
538184 2016 CN_{12}	16.5	X	97.38543	197.00662	313.02245	17.02317	0.0970421	0.23539218	2.5978139	21	5 30.1	20.3
538185 2016 CV_{13}	17.8	X	126.57454	337.94398	202.39121	2.23520	0.1213137	0.26191563	2.4193300	21	8 19.5	21.3
538186 2016 CD_{14}	17.8	X	153.51759	207.44632	304.66911	3.92342	0.0307926	0.26493735	2.4008992	21	8 8.0	20.8
538187 2016 CE_{14}	17.9	X	129.49775	302.48092	239.23490	1.68530	0.1238681	0.26368564	2.4084912	21	8 24.8	21.3
538188 2016 CQ_{16}	17.6	X	29.94224	58.01557	182.31365	2.68599	0.0927247	0.24438182	2.5337093	21	6 24.8	20.5
538189 2016 CW_{18}	16.2	X	247.23586	29.84635	282.17743	8.12856	0.0862432	0.21803401	2.7339247	21	3 3.9	20.4
538190 2016 CD_{22}	17.9	X	191.78619	352.23664	161.59876	4.03028	0.0968951	0.28720421	2.2751438	21	9 27.9	20.9
538191 2016 CY_{23}	16.5	X	199.09977	337.87774	84.12721	14.80276	0.0731594	0.24392379	2.5368801	21	6 3.3	20.2
538192 2016 CU_{24}	16.1	X	117.54404	348.66401	8.30966	11.71253	0.1302392	0.18470741	3.0536072	21	—	—
538193 2016 CC_{26}	17.0	X	4.59827	285.41056	356.91965	14.25896	0.1491951	0.25888378	2.4381822	21	7 19.9	19.5
538194 2016 CA_{33}	17.9	X	1.33050	81.38846	72.36041	23.11649	0.0757718	0.36567216	1.9367554	21	—	—
538195 2016 CO_{35}	18.7	X	261.70474	242.03691	326.66400	15.51216	0.0934875	0.34810284	2.0013867	21	—	—
538196 2016 CU_{39}	18.5	X	229.20748	356.66714	102.55159	1.22650	0.0584963	0.28128817	2.3069335	21	9 2.1	21.5
538197 2016 CM_{42}	17.0	X	253.33775	294.09186	16.75862	7.84028	0.1979910	0.21480005	2.7612971	21	3 6.9	21.6
538198 2016 CT_{45}	17.9	X	114.82471	300.17071	348.62780	6.33926	0.1335357	0.31062732	2.1592833	21	—	—
538199 2016 CK_{46}	18.6	X	296.77827	288.87589	97.49731	4.27365	0.1725485	0.28813734	2.2702291	21	8 8.6	20.7
538200 2016 CP_{48}	18.4	X	202.27552	42.27938	83.65577	7.30948	0.0517319	0.27843310	2.3226769	21	9 8.4	21.5
538201 2016 CC_{52}	18.2	X	236.83737	345.24134	102.30735	7.20549	0.1117735	0.27948018	2.3168720	21	8 20.8	21.3
538202 2016 CO_{58}	17.7	X	117.80683	185.24746	48.28934	5.83403	0.1249286	0.28081265	2.3095371	21	10 23.1	20.9
538203 2016 CH_{70}	18.1	X	203.94527	134.41087	359.96596	7.06539	0.1571583	0.28252730	2.3001833	21	9 10.2	21.5
538204 2016 CG_{72}	16.4	X	86.16079	174.71125	354.12116	8.66526	0.1666668	0.23271355	2.6177104	21	6 22.9	20.1
538205 2016 CC_{73}	18.7	X	218.87257	10.96101	119.03311	2.66961	0.1438670	0.28416235	2.2913514	21	9 22.2	21.9
538206 2016 CB_{78}	17.1	X	243.16008	283.05318	122.94848	6.89658	0.0726374	0.26034698	2.4290382	21	7 3.7	20.4
538207 2016 CX_{92}	18.1	X	345.20053	145.14818	339.39714	19.02749	0.1081165	0.34901043	1.9979155	21	—	—
538208 2016 CW_{97}	17.3	X	355.39001	351.75337	275.19244	8.50834	0.0976207	0.24098017	2.5574973	21	6 1.9	20.1
538209 2016 CC_{106}	17.7	X	117.54866	23.40986	201.55971	5.16611	0.1102648	0.27903810	2.3193184	21	10 9.1	21.0
538210 2016 CB_{122}	18.3	X	234.71931	192.32635	259.38785	3.79804	0.1197184	0.27930229	2.3178556	21	8 18.8	21.4
538211 2016 CV_{124}	16.8	X	307.46856	358.95198	299.70430	12.36530	0.1160724	0.23178253	2.6247156	21	4 21.5	20.5
538212 2016 CA_{136}	19.3	X	330.37713	124.86901	239.86145	1.25568	0.7813420	0.34043973	2.0313085	21	4 29.6	21.8
538213 2016 CN_{138}	16.6	X	317.24250	29.30656	241.46672	9.20053	0.0780478	0.19896945	2.9058852	21	4 11.0	20.6
538214 2016 CA_{140}	18.4	X	302.37856	155.85507	231.52396	6.17654	0.1561385	0.28873532	2.2670936	21	8 19.3	20.7
538215 2016 CW_{140}	17.9	X	90.49382	244.86663	147.48110	24.17496	0.0875236	0.36003546	1.9569176	21	—	—
538216 2016 CW_{141}	17.7	X	135.62916	0.24743	194.57673	2.02432	0.1829977	0.26622445	2.3931546	21	9 20.9	21.6
538217 2016 CW_{142}	17.8	X	289.10939	294.63774	103.79155	2.92317	0.0830009	0.26760844	2.3848964	21	8 27.7	20.4
538218 2016 CJ_{143}	17.3	X	220.65582	306.59129	143.89172	6.12049	0.2176148	0.26918221	2.3755918	21	7 23.9	21.2
538219 2016 CO_{143}	17.3	X	53.10921	214.18637	354.60653	9.67319	0.0569762	0.22817984	2.6522708	21	6 12.1	20.8
538220 2016 CS_{145}	18.3	X	174.11785	286.43214	240.44840	1.94222	0.1592453	0.27983861	2.3148932	21	9 20.9	21.9
538221 2016 CL_{146}	17.6	X	211.53072	124.70097	265.32960	3.04710	0.0587108	0.23629622	2.5911837	21	5 5.4	21.4
538222 2016 CX_{149}	17.4	X	199.68528	176.23489	332.30822	4.05060	0.1053946	0.27762600	2.3271763	21	9 26.0	20.6
538223 2016 CX_{157}	17.3	X	198.70197	152.50783	308.25642	5.75060	0.0766873	0.26658808	2.3909779	21	7 24.6	20.7
538224 2016 CR_{159}	17.5	X	256.95184	248.84688	130.77179	8.05158	0.2219496	0.26713963	2.3876858	21	5 28.8	21.2
538225 2016 CJ_{178}	16.8	X	14.40463	303.22167	261.16762	11.14432	0.1047695	0.22022705	2.7157447	21	4 2.7	20.2
538226 2016 CT_{188}	16.6	X	206.33037	226.89226	167.09232	31.87721	0.2055723	0.22971914	2.6404093	21	5 7.1	21.6
538227 2016 CT_{195}	18.2	X	228.21502	103.13058	215.99526	17.89574	0.1119667	0.38635579	1.8670005	21	1 23.0	21.0
538228 2016 CD_{196}	17.3	X	55.79584	117.62801	109.40584	5.94736	0.0727261	0.25190506	2.4830080	21	7 15.5	20.0
538229 2016 CS_{197}	18.0	X	212.04817	74.97822	39.12642	7.03626	0.1205703	0.26947682	2.3738600	21	8 27.6	21.4
538230 2016 CH_{199}	18.3	X	261.89864	231.94149	155.69154	4.91887	0.1948359	0.26642601	2.3919474	21	6 15.7	21.6
538231 2016 CU_{201}	17.7	X	163.19578	68.02344	99.39661	2.74891	0.0293428	0.27559732	2.3385826	21	9 14.0	20.6
538232 2016 CM_{202}	18.7	X	231.31962	61.33830	22.16482	2.69173	0.1914667	0.27723980	2.3293370	21	7 29.1	22.1
538233 2016 CT_{204}	17.8	X	48.70461	288.64545	338.19541	4.83167	0.0910633	0.26245275	2.4160280	21	9 3.9	20.4
538234 2016 CD_{205}	18.4	X	218.61668	250.72932	239.68676	0.64491	0.1554521	0.28789386	2.2715089	21	9 19.9	21.6
538235 2016 CW_{205}	18.3	X	348.75114	58.61570	326.51172	6.02008	0.1753884	0.30737100	2.1745069	21	12 7.8	20.0
538236 2016 CW_{207}	17.6	X	234.44012	35.22648	358.27567	4.58479	0.2001388	0.25425110	2.4677102	21	5 24.4	21.7
538237 2016 CC_{213}	18.1	X	272.51680	290.23221	130.87023	6.67773	0.0961899	0.28073592	2.3099579	21	9 3.6	20.6
538238 2016 CQ_{214}	17.1	X	134.57983	82.19864	10.79034	1.95324	0.0401092	0.22180761	2.7028280	21	4 25.9	20.9
538239 2016 CR_{215}	18.0	X	165.01064	49.82367	106.97647	3.20548	0.1228893	0.26800843	2.3825228	21	8 31.6	21.6
538240 2016 CL_{218}	17.1	X	307.35098	268.26513	1.40256	3.66258	0.0536936	0.21543729	2.7558493	21	3 30.8	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538241 2016 CA_{219}	17.1	X	315.68866	326.79688	340.56717	6.49978	0.1038949	0.23856864	2.5747030	21	5 21.7	20.3
538242 2016 CQ_{232}	17.0	X	28.19888	197.44096	21.71666	14.13806	0.1427807	0.22563625	2.6721662	21	5 21.8	20.0
538243 2016 CM_{243}	17.4	X	112.04380	79.85104	76.43584	15.00402	0.0121971	0.23955869	2.5676043	21	6 15.9	20.6
538244 2016 CF_{246}	17.9	X	124.80709	188.54491	155.97349	24.49695	0.0374367	0.34865989	1.9992544	21	—	—
538245 2016 CR_{250}	17.1	X	345.07783	158.90571	126.90681	6.84937	0.1187278	0.24559122	2.5253844	21	6 10.9	19.8
538246 2016 CG_{255}	15.5	X	229.77292	176.85049	133.18093	10.56405	0.0761264	0.19202976	2.9754799	21	2 20.3	20.0
538247 2016 CC_{258}	17.1	X	36.49113	157.28041	57.66063	8.41826	0.1679596	0.22916751	2.6446448	21	6 7.0	19.7
538248 2016 CD_{258}	17.2	X	0.97359	242.26746	22.02694	9.67743	0.0961512	0.24009701	2.5637650	21	6 6.8	20.1
538249 2016 CL_{259}	16.4	X	152.56616	215.25280	219.88850	14.54508	0.1242858	0.20464554	2.8519015	21	5 3.8	20.8
538250 2016 CR_{259}	16.8	X	93.89515	327.60701	240.47589	6.70347	0.1452060	0.23637901	2.5905786	21	8 18.3	20.6
538251 2016 CF_{260}	18.1	X	224.84015	200.95505	345.58655	5.44609	0.1549908	0.29692972	2.2251892	21	12 13.5	20.8
538252 2016 CY_{262}	16.8	X	71.29953	317.89966	240.25196	12.60741	0.1941598	0.23242396	2.6198843	21	7 14.1	20.4
538253 2016 CV_{265}	18.7	X	212.68591	280.29687	6.12848	19.83016	0.0697489	0.35736980	1.9666367	21	—	—
538254 2016 CP_{266}	18.6	X	80.80824	231.85595	192.27823	22.46462	0.0911838	0.36922234	1.9243205	21	—	—
538255 2016 CJ_{269}	17.1	X	110.45723	108.12909	86.12974	10.64331	0.1340406	0.25336813	2.4734400	21	8 26.2	20.8
538256 2016 CO_{269}	16.2	X	258.83536	272.14540	3.23143	25.71932	0.1939787	0.17678340	3.1441872	21	2 12.3	21.6
538257 2016 CL_{275}	16.5	X	194.96039	300.25941	144.17261	22.29640	0.0390877	0.22437106	2.6822020	21	6 30.4	20.7
538258 2016 CY_{277}	16.1	X	283.90397	142.04623	125.11498	11.78530	0.0602836	0.18675961	3.0311964	21	3 4.4	20.5
538259 2016 CA_{278}	16.7	X	323.63041	195.29589	94.37138	13.26379	0.1685021	0.22268056	2.6957597	21	5 8.2	20.0
538260 2016 CB_{278}	17.8	X	125.29134	135.09834	105.47906	7.34675	0.0747624	0.28020268	2.3128876	21	11 8.6	21.1
538261 2016 CD_{278}	17.7	X	123.62671	170.92024	16.27401	4.89392	0.0152550	0.26092242	2.4254656	21	8 18.0	20.7
538262 2016 CG_{278}	17.8	X	141.99614	74.95331	107.73515	4.19988	0.1314940	0.26497312	2.4006831	21	9 11.6	21.5
538263 2016 CW_{278}	18.1	X	121.10643	263.27924	339.28947	5.87490	0.1244454	0.26993326	2.3711832	21	11 2.4	21.6
538264 2016 CA_{279}	16.1	X	259.86357	284.07897	16.42608	9.20043	0.0466067	0.18140212	3.0905882	21	3 18.5	20.5
538265 2016 CB_{279}	16.6	X	270.09057	99.34886	210.25641	8.81466	0.0308512	0.19217604	2.9739698	21	4 9.0	20.7
538266 2016 CC_{279}	16.4	X	284.22973	205.57037	104.08497	6.81700	0.0455124	0.19506996	2.9444835	21	4 28.1	20.5
538267 2016 CH_{279}	16.5	X	259.48240	188.22764	136.73461	14.37968	0.1749689	0.21120992	2.7925000	21	4 3.2	21.0
538268 2016 CL_{279}	16.6	X	254.77211	19.70437	348.04579	12.83729	0.1599953	0.23964972	2.5669541	21	5 11.9	20.7
538269 2016 CS_{279}	17.5	X	330.88447	217.68080	78.44183	5.36683	0.1044276	0.22607515	2.6687066	21	6 2.5	20.6
538270 2016 CU_{279}	18.0	X	192.61597	195.58688	318.19401	2.81435	0.0825153	0.27758276	2.3274180	21	9 26.8	21.1
538271 2016 CV_{279}	17.3	X	177.94157	297.26896	163.67870	3.69688	0.0374965	0.22744461	2.6579835	21	6 29.6	21.0
538272 2016 CW_{279}	17.1	X	139.56034	116.63400	35.02332	7.57712	0.1578119	0.23522215	2.5990656	21	7 31.5	21.3
538273 2016 CA_{280}	17.8	X	273.36145	223.76939	130.12478	6.54836	0.0560480	0.24151771	2.5537011	21	6 5.2	21.2
538274 2016 CB_{280}	16.9	X	304.66488	218.04550	93.54818	6.84606	0.1165634	0.22419120	2.6836364	21	5 13.9	20.4
538275 2016 CC_{280}	17.1	X	85.49957	119.44641	38.94672	8.92108	0.0462442	0.22201078	2.7011788	21	5 18.7	20.6
538276 2016 CD_{280}	16.9	X	209.70874	322.29457	100.02569	8.59358	0.0940104	0.22788239	2.6545783	21	6 14.7	21.0
538277 2016 CH_{280}	18.5	X	198.47762	262.13686	258.90893	2.25629	0.0615149	0.29314095	2.2443214	21	10 17.9	21.3
538278 2016 CN_{280}	16.3	X	307.80507	163.96481	137.82618	15.07045	0.1141053	0.21295536	2.7772203	21	5 10.3	20.2
538279 2016 CO_{280}	16.3	X	260.97586	168.39029	119.63590	11.61864	0.1068929	0.17753787	3.1352731	21	2 27.6	21.1
538280 2016 CP_{280}	16.8	X	275.03366	7.61356	332.43416	8.92552	0.0869128	0.21360118	2.7716195	21	5 12.1	20.9
538281 2016 CR_{280}	16.4	X	309.86932	79.98582	175.70405	13.99675	0.2241281	0.17653163	3.1471760	21	2 24.0	20.9
538282 2016 CS_{280}	15.8	X	221.60144	291.49782	59.78217	10.90536	0.1166265	0.18793617	3.0185321	21	4 4.7	20.7
538283 2016 CC_{281}	17.2	X	221.00507	37.91556	333.38619	5.41733	0.0432500	0.22287245	2.6942122	21	4 22.3	21.1
538284 2016 CF_{281}	17.5	X	253.80233	359.12757	354.32285	6.04299	0.0456507	0.22420086	2.6835593	21	5 9.2	21.3
538285 2016 CM_{281}	16.5	X	8.05417	79.88032	134.29339	4.67367	0.0359526	0.20977461	2.8052233	21	4 16.7	20.1
538286 2016 CU_{281}	17.1	X	330.78512	356.21795	297.26945	4.44670	0.1346364	0.22562348	2.6722670	21	5 24.6	20.2
538287 2016 CC_{282}	17.4	X	177.26184	239.74933	229.37065	12.67035	0.1403072	0.23574780	2.5952007	21	7 7.9	21.7
538288 2016 CG_{282}	16.7	X	79.06848	336.82478	269.09567	11.37468	0.1093693	0.24266233	2.5456643	21	9 11.7	20.5
538289 2016 CL_{282}	17.6	X	186.93065	35.79395	67.50371	6.77287	0.1026071	0.25969372	2.4331101	21	7 13.9	21.3
538290 2016 CN_{282}	18.2	X	240.15833	81.48662	7.30428	6.73139	0.0829480	0.27495309	2.3422341	21	8 30.6	21.2
538291 2016 CQ_{282}	17.4	X	325.02702	272.83455	4.90835	3.06715	0.1629228	0.21679146	2.7443612	21	4 19.2	20.6
538292 2016 CY_{282}	15.6	X	253.30523	208.45669	96.73943	15.63436	0.1581541	0.17611115	3.1521835	21	3 11.7	20.8
538293 2016 CB_{283}	16.8	X	299.49126	272.47570	34.14444	8.07761	0.2191209	0.21183933	2.7869658	21	4 14.3	20.7
538294 2016 CO_{283}	17.8	X	256.68232	238.01290	210.45100	5.53031	0.0782799	0.28242148	2.3007578	21	9 19.7	20.6
538295 2016 CP_{283}	16.9	X	16.30986	13.47237	192.51568	9.83138	0.0558623	0.20997157	2.8034687	21	4 16.2	20.3
538296 2016 CZ_{283}	16.2	X	268.38755	227.66485	78.91610	23.34833	0.1073029	0.18188923	3.0850679	21	4 8.9	21.2
538297 2016 CE_{284}	16.0	X	185.37902	284.27943	80.87162	11.40989	0.0948980	0.17506907	3.1646798	21	3 19.8	21.1
538298 2016 CH_{284}	16.5	X	314.84972	25.43935	209.18573	11.37649	0.0797149	0.17599955	3.1535158	21	2 23.2	21.1
538299 2016 CK_{284}	16.3	X	213.44560	58.27380	253.34529	15.22083	0.0805650	0.17972714	3.1097605	21	1 31.6	21.3
538300 2016 CM_{284}	15.6	X	287.38275	2.50768	256.10009	16.45531	0.1655726	0.17509137	3.1644110	21	2 5.0	20.6
538301 2016 CT_{284}	17.2	X	75.92801	96.07480	129.06255	8.48292	0.0838307	0.25197434	2.4825529	21	8 14.1	20.2
538302 2016 CB_{285}	17.1	X	249.10094	5.51216	4.70049	6.28547	0.1508342	0.23664801	2.5886151	21	5 13.3	21.1
538303 2016 CD_{285}	17.3	X	290.57780	179.38935	158.58703	8.81680	0.1020633	0.23375764	2.6099099	21	5 31.7	20.8
538304 2016 CF_{285}	17.5	X	19.21779	152.04194	114.79193	11.44855	0.0257948	0.23613518	2.5923617	21	7 10.8	20.7
538305 2016 CR_{285}	17.1	X	160.99017	72.81276	16.73918	22.34029	0.0369025	0.23283278	2.6168167	21	5 15.6	21.2
538306 2016 CD_{286}	17.2	X	186.33320	309.67205	156.89304	13.04792	0.1331798	0.24161795	2.5529947	21	7 15.1	21.3
538307 2016 CX_{286}	16.0	X	299.34543	201.69350	81.24824	15.35083	0.1985939	0.19994247	2.8964499	21	3 27.3	20.4
538308 2016 CW_{288}	16.7	X	216.31774	6.21916	331.47045	11.40435	0.1121293	0.20118975	2.8844664	21	3 6.4	21.4
538309 2016 CZ_{288}	15.9	X	118.21132	143.79430	266.15306	12.83707	0.0383277	0.18447341	3.0561890	21	2 10.2	20.4
538310 2016 CY_{289}	17.3	X	353.03663	167.01682	119.50608	5.81294	0.0401038	0.23665907	2.5885344	21	6 29.3	20.4
538311 2016 CK_{290}	17.2	X	120.50370	129.71053	44.17881	9.03460	0.1156689	0.23530697	2.5984410	21	8 6.9	21.1
538312 2016 CL_{290}	17.5	X	117.41187	3.95575	187.17426	2.31462	0.1462881	0.23906407	2.5711447	21	8 25.0	21.2
538313 2016 CV_{290}	16.4	X	248.80403	146.35381	146.88837	9.46527	0.0906484	0.16992706	3.2282044	21	2 21.4	21.3
538314 2016 CO_{291}	16.2	X	251.42687	237.15707	117.30600	16.08201	0.1647156	0.20263596	2.8707257	21	5 5.1	21.0
538315 2016 CT_{291}	17.1	X	290.21810	213.46470	85.66531	5.61686	0.0411666	0.21311765	2.7758102	21	4 20.6	20.9
538316 2016 CW_{291}	17.9	X	30.89111	241.25662	5.85123	7.24492	0.0276597	0.23784552	2.5799189	21	7 1.1	21.3
538317 2016 CC_{292}	17.1	X	179.97914	207.94679	207.45391	5.97914	0.0104334	0.21504682	2.7591842	21	5 3.0	20.9
538318 2016 CD_{292}	17.8	X	130.51812	174.24335	53.51668	0.80843	0.0982371	0.26504015	2.4002783	21	10 24.9	21.1
538319 2016 CK_{292}	16.6	X	25.84926	133.57496	85.37292	6.72765	0.0600954	0.20835758	2.8179277	21	5 18.9	20.1
538320 2016 CM_{292}	16.5	X	173.82168	230.68549	222.64430	13.19084	0.0825072	0.22088551	2.7103449	21	6 15.1	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538321 2016 CU_{292}	16.9	X	2.52748	237.21227	19.00664	11.71008	0.1058908	0.22536398	2.6743180	21	5 27.9	20.0
538322 2016 CV_{292}	17.0	X	102.85025	229.56873	318.37920	13.42911	0.1002521	0.23634329	2.5908396	21	7 31.8	20.6
538323 2016 CX_{292}	17.3	X	70.08177	137.55153	76.56689	14.39926	0.1345547	0.23955692	2.5676170	21	7 31.2	20.8
538324 2016 CD_{293}	17.7	X	220.20029	129.30023	334.62488	12.52211	0.1157103	0.27171541	2.3608037	21	8 21.1	21.0
538325 2016 CF_{293}	17.1	X	1.09616	254.17811	333.43116	4.27380	0.0989601	0.21133201	2.7914243	21	4 17.3	20.3
538326 2016 CK_{293}	17.2	X	61.06901	189.39406	110.49325	8.14739	0.1141111	0.27129751	2.3632274	21	11 14.1	20.3
538327 2016 CL_{293}	16.3	X	295.41384	176.83196	142.39519	10.54388	0.1771267	0.21152518	2.7897246	21	5 4.9	20.3
538328 2016 CX_{293}	18.1	X	273.52183	277.59204	128.57468	3.91599	0.1237687	0.26662286	2.3907700	21	8 6.9	20.8
538329 2016 CZ_{293}	17.5	X	210.58624	141.53248	10.34178	7.72633	0.0439626	0.28309645	2.2970993	21	10 21.2	20.5
538330 2016 CA_{294}	16.8	X	236.68675	271.41869	102.31970	7.46633	0.0807725	0.22204393	2.7009100	21	5 15.7	20.8
538331 2016 CD_{294}	17.0	X	27.90352	226.82833	359.37554	8.79097	0.0816204	0.21469533	2.7621949	21	5 29.8	20.5
538332 2016 CE_{294}	16.4	X	344.79697	258.51519	1.97952	12.97084	0.1081482	0.20636749	2.8360150	21	5 2.3	20.0
538333 2016 CO_{294}	16.7	X	300.70410	232.95934	35.04771	17.81384	0.0963452	0.19579073	2.9372526	21	3 24.4	20.9
538334 2016 CP_{294}	17.2	X	144.21798	62.49933	74.95232	8.22107	0.0803644	0.23014844	2.6371249	21	7 10.4	21.0
538335 2016 CR_{294}	17.9	X	160.32295	274.08058	291.00825	5.18921	0.1063966	0.27031629	2.3689428	21	10 25.5	21.4
538336 2016 CS_{294}	16.9	X	117.65473	311.98480	209.16267	28.45170	0.1350891	0.22767343	2.6562023	21	7 9.7	21.5
538337 2016 CY_{294}	17.6	X	285.36903	139.69399	302.45800	6.93782	0.0766959	0.28678719	2.2773488	21	10 23.8	20.1
538338 2016 CQ_{295}	17.8	X	89.29163	318.37424	286.35125	4.04239	0.0705451	0.27691557	2.3311549	21	9 25.5	20.8
538339 2016 CC_{296}	18.0	X	132.74532	209.70324	346.33579	0.98038	0.1204042	0.27324984	2.3519573	21	9 17.6	21.4
538340 2016 CZ_{296}	16.7	X	297.66412	296.54139	41.44686	15.28372	0.1442620	0.24208693	2.5496965	21	5 29.9	20.0
538341 2016 CK_{297}	16.4	X	272.39619	146.21173	136.52016	14.39561	0.2364097	0.18259371	3.0771277	21	2 17.6	21.3
538342 2016 CD_{299}	16.9	X	330.93374	319.98275	354.18700	15.02374	0.1363698	0.24236871	2.5477199	21	6 25.9	20.0
538343 2016 CF_{299}	17.0	X	4.04978	219.94929	69.05131	5.25934	0.1343282	0.24435362	2.5339042	21	7 24.4	19.5
538344 2016 CT_{299}	16.6	X	283.19846	292.77581	3.86385	9.88185	0.0987777	0.20909840	2.8112680	21	3 28.7	20.4
538345 2016 CA_{302}	18.2	X	195.48840	184.86629	316.70968	4.87971	0.0997697	0.27513134	2.3412224	21	9 11.7	21.6
538346 2016 CP_{302}	17.3	X	297.96896	191.06654	152.05225	16.07747	0.1570083	0.24316618	2.5421466	21	6 10.2	20.8
538347 2016 CH_{303}	17.4	X	5.55928	205.42936	83.86716	3.35622	0.0998175	0.24513559	2.5285127	21	7 25.9	19.9
538348 2016 CT_{303}	18.4	X	200.70046	294.41507	181.79324	3.04195	0.0808552	0.26623795	2.3930737	21	8 15.9	21.6
538349 2016 CV_{303}	18.0	X	210.18287	307.89266	157.71707	7.03133	0.1316953	0.26704886	2.3882268	21	8 8.5	21.5
538350 2016 CK_{304}	16.3	X	206.90298	335.82484	68.56752	12.25986	0.0531632	0.22051824	2.7133535	21	5 21.5	20.2
538351 2016 CO_{304}	16.4	X	188.27214	302.04610	112.63016	12.69023	0.1516316	0.21806400	2.7336740	21	5 17.2	21.0
538352 2016 CV_{304}	17.0	X	248.40873	332.56787	60.29571	14.17176	0.1920408	0.23962789	2.5671100	21	6 7.4	20.9
538353 2016 CE_{305}	17.4	X	92.08406	77.02316	119.48969	12.91204	0.1099660	0.23193249	2.6235841	21	7 30.0	20.9
538354 2016 CH_{306}	17.5	X	324.66814	95.52289	204.33121	4.25790	0.1316830	0.23371645	2.6102165	21	5 24.5	20.5
538355 2016 CU_{307}	16.0	X	280.15577	272.91867	355.86612	25.89321	0.1854425	0.18317121	3.0706565	21	2 21.7	20.9
538356 2016 CC_{308}	17.3	X	26.46551	28.11747	214.54243	14.01864	0.0580512	0.24072067	2.5593349	21	6 18.6	20.6
538357 2016 CN_{308}	17.2	X	303.90727	325.17758	0.66768	12.44628	0.1068872	0.23228172	2.6209538	21	5 28.2	20.7
538358 2016 CZ_{308}	17.5	X	286.04414	273.43424	45.68203	5.76938	0.0605031	0.21861930	2.7290431	21	5 5.6	21.3
538359 2016 CH_{309}	16.6	X	220.64523	217.34499	137.54012	12.41431	0.1258503	0.20500392	2.8485768	21	4 5.8	21.3
538360 2016 CK_{309}	17.3	X	167.82776	0.79460	86.64898	6.49880	0.0522500	0.22870280	2.6482261	21	5 31.2	21.0
538361 2016 CV_{309}	16.8	X	282.41559	241.71955	15.60998	4.96002	0.0884176	0.18278732	3.0749543	21	2 14.8	21.3
538362 2016 CO_{311}	17.8	X	124.59277	186.67112	348.83580	4.72401	0.1181417	0.24246493	2.5470458	21	8 11.7	21.6
538363 2016 CK_{312}	17.7	X	200.88486	161.72055	258.02293	3.10639	0.0488426	0.23437950	2.6052914	21	6 2.3	21.4
538364 2016 CM_{312}	17.6	X	49.78091	321.16482	266.32678	3.17286	0.0696278	0.23602210	2.5931896	21	7 5.9	20.5
538365 2016 CR_{312}	16.1	X	228.39829	333.62685	338.93586	17.28762	0.2274694	0.18019768	3.1043445	21	2 18.5	21.4
538366 2016 CJ_{313}	17.3	X	198.88734	182.48625	218.12817	4.96270	0.0460458	0.21901453	2.7257589	21	5 6.8	21.0
538367 2016 CS_{313}	16.3	X	206.12192	355.65473	348.58968	13.78666	0.1288812	0.18619255	3.0373478	21	3 8.2	21.0
538368 2016 CC_{314}	16.2	X	145.54761	218.72332	188.57907	14.04132	0.0080752	0.18125041	3.0923125	21	3 12.3	20.6
538369 2016 CD_{314}	18.4	X	248.87249	42.43648	111.81820	2.75798	0.0657266	0.29412213	2.2393273	21	12 16.8	20.8
538370 2016 CN_{314}	16.7	X	101.45918	42.60994	124.84772	5.56519	0.0639506	0.21910659	2.7249953	21	6 25.7	20.3
538371 2016 CP_{314}	17.6	X	225.11848	117.97394	34.09729	18.75767	0.0437229	0.27554522	2.3388774	21	11 7.5	20.6
538372 2016 CR_{314}	16.4	X	161.84099	6.70176	43.52648	16.26137	0.0510132	0.18695507	3.0290833	21	4 13.1	20.9
538373 2016 CM_{317}	16.2	X	229.61936	269.28150	36.20535	17.16804	0.1397565	0.17932626	3.1143932	21	2 21.1	21.5
538374 2016 CB_{318}	18.2	X	202.34114	68.11838	63.57228	6.78958	0.0770729	0.26983903	2.3717352	21	9 13.4	21.5
538375 2016 CM_{318}	17.6	X	63.50346	196.57229	83.03088	8.34886	0.1288407	0.25332886	2.4736957	21	10 21.7	21.0
538376 2016 CO_{318}	17.0	X	223.31462	258.84248	174.59803	22.00090	0.0415580	0.23921740	2.5700459	21	7 17.6	21.0
538377 2016 CQ_{318}	17.8	X	177.34062	93.05950	69.28092	5.56664	0.1220011	0.26352201	2.4094881	21	9 22.2	21.5
538378 2016 CY_{318}	17.5	X	204.02395	359.90311	90.61483	8.91942	0.0923142	0.23918838	2.5702537	21	7 15.7	21.2
538379 2016 CR_{319}	16.4	X	260.45678	214.29662	95.13178	12.64118	0.0749447	0.18424362	3.0587295	21	3 31.2	21.1
538380 2016 CX_{319}	16.8	X	247.23616	211.84472	107.55213	10.92739	0.0543749	0.18116524	3.0932816	21	3 29.6	21.5
538381 2016 CB_{320}	17.1	X	24.97510	91.62635	157.55154	12.87713	0.1477387	0.21328903	2.7743231	21	7 4.2	20.4
538382 2016 CC_{320}	16.0	X	268.52573	230.23977	91.57497	9.61971	0.1038162	0.18902963	3.0068802	21	4 18.5	20.5
538383 2016 CE_{320}	16.9	X	193.98679	279.12046	165.99617	22.03274	0.0933246	0.23276242	2.6173440	21	6 27.5	21.3
538384 2016 CL_{320}	16.2	X	241.78424	230.43986	90.14974	11.62586	0.0858238	0.17929285	3.1147802	21	3 23.3	21.1
538385 2016 CS_{320}	18.0	X	171.77098	292.25377	315.65985	5.57654	0.0626865	0.29572095	2.2312488	21	—	—
538386 2016 CA_{321}	16.2	X	265.60443	290.64821	357.77589	16.58242	0.0833382	0.17378580	3.1802397	21	3 7.7	20.8
538387 2016 CF_{321}	16.5	X	14.50561	315.24734	258.73776	15.74092	0.1212570	0.21194871	2.7860069	21	4 18.2	19.9
538388 2016 CZ_{321}	16.3	X	165.61310	309.44070	141.80573	14.18612	0.1497665	0.21811544	2.7332442	21	6 8.9	20.9
538389 2016 CG_{322}	15.9	X	250.97170	8.06242	279.09537	16.56818	0.1694654	0.17918774	3.1159981	21	2 3.9	21.2
538390 2016 CL_{322}	17.2	X	64.24100	354.85239	233.75714	14.04422	0.0585421	0.24347137	2.5400218	21	7 23.1	20.8
538391 2016 CN_{322}	15.9	X	321.64403	329.86475	270.49132	13.75152	0.1701297	0.18457196	3.0551010	21	2 21.6	20.3
538392 2016 CO_{322}	16.6	X	106.56096	187.72620	283.65681	13.43626	0.1853918	0.21135748	2.7912001	21	5 2.5	20.9
538393 2016 DZ_{1}	18.1	X	206.56191	66.60220	227.95073	20.17037	0.0380052	0.36103966	1.9532872	21	—	—
538394 2016 DS_{6}	17.9	X	160.89970	59.52220	103.03629	2.21458	0.1193809	0.27007079	2.3703782	21	9 3.8	21.3
538395 2016 DR_{8}	17.2	X	203.86386	47.02963	344.50389	5.77485	0.0312183	0.22294379	2.6936374	21	4 28.4	21.0
538396 2016 DC_{10}	17.0	X	2.91300	278.73829	330.39264	3.50045	0.1614164	0.22287198	2.6942159	21	5 18.6	19.6
538397 2016 DH_{15}	16.3	X	144.78094	260.69843	181.83137	21.77739	0.0895164	0.22584176	2.6705449	21	5 3.2	20.4
538398 2016 DL_{15}	17.6	X	239.00008	306.40277	97.07081	3.49337	0.1961851	0.25711477	2.4493529	21	6 12.3	21.4
538399 2016 DH_{18}	18.4	X	182.27216	277.35073	313.20994	4.16141	0.1466064	0.30269485	2.1968447	21	12 24.9	21.4
538400 2016 DO_{18}	16.2	X	287.81817	70.18453	180.30700	10.17737	0.0561503	0.18429419	3.0581700	21	2 13.0	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538401 2016 DY_{18}	17.6	X	193.43208	318.07683	164.50621	4.73183	0.1344136	0.26770757	2.3843076	21	8 13.4	21.3
538402 2016 DZ_{18}	17.5	X	184.39828	89.63175	339.33734	8.00778	0.1001982	0.23701158	2.5859671	21	5 23.9	21.6
538403 2016 DT_{23}	17.5	X	212.00272	357.18169	29.83293	3.01134	0.1189440	0.23052515	2.6342511	21	4 30.7	21.5
538404 2016 DE_{24}	16.9	X	59.35363	202.40182	357.60253	12.39759	0.0646312	0.23247119	2.6195295	21	6 9.2	20.4
538405 2016 DY_{28}	18.2	X	195.85041	216.63866	350.06637	4.11007	0.1078722	0.30003585	2.2098050	21	12 11.9	21.2
538406 2016 DQ_{29}	17.7	X	294.58947	331.00196	73.09580	7.48245	0.1286926	0.27845941	2.3225306	21	9 12.1	20.2
538407 2016 DN_{30}	17.4	X	64.56559	193.44113	118.83060	7.40193	0.1473993	0.28441761	2.2899802	21	12 9.3	20.6
538408 2016 DE_{31}	18.3	X	63.90108	264.44935	172.56664	23.46809	0.1338821	0.36865696	1.9262874	21	—	—
538409 2016 DN_{32}	15.8	X	285.13648	204.97905	46.84669	13.28924	0.1290946	0.17643790	3.1482905	21	2 11.0	20.7
538410 2016 DO_{32}	17.1	X	59.12597	200.54877	10.39131	13.63626	0.1194650	0.23376274	2.6098719	21	7 6.9	20.6
538411 2016 DR_{32}	17.4	X	356.39872	278.51071	325.34647	12.68334	0.0754509	0.22225831	2.6991729	21	4 27.7	20.9
538412 2016 DX_{32}	18.4	X	186.26779	117.99307	30.06322	3.51694	0.1365727	0.26085609	2.4258767	21	9 10.3	22.1
538413 2016 DD_{33}	17.8	X	94.21609	188.21539	70.70537	5.41541	0.1224774	0.26676486	2.3899215	21	10 29.4	21.2
538414 2016 DL_{33}	16.9	X	313.60466	134.05266	152.50770	8.37670	0.0432669	0.21310940	2.7758818	21	5 5.8	20.7
538415 2016 DV_{33}	17.2	X	321.47576	120.98559	162.53473	4.94695	0.0880283	0.22308875	2.6924704	21	5 4.6	20.6
538416 2016 DX_{33}	18.4	X	123.26702	120.08115	151.59413	7.30751	0.0389309	0.30207170	2.1998649	21	12 17.9	21.3
538417 2016 DC_{35}	18.0	X	117.94079	69.59818	135.62351	3.95833	0.0764261	0.26141615	2.4224107	21	9 9.9	21.3
538418 2016 DP_{35}	16.1	X	244.54871	129.30914	166.69720	16.65407	0.1259873	0.17754599	3.1351776	21	2 15.1	21.0
538419 2016 EX_{2}	17.6	X	157.94736	115.77989	117.44805	6.14528	0.1010970	0.30538703	2.1839146	21	12 6.9	20.6
538420 2016 EQ_{16}	17.2	X	320.16870	165.17136	124.69735	16.17089	0.0491184	0.22031957	2.7149844	21	5 20.9	21.0
538421 2016 ES_{24}	17.7	X	168.81078	252.36688	281.61871	9.33800	0.1708740	0.26861921	2.3789100	21	9 19.6	21.7
538422 2016 ED_{26}	15.8	X	240.82821	0.81204	294.15557	10.37544	0.0612052	0.17779423	3.1322586	21	2 13.1	20.6
538423 2016 EO_{37}	16.4	X	256.46562	292.71376	93.07259	15.47603	0.0282886	0.22286927	2.6942378	21	6 29.7	20.0
538424 2016 EH_{44}	17.7	X	248.40468	28.44858	54.98544	7.53571	0.0698290	0.27535991	2.3399266	21	9 7.6	20.7
538425 2016 EB_{51}	18.3	X	35.95883	265.57256	197.47098	20.92695	0.1147790	0.35720732	1.9672331	21	—	—
538426 2016 EU_{52}	17.8	X	145.66027	276.76463	231.58423	10.90592	0.1291279	0.24482746	2.5306338	21	7 25.7	21.8
538427 2016 EY_{55}	17.9	X	79.04459	256.11505	168.24241	23.01168	0.1182843	0.36253262	1.9479209	21	—	—
538428 2016 ES_{56}	16.8	X	73.31417	150.93703	9.97169	12.15868	0.1020365	0.22297006	2.6934258	21	5 10.4	20.3
538429 2016 EU_{58}	16.5	X	267.75571	6.80376	351.83674	8.53288	0.3106264	0.24347823	2.5399741	21	4 29.2	20.7
538430 2016 EN_{66}	15.8	X	262.60281	194.92949	86.07642	9.71814	0.0810797	0.18962540	3.0005788	21	2 23.0	20.4
538431 2016 EQ_{68}	17.9	X	161.91657	318.07255	295.61215	5.29184	0.0860596	0.31232608	2.1514465	21	—	—
538432 2016 EM_{74}	18.2	X	203.18902	262.01770	215.09982	2.00285	0.1286670	0.27297889	2.3535134	21	8 16.9	21.6
538433 2016 EK_{77}	18.0	X	217.99677	69.73840	39.75001	2.09065	0.1311173	0.27462906	2.3440762	21	8 24.8	21.2
538434 2016 EC_{78}	17.6	X	294.31036	166.19805	166.96122	7.58417	0.0778356	0.23982845	2.5656786	21	6 2.5	21.0
538435 2016 ER_{78}	17.2	X	359.14650	353.84109	250.13806	5.75489	0.0719690	0.22215037	2.7000472	21	5 8.3	20.3
538436 2016 EJ_{87}	17.1	X	55.07691	27.57873	172.23990	10.30905	0.0975992	0.21355543	2.7720154	21	6 10.7	20.7
538437 2016 EW_{87}	16.9	X	20.75436	129.01469	123.53316	9.20701	0.1420611	0.21640648	2.7476150	21	6 30.9	19.9
538438 2016 EM_{88}	16.7	X	122.58910	334.92773	163.84287	13.67392	0.1269759	0.23225621	2.6211457	21	6 21.8	20.8
538439 2016 EE_{94}	18.0	X	271.90339	316.48062	111.08192	7.62823	0.0783594	0.27998879	2.3140653	21	9 17.3	20.7
538440 2016 ER_{104}	17.5	X	236.30554	273.99524	112.81308	12.68238	0.0439952	0.23414828	2.6070062	21	6 4.7	21.3
538441 2016 EX_{108}	17.0	X	198.31714	74.32150	344.36454	22.06252	0.0220269	0.23636840	2.5906561	21	5 21.9	21.1
538442 2016 EL_{110}	16.4	X	352.23335	171.12872	38.30102	11.62128	0.0659588	0.19651926	2.9299888	21	3 21.7	20.3
538443 2016 ES_{111}	16.8	X	140.65919	172.04548	321.16730	13.04823	0.0920342	0.24297004	2.5435146	21	7 3.0	20.6
538444 2016 EJ_{114}	18.8	X	343.21839	331.39902	178.59363	23.90896	0.0534822	0.36024876	1.9561450	21	—	—
538445 2016 EL_{117}	18.3	X	162.60876	208.92847	15.19331	7.37092	0.0613061	0.29707696	2.2244539	21	11 28.4	21.3
538446 2016 EX_{119}	18.0	X	154.67347	152.35281	16.53526	4.96591	0.1693997	0.26372782	2.4082344	21	9 6.7	21.8
538447 2016 EZ_{121}	17.7	X	253.63559	310.68689	112.91257	5.75400	0.2108436	0.27217034	2.3581722	21	7 23.3	21.1
538448 2016 ER_{122}	17.5	X	92.71667	304.10331	223.84660	1.21543	0.0359951	0.22907789	2.6453345	21	6 10.1	20.9
538449 2016 EY_{122}	18.9	X	259.86743	198.46729	298.38986	1.68810	0.1015615	0.30275023	2.1965768	21	12 5.1	21.0
538450 2016 EE_{125}	18.0	X	174.85130	316.25498	206.40011	5.58577	0.2027764	0.27041969	2.3683388	21	9 13.8	21.8
538451 2016 ER_{125}	17.2	X	234.71608	35.65996	339.87064	5.55802	0.0568691	0.22230187	2.6988203	21	5 13.8	21.2
538452 2016 EL_{126}	16.5	X	187.71733	62.48173	357.64589	13.01967	0.1492932	0.22885528	2.6470497	21	5 14.3	21.0
538453 2016 EN_{127}	16.5	X	264.75612	119.67613	177.52326	10.62479	0.0741148	0.19311210	2.9643517	21	3 13.1	20.8
538454 2016 EQ_{128}	17.4	X	209.44761	241.71505	172.07459	2.58017	0.0688598	0.23151843	2.6267113	21	6 4.4	21.3
538455 2016 EN_{130}	17.2	X	296.93528	118.60336	226.77141	3.90709	0.0202485	0.23702600	2.5858623	21	6 30.8	20.5
538456 2016 ET_{131}	17.0	X	181.77387	73.58185	1.56159	22.25363	0.0344739	0.22559458	2.6724952	21	5 22.9	21.3
538457 2016 EA_{134}	17.3	X	230.23173	46.56068	2.77904	13.18618	0.0885017	0.23823745	2.5770886	21	6 20.5	21.3
538458 2016 EN_{134}	18.0	X	153.10650	57.95910	185.84105	10.16049	0.1314510	0.28923580	2.2644776	21	12 11.4	21.6
538459 2016 EX_{136}	17.0	X	313.80989	236.03035	25.08274	6.08316	0.0321025	0.19718719	2.9233687	21	4 3.8	21.0
538460 2016 EP_{139}	17.0	X	147.43228	297.00400	186.01347	10.16822	0.0878179	0.23328542	2.6134307	21	6 24.6	21.1
538461 2016 EG_{141}	16.7	X	244.05223	25.98120	10.24972	13.66138	0.1798120	0.23999585	2.5644854	21	6 7.3	20.9
538462 2016 EX_{141}	17.7	X	121.67045	250.00532	353.13069	7.28949	0.0790395	0.27685567	2.3314911	21	11 2.0	20.9
538463 2016 EN_{143}	17.0	X	140.13594	75.67595	30.08657	4.69191	0.0217721	0.21689222	2.7435112	21	5 17.7	20.7
538464 2016 EB_{145}	18.0	X	197.19030	334.94197	152.61649	2.02003	0.1219876	0.26174393	2.4203879	21	8 25.1	21.4
538465 2016 EB_{146}	16.9	X	189.50671	10.64584	44.61438	6.65741	0.0942996	0.21740038	2.7392343	21	5 14.4	21.1
538466 2016 EJ_{146}	17.5	X	84.90258	195.66849	71.33663	1.46072	0.1824657	0.25945432	2.4346065	21	11 2.8	20.9
538467 2016 EN_{149}	17.6	X	122.11452	20.86026	151.26032	5.14404	0.1183840	0.23985568	2.5654844	21	8 2.7	21.4
538468 2016 EE_{150}	17.8	X	149.47948	91.61758	42.53230	9.13222	0.1664173	0.23970176	2.5665825	21	7 18.3	22.0
538469 2016 EJ_{150}	17.5	X	167.78469	65.89142	43.78244	8.69832	0.0818333	0.23219424	2.6216120	21	6 30.3	21.5
538470 2016 EQ_{150}	18.2	X	250.09047	47.05271	66.26754	3.24309	0.1597053	0.28289525	2.2981883	21	10 5.9	20.9
538471 2016 EE_{151}	15.8	X	183.67713	338.90842	31.12145	9.80092	0.0925267	0.18405465	3.0608228	21	3 20.1	20.5
538472 2016 ER_{152}	17.5	X	191.65834	104.16865	26.81039	5.56065	0.1762504	0.26199653	2.4188319	21	8 23.8	21.4
538473 2016 EE_{159}	17.1	X	311.00673	266.42543	37.72949	13.34330	0.1769154	0.22693237	2.6619818	21	4 30.7	20.3
538474 2016 ES_{160}	16.8	X	46.49899	287.89196	232.97828	1.05354	0.0441852	0.19631302	2.9320406	21	3 31.6	20.6
538475 2016 ED_{162}	18.5	X	168.53299	310.92759	191.35636	2.67465	0.1395575	0.26063749	2.4272330	21	8 13.6	22.4
538476 2016 EE_{163}	18.9	X	267.59434	74.60209	72.25799	3.33035	0.1517515	0.31575381	2.1358479	21	12 30.8	20.6
538477 2016 EB_{164}	17.9	X	207.08942	236.89580	250.76953	5.74240	0.0912854	0.27396710	2.3478505	21	9 5.4	21.2
538478 2016 EO_{166}	15.8	X	283.68288	256.14719	348.92885	13.78360	0.0393017	0.17620392	3.1510770	21	2 10.9	20.4
538479 2016 EZ_{168}	17.1	X	1.49137	256.82876	8.80936	2.55100	0.0582780	0.22564825	2.6720714	21	6 12.5	20.4
538480 2016 EA_{169}	18.4	X	73.74628	10.98905	298.96220	1.77454	0.1190228	0.28404539	2.2919803	21	12 12.3	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538481 2016 EV_{170}	18.2	X	181.41810	83.87537	73.93942	1.58591	0.1346725	0.27005757	2.3704555	21	9 18.3	21.7
538482 2016 EZ_{172}	17.8	X	165.75902	56.65000	119.76310	7.66911	0.1261984	0.27688891	2.3313045	21	9 30.2	21.4
538483 2016 EP_{175}	16.7	X	317.58169	329.45381	300.25924	15.56668	0.0441354	0.21667073	2.7453805	21	4 6.3	20.7
538484 2016 EQ_{176}	18.2	X	234.60572	258.50194	226.28784	5.40721	0.1128534	0.28319815	2.2965493	21	10 5.4	21.1
538485 2016 ED_{177}	16.6	X	285.87573	271.22569	341.02828	10.08739	0.0942131	0.17768576	3.1335332	21	2 12.6	21.2
538486 2016 EP_{179}	17.9	X	247.72658	117.28772	345.05842	5.84760	0.1606761	0.27978329	2.3151983	21	9 14.7	20.7
538487 2016 EP_{180}	16.7	X	224.46075	145.16917	197.79717	10.11010	0.1182339	0.19086610	2.9875614	21	3 22.3	21.4
538488 2016 EM_{181}	16.8	X	54.73687	200.16024	4.07936	13.23672	0.1226105	0.21820430	2.7325022	21	6 18.1	20.4
538489 2016 EO_{181}	16.5	X	175.98774	84.79982	9.50811	22.08826	0.0669859	0.22781288	2.6551182	21	6 16.6	20.9
538490 2016 ED_{186}	19.0	X	234.54971	308.85135	160.75238	5.31497	0.1711166	0.28205576	2.3027462	21	9 7.9	22.1
538491 2016 EX_{186}	16.9	X	47.04829	286.49480	255.35544	10.01809	0.0594207	0.21902572	2.7256660	21	4 25.9	20.5
538492 2016 EH_{187}	16.4	X	313.04805	57.20991	220.01219	12.55295	0.1844138	0.21022816	2.8011872	21	3 26.7	20.3
538493 2016 ES_{188}	17.2	X	143.16890	284.47289	183.65801	21.72931	0.0904856	0.23473346	2.6026716	21	6 2.2	21.4
538494 2016 EG_{190}	17.2	X	356.25953	36.92276	218.04197	10.17472	0.1206153	0.22159170	2.7045835	21	5 18.1	20.1
538495 2016 EB_{195}	12.0	X	38.36525	91.67016	59.28848	20.83991	0.4584624	0.01726205	14.8277238	21	5 19.5	22.5
538496 2016 EQ_{198}	18.7	X	195.67352	148.00761	7.47964	3.01305	0.1564992	0.27863325	2.3215645	21	9 28.4	22.1
538497 2016 EQ_{199}	17.8	X	104.12769	143.00851	122.13092	3.35948	0.1735826	0.27708683	2.3301943	21	11 21.2	21.4
538498 2016 EX_{199}	17.3	X	142.92610	49.56930	75.50804	4.83743	0.1633134	0.23072069	2.6327625	21	6 28.2	21.4
538499 2016 EH_{200}	16.4	X	82.42446	296.38506	292.11048	12.03131	0.1197030	0.24284758	2.5443696	21	8 26.4	20.0
538500 2016 ET_{201}	17.5	X	181.35702	282.63212	202.50051	5.94165	0.0683764	0.26260177	2.4151139	21	8 4.2	20.9
538501 2016 ED_{203}	18.0	X	32.55035	80.20727	22.17463	22.79470	0.1100141	0.35713984	1.9674809	21	—	—
538502 2016 EU_{204}	18.3	X	151.21355	347.68182	4.64326	19.79825	0.0808869	0.36162518	1.9511782	21	—	—
538503 2016 EY_{204}	18.2	X	10.63617	94.62855	25.47921	20.22405	0.1052318	0.35531598	1.9742079	21	—	—
538504 2016 EE_{206}	18.7	X	216.64174	103.79947	203.67247	21.48813	0.0592349	0.36730246	1.9310202	21	—	—
538505 2016 EY_{207}	16.2	X	233.17327	21.53244	32.04186	29.88867	0.1656493	0.23916146	2.5704466	21	6 16.2	20.8
538506 2016 EX_{208}	16.1	X	222.46467	335.38196	12.04803	11.99439	0.1869507	0.18544145	3.0455438	21	3 25.7	21.2
538507 2016 EX_{209}	16.1	X	222.18528	199.79899	135.12207	16.65835	0.0575219	0.17317469	3.1877171	21	3 20.4	21.0
538508 2016 EH_{211}	16.8	X	268.66382	317.77256	334.90842	1.64539	0.1172570	0.18826484	3.0150179	21	3 7.9	21.1
538509 2016 EJ_{215}	16.3	X	252.31166	76.15756	253.45372	9.90733	0.0807523	0.20115692	2.8847802	21	4 2.9	20.8
538510 2016 EO_{215}	16.7	X	276.70612	72.53950	198.51051	9.68067	0.0149355	0.18050319	3.1008407	21	3 2.4	21.2
538511 2016 EP_{215}	16.4	X	260.24712	62.30873	249.31060	0.65587	0.1645266	0.18358071	3.0660884	21	3 17.5	21.0
538512 2016 ER_{215}	15.8	X	355.86899	141.93176	75.02517	12.41017	0.0988222	0.18437287	3.0572999	21	4 7.0	19.8
538513 2016 ET_{215}	16.2	X	180.38057	131.41517	231.83778	8.17391	0.0897969	0.17408843	3.1765530	21	3 3.2	21.3
538514 2016 EU_{215}	16.9	X	292.94728	151.30854	121.24959	1.30062	0.0653061	0.18565879	3.0431665	21	3 19.1	21.0
538515 2016 EA_{216}	18.0	X	188.64181	44.48255	149.51682	2.63856	0.0481121	0.27255987	2.3559249	21	11 19.3	21.1
538516 2016 EC_{216}	18.0	X	213.62497	352.27691	182.78674	5.52980	0.1094503	0.27867747	2.3213189	21	11 18.8	21.1
538517 2016 EV_{216}	16.2	X	218.86323	171.21083	169.03712	19.06821	0.1150159	0.18540494	3.0459435	21	3 16.1	21.1
538518 2016 EX_{216}	16.8	X	72.32087	295.32210	269.86097	12.01503	0.2122761	0.22732485	2.6589169	21	7 27.8	20.4
538519 2016 EC_{217}	16.8	X	252.90770	333.16039	19.12084	15.33010	0.1228824	0.23042010	2.6350517	21	4 26.2	20.7
538520 2016 EN_{217}	17.7	X	197.43657	73.24684	358.25398	2.77979	0.0328415	0.23097792	2.6308075	21	6 14.4	21.4
538521 2016 EO_{217}	17.7	X	252.14091	134.08285	233.58350	4.44488	0.0108607	0.22428203	2.6829118	21	6 2.0	21.3
538522 2016 EQ_{217}	16.7	X	248.71708	98.71981	202.69094	9.70878	0.1036136	0.17308921	3.1887664	21	2 26.4	21.6
538523 2016 ES_{217}	17.1	X	237.41693	89.90505	297.72441	5.20752	0.0423641	0.22406000	2.6846839	21	6 5.2	20.8
538524 2016 EV_{217}	16.1	X	142.89911	241.11536	197.34470	9.16044	0.0514744	0.19066220	2.9896911	21	4 22.7	20.4
538525 2016 EZ_{217}	17.1	X	310.64133	168.34133	136.79832	4.71367	0.0463669	0.21298856	2.7769317	21	5 24.5	20.8
538526 2016 EE_{218}	17.3	X	323.92075	260.93816	358.35637	2.46988	0.0283933	0.20387233	2.8591078	21	4 13.3	21.2
538527 2016 EF_{218}	17.2	X	300.20808	168.33252	128.63312	3.96823	0.0204738	0.21106259	2.7937993	21	5 3.5	21.0
538528 2016 EG_{218}	17.0	X	271.75962	173.58008	148.59022	4.86156	0.0610254	0.20913747	2.8109179	21	4 23.9	21.0
538529 2016 EU_{218}	17.1	X	60.80242	187.62776	11.59014	8.93267	0.0647943	0.21966290	2.7203925	21	6 11.4	20.7
538530 2016 EV_{218}	17.4	X	335.59395	253.40376	120.59278	6.71228	0.0554892	0.25753956	2.4466589	21	10 10.9	20.3
538531 2016 EW_{218}	17.4	X	52.97584	101.92116	122.05408	3.31381	0.0210413	0.21899946	2.7258839	21	6 29.4	20.9
538532 2016 EX_{218}	17.1	X	8.14132	100.89023	152.61112	8.97416	0.0113264	0.21939137	2.7226367	21	6 7.5	20.8
538533 2016 EZ_{218}	16.9	X	65.30089	19.74865	211.17520	6.08649	0.0587828	0.22399578	2.6851970	21	7 30.0	20.5
538534 2016 EB_{219}	17.1	X	331.87799	274.14944	112.68891	7.75403	0.1145034	0.26866346	2.3786487	21	10 26.1	19.5
538535 2016 EF_{219}	17.0	X	220.32570	32.04637	0.05036	13.20603	0.1627938	0.22572668	2.6714525	21	5 9.3	21.5
538536 2016 EK_{219}	18.0	X	144.83538	120.57900	60.70437	5.79875	0.0588942	0.25768061	2.4457659	21	9 10.8	21.4
538537 2016 EL_{219}	17.6	X	215.93627	292.24656	134.19228	3.02890	0.0468774	0.23277191	2.6172729	21	6 30.1	21.2
538538 2016 EM_{219}	16.9	X	47.99062	312.67520	325.79264	12.87774	0.1924530	0.23481080	2.6021001	21	9 26.7	20.3
538539 2016 EN_{219}	17.0	X	101.00062	38.06758	148.65664	13.78962	0.0936584	0.23273087	2.6175805	21	7 24.5	20.8
538540 2016 EO_{219}	17.3	X	260.43120	359.02388	353.50626	12.04488	0.1487137	0.22050101	2.7134948	21	5 1.0	21.6
538541 2016 EU_{219}	17.6	X	246.45611	244.46499	225.29002	7.01611	0.0966400	0.28094095	2.3088339	21	10 1.9	20.6
538542 2016 EW_{219}	16.6	X	282.18751	54.37888	251.41365	4.70502	0.2027915	0.19244613	2.9711866	21	3 25.6	21.2
538543 2016 ED_{220}	16.1	X	195.80148	307.43417	75.09058	10.51920	0.0355821	0.18447436	3.0561785	21	4 17.5	20.7
538544 2016 EM_{220}	16.6	X	193.63986	346.14103	100.40093	14.12716	0.1204678	0.22905229	2.6455316	21	6 27.9	20.6
538545 2016 EP_{220}	15.6	X	215.42991	291.96422	35.97637	22.85384	0.1301234	0.17212747	3.2006333	21	3 11.2	21.1
538546 2016 EU_{220}	17.3	X	310.65477	225.61866	62.61774	0.93336	0.0383410	0.21475465	2.7616862	21	5 1.6	20.9
538547 2016 EA_{221}	17.2	X	232.57283	340.37893	33.32066	6.93854	0.0749107	0.21668304	2.7452765	21	5 8.7	21.1
538548 2016 EC_{221}	16.5	X	184.53010	317.41448	112.27605	6.39922	0.0651058	0.21839216	2.7309349	21	5 28.9	20.5
538549 2016 EE_{221}	16.3	X	248.23165	183.14100	100.80607	6.50920	0.1904989	0.17625151	3.1505097	21	2 3.0	21.5
538550 2016 EL_{221}	17.2	X	334.64051	79.34383	218.89907	1.20563	0.1461428	0.21883002	2.7272908	21	6 7.5	20.0
538551 2016 EO_{221}	16.6	X	259.09738	270.45270	24.62275	7.22228	0.2002947	0.17751489	3.1355437	21	2 25.9	21.7
538552 2016 EV_{221}	16.7	X	331.54094	174.10355	170.93325	13.38498	0.1806051	0.22293137	2.6937374	21	8 4.7	19.5
538553 2016 EZ_{221}	16.0	X	115.03107	200.45029	228.05899	9.33484	0.0859967	0.19110312	2.9850907	21	3 8.3	20.3
538554 2016 EH_{222}	15.5	X	207.72782	264.47524	93.34511	11.14883	0.0505935	0.17425090	3.1745782	21	4 2.9	20.4
538555 2016 EW_{222}	16.9	X	238.78193	225.25567	111.72147	3.19880	0.0695224	0.19797341	2.9156237	21	4 3.8	21.2
538556 2016 EX_{222}	18.0	X	155.85283	136.40887	14.73229	1.56101	0.0353825	0.24778647	2.5104466	21	8 10.1	21.4
538557 2016 EY_{222}	17.7	X	225.10588	51.80993	14.03991	11.74036	0.1293833	0.24489220	2.5301877	21	7 4.6	21.8
538558 2016 EA_{223}	16.9	X	238.82065	230.77383	137.59250	5.51819	0.0798115	0.21406282	2.7676333	21	5 11.6	21.0
538559 2016 ED_{223}	18.0	X	106.91278	247.83413	2.47075	6.40601	0.0653907	0.26367265	2.4085703	21	10 23.4	21.2
538560 2016 EF_{223}	17.0	X	39.95902	202.13025	117.69278	11.80825	0.1395050	0.26395664	2.4068424	21	11 17.0	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538561 2016 EQ_{223}	15.8	X	18.33617	310.23027	281.25633	11.07541	0.0505530	0.20964472	2.8063819	21	5 21.6	19.5
538562 2016 ES_{223}	17.3	X	127.48594	58.71719	135.53303	3.15711	0.1277002	0.24345404	2.5401424	21	9 8.8	21.1
538563 2016 EC_{225}	17.1	X	179.42309	264.11074	132.96723	2.99318	0.0800043	0.20090627	2.8871791	21	4 13.5	21.5
538564 2016 EE_{225}	16.7	X	16.17177	330.35906	209.40604	18.91969	0.0833392	0.18442990	3.0566696	21	3 10.9	20.8
538565 2016 EF_{225}	17.3	X	215.66796	204.87874	162.24329	2.46400	0.0800283	0.20341579	2.8633841	21	4 14.0	21.6
538566 2016 EU_{225}	17.4	X	139.18357	236.37291	225.61454	3.64961	0.0266838	0.21426763	2.7658694	21	5 13.1	21.2
538567 2016 EW_{225}	17.3	X	125.35955	168.77394	22.96896	4.16375	0.1497487	0.24454599	2.5325752	21	9 5.8	21.1
538568 2016 EA_{226}	17.5	X	279.87078	140.87865	193.45782	5.94130	0.0259157	0.22305389	2.6927509	21	5 23.8	21.2
538569 2016 EB_{226}	17.6	X	344.79630	92.82237	190.34810	1.34659	0.0189250	0.22853017	2.6495596	21	6 13.4	21.1
538570 2016 EO_{226}	16.8	X	143.78853	190.63772	244.28882	7.86710	0.1086088	0.20866567	2.8151533	21	4 20.9	21.1
538571 2016 EP_{226}	17.3	X	284.37412	90.27975	234.66609	2.98785	0.0632661	0.21416314	2.7667690	21	5 10.9	21.0
538572 2016 EQ_{226}	17.1	X	288.39803	137.10613	197.08325	5.53310	0.0494320	0.21901787	2.7257311	21	5 31.5	20.7
538573 2016 EU_{226}	16.8	X	274.15560	152.20389	161.43556	9.69099	0.0123520	0.19346734	2.9607218	21	4 25.3	21.0
538574 2016 EW_{226}	16.2	X	358.17460	228.66586	70.47946	12.82551	0.1425984	0.22254554	2.6968500	21	7 28.9	19.2
538575 2016 EA_{227}	17.4	X	164.13021	248.93745	181.97143	3.48015	0.0827152	0.21506787	2.7590042	21	5 8.0	21.4
538576 2016 EH_{227}	17.3	X	267.25278	0.58258	19.93215	1.26944	0.1517627	0.23978416	2.5659945	21	6 18.4	20.7
538577 2016 EQ_{227}	16.5	X	114.90395	14.82746	138.91633	4.65889	0.0380207	0.21253055	2.7809198	21	6 21.2	20.4
538578 2016 EY_{227}	17.0	X	290.58160	218.19739	126.20812	6.81047	0.0511180	0.22622101	2.6675593	21	6 16.7	20.5
538579 2016 EB_{228}	16.2	X	277.86079	73.35989	205.89935	11.56164	0.0782453	0.18390398	3.0624944	21	3 4.3	20.8
538580 2016 EC_{228}	17.5	X	64.79687	220.09801	348.89582	5.89763	0.0415765	0.22857119	2.6492426	21	6 28.9	21.0
538581 2016 EE_{228}	17.6	X	57.71054	345.82951	207.08480	3.64178	0.0372294	0.21497271	2.7598183	21	5 27.4	21.1
538582 2016 EL_{228}	17.1	X	77.56611	248.30687	317.12766	7.91179	0.1627595	0.22933085	2.6433889	21	7 31.4	20.6
538583 2016 EY_{228}	17.2	X	10.96253	95.13979	168.91868	9.21600	0.0827152	0.22682984	2.6627840	21	6 26.2	20.4
538584 2016 EA_{229}	17.3	X	94.92132	24.46527	262.93981	3.89180	0.1013722	0.27533962	2.3400416	21	12 3.5	20.4
538585 2016 EE_{230}	17.2	X	257.86244	215.63768	137.61114	17.39164	0.1116021	0.22786080	2.6547460	21	5 13.8	21.4
538586 2016 EH_{230}	16.1	X	227.95366	56.72204	260.33365	10.35045	0.0818907	0.18576587	3.0419969	21	2 21.4	21.0
538587 2016 EP_{230}	17.0	X	182.59233	269.42545	181.66439	15.80744	0.1220516	0.23829627	2.5766646	21	6 22.1	21.3
538588 2016 EB_{231}	17.3	X	172.22763	309.63721	158.11497	12.25497	0.1378161	0.23861728	2.5743532	21	7 3.2	21.6
538589 2016 EJ_{231}	16.9	X	308.74199	235.08030	33.81179	15.33194	0.1161484	0.20295645	2.8677028	21	3 29.6	20.8
538590 2016 EP_{231}	17.3	X	248.49034	281.45589	90.98127	13.69077	0.1671917	0.23301589	2.6154456	21	5 19.3	21.4
538591 2016 ET_{231}	17.4	X	148.88600	253.98393	238.58603	14.60071	0.0976279	0.24081261	2.5586835	21	7 7.1	21.4
538592 2016 EK_{232}	16.2	X	274.85224	48.59851	234.94961	14.17560	0.1253932	0.18231327	3.0802823	21	2 25.6	21.1
538593 2016 EJ_{233}	16.1	X	242.14093	303.21057	14.78161	8.90382	0.0462927	0.18588973	3.0406454	21	3 18.7	20.4
538594 2016 ET_{233}	17.2	X	237.62160	44.17008	14.26929	5.37590	0.1216470	0.24173050	2.5522022	21	7 9.0	20.9
538595 2016 EV_{233}	17.0	X	114.49116	303.47941	203.46993	14.12639	0.0863659	0.22361881	2.6882139	21	6 17.3	21.0
538596 2016 EK_{234}	16.2	X	315.68168	66.13100	182.07962	15.45618	0.0191269	0.17917517	3.1161438	21	3 24.4	20.6
538597 2016 EP_{234}	16.6	X	307.16361	197.80546	86.36516	10.94860	0.0473729	0.19034148	2.9930486	21	4 27.0	20.8
538598 2016 EX_{234}	16.9	X	196.39603	345.24156	95.19705	10.66008	0.0874354	0.21852456	2.7298317	21	6 23.8	21.1
538599 2016 EB_{235}	16.9	X	164.32456	33.60803	87.05475	10.36109	0.0166615	0.21938404	2.7226973	21	7 8.6	20.6
538600 2016 EE_{235}	16.2	X	77.59189	63.40784	61.14841	11.70211	0.0559239	0.18050212	3.1008530	21	4 5.9	20.6
538601 2016 ET_{235}	18.4	X	153.62619	120.63190	123.04225	4.56254	0.1047334	0.27930246	2.3178547	21	12 10.9	21.8
538602 2016 EA_{236}	17.9	X	106.69871	13.49356	254.58999	6.48414	0.0956064	0.27748761	2.3279500	21	11 21.2	21.3
538603 2016 EE_{236}	17.0	X	70.40154	112.44319	133.77877	13.83259	0.0554198	0.24108529	2.5567538	21	9 1.1	20.3
538604 2016 EG_{236}	16.5	X	249.03861	205.30391	109.92234	15.70350	0.0541242	0.17989510	3.1078245	21	3 28.6	21.3
538605 2016 EP_{236}	17.6	X	160.51601	27.63961	107.78632	14.41767	0.1040580	0.23475346	2.6025239	21	7 27.4	21.5
538606 2016 EU_{236}	16.3	X	191.31361	196.67424	173.43646	16.08379	0.0743060	0.17649868	3.1475677	21	3 26.1	21.1
538607 2016 EW_{236}	17.7	X	182.61607	23.68152	92.50364	14.26193	0.1215833	0.23959530	2.5673428	21	7 26.2	21.7
538608 2016 EA_{239}	17.2	X	231.93728	297.25260	73.03203	10.72929	0.1063908	0.22436643	2.6822389	21	5 4.3	21.3
538609 2016 EJ_{239}	17.8	X	104.59730	336.59272	203.43458	3.18145	0.1465321	0.22830783	2.6512795	21	7 26.7	21.6
538610 2016 EO_{239}	16.5	X	42.99597	317.97320	211.71404	12.59718	0.0420835	0.18393478	3.0621524	21	4 7.8	20.5
538611 2016 EH_{240}	16.2	X	46.11793	120.12373	106.09745	14.38253	0.0631444	0.21019056	2.8015212	21	6 28.3	19.7
538612 2016 EL_{240}	17.4	X	267.33826	212.12981	136.19335	6.06359	0.0527679	0.22757035	2.6570043	21	5 22.4	21.1
538613 2016 EH_{241}	18.4	X	202.00457	194.42747	288.71821	1.12544	0.0740664	0.26415751	2.4056221	21	8 27.7	21.6
538614 2016 ER_{241}	17.7	X	176.99900	152.69773	263.65106	2.51496	0.0919944	0.21664434	2.7456034	21	5 2.2	21.9
538615 2016 ET_{241}	17.2	X	282.91298	327.76660	344.26950	5.07606	0.0518392	0.20999285	2.8032793	21	4 22.2	21.1
538616 2016 EH_{242}	17.2	X	216.95728	336.76425	25.43694	6.12871	0.0904654	0.20245588	2.8724278	21	4 8.6	21.5
538617 2016 EJ_{242}	18.5	X	216.93965	9.74746	85.23795	2.07936	0.1489640	0.26004450	2.4309215	21	8 1.3	22.2
538618 2016 EO_{242}	17.7	X	131.08314	31.92501	112.77164	3.49282	0.0186192	0.23297026	2.6157871	21	6 27.3	21.1
538619 2016 ED_{243}	17.3	X	283.98490	224.44856	84.85033	3.18843	0.0541283	0.20640705	2.8356526	21	4 23.3	21.2
538620 2016 EE_{243}	16.6	X	193.15242	345.37782	22.00981	16.99878	0.1159500	0.19190927	2.9767253	21	3 26.4	21.4
538621 2016 EL_{243}	18.2	X	201.62255	301.84693	178.90216	2.43963	0.1427563	0.26253416	2.4155285	21	8 18.9	21.8
538622 2016 EG_{244}	17.2	X	153.22809	127.71526	7.25460	14.50013	0.1192126	0.23413422	2.6071106	21	7 23.8	21.5
538623 2016 EH_{244}	16.4	X	248.31692	76.08785	228.31512	7.69644	0.0672000	0.17726213	3.1385237	21	3 3.6	21.2
538624 2016 EJ_{244}	17.5	X	184.44478	315.12545	276.86355	6.91775	0.0569597	0.29642740	2.2277023	21	—	—
538625 2016 EN_{244}	17.6	X	280.79539	174.28076	179.03981	15.00673	0.1231240	0.23777811	2.5804066	21	6 4.8	21.4
538626 2016 EU_{244}	16.3	X	257.93170	265.87988	18.53681	11.01312	0.1197346	0.17667369	3.1454887	21	2 20.9	21.2
538627 2016 EF_{245}	17.7	X	170.27695	54.21075	59.39543	13.93584	0.1168499	0.23753264	2.5821840	21	7 9.5	21.8
538628 2016 EK_{245}	15.7	X	208.18865	261.25488	85.07313	16.74378	0.1971442	0.17170727	3.2058529	21	3 21.3	21.4
538629 2016 EU_{245}	17.6	X	218.57854	192.00625	221.94834	6.02974	0.1024238	0.23479941	2.6021843	21	6 12.6	21.5
538630 2016 ED_{246}	16.9	X	84.50016	327.43333	194.36506	13.95631	0.0480302	0.21652605	2.7466034	21	5 25.3	20.8
538631 2016 EH_{246}	18.2	X	55.01966	27.68760	274.95897	2.67851	0.0573937	0.26993313	2.3711840	21	10 27.9	21.1
538632 2016 EK_{246}	16.3	X	299.26962	42.01141	217.40809	10.65386	0.0765958	0.18539815	3.0460179	21	3 5.0	20.8
538633 2016 EJ_{247}	18.7	X	261.35950	280.11814	212.05372	6.24909	0.0446945	0.28967511	2.2621875	21	12 6.6	21.2
538634 2016 ET_{247}	16.5	X	218.77676	328.21721	15.84069	5.38435	0.1380078	0.17936682	3.1139238	21	3 20.6	21.4
538635 2016 ED_{248}	16.6	X	161.21078	205.77726	199.95870	8.96641	0.0627977	0.18558447	3.0439788	21	4 3.2	21.1
538636 2016 EF_{248}	17.2	X	184.25019	15.84335	61.83115	22.29672	0.0631543	0.22765002	2.6563844	21	6 4.4	21.2
538637 2016 EQ_{248}	17.0	X	319.85240	309.39594	33.61893	15.91371	0.1278039	0.24463152	2.5319849	21	7 24.3	20.2
538638 2016 EV_{248}	16.3	X	243.56944	94.20495	323.86219	14.52877	0.1088355	0.24359695	2.5391488	21	7 19.2	20.0
538639 2016 EW_{248}	16.7	X	148.24430	195.83137	286.84386	12.87125	0.1507152	0.23191900	2.6236858	21	6 30.0	20.8
538640 2016 EC_{249}	16.7	X	22.94726	153.30034	92.32882	8.31399	0.0561828	0.21083359	2.7958220	21	6 18.9	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538641 2016 EP_{249}	17.8	X	80.32303	246.52797	68.82456	7.47218	0.1349458	0.28314375	2.2968435	21	12 27.9	21.1
538642 2016 EV_{249}	18.0	X	199.69804	308.38989	246.03182	6.23896	0.1232921	0.29126458	2.2539499	21	11 27.2	21.0
538643 2016 EX_{249}	16.8	X	264.96657	22.74055	268.87002	11.76551	0.1878145	0.17776627	3.1325870	21	2 20.0	22.0
538644 2016 FA_{4}	19.5	X	149.27946	281.70478	53.66039	16.20813	0.7935509	0.86380190	1.0919262	21	—	—
538645 2016 FG_{4}	16.8	X	120.92194	142.03494	13.05484	10.64985	0.1677703	0.23488617	2.6015435	21	7 18.0	20.9
538646 2016 FU_{4}	16.8	X	125.15221	344.42674	173.50173	11.13711	0.0654565	0.24100426	2.5573268	21	7 11.8	20.6
538647 2016 FE_{5}	17.3	X	62.88716	192.72060	13.48667	4.22614	0.1548204	0.22927440	2.6438228	21	7 10.4	20.5
538648 2016 FS_{6}	19.4	X	119.88646	175.24030	165.09775	37.18442	0.7765367	0.66569672	1.2990278	21	—	—
538649 2016 FB_{7}	16.8	X	72.35632	202.36868	4.68272	13.62954	0.1978807	0.23337453	2.6127654	21	8 6.4	20.5
538650 2016 FO_{7}	16.5	X	12.72599	125.80637	118.95222	6.07231	0.1243093	0.21664614	2.7455883	21	6 3.9	19.6
538651 2016 FQ_{7}	17.3	X	148.61185	182.68846	95.91923	7.18874	0.1641563	0.29766209	2.2215378	21	—	—
538652 2016 FW_{7}	18.9	X	190.75321	132.07701	105.99926	2.97044	0.2916147	0.30119708	2.2041216	21	12 28.8	22.4
538653 2016 FY_{7}	16.4	X	145.32014	83.87501	10.30049	9.89633	0.0977387	0.22219424	2.6996918	21	5 13.9	20.6
538654 2016 FM_{8}	17.1	X	97.09144	106.26375	67.80666	5.55758	0.1079829	0.23230720	2.6207621	21	7 5.6	20.6
538655 2016 FS_{8}	17.1	X	99.84992	138.03038	25.58110	13.45992	0.1100753	0.23005661	2.6378266	21	6 24.6	21.0
538656 2016 FX_{11}	17.7	X	165.79229	226.45574	44.20902	7.02311	0.2077712	0.30418002	2.1896881	21	—	—
538657 2016 FG_{12}	19.2	X	235.37235	247.19078	2.50860	3.44048	0.3774540	0.32243901	2.1062229	21	—	—
538658 2016 FX_{15}	17.7	X	307.96938	18.14173	40.69029	6.51426	0.1451480	0.28530806	2.2852130	21	10 26.3	19.4
538659 2016 FL_{16}	17.2	X	74.06255	93.04021	113.77399	6.83133	0.1328175	0.23879653	2.5730647	21	7 23.6	20.5
538660 2016 FD_{17}	17.5	X	162.08563	318.08692	185.26858	23.33775	0.2112404	0.25452206	2.4659585	21	8 6.6	22.0
538661 2016 FK_{17}	18.1	X	176.96974	319.60163	261.94363	3.57318	0.2077524	0.28859082	2.2678502	21	12 1.1	21.8
538662 2016 FA_{20}	17.6	X	152.60354	176.45982	61.66739	6.54044	0.1263982	0.28627838	2.2800464	21	12 2.5	20.7
538663 2016 FM_{20}	18.0	X	217.02891	62.24219	34.04814	7.36886	0.2082114	0.26275068	2.4142013	21	7 31.9	22.0
538664 2016 FR_{20}	17.9	X	157.18766	186.40834	51.27602	7.62616	0.0748345	0.28871042	2.2672239	21	12 8.8	21.0
538665 2016 FK_{21}	16.5	X	3.80438	171.60705	50.15734	14.57637	0.1390620	0.19814448	2.9139453	21	4 19.7	19.8
538666 2016 FP_{21}	18.1	X	159.96021	131.19003	85.61851	7.73644	0.0722309	0.27857263	2.3219013	21	11 15.5	21.3
538667 2016 FV_{21}	17.4	X	272.43477	234.75926	123.90593	6.35574	0.0854767	0.22445428	2.6815390	21	6 6.5	21.0
538668 2016 FN_{22}	16.5	X	240.64354	165.65291	140.77126	2.62997	0.0215667	0.18291546	3.0735180	21	3 4.2	20.9
538669 2016 FO_{22}	18.0	X	151.31625	44.06300	129.52266	2.06513	0.1221510	0.25819429	2.4425209	21	9 7.2	21.6
538670 2016 FH_{28}	17.0	X	195.91743	33.94382	18.11417	14.26984	0.2084765	0.22313247	2.6921186	21	5 12.4	21.8
538671 2016 FZ_{28}	17.3	X	196.87115	274.39627	180.29583	4.00476	0.0374772	0.23992206	2.5650112	21	7 14.5	20.9
538672 2016 FG_{29}	16.6	X	264.47648	257.76000	31.73141	4.66491	0.0977890	0.18094034	3.0958443	21	3 4.7	21.2
538673 2016 FM_{33}	17.4	X	251.68068	59.66248	335.53168	1.46008	0.1467674	0.23922511	2.5699906	21	6 20.3	21.1
538674 2016 FB_{34}	18.7	X	305.55055	126.22561	2.61249	2.04470	0.0563414	0.31575301	2.1358515	21	—	—
538675 2016 FX_{36}	17.6	X	180.04960	30.75216	52.14975	2.60388	0.0798998	0.22610285	2.6684887	21	6 8.6	21.5
538676 2016 FU_{39}	16.9	X	141.21512	82.19974	303.47470	8.38563	0.1336455	0.18754692	3.0227073	21	2 21.3	21.6
538677 2016 FR_{40}	17.5	X	218.00003	337.25985	149.05466	5.28678	0.1656380	0.27670458	2.3323397	21	9 13.0	20.7
538678 2016 FD_{42}	18.2	X	207.47014	150.61244	66.59461	4.90503	0.1156061	0.30690545	2.1767054	21	—	—
538679 2016 FP_{43}	16.6	X	168.47615	244.12734	189.80965	25.01179	0.0606168	0.21482435	2.7610888	21	5 16.7	21.0
538680 2016 FC_{44}	18.4	X	224.18275	310.09766	157.06391	1.42638	0.1455196	0.26801602	2.3824779	21	8 25.6	21.6
538681 2016 FY_{48}	18.2	X	245.60638	173.90840	339.02686	6.52532	0.0944921	0.29917273	2.2140532	21	12 5.4	20.7
538682 2016 FE_{49}	18.5	X	301.48971	197.20074	256.22620	4.08131	0.1128836	0.30064602	2.2068141	21	12 12.7	20.0
538683 2016 FF_{49}	17.0	X	236.79499	131.32093	237.90285	4.25699	0.0727938	0.21662859	2.7457366	21	5 8.6	20.9
538684 2016 FJ_{52}	17.1	X	354.13359	5.99998	261.59427	4.88390	0.0511294	0.21990366	2.7184066	21	6 4.2	20.5
538685 2016 FG_{54}	18.3	X	175.69439	167.75804	58.91898	3.92764	0.2356356	0.28907679	2.2653079	21	12 4.6	21.9
538686 2016 FO_{55}	17.9	X	181.23831	53.94145	104.34895	5.27607	0.1739675	0.26622268	2.3931652	21	9 18.7	21.7
538687 2016 FH_{56}	16.0	X	272.13748	174.31860	101.56606	5.06376	0.1450327	0.17993632	3.1073499	21	2 19.4	20.7
538688 2016 FG_{57}	17.7	X	152.66999	321.23281	291.66720	4.96239	0.1452894	0.29363520	2.2418023	21	12 22.1	20.9
538689 2016 FN_{57}	16.8	X	231.52761	160.38815	225.57564	10.22006	0.0477402	0.22545135	2.6736270	21	5 26.8	20.5
538690 2016 FP_{59}	5.8	X	94.10612	167.59554	270.11886	4.20589	0.1599730	0.00312372	46.3469652	21	3 28.3	22.6
538691 2016 FW_{59}	6.1	X	234.45977	32.44355	290.39659	6.30308	0.0735351	0.00346753	43.2303710	21	3 28.5	22.7
538692 2016 FX_{61}	18.3	X	232.02092	281.75100	236.40484	5.28167	0.0905700	0.28823718	2.2697048	21	11 22.9	20.7
538693 2016 FN_{62}	16.0	X	255.03669	238.24936	104.13277	21.91753	0.2079971	0.17170371	3.2058972	21	4 25.9	21.5
538694 2016 FS_{62}	16.6	X	215.56149	15.76588	356.16231	10.38989	0.1302079	0.20396211	2.8582687	21	4 14.1	21.3
538695 2016 FG_{63}	16.8	X	341.82461	149.77622	88.46985	11.61477	0.0529077	0.19145609	2.9814207	21	4 15.9	20.9
538696 2016 FO_{63}	16.7	X	172.69391	318.88146	114.33468	13.74376	0.1435692	0.21471152	2.7620560	21	5 25.2	21.3
538697 2016 FW_{63}	16.9	X	146.53091	354.00952	131.17114	10.04980	0.0930564	0.22162279	2.7043306	21	6 27.5	21.0
538698 2016 FC_{64}	16.0	X	196.57728	269.97391	88.91889	13.15322	0.0766869	0.17722457	3.1389671	21	3 23.9	21.0
538699 2016 FD_{64}	16.9	X	166.20470	310.36737	191.83203	28.57525	0.1072398	0.23612311	2.5924499	21	8 5.9	21.4
538700 2016 FG_{64}	16.2	X	252.14831	320.14398	17.46707	10.52869	0.0748105	0.19110936	2.9850257	21	4 17.0	20.5
538701 2016 FJ_{64}	17.3	X	130.61486	108.31504	48.78837	12.57118	0.0868323	0.23343915	2.6122831	21	7 23.8	21.3
538702 2016 FM_{64}	17.6	X	172.97668	152.37942	320.01320	3.56860	0.1271480	0.23686764	2.5870147	21	7 10.6	21.6
538703 2016 FN_{64}	17.0	X	85.62994	264.01145	260.16269	3.27661	0.0081471	0.20910392	2.8112185	21	5 22.6	20.8
538704 2016 FO_{64}	17.2	X	63.81216	78.49734	144.31658	2.51293	0.1428027	0.22165650	2.7040563	21	7 31.9	20.6
538705 2016 FY_{64}	16.6	X	248.17217	79.50092	227.16845	8.83179	0.0629652	0.17747980	3.1359570	21	3 6.2	21.5
538706 2016 FA_{65}	16.9	X	279.27170	91.36693	215.08023	9.42613	0.0963752	0.19217939	2.9739352	21	4 6.8	21.1
538707 2016 FD_{65}	17.0	X	81.84660	265.48400	251.18519	5.29040	0.0051391	0.20258047	2.8712500	21	5 7.3	20.8
538708 2016 FG_{65}	16.8	X	276.86973	13.03245	278.17416	4.43312	0.1190859	0.18113925	3.0935776	21	3 13.6	21.5
538709 2016 FT_{65}	16.6	X	253.13267	174.20989	121.63940	13.98738	0.1268234	0.17553281	3.1591034	21	2 27.5	21.6
538710 2016 FU_{65}	17.1	X	256.51172	310.24779	86.33625	14.17419	0.1670059	0.24152237	2.5536682	21	6 24.9	20.9
538711 2016 FZ_{65}	16.7	X	292.69147	252.99373	90.90375	7.41762	0.0853312	0.22171011	2.7036204	21	6 13.5	20.3
538712 2016 FE_{66}	15.9	X	203.70342	345.00213	31.33284	15.44956	0.0829970	0.18751849	3.0230127	21	4 14.6	20.6
538713 2016 FM_{66}	16.9	X	177.20059	343.52133	130.18755	13.13169	0.0633060	0.22643112	2.6659089	21	7 15.7	20.7
538714 2016 FX_{66}	16.7	X	76.83671	277.50110	263.29625	12.42168	0.1463378	0.21759424	2.7376071	21	6 23.1	20.3
538715 2016 FA_{67}	16.7	X	136.08175	307.37060	221.87059	12.15973	0.2028342	0.23561012	2.5962116	21	8 14.8	21.2
538716 2016 FG_{67}	16.6	X	266.95024	270.00978	81.46328	10.56760	0.1283381	0.21664320	2.7456131	21	5 16.6	20.5
538717 2016 FO_{67}	17.0	X	282.29815	182.51146	135.16049	11.84908	0.0535306	0.20520236	2.8467401	21	5 5.6	21.2
538718 2016 FP_{67}	17.5	X	231.71230	216.75431	192.13768	15.29680	0.2007798	0.23895178	2.5719501	21	6 12.5	21.9
538719 2016 FW_{67}	16.5	X	258.79469	257.15140	53.03674	17.16774	0.0883135	0.18501453	3.0502270	21	3 30.6	21.2
538720 2016 FB_{68}	17.5	X	291.16240	284.25520	131.52793	14.94683	0.0387203	0.25701049	2.4500154	21	10 5.1	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538721 2016 FG_{68}	17.2	X	120.12404	90.29243	89.81767	12.24813	0.1261188	0.23606534	2.5928729	21	8 15.6	21.2
538722 2016 FM_{68}	18.1	X	84.70743	345.60256	331.26672	6.65318	0.1410285	0.29061874	2.2572880	21	—	—
538723 2016 GB	17.3	X	201.40783	348.46990	177.71202	29.76700	0.2527387	0.28051947	2.3111460	21	10 12.6	21.2
538724 2016 GA_{5}	17.5	X	94.59425	207.75378	350.16273	13.84396	0.0480770	0.24439634	2.5336089	21	7 30.9	21.0
538725 2016 GE_{5}	17.9	X	100.90113	329.18024	317.19570	4.53741	0.1626503	0.28550815	2.2841452	21	12 14.1	21.3
538726 2016 GE_{6}	16.1	X	228.65413	350.83402	325.23446	3.20086	0.1061713	0.18207389	3.0829816	21	2 24.9	21.0
538727 2016 GV_{7}	16.8	X	221.68436	69.20220	314.80816	5.39592	0.0380558	0.22079081	2.7111199	21	5 10.7	20.7
538728 2016 GJ_{8}	18.6	X	265.86702	281.61700	168.17896	5.25426	0.1903341	0.28071316	2.3100828	21	9 18.1	21.2
538729 2016 GB_{9}	18.2	X	147.33023	217.93558	47.67438	3.49215	0.1321534	0.29309378	2.2445622	21	—	—
538730 2016 GO_{9}	15.9	X	208.98179	316.13484	33.76863	12.12711	0.1166811	0.18445941	3.0563435	21	3 21.9	20.8
538731 2016 GZ_{9}	17.2	X	209.94329	236.51795	144.73268	2.63326	0.0839835	0.20516957	2.8470434	21	4 25.5	21.6
538732 2016 GJ_{10}	16.3	X	251.64652	130.13957	179.40526	10.52346	0.1049819	0.18342266	3.0678495	21	3 11.7	20.9
538733 2016 GS_{11}	16.8	X	294.03983	314.67330	343.41710	8.83443	0.0421604	0.21174265	2.7878142	21	4 18.1	20.7
538734 2016 GK_{12}	15.7	X	257.98320	250.58106	37.87260	11.79447	0.0484390	0.17899319	3.1182556	21	3 5.7	20.4
538735 2016 GC_{13}	17.2	X	322.91828	159.47779	141.20888	5.37813	0.0979586	0.21654541	2.7464396	21	5 29.4	20.6
538736 2016 GT_{13}	16.3	X	234.49335	252.58801	76.52014	5.58050	0.1324315	0.18394527	3.0620360	21	3 19.3	21.1
538737 2016 GK_{14}	16.4	X	236.24614	95.52334	220.92915	7.80872	0.1386124	0.18527523	3.0473650	21	2 27.9	21.3
538738 2016 GZ_{17}	18.2	X	282.90330	77.04592	349.83817	4.47732	0.1206309	0.27895232	2.3197939	21	9 22.4	20.8
538739 2016 GD_{18}	17.8	X	163.61470	138.37675	343.50823	0.92193	0.0995020	0.24488585	2.5302315	21	7 12.4	21.6
538740 2016 GW_{19}	16.6	X	283.30814	5.91242	259.17152	0.67833	0.1554682	0.17958482	3.1114033	21	2 15.3	21.1
538741 2016 GW_{20}	17.4	X	313.29516	63.79846	279.19621	2.30735	0.1096230	0.24214921	2.5492593	21	7 9.9	20.2
538742 2016 GX_{20}	17.8	X	273.66262	90.94021	289.38079	2.59914	0.1052033	0.24526571	2.5276183	21	7 3.7	21.1
538743 2016 GA_{21}	18.1	X	108.64129	309.24960	324.67478	3.02286	0.1623452	0.27978780	2.3151735	21	12 4.7	21.6
538744 2016 GF_{22}	18.3	X	46.64050	322.27535	350.11509	4.44863	0.1106072	0.27138448	2.3627225	21	11 6.9	21.2
538745 2016 GB_{23}	16.3	X	195.35716	182.49544	196.87120	15.08976	0.1426328	0.20380989	2.8596917	21	4 7.2	20.7
538746 2016 GD_{24}	18.0	X	32.51411	79.35664	243.88953	3.58602	0.1183884	0.26989790	2.3713903	21	11 3.8	20.6
538747 2016 GF_{24}	17.3	X	246.01291	54.14585	307.29498	4.90094	0.0495540	0.21825012	2.7321197	21	5 10.3	21.2
538748 2016 GY_{24}	16.0	X	213.61808	334.53311	348.59062	11.30432	0.1448458	0.17462370	3.1700584	21	2 21.2	21.1
538749 2016 GN_{26}	18.1	X	171.47401	207.14293	358.05544	5.59396	0.0756015	0.28446815	2.2897090	21	11 10.6	21.4
538750 2016 GX_{28}	16.6	X	231.77896	181.93195	157.14544	2.35049	0.0932013	0.19711881	2.9240447	21	3 27.2	20.9
538751 2016 GO_{30}	17.5	X	107.05649	168.63938	13.87829	7.11581	0.1184585	0.24023690	2.5627696	21	8 2.4	21.2
538752 2016 GR_{30}	17.0	X	50.17449	219.98364	10.75334	10.76609	0.0825262	0.23193634	2.6235550	21	7 16.1	20.4
538753 2016 GN_{34}	17.3	X	270.08123	48.06584	289.19018	2.50005	0.0808982	0.21402151	2.7679895	21	5 5.5	21.3
538754 2016 GG_{35}	16.2	X	10.04704	185.32708	358.64425	8.61476	0.0676037	0.18905512	3.0066099	21	3 11.8	20.0
538755 2016 GH_{35}	16.3	X	261.57170	148.41780	204.77020	9.46003	0.2173376	0.21559290	2.7545231	21	5 1.5	20.6
538756 2016 GX_{37}	18.1	X	154.47610	325.21731	201.03171	0.54454	0.1234285	0.25761051	2.4462096	21	8 31.1	21.8
538757 2016 GH_{38}	17.0	X	131.46065	301.22315	189.20687	12.08423	0.2128878	0.23447219	2.6046047	21	6 27.0	21.4
538758 2016 GG_{41}	17.7	X	58.19543	134.44526	177.53979	6.66274	0.1243079	0.27430089	2.3459454	21	11 26.9	20.8
538759 2016 GC_{42}	17.2	X	223.66207	242.64014	103.50115	2.17484	0.1711717	0.19222934	2.9734200	21	3 25.2	22.1
538760 2016 GV_{42}	16.7	X	184.01200	346.56229	20.85436	17.01625	0.1110810	0.18662066	3.0327008	21	3 19.4	21.5
538761 2016 GD_{43}	16.4	X	283.54458	251.04618	28.20186	10.50200	0.0674002	0.18909234	3.0062154	21	3 18.3	20.7
538762 2016 GR_{44}	16.7	X	244.54788	242.64901	78.74062	1.35672	0.1060108	0.18964983	3.0003212	21	3 19.0	21.1
538763 2016 GH_{49}	16.5	X	179.23947	169.54980	197.69957	9.77196	0.0588578	0.18370212	3.0647374	21	3 5.6	21.2
538764 2016 GC_{51}	17.9	X	301.22620	193.68558	208.93054	1.00140	0.0834769	0.26805469	2.3822487	21	9 21.3	20.5
538765 2016 GG_{51}	17.2	X	211.72481	155.81827	217.66538	1.27466	0.0809802	0.20370382	2.8606843	21	4 16.8	21.3
538766 2016 GG_{53}	17.3	X	22.55349	226.51950	0.33500	4.69162	0.1000400	0.21281293	2.7784593	21	5 23.8	20.6
538767 2016 GV_{53}	17.8	X	197.87749	249.72843	187.55821	2.76790	0.1645681	0.23903885	2.5713255	21	6 18.9	21.9
538768 2016 GF_{55}	17.6	X	284.24996	206.62417	121.75172	1.49984	0.0746364	0.21467498	2.7623694	21	5 14.2	21.4
538769 2016 GO_{56}	16.5	X	179.59802	349.57445	19.82768	10.89448	0.1370007	0.18330684	3.0691416	21	3 16.7	21.5
538770 2016 GW_{56}	18.3	X	139.06860	223.65845	27.66354	1.91052	0.1530889	0.28237662	2.3010014	21	12 5.1	21.8
538771 2016 GD_{57}	17.3	X	104.23271	69.44974	72.98019	1.07298	0.0142342	0.21496210	2.7599092	21	5 19.4	20.9
538772 2016 GZ_{59}	16.8	X	251.66633	320.86529	10.42126	1.88892	0.0654780	0.20344342	2.8631248	21	4 9.3	20.9
538773 2016 GW_{60}	17.4	X	220.70537	201.18286	195.61301	5.65752	0.0520699	0.22398189	2.6853080	21	5 27.9	21.2
538774 2016 GQ_{62}	17.8	X	201.85903	284.66790	147.28091	2.32745	0.0346597	0.23228553	2.6209251	21	6 20.7	21.4
538775 2016 GC_{63}	17.7	X	231.08526	246.11913	169.17639	2.72184	0.1488778	0.24321019	2.5418400	21	6 23.9	21.6
538776 2016 GG_{63}	17.2	X	219.33838	336.63362	28.65615	3.81904	0.0123431	0.20424490	2.8556298	21	4 18.3	21.0
538777 2016 GS_{66}	17.9	X	309.36289	38.75866	22.30929	6.92248	0.1105482	0.28293602	2.2979675	21	11 1.8	20.1
538778 2016 GY_{67}	17.0	X	66.24679	140.61772	48.52327	9.74440	0.0752585	0.21730316	2.7400513	21	6 7.1	20.5
538779 2016 GM_{74}	18.5	X	191.35168	106.57023	95.38632	2.35264	0.1613064	0.29044598	2.2581830	21	11 24.3	21.6
538780 2016 GQ_{75}	17.2	X	217.02104	244.44543	131.06101	2.86884	0.0618483	0.20717666	2.8286258	21	4 26.9	21.3
538781 2016 GR_{77}	17.4	X	284.83040	244.83828	84.65206	2.43454	0.0946594	0.21356620	2.7719222	21	5 13.5	21.2
538782 2016 GJ_{78}	17.0	X	200.04073	308.24627	76.11778	3.18803	0.0807012	0.20277575	2.8694062	21	4 19.3	21.3
538783 2016 GW_{78}	16.4	X	246.81208	291.30345	13.99004	7.32119	0.0870991	0.18052364	3.1006065	21	3 6.2	21.1
538784 2016 GC_{84}	16.6	X	243.42458	334.28578	44.18769	6.18200	0.0801036	0.22153277	2.7050631	21	5 27.0	20.4
538785 2016 GG_{84}	17.3	X	266.29913	208.00320	179.75254	10.12228	0.1423191	0.23954992	2.5676670	21	6 27.9	21.0
538786 2016 GV_{88}	16.5	X	235.83072	295.52708	58.33799	6.60761	0.0830289	0.20282416	2.8689496	21	4 20.1	20.7
538787 2016 GY_{92}	16.7	X	338.42534	222.44496	40.50685	15.60270	0.1079088	0.20366753	2.8610241	21	4 30.6	20.1
538788 2016 GC_{96}	18.8	X	218.20492	34.13942	155.90518	5.09259	0.0891257	0.29676996	2.2259877	21	12 20.2	21.6
538789 2016 GB_{97}	17.4	X	128.66133	106.73516	157.68889	6.89730	0.0705269	0.28382708	2.2931555	21	12 11.9	20.7
538790 2016 GE_{99}	16.7	X	223.92557	270.85582	104.10429	4.87471	0.1149208	0.20643756	2.8353732	21	5 1.6	21.1
538791 2016 GC_{100}	17.0	X	271.99989	169.81544	165.85843	3.98262	0.1059469	0.20841923	2.8173720	21	5 4.9	21.1
538792 2016 GW_{101}	16.8	X	256.53669	219.77827	182.99908	8.84040	0.2179023	0.24503687	2.5291917	21	6 26.8	20.7
538793 2016 GE_{106}	16.8	X	257.36900	295.34452	55.68389	5.10177	0.0779634	0.21019309	2.8014987	21	5 9.7	20.7
538794 2016 GY_{106}	16.6	X	214.75092	216.30620	128.56162	3.38544	0.1276312	0.18171750	3.0870113	21	3 18.3	21.4
538795 2016 GH_{109}	16.3	X	230.42791	248.02814	72.68359	4.22849	0.0831043	0.17700331	3.1415824	21	3 8.3	21.0
538796 2016 GE_{110}	17.3	X	325.77707	130.72718	125.10249	3.05425	0.0830425	0.19379263	2.9574078	21	4 7.6	21.1
538797 2016 GE_{111}	18.2	X	184.47623	19.17518	180.81871	6.71132	0.0687758	0.28312202	2.2969610	21	11 22.5	21.3
538798 2016 GM_{112}	18.0	X	120.93181	171.26663	78.87448	3.23721	0.0444466	0.27357886	2.3500712	21	11 11.4	21.2
538799 2016 GU_{113}	16.3	X	261.66014	208.43236	90.49645	2.71628	0.1439204	0.17628218	3.1501442	21	3 8.3	21.1
538800 2016 GW_{113}	16.0	X	125.90525	42.65423	42.15868	10.12305	0.1136716	0.19640447	2.9311304	21	4 18.3	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538801 2016 GY_{115}	15.9	X	180.13593	315.38967	29.81623	12.03917	0.0699864	0.16889776	3.2413066	21	2 18.5	21.0
538802 2016 GT_{118}	17.3	X	262.56801	208.81227	148.54188	6.68768	0.0890458	0.21704940	2.7421865	21	5 23.9	21.3
538803 2016 GZ_{123}	17.6	X	173.25601	106.77780	142.96532	11.61581	0.1639410	0.28967803	2.2621723	21	—	—
538804 2016 GJ_{124}	17.1	X	31.08085	116.42861	181.88499	14.75112	0.1263995	0.23485425	2.6017792	21	9 23.6	19.9
538805 2016 GV_{125}	17.0	X	327.80692	15.86947	227.67154	1.17969	0.0817275	0.18897074	3.0075049	21	3 24.6	21.0
538806 2016 GF_{129}	15.8	X	227.29943	311.92928	18.43755	11.15757	0.0535559	0.18473225	3.0533334	21	3 17.9	20.3
538807 2016 GO_{129}	16.0	X	214.75337	124.38881	201.60550	15.45073	0.0404313	0.17946253	3.1128166	21	2 21.4	20.8
538808 2016 GR_{129}	17.0	X	116.33930	119.11468	359.65091	4.71861	0.1066068	0.21319767	2.7751156	21	5 15.5	21.1
538809 2016 GH_{130}	16.5	X	167.82766	63.15172	19.14614	11.64746	0.0681991	0.21675333	2.7446831	21	5 22.1	20.7
538810 2016 GT_{133}	17.7	X	285.27638	294.13915	107.07542	2.60060	0.1782885	0.25425876	2.4676606	21	8 7.9	20.5
538811 2016 GM_{137}	16.3	X	168.88736	222.33237	164.49682	8.87086	0.0532132	0.18977937	2.9989557	21	3 19.8	20.6
538812 2016 GA_{138}	16.8	X	219.10010	286.06538	96.28289	5.10804	0.0845658	0.21180296	2.7872849	21	5 6.9	20.9
538813 2016 GK_{142}	15.6	X	287.87821	29.28855	333.25850	15.35716	0.1920580	0.24369015	2.5385013	21	6 14.3	19.3
538814 2016 GS_{144}	18.1	X	155.79080	102.46656	21.72328	13.60269	0.1040110	0.24292541	2.5438261	21	7 8.9	22.2
538815 2016 GC_{145}	17.2	X	87.01812	272.09881	295.48305	6.17092	0.1486589	0.23945172	2.5683690	21	8 11.9	20.8
538816 2016 GD_{145}	15.7	X	8.75662	301.39275	230.95511	10.46279	0.0966972	0.18481872	3.0523811	21	2 17.1	19.7
538817 2016 GE_{145}	16.3	X	51.58189	339.22216	215.94669	10.50388	0.1063893	0.21736874	2.7395001	21	5 30.2	19.6
538818 2016 GZ_{146}	18.0	X	117.05266	84.25146	164.16527	2.55600	0.1496356	0.27289043	2.3540220	21	11 10.5	21.6
538819 2016 GV_{153}	18.0	X	193.43298	155.14731	157.10528	23.71065	0.0492126	0.35831261	1.9631854	21	—	—
538820 2016 GU_{154}	16.8	X	103.86216	79.07015	104.60825	7.55421	0.1445377	0.24033916	2.5620426	21	8 1.6	20.5
538821 2016 GH_{158}	16.2	X	204.18944	328.34931	45.59710	9.22918	0.1184730	0.20138668	2.8825856	21	4 11.5	20.7
538822 2016 GH_{159}	17.6	X	200.12384	267.92007	169.55444	13.37039	0.1413484	0.23933368	2.5692133	21	6 22.2	21.9
538823 2016 GF_{165}	18.8	X	180.41421	31.97992	164.07064	1.41097	0.1206169	0.27932788	2.3177141	21	11 7.2	22.1
538824 2016 GE_{166}	17.0	X	202.26252	170.21469	234.48802	3.14196	0.1023968	0.21112331	2.7932636	21	5 15.0	21.4
538825 2016 GH_{168}	16.7	X	218.94012	248.20254	133.54123	7.35513	0.0800957	0.20638431	2.8358610	21	5 7.7	21.0
538826 2016 GZ_{173}	16.9	X	317.63744	206.62443	92.65889	5.58384	0.0419506	0.21109666	2.7934987	21	5 26.7	20.4
538827 2016 GC_{177}	17.8	X	39.99112	204.60562	81.86286	5.45792	0.1550273	0.24024991	2.5626771	21	9 29.8	20.8
538828 2016 GE_{186}	17.3	X	104.84539	55.78459	100.45033	9.23229	0.1315608	0.21956077	2.7212361	21	6 24.5	21.2
538829 2016 GK_{186}	16.8	X	28.24705	162.00479	88.44699	5.86686	0.1138799	0.22201269	2.7011633	21	7 9.3	19.8
538830 2016 GY_{189}	16.1	X	95.33338	273.11141	191.42262	8.00128	0.0846380	0.17684889	3.1434109	21	4 3.0	20.5
538831 2016 GA_{190}	16.2	X	98.48588	297.01590	183.25430	9.47476	0.0537898	0.18588269	3.0407222	21	4 22.8	20.4
538832 2016 GK_{191}	17.3	X	122.96175	56.47903	143.99447	6.11299	0.1693697	0.24283007	2.5444919	21	9 15.6	21.2
538833 2016 GV_{191}	17.5	X	114.78652	209.28605	113.02014	7.39829	0.1480007	0.28682691	2.2771386	21	—	—
538834 2016 GW_{192}	18.1	X	169.36541	121.57103	89.06684	6.58941	0.2354700	0.27213558	2.3583730	21	11 10.2	22.2
538835 2016 GL_{193}	17.8	X	144.75316	71.91524	176.62291	11.87601	0.1357863	0.27154770	2.3617756	21	12 7.1	21.6
538836 2016 GL_{203}	17.5	X	202.92232	139.63694	49.72907	6.55402	0.0452273	0.29145283	2.2529793	21	12 3.6	20.1
538837 2016 GP_{204}	16.3	X	271.38174	238.41457	39.30223	19.39828	0.1073335	0.17183347	3.2042831	21	3 6.9	21.4
538838 2016 GT_{207}	16.3	X	356.69241	148.43298	107.51728	18.60112	0.0947949	0.20417392	2.8562916	21	5 27.7	20.0
538839 2016 GX_{208}	16.5	X	214.18786	313.67536	28.09187	11.07593	0.2059471	0.18142194	3.0903631	21	3 15.2	21.8
538840 2016 GZ_{210}	17.1	X	221.76611	207.45116	194.59234	12.91999	0.2333192	0.22988876	2.6391104	21	5 25.5	21.8
538841 2016 GF_{212}	16.4	X	284.28628	261.60448	11.00179	9.37928	0.0451334	0.18545072	3.0454422	21	3 12.9	20.7
538842 2016 GJ_{214}	16.2	X	245.72420	273.92291	27.20179	10.02738	0.0841350	0.17744670	3.1363470	21	3 2.9	21.0
538843 2016 GA_{217}	17.3	X	138.28118	60.83525	79.65254	2.94159	0.1298415	0.23815067	2.5777147	21	7 11.3	21.2
538844 2016 GR_{217}	16.6	X	180.40788	285.99769	172.30092	23.51605	0.1150750	0.23315351	2.6144163	21	6 29.3	21.2
538845 2016 GH_{220}	18.2	X	139.87289	153.27174	92.16444	3.33753	0.1877797	0.28018294	2.3129962	21	11 28.7	21.9
538846 2016 GO_{225}	17.1	X	8.83858	348.22851	260.47947	4.37566	0.1091771	0.22387647	2.6861510	21	5 31.6	20.0
538847 2016 GK_{230}	18.6	X	141.21099	209.51499	40.47754	1.42625	0.0638302	0.28303070	2.2974550	21	12 6.5	21.6
538848 2016 GE_{236}	16.3	X	71.06449	35.26771	105.81256	11.14485	0.0374727	0.18090777	3.0962158	21	4 15.9	20.7
538849 2016 GU_{236}	18.3	X	159.22529	125.89900	146.23870	5.26390	0.2030847	0.28787881	2.2715881	21	—	—
538850 2016 GF_{239}	16.4	X	262.79066	234.57283	138.62973	5.84567	0.1186668	0.20363814	2.8612993	21	6 9.5	20.6
538851 2016 GL_{241}	16.6	X	259.57660	286.03631	15.58058	11.36138	0.0806140	0.17952111	3.1121393	21	3 16.7	21.3
538852 2016 GU_{245}	17.4	X	91.00969	334.85032	211.63020	5.97096	0.1266378	0.22878009	2.6476296	21	7 15.7	21.1
538853 2016 GM_{246}	15.9	X	255.13465	67.88068	228.54337	7.69811	0.0721736	0.17625379	3.1504825	21	3 1.1	20.7
538854 2016 GE_{248}	17.7	X	183.46822	144.87116	20.75273	9.32846	0.0505936	0.26545241	2.3977925	21	10 5.1	20.8
538855 2016 GU_{248}	17.5	X	258.44673	71.65721	25.74294	9.27086	0.0708218	0.27097283	2.3651148	21	10 7.9	20.3
538856 2016 GA_{249}	17.2	X	36.94195	193.44559	32.14610	6.35953	0.0177536	0.21733026	2.7398234	21	6 7.9	20.8
538857 2016 GD_{251}	17.3	X	321.86213	131.04520	168.73635	3.53745	0.0688755	0.21252335	2.7809826	21	5 29.9	20.8
538858 2016 GK_{251}	16.2	X	228.15355	245.52669	127.83580	6.86814	0.1631734	0.18866879	3.0107129	21	5 2.9	21.1
538859 2016 GO_{255}	15.9	X	286.74849	173.93159	123.98496	17.15672	0.1624714	0.17496949	3.1658804	21	4 6.2	20.8
538860 2016 GZ_{256}	17.0	X	11.91951	339.53523	234.72492	2.90507	0.0927639	0.19177202	2.9781454	21	4 21.1	20.6
538861 2016 GB_{257}	18.3	X	147.08371	354.64955	227.36880	2.75967	0.1027858	0.27424867	2.3462432	21	11 5.2	21.6
538862 2016 GF_{257}	17.8	X	112.32806	118.16692	54.19388	2.85437	0.0472119	0.23241066	2.6199843	21	7 14.6	21.4
538863 2016 GG_{257}	17.7	X	12.92951	232.00307	75.93645	3.85827	0.1946431	0.23615419	2.5922225	21	9 17.1	20.1
538864 2016 GN_{257}	17.4	X	6.30256	250.59573	75.13245	12.61959	0.0951101	0.23787163	2.5797302	21	9 26.0	20.6
538865 2016 GP_{257}	16.5	X	294.03495	209.24234	74.63365	12.87910	0.0946691	0.18926340	3.0044037	21	4 5.2	20.9
538866 2016 GT_{257}	16.3	X	23.22550	186.83288	50.94744	12.47931	0.0422331	0.20510327	2.8476569	21	6 6.3	20.0
538867 2016 GU_{257}	17.4	X	144.74855	169.75471	313.29925	2.72185	0.1117495	0.23036526	2.6354699	21	6 23.9	21.4
538868 2016 GW_{257}	17.4	X	254.47927	232.35515	144.36046	3.36906	0.0728182	0.22426392	2.6830563	21	6 9.1	21.1
538869 2016 GY_{257}	16.9	X	86.12991	300.13386	279.22592	6.54547	0.0790155	0.23952154	2.5678698	21	8 15.4	20.3
538870 2016 GA_{258}	17.3	X	207.11372	306.19206	149.07262	13.86427	0.1190346	0.23782549	2.5800638	21	7 22.4	21.4
538871 2016 GB_{258}	17.7	X	69.07016	227.45693	97.19145	7.15672	0.1106532	0.26923464	2.3752834	21	12 22.4	20.7
538872 2016 GG_{258}	16.4	X	217.38450	0.67328	48.27856	9.62069	0.2028499	0.21636807	2.7479401	21	5 29.8	21.0
538873 2016 GP_{258}	16.5	X	186.77800	320.77857	51.41459	15.04690	0.0649177	0.17803125	3.1294779	21	3 29.5	21.4
538874 2016 GR_{258}	17.4	X	233.99247	193.14271	202.90029	5.52300	0.0303415	0.21806598	2.7336576	21	6 14.2	21.3
538875 2016 GS_{258}	16.3	X	241.90960	209.93139	116.88039	17.99668	0.1805973	0.18159598	3.0883883	21	3 24.5	21.6
538876 2016 GT_{258}	16.9	X	357.05930	217.43449	96.60713	14.59967	0.1552696	0.22399458	2.6852066	21	8 20.5	19.8
538877 2016 GW_{258}	16.2	X	289.38481	204.22711	86.08870	10.85795	0.0317463	0.17894954	3.1187626	21	4 16.1	20.7
538878 2016 GX_{258}	16.3	X	337.58243	155.31857	82.22970	10.69428	0.0223686	0.17756496	3.1349542	21	4 13.1	20.8
538879 2016 GY_{258}	16.4	X	204.95707	289.30647	94.09162	11.39975	0.0871466	0.18048716	3.1010244	21	4 28.4	21.3
538880 2016 GA_{259}	17.4	X	197.41966	343.26933	153.51520	11.14894	0.0659100	0.24364324	2.5388272	21	9 10.3	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538881 2016 GJ_{259}	16.7	X	330.07292	192.56045	54.01431	7.55837	0.0482125	0.18885809	3.0087007	21	4 7.9	20.7
538882 2016 GQ_{259}	16.1	X	113.61789	167.73198	285.49795	8.33758	0.0473420	0.18934582	3.0035318	21	3 31.3	20.5
538883 2016 GY_{259}	17.5	X	153.71046	267.55042	197.58975	8.75519	0.1228600	0.21897913	2.7260526	21	6 11.5	21.8
538884 2016 GC_{260}	16.0	X	224.71273	233.01723	111.01077	10.82554	0.1192781	0.17241896	3.1970251	21	3 31.7	21.2
538885 2016 GD_{260}	16.8	X	264.86302	134.35682	211.27087	3.45571	0.1091323	0.21028849	2.8006513	21	5 7.7	20.7
538886 2016 GE_{260}	16.8	X	335.88030	256.96441	117.09938	13.01484	0.1736522	0.23893498	2.5720707	21	10 11.6	19.4
538887 2016 GG_{260}	17.2	X	99.22626	333.72973	202.50331	3.29327	0.0534190	0.22132016	2.7067952	21	7 2.6	20.9
538888 2016 GK_{260}	16.5	X	216.18429	159.80433	203.89720	9.56588	0.1174107	0.19247886	2.9708497	21	4 8.9	21.1
538889 2016 GT_{260}	16.1	X	62.38237	76.45415	74.54022	10.93495	0.0541958	0.18889526	3.0083059	21	4 17.2	20.2
538890 2016 GY_{260}	17.1	X	323.34874	227.68472	117.63518	10.58408	0.0510876	0.22522926	2.6753843	21	8 5.9	20.3
538891 2016 GO_{261}	16.5	X	183.09300	214.19372	156.66261	15.61749	0.0963730	0.17771818	3.1331520	21	3 20.0	21.4
538892 2016 GR_{261}	16.6	X	269.49919	206.19699	99.45533	12.02282	0.1392628	0.18215992	3.0820108	21	3 28.9	21.4
538893 2016 GW_{261}	16.4	X	0.24087	134.40106	72.97840	11.22168	0.0209846	0.18360586	3.0658085	21	4 4.7	20.8
538894 2016 GM_{262}	17.4	X	87.28655	161.51442	34.49963	15.24264	0.0360439	0.23836258	2.5761867	21	7 13.9	21.1
538895 2016 GZ_{262}	16.5	X	180.91759	321.08857	36.40512	9.22263	0.0804854	0.17100317	3.2146469	21	3 4.6	21.5
538896 2016 GD_{263}	18.2	X	180.07915	23.25017	107.58053	6.15770	0.0848680	0.24408855	2.5357384	21	8 12.6	21.9
538897 2016 GF_{263}	16.0	X	200.15861	303.08414	71.82481	27.73441	0.2051362	0.17305880	3.1891401	21	4 21.8	21.8
538898 2016 GJ_{263}	16.7	X	278.16124	311.21733	70.56635	22.82620	0.0175535	0.22831947	2.6511894	21	7 29.2	20.6
538899 2016 GO_{263}	16.4	X	209.03371	199.63604	154.24218	13.04153	0.1417596	0.18462283	3.0545397	21	3 24.2	21.4
538900 2016 GR_{263}	16.6	X	230.66668	270.27524	97.49776	11.15077	0.0757784	0.19142557	2.9817376	21	5 5.7	21.2
538901 2016 GY_{263}	16.6	X	184.74004	334.58161	35.76312	10.38112	0.1362309	0.17983139	3.1085585	21	3 23.5	21.6
538902 2016 GJ_{264}	16.8	X	283.08981	239.45900	66.97519	11.15970	0.0812077	0.19033361	2.9931310	21	4 19.1	21.1
538903 2016 GN_{264}	16.3	X	194.86461	158.70852	195.97116	8.01823	0.0763905	0.17053697	3.2205029	21	3 9.6	21.2
538904 2016 GO_{264}	16.8	X	262.19665	283.26197	49.75551	10.95987	0.0961564	0.19268240	2.9687572	21	4 23.2	21.2
538905 2016 GV_{264}	16.7	X	197.30311	170.64157	210.62141	11.06486	0.1237470	0.18784617	3.0194962	21	4 11.9	21.5
538906 2016 GK_{265}	17.6	X	117.51147	85.07161	84.10958	15.19109	0.0339586	0.23394462	2.6085190	21	7 15.3	21.2
538907 2016 GM_{265}	17.3	X	341.41192	239.60949	94.44078	15.44078	0.1422503	0.24004333	2.5641472	21	8 20.5	20.1
538908 2016 GR_{265}	16.8	X	263.00198	199.33538	134.48889	16.01914	0.0918153	0.18828532	3.0147993	21	4 30.4	21.5
538909 2016 GK_{266}	17.1	X	117.20704	7.61786	143.65320	14.00105	0.1316696	0.21248873	2.7812847	21	7 2.5	21.4
538910 2016 GR_{266}	17.9	X	184.27586	241.61169	228.57925	6.28666	0.1280865	0.23849271	2.5752495	21	7 17.3	21.9
538911 2016 GX_{266}	16.9	X	275.70673	278.01672	5.88912	2.01253	0.0837127	0.17546872	3.1598726	21	3 11.2	21.4
538912 2016 GZ_{266}	17.8	X	40.54256	315.88794	344.55522	4.25901	0.1662507	0.24408270	2.5357789	21	10 17.4	20.8
538913 2016 GW_{267}	16.3	X	192.98224	287.21823	95.97072	11.42465	0.0817702	0.17320176	3.1873849	21	4 17.3	21.4
538914 2016 GB_{268}	17.1	X	294.60043	166.47643	125.66475	2.21776	0.0861605	0.18991637	2.9975132	21	4 11.7	21.2
538915 2016 GC_{268}	18.6	X	101.26935	7.17030	30.38659	20.62051	0.0812139	0.35124477	1.9894337	21	—	—
538916 2016 HC_{5}	16.1	X	317.63886	227.54401	40.88451	18.29375	0.1567993	0.18832970	3.0143257	21	4 7.2	20.1
538917 2016 HK_{6}	17.7	X	170.89053	163.22029	90.54669	5.57846	0.1852564	0.29603221	2.2296844	21	—	—
538918 2016 HF_{7}	16.5	X	266.79001	157.92609	206.13614	5.77384	0.0901703	0.21425291	2.7659961	21	6 5.7	20.3
538919 2016 HD_{8}	15.7	X	275.73480	215.28246	67.37970	17.63663	0.0657249	0.19663593	2.9288298	21	3 19.1	20.3
538920 2016 HG_{8}	17.9	X	162.68555	188.49341	34.40141	5.50549	0.1791568	0.27850656	2.3222685	21	11 19.7	21.6
538921 2016 HQ_{8}	17.0	X	138.00862	68.00631	50.07861	10.85604	0.1092081	0.21494107	2.7600892	21	6 8.9	21.2
538922 2016 HK_{9}	18.6	X	207.97124	97.61901	138.58801	3.73978	0.0886463	0.30785614	2.1722218	21	—	—
538923 2016 HX_{9}	17.8	X	253.21605	3.39774	78.53340	8.57272	0.0685922	0.25588725	2.4571799	21	9 11.2	21.1
538924 2016 HO_{12}	18.6	X	205.36997	176.47147	38.01472	1.67160	0.1890611	0.29816136	2.2190571	21	12 23.3	21.4
538925 2016 HG_{13}	17.8	X	152.68731	314.66328	221.41364	1.27270	0.1390946	0.25458520	2.4655507	21	9 10.8	21.7
538926 2016 HF_{18}	18.4	X	190.48972	201.48740	34.08246	6.06431	0.1319548	0.29868405	2.2164675	21	—	—
538927 2016 HG_{18}	16.4	X	261.44494	277.66309	39.76840	11.32497	0.1001837	0.18727396	3.0256437	21	4 4.5	21.0
538928 2016 HV_{19}	16.8	X	94.49077	244.33312	324.52969	3.85685	0.1927041	0.23854755	2.5748548	21	8 28.8	20.5
538929 2016 HW_{20}	16.4	X	340.20285	233.10989	359.91408	2.11032	0.1452524	0.18586906	3.0408709	21	3 22.3	20.1
538930 2016 HW_{24}	17.8	X	89.68290	74.68832	198.77293	8.79427	0.0743469	0.25799008	2.4438096	21	11 5.2	21.0
538931 2016 HX_{24}	17.2	X	332.81142	263.42502	58.77049	8.18650	0.1955113	0.21716389	2.7412226	21	7 4.0	20.1
538932 2016 HY_{24}	16.9	X	61.00877	133.47408	56.15304	13.36741	0.0238717	0.20356663	2.8619694	21	5 25.2	20.8
538933 2016 HB_{25}	17.5	X	133.49070	121.82952	119.03185	12.97565	0.1128385	0.27396460	2.3478648	21	11 19.6	21.2
538934 2016 HQ_{25}	18.2	X	3.88605	236.41707	178.22733	3.63054	0.0248475	0.29372075	2.2413669	21	—	—
538935 2016 HY_{25}	16.3	X	242.51329	278.80728	58.17269	9.85947	0.1071705	0.18457223	3.0550980	21	4 8.3	21.0
538936 2016 JJ_{2}	16.4	X	319.43809	110.43202	148.20994	9.96713	0.1710356	0.18429694	3.0581396	21	3 22.9	20.4
538937 2016 JC_{5}	15.9	X	279.48687	172.65476	177.70716	16.07191	0.2554761	0.19010760	2.9955028	21	5 15.3	20.6
538938 2016 JS_{6}	16.5	X	32.74564	301.07684	223.62175	15.32803	0.0657310	0.18406955	3.0606576	21	3 15.7	20.8
538939 2016 JY_{6}	16.7	X	115.69602	234.13308	46.23181	24.60540	0.1885991	0.27576117	2.3376562	21	12 15.6	20.8
538940 2016 JQ_{9}	17.0	X	222.57434	233.43837	211.20381	21.06455	0.0458943	0.23459817	2.6036722	21	7 26.9	21.1
538941 2016 JQ_{12}	16.5	X	163.18252	323.62954	143.37527	23.09402	0.0742475	0.22194222	2.7017351	21	6 23.9	20.9
538942 2016 JW_{12}	16.4	X	338.05854	251.39486	52.65698	16.11502	0.1685329	0.23859727	2.5744971	21	6 17.5	19.1
538943 2016 JZ_{12}	16.7	X	70.40742	83.49215	118.32621	13.22396	0.1114325	0.22274843	2.6952121	21	7 7.5	20.1
538944 2016 JD_{13}	18.2	X	207.60334	140.05218	87.18320	5.57250	0.1499827	0.30018848	2.2090559	21	—	—
538945 2016 JF_{13}	16.9	X	17.47875	209.02375	82.73687	9.12560	0.2627659	0.22020792	2.7159020	21	9 13.4	19.6
538946 2016 JK_{13}	16.4	X	62.56193	78.00852	110.64488	17.84423	0.1138366	0.20636394	2.8360475	21	6 11.1	20.2
538947 2016 JV_{14}	17.0	X	127.17036	76.72401	123.48791	13.59436	0.1143029	0.24516949	2.5282796	21	9 19.4	20.9
538948 2016 JO_{15}	17.6	X	127.93728	15.21258	215.12176	4.28387	0.1423273	0.25952767	2.4341478	21	10 26.6	21.2
538949 2016 JE_{16}	16.2	X	266.23611	270.07747	50.17267	12.03060	0.0636131	0.18715255	3.0269522	21	4 17.6	20.5
538950 2016 JK_{19}	16.8	X	9.51299	63.84553	152.12948	10.61197	0.0885805	0.19306549	2.9648287	21	4 23.8	20.6
538951 2016 JA_{20}	17.9	X	96.81936	74.94141	194.16110	2.73798	0.1874925	0.25869457	2.4393709	21	11 17.5	21.7
538952 2016 JD_{20}	17.1	X	213.30192	177.29798	195.79387	3.00904	0.0620445	0.18981615	2.9985683	21	4 20.3	21.5
538953 2016 JD_{21}	18.3	X	181.20057	116.43123	77.81501	2.35886	0.1310976	0.27479887	2.3431104	21	11 4.6	21.6
538954 2016 JX_{22}	18.0	X	154.47588	186.91044	67.73679	4.16770	0.1132376	0.28343647	2.2952618	21	12 25.6	21.2
538955 2016 JJ_{23}	16.6	X	344.21655	22.47117	210.24938	16.17406	0.0525030	0.18528938	3.0472099	21	4 5.6	20.8
538956 2016 JX_{23}	18.5	X	174.48308	140.41222	73.46677	10.09199	0.1485791	0.27960475	2.3161838	21	11 22.6	21.8
538957 2016 JW_{24}	17.0	X	157.50425	20.66546	262.22482	4.66327	0.2189384	0.27367601	2.3495150	21	—	—
538958 2016 JO_{25}	15.9	X	151.73359	15.45850	45.73896	13.03926	0.0577975	0.18081026	3.0973290	21	4 15.2	20.5
538959 2016 JF_{26}	16.9	X	134.22943	100.15914	59.33133	29.09827	0.1411443	0.23622264	2.5917217	21	8 10.9	21.5
538960 2016 JJ_{27}	17.2	X	8.65511	142.06304	119.54952	5.47652	0.0200204	0.21319806	2.7751122	21	6 18.4	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
538961 2016 JL_{28}	17.4	X	145.10961	149.57487	109.82843	21.77202	0.2296758	0.28242760	2.3007245	21	12 21.2	21.5
538962 2016 JP_{29}	17.7	X	148.87221	227.62841	17.42585	9.73249	0.2080158	0.27906081	2.3191926	21	12 3.2	21.6
538963 2016 JT_{29}	17.5	X	167.23656	246.45072	42.71514	6.31834	0.1865029	0.30593884	2.1812878	21	—	—
538964 2016 JV_{29}	17.4	X	213.95533	292.69724	235.12859	22.15504	0.2744073	0.28766543	2.2727113	21	10 19.8	21.3
538965 2016 JQ_{32}	16.4	X	73.48761	183.81542	93.48694	16.95370	0.2341363	0.24091676	2.5579460	21	11 12.9	20.5
538966 2016 JY_{34}	15.8	X	293.09000	167.44373	97.78324	19.18752	0.2009580	0.17287562	3.1913924	21	2 27.4	20.8
538967 2016 JP_{35}	18.1	X	175.12639	199.45687	63.63354	7.94745	0.2756422	0.29383427	2.2407896	21	—	—
538968 2016 JR_{35}	17.4	X	120.09535	251.41090	55.85032	11.30618	0.1213818	0.28767176	2.2726779	21	—	—
538969 2016 JX_{35}	18.4	X	198.78900	179.88296	69.38484	5.80555	0.1388697	0.30324409	2.1941913	21	—	—
538970 2016 JG_{40}	16.3	X	264.70071	185.81704	145.69636	17.90594	0.1358820	0.17465755	3.1696488	21	4 24.9	21.3
538971 2016 JN_{40}	16.6	X	43.14533	92.35633	94.70751	10.82786	0.0955774	0.19141169	2.9818817	21	5 9.4	20.4
538972 2016 JR_{40}	15.7	X	339.16043	331.76910	333.54317	10.77257	0.1256660	0.18209019	3.0827976	21	6 30.3	19.5
538973 2016 JW_{40}	16.6	X	307.60869	245.02143	104.90505	7.87626	0.0460951	0.21670347	2.7451040	21	7 19.5	20.1
538974 2016 JY_{40}	17.7	X	98.75810	83.46673	164.69625	2.48895	0.1083856	0.24599564	2.5226158	21	10 15.7	21.2
538975 2016 JH_{41}	17.0	X	305.02811	337.72319	320.21167	2.32432	0.1051077	0.19276062	2.9679540	21	4 27.7	20.9
538976 2016 JM_{41}	18.2	X	123.39158	82.44695	173.52883	3.49277	0.0848693	0.26975056	2.3722538	21	11 23.3	21.5
538977 2016 JY_{41}	16.2	X	39.64225	90.29405	91.30162	17.45960	0.0529462	0.18629859	3.0361951	21	4 28.4	20.5
538978 2016 JC_{42}	17.3	X	25.96339	163.98357	157.72565	15.23379	0.1199368	0.23613352	2.5923738	21	10 21.9	20.6
538979 2016 KE	19.5	X	237.24270	79.63319	111.82279	22.74059	0.4292995	0.30223608	2.1990673	21	12 3.2	22.9
538980 2016 KW_{4}	16.4	X	275.44741	182.28890	111.18524	13.44395	0.0709733	0.16857226	3.2454778	21	3 30.8	21.3
538981 2016 KB_{5}	17.5	X	322.59808	157.69506	177.79235	5.21691	0.0829351	0.21300540	2.7767854	21	7 16.5	20.9
538982 2016 KC_{5}	16.3	X	348.10081	172.81920	148.64262	16.05525	0.1460996	0.20185056	2.8781676	21	8 5.9	19.4
538983 2016 KO_{5}	16.6	X	15.01459	131.50532	166.63981	15.29038	0.1475639	0.20352217	2.8623862	21	8 24.3	19.7
538984 2016 KD_{6}	18.0	X	136.87108	69.68523	196.63932	4.26312	0.2149213	0.27512036	2.3412847	21	12 20.4	22.0
538985 2016 KV_{6}	17.8	X	320.53774	225.12316	214.03400	5.52340	0.0940745	0.27793475	2.3254525	21	12 19.8	20.2
538986 2016 KZ_{6}	17.2	X	102.61714	99.17089	97.27242	7.05896	0.0801228	0.22535495	2.6743894	21	8 9.0	20.9
538987 2016 KA_{7}	17.2	X	84.79787	99.04648	103.27204	5.59129	0.0932056	0.21908921	2.7251394	21	7 25.6	20.7
538988 2016 KC_{7}	16.1	X	225.70780	232.65166	115.06158	8.85800	0.0553627	0.17331868	3.1859513	21	4 8.7	20.9
538989 2016 KG_{7}	16.3	X	149.08816	338.34038	103.56491	10.67987	0.0859223	0.18716907	3.0267739	21	5 10.3	21.0
538990 2016 KK_{7}	17.5	X	299.90046	270.64810	110.66329	9.62437	0.0904173	0.23065349	2.6332739	21	8 16.9	20.7
538991 2016 KM_{7}	18.0	X	187.09620	73.69835	194.76495	8.12805	0.0848907	0.30336255	2.1936201	21	—	—
538992 2016 KO_{7}	17.9	X	115.35820	76.90941	207.25395	9.23883	0.1210763	0.27081506	2.3660332	21	12 20.9	21.6
538993 2016 KT_{7}	15.9	X	141.13600	230.35632	215.95750	9.02347	0.0458964	0.18420040	3.0592080	21	4 29.7	20.2
538994 2016 KW_{8}	17.7	X	164.15574	167.65596	123.46236	7.00989	0.1585332	0.29743194	2.2226836	21	—	—
538995 2016 KF_{9}	16.7	X	86.56208	200.68378	95.68367	15.68017	0.1411221	0.25799461	2.4437811	21	12 8.4	20.4
538996 2016 KO_{9}	16.2	X	19.64428	124.05578	96.73078	11.10886	0.0310726	0.18949723	3.0019317	21	5 14.8	20.4
538997 2016 KV_{9}	16.3	X	258.95561	241.38923	87.98680	11.27746	0.0794263	0.17992805	3.1074451	21	4 21.3	21.0
538998 2016 KY_{9}	17.9	X	320.54128	269.10120	171.87178	4.61259	0.1138736	0.27860202	2.3217380	21	12 23.4	20.0
538999 2016 KZ_{9}	17.6	X	300.22109	235.43268	130.13458	5.57531	0.0833205	0.21940469	2.7225265	21	7 24.6	21.1
539000 2016 KD_{10}	16.8	X	243.70073	217.26109	167.11192	6.35232	0.0786888	0.20155687	2.8809627	21	6 6.5	21.0
539001 2016 KE_{10}	17.6	X	167.97484	135.31982	93.67675	7.40424	0.2641532	0.27685368	2.3315023	21	11 29.7	21.7
539002 2016 LX_{3}	16.8	X	43.36448	162.45374	170.84017	6.49521	0.2944810	0.24408993	2.5357288	21	12 23.2	20.5
539003 2016 LT_{11}	16.3	X	50.69136	178.51417	107.38288	35.15483	0.1957771	0.23423359	2.6063732	21	11 5.4	20.7
539004 2016 LH_{12}	18.2	X	139.45279	127.00825	150.98016	4.05383	0.1088497	0.28053595	2.3110555	21	—	—
539005 2016 LN_{12}	16.5	X	245.47023	294.68218	105.95509	6.57479	0.0481340	0.21236865	2.7823330	21	7 2.7	20.4
539006 2016 LS_{12}	17.6	X	214.97524	55.15992	108.53622	7.65501	0.1532431	0.27233900	2.3571985	21	11 1.4	21.1
539007 2016 LL_{22}	16.2	X	303.69951	182.31779	88.56269	16.73064	0.1077358	0.17465973	3.1696224	21	4 3.7	20.9
539008 2016 LB_{29}	16.4	X	98.80313	297.23549	180.52793	9.18557	0.0658499	0.17897194	3.1185025	21	4 22.6	20.8
539009 2016 LP_{36}	16.7	X	261.17088	223.58192	101.74942	10.15694	0.0418000	0.18131483	3.0915800	21	4 22.9	21.3
539010 2016 LQ_{36}	17.6	X	2.22173	158.19355	149.58128	5.28369	0.1058923	0.22222957	2.6994056	21	8 14.3	20.4
539011 2016 LQ_{38}	17.0	X	218.15603	227.66945	181.02474	5.32274	0.0415916	0.20078683	2.8883240	21	6 10.8	21.2
539012 2016 LR_{40}	16.1	X	337.43105	111.94547	124.79067	11.79084	0.0435028	0.17384093	3.1795673	21	4 10.3	20.6
539013 2016 LA_{50}	16.3	X	285.84840	252.37905	115.08938	18.59195	0.0798936	0.21058889	2.7979874	21	7 7.1	20.0
539014 2016 LX_{55}	17.0	X	93.40902	312.34488	318.15468	10.59565	0.1737040	0.23024776	2.6363664	21	11 6.7	21.3
539015 2016 LJ_{56}	16.9	X	45.63222	263.85459	17.78193	10.95991	0.2221520	0.21437719	2.7649269	21	10 6.5	20.3
539016 2016 LK_{56}	17.2	X	50.26237	341.83912	17.37580	6.80497	0.0810286	0.25202056	2.4822493	21	—	—
539017 2016 LM_{56}	15.5	X	273.07738	89.52220	272.18514	14.05238	0.1130067	0.17489233	3.1668115	21	6 8.3	20.0
539018 2016 LP_{56}	16.5	X	240.20588	210.19815	196.80996	8.36379	0.0493967	0.17853025	3.1236438	21	7 3.4	21.2
539019 2016 LV_{56}	17.6	X	83.58591	105.56579	180.50465	14.29296	0.1165980	0.23469985	2.6029201	21	11 17.1	21.5
539020 2016 LX_{56}	16.8	X	350.00471	21.56232	224.20068	8.93383	0.0793329	0.18591503	3.0403696	21	4 29.9	20.6
539021 2016 LY_{56}	17.0	X	356.76866	82.53255	231.56058	9.96866	0.0167912	0.20053386	2.8907525	21	8 7.1	21.1
539022 2016 LK_{57}	16.4	X	262.57805	140.53701	270.23978	8.95089	0.1167955	0.18981557	2.9985743	21	7 25.7	20.7
539023 2016 LM_{57}	16.8	X	2.27963	212.71539	128.70279	14.62105	0.2139625	0.22730774	2.6590504	21	10 21.1	19.6
539024 2016 LO_{57}	17.8	X	91.02437	144.25353	131.04336	8.63015	0.0581092	0.25475872	2.4644311	21	11 9.2	21.3
539025 2016 LT_{57}	17.5	X	120.16589	207.11867	104.57569	7.54131	0.1337860	0.26719761	2.3873404	21	—	—
539026 2016 LW_{57}	17.2	X	91.73519	274.18340	342.94120	11.36655	0.1106914	0.22798368	2.6537920	21	10 12.2	21.2
539027 2016 LN_{58}	17.0	X	195.20169	314.77645	168.04153	12.89919	0.0491925	0.19676383	2.9275605	21	8 15.8	21.3
539028 2016 LP_{58}	15.8	X	135.04668	308.55405	267.91925	25.08420	0.1491931	0.22432095	2.6826015	21	10 2.1	20.7
539029 2016 LR_{58}	17.8	X	111.03942	129.36623	178.27696	6.66248	0.1188098	0.25858671	2.4400492	21	—	—
539030 2016 LS_{58}	17.3	X	80.24739	113.32963	192.57167	10.42384	0.0831514	0.23958513	2.5674154	21	12 3.7	21.0
539031 2016 LU_{58}	16.9	X	181.68811	291.68617	266.53862	12.29286	0.1334885	0.23960965	2.5672402	21	11 2.2	21.0
539032 2016 LX_{58}	16.3	X	286.21254	56.11055	303.39056	11.05751	0.1041759	0.17671079	3.1450484	21	6 24.1	20.8
539033 2016 LY_{58}	16.5	X	179.31555	298.84589	219.53875	11.30046	0.0687854	0.21297873	2.7770171	21	9 9.9	20.8
539034 2016 LB_{59}	16.8	X	356.97537	151.62302	203.62418	10.54145	0.0051150	0.22014339	2.7164327	21	10 5.4	20.4
539035 2016 LC_{59}	17.0	X	130.27690	97.89278	150.70507	11.19643	0.0578713	0.23861910	2.5743400	21	11 18.3	20.9
539036 2016 LE_{59}	16.8	X	138.03965	158.48938	109.83840	7.39879	0.1323223	0.25530011	2.4609458	21	12 21.5	20.7
539037 2016 LG_{59}	17.6	X	103.75948	68.47566	198.40634	4.21326	0.0581699	0.25665664	2.4522667	21	11 11.1	21.0
539038 2016 LK_{59}	17.1	X	36.95165	309.77303	37.93113	9.67709	0.1324032	0.23590725	2.5940312	21	12 7.6	20.5
539039 2016 LT_{59}	16.1	X	69.23013	333.49181	206.15726	16.26287	0.1449405	0.17492679	3.1663955	21	6 11.8	20.6
539040 2016 LY_{59}	17.5	X	342.42488	210.79766	159.67898	4.54454	0.1275301	0.23928714	2.5695465	21	10 13.4	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
539041 2016 LU_{60}	17.3	X	165.71533	291.73414	221.08393	10.95894	0.1865070	0.23881468	2.5729343	21	8 20.2	21.8
539042 2016 LE_{61}	17.4	X	75.59901	30.86755	241.25511	10.49538	0.0514240	0.22279382	2.6948460	21	10 4.4	21.2
539043 2016 LM_{61}	17.3	X	67.67475	23.57199	233.80290	7.27798	0.1731242	0.21503081	2.7593212	21	9 22.8	21.3
539044 2016 LO_{61}	17.2	X	116.03437	13.67717	272.08138	13.81946	0.1023755	0.25266488	2.4780276	21	12 20.2	20.9
539045 2016 LG_{62}	17.0	X	323.87981	223.37264	174.11756	9.40754	0.1718898	0.21361952	2.7714610	21	10 10.1	19.8
539046 2016 LW_{62}	16.7	X	90.47022	7.03402	278.42384	13.35132	0.0816128	0.23330325	2.6132975	21	11 15.4	20.6
539047 2016 LQ_{63}	17.6	X	58.24536	135.34766	197.94371	21.74524	0.0319719	0.23400952	2.6080367	21	12 3.3	21.5
539048 2016 LZ_{63}	17.3	X	358.74209	141.61313	248.40487	8.78765	0.0569842	0.24308803	2.5426915	21	12 1.3	20.4
539049 2016 LF_{64}	17.3	X	172.41397	75.89403	121.17163	13.07407	0.1043130	0.24206575	2.5498452	21	11 1.6	21.4
539050 2016 LL_{64}	16.8	X	138.49955	273.16080	271.15191	11.00975	0.0480022	0.21345391	2.7728942	21	8 25.5	21.0
539051 2016 LW_{64}	17.4	X	164.85947	72.37900	139.42574	7.67781	0.1901388	0.26663983	2.3906686	21	11 9.7	21.4
539052 2016 LA_{65}	18.2	X	184.07977	352.62267	243.76326	1.40333	0.1371659	0.28728430	2.2747209	21	—	—
539053 2016 LC_{65}	17.4	X	150.53745	33.75206	198.92190	1.04014	0.1447483	0.26818886	2.3814541	21	11 21.2	21.2
539054 2016 LF_{65}	16.4	X	307.52358	275.76019	83.20122	7.16101	0.0326431	0.22262045	2.6962449	21	8 4.2	19.9
539055 2016 LR_{65}	17.3	X	249.90996	81.61299	74.06667	7.14797	0.0350941	0.27934155	2.3176385	21	12 21.0	20.1
539056 2016 LS_{65}	18.4	X	236.36826	339.80487	238.02396	3.36111	0.1076483	0.30642848	2.1789636	21	—	—
539057 2016 LT_{65}	16.7	X	322.47004	264.87723	72.63956	6.12819	0.0282681	0.21818496	2.7326636	21	7 27.1	20.2
539058 2016 LB_{66}	18.1	X	206.85328	328.11551	271.20578	2.04754	0.1220732	0.29984127	2.2107609	21	—	—
539059 2016 LG_{67}	16.8	X	313.25016	188.00609	188.23795	11.50109	0.0806712	0.22954620	2.6417353	21	8 27.6	20.1
539060 2016 LR_{67}	16.5	X	277.74021	186.35153	199.53386	5.89907	0.0500100	0.22291072	2.6939038	21	7 23.9	20.2
539061 2016 LQ_{68}	18.4	X	126.30874	198.01209	129.39981	5.48988	0.0219781	0.30485991	2.1864313	21	—	—
539062 2016 MQ	18.1	X	139.35811	205.78319	124.52489	2.10003	0.3726015	0.27478817	2.3431712	21	—	—
539063 2016 MK_{1}	19.1	X	171.42260	240.67042	178.32288	10.77842	0.7157841	0.53615358	1.5006402	21	5 12.6	22.4
539064 2016 MP_{1}	17.6	X	195.35988	69.98309	116.66029	7.52126	0.0608709	0.27495529	2.3422217	21	11 18.5	20.8
539065 2016 MC_{2}	16.8	X	299.05157	310.69968	87.36007	12.05435	0.1280379	0.24435351	2.5339050	21	9 9.1	19.9
539066 2016 MG_{2}	17.5	X	246.09080	296.58324	232.42224	5.38911	0.1939325	0.29324092	2.2438113	21	12 12.3	19.7
539067 2016 MA_{3}	16.8	X	47.94145	157.35464	135.27514	16.70053	0.2630019	0.22363063	2.6881192	21	11 6.2	20.8
539068 2016 MV_{3}	16.7	X	116.40701	325.06699	289.03131	12.09564	0.1464746	0.22557101	2.6726814	21	11 6.8	21.1
539069 2016 MY_{3}	16.1	X	21.01574	326.37601	327.79360	9.88406	0.0967698	0.18908726	3.0062692	21	8 23.9	19.9
539070 2016 MR_{4}	16.7	X	251.96064	240.00766	163.88902	16.20111	0.0798897	0.18681898	3.0305542	21	7 9.9	21.3
539071 2016 NC_{2}	18.2	X	175.42191	164.36368	143.34409	8.05669	0.2380968	0.29789657	2.2203719	21	—	—
539072 2016 NC_{5}	18.0	X	187.82999	55.55887	172.12406	2.15057	0.1250800	0.26832581	2.3806438	21	12 22.8	21.3
539073 2016 NH_{5}	16.9	X	72.71732	55.36022	281.59038	3.76953	0.2290024	0.25138588	2.4864256	21	—	—
539074 2016 NQ_{5}	17.8	X	158.42411	82.32582	158.92717	1.88790	0.1457617	0.25553661	2.4594271	21	12 7.4	21.6
539075 2016 NJ_{8}	16.9	X	262.92145	233.46752	282.31638	5.42669	0.0562620	0.26435138	2.4044458	21	—	—
539076 2016 NS_{8}	16.2	X	11.19727	214.44294	117.88933	22.48161	0.2091551	0.21107266	2.7937105	21	10 26.6	19.8
539077 2016 NT_{8}	17.2	X	51.80529	236.89933	109.66478	13.91202	0.2849223	0.23686008	2.5870697	21	—	—
539078 2016 NK_{9}	17.0	X	329.87350	254.26355	109.31933	5.68263	0.0850961	0.21281154	2.7784714	21	9 9.1	20.3
539079 2016 NU_{10}	17.7	X	58.05688	131.80192	221.21819	3.57322	0.1794335	0.25163242	2.4848012	21	—	—
539080 2016 NW_{12}	17.0	X	332.64667	176.92589	234.95240	6.73048	0.1177163	0.23676327	2.5877749	21	11 21.6	19.8
539081 2016 NA_{13}	18.1	X	224.28763	53.46925	199.47674	5.14163	0.0794538	0.30003477	2.2098103	21	—	—
539082 2016 NF_{16}	15.7	X	354.17914	337.17959	304.64690	34.56591	0.1221561	0.17015126	3.2253680	21	7 1.4	20.0
539083 2016 NC_{17}	17.9	X	149.32437	165.33770	127.37521	6.07246	0.2278220	0.27681721	2.3317071	21	—	—
539084 2016 NH_{18}	17.0	X	126.94717	342.31484	297.79118	7.09687	0.1056930	0.26127241	2.4232990	21	12 26.1	20.6
539085 2016 NC_{21}	18.1	X	168.37462	182.50735	105.90535	7.01696	0.2986453	0.28695478	2.2764620	21	—	—
539086 2016 NH_{21}	17.7	X	133.71666	179.24236	133.64207	6.47115	0.1252674	0.26809276	2.3820233	21	—	—
539087 2016 NA_{24}	16.7	X	93.21511	15.18453	281.57454	10.88021	0.0663163	0.23586994	2.5943047	21	12 3.2	20.4
539088 2016 NW_{27}	17.3	X	134.65119	13.96100	257.71627	13.92690	0.1089992	0.25782317	2.4448643	21	12 22.1	20.9
539089 2016 NE_{31}	16.3	X	301.14072	268.02007	106.83640	9.33725	0.2031828	0.18275284	3.0753411	21	7 19.7	20.1
539090 2016 NA_{33}	18.0	X	165.43515	221.68526	98.54910	8.95258	0.2777678	0.29168446	2.2517864	21	—	—
539091 2016 NR_{34}	18.4	X	183.93086	145.11636	134.61109	3.92497	0.1927882	0.29113043	2.2546423	21	—	—
539092 2016 ND_{37}	17.4	X	117.16509	322.31395	302.18248	6.86693	0.1890222	0.24320948	2.5418449	21	11 26.6	21.6
539093 2016 NO_{37}	16.5	X	352.68991	153.04539	153.04198	6.42404	0.0859833	0.19460257	2.9491963	21	7 24.2	20.2
539094 2016 NG_{41}	17.7	X	126.00956	54.50630	238.20532	1.88932	0.1799469	0.26331931	2.4107245	21	—	—
539095 2016 NF_{42}	16.6	X	353.55038	22.91742	263.83599	4.69117	0.1620559	0.18454626	3.0553846	21	6 27.4	19.8
539096 2016 NA_{43}	17.0	X	140.19298	341.70037	298.28250	13.97006	0.1420375	0.26352685	2.4094586	21	—	—
539097 2016 NK_{45}	17.6	X	128.87578	33.67371	300.32559	6.14091	0.1276209	0.27943087	2.3171445	21	—	—
539098 2016 ND_{47}	15.9	X	305.76413	9.02206	340.39305	9.04958	0.1001039	0.17428932	3.1741117	21	7 9.7	20.2
539099 2016 NT_{48}	15.9	X	25.85993	299.63919	326.91443	21.98174	0.1719586	0.18535903	3.0464465	21	8 6.4	19.4
539100 2016 NX_{48}	17.0	X	232.28001	299.46556	315.80303	6.54205	0.0725147	0.29040874	2.2583760	21	—	—
539101 2016 NB_{49}	17.8	X	99.89078	5.03905	332.93515	6.25949	0.2241458	0.25829894	2.4418612	21	—	—
539102 2016 NA_{50}	17.3	X	87.03725	147.21400	158.60726	13.60530	0.1750233	0.23900970	2.5715346	21	12 19.6	21.6
539103 2016 NT_{50}	17.9	X	128.06249	186.57249	109.67026	4.39129	0.2055880	0.25805672	2.4433890	21	—	—
539104 2016 NK_{54}	17.7	X	113.78987	121.93300	190.29968	7.61371	0.1352928	0.26630541	2.3926696	21	—	—
539105 2016 NN_{54}	16.4	X	313.05965	134.50862	283.59744	12.41062	0.0324118	0.23134452	2.6280275	21	10 25.5	20.0
539106 2016 NC_{62}	16.8	X	320.63595	55.22316	281.42160	9.26186	0.0333291	0.18413554	3.0599263	21	7 19.7	20.9
539107 2016 NB_{64}	16.1	X	64.63594	314.68359	281.23955	15.30209	0.1063738	0.17808893	3.1288021	21	8 7.2	20.5
539108 2016 NG_{65}	16.4	X	66.10897	257.02756	348.97353	14.40690	0.1108317	0.20313804	2.8659936	21	8 31.6	20.3
539109 2016 NS_{65}	17.2	X	102.18802	228.09025	34.88369	1.92885	0.0291935	0.21357447	2.7718506	21	10 25.3	20.9
539110 2016 NV_{65}	16.1	X	280.60691	77.91430	282.46348	21.06351	0.0935625	0.18121087	3.0927624	21	6 19.8	20.5
539111 2016 NW_{65}	17.8	X	81.54020	130.36689	179.10086	6.88324	0.0353005	0.24272479	2.5452276	21	12 4.5	21.3
539112 2016 NZ_{65}	17.5	X	122.98341	258.44215	319.42943	1.05594	0.1555318	0.22463582	2.6800941	21	10 3.2	21.5
539113 2016 NJ_{66}	16.8	X	43.63422	241.57685	78.42608	8.20153	0.0462000	0.21705593	2.7421315	21	10 29.9	20.5
539114 2016 NN_{66}	16.5	X	297.41174	212.45852	111.89414	6.04147	0.1274576	0.17495515	3.1660534	21	5 22.0	20.8
539115 2016 NO_{66}	16.9	X	332.11092	220.43707	77.33282	1.99130	0.1504391	0.18190273	3.0849152	21	6 3.6	20.6
539116 2016 NQ_{66}	17.1	X	92.96689	270.44669	16.97622	7.08888	0.1817145	0.24443806	2.5333207	21	12 2.2	21.1
539117 2016 NR_{66}	16.1	X	345.37632	282.39307	349.41981	10.24127	0.0623279	0.17405873	3.1769143	21	5 26.9	20.4
539118 2016 NS_{66}	15.9	X	323.20050	236.97047	70.80240	10.95756	0.0405199	0.17757855	3.1347942	21	6 15.1	20.0
539119 2016 NT_{66}	16.6	X	284.99177	265.15255	101.07408	11.67783	0.1221944	0.17881321	3.1203476	21	6 27.8	20.8
539120 2016 NX_{66}	16.4	X	126.57235	230.23060	274.67522	4.70683	0.0391115	0.17268217	3.1937755	21	6 24.9	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
539121 2016 NY_{66}	16.7	X	119.41965	256.23224	276.92482	4.43990	0.0472436	0.18503657	3.0499847	21	7 22.7	21.1
539122 2016 NA_{67}	16.0	X	276.82705	253.23864	123.65853	10.69873	0.0891989	0.18028378	3.1033561	21	7 5.7	20.3
539123 2016 NB_{67}	16.6	X	236.62430	203.35875	208.19623	11.03466	0.0935478	0.17698394	3.1418116	21	6 29.9	21.5
539124 2016 NC_{67}	16.7	X	309.58340	48.96315	283.98091	4.94255	0.0779813	0.17754090	3.1352375	21	6 24.9	21.0
539125 2016 NE_{67}	16.3	X	76.26338	116.82451	100.71389	8.65057	0.0761540	0.17805874	3.1291557	21	7 31.2	20.6
539126 2016 NJ_{67}	16.6	X	276.35598	287.25740	93.69915	9.32626	0.0535474	0.17710240	3.1404105	21	7 16.0	20.9
539127 2016 NL_{67}	17.8	X	108.71352	304.44628	9.18961	14.44690	0.1375726	0.25183492	2.4834691	21	—	—
539128 2016 NO_{67}	16.5	X	281.64571	34.15781	315.58520	9.83827	0.0939154	0.17909908	3.1170264	21	6 5.4	21.0
539129 2016 NP_{67}	16.6	X	330.53637	294.86882	2.21386	8.69942	0.1333135	0.18060941	3.0996249	21	5 31.1	20.5
539130 2016 NQ_{67}	16.5	X	115.76741	162.05071	109.29875	16.01451	0.1800648	0.24079520	2.5588068	21	12 6.5	20.8
539131 2016 NR_{67}	16.7	X	288.60896	220.81559	135.57852	6.24530	0.1567927	0.18182064	3.0858437	21	6 14.9	21.1
539132 2016 NT_{67}	17.4	X	117.33201	159.71136	144.57828	6.72869	0.1229731	0.25813054	2.4429231	21	—	—
539133 2016 NY_{67}	16.9	X	169.36188	353.15933	151.96935	5.59591	0.0968662	0.20835048	2.8179917	21	8 16.3	21.1
539134 2016 NZ_{67}	17.4	X	119.30117	97.82383	119.94201	11.20566	0.1773082	0.22857543	2.6492098	21	10 6.9	21.8
539135 2016 NA_{68}	17.3	X	10.98618	223.31597	77.49658	3.20299	0.0391402	0.20348049	2.8627771	21	8 15.7	20.9
539136 2016 NB_{68}	17.1	X	0.65103	145.71285	170.63513	5.82143	0.0661783	0.20065746	2.8895653	21	8 20.0	20.7
539137 2016 NF_{68}	15.6	X	30.22966	292.65101	285.22244	16.57128	0.0822268	0.17211704	3.2007626	21	5 25.8	20.0
539138 2016 NG_{68}	16.6	X	100.09479	192.76393	357.40831	9.50858	0.0167861	0.19075369	2.9887351	21	7 19.7	20.9
539139 2016 NJ_{68}	16.4	X	286.73547	320.22303	81.28646	11.28677	0.1291474	0.19246553	2.9709870	21	8 18.8	20.5
539140 2016 NM_{68}	17.2	X	24.83155	159.99302	156.29745	9.36734	0.0453222	0.21347981	2.7726700	21	9 27.6	20.8
539141 2016 NQ_{68}	16.8	X	356.08024	168.16323	236.62153	13.36749	0.0512077	0.23917972	2.5703158	21	12 15.2	20.0
539142 2016 NR_{68}	16.9	X	80.04959	25.07318	276.33612	12.67952	0.1458238	0.21942374	2.7223689	21	11 30.2	21.1
539143 2016 NV_{68}	17.1	X	15.46358	305.51178	51.31106	6.44981	0.0539030	0.21742238	2.7390495	21	11 6.6	20.5
539144 2016 NY_{68}	17.1	X	345.83520	52.26544	296.85104	5.10602	0.0992314	0.20629297	2.8366979	21	9 9.5	20.5
539145 2016 NB_{69}	16.9	X	77.98997	273.87376	328.99916	5.22200	0.0257615	0.20386829	2.8591455	21	8 27.9	20.7
539146 2016 ND_{69}	17.2	X	358.15315	41.50026	339.84982	3.28092	0.1534215	0.21716873	2.7411819	21	11 21.5	20.3
539147 2016 NH_{69}	16.4	X	271.68705	132.05940	261.46178	8.33135	0.1453255	0.18716144	3.0268562	21	7 11.4	20.7
539148 2016 NL_{69}	16.4	X	228.02288	129.54165	291.53232	9.29844	0.0888443	0.17913933	3.1165595	21	7 4.3	21.2
539149 2016 NS_{69}	16.4	X	303.37449	234.72921	98.06118	9.88822	0.0974481	0.17564192	3.1577950	21	6 13.6	20.7
539150 2016 NT_{69}	16.5	X	214.52518	64.00247	3.30871	10.57498	0.0826314	0.17497163	3.1658545	21	6 28.2	21.4
539151 2016 NU_{69}	16.9	X	115.65309	170.78101	357.10005	10.14447	0.0311850	0.18142842	3.0902896	21	7 12.0	21.5
539152 2016 NV_{69}	16.7	X	91.28574	162.64613	99.51890	12.99558	0.1460197	0.22656051	2.6648938	21	11 1.0	20.9
539153 2016 NY_{69}	18.1	X	188.21841	123.94549	136.87172	6.60821	0.0890363	0.28420122	2.2911424	21	—	—
539154 2016 NZ_{69}	16.3	X	348.05078	70.32827	260.90682	8.57872	0.0689952	0.18893101	3.0079265	21	8 16.7	20.2
539155 2016 NA_{70}	16.2	X	205.45043	233.54481	199.77276	9.11646	0.0738541	0.17229531	3.1985544	21	6 25.1	21.1
539156 2016 NB_{70}	17.4	X	63.43990	100.96841	181.36940	5.44911	0.0324542	0.21548918	2.7554069	21	10 2.3	21.2
539157 2016 NE_{70}	17.3	X	104.52178	83.70612	239.80773	11.92614	0.1317777	0.26456035	2.4031795	21	—	—
539158 2016 NJ_{70}	16.2	X	258.17691	288.07152	142.33068	16.73843	0.1443458	0.18385862	3.0629981	21	8 12.2	20.7
539159 2016 NK_{70}	16.3	X	221.78519	75.35191	8.62382	9.14271	0.0235656	0.17944637	3.1130034	21	8 4.3	20.8
539160 2016 NL_{70}	16.4	X	165.44969	354.47090	134.92277	9.57799	0.0145432	0.17496613	3.1659208	21	7 20.3	20.9
539161 2016 NM_{70}	15.9	X	190.24235	340.02476	129.46881	18.97194	0.0806426	0.17830796	3.1262394	21	7 23.9	20.8
539162 2016 NP_{70}	16.6	X	189.14000	206.02650	268.16916	6.41761	0.0434417	0.19026592	2.9938408	21	7 28.7	21.0
539163 2016 NE_{71}	17.5	X	141.07642	267.55813	333.63636	16.25939	0.0915005	0.24186888	2.5512287	21	11 12.6	21.7
539164 2016 NZ_{71}	17.4	X	43.02507	219.55048	105.37336	8.43733	0.0422611	0.22054057	2.7131703	21	11 4.9	21.1
539165 2016 NG_{72}	17.0	X	95.01779	347.64801	274.33026	9.96160	0.1207694	0.22770497	2.6559570	21	10 23.9	21.1
539166 2016 NP_{72}	16.7	X	343.45864	45.64684	289.60744	11.22234	0.0616916	0.20203410	2.8764241	21	8 16.3	20.4
539167 2016 NQ_{72}	16.6	X	283.71215	73.93696	313.89502	10.76544	0.0427611	0.19325857	2.9628537	21	8 5.5	20.4
539168 2016 NT_{72}	16.1	X	259.96592	308.33695	89.20636	11.45308	0.1472412	0.18112531	3.0937363	21	7 3.3	20.7
539169 2016 NU_{72}	16.5	X	356.25216	308.16363	358.01628	11.59437	0.0455459	0.19415932	2.9536830	21	8 4.1	20.5
539170 2016 NX_{72}	17.6	X	132.45328	323.17704	318.46462	6.44294	0.0964791	0.26143868	2.4222715	21	—	—
539171 2016 NB_{73}	16.6	X	204.39645	305.14922	173.84316	9.59149	0.0586250	0.19692565	2.9259565	21	8 21.1	21.0
539172 2016 ND_{73}	16.4	X	126.29125	356.98305	154.72403	5.49057	0.0675013	0.17982860	3.1085907	21	7 5.9	20.9
539173 2016 NE_{73}	16.6	X	213.03315	292.81838	158.98946	10.90799	0.1231927	0.18811597	3.0166084	21	7 22.7	21.5
539174 2016 NG_{73}	17.2	X	188.84896	11.04394	126.16802	2.97306	0.0125721	0.20414385	2.8565720	21	8 31.3	21.2
539175 2016 NO_{73}	17.2	X	314.65631	281.73973	116.49287	3.20815	0.0718267	0.21455288	2.7634174	21	10 2.8	20.7
539176 2016 NR_{73}	16.5	X	344.18742	257.04306	90.72849	6.95468	0.0783880	0.21089230	2.7953030	21	9 11.9	20.0
539177 2016 NS_{73}	16.6	X	27.92565	8.84535	296.49516	5.28507	0.0534011	0.21129171	2.7917792	21	9 13.4	20.2
539178 2016 NV_{73}	17.2	X	322.05517	64.06088	332.83899	11.02166	0.1312110	0.21919138	2.7242925	21	10 2.8	20.5
539179 2016 NW_{73}	17.0	X	294.23899	72.80199	346.46920	10.92494	0.0484771	0.22237496	2.6982289	21	9 29.7	20.6
539180 2016 NY_{73}	15.9	X	303.89360	227.18789	104.15569	11.58259	0.0571871	0.17363235	3.1821131	21	6 18.2	20.2
539181 2016 NB_{74}	16.1	X	184.14000	151.36758	299.93388	8.15366	0.0231982	0.17346684	3.1841369	21	6 25.7	20.6
539182 2016 ND_{74}	16.5	X	51.64102	63.92560	270.37858	7.81059	0.1165334	0.22327659	2.6909601	21	12 5.7	20.1
539183 2016 NE_{74}	17.3	X	15.63622	252.61656	85.75795	4.09833	0.1240109	0.22072670	2.7116448	21	10 23.6	20.4
539184 2016 NF_{74}	16.2	X	296.06024	345.28742	357.04585	9.19932	0.0775571	0.17806260	3.1291106	21	6 17.9	20.6
539185 2016 NH_{74}	17.5	X	12.30143	119.97292	243.06584	5.10091	0.1610669	0.22412425	2.6841708	21	11 24.5	20.4
539186 2016 NL_{74}	17.0	X	41.59532	291.04847	98.87714	8.57115	0.1579131	0.24417895	2.5351125	21	—	—
539187 2016 NP_{74}	17.1	X	23.45048	252.18669	91.01382	9.49579	0.1326148	0.21949190	2.7218053	21	11 13.3	20.4
539188 2016 NR_{74}	17.3	X	39.17516	166.20064	144.87102	5.82276	0.1201324	0.22156298	2.7048172	21	10 23.1	20.7
539189 2016 NS_{74}	16.5	X	33.19737	335.72464	320.90593	13.15068	0.1786958	0.21595060	2.7514805	21	9 23.7	19.9
539190 2016 NT_{74}	16.3	X	187.18486	287.68780	256.09642	13.36714	0.0765205	0.21267853	2.7796297	21	10 20.2	20.7
539191 2016 NU_{74}	16.4	X	183.60040	170.82031	300.19750	8.50328	0.0427429	0.18567121	3.0430308	21	7 19.7	20.8
539192 2016 ND_{75}	17.5	X	114.96966	141.05098	126.79505	17.63574	0.1382109	0.24244749	2.5471680	21	12 1.6	21.8
539193 2016 NS_{75}	17.2	X	207.61212	168.41454	286.44406	5.47789	0.0120749	0.19905012	2.9051000	21	7 29.2	21.2
539194 2016 NH_{76}	17.8	X	188.46104	263.05350	323.30757	6.14048	0.1247668	0.26902442	2.3765206	21	12 22.1	21.2
539195 2016 NR_{78}	17.8	X	132.21413	285.74784	328.23445	15.95372	0.1156270	0.24306680	2.5428395	21	11 21.9	22.1
539196 2016 NB_{79}	16.8	X	314.57783	272.16497	92.54107	8.85823	0.0727823	0.19385070	2.9568171	21	8 17.3	20.6
539197 2016 NK_{80}	17.4	X	305.96860	103.11153	355.52113	3.09273	0.0636068	0.24513518	2.5285155	21	12 14.4	20.3
539198 2016 NW_{80}	16.6	X	349.68625	20.12636	327.50240	14.64983	0.1519983	0.20197070	2.8770261	21	9 12.1	19.9
539199 2016 NY_{80}	17.0	X	115.94290	77.35198	130.46695	15.74804	0.0947562	0.20242736	2.8726976	21	9 10.8	21.4
539200 2016 NB_{81}	16.7	X	286.16278	266.96676	123.95004	13.04643	0.0758134	0.18946767	3.0022439	21	8 8.5	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
539201 2016 NJ_{81}	16.8	X	197.73460	219.54422	323.20405	12.50024	0.1182921	0.23941337	2.5686432	21	10 28.2	20.9
539202 2016 NL_{81}	16.2	X	243.64302	184.14479	254.88837	10.99339	0.0185957	0.18958917	3.0009611	21	8 17.9	20.6
539203 2016 NO_{81}	17.1	X	344.31163	212.71169	117.22499	3.58425	0.0327421	0.20078133	2.8883767	21	8 15.5	20.7
539204 2016 NR_{81}	18.2	X	184.70128	228.00077	354.68618	1.73095	0.1434599	0.26247084	2.4159170	21	12 10.5	21.9
539205 2016 NE_{82}	15.8	X	49.15978	36.97205	251.20466	10.82345	0.0072094	0.19414266	2.9538520	21	9 9.3	20.2
539206 2016 NG_{82}	16.0	X	150.20381	295.35535	242.36491	10.56020	0.0476310	0.18919430	3.0051352	21	8 29.5	20.6
539207 2016 NQ_{82}	17.0	X	228.94875	265.39492	255.72533	8.06741	0.0692041	0.23873788	2.5734861	21	11 16.3	20.5
539208 2016 NV_{82}	17.0	X	82.31731	174.82278	145.73618	17.64544	0.1868799	0.23483494	2.6019218	21	—	—
539209 2016 NA_{83}	16.3	X	248.50224	148.01491	263.07402	16.37219	0.1391519	0.18116428	3.0932926	21	7 6.7	21.0
539210 2016 NK_{83}	16.4	X	223.82254	125.12083	301.30328	14.76134	0.0759826	0.17724467	3.1387297	21	7 8.4	21.1
539211 2016 NX_{83}	18.4	X	183.28125	1.58247	248.60018	2.54585	0.0966154	0.26684152	2.3894637	21	—	—
539212 2016 NA_{84}	16.7	X	113.95980	246.16702	288.10555	10.21580	0.0253982	0.18135618	3.0911101	21	7 14.9	21.2
539213 2016 NK_{84}	17.6	X	36.06769	296.16265	71.69046	6.11809	0.2020159	0.23151557	2.6267329	21	—	—
539214 2016 NM_{84}	17.2	X	78.27148	259.97181	20.15900	7.33354	0.1327764	0.21934542	2.7230169	21	10 30.9	21.2
539215 2016 NP_{84}	17.7	X	124.07239	213.21601	97.09625	6.94082	0.0940001	0.25748673	2.4469935	21	—	—
539216 2016 NR_{84}	17.8	X	96.84084	286.10433	23.15221	5.60040	0.1425684	0.24460860	2.5321430	21	12 31.1	21.8
539217 2016 NW_{84}	17.2	X	163.95911	113.14466	85.93276	5.04798	0.0356486	0.21518417	2.7580100	21	10 21.1	21.2
539218 2016 NH_{85}	17.5	X	115.00357	141.64340	111.27507	9.53494	0.1433425	0.22997350	2.6384621	21	11 11.2	21.8
539219 2016 NR_{87}	15.7	X	310.58985	131.63668	258.76830	15.46345	0.0347811	0.19509071	2.9442746	21	9 7.2	20.0
539220 2016 NT_{87}	16.7	X	97.82735	346.81706	272.23366	14.17426	0.0887108	0.21088549	2.7953632	21	10 15.8	21.1
539221 2016 NX_{87}	16.5	X	15.72391	284.34219	343.47579	9.59732	0.1130460	0.18319165	3.0704281	21	7 13.7	20.3
539222 2016 NQ_{88}	16.7	X	297.64838	37.01374	302.70397	8.37469	0.0936357	0.17541378	3.1605324	21	6 14.8	21.1
539223 2016 NK_{89}	17.1	X	94.78362	327.70990	336.07234	13.44498	0.0949618	0.23743717	2.5828761	21	12 17.0	21.1
539224 2016 NL_{90}	16.4	X	274.75966	284.14366	91.69113	9.99901	0.1725026	0.17961797	3.1110204	21	6 19.8	20.8
539225 2016 NM_{90}	16.8	X	237.15449	243.70634	171.42460	16.93115	0.1311345	0.18426473	3.0584959	21	7 1.8	21.8
539226 2016 NO_{90}	16.9	X	262.59901	244.44172	142.02563	10.90488	0.0678447	0.18329920	3.0692269	21	7 3.0	21.4
539227 2016 NP_{90}	16.6	X	102.61715	249.24431	327.89601	14.12360	0.0964832	0.20246357	2.8723551	21	9 2.1	20.9
539228 2016 NQ_{90}	16.1	X	88.83167	260.40483	281.73349	11.48852	0.1184822	0.17197290	3.2025509	21	7 6.8	20.5
539229 2016 NR_{90}	16.7	X	339.69410	257.80771	121.51273	9.45788	0.1843313	0.20520607	2.8467057	21	10 18.3	19.7
539230 2016 NS_{90}	17.1	X	329.10861	330.65057	80.31124	7.50560	0.0772952	0.21776436	2.7361812	21	11 11.7	20.5
539231 2016 OK_{2}	16.8	X	113.23932	332.91154	233.20096	12.39534	0.0375588	0.20437883	2.8543821	21	8 21.3	21.2
539232 2016 OQ_{4}	17.2	X	113.17679	182.25538	111.76066	11.84630	0.2413428	0.25958945	2.4337615	21	—	—
539233 2016 OZ_{5}	17.2	X	61.98683	8.49267	321.19045	12.67854	0.1689631	0.22967727	2.6407302	21	12 21.1	21.2
539234 2016 OP_{6}	16.0	X	319.03146	53.37125	280.88343	10.93204	0.1142361	0.17253992	3.1955306	21	7 5.9	19.9
539235 2016 OR_{6}	15.7	X	214.11622	144.51272	311.65091	14.99091	0.0600374	0.17319075	3.1875200	21	8 3.8	20.5
539236 2016 OA_{7}	16.2	X	275.94928	119.33729	323.67138	20.98165	0.0816639	0.22368447	2.6876879	21	9 22.6	20.1
539237 2016 OB_{7}	17.1	X	23.05723	201.33746	158.26997	4.47751	0.1037472	0.22527694	2.6750068	21	11 29.6	20.5
539238 2016 OH_{7}	16.6	X	22.86396	13.17086	342.03730	10.78731	0.0819347	0.22829477	2.6513806	21	11 16.2	20.1
539239 2016 OR_{7}	17.1	X	51.85533	328.00631	14.67397	4.61985	0.2094057	0.21318129	2.7752577	21	12 27.3	21.1
539240 2016 OL_{8}	17.5	X	94.64608	295.75996	9.19221	14.90515	0.1431611	0.24279169	2.5447600	21	12 22.9	21.7
539241 2016 PX_{3}	17.2	X	122.97183	182.78761	97.75654	6.14090	0.1475648	0.25314156	2.4749157	21	12 22.0	20.9
539242 2016 PV_{5}	16.7	X	106.94768	343.31768	321.37040	7.16475	0.2180307	0.25697228	2.4502583	21	—	—
539243 2016 PC_{7}	18.0	X	139.55805	114.05025	121.30374	7.33273	0.1391884	0.23979030	2.5659507	21	11 13.0	22.1
539244 2016 PP_{11}	15.2	X	306.01353	213.38707	99.06099	28.79651	0.1883231	0.17359866	3.1825248	21	5 19.4	19.9
539245 2016 PY_{11}	16.5	X	43.99482	169.63095	169.10834	22.40586	0.0979116	0.23224114	2.6212591	21	12 3.9	20.5
539246 2016 PE_{12}	16.5	X	76.93827	343.08443	309.49227	15.91062	0.1669562	0.22693416	2.6619678	21	11 15.9	20.8
539247 2016 PQ_{12}	15.5	X	211.73352	298.53844	96.24637	15.69000	0.0417189	0.15744570	3.3966348	21	5 21.9	20.6
539248 2016 PV_{12}	17.3	X	79.70560	346.10830	349.34395	14.65629	0.1337190	0.25268246	2.4779126	21	—	—
539249 2016 PB_{14}	16.9	X	121.87866	226.50108	60.48541	13.71992	0.1309015	0.24745648	2.5126779	21	12 26.8	20.9
539250 2016 PL_{24}	17.3	X	74.37585	196.03073	98.91202	6.26109	0.1641645	0.23206966	2.6225501	21	11 22.0	21.1
539251 2016 PB_{29}	16.2	X	207.56258	17.64175	65.63493	11.16526	0.0311803	0.18061998	3.0995039	21	7 13.9	20.8
539252 2016 PR_{30}	18.0	X	164.79444	256.03905	62.35876	8.22282	0.1859524	0.29068074	2.2569670	21	—	—
539253 2016 PK_{31}	17.2	X	347.11389	316.97744	89.67388	10.42669	0.1475593	0.23010369	2.6374668	21	12 10.9	20.0
539254 2016 PB_{36}	18.0	X	201.89723	113.29959	101.31264	10.33851	0.1934389	0.26582611	2.3955448	21	12 14.3	21.5
539255 2016 PS_{37}	16.4	X	42.77745	18.90051	288.67312	12.98653	0.1917722	0.22093802	2.7099154	21	10 26.7	20.2
539256 2016 PU_{37}	17.9	X	166.14546	76.29755	238.75033	6.13957	0.1622004	0.29185958	2.2508856	21	—	—
539257 2016 PJ_{50}	17.8	X	144.94336	127.05808	115.03341	15.52489	0.0539667	0.24236830	2.5477228	21	11 27.9	21.7
539258 2016 PJ_{51}	16.0	X	50.96855	242.85815	8.98375	10.46394	0.0556665	0.19435728	2.9516770	21	8 11.8	20.1
539259 2016 PR_{55}	16.8	X	141.43229	60.90911	115.93495	11.81176	0.0465794	0.19171461	2.9787398	21	8 26.0	21.2
539260 2016 PF_{68}	16.8	X	86.30619	347.49391	306.84052	8.67863	0.1578126	0.23178025	2.6247328	21	11 30.4	20.9
539261 2016 PD_{69}	16.0	X	220.91444	355.89120	80.84443	11.68108	0.0918509	0.17997692	3.1068825	21	7 16.2	20.7
539262 2016 PF_{71}	17.6	X	359.11058	330.44825	72.47108	11.65148	0.1189732	0.23738611	2.5832465	21	12 24.4	20.5
539263 2016 PJ_{72}	16.3	X	320.39238	280.81150	107.37889	13.68576	0.1270417	0.20414388	2.8565718	21	9 27.9	19.9
539264 2016 PG_{75}	17.0	X	103.53311	263.84253	22.51312	5.66329	0.2705376	0.23187250	2.6240366	21	12 14.4	21.6
539265 2016 PN_{77}	18.1	X	102.46775	324.03862	7.01283	6.31483	0.1313424	0.26412430	2.4058237	21	—	—
539266 2016 PP_{77}	17.2	X	193.25213	14.77077	232.59512	9.65779	0.1923668	0.28488021	2.2875005	21	—	—
539267 2016 PS_{77}	16.2	X	12.30541	343.40130	309.67559	11.55631	0.0934060	0.18670353	3.0318034	21	8 7.6	19.9
539268 2016 PV_{77}	15.8	X	21.86161	302.07463	330.94187	11.16964	0.0845698	0.17537886	3.1609519	21	7 28.6	19.8
539269 2016 PT_{78}	17.0	X	62.70165	10.93308	345.78282	9.64559	0.2132117	0.23786133	2.5798046	21	—	—
539270 2016 PB_{83}	17.3	X	351.29267	208.75164	179.52139	6.91267	0.0934110	0.21062282	2.7976868	21	11 15.3	20.6
539271 2016 PA_{84}	16.7	X	301.80424	7.43341	24.73067	15.51734	0.1443076	0.18089283	3.0963864	21	8 29.7	20.8
539272 2016 PB_{85}	16.9	X	359.76912	122.52267	174.42006	11.18061	0.0243810	0.18362430	3.0656033	21	7 21.3	21.2
539273 2016 PX_{85}	16.2	X	227.60157	351.48046	33.61721	12.66070	0.0829105	0.15609039	3.4162680	21	5 18.9	21.4
539274 2016 PC_{87}	16.4	X	273.36033	147.10884	268.40621	2.42045	0.1878237	0.17340255	3.1849239	21	8 4.6	20.8
539275 2016 PN_{87}	16.9	X	273.58158	217.18460	204.00585	12.42815	0.1528464	0.17580715	3.1558162	21	8 14.0	21.5
539276 2016 PY_{88}	17.0	X	90.87379	301.84500	349.76933	10.57280	0.1305909	0.22954012	2.6417820	21	11 27.3	21.2
539277 2016 PT_{89}	17.0	X	158.19966	245.64114	324.60429	3.87383	0.0600656	0.21091851	2.7950715	21	10 23.7	21.1
539278 2016 PW_{89}	17.7	X	210.64269	133.93266	66.78138	4.39596	0.0504374	0.24262614	2.5459175	21	12 18.3	21.1
539279 2016 PG_{90}	18.0	X	164.86615	95.23077	143.24575	1.74162	0.1456042	0.25436053	2.4670024	21	12 9.8	21.9
539280 2016 PP_{90}	16.6	X	359.78621	236.14837	81.75043	2.05644	0.0830729	0.17670723	3.1450907	21	8 21.4	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
539281 2016 PS_{90}	16.2	X	30.92806	96.87899	191.94728	26.14784	0.1711944	0.18374005	3.0643156	21	9 7.7	20.2
539282 2016 PT_{90}	16.1	X	339.06729	319.37719	351.81454	5.31682	0.1025085	0.17209284	3.2010627	21	7 9.4	20.1
539283 2016 PC_{91}	17.4	X	83.77501	61.72697	189.08589	5.72044	0.1218103	0.21140316	2.7907980	21	9 28.9	21.4
539284 2016 PJ_{91}	17.2	X	53.88303	149.33087	188.65029	4.97493	0.0804212	0.22636063	2.6664623	21	12 9.2	20.9
539285 2016 PK_{91}	18.6	X	153.67914	246.40916	63.98216	3.57743	0.1000803	0.28247187	2.3004842	21	—	—
539286 2016 PS_{91}	16.8	X	323.68516	267.18062	87.99555	9.45877	0.1112663	0.18705073	3.0280505	21	8 14.5	20.6
539287 2016 PY_{91}	16.4	X	239.27287	46.24647	17.94520	15.85696	0.1017579	0.18059780	3.0997577	21	7 24.1	21.3
539288 2016 PZ_{91}	16.4	X	295.29922	287.57390	75.66696	16.99034	0.0356492	0.18038053	3.1022463	21	7 21.9	20.9
539289 2016 PC_{92}	16.4	X	337.23361	240.57058	86.50181	7.08010	0.1467638	0.18644501	3.0346053	21	7 25.2	19.8
539290 2016 PD_{92}	16.2	X	331.09415	223.39362	112.19994	14.94908	0.1591679	0.18551766	3.0447097	21	7 23.9	19.7
539291 2016 PE_{92}	16.4	X	338.51131	262.23668	63.26452	10.66751	0.1300123	0.18605859	3.0388055	21	7 28.1	20.1
539292 2016 PJ_{92}	16.1	X	7.73368	225.19708	61.82187	14.25680	0.1300895	0.18359082	3.0659759	21	7 28.2	19.9
539293 2016 PL_{92}	16.5	X	78.07675	290.87379	351.15936	8.50119	0.1278473	0.20885156	2.8134826	21	10 29.1	20.7
539294 2016 PM_{92}	17.0	X	90.62443	133.77401	149.93036	3.70518	0.0963018	0.21120573	2.7925369	21	11 14.9	21.0
539295 2016 PO_{92}	16.9	X	123.91190	299.59716	328.41874	4.82398	0.1253835	0.24505759	2.5290492	21	12 5.1	20.8
539296 2016 PP_{92}	16.4	X	319.36886	160.38091	190.12528	10.88762	0.0124006	0.18393332	3.0621686	21	8 5.1	20.8
539297 2016 PR_{92}	16.1	X	285.57670	94.62655	308.41967	10.18746	0.1244918	0.18065252	3.0991318	21	8 13.8	20.4
539298 2016 PS_{92}	16.8	X	203.56830	62.32460	67.76998	4.77856	0.0436755	0.20975532	2.8053953	21	9 9.5	20.8
539299 2016 PT_{92}	17.2	X	43.92678	286.54973	359.13402	3.61518	0.0573759	0.20980516	2.8049510	21	9 13.3	20.6
539300 2016 PV_{92}	17.3	X	313.69524	80.87043	322.37899	10.31857	0.1536387	0.21449460	2.7639179	21	9 23.8	20.4
539301 2016 PL_{93}	17.2	X	49.94345	331.78111	5.96923	10.19735	0.1422484	0.21964321	2.7205551	21	12 9.6	21.1
539302 2016 PO_{93}	17.2	X	59.26541	235.06691	88.65928	4.31771	0.0903961	0.21533623	2.7567115	21	11 27.3	21.0
539303 2016 PR_{93}	17.1	X	29.04221	305.48781	48.08612	9.29151	0.1770732	0.21300756	2.7767665	21	12 6.5	20.6
539304 2016 PS_{93}	17.0	X	28.62700	158.44507	116.55948	1.77247	0.0329623	0.19321445	2.9633048	21	8 4.3	20.7
539305 2016 PA_{94}	17.8	X	150.90254	185.26595	47.29714	6.30704	0.0763466	0.23942871	2.5685335	21	11 17.6	21.5
539306 2016 PB_{94}	17.4	X	209.58219	71.96865	115.47393	17.07444	0.1257204	0.24299158	2.5433642	21	11 26.3	21.4
539307 2016 PQ_{94}	17.1	X	354.03345	122.37776	255.94869	3.42230	0.0837957	0.21178382	2.7874529	21	11 3.7	20.4
539308 2016 PS_{94}	17.6	X	35.74881	20.66293	328.97319	1.75116	0.1136861	0.22244005	2.6977025	21	12 3.9	21.0
539309 2016 PT_{94}	17.4	X	51.28538	222.65339	89.53731	0.42603	0.0618914	0.21296117	2.7771698	21	10 28.8	21.1
539310 2016 PV_{94}	16.6	X	5.57842	268.18105	80.69506	15.41045	0.1532234	0.20576323	2.8415646	21	10 27.1	20.0
539311 2016 PC_{95}	16.3	X	164.38137	145.14486	350.01459	17.33771	0.0942920	0.17963618	3.1108102	21	8 3.8	21.3
539312 2016 PD_{95}	17.1	X	3.00324	347.70186	13.28540	6.09847	0.0507619	0.21545436	2.7557038	21	10 23.2	20.4
539313 2016 PF_{95}	16.9	X	148.36987	126.22668	79.98885	4.87657	0.0389782	0.21024246	2.8010601	21	10 11.4	21.0
539314 2016 PG_{95}	16.3	X	140.59367	43.36873	120.67160	11.15502	0.0565530	0.17756635	3.1349378	21	8 6.9	20.8
539315 2016 PJ_{95}	16.1	X	263.79408	238.96234	177.92746	11.21831	0.0472784	0.17180937	3.2045827	21	8 13.1	20.8
539316 2016 PK_{95}	16.5	X	119.66396	116.10616	108.94239	7.31857	0.1622605	0.19779116	2.9174145	21	10 10.9	21.2
539317 2016 PL_{95}	16.6	X	322.37155	239.12438	136.14977	11.03718	0.1467331	0.18543515	3.0456127	21	9 4.2	20.1
539318 2016 PM_{95}	16.7	X	27.89171	268.82740	81.10963	5.84028	0.1137513	0.20883296	2.8136497	21	11 21.8	20.3
539319 2016 PO_{95}	16.7	X	298.37494	39.29193	328.43906	13.29142	0.1811017	0.18482986	3.0522583	21	7 11.9	20.8
539320 2016 PQ_{95}	16.1	X	171.64689	306.35583	167.63359	16.16995	0.0802337	0.17209387	3.2010499	21	7 8.9	21.2
539321 2016 PX_{95}	16.8	X	262.35381	86.97894	319.29310	13.94478	0.0988832	0.18577857	3.0418582	21	7 25.9	21.1
539322 2016 PY_{95}	16.1	X	253.69957	293.82773	125.33866	10.49904	0.0293238	0.17572123	3.1568448	21	8 8.7	20.5
539323 2016 PB_{96}	16.3	X	317.60453	8.53364	320.27353	9.56489	0.0939376	0.18306731	3.0718183	21	6 30.1	20.3
539324 2016 PE_{96}	16.3	X	39.52949	155.72624	86.68072	11.91214	0.0765088	0.17531228	3.1617522	21	7 11.9	20.5
539325 2016 PH_{96}	16.9	X	307.23850	40.67420	1.68992	8.71977	0.0816831	0.18917923	3.0052948	21	9 21.6	20.8
539326 2016 PJ_{96}	16.0	X	111.93068	210.62022	17.16459	10.60523	0.1531849	0.18793161	3.0185810	21	10 2.8	20.8
539327 2016 PK_{96}	16.5	X	218.32148	89.59130	25.66013	9.53861	0.0630796	0.17470984	3.1690163	21	9 5.1	21.2
539328 2016 PM_{96}	18.0	X	130.94377	302.89235	10.38724	0.63396	0.0824791	0.26722903	2.3871532	21	—	—
539329 2016 PO_{96}	17.4	X	359.95891	123.30347	256.48911	2.60220	0.1088817	0.21564336	2.7540934	21	11 18.3	20.6
539330 2016 PQ_{96}	16.6	X	345.62104	325.05897	354.45521	7.23071	0.0369070	0.17378277	3.1802766	21	8 3.7	21.0
539331 2016 PD_{97}	17.1	X	144.40716	247.82109	351.15734	14.58401	0.1025753	0.23448001	2.6045468	21	11 13.1	21.3
539332 2016 PG_{97}	17.5	X	121.21684	102.93879	185.03822	8.43160	0.0729601	0.23432211	2.6057167	21	12 23.6	21.4
539333 2016 PU_{97}	17.4	X	77.62270	264.93163	54.90337	15.53377	0.1310761	0.23738440	2.5832589	21	12 20.7	21.4
539334 2016 PW_{97}	17.0	X	106.59124	296.05938	350.47904	13.36288	0.0538173	0.24084330	2.5584661	21	12 3.2	20.9
539335 2016 PY_{97}	16.7	X	64.68736	209.26640	99.61717	14.15731	0.1396542	0.22544248	2.6736972	21	11 26.3	20.6
539336 2016 PL_{98}	17.8	X	129.98520	123.21233	173.25034	6.33409	0.1607690	0.24469243	2.5315646	21	—	—
539337 2016 PO_{98}	17.3	X	1.44362	134.62250	236.59004	10.23627	0.0285540	0.23002041	2.6381033	21	11 4.4	20.6
539338 2016 PV_{98}	17.4	X	355.65253	320.73924	53.92721	5.05225	0.0879832	0.22368111	2.6877148	21	11 5.2	20.4
539339 2016 PM_{99}	17.2	X	14.14991	81.69781	290.81033	2.40832	0.1038597	0.21593828	2.7515852	21	11 30.1	20.6
539340 2016 PN_{99}	17.1	X	92.59032	56.60827	239.92049	2.28741	0.1552269	0.22684810	2.6626410	21	12 9.4	21.2
539341 2016 PV_{99}	16.0	X	235.15398	197.94194	230.10069	14.81332	0.0353582	0.17569008	3.1572179	21	7 22.1	20.8
539342 2016 PW_{99}	17.3	X	330.00633	186.59524	199.46748	2.65003	0.0302896	0.20308568	2.8664862	21	10 7.9	21.0
539343 2016 PX_{99}	18.2	X	148.09247	195.17762	50.61965	2.07707	0.1491548	0.25377413	2.4708013	21	12 2.7	21.9
539344 2016 PY_{99}	17.8	X	154.10598	51.80353	219.95869	13.26355	0.1377796	0.26196481	2.4190271	21	—	—
539345 2016 PD_{100}	17.0	X	343.77427	242.73452	136.14775	5.56418	0.1268688	0.20204308	2.8763389	21	10 21.8	20.3
539346 2016 PJ_{100}	17.3	X	210.38420	187.51584	327.73200	1.08566	0.0156396	0.22012701	2.7165675	21	10 21.1	21.1
539347 2016 PM_{100}	17.1	X	118.63532	252.38234	62.41003	10.15267	0.1560607	0.25325791	2.4741576	21	—	—
539348 2016 PN_{100}	17.2	X	71.60233	247.62475	64.16597	9.13590	0.1787204	0.23681037	2.5874317	21	12 10.4	21.1
539349 2016 PR_{100}	17.3	X	292.56903	10.30217	67.23301	1.04725	0.0417100	0.21576775	2.7530348	21	10 24.5	20.7
539350 2016 PS_{100}	17.2	X	200.47250	51.23926	157.69145	2.43213	0.0214438	0.22621894	2.6675756	21	12 16.8	20.8
539351 2016 PT_{100}	16.9	X	43.38952	51.25986	281.96012	0.35991	0.0857979	0.20846685	2.8169429	21	11 16.7	20.6
539352 2016 PU_{100}	16.7	X	140.75575	254.21500	6.46490	10.96100	0.1076966	0.22386769	2.6862212	21	12 7.9	21.1
539353 2016 PW_{100}	16.6	X	326.94277	105.81058	216.64269	7.44728	0.0489554	0.17479138	3.1680306	21	7 7.9	20.9
539354 2016 PZ_{100}	17.1	X	143.38643	249.71342	353.61262	14.15039	0.0673397	0.22281714	2.6946580	21	11 15.8	21.3
539355 2016 PC_{101}	16.7	X	52.99116	337.48672	320.00374	11.21871	0.1828775	0.22295148	2.6935754	21	10 25.9	20.5
539356 2016 PD_{101}	17.3	X	53.03456	296.44965	0.51060	5.48524	0.0674859	0.22086223	2.7105354	21	10 12.1	21.0
539357 2016 PL_{101}	16.8	X	282.31513	112.33442	9.88226	14.88481	0.0485279	0.23623869	2.5916044	21	12 7.4	20.4
539358 2016 PM_{101}	17.6	X	57.35603	13.51376	333.16355	3.68762	0.1024192	0.22961514	2.6412066	21	12 27.8	21.2
539359 2016 PN_{101}	17.5	X	56.89573	353.50483	344.19716	6.01791	0.0741500	0.22407812	2.6845392	21	12 10.1	21.3
539360 2016 PP_{101}	17.2	X	22.42828	4.14041	12.64441	5.88859	0.0530314	0.22380439	2.6867276	21	12 11.9	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
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539361 2016 PU_{101}	17.6	X	87.71606	145.04644	175.68772	4.77863	0.0741065	0.23134405	2.6280311	21	12 26.9	21.4
539362 2016 PY_{101}	17.5	X	71.62886	259.74990	67.21082	7.00206	0.1380981	0.22711724	2.6605371	21	12 23.1	21.3
539363 2016 PC_{102}	15.9	X	307.05896	244.60529	129.47188	10.34755	0.1029540	0.17447604	3.1718467	21	8 11.5	20.0
539364 2016 PG_{102}	17.2	X	53.07242	322.81464	347.02158	1.78187	0.1866957	0.22381294	2.6866593	21	11 16.3	20.8
539365 2016 PH_{102}	16.3	X	76.86730	116.67960	127.88739	11.79164	0.0921950	0.18754790	3.0226968	21	9 9.6	20.6
539366 2016 PK_{102}	16.4	X	266.43627	348.76945	60.51142	12.46889	0.1223826	0.18546994	3.0452319	21	8 2.0	20.9
539367 2016 PL_{102}	16.7	X	340.34771	297.85933	66.88403	15.84706	0.1627741	0.20217340	2.8751028	21	10 3.1	20.1
539368 2016 PP_{102}	16.6	X	1.28123	287.41144	88.30902	12.49660	0.0615026	0.21900122	2.7258693	21	11 15.1	20.1
539369 2016 PQ_{102}	17.6	X	54.92394	311.38159	10.82078	1.87972	0.1597911	0.22717317	2.6601004	21	12 1.1	21.3
539370 2016 PT_{102}	17.1	X	344.55089	161.41186	247.11225	2.16287	0.0276335	0.21774566	2.7363378	21	11 28.2	20.7
539371 2016 PU_{102}	17.1	X	72.66672	345.12182	330.70479	6.46530	0.1770646	0.22490053	2.6779907	21	12 14.5	21.2
539372 2016 PW_{102}	16.9	X	350.61576	219.85226	207.13289	5.63486	0.0595401	0.22863805	2.6487260	21	—	—
539373 2016 PX_{102}	16.7	X	2.91443	99.71351	285.51624	5.85268	0.1208381	0.21206118	2.7850218	21	11 30.4	20.1
539374 2016 PZ_{102}	17.7	X	122.93901	101.23030	197.83168	3.91937	0.1527100	0.24290933	2.5439384	21	—	—
539375 2016 PB_{103}	16.3	X	352.09713	324.31334	15.65447	10.63178	0.0554761	0.18236935	3.0796509	21	9 10.4	20.4
539376 2016 PH_{103}	17.6	X	104.37870	99.48640	193.13337	11.08964	0.1788344	0.22961154	2.6412342	21	12 17.7	22.0
539377 2016 PK_{103}	17.5	X	65.55724	135.04093	182.26489	14.57843	0.1251809	0.23711656	2.5852038	21	12 6.2	21.4
539378 2016 PL_{103}	17.0	X	202.07140	53.79049	99.91763	3.17138	0.0440417	0.21176283	2.7876371	21	10 7.2	20.9
539379 2016 PQ_{103}	17.9	X	125.81982	110.52637	162.64388	7.63281	0.1784192	0.24141091	2.5544542	21	12 15.2	22.2
539380 2016 PR_{103}	15.8	X	252.84512	65.38476	349.40370	16.30748	0.0460376	0.17246555	3.1964492	21	8 4.6	20.5
539381 2016 PD_{104}	17.5	X	316.36613	87.57859	327.78989	8.27664	0.0978977	0.22632629	2.6667320	21	10 22.9	20.8
539382 2016 PX_{105}	16.9	X	299.85868	354.43172	69.08675	16.21923	0.1169773	0.20253583	2.8716718	21	10 14.3	20.7
539383 2016 PC_{106}	16.6	X	290.83390	316.77812	75.61922	12.50973	0.0699581	0.18666849	3.0321828	21	8 22.1	20.9
539384 2016 PD_{106}	16.8	X	212.35736	132.97173	53.66852	12.92896	0.0911541	0.23591829	2.5939502	21	11 25.4	20.4
539385 2016 PF_{106}	17.2	X	339.93763	21.50202	33.29326	18.50708	0.0970929	0.22677511	2.6632123	21	11 30.3	20.5
539386 2016 PQ_{106}	15.7	X	0.81702	10.59651	272.45002	13.02324	0.0978321	0.17596761	3.1538974	21	7 5.8	19.5
539387 2016 PX_{106}	16.9	X	55.59828	274.72690	349.48655	9.13693	0.0614207	0.20300725	2.8672244	21	9 1.8	20.8
539388 2016 PA_{107}	16.3	X	296.54043	335.81694	356.31549	12.12324	0.0507081	0.17073386	3.2180264	21	6 8.1	21.0
539389 2016 PC_{110}	17.0	X	250.73337	126.30323	29.83151	6.13764	0.0432131	0.24201618	2.5501934	21	12 12.6	20.3
539390 2016 PN_{110}	17.8	X	87.63305	318.64634	6.39247	8.89299	0.1187452	0.24599943	2.5225899	21	—	—
539391 2016 PO_{110}	17.1	X	186.16583	181.36175	5.08333	12.58363	0.1275768	0.22524287	2.6752766	21	10 21.4	21.4
539392 2016 PV_{110}	16.6	X	30.90257	237.84939	27.62054	8.42118	0.0745304	0.18049080	3.1009827	21	8 1.5	20.7
539393 2016 PB_{111}	16.4	X	219.40444	107.98149	357.04149	17.75205	0.1461776	0.18252064	3.0779488	21	8 19.9	21.4
539394 2016 PK_{111}	16.3	X	298.42529	350.81367	9.99097	10.84276	0.0187948	0.17934282	3.1142015	21	7 27.3	20.8
539395 2016 PN_{111}	16.1	X	168.63529	119.76408	12.88845	16.19000	0.0575049	0.17542836	3.1603573	21	8 5.2	21.1
539396 2016 PV_{111}	17.4	X	56.99462	326.60168	22.33206	4.36928	0.1368209	0.23087413	2.6315959	21	—	—
539397 2016 PB_{112}	16.8	X	250.43655	318.12110	158.84756	3.97872	0.0160539	0.20338392	2.8636832	21	10 22.4	20.8
539398 2016 PT_{113}	17.1	X	72.93661	182.11680	148.25378	10.36690	0.2086792	0.23073418	2.6326599	21	—	—
539399 2016 PU_{113}	16.0	X	23.68981	272.48235	33.39693	14.49500	0.0386326	0.18175993	3.0865309	21	9 13.6	20.4
539400 2016 PA_{114}	16.7	X	104.13002	259.96033	24.82470	12.61149	0.1891865	0.22450797	2.6811115	21	12 5.9	21.2
539401 2016 PJ_{114}	16.6	X	74.52617	243.46793	35.54953	15.57979	0.0633436	0.19743000	2.9209713	21	10 16.7	20.6
539402 2016 PL_{114}	17.2	X	54.46449	192.26296	154.76607	15.27771	0.1243151	0.22253108	2.6969668	21	12 26.6	21.2
539403 2016 PA_{115}	17.2	X	87.81850	193.52530	124.88975	4.41673	0.0943930	0.23078465	2.6322761	21	12 26.2	21.0
539404 2016 PG_{116}	16.8	X	353.62190	126.27567	179.47465	9.58065	0.0920272	0.18791369	3.0187729	21	7 23.8	20.7
539405 2016 PC_{117}	17.2	X	357.46840	225.64295	148.58349	5.26952	0.1235848	0.22063723	2.7123778	21	11 11.3	20.3
539406 2016 PG_{117}	17.5	X	62.43842	350.20709	351.77113	2.29077	0.1426432	0.24279853	2.5447122	21	—	—
539407 2016 PK_{117}	17.1	X	281.77634	57.45175	17.31672	5.60384	0.0441309	0.21359927	2.7716361	21	10 5.4	20.6
539408 2016 PZ_{117}	16.5	X	58.16753	156.21873	124.04339	11.24663	0.0661819	0.19749453	2.9203350	21	9 30.0	20.6
539409 2016 PG_{118}	17.3	X	30.73048	7.36360	351.79745	4.96989	0.1456603	0.22055392	2.7130608	21	12 13.6	20.7
539410 2016 PP_{120}	17.3	X	181.38023	297.18028	243.40940	4.28954	0.0953207	0.22989537	2.6390598	21	10 13.3	21.2
539411 2016 PU_{120}	17.1	X	110.38446	279.37576	308.34220	14.37242	0.1743957	0.21950344	2.7217098	21	9 26.9	21.7
539412 2016 PX_{120}	18.1	X	139.28074	67.98939	211.41942	3.82460	0.1356927	0.26079116	2.4262794	21	—	—
539413 2016 PC_{121}	16.8	X	281.65680	246.74081	167.23840	15.56547	0.1139129	0.19268633	2.9687169	21	8 25.1	20.7
539414 2016 PD_{121}	17.0	X	44.62569	5.35447	327.50648	5.86464	0.0458565	0.22420884	2.6834957	21	11 12.7	20.6
539415 2016 PH_{122}	17.4	X	84.78275	69.62663	238.42750	5.10289	0.0838912	0.22364688	2.6879890	21	12 7.9	21.2
539416 2016 PV_{122}	16.7	X	321.57921	163.43105	215.98001	10.00050	0.0679939	0.18664694	3.0324161	21	9 9.9	20.8
539417 2016 PZ_{122}	16.6	X	346.43708	104.58466	239.88818	6.94562	0.0643790	0.18191438	3.0847836	21	8 31.8	20.8
539418 2016 PA_{123}	16.6	X	111.75094	302.07399	349.31264	15.01793	0.1608730	0.23230018	2.6208149	21	12 22.7	21.1
539419 2016 PK_{123}	16.3	X	277.99789	212.42268	190.63288	17.94955	0.1242810	0.17033921	3.2229950	21	7 31.7	21.1
539420 2016 PP_{123}	17.2	X	308.14963	185.60873	213.98384	1.81428	0.0674366	0.18893458	3.0078886	21	9 19.8	21.1
539421 2016 PT_{123}	17.1	X	82.14637	121.37864	178.77198	7.66737	0.0369960	0.21285747	2.7780717	21	11 19.1	21.0
539422 2016 PA_{124}	17.4	X	105.91216	267.30715	28.25308	3.55813	0.1584576	0.22953579	2.6418153	21	12 21.2	21.7
539423 2016 PJ_{124}	16.5	X	264.37781	67.62762	5.83689	10.08341	0.1249392	0.17377622	3.1803566	21	8 29.1	21.0
539424 2016 PN_{124}	16.6	X	92.26413	269.29988	3.87774	14.46068	0.1347609	0.20459483	2.8523727	21	11 1.1	21.1
539425 2016 PT_{124}	16.7	X	14.98860	175.90845	139.22182	2.79880	0.0845799	0.18312110	3.0712167	21	9 10.8	20.6
539426 2016 PU_{124}	17.5	X	103.78519	90.52297	201.41511	5.81167	0.1661227	0.22737597	2.6585184	21	12 15.3	21.7
539427 2016 PE_{125}	16.5	X	294.50881	5.12298	358.32287	8.70949	0.0860532	0.18129622	3.0917917	21	7 14.5	20.8
539428 2016 PM_{125}	17.1	X	58.39370	4.73363	312.57987	7.98908	0.1070790	0.22190453	2.7020410	21	11 19.1	21.0
539429 2016 PS_{125}	17.4	X	96.15183	166.04172	143.37864	12.70268	0.1809940	0.23617415	2.5920765	21	12 31.5	21.8
539430 2016 PG_{126}	17.0	X	1.82233	240.14763	133.85627	5.98772	0.0671401	0.22211676	2.7003196	21	11 13.4	20.4
539431 2016 PM_{126}	17.6	X	71.20591	116.81151	203.75413	4.95015	0.1198705	0.23019851	2.6367425	21	12 13.6	21.3
539432 2016 PV_{126}	17.0	X	67.37978	318.71624	346.76840	28.38506	0.1709329	0.22273950	2.6952842	21	11 12.9	21.5
539433 2016 PC_{127}	16.4	X	249.96908	66.67031	1.19197	11.76252	0.1503989	0.17125256	3.2115252	21	8 2.8	21.4
539434 2016 PR_{127}	17.0	X	87.32967	53.14123	264.38884	5.91005	0.1540030	0.23577752	2.5949826	21	12 30.7	21.0
539435 2016 PS_{127}	16.1	X	62.53300	323.34393	292.01207	10.88011	0.0967256	0.18634402	3.0357016	21	8 28.7	20.4
539436 2016 PU_{127}	16.4	X	104.90472	87.53264	130.16458	14.86479	0.0509712	0.18904984	3.0066659	21	9 3.9	20.8
539437 2016 PD_{128}	17.2	X	68.20428	248.31173	88.52717	13.90168	0.2179288	0.23880081	2.5730340	21	—	—
539438 2016 PH_{128}	17.1	X	324.24100	40.49104	357.45889	12.66034	0.1379355	0.21089527	2.7952768	21	10 8.3	20.2
539439 2016 QG_{4}	17.4	X	74.98089	114.30554	162.58189	6.08744	0.0641474	0.21922660	2.7240007	21	10 16.6	21.1
539440 2016 QR_{4}	16.3	X	104.81305	286.96416	323.68570	12.36118	0.0965831	0.22361356	2.6882560	21	10 14.8	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
539441 2016 QA_5	18.0	X	102.83626	169.58872	161.37885	5.44064	0.1903346	0.26214240	2.4179345	21	—	—
539442 2016 QC_5	18.6	X	190.69820	4.68333	242.70517	1.25993	0.1878331	0.27701762	2.3305824	21	—	—
539443 2016 QA_6	16.4	X	300.38252	106.52586	266.83923	0.80723	0.1033832	0.18948118	3.0021012	21	7 31.6	20.3
539444 2016 QK_7	17.5	X	145.25722	204.96639	131.62038	7.15801	0.1486141	0.28689195	2.2767944	21	—	—
539445 2016 QX_8	16.6	X	88.33282	139.55649	161.08784	12.59332	0.1899940	0.23642867	2.5902159	21	12 15.7	20.9
539446 2016 QG_9	16.9	X	37.01893	285.95512	56.28921	6.71105	0.0277208	0.22680770	2.6629572	21	11 15.0	20.3
539447 2016 QS_9	16.9	X	84.22460	161.62106	133.86236	14.05725	0.1695072	0.23084847	2.6317909	21	12 4.7	21.1
539448 2016 QX_9	16.1	X	306.65892	208.84684	137.89255	18.08845	0.2251582	0.17358479	3.1826944	21	6 19.1	20.4
539449 2016 QU_{11}	17.1	X	40.15349	77.99529	275.47165	7.87882	0.1376378	0.23370378	2.6103108	21	12 20.9	20.6
539450 2016 QV_{13}	17.4	X	79.21590	327.28321	312.95738	4.07693	0.1465977	0.22144355	2.7057896	21	11 2.5	21.3
539451 2016 QY_{14}	15.6	X	33.47558	71.11008	148.19788	26.42939	0.1728552	0.17363569	3.1820723	21	6 16.2	19.9
539452 2016 QE_{16}	16.1	X	285.33585	118.00436	245.65579	8.30749	0.1051794	0.17441021	3.1726447	21	6 26.9	20.5
539453 2016 QG_{19}	16.6	X	116.55651	338.34244	242.43310	7.65100	0.1401997	0.21140382	2.7907922	21	9 25.6	21.0
539454 2016 QP_{19}	16.3	X	349.27449	36.97932	287.33334	8.18034	0.0606803	0.19043073	2.9921133	21	8 11.2	20.2
539455 2016 QS_{19}	16.4	X	340.51469	37.20460	289.75080	8.67405	0.1001221	0.18722507	3.0261704	21	7 31.5	20.1
539456 2016 QZ_{19}	16.5	X	194.72304	228.15257	267.26127	7.36410	0.1027015	0.19549420	2.9402221	21	8 26.4	21.1
539457 2016 QK_{22}	18.2	X	214.49405	347.18221	248.58319	4.60272	0.2151717	0.28026833	2.3125264	21	—	—
539458 2016 QN_{26}	16.7	X	68.81187	344.27952	301.17721	8.99775	0.2355610	0.22145529	2.7056940	21	11 7.1	20.9
539459 2016 QK_{27}	16.4	X	303.17241	177.50112	195.22827	11.35825	0.1176806	0.17976728	3.1092975	21	7 29.6	20.7
539460 2016 QR_{27}	16.5	X	284.10331	209.49532	211.58750	9.26651	0.0673431	0.19548530	2.9403113	21	9 12.3	20.6
539461 2016 QD_{31}	17.6	X	66.82390	241.89965	89.69875	5.00622	0.0955161	0.23671334	2.5881388	21	12 20.4	21.2
539462 2016 QG_{32}	17.4	X	70.58039	248.31166	75.66004	4.74103	0.1611470	0.23639272	2.5904785	21	12 22.7	21.0
539463 2016 QX_{35}	16.9	X	107.32636	114.55051	185.66376	2.32844	0.1938714	0.25082917	2.4901033	21	—	—
539464 2016 QF_{37}	17.4	X	139.84881	317.84589	342.42618	6.72281	0.0960558	0.26686026	2.3893519	21	—	—
539465 2016 QX_{39}	17.0	X	171.42931	194.37764	21.10014	10.00861	0.1416725	0.23749665	2.5824449	21	11 13.4	21.1
539466 2016 QQ_{41}	17.3	X	91.24764	96.27719	182.16493	12.76370	0.1637382	0.22608152	2.6686565	21	11 19.0	21.5
539467 2016 QA_{42}	17.4	X	167.12093	337.80862	305.33111	5.49775	0.2274408	0.27530765	2.3402228	21	—	—
539468 2016 QS_{42}	16.2	X	338.74812	13.54995	311.53320	13.50898	0.0349892	0.18333529	3.0688242	21	7 31.1	20.3
539469 2016 QT_{46}	16.9	X	85.81541	275.81384	352.69600	12.51362	0.1820998	0.22201078	2.7011789	21	10 26.9	21.2
539470 2016 QC_{47}	16.2	X	52.44545	297.44641	358.34780	14.00981	0.1168814	0.21154787	2.7895251	21	10 13.1	19.9
539471 2016 QF_{47}	18.4	X	180.31905	169.60347	120.68370	3.32451	0.2386346	0.28681113	2.2772221	21	—	—
539472 2016 QA_{50}	16.8	X	179.38277	216.05941	324.62302	13.06090	0.1162339	0.22090489	2.7101864	21	10 4.5	21.2
539473 2016 QU_{50}	17.1	X	101.78547	121.13218	162.18183	10.85199	0.1555430	0.23924948	2.5698161	21	12 5.7	21.3
539474 2016 QC_{51}	17.0	X	18.11110	157.49928	182.58072	5.27539	0.1034617	0.21662378	2.7457772	21	10 25.8	20.2
539475 2016 QG_{55}	17.9	X	151.32098	43.23658	268.50912	7.04532	0.2363989	0.28090571	2.3090270	21	—	—
539476 2016 QS_{55}	16.9	X	103.11698	284.65146	295.68282	13.73902	0.0996197	0.20340250	2.8635088	21	9 2.8	21.4
539477 2016 QX_{56}	17.1	X	164.14854	36.03926	242.03346	6.45649	0.0878521	0.26960288	2.3731200	21	—	—
539478 2016 QL_{57}	16.3	X	301.18938	198.94937	168.27749	21.86932	0.1255007	0.18569067	3.0428182	21	7 19.7	20.6
539479 2016 QS_{57}	17.5	X	92.84963	82.79610	185.83705	12.00261	0.1492314	0.22895085	2.6463130	21	11 7.5	21.6
539480 2016 QL_{58}	16.7	X	264.53610	102.36164	299.92853	15.33546	0.2543342	0.17495722	3.1660283	21	7 2.4	21.7
539481 2016 QY_{64}	18.4	X	168.78951	349.50737	281.08796	3.65109	0.1836246	0.27328843	2.3517359	21	—	—
539482 2016 QT_{65}	16.7	X	297.81244	61.61617	304.86697	9.46827	0.0690388	0.18563759	3.0433982	21	7 23.9	20.8
539483 2016 QP_{66}	17.1	X	6.29691	134.44351	221.66088	4.78254	0.1067037	0.21855644	2.7295663	21	10 28.0	20.2
539484 2016 QL_{68}	17.0	X	21.97371	95.78883	222.29037	4.10818	0.1712187	0.21002881	2.8029594	21	10 8.0	20.2
539485 2016 QL_{72}	17.5	X	14.52659	130.74197	234.73365	0.53192	0.0663853	0.22641829	2.6660096	21	11 19.3	20.8
539486 2016 QS_{72}	17.0	X	123.68614	271.10084	2.71100	14.52142	0.0952900	0.23186579	2.6240872	21	12 6.9	21.2
539487 2016 QX_{72}	15.5	X	12.73509	280.59157	357.64905	17.52533	0.2118504	0.17757867	3.1347929	21	8 4.1	19.1
539488 2016 QD_{73}	16.4	X	252.64059	80.50906	358.25846	12.84295	0.0843095	0.18235030	3.0798653	21	8 28.0	20.8
539489 2016 QV_{75}	16.6	X	328.43615	106.40142	278.03012	13.56890	0.1577615	0.20252369	2.8717866	21	9 18.9	20.1
539490 2016 QX_{75}	17.1	X	87.62781	51.47970	244.85288	10.71603	0.1893806	0.23663199	2.5887319	21	12 8.8	21.2
539491 2016 QG_{76}	16.7	X	101.63128	324.76663	295.59114	11.29498	0.2209212	0.22983078	2.6395542	21	11 6.3	21.2
539492 2016 QL_{77}	16.0	X	89.37471	346.15165	291.82159	12.41116	0.1678597	0.22374540	2.6871999	21	11 11.5	20.4
539493 2016 QK_{79}	16.9	X	127.82471	314.53460	256.25794	11.85182	0.1587099	0.20946670	2.8079717	21	9 22.9	21.7
539494 2016 QM_{79}	16.1	X	39.92781	347.74547	276.85265	14.33630	0.2021967	0.19634700	2.9317023	21	8 22.4	19.9
539495 2016 QQ_{82}	16.9	X	303.67637	272.67527	180.67345	15.16316	0.0836529	0.22804550	2.6533124	21	11 30.7	20.4
539496 2016 QK_{84}	17.2	X	157.40746	208.90326	76.74959	7.76014	0.1273030	0.26879956	2.3778458	21	—	—
539497 2016 QK_{85}	16.0	X	336.07082	142.83853	191.68534	8.80369	0.1014273	0.17404621	3.1770667	21	8 1.6	20.1
539498 2016 QH_{86}	16.1	X	260.74580	13.05522	61.15528	19.28752	0.1165885	0.16914342	3.2381675	21	9 2.6	21.1
539499 2016 QT_{87}	16.9	X	327.04358	201.33268	171.88240	10.52315	0.0942635	0.19883964	2.9071498	21	9 12.9	20.5
539500 2016 QW_{87}	17.3	X	125.64524	352.48321	289.17695	4.89345	0.1333392	0.24097367	2.5575432	21	12 23.6	21.2
539501 2016 QL_{88}	16.3	X	300.61959	195.72594	178.05253	11.82289	0.0966001	0.17646603	3.1479559	21	7 30.8	20.7
539502 2016 QU_{88}	17.4	X	284.40721	59.59432	23.55324	5.11840	0.0061475	0.21763343	2.7372784	21	10 24.5	20.9
539503 2016 QW_{88}	16.7	X	116.86443	164.07567	83.92671	9.17198	0.1661076	0.21314523	2.7755707	21	11 5.8	21.2
539504 2016 QY_{88}	17.7	X	95.12542	298.98585	5.43861	1.77367	0.0641153	0.22847985	2.6499486	21	12 13.6	21.3
539505 2016 QA_{89}	16.6	X	179.56843	118.98378	15.99461	9.30114	0.0206466	0.17339415	3.1850268	21	8 17.9	21.3
539506 2016 QB_{89}	16.2	X	224.50756	57.61629	52.90991	10.99350	0.0716851	0.18029916	3.1031796	21	9 7.7	20.9
539507 2016 QD_{89}	16.3	X	117.18156	234.50980	341.02975	10.21124	0.0285499	0.18860352	3.0114075	21	9 9.9	20.6
539508 2016 QE_{89}	16.3	X	55.56688	40.68575	198.21323	8.40118	0.1387304	0.18060196	3.0997101	21	8 5.8	20.5
539509 2016 QH_{89}	16.5	X	280.15174	327.79899	90.06312	11.61868	0.0443500	0.19026557	2.9938446	21	9 14.4	20.8
539510 2016 QN_{89}	17.2	X	102.59417	18.63514	267.60466	9.80825	0.1069484	0.23296033	2.6158614	21	12 3.7	21.0
539511 2016 QA_{90}	17.0	X	330.95911	257.37398	123.75850	1.93519	0.0627509	0.19581940	2.9369660	21	10 1.9	20.8
539512 2016 QD_{90}	16.6	X	315.34761	24.07907	333.95473	15.02392	0.0944337	0.18458155	3.0549951	21	8 7.0	20.5
539513 2016 QG_{90}	16.5	X	118.42763	270.40617	18.84637	12.99552	0.1692357	0.22889304	2.6467586	21	12 25.2	21.0
539514 2016 QJ_{90}	15.8	X	241.19499	26.98405	81.09560	13.41389	0.1111731	0.18195763	3.0842947	21	9 20.6	20.6
539515 2016 QO_{90}	17.3	X	328.58611	43.77752	23.48498	2.86976	0.0587669	0.22126234	2.7072667	21	11 30.9	20.7
539516 2016 QL_{91}	17.0	X	35.33054	268.45770	94.54739	10.41058	0.2281106	0.22109951	2.7085958	21	—	—
539517 2016 QQ_{91}	17.3	X	86.65872	69.94567	256.22903	5.03593	0.0977628	0.24084120	2.5584810	21	—	—
539518 2016 QX_{91}	16.9	X	222.80933	103.40292	19.89291	9.94893	0.0556800	0.19036362	2.9928165	21	9 20.9	21.3
539519 2016 QY_{91}	16.7	X	265.48166	35.00002	18.17249	6.73491	0.0859427	0.17283901	3.1918431	21	8 9.8	21.3
539520 2016 QJ_{92}	16.9	X	60.74940	232.51647	75.62977	4.58214	0.0827958	0.21242862	2.7818093	21	11 8.5	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
539521 2016 QK_{92}	17.2	X	355.08691	251.50501	132.24925	6.12019	0.0689691	0.21168591	2.7883123	21	11 14.4	20.7
539522 2016 QM_{92}	16.2	X	26.59346	206.76054	112.23864	13.02438	0.0531615	0.19429627	2.9522949	21	10 6.7	20.4
539523 2016 QN_{92}	16.5	X	215.33334	97.38663	19.58553	16.59069	0.1678370	0.17518416	3.1632935	21	8 30.0	21.8
539524 2016 QQ_{92}	16.7	X	101.42863	252.64769	8.60946	14.70625	0.0672785	0.21159221	2.7891354	21	10 22.5	20.9
539525 2016 QV_{92}	16.4	X	302.15300	180.89950	200.81103	11.61853	0.1031144	0.18076811	3.0978104	21	8 10.4	20.7
539526 2016 QY_{92}	16.8	X	306.60462	346.15770	38.78363	2.47206	0.0837206	0.18512643	3.0489977	21	8 28.9	20.7
539527 2016 QG_{94}	16.4	X	21.95062	201.99009	81.29965	11.23222	0.0720746	0.17832652	3.1260224	21	8 11.5	20.6
539528 2016 QU_{94}	15.9	X	59.75973	339.47983	264.50570	10.62751	0.1068042	0.17868839	3.1218006	21	8 11.6	20.3
539529 2016 QX_{94}	16.1	X	339.29617	46.45686	304.83469	14.00150	0.2065188	0.18117014	3.0932259	21	8 23.0	19.5
539530 2016 QY_{94}	17.2	X	148.54135	242.57684	359.42766	3.17038	0.0279195	0.22165778	2.7040459	21	11 23.7	20.9
539531 2016 QB_{95}	16.1	X	217.47387	184.67031	275.50818	9.07378	0.0533505	0.17919796	3.1158796	21	8 10.4	20.8
539532 2016 RY_{1}	16.1	X	312.81514	24.54755	321.01935	11.39565	0.1095717	0.17476097	3.1683982	21	7 14.0	20.3
539533 2016 RY_{3}	15.8	X	84.32031	222.43635	323.11357	25.42411	0.1212255	0.17099131	3.2147955	21	7 12.6	20.6
539534 2016 RA_{5}	17.9	X	101.09799	77.00461	202.90853	9.80388	0.1352193	0.23733433	2.5836222	21	11 28.4	21.9
539535 2016 RQ_{6}	16.0	X	90.44467	246.29509	303.48081	13.34648	0.1023407	0.17937604	3.1138171	21	7 17.3	20.3
539536 2016 RF_{7}	16.3	X	336.07207	300.89571	12.84256	13.04349	0.1213387	0.18095561	3.0956702	21	7 7.6	20.3
539537 2016 RV_{8}	16.2	X	276.41284	76.30759	300.26213	8.40504	0.1016441	0.17513980	3.1638277	21	7 3.5	20.7
539538 2016 RL_{9}	18.3	X	190.58958	346.51754	287.82718	3.28323	0.2315148	0.28859198	2.2678442	21	—	—
539539 2016 RZ_{9}	18.2	X	13.49051	119.36503	250.13368	1.35842	0.2225253	0.22339238	2.6900302	21	12 14.4	21.0
539540 2016 RN_{11}	16.3	X	326.89303	24.46959	10.77100	13.44257	0.2216054	0.20131869	2.8832346	21	10 5.2	18.8
539541 2016 RE_{13}	16.8	X	238.80466	234.49350	191.16355	8.59586	0.0378147	0.18313594	3.0710507	21	7 25.9	21.3
539542 2016 RH_{14}	16.4	X	33.05731	98.15736	163.29735	15.98719	0.0950579	0.18685660	3.0301474	21	7 27.9	20.4
539543 2016 RA_{21}	17.0	X	85.40228	293.76239	17.25268	11.69269	0.2138604	0.23278566	2.6171698	21	12 25.7	21.4
539544 2016 RG_{22}	18.0	X	147.75380	196.98735	83.83765	6.96061	0.2629266	0.26698302	2.3886194	21	—	—
539545 2016 RL_{22}	18.0	X	161.99177	327.24823	319.57954	1.93534	0.1957251	0.27722358	2.3294279	21	—	—
539546 2016 RD_{25}	16.3	X	345.84532	261.06752	68.33991	14.48297	0.1176180	0.18291306	3.0735450	21	8 19.7	20.2
539547 2016 RK_{25}	16.2	X	15.53074	169.64847	118.72413	16.57647	0.0740165	0.17608710	3.1524704	21	8 6.1	20.2
539548 2016 RW_{25}	16.3	X	294.10923	205.73107	195.95290	9.60068	0.1347715	0.18811622	3.0166057	21	8 21.7	20.4
539549 2016 RZ_{25}	16.9	X	219.32666	25.61030	128.26876	9.75362	0.0363587	0.21528356	2.7571610	21	10 31.9	20.9
539550 2016 RH_{26}	16.2	X	21.75551	224.95845	76.28855	7.46216	0.2094478	0.19700267	2.9251938	21	9 23.3	19.5
539551 2016 RR_{26}	16.3	X	55.27789	180.41771	67.00891	10.06855	0.0395928	0.17417970	3.1754433	21	8 7.8	20.8
539552 2016 RK_{27}	16.4	X	91.85021	267.44222	352.53986	10.29197	0.0793162	0.20630137	2.8366210	21	10 11.2	20.6
539553 2016 RJ_{28}	16.8	X	56.80363	159.71343	147.78709	8.36077	0.1329849	0.21782876	2.7356418	21	11 12.7	20.7
539554 2016 RQ_{30}	16.5	X	302.99141	198.78680	169.92462	10.33230	0.0938559	0.17768045	3.1335957	21	7 28.6	20.7
539555 2016 RZ_{32}	16.6	X	104.65892	359.63119	279.39160	11.85071	0.1401303	0.22649252	2.6654271	21	11 28.0	20.8
539556 2016 RN_{33}	17.9	X	131.22641	286.47090	350.67064	1.18074	0.1369645	0.24469366	2.5315562	21	12 23.9	21.7
539557 2016 RV_{34}	16.4	X	307.18223	64.23774	292.51618	3.52035	0.0398941	0.17291673	3.1908866	21	7 27.1	20.6
539558 2016 RK_{35}	16.5	X	305.84621	212.04120	156.11898	9.68809	0.0446289	0.18104660	3.0946328	21	8 8.1	20.7
539559 2016 RR_{37}	17.6	X	151.39247	277.68276	24.48750	14.68203	0.1991838	0.26751429	2.3854559	21	—	—
539560 2016 RV_{37}	16.7	X	258.76322	274.75618	148.20714	12.92368	0.1519966	0.18102575	3.0948705	21	8 1.7	21.3
539561 2016 RW_{39}	17.8	X	173.36502	187.39382	96.91389	3.37120	0.1716907	0.27703441	2.3304882	21	—	—
539562 2016 RM_{44}	16.5	X	262.15362	230.80200	192.03091	26.45695	0.0884802	0.17826173	3.1267799	21	8 10.5	21.4
539563 2016 RH_{45}	16.3	X	23.89674	239.07558	66.34195	13.47961	0.0884914	0.18975530	2.9992093	21	9 20.0	20.4
539564 2016 RM_{45}	16.0	X	2.99946	57.54442	250.52733	8.20863	0.0761844	0.18009220	3.1055566	21	8 8.9	20.1
539565 2016 RO_{45}	17.3	X	78.46787	51.79181	244.35688	1.07746	0.0648328	0.22447599	2.6813661	21	11 13.4	20.8
539566 2016 RU_{45}	17.4	X	338.17651	165.81051	233.23386	5.66075	0.0201871	0.21199202	2.7856275	21	11 5.9	21.0
539567 2016 RV_{45}	16.1	X	125.67243	203.58614	12.20531	14.03366	0.0479973	0.18816514	3.0160829	21	9 24.9	20.4
539568 2016 RX_{45}	15.9	X	91.53985	276.27978	303.39189	8.06167	0.0591661	0.17930464	3.1146436	21	8 17.3	20.3
539569 2016 RA_{46}	15.9	X	185.08715	191.34874	325.72345	12.08529	0.0555992	0.19271441	2.9684285	21	9 13.8	20.3
539570 2016 RM_{46}	16.1	X	6.46402	224.88420	78.84303	14.60582	0.0921035	0.17921214	3.1157152	21	8 17.9	20.2
539571 2016 RT_{46}	16.3	X	69.69804	351.86252	319.09333	7.56204	0.1009373	0.21266536	2.7797445	21	11 22.5	20.3
539572 2016 RY_{46}	16.2	X	286.18300	48.87889	335.14862	15.23934	0.1173539	0.17593067	3.1543389	21	7 27.0	20.6
539573 2016 RZ_{46}	17.0	X	6.86393	330.50020	55.88724	17.91136	0.1858894	0.22020908	2.7158924	21	12 17.4	20.2
539574 2016 RA_{47}	16.8	X	340.76509	338.78023	76.01020	14.29960	0.0488895	0.22161926	2.7043592	21	12 3.1	20.0
539575 2016 RB_{47}	17.4	X	136.18533	89.16786	189.55339	4.64037	0.1180914	0.23798827	2.5788872	21	12 28.9	21.5
539576 2016 RE_{47}	16.2	X	199.46103	300.98775	239.34110	11.36145	0.0903538	0.21601622	2.7509233	21	10 31.0	20.4
539577 2016 RZ_{47}	16.6	X	286.42197	236.25686	162.39148	10.72685	0.1264000	0.18188384	3.0851288	21	8 8.9	20.8
539578 2016 RJ_{48}	17.4	X	346.89701	265.19828	123.48337	13.87956	0.1090479	0.21134337	2.7913243	21	11 13.7	20.9
539579 2016 RL_{49}	16.7	X	33.72845	98.66294	216.48240	13.74687	0.2083192	0.20660811	2.8338127	21	10 29.1	20.1
539580 2016 RS_{49}	16.7	X	31.31509	319.16786	340.90023	9.83266	0.0903021	0.19114054	2.9847011	21	9 14.9	20.4
539581 2016 RV_{49}	17.3	X	87.65024	300.88461	341.30142	8.64500	0.1167463	0.21430938	2.7655102	21	11 8.1	21.5
539582 2016 RC_{50}	16.9	X	254.47652	98.81280	354.09220	8.97228	0.0557243	0.18854287	3.0120532	21	9 18.1	21.1
539583 2016 RJ_{50}	16.7	X	122.35013	115.97953	83.37897	10.10020	0.0807014	0.18874145	3.0099402	21	9 6.5	21.3
539584 2016 SM_{4}	16.1	X	19.19215	20.60767	272.92266	15.35361	0.0944054	0.18372609	3.0644709	21	8 12.9	20.3
539585 2016 SU_{4}	16.0	X	107.27878	299.12585	268.77279	14.24801	0.0142798	0.18200238	3.0837891	21	8 11.6	20.6
539586 2016 SW_{4}	16.5	X	112.32810	14.03675	273.38696	13.10977	0.1011476	0.23630612	2.5911113	21	12 15.7	20.3
539587 2016 SZ_{4}	16.3	X	260.15510	141.60826	269.79035	12.91189	0.1341823	0.17253186	3.1956302	21	7 20.3	21.1
539588 2016 SX_{5}	16.5	X	315.67666	29.16544	315.14940	16.77788	0.2527738	0.17423621	3.1747567	21	6 26.0	20.4
539589 2016 SJ_{7}	15.4	X	38.65212	326.27131	292.00948	16.26516	0.1825112	0.17773642	3.1329378	21	8 9.9	19.3
539590 2016 SD_{8}	16.1	X	116.26619	335.54044	290.12426	12.61152	0.1145391	0.22477684	2.6789730	21	11 20.1	20.4
539591 2016 SH_{9}	18.0	X	178.66583	323.27790	310.35922	0.55503	0.1701140	0.26988954	2.3714393	21	—	—
539592 2016 SU_{10}	16.9	X	354.18836	10.69865	356.60712	4.12785	0.0440449	0.20545916	2.8443675	21	10 16.9	20.5
539593 2016 ST_{11}	16.4	X	325.04875	190.43991	169.07216	7.44171	0.0948805	0.18094515	3.0957895	21	8 19.6	20.3
539594 2016 SV_{14}	17.8	X	44.50366	168.03373	179.35894	2.20975	0.1040651	0.22430940	2.6826936	21	12 12.0	21.2
539595 2016 SJ_{15}	18.0	X	173.34538	314.42398	331.21283	1.80122	0.2217945	0.27470205	2.3436609	21	—	—
539596 2016 SO_{21}	16.5	X	9.53210	280.68254	156.19941	9.65723	0.1054574	0.23650833	2.5896342	21	—	—
539597 2016 SP_{21}	16.3	X	340.33346	182.30048	158.29562	10.25334	0.2136282	0.17723152	3.1388851	21	8 12.5	19.6
539598 2016 SC_{24}	16.7	X	343.03808	206.95877	193.45616	14.23853	0.0964810	0.21068146	2.7971676	21	11 18.6	20.2
539599 2016 SG_{25}	16.7	X	32.46351	121.58854	155.47529	10.46059	0.1125721	0.18242867	3.0789832	21	8 19.9	20.6
539600 2016 SO_{25}	16.6	X	299.89668	229.67657	170.23857	9.36482	0.0876088	0.18901083	3.0070796	21	9 5.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
539601 2016 SS_{25}	17.9	X	190.55077	161.13031	106.59275	2.31612	0.1629321	0.27140514	2.3626026	21	—	—
539602 2016 SD_{26}	16.7	X	42.42818	178.09096	154.48181	6.88334	0.0401428	0.21549566	2.7553516	21	11 11.6	20.5
539603 2016 SF_{28}	15.5	X	171.23056	266.92401	170.18490	9.56589	0.2729178	0.12537061	3.9537167	21	6 1.1	22.3
539604 2016 SV_{28}	16.5	X	40.17524	162.81909	160.36874	6.35409	0.0373875	0.20929134	2.8095399	21	10 26.1	20.2
539605 2016 SR_{29}	18.0	X	148.28780	170.90981	132.52121	2.19515	0.1812100	0.25931292	2.4354915	21	—	—
539606 2016 SS_{31}	17.3	X	45.25573	287.75807	61.38024	6.10250	0.1299093	0.21934722	2.7230020	21	12 17.4	21.0
539607 2016 SO_{33}	16.4	X	339.34338	177.11644	171.07546	10.51785	0.0640296	0.18226736	3.0807996	21	8 28.6	20.4
539608 2016 SY_{34}	15.8	X	2.85722	6.96653	273.09837	11.98398	0.1408526	0.17037330	3.2225651	21	7 5.7	19.4
539609 2016 SZ_{34}	16.8	X	120.48670	310.62751	317.06590	13.70192	0.2415896	0.23752799	2.5822177	21	12 4.1	21.5
539610 2016 SR_{38}	17.9	X	86.78706	214.55227	151.28025	1.96414	0.1914821	0.25570129	2.4583710	21	—	—
539611 2016 SG_{40}	17.5	X	121.97335	134.76760	144.09584	2.60586	0.1510530	0.23581132	2.5947347	21	12 16.7	21.6
539612 2016 SK_{40}	16.7	X	349.97154	218.99741	96.47756	1.97255	0.0794494	0.17437225	3.1731052	21	8 2.1	20.8
539613 2016 SZ_{40}	16.8	X	306.75861	305.32974	102.98442	3.24972	0.0216424	0.19833618	2.9120674	21	10 6.9	20.7
539614 2016 SB_{41}	17.1	X	110.35464	78.85784	178.28755	15.18084	0.1751990	0.21741983	2.7390710	21	11 11.8	21.7
539615 2016 SM_{41}	16.8	X	264.97860	283.42144	139.17561	4.05907	0.0748822	0.17830461	3.1262786	21	8 20.6	21.2
539616 2016 SA_{42}	18.1	X	133.68522	188.05552	108.95196	2.53306	0.1711265	0.25249276	2.4791536	21	—	—
539617 2016 SS_{42}	17.6	X	52.00398	301.13415	28.84559	5.98132	0.0420414	0.21547370	2.7555389	21	11 17.6	21.3
539618 2016 SB_{44}	17.7	X	99.47838	275.73884	84.53317	3.49293	0.2116274	0.25896446	2.4376758	21	—	—
539619 2016 SG_{44}	16.8	X	162.92728	95.08095	159.13926	10.55992	0.1883876	0.23829949	2.5766414	21	12 22.9	21.2
539620 2016 SA_{46}	15.8	X	4.01285	308.98061	350.90713	10.28097	0.0687843	0.17657182	3.1466984	21	8 5.9	19.9
539621 2016 SB_{46}	16.8	X	283.97189	56.58319	349.94298	9.60592	0.0859669	0.18371314	3.0646148	21	8 25.3	20.9
539622 2016 SC_{48}	16.1	X	13.38672	142.99073	171.53653	9.00613	0.1261314	0.18587346	3.0408229	21	9 10.3	19.7
539623 2016 SV_{48}	16.2	X	348.56135	194.44793	124.77635	13.21954	0.1749539	0.17290291	3.1910566	21	8 2.3	19.7
539624 2016 SC_{49}	17.2	X	345.02082	139.92489	235.71037	1.05080	0.0785706	0.20359818	2.8616738	21	10 15.9	20.6
539625 2016 SG_{49}	16.6	X	273.14370	253.63687	161.39362	6.24942	0.1585823	0.17337641	3.1852440	21	8 7.7	21.1
539626 2016 SM_{49}	17.1	X	81.85821	148.90925	150.23922	3.84621	0.0744483	0.21334391	2.7738473	21	11 21.7	21.1
539627 2016 SS_{49}	17.4	X	49.59626	324.98073	20.00802	5.12175	0.1243566	0.22403849	2.6848558	21	12 17.7	21.1
539628 2016 ST_{49}	17.9	X	140.09700	8.36404	279.17214	0.98480	0.0966385	0.24751232	2.5123000	21	—	—
539629 2016 SA_{50}	16.4	X	50.30711	162.49306	120.80810	12.66596	0.1210219	0.18698440	3.0287665	21	10 1.1	20.6
539630 2016 SC_{50}	16.4	X	265.98614	229.84136	197.50265	12.93710	0.0853709	0.18072783	3.0982706	21	8 22.9	21.0
539631 2016 SE_{50}	16.8	X	49.77457	311.59908	14.08899	10.97397	0.1119594	0.21696625	2.7428871	21	11 17.8	20.6
539632 2016 SL_{50}	16.6	X	10.82318	300.47953	47.70508	12.70059	0.0772820	0.19816440	2.9137501	21	10 21.4	20.3
539633 2016 SN_{50}	16.4	X	11.76231	298.79556	3.58324	8.38027	0.0949145	0.18130882	3.0916484	21	8 22.6	20.3
539634 2016 SO_{50}	16.7	X	25.15998	266.64199	32.76927	9.84646	0.0738267	0.18407379	3.0606106	21	9 8.5	20.8
539635 2016 SR_{50}	16.5	X	97.24348	201.69159	92.23890	15.34446	0.0977885	0.21258835	2.7804158	21	12 5.3	20.7
539636 2016 ST_{50}	16.2	X	355.82411	90.22375	224.86766	8.83278	0.0488375	0.17840502	3.1251054	21	8 6.8	20.5
539637 2016 SX_{50}	17.0	X	58.77815	217.66440	117.52490	5.08787	0.1903819	0.22458009	2.6805374	21	12 25.3	20.8
539638 2016 SY_{50}	16.9	X	34.23284	75.24197	280.85867	7.92091	0.1242016	0.22253374	2.6969453	21	12 12.0	20.3
539639 2016 SC_{51}	16.9	X	53.30578	220.67722	155.43175	13.79191	0.1875037	0.23564560	2.5959510	21	—	—
539640 2016 SD_{51}	17.4	X	48.98066	340.30649	8.64029	6.16066	0.1246423	0.22689882	2.6622442	21	12 22.8	21.1
539641 2016 SE_{51}	18.1	X	46.85964	208.96798	148.21056	1.59739	0.1122585	0.22724727	2.6595221	21	12 28.8	21.7
539642 2016 SF_{51}	17.2	X	75.05156	305.60398	24.77157	5.28055	0.0458723	0.22759643	2.6568014	21	12 20.3	21.0
539643 2016 SG_{51}	16.8	X	269.39953	337.83792	95.90126	4.08523	0.0751848	0.18221317	3.0814103	21	9 11.5	21.1
539644 2016 SH_{51}	17.6	X	72.18638	287.71779	40.88063	9.57963	0.1193034	0.22617931	2.6678872	21	12 23.1	21.5
539645 2016 SJ_{51}	16.3	X	331.95280	214.41549	145.31360	8.48783	0.1422770	0.18048203	3.1010831	21	8 29.6	19.8
539646 2016 SN_{51}	17.5	X	126.15054	275.31513	47.45073	15.94321	0.1682462	0.25124182	2.4873759	21	—	—
539647 2016 SR_{51}	17.3	X	69.08149	191.80564	166.93698	2.78798	0.1219573	0.23239645	2.6200911	21	—	—
539648 2016 ST_{51}	15.9	X	62.88391	348.94971	271.93497	10.32339	0.0685212	0.18672241	3.0315990	21	8 31.4	20.3
539649 2016 SF_{54}	17.0	X	46.80845	197.77321	132.64122	6.07616	0.1662228	0.21130277	2.7916818	21	12 1.1	20.9
539650 2016 SQ_{54}	16.5	X	73.77624	165.32059	93.31496	10.83421	0.0441574	0.17708987	3.1405586	21	9 18.2	21.1
539651 2016 SE_{59}	16.9	X	341.73244	168.72829	218.39927	5.46608	0.0742814	0.20107044	2.8856073	21	10 25.5	20.3
539652 2016 TW	16.8	X	174.35008	272.14741	333.57107	5.87329	0.1176951	0.24188453	2.5511186	21	12 27.5	20.7
539653 2016 TT_{2}	17.2	X	108.75782	100.58697	190.97136	27.97606	0.3618741	0.23496563	2.6009569	21	12 26.4	22.7
539654 2016 TC_{4}	18.1	X	188.98223	74.75345	219.88473	2.06929	0.2070504	0.28863313	2.2676286	21	—	—
539655 2016 TF_{4}	16.2	X	287.32027	222.14085	184.68262	10.98810	0.0916351	0.18701788	3.0284051	21	8 25.6	20.3
539656 2016 TL_{4}	16.5	X	358.83239	135.69230	190.59785	8.53273	0.0877630	0.18905585	3.0066022	21	8 29.2	20.3
539657 2016 TO_{4}	16.3	X	54.52862	256.50811	355.71450	10.33663	0.0522801	0.17881397	3.1203388	21	8 14.9	20.6
539658 2016 TQ_{4}	16.8	X	349.09195	125.17909	194.05863	6.11721	0.1041629	0.18053716	3.1004518	21	8 3.3	20.7
539659 2016 TD_{6}	16.7	X	55.98443	59.34784	257.45326	8.35237	0.1809372	0.21852359	2.7298398	21	11 27.1	20.5
539660 2016 TW_{11}	15.9	X	324.09064	72.73489	272.57366	7.58493	0.1481818	0.17521299	3.1629466	21	7 23.9	19.8
539661 2016 TQ_{12}	16.1	X	332.91661	134.17410	219.72904	15.87967	0.1488717	0.18225239	3.0809682	21	8 15.8	20.0
539662 2016 TB_{16}	16.1	X	358.91159	27.88273	273.10647	12.58546	0.0927009	0.17545837	3.1599969	21	7 24.8	20.2
539663 2016 TT_{22}	16.0	X	309.24477	117.63455	264.02231	9.88821	0.0234843	0.18752660	3.0229256	21	8 28.8	20.3
539664 2016 TS_{25}	17.2	X	179.69441	5.92929	230.19628	11.18925	0.1279434	0.23696205	2.5863275	21	12 18.8	21.3
539665 2016 TJ_{26}	17.2	X	111.19390	56.96945	231.44633	14.72357	0.1710663	0.24028729	2.5624114	21	12 18.9	21.5
539666 2016 TX_{27}	15.9	X	239.03361	221.51199	220.09234	8.37003	0.0712494	0.17394640	3.1782819	21	8 9.9	20.7
539667 2016 TL_{29}	17.1	X	22.06683	357.86309	354.51155	15.22608	0.1463009	0.20402552	2.8576764	21	11 13.3	20.9
539668 2016 TW_{30}	17.1	X	66.99354	17.68038	338.52134	10.64893	0.1823997	0.23794081	2.5792301	21	—	—
539669 2016 TM_{34}	17.6	X	103.84924	61.61188	248.73640	9.75442	0.1351996	0.24098168	2.5574866	21	—	—
539670 2016 TU_{34}	16.7	X	346.73578	84.11603	263.03229	8.41601	0.0543270	0.18831564	3.0144758	21	9 4.3	20.8
539671 2016 TW_{34}	15.7	X	318.68543	86.69159	264.54715	8.23702	0.0970795	0.17492156	3.1664587	21	7 27.9	19.8
539672 2016 TE_{35}	16.2	X	6.42746	342.75730	345.33250	9.17468	0.0775021	0.18991884	2.9974873	21	9 13.6	19.8
539673 2016 TO_{40}	17.7	X	100.94064	116.60058	200.82181	13.09251	0.1924816	0.24192330	2.5508461	21	—	—
539674 2016 TN_{42}	16.3	X	44.27106	260.11146	19.52567	9.14054	0.1234996	0.18299947	3.0725773	21	9 15.2	20.3
539675 2016 TQ_{42}	16.9	X	65.20142	106.68480	197.95494	3.97700	0.0450535	0.20486521	2.8498625	21	11 2.7	20.7
539676 2016 TM_{43}	16.6	X	348.51217	126.14061	196.16242	3.64631	0.0754063	0.17042348	3.2219325	21	8 7.2	20.7
539677 2016 TP_{45}	16.1	X	266.76781	133.14168	271.73368	10.86967	0.0641674	0.17387996	3.1790916	21	7 29.6	20.7
539678 2016 TZ_{46}	16.7	X	301.48635	160.23833	227.07755	6.89203	0.1778655	0.17124891	3.2115708	21	8 6.4	20.9
539679 2016 TL_{47}	17.7	X	101.03289	113.58227	213.58141	2.90975	0.2715407	0.23874679	2.5734221	21	—	—
539680 2016 TE_{53}	17.2	X	24.04408	45.29370	322.46543	5.50601	0.0536046	0.22459651	2.6804068	21	12 2.6	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
539681 2016 TE_{61}	16.3	X	150.33410	340.06370	194.68582	10.75938	0.0284885	0.17551579	3.1593076	21	8 26.6	21.0
539682 2016 TN_{63}	16.4	X	266.23302	249.36674	189.16104	11.31805	0.0712197	0.18646195	3.0344214	21	9 10.8	20.7
539683 2016 TB_{66}	15.8	X	11.30765	36.55435	259.81255	12.97058	0.1528559	0.17899875	3.1181911	21	8 8.8	19.6
539684 2016 TJ_{66}	17.2	X	95.38745	316.94546	327.60086	12.75423	0.2479375	0.22861038	2.6489398	21	12 3.2	21.8
539685 2016 TG_{70}	17.1	X	71.70088	309.99324	350.38970	8.79993	0.2331184	0.21965420	2.7204644	21	11 28.5	21.4
539686 2016 TK_{70}	16.7	X	354.15831	154.83196	200.39765	11.63395	0.0745692	0.19479559	2.9472477	21	9 30.8	20.5
539687 2016 TZ_{72}	15.2	X	149.20227	58.23321	44.92566	6.28062	0.1599088	0.12429486	3.9764965	21	6 8.2	21.4
539688 2016 TE_{75}	16.4	X	170.97423	142.36081	7.10238	9.76445	0.0480930	0.17424461	3.1746546	21	8 25.4	21.1
539689 2016 TF_{75}	16.4	X	37.59521	95.18642	201.01882	9.58113	0.0719416	0.18930296	3.0039852	21	9 15.8	20.4
539690 2016 TZ_{75}	16.3	X	31.66134	194.46514	95.37818	6.13346	0.1444764	0.18393650	3.0621334	21	9 12.8	20.1
539691 2016 TJ_{78}	16.0	X	19.28240	101.03546	223.38933	16.71048	0.1170215	0.18602175	3.0392067	21	9 28.6	20.0
539692 2016 TD_{79}	17.0	X	67.79605	333.84510	353.52437	14.53609	0.1739948	0.22323268	2.6913130	21	12 23.6	21.3
539693 2016 TB_{86}	16.3	X	198.05772	2.71403	161.26553	4.24756	0.0357943	0.18274333	3.0754478	21	10 12.2	20.8
539694 2016 TE_{93}	21.3	X	356.05562	353.20226	214.24047	22.73145	0.1756920	0.93547661	1.0354141	21	—	—
539695 2016 TS_{96}	16.3	X	68.37077	125.29077	149.98020	6.31178	0.2318761	0.19667996	2.9283926	21	10 27.0	20.6
539696 2016 TT_{96}	16.1	X	325.63295	221.74532	162.96489	10.95093	0.1174496	0.19227993	2.9728985	21	9 25.6	19.5
539697 2016 TB_{97}	16.0	X	20.86088	9.67283	305.88161	12.06553	0.2166873	0.19058793	2.9904678	21	9 29.7	19.6
539698 2016 TL_{97}	16.2	X	216.32558	256.36638	199.78725	9.12031	0.0905357	0.15157831	3.4837315	21	7 31.6	21.6
539699 2016 TN_{97}	16.1	X	28.62032	205.74645	145.09972	16.54479	0.0454316	0.18898907	3.0073104	21	11 15.7	20.5
539700 2016 TT_{97}	16.3	X	94.03034	244.25414	342.37596	11.42706	0.0345754	0.17523365	3.1626979	21	8 28.2	20.7
539701 2016 TL_{98}	16.2	X	310.53259	335.73314	40.68901	6.13970	0.1893716	0.17161605	3.2069889	21	8 10.2	20.1
539702 2016 TR_{98}	16.8	X	18.53798	272.02866	67.36509	10.71555	0.0916229	0.19115599	2.9845402	21	10 22.9	20.7
539703 2016 TX_{98}	16.9	X	351.98056	13.56400	347.88460	4.15708	0.1282022	0.18411771	3.0601239	21	10 5.8	20.4
539704 2016 TB_{100}	16.5	X	351.55045	228.78705	140.74582	10.21879	0.1476648	0.18759949	3.0221426	21	10 22.7	20.1
539705 2016 TM_{100}	17.2	X	43.67207	56.50014	300.73236	3.39260	0.0929173	0.21363107	2.7713610	21	12 19.3	21.0
539706 2016 TN_{100}	16.4	X	358.18233	68.10527	270.88883	7.14062	0.1025275	0.18572045	3.0424928	21	9 12.4	20.3
539707 2016 UM	16.0	X	48.34950	42.12555	254.19419	11.68905	0.0354872	0.19215915	2.9741441	21	9 22.2	20.4
539708 2016 UV	16.0	X	31.23038	269.73615	14.93037	10.30775	0.0817755	0.17475380	3.1684849	21	8 28.7	20.2
539709 2016 UN_{1}	16.8	X	64.02180	32.66361	257.62783	8.48893	0.0399264	0.19210840	2.9746679	21	10 7.5	21.1
539710 2016 UT_{2}	17.7	X	38.58658	323.85761	53.50924	2.19981	0.0918394	0.22559087	2.6725246	21	—	—
539711 2016 UL_{3}	17.0	X	42.05713	334.57649	7.36741	7.81336	0.1490898	0.21705622	2.7421291	21	12 5.6	20.7
539712 2016 UO_{11}	16.9	X	31.89548	17.66448	327.49361	3.01844	0.1083600	0.20962826	2.8065287	21	11 18.9	20.6
539713 2016 UP_{11}	16.7	X	260.41209	78.55630	1.34406	6.81420	0.0965573	0.17827986	3.1265679	21	9 3.9	21.0
539714 2016 UW_{11}	16.5	X	52.36709	289.85489	351.63178	4.52314	0.1361769	0.18905676	3.0065925	21	9 27.9	20.5
539715 2016 UK_{12}	17.0	X	294.88141	74.18806	353.43350	5.59671	0.0447989	0.19508799	2.9443021	21	10 9.9	21.0
539716 2016 UF_{14}	16.0	X	343.32391	120.86638	220.62619	11.62198	0.0458664	0.17086350	3.2163985	21	8 21.6	20.6
539717 2016 UN_{14}	17.5	X	80.31698	44.78014	272.07307	1.09292	0.2266958	0.22533913	2.6745146	21	12 28.0	21.8
539718 2016 UK_{23}	17.4	X	119.33506	280.17044	29.74936	12.27140	0.1900541	0.24088303	2.5581848	21	—	—
539719 2016 UR_{29}	16.4	X	294.68003	359.48671	45.94742	16.36055	0.1281413	0.17143522	3.2092436	21	9 8.4	20.9
539720 2016 US_{30}	16.6	X	12.86370	103.95916	254.30688	8.46570	0.1169993	0.20244142	2.8725646	21	11 7.4	20.1
539721 2016 UD_{35}	17.2	X	94.13050	124.05873	218.23667	7.71524	0.1724836	0.23802415	2.5786280	21	—	—
539722 2016 UW_{37}	17.6	X	224.40572	270.85644	339.05195	12.15486	0.1921681	0.27597128	2.3364695	21	—	—
539723 2016 UA_{38}	17.0	X	167.42817	293.90577	309.53557	8.58249	0.0887978	0.23319762	2.6140866	21	12 17.6	21.0
539724 2016 UL_{38}	16.8	X	121.53850	355.49919	267.90598	13.20276	0.2199802	0.22639259	2.6662114	21	11 28.8	21.4
539725 2016 UP_{38}	15.8	X	31.36888	15.01841	258.03503	15.87275	0.1631798	0.17598156	3.1537307	21	8 11.7	20.0
539726 2016 UK_{39}	16.4	X	295.27171	189.36028	235.01089	12.27186	0.0929673	0.18516481	3.0485763	21	9 26.1	20.6
539727 2016 UU_{44}	16.5	X	12.53466	332.28165	21.57991	6.36359	0.1662281	0.19197505	2.9760452	21	11 4.9	19.9
539728 2016 UV_{49}	17.3	X	152.07184	33.59272	246.34219	7.93806	0.1453566	0.23875236	2.5733821	21	—	—
539729 2016 UB_{50}	16.9	X	308.02255	168.49254	224.99260	13.39287	0.0635787	0.17773379	3.1329686	21	9 6.4	21.3
539730 2016 UC_{52}	15.9	X	304.63427	346.91216	55.04849	14.93070	0.1086611	0.17305894	3.1891383	21	9 20.6	20.3
539731 2016 UN_{58}	17.0	X	68.05237	72.26559	250.40350	12.97238	0.2308778	0.22440937	2.6818968	21	12 23.4	21.1
539732 2016 UK_{59}	16.5	X	73.61020	277.01110	3.28505	10.28934	0.0700764	0.19189964	2.9768248	21	10 12.9	20.8
539733 2016 UC_{60}	16.0	X	33.91427	337.55683	323.54094	3.77644	0.1225451	0.18506099	3.0497164	21	9 23.7	19.8
539734 2016 UY_{61}	16.5	X	272.39264	312.12881	113.56544	8.55904	0.1822005	0.17540924	3.1605869	21	8 19.5	20.9
539735 2016 UH_{63}	16.4	X	84.22539	197.22479	55.15468	14.78927	0.0297815	0.18283049	3.0744703	21	9 24.5	21.0
539736 2016 UK_{64}	17.4	X	97.82748	194.91387	132.32308	5.41811	0.0774487	0.23749874	2.5824297	21	—	—
539737 2016 US_{64}	16.8	X	28.21007	193.54654	142.69172	6.50726	0.0874421	0.20145357	2.8819475	21	11 1.5	20.6
539738 2016 UN_{68}	17.7	X	31.25316	112.91037	358.42015	6.25361	0.0967735	0.27271460	2.3550337	21	—	—
539739 2016 UT_{68}	17.6	X	300.64573	5.03495	207.61721	6.31054	0.0833504	0.28168799	2.3047500	21	—	—
539740 2016 UP_{69}	16.2	X	207.30435	285.01662	201.04301	9.01246	0.0085530	0.17408598	3.1765829	21	9 4.1	20.7
539741 2016 UR_{69}	17.1	X	335.89902	19.30683	45.33372	7.20247	0.0433971	0.21315182	2.7755136	21	12 5.7	20.6
539742 2016 UQ_{70}	17.3	X	323.13682	201.26734	187.61051	2.63620	0.0966935	0.18606687	3.0387153	21	9 25.9	20.9
539743 2016 UK_{72}	16.5	X	210.81785	287.50411	220.40669	9.55557	0.0526467	0.18859488	3.0114995	21	10 3.1	20.9
539744 2016 UX_{73}	17.4	X	18.09081	47.55162	303.18515	1.10687	0.0754553	0.19975581	2.8982539	21	10 31.9	21.2
539745 2016 UK_{78}	17.2	X	112.80380	114.02867	176.53589	2.08105	0.2130553	0.22871422	2.6481380	21	12 23.8	21.6
539746 2016 UD_{80}	15.9	X	134.23437	2.29988	207.38678	22.39013	0.0828125	0.17068184	3.2186802	21	9 22.9	21.1
539747 2016 UQ_{81}	16.3	X	0.97505	288.79558	18.79566	6.99644	0.2493349	0.17775760	3.1326889	21	8 17.9	19.2
539748 2016 US_{81}	16.6	X	9.35729	147.72013	219.19563	11.41752	0.1106043	0.20212144	2.8755955	21	11 14.2	20.0
539749 2016 UP_{85}	16.5	X	200.16718	301.39211	203.29108	6.56249	0.1159267	0.17214713	3.2003896	21	9 11.9	21.6
539750 2016 UH_{86}	17.8	X	19.15427	124.86331	23.23655	2.91640	0.1448686	0.28069404	2.3101877	21	1 8.1	19.8
539751 2016 UU_{86}	17.6	X	127.82416	66.56792	219.70540	11.69724	0.1207317	0.23121956	2.6289743	21	12 28.0	21.9
539752 2016 UK_{89}	17.0	X	318.30177	158.35184	221.99943	10.85287	0.0716467	0.17888472	3.1195160	21	9 4.4	21.2
539753 2016 UL_{89}	17.4	X	112.48817	280.04298	26.64764	12.23942	0.1791988	0.23679525	2.5875419	21	—	—
539754 2016 UY_{93}	17.0	X	35.31817	122.10183	211.06026	8.45519	0.1061210	0.20012262	2.8947114	21	11 7.9	20.7
539755 2016 UH_{95}	16.8	X	79.57956	252.66682	30.00370	13.62286	0.1382214	0.20231557	2.8737557	21	11 2.6	20.9
539756 2016 UB_{96}	16.7	X	152.59693	220.67935	29.69956	15.17575	0.2601597	0.22832149	2.6511737	21	12 4.7	21.6
539757 2016 UK_{96}	17.3	X	75.33334	95.47035	219.00705	4.87193	0.1162711	0.21560107	2.7544535	21	12 7.8	21.3
539758 2016 UN_{102}	17.0	X	132.64262	226.39054	31.98817	5.21423	0.1169093	0.21251311	2.7810720	21	11 26.9	21.4
539759 2016 UO_{107}	16.0	X	170.23774	32.01021	64.56425	3.98725	0.2084112	0.12461959	3.9695856	21	6 20.1	22.5
539760 2016 UO_{116}	16.5	X	200.16903	291.30635	217.76916	3.84308	0.1157655	0.17640608	3.1486691	21	9 17.9	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
539761 2016 UK_{128}	17.2	X	182.94696	77.15371	159.15569	1.18978	0.0961801	0.22762114	2.6566091	21	12 23.5	21.0
539762 2016 UO_{135}	16.3	X	253.79251	285.92568	191.72043	7.88061	0.0254270	0.18892330	3.0080083	21	10 23.7	20.4
539763 2016 UV_{135}	16.7	X	87.30105	100.61300	211.07193	12.03909	0.0860091	0.21977684	2.7194523	21	12 14.5	20.8
539764 2016 UU_{136}	17.5	X	144.60473	173.51852	145.14670	3.64058	0.2425780	0.26083335	2.4260177	21	—	—
539765 2016 UM_{141}	16.7	X	88.99664	223.40208	81.73594	18.90701	0.2853520	0.22535156	2.6744162	21	12 25.2	21.3
539766 2016 UZ_{142}	16.3	X	229.34543	253.88184	192.52056	11.09849	0.0730049	0.16997881	3.2275491	21	8 4.7	21.2
539767 2016 UF_{148}	17.1	X	341.92539	350.14889	61.86663	10.46311	0.0492451	0.19917110	2.9039235	21	11 25.9	20.8
539768 2016 UT_{148}	16.6	X	72.92765	293.55860	64.63548	13.00869	0.0713109	0.22886119	2.6470041	21	—	—
539769 2016 UY_{148}	16.4	X	329.96887	310.36981	62.40919	8.62515	0.1761465	0.18140394	3.0905676	21	9 15.1	19.9
539770 2016 VL_{12}	16.7	X	165.09184	326.15232	211.71800	8.83058	0.0322963	0.17445581	3.1720918	21	9 17.1	21.4
539771 2016 VM_{19}	16.6	X	128.55826	265.75745	19.41488	10.30026	0.2173448	0.22484802	2.6784076	21	12 29.9	21.4
539772 2016 WG_{4}	15.9	X	6.15202	265.67715	71.54854	10.51985	0.1308995	0.17871125	3.1215343	21	10 4.2	19.8
539773 2016 WR_{4}	16.7	X	332.21006	317.17557	235.84747	22.82389	0.2328888	0.26486998	2.4013063	21	—	—
539774 2016 WQ_{10}	17.0	X	66.42273	282.87003	67.30085	6.66283	0.0802136	0.22283004	2.6945540	21	—	—
539775 2016 WY_{10}	16.5	X	54.66832	229.07565	61.21246	11.37101	0.1231676	0.18471084	3.0535694	21	10 14.9	20.8
539776 2016 WL_{12}	16.7	X	301.72040	14.59832	34.80182	8.63336	0.0667711	0.18027088	3.1035041	21	9 26.1	20.8
539777 2016 WN_{18}	16.7	X	101.88355	114.91136	226.72133	12.67747	0.1653494	0.23907937	2.5710350	21	—	—
539778 2016 WO_{20}	16.2	X	130.64712	191.48621	57.13257	12.88725	0.1610116	0.18922652	3.0047940	21	11 13.6	21.0
539779 2016 WD_{21}	16.6	X	66.19148	111.33936	219.78579	19.58620	0.1759918	0.21257350	2.7805452	21	12 22.2	21.0
539780 2016 WF_{24}	16.1	X	1.11914	14.20811	331.99694	15.46754	0.1032811	0.18183178	3.0857177	21	9 24.2	20.0
539781 2016 WL_{24}	17.0	X	115.39459	66.12659	239.89561	9.81667	0.2767061	0.24349201	2.5398783	21	—	—
539782 2016 WC_{42}	16.3	X	318.52284	340.80079	50.82721	17.87077	0.1096360	0.17414004	3.1759253	21	9 29.7	20.5
539783 2016 WH_{46}	16.5	X	314.72828	355.39605	41.71785	10.94593	0.1012457	0.17556118	3.1587631	21	9 26.8	20.6
539784 2016 WU_{51}	15.9	X	5.14134	112.13979	211.85905	15.77321	0.2058864	0.17593833	3.1542473	21	9 9.1	19.5
539785 2016 WT_{52}	16.1	X	332.49980	329.74899	50.60079	19.25674	0.1792210	0.17830886	3.1262288	21	10 5.2	19.8
539786 2016 WT_{55}	16.4	X	141.16915	324.81476	261.13798	8.42802	0.0697681	0.18727053	3.0256807	21	10 20.9	21.1
539787 2016 WG_{56}	16.5	X	72.68889	56.08140	248.07408	13.73398	0.3037817	0.21331346	2.7741113	21	12 11.7	21.1
539788 2016 WD_{57}	15.6	X	320.28284	328.01863	80.27554	11.26551	0.0780229	0.17731632	3.1378842	21	10 22.1	19.8
539789 2016 XT_{20}	18.0	X	295.09153	153.27468	293.14651	19.52035	0.0790808	0.39935364	1.8262671	21	12 24.1	19.1
539790 2016 YP_{9}	15.1	X	264.74394	260.17236	252.45823	14.45905	0.0977825	0.17218269	3.1999490	21	12 5.1	19.4
539791 2016 YH_{11}	15.9	X	352.44850	272.95559	90.41323	23.51538	0.0758381	0.17674347	3.1446607	21	10 20.8	20.4
539792 2017 AX_{2}	17.3	X	57.88503	276.38290	300.61245	7.30421	0.1330993	0.29142207	2.2531378	21	7 14.9	19.6
539793 2017 AP_{21}	17.8	X	166.87268	180.16831	6.04498	18.72620	0.0252615	0.34372792	2.0183331	21	10 17.6	20.1
539794 2017 BK_{29}	18.4	X	350.97477	162.71903	213.75332	21.17988	0.0930914	0.37157693	1.9161826	21	12 4.8	20.2
539795 2017 BT_{29}	18.1	X	83.07375	192.14347	116.18128	24.60741	0.0973279	0.37442169	1.9064645	21	—	—
539796 2017 BB_{56}	13.2	X	257.14704	84.77465	276.70114	14.02660	0.0335414	0.08402689	5.1624660	21	6 2.8	20.2
539797 2017 BG_{60}	16.7	X	287.20489	122.87667	13.79183	17.18653	0.2545345	0.17996671	3.1070001	21	11 20.5	20.8
539798 2017 BD_{93}	18.4	X	62.92543	319.86528	6.98940	21.44127	0.0534664	0.38156135	1.8826075	21	—	—
539799 2017 BP_{136}	17.4	X	321.43782	27.83800	255.54890	3.90419	0.1484206	0.25542309	2.4601558	21	4 18.2	20.1
539800 2017 CD	18.6	X	5.03636	85.64175	293.32166	18.29596	0.0566899	0.38352666	1.8761707	21	—	—
539801 2017 CL	18.6	X	80.57420	248.78418	83.11119	23.57658	0.0551469	0.39453539	1.8411058	21	—	—
539802 2017 CB_{1}	18.7	X	27.86614	95.17595	286.26154	15.64059	0.1441098	0.39395965	1.8428991	21	—	—
539803 2017 CE_{3}	13.5	X	129.55798	359.14679	146.55163	28.84485	0.0442675	0.08116527	5.2831049	21	7 2.9	20.9
539804 2017 CQ_{4}	16.9	X	312.05815	312.00052	330.22688	6.05961	0.1081582	0.26968815	2.3726197	21	4 5.5	19.9
539805 2017 CG_{5}	18.9	X	81.33496	304.61247	26.51778	20.57703	0.1265822	0.39724413	1.8327268	21	—	—
539806 2017 CR_{16}	17.0	X	27.46856	307.86463	137.87586	4.00219	0.0568720	0.21315655	2.7754725	21	—	—
539807 2017 CS_{28}	17.8	X	220.52269	229.87727	106.48243	4.64371	0.1249246	0.26219503	2.4176109	21	3 5.3	21.5
539808 2017 CS_{31}	18.5	X	295.78803	93.87552	350.95773	21.20420	0.0541919	0.37522565	1.9037403	21	12 8.4	20.8
539809 2017 CF_{33}	18.0	X	27.48552	156.22165	60.51743	2.88363	0.1380624	0.28502000	2.2867525	21	5 14.9	19.9
539810 2017 CO_{35}	17.3	X	37.32113	307.19132	281.17617	6.18292	0.0709344	0.27602840	2.3361472	21	6 16.5	19.6
539811 2017 DQ	15.6	X	282.25913	359.27581	143.15419	17.49092	0.1429041	0.17436677	3.1731717	21	12 13.1	20.0
539812 2017 DZ_{1}	16.9	X	192.03251	258.30717	115.76692	5.39315	0.0693486	0.26767713	2.3844883	21	3 22.9	20.2
539813 2017 DY_{3}	16.4	X	257.26825	103.51658	106.15101	6.79490	0.0593466	0.19688405	2.9263686	21	—	—
539814 2017 DW_{4}	17.8	X	46.12579	221.27247	340.10464	6.61053	0.0572678	0.28488608	2.2874691	21	5 16.3	20.3
539815 2017 DY_{6}	13.4	X	299.31587	169.24452	145.18428	24.56485	0.1477687	0.08324852	5.1945951	21	5 20.3	20.4
539816 2017 DH_{7}	17.9	X	102.14786	193.37859	309.22379	3.94842	0.0921494	0.28594333	2.2818271	21	5 23.7	20.7
539817 2017 DN_{11}	16.9	X	19.10571	106.26595	95.21651	7.38602	0.0832200	0.26695638	2.3887783	21	4 9.9	19.5
539818 2017 DR_{14}	18.8	X	241.26821	178.98427	319.29916	18.73863	0.0538442	0.37143168	1.9166821	21	11 28.2	21.1
539819 2017 DB_{15}	18.5	X	180.77636	216.12484	357.14301	18.61373	0.0653300	0.38335147	1.8767422	21	12 27.9	21.0
539820 2017 DE_{15}	17.7	X	341.02034	354.97330	13.18182	19.49116	0.0732469	0.35217724	1.9859205	21	10 20.4	19.3
539821 2017 DY_{18}	17.2	X	75.65034	252.78267	145.14592	5.67715	0.0975215	0.21298199	2.7769888	21	—	—
539822 2017 DR_{24}	17.1	X	244.92697	46.69246	236.82435	4.93091	0.1275705	0.23479167	2.6022414	21	1 23.5	21.2
539823 2017 DM_{25}	17.8	X	355.18938	345.82973	273.62132	3.18843	0.2222923	0.27965344	2.3159149	21	5 4.7	19.4
539824 2017 DZ_{29}	16.1	X	203.71230	323.87101	284.91075	7.39305	0.0738735	0.18862265	3.0112038	21	—	—
539825 2017 DC_{37}	18.7	X	27.94839	54.68378	319.38219	19.04003	0.0579860	0.37848298	1.8928018	21	—	—
539826 2017 DD_{37}	17.9	X	93.41435	199.30265	118.25264	24.60707	0.0384336	0.38601590	1.8680963	21	—	—
539827 2017 DN_{37}	18.7	X	175.26267	73.79881	181.20477	20.24553	0.0974682	0.39010470	1.8550200	21	—	—
539828 2017 DY_{38}	14.0	X	349.03211	308.92638	335.56079	8.47277	0.1048529	0.08350841	5.1838119	21	6 21.1	20.4
539829 2017 DZ_{38}	13.9	X	227.75140	43.81107	343.11472	6.37376	0.0962038	0.08171829	5.2592427	21	5 24.1	21.3
539830 2017 DS_{44}	13.5	X	251.83754	241.09596	140.16818	20.54260	0.0375743	0.08414376	5.1576844	21	6 21.3	20.6
539831 2017 DH_{62}	15.4	X	144.49441	224.71063	81.95664	12.21573	0.0462643	0.17969055	3.1101826	21	—	—
539832 2017 DO_{64}	18.1	X	56.25494	350.86015	328.74188	18.53353	0.0658858	0.36532765	1.9379728	21	12 13.5	20.7
539833 2017 DR_{74}	18.6	X	276.06384	146.41342	345.71747	20.04760	0.0377732	0.37885271	1.8915701	21	—	—
539834 2017 DJ_{78}	17.1	X	133.48193	169.12032	294.74432	6.06383	0.0583385	0.28040526	2.3117735	21	5 4.9	20.2
539835 2017 DR_{78}	18.0	X	135.93116	305.94349	325.45857	18.98271	0.0776961	0.38077517	1.8851980	21	—	—
539836 2017 DH_{80}	17.7	X	33.95372	194.62449	153.03554	24.25046	0.0700251	0.36942336	1.9236223	21	12 27.6	20.3
539837 2017 DS_{82}	15.9	X	338.94374	17.92536	83.98076	13.75683	0.1322202	0.18876147	3.0097273	21	—	—
539838 2017 DW_{82}	18.0	X	65.15356	323.52891	342.97804	20.33438	0.0447880	0.36394338	1.9428838	21	11 26.9	20.7
539839 2017 DH_{84}	17.9	X	135.60143	25.46585	101.43855	3.09799	0.1547122	0.29649840	2.2273466	21	6 21.7	21.0
539840 2017 DU_{85}	15.9	X	282.96590	355.42535	242.88284	11.04306	0.1696722	0.21136044	2.7911740	21	1 6.3	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
539841 2017 DA_{86}	17.7	X	342.75094	208.66393	186.60555	22.13980	0.0679344	0.36149720	1.9516387	21	12 14.6	20.1
539842 2017 DJ_{87}	16.4	X	7.08361	1.91827	120.86492	15.70758	0.1681059	0.21620097	2.7493559	21	—	—
539843 2017 DH_{88}	15.5	X	297.36599	124.88233	12.27010	22.03984	0.0872400	0.17230477	3.1984374	21	—	—
539844 2017 DU_{88}	16.1	X	298.95508	36.68929	99.15804	18.10715	0.1793291	0.17621671	3.1509245	21	12 24.6	19.7
539845 2017 DO_{91}	17.6	X	215.66508	182.92728	355.97688	18.97943	0.0642643	0.36660656	1.9334631	21	12 21.4	20.1
539846 2017 DR_{95}	17.4	X	355.88584	296.30868	323.83968	10.44688	0.2339937	0.26607491	2.3940512	21	5 3.7	19.5
539847 2017 DE_{103}	17.1	X	84.98556	279.93102	282.44759	6.99799	0.0390496	0.30066343	2.2067289	21	7 18.1	19.5
539848 2017 DG_{104}	16.5	X	60.20039	146.40609	322.35763	6.11429	0.1051562	0.25289446	2.4765276	21	2 5.5	18.8
539849 2017 DO_{105}	16.7	X	119.29193	315.63738	85.09869	8.13761	0.0621269	0.23459465	2.6036982	21	2 1.5	20.2
539850 2017 DR_{107}	15.9	X	247.21784	84.30589	116.92035	15.28610	0.1541069	0.17695031	3.1422097	21	—	—
539851 2017 DP_{116}	17.0	X	24.78815	304.62918	305.35385	22.19263	0.2310631	0.28477049	2.2880880	21	7 20.1	18.4
539852 2017 DA_{123}	16.4	X	241.34457	251.42385	37.01499	15.15060	0.2714333	0.18531610	3.0469170	21	2 1.9	22.0
539853 2017 EP	17.8	X	21.50383	90.44893	271.34179	17.99915	0.1302519	0.37420434	1.9072026	21	—	—
539854 2017 EL_{1}	18.0	X	28.13312	332.50079	50.03267	22.35341	0.0780470	0.38173769	1.8820278	21	—	—
539855 2017 EN_{1}	18.3	X	6.14418	358.13081	54.95153	23.44452	0.0604970	0.38663465	1.8661027	21	—	—
539856 2017 EV_{2}	20.9	X	194.78184	32.20199	3.15800	16.48801	0.5575925	0.97079968	1.0101433	21	3 22.7	19.3
539857 2017 EO_{3}	18.0	X	345.26086	15.07329	42.52410	26.02257	0.1327032	0.37479296	1.9052052	21	—	—
539858 2017 EY_{3}	17.9	X	80.96369	235.07255	90.02071	23.91660	0.0708230	0.37707631	1.8975063	21	—	—
539859 2017 EF_{11}	18.7	X	302.86271	33.27676	63.65427	22.97363	0.0733803	0.37461376	1.9058128	21	—	—
539860 2017 EH_{14}	18.1	X	23.16078	218.77997	156.12323	23.32028	0.0726357	0.37180733	1.9153909	21	—	—
539861 2017 EP_{14}	17.7	X	21.88879	182.74627	98.91080	9.45928	0.2559585	0.29017298	2.2595991	21	9 16.9	19.6
539862 2017 EN_{17}	17.5	X	5.75802	215.37801	70.92342	7.04383	0.1968603	0.28475641	2.2881635	21	7 30.6	19.0
539863 2017 EY_{24}	17.1	X	338.55887	30.68873	214.28112	13.38180	0.1209853	0.23391342	2.6087510	21	3 28.7	20.2
539864 2017 FA	18.5	X	54.89773	48.34702	315.60764	19.85241	0.0328498	0.38590409	1.8684571	21	—	—
539865 2017 FC	17.4	X	308.13002	147.35381	273.63050	17.60186	0.1142690	0.36273796	1.9471857	21	11 20.1	18.9
539866 2017 FD	17.8	X	27.63607	119.06626	263.45210	17.43156	0.0548688	0.38143548	1.8830217	21	—	—
539867 2017 FL	17.6	X	346.17183	93.79763	343.12144	19.30134	0.1172001	0.38821922	1.8610214	21	—	—
539868 2017 FT_{1}	19.2	X	18.01159	44.98658	14.08363	20.09687	0.1352846	0.40352529	1.8136586	21	—	—
539869 2017 FX_{1}	17.8	X	345.13895	137.21975	281.67236	17.61718	0.0735712	0.36879898	1.9257929	21	—	—
539870 2017 FG_{2}	18.5	X	46.24113	306.50440	21.73068	20.54868	0.0880402	0.35374814	1.9800369	21	12 7.8	21.1
539871 2017 FL_{2}	17.7	X	103.09265	128.85445	150.36973	24.02772	0.0526239	0.35740856	1.9664946	21	12 18.0	20.6
539872 2017 FV_{8}	18.0	X	197.56002	192.95829	354.77402	19.47795	0.0417785	0.35830366	1.9632181	21	12 4.5	20.6
539873 2017 FA_{24}	18.0	X	6.35190	40.49883	257.14095	5.03994	0.0635672	0.30722212	2.1752093	21	8 7.8	20.1
539874 2017 FU_{24}	17.6	X	345.45006	7.20074	294.42436	5.87590	0.1914138	0.28977704	2.2616569	21	6 29.7	18.9
539875 2017 FQ_{25}	17.4	X	323.66759	233.98493	58.28975	6.87319	0.1468396	0.26635505	2.3923723	21	5 6.4	19.7
539876 2017 FV_{25}	17.4	X	284.94838	249.39031	71.04227	7.43685	0.1954452	0.26027844	2.4294646	21	4 15.7	20.9
539877 2017 FQ_{29}	18.0	X	353.45057	264.96729	26.08653	2.47220	0.1803473	0.28109384	2.3079966	21	7 2.7	19.6
539878 2017 FP_{31}	18.0	X	354.87929	16.83359	2.13204	18.57302	0.0836981	0.35252546	1.9846125	21	12 4.0	20.3
539879 2017 FF_{32}	18.1	X	11.30304	299.89285	1.73128	6.34594	0.2017626	0.29913989	2.2142152	21	9 12.7	19.6
539880 2017 FO_{35}	16.6	X	267.06331	236.44114	343.40812	0.93886	0.1089599	0.18953909	3.0014897	21	—	—
539881 2017 FG_{39}	15.9	X	311.90409	10.17148	129.47335	10.24152	0.0558251	0.18177229	3.0863909	21	—	—
539882 2017 FN_{40}	18.3	X	47.58115	140.64529	127.18594	5.58464	0.0756387	0.30749991	2.1738991	21	9 7.5	20.5
539883 2017 FM_{41}	16.6	X	233.28185	267.84372	48.42786	6.90992	0.1231264	0.22601632	2.6691697	21	2 26.9	20.8
539884 2017 FE_{42}	17.2	X	338.03103	145.85113	156.45348	6.78816	0.1479604	0.28151898	2.3056724	21	6 18.1	19.3
539885 2017 FF_{42}	17.5	X	350.04157	277.50276	19.08191	7.16635	0.1225070	0.28674796	2.2775565	21	7 7.8	19.5
539886 2017 FM_{47}	17.6	X	4.57318	158.89577	112.41610	5.38848	0.2030206	0.27861639	2.3216582	21	6 26.3	18.8
539887 2017 FZ_{50}	17.7	X	22.68201	11.67740	273.62140	5.24307	0.1204949	0.30250410	2.1977681	21	8 24.1	19.6
539888 2017 FP_{59}	17.9	X	0.27539	228.61199	51.98060	13.18968	0.2248338	0.27881861	2.3205354	21	7 1.1	19.5
539889 2017 FW_{59}	17.9	X	344.15839	279.42765	37.21213	6.94209	0.1160910	0.30170014	2.2016708	21	8 1.1	19.8
539890 2017 FG_{64}	18.3	X	115.58564	286.59631	29.04309	22.91737	0.0596477	0.38462067	1.8726113	21	—	—
539891 2017 FJ_{65}	17.5	X	5.62779	202.48815	71.97475	8.80509	0.2422878	0.27876520	2.3208318	21	7 7.6	18.6
539892 2017 FG_{70}	18.0	X	9.97576	318.12928	332.36115	1.25380	0.1273999	0.30424916	2.1893564	21	8 10.6	19.6
539893 2017 FD_{76}	17.7	X	7.76591	248.14868	15.38269	2.50397	0.1752889	0.26799959	2.3825753	21	6 20.5	19.4
539894 2017 FY_{76}	16.5	X	99.70060	85.87178	331.56523	5.25581	0.0498107	0.20899300	2.8122130	21	1 30.6	20.2
539895 2017 FS_{78}	17.5	X	29.48321	27.06346	231.59521	6.27019	0.1076736	0.28291950	2.2980570	21	7 22.4	19.9
539896 2017 FY_{78}	16.5	X	283.41564	63.97817	205.40398	26.40005	0.2244224	0.21047086	2.7990333	21	2 2.5	21.5
539897 2017 FA_{79}	17.5	X	335.75346	298.81686	328.79112	2.50586	0.2401867	0.24337750	2.5406749	21	4 6.4	19.9
539898 2017 FR_{88}	18.0	X	356.47555	260.17389	20.65157	3.77922	0.2017259	0.26867861	2.3785593	21	6 21.1	19.6
539899 2017 FE_{91}	18.5	X	357.69356	188.24547	206.53154	20.82013	0.0995218	0.36378842	1.9434355	21	—	—
539900 2017 FP_{92}	17.6	X	322.41914	222.73071	103.77256	7.92359	0.1333110	0.28072333	2.3100269	21	6 27.4	19.6
539901 2017 FX_{94}	18.1	X	229.84518	137.50882	40.94119	21.17483	0.0660553	0.36685123	1.9326034	21	—	—
539902 2017 FZ_{100}	16.6	X	357.06489	220.21623	71.15494	29.16608	0.2691222	0.28219817	2.3019714	21	7 8.8	18.2
539903 2017 FD_{102}	18.3	X	124.26844	126.79492	169.68350	22.11594	0.0462420	0.37406113	1.9076894	21	—	—
539904 2017 FT_{103}	17.4	X	351.53323	88.85615	214.50256	20.76328	0.2884331	0.26926221	2.3751212	21	7 7.5	19.3
539905 2017 FT_{106}	16.7	X	310.65502	9.47233	249.30946	11.83866	0.1446368	0.23286778	2.6165545	21	2 26.9	20.4
539906 2017 FX_{106}	16.5	X	317.63608	292.48982	337.83598	14.49664	0.1062984	0.24309042	2.5426748	21	3 28.8	19.8
539907 2017 FQ_{108}	18.0	X	312.49740	65.05910	21.81618	20.83556	0.1060309	0.35736321	1.9666609	21	—	—
539908 2017 FF_{109}	17.8	X	13.15726	285.29013	2.45284	6.32801	0.1829420	0.29290712	2.2455157	21	8 21.2	19.4
539909 2017 FE_{112}	17.8	X	24.84520	48.42440	216.52979	3.77322	0.2046346	0.28566532	2.2833073	21	8 7.2	19.5
539910 2017 FY_{112}	18.0	X	34.48506	295.34538	332.35115	2.78615	0.1934755	0.29058857	2.2574442	21	9 1.6	20.0
539911 2017 FU_{115}	18.2	X	323.53653	5.11031	334.24704	4.11972	0.1685064	0.29961571	2.2118703	21	7 17.1	19.7
539912 2017 FV_{117}	17.8	X	11.06803	297.51537	336.62415	6.62841	0.1018888	0.28744489	2.2738736	21	7 14.7	20.0
539913 2017 FN_{120}	18.0	X	357.20455	243.90289	28.88317	5.80223	0.2257178	0.27233485	2.3572225	21	6 5.3	19.4
539914 2017 FH_{125}	18.3	X	339.39847	206.57377	190.91202	24.49123	0.0826079	0.35483900	1.9759767	21	12 11.8	20.7
539915 2017 FF_{127}	18.3	X	350.84643	50.56068	19.24846	18.97587	0.1624637	0.38451154	1.8729656	21	—	—
539916 2017 FS_{127}	18.8	X	332.67433	54.29281	56.39434	22.68933	0.0418810	0.39787009	1.8308040	21	—	—
539917 2017 FW_{127}	18.3	X	69.63922	311.11387	40.78806	22.46741	0.0991655	0.37875261	1.8919034	21	—	—
539918 2017 FC_{128}	17.6	X	25.54440	17.50944	282.17239	5.16904	0.2208985	0.31654694	2.1322787	21	10 12.1	19.6
539919 2017 FX_{128}	17.9	X	310.23192	45.68731	50.12936	21.79284	0.1093389	0.37365544	1.9090700	21	—	—
539920 2017 FA_{131}	16.5	X	325.58286	16.67638	156.81672	6.00158	0.0228285	0.20121477	2.8842272	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
539921 2017 FW_{157}	17.5	X	28.16083	136.71433	144.56365	7.87308	0.1524374	0.29482578	2.2357629	21	9 5.9	19.4
539922 2017 FA_{160}	17.6	X	352.55186	315.84958	104.82863	25.79174	0.0785646	0.35217003	1.9859476	21	—	—
539923 2017 FX_{161}	16.7	X	315.31241	26.30670	233.45421	12.44846	0.1293055	0.24400493	2.5363177	21	3 7.8	20.2
539924 2017 GE	17.4	X	38.48659	20.45846	252.10796	7.29341	0.2311003	0.30367968	2.1920926	21	9 21.0	19.7
539925 2017 GF_4	17.9	X	309.97318	265.05331	179.84934	21.82676	0.1177224	0.36617267	1.9349902	21	—	—
539926 2017 GD_5	18.4	X	314.45431	69.89439	35.68397	23.55629	0.1404215	0.38466869	1.8724554	21	—	—
539927 2017 GV_5	18.2	X	94.46738	39.15365	273.06319	19.80363	0.0204069	0.37052290	1.9198149	21	—	—
539928 2017 GE_6	18.0	X	82.51456	101.15697	231.07493	20.65663	0.0872165	0.36852680	1.9267410	21	—	—
539929 2017 GB_7	17.4	X	48.03057	172.32477	95.86318	5.36283	0.2079132	0.28049147	2.3112998	21	9 30.1	20.1
539930 2017 GP_7	18.5	X	33.19743	287.97053	123.68403	23.53858	0.0463719	0.39435792	1.8416581	21	—	—
539931 2017 GQ_7	17.8	X	121.78858	218.34947	83.81787	22.84669	0.0464661	0.37285161	1.9118128	21	—	—
539932 2017 GS_7	16.4	X	15.05385	354.47050	276.79820	24.61498	0.1449022	0.28960344	2.2625607	21	7 15.1	18.3
539933 2017 GG_9	16.7	X	326.43671	7.60939	239.32768	10.75817	0.1431065	0.22846974	2.6500267	21	3 7.2	20.2
539934 2017 GH_9	15.7	X	201.44479	234.08719	92.72556	18.60357	0.2650143	0.17831028	3.1262122	21	2 17.8	21.5
539935 2017 GR_9	16.7	X	294.60712	170.81159	118.71085	14.32627	0.1682415	0.22617993	2.6678823	21	3 28.4	20.7
539936 2017 GB_{10}	17.6	X	284.14535	277.92680	40.99555	4.57416	0.1937930	0.23607555	2.5927981	21	4 12.9	21.3
539937 2017 HL	18.3	X	7.93412	194.95005	197.90570	21.60219	0.0841255	0.35942401	1.9591363	21	—	—
539938 2017 HR	18.8	X	9.98468	233.02017	209.21121	24.63983	0.1365158	0.39579973	1.8371829	21	—	—
539939 2017 HP_1	17.3	X	28.16297	258.07240	109.79671	24.73055	0.1071623	0.35433469	1.9778512	21	—	—
539940 2017 HW_1	17.8	X	137.87036	168.87649	41.31995	33.95087	0.4590135	0.31552266	2.1368909	21	10 26.1	22.3
539941 2017 HX_1	17.9	X	37.93696	271.15121	106.32838	23.69274	0.1063577	0.36969148	1.9226922	21	—	—
539942 2017 HO_2	18.7	X	355.49069	321.25191	147.44350	19.96097	0.0313129	0.39990428	1.8245902	21	—	—
539943 2017 HA_3	17.0	X	284.72993	239.74197	31.21647	11.07268	0.2578918	0.21199945	2.7855624	21	2 13.0	21.6
539944 2017 HF_3	18.0	X	1.83024	283.60244	139.68060	22.46062	0.0956151	0.37402379	1.9078163	21	—	—
539945 2017 HK_4	18.4	X	35.64746	11.21947	23.24528	21.53597	0.0981543	0.37370996	1.9088843	21	—	—
539946 2017 HB_5	18.8	X	80.21847	304.71694	182.73647	22.95609	0.0649470	0.46088355	1.6598745	21	2 7.7	20.0
539947 2017 HP_5	16.8	X	207.34584	296.06646	61.49465	7.34187	0.1189102	0.23006457	2.6377657	21	3 24.2	21.0
539948 2017 HA_8	18.1	X	330.30085	211.76640	81.96384	5.79010	0.2346123	0.26155782	2.4215359	21	5 7.2	20.3
539949 2017 HB_8	17.6	X	49.39813	155.03776	101.90766	6.16248	0.1685501	0.29488174	2.2354800	21	9 10.3	20.0
539950 2017 HR_8	16.1	X	247.77289	230.89711	32.86901	13.05923	0.2987799	0.18131599	3.0915669	21	1 5.3	21.8
539951 2017 HZ_{10}	17.0	X	289.78710	215.84893	77.16127	2.99839	0.1930900	0.23777682	2.5804159	21	3 17.8	20.6
539952 2017 HD_{12}	16.6	X	275.88420	197.44791	132.18433	18.13124	0.1728306	0.24246181	2.5470677	21	4 26.4	20.7
539953 2017 HM_{12}	17.0	X	36.22140	210.41314	42.60194	6.84080	0.1785664	0.27503293	2.3417809	21	8 12.0	19.3
539954 2017 HN_{12}	16.6	X	324.05839	51.73891	208.77739	11.32727	0.1636141	0.23140374	2.6275791	21	3 21.2	19.9
539955 2017 HG_{13}	17.5	X	13.40326	207.57518	4.40184	4.66214	0.0804267	0.24471836	2.5313858	21	4 13.2	20.4
539956 2017 HS_{14}	17.7	X	38.33477	49.50712	224.54148	6.56800	0.2037084	0.28612095	2.2808827	21	9 17.1	20.1
539957 2017 HZ_{14}	17.9	X	63.69973	223.88333	36.43524	4.91014	0.1172284	0.29955302	2.2121789	21	9 26.9	20.4
539958 2017 HT_{20}	17.6	X	328.36756	54.77161	198.59479	11.41610	0.1435061	0.23258056	2.6187082	21	3 21.9	20.8
539959 2017 HL_{22}	16.5	X	319.28399	46.50196	213.67260	11.64544	0.2218159	0.23038759	2.6352996	21	3 3.1	20.1
539960 2017 HF_{25}	16.9	X	308.22876	89.11452	197.21715	12.67729	0.0923228	0.23521112	2.5991468	21	4 15.9	20.3
539961 2017 HY_{31}	17.2	X	265.51763	247.21483	86.78163	12.69111	0.0847728	0.23518725	2.5993227	21	4 29.6	21.0
539962 2017 HW_{35}	17.5	X	296.79385	256.18366	107.05819	4.75446	0.0913550	0.28350223	2.2949068	21	7 16.4	19.7
539963 2017 HS_{40}	15.8	X	257.17877	194.56892	55.87022	12.24733	0.2570933	0.17667026	3.1455294	21	—	—
539964 2017 HZ_{40}	18.0	X	3.05497	96.95880	185.70334	2.28281	0.1731447	0.26373718	2.4081774	21	7 11.7	19.9
539965 2017 HM_{46}	16.2	X	207.44458	120.39981	202.67578	17.11855	0.2101873	0.18122700	3.0925788	21	2 8.7	21.8
539966 2017 HQ_{48}	17.1	X	295.21433	213.38125	91.63658	14.72179	0.2636244	0.22763765	2.6564806	21	4 6.7	21.2
539967 2017 HO_{50}	16.9	X	295.49821	226.28783	84.29114	12.92490	0.1428861	0.24218810	2.5489864	21	4 27.7	20.4
539968 2017 HM_{61}	17.8	X	234.09184	352.97907	172.22764	23.00659	0.0313793	0.34598283	2.0095540	21	12 29.0	20.6
539969 2017 HT_{62}	17.4	X	308.69093	216.13023	96.18174	16.74493	0.1697243	0.24249589	2.5468290	21	5 14.9	20.8
539970 2017 JR	17.1	X	31.71139	155.03227	100.13948	6.85197	0.0955888	0.27397728	2.3477923	21	7 21.9	19.5
539971 2017 JW	17.7	X	46.52034	19.70403	247.54338	6.48266	0.0928917	0.29090224	2.2558212	21	8 31.3	20.3
539972 2017 JE_1	18.3	X	350.67918	236.69738	185.64165	27.12625	0.0797554	0.36472601	1.9401035	21	—	—
539973 2017 JF_1	17.8	X	194.89809	148.78142	74.92346	25.14764	0.0369060	0.36869745	1.9261464	21	—	—
539974 2017 JJ_1	17.9	X	337.36595	303.49384	108.60396	25.21346	0.0865788	0.35184504	1.9871703	21	—	—
539975 2017 JL_1	18.5	X	173.24363	233.40296	61.27472	26.96027	0.0785774	0.38969835	1.8563093	21	—	—
539976 2017 JN_1	17.8	X	351.57579	40.55836	28.77538	22.21233	0.1026298	0.36713145	1.9316198	21	—	—
539977 2017 JC_2	17.6	X	177.84137	123.13564	98.62459	24.32477	0.0462679	0.35203087	1.9864709	21	12 29.5	19.7
539978 2017 JF_2	17.9	X	64.54680	293.03946	93.29333	23.55013	0.1135830	0.37720341	1.8970800	21	—	—
539979 2017 JG_2	16.4	X	305.73203	238.47707	61.36329	31.46302	0.3013262	0.23121202	2.6290314	21	4 16.6	20.5
539980 2017 JY_2	18.4	X	9.89675	359.83265	53.25245	23.11680	0.0839895	0.36739589	1.9306929	21	—	—
539981 2017 JJ_3	17.8	X	23.51755	192.91179	117.63704	7.91249	0.1814787	0.30172779	2.2015362	21	10 23.3	20.0
539982 2017 JK_3	18.0	X	289.54792	47.07724	98.20021	24.33739	0.0232156	0.37164931	1.9159338	21	—	—
539983 2017 JX_3	17.3	X	328.89933	135.32303	164.70710	16.67664	0.2168748	0.24249654	2.5468245	21	5 21.9	20.3
539984 2017 JL_4	17.1	X	315.30693	47.39293	218.76470	12.80503	0.2318159	0.22906817	2.6454094	21	3 3.6	20.9
539985 2017 JH_6	17.2	X	244.40892	192.99905	141.56273	3.39046	0.1055058	0.21266822	2.7797195	21	4 2.2	21.4
539986 2017 KA	18.4	X	358.86976	247.20643	189.98138	22.65816	0.0898580	0.37259490	1.9126908	21	—	—
539987 2017 KC	17.2	X	25.77077	90.43236	183.93436	6.84489	0.1084404	0.28730024	2.2746368	21	8 10.0	19.5
539988 2017 KM	18.4	X	310.91133	241.72865	216.57030	20.86051	0.0646257	0.36983737	1.9221865	21	—	—
539989 2017 KT	16.9	X	279.52069	263.32430	36.83872	12.80796	0.2605423	0.22232757	2.6986124	21	3 14.6	21.3
539990 2017 KC_2	16.7	X	288.64061	227.56814	98.67949	18.85135	0.3317309	0.24154995	2.5534739	21	4 18.7	21.0
539991 2017 KN_2	17.7	X	340.69824	240.27803	183.25297	22.72585	0.0907691	0.35597556	1.9717685	21	—	—
539992 2017 KP_2	18.1	X	105.17656	242.49335	113.83080	26.67730	0.0922261	0.37891605	1.8913593	21	—	—
539993 2017 KR_2	17.8	X	7.96798	305.32766	138.32072	23.36670	0.1108881	0.37563063	1.9023717	21	—	—
539994 2017 KZ_3	18.0	X	8.70962	22.95759	46.67593	21.01260	0.0761026	0.37334547	1.9101265	21	—	—
539995 2017 KO_5	18.2	X	61.98972	291.73581	90.80071	23.85480	0.1031293	0.37200750	1.9147038	21	—	—
539996 2017 KJ_{10}	18.2	X	305.74438	211.79196	125.86016	6.59656	0.0771402	0.26511862	2.3998046	21	6 24.5	21.1
539997 2017 KU_{11}	16.6	X	259.97068	57.42339	228.41167	4.52504	0.1668188	0.19268327	2.9687483	21	2 12.2	21.4
539998 2017 KV_{11}	18.2	X	53.11179	58.42251	232.17099	9.37422	0.0433171	0.30311452	2.1948166	21	10 9.4	20.8
539999 2017 KJ_{12}	18.2	X	45.96894	56.20703	214.53919	5.15973	0.1583762	0.28197271	2.3031983	21	9 17.1	20.7
540000 2017 KN_{12}	15.7	X	258.97446	31.89649	230.74473	17.63532	0.1397086	0.17963946	3.1107722	21	1 16.5	20.9