Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396001 2013 BL_{56}	16.6	X	310.02334	245.13807	135.07449	6.92803	0.0438817	0.21379944	2.7699058	20	9 14.9	20.1
396002 2013 BA_{58}	17.4	X	7.11444	129.43007	270.16651	1.67049	0.0908089	0.24401320	2.5362604	20	—	—
396003 2013 BQ_{58}	18.0	X	130.95773	220.61551	141.92498	5.85118	0.1707258	0.27897451	2.3196709	20	1 14.9	20.9
396004 2013 BW_{59}	15.8	X	218.21987	271.08856	105.15565	14.43200	0.1758284	0.17843570	3.1247472	20	5 5.6	21.1
396005 2013 BE_{60}	16.5	X	204.22588	295.42128	104.31228	10.86254	0.1106929	0.17990829	3.1076727	20	5 20.9	21.5
396006 2013 BW_{60}	16.3	X	94.18899	209.85229	331.66968	8.20416	0.0694783	0.18409596	3.0603649	20	7 15.1	20.7
396007 2013 BC_{62}	17.0	X	185.29308	350.28148	107.79553	3.01476	0.1031869	0.19105911	2.9855491	20	7 10.9	21.4
396008 2013 BD_{64}	15.8	X	326.66645	162.15327	139.73892	11.67498	0.0535827	0.18011963	3.1052413	20	6 20.9	20.0
396009 2013 BJ_{65}	16.8	X	77.82227	336.07327	257.28052	1.03542	0.0253622	0.19933334	2.9023475	20	8 23.5	20.8
396010 2013 BO_{66}	17.1	X	344.69875	278.23713	120.86545	4.51427	0.0076647	0.23243086	2.6198325	20	11 29.3	20.5
396011 2013 BZ_{66}	16.9	X	243.40738	129.17630	15.43343	9.96642	0.0581915	0.23485892	2.6017447	20	11 22.9	20.4
396012 2013 BE_{67}	17.2	X	216.86346	137.18311	356.16572	4.48044	0.0692197	0.21906676	2.7253256	20	10 3.3	21.0
396013 2013 BK_{69}	17.5	X	45.06539	6.11690	8.37296	3.42607	0.0853442	0.24614061	2.5216252	20	—	—
396014 2013 BK_{72}	16.9	X	288.56686	277.17289	131.90258	0.97003	0.0689678	0.21343802	2.7730318	20	9 17.9	20.5
396015 2013 BY_{76}	17.2	X	90.35272	245.45268	93.64928	7.63556	0.1277412	0.25395629	2.4696196	20	—	—
396016 2013 BA_{77}	16.3	X	35.92481	159.27941	77.78118	4.72587	0.1524599	0.17966164	3.1105162	20	7 18.7	20.2
396017 2013 BT_{78}	16.2	X	120.77993	57.57278	63.98225	10.76014	0.1785519	0.17693419	3.1424005	20	6 9.4	21.2
396018 2013 BH_{80}	15.5	X	359.51432	134.93310	89.43922	17.48262	0.0416472	0.16908459	3.2389185	20	5 4.9	20.1
396019 2013 BP_{80}	15.6	X	70.72024	127.11987	88.98749	16.57769	0.1098653	0.18630875	3.0360847	20	8 6.6	20.0
396020 2013 BU_{80}	16.4	X	277.74043	353.25588	88.20571	15.54981	0.1765028	0.22361041	2.6882813	20	10 10.7	19.9
396021 2013 BY_{80}	15.9	X	92.03940	102.97275	87.56369	9.89055	0.0495148	0.18773272	3.0207125	20	7 20.8	20.2
396022 2013 BF_{81}	17.2	X	165.31519	169.34324	144.14690	8.33616	0.1154574	0.26869151	2.3784832	20	—	—
396023 2013 CF_{2}	16.6	X	59.34208	83.68273	215.68430	5.55236	0.0395456	0.21883133	2.7272800	20	10 29.7	20.1
396024 2013 CK_{4}	16.6	X	55.40314	138.59312	169.33328	4.80877	0.0214360	0.22088582	2.7103424	20	11 3.8	20.3
396025 2013 CJ_{5}	17.2	X	92.86724	56.05677	238.63311	4.72687	0.1174056	0.22760954	2.6566993	20	12 12.1	21.2
396026 2013 CG_{7}	16.3	X	237.47275	244.84590	216.90652	3.21628	0.0631332	0.21350485	2.7724532	20	9 17.4	20.3
396027 2013 CP_{8}	15.9	X	100.42686	115.78493	136.75742	14.31285	0.1353742	0.21207209	2.7849263	20	11 2.7	20.5
396028 2013 CS_{8}	16.5	X	212.47106	244.03339	155.10779	10.75822	0.1742780	0.18522396	3.0479274	20	5 24.8	21.6
396029 2013 CF_{10}	17.0	X	17.87265	215.51561	110.27825	2.92651	0.0717890	0.21572294	2.7534160	20	10 13.7	20.4
396030 2013 CH_{11}	16.7	X	274.58777	330.62968	97.78847	4.81719	0.0793359	0.21430452	2.7655520	20	9 24.7	20.3
396031 2013 CW_{12}	16.4	X	148.81221	351.95886	121.85954	7.41041	0.0139960	0.18131520	3.0915758	20	6 18.0	20.9
396032 2013 CQ_{13}	16.6	X	172.10575	30.61489	52.38446	2.68956	0.0809727	0.18054168	3.1004000	20	6 7.9	21.4
396033 2013 CW_{13}	16.9	X	238.85563	352.18098	65.25048	2.94084	0.0532236	0.19478808	2.9473234	20	7 24.6	21.0
396034 2013 CW_{15}	16.8	X	335.90071	0.69055	15.95253	2.61932	0.0425147	0.21414387	2.7669349	20	10 15.5	20.4
396035 2013 CE_{16}	16.5	X	298.70331	29.90844	4.62110	4.26485	0.1119559	0.20905483	2.8116585	20	9 8.0	19.7
396036 2013 CV_{16}	16.0	X	148.43418	304.63078	155.20460	17.39141	0.1576524	0.17563799	3.1578421	20	6 10.4	21.4
396037 2013 CP_{21}	16.5	X	116.37487	12.53388	110.81016	6.29792	0.0938612	0.17291616	3.1908936	20	5 30.9	21.3
396038 2013 CH_{23}	17.1	X	97.93852	111.11702	137.63241	9.74800	0.1075087	0.21553102	2.7550503	20	10 23.1	21.3
396039 2013 CP_{23}	16.0	X	190.94692	121.65114	306.66674	7.02617	0.0885349	0.18284725	3.0742824	20	6 9.4	20.8
396040 2013 CW_{29}	15.0	X	253.24932	156.56800	84.47144	3.97639	0.1580761	0.12512849	3.9588154	20	1 3.9	21.0
396041 2013 CK_{31}	15.9	X	334.83776	285.93651	20.64637	10.06415	0.0880517	0.18146497	3.0898746	20	7 7.8	20.0
396042 2013 CM_{31}	16.5	X	154.55930	335.08262	107.60522	7.36910	0.2489099	0.18169150	3.0873057	20	5 28.7	21.9
396043 2013 CN_{33}	15.4	X	187.11347	252.43157	153.39279	26.84085	0.2087733	0.17956565	3.1116247	20	5 14.7	21.2
396044 2013 CH_{35}	16.7	X	290.42288	274.50601	171.09434	8.32364	0.0679070	0.22063003	2.7124368	20	11 11.7	20.1
396045 2013 CH_{37}	15.8	X	80.75908	257.22706	260.40901	7.41339	0.1619912	0.17061697	3.2194960	20	6 9.2	20.4
396046 2013 CK_{37}	15.4	X	51.47935	156.81395	101.29845	16.14281	0.0951415	0.19150894	2.9808721	20	9 6.2	19.7
396047 2013 CH_{38}	15.9	X	140.01303	17.64563	98.48064	7.81679	0.1536046	0.17901180	3.1180394	20	6 19.9	21.0
396048 2013 CD_{39}	17.3	X	63.41833	239.20626	328.50275	0.42855	0.1259157	0.18494013	3.0510450	20	7 16.4	21.4
396049 2013 CF_{40}	15.3	X	352.41391	175.58845	93.14349	17.50199	0.0644158	0.18108894	3.0941505	20	6 14.6	19.3
396050 2013 CA_{41}	16.3	X	30.16746	83.08384	143.78737	6.73324	0.0900302	0.17800876	3.1297415	20	6 17.8	20.4
396051 2013 CL_{41}	16.7	X	269.60052	285.32784	147.73931	5.01688	0.0516477	0.21560365	2.7544315	20	9 26.9	20.4
396052 2013 CY_{41}	16.0	X	346.29948	94.50209	173.62156	16.37208	0.1138752	0.17113041	3.2130532	20	6 3.6	20.3
396053 2013 CR_{43}	16.9	X	146.23808	57.08387	107.69191	3.28481	0.0206809	0.19903815	2.9052164	20	8 21.8	20.9
396054 2013 CD_{44}	16.8	X	304.55079	274.60800	109.91206	4.80155	0.1025189	0.20944819	2.8081371	20	9 6.0	20.2
396055 2013 CJ_{45}	16.9	X	345.50417	235.45623	127.55269	5.57584	0.0829215	0.21368577	2.7708880	20	10 15.9	20.3
396056 2013 CH_{49}	16.2	X	212.65890	278.60602	112.39887	11.59434	0.0167742	0.18108604	3.0941835	20	5 24.9	20.7
396057 2013 CM_{49}	16.1	X	34.71052	114.11666	143.19035	16.95763	0.0635224	0.18903092	3.0068666	20	7 31.8	20.0
396058 2013 CY_{49}	16.9	X	175.95053	313.58659	168.38635	8.24774	0.1621044	0.19502932	2.9448924	20	7 29.3	21.9
396059 2013 CH_{51}	16.6	X	272.07265	292.67450	147.20045	4.77551	0.0480480	0.21513073	2.7584667	20	10 9.9	20.2
396060 2013 CA_{52}	17.1	X	224.83930	344.03840	106.23604	3.08491	0.0829218	0.20240589	2.8729007	20	8 16.2	21.3
396061 2013 CL_{55}	16.4	X	160.99459	321.84398	123.61447	10.68653	0.0592137	0.17592052	3.1544602	20	5 31.7	21.2
396062 2013 CM_{63}	16.5	X	288.82910	262.48068	164.58453	14.75876	0.1147361	0.21995160	2.7180115	20	10 10.7	19.8
396063 2013 CB_{66}	16.4	X	77.61966	26.05799	162.38502	6.48025	0.0881049	0.17672125	3.1449243	20	7 3.5	20.8
396064 2013 CP_{69}	16.7	X	308.74116	241.03072	163.99864	16.92532	0.1180056	0.21763392	2.7372744	20	10 13.2	19.9
396065 2013 CC_{70}	15.9	X	160.71973	334.58612	131.50568	10.19443	0.0279875	0.18017852	3.1045647	20	6 23.5	20.4
396066 2013 CD_{71}	15.8	X	52.19108	109.56634	108.90439	10.11308	0.0400294	0.18065903	3.0990572	20	7 2.2	19.9
396067 2013 CV_{71}	16.9	X	10.39435	181.04938	134.97046	2.99474	0.0311406	0.20712539	2.8290926	20	9 13.6	20.6
396068 2013 CU_{72}	15.8	X	337.47591	133.35743	138.58638	16.07304	0.1508301	0.17542889	3.1603509	20	5 24.5	19.9
396069 2013 CA_{73}	17.4	X	291.11135	85.93953	151.63650	6.57474	0.0866577	0.27807511	2.3246699	20	1 24.0	20.3
396070 2013 CB_{73}	16.6	X	99.96593	95.83716	140.35151	15.09039	0.1229645	0.20453121	2.8529642	20	10 10.8	21.1
396071 2013 CE_{74}	16.8	X	310.77563	300.52654	103.75031	3.57668	0.1017867	0.21787309	2.7352708	20	10 15.2	20.0
396072 2013 CJ_{74}	16.0	X	79.73306	46.40645	145.89905	12.28423	0.0765787	0.18029793	3.1031937	20	7 9.7	20.5
396073 2013 CG_{76}	17.6	X	88.55945	158.95061	286.11975	5.84940	0.0873400	0.28463719	2.2888024	20	2 22.3	20.1
396074 2013 CW_{77}	16.6	X	231.42535	304.67641	130.03212	12.53652	0.0499913	0.19773203	2.9179960	20	8 7.1	20.8
396075 2013 CD_{81}	16.4	X	219.99390	209.23322	182.96533	10.94134	0.1268272	0.17924135	3.1153768	20	5 25.5	21.4
396076 2013 CA_{82}	16.7	X	318.88049	190.71543	195.98683	7.44300	0.0729560	0.21201210	2.7854516	20	10 2.3	20.0
396077 2013 CN_{84}	16.6	X	204.63617	91.26873	150.49128	15.19159	0.0693189	0.23759010	2.5817677	20	—	—
396078 2013 CS_{84}	16.7	X	4.17184	218.36953	90.44704	3.17016	0.0540439	0.20308831	2.8664614	20	8 27.7	20.4
396079 2013 CH_{85}	17.0	X	265.51106	105.30816	322.10339	3.28510	0.0383310	0.21375573	2.7702835	20	9 13.0	20.7
396080 2013 CO_{85}	16.9	X	116.65523	345.49579	318.03240	3.68309	0.1047132	0.24493658	2.5298821	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396081 2013 CC_{86}	16.7	X	116.44061	145.37882	110.63785	10.01952	0.1299253	0.22466149	2.6798899	20	11 21.3	21.0
396082 2013 CR_{89}	15.7	X	166.47127	316.63969	135.55313	14.57178	0.0343960	0.17282978	3.1919568	20	6 14.2	20.6
396083 2013 CT_{89}	16.0	X	99.23372	63.52685	128.86272	11.97522	0.0336200	0.18304164	3.0721054	20	7 28.8	20.4
396084 2013 CH_{91}	15.2	X	299.47077	118.78591	89.32251	3.03451	0.1642957	0.12622453	3.9358652	20	1 12.2	20.6
396085 2013 CJ_{92}	16.9	X	21.75752	78.39806	310.49821	5.66723	0.2635127	0.24607087	2.5221016	20	—	—
396086 2013 CO_{100}	16.4	X	57.26952	68.75479	158.78375	5.20315	0.1230166	0.18205364	3.0832102	20	8 1.4	20.5
396087 2013 CW_{101}	15.4	X	302.82076	199.75651	141.52632	12.21138	0.0749686	0.18368647	3.0649115	20	7 5.3	19.6
396088 2013 CD_{110}	16.8	X	304.61605	303.44511	93.51691	5.79380	0.0976977	0.21241079	2.7819651	20	9 25.7	20.2
396089 2013 CJ_{110}	14.8	X	302.64866	194.93033	132.98964	20.61589	0.1305510	0.18094974	3.0957372	20	6 13.2	19.2
396090 2013 CG_{112}	16.4	X	10.75285	247.69380	139.65953	30.87861	0.2143922	0.23567982	2.5956997	20	—	—
396091 2013 CV_{112}	16.2	X	279.35595	208.47627	141.84395	10.51302	0.0239257	0.18192481	3.0846656	20	6 22.8	20.6
396092 2013 CB_{115}	16.8	X	36.61430	209.35166	132.44735	6.53007	0.0477140	0.21952053	2.7215686	20	11 26.6	20.6
396093 2013 CJ_{115}	16.0	X	191.47859	293.86557	145.28240	18.09472	0.0869272	0.18050341	3.1008382	20	6 25.0	21.0
396094 2013 CR_{115}	16.9	X	276.86798	317.62356	92.67143	4.38786	0.0715948	0.21453249	2.7635924	20	9 4.2	20.5
396095 2013 CY_{117}	15.7	X	304.80973	224.61156	106.91689	16.62804	0.0706324	0.18398458	3.0615999	20	6 26.4	19.8
396096 2013 CZ_{120}	16.2	X	264.36264	266.03716	148.57006	5.11404	0.0540949	0.19589596	2.9362007	20	8 21.9	20.1
396097 2013 CZ_{122}	15.7	X	103.33154	354.39384	134.40477	11.54284	0.1216311	0.17452519	3.1712511	20	5 28.0	20.5
396098 2013 CF_{123}	16.0	X	125.36357	313.96179	194.82550	10.85307	0.1147882	0.17649439	3.1476187	20	7 10.8	21.0
396099 2013 CA_{130}	15.8	X	301.92697	169.66926	166.94099	14.10989	0.0938580	0.18175448	3.0865925	20	6 25.4	20.1
396100 2013 CQ_{137}	15.4	X	7.83848	118.90172	157.80571	11.84780	0.1180155	0.17635782	3.1492434	20	7 19.3	19.4
396101 2013 CD_{139}	16.8	X	57.00374	168.09099	20.04636	5.61489	0.0692701	0.17902939	3.1178352	20	6 2.1	21.0
396102 2013 CJ_{139}	16.6	X	347.13440	218.79261	128.72563	7.04190	0.0133605	0.21559846	2.7544757	20	9 25.4	20.3
396103 2013 CE_{141}	15.3	X	271.52209	151.53399	70.30411	3.76956	0.1347888	0.12511184	3.9591666	20	1 2.0	21.0
396104 2013 CJ_{143}	16.9	X	43.13613	166.90696	168.26443	5.91650	0.0548850	0.22003621	2.7173148	20	11 27.3	20.6
396105 2013 CH_{146}	16.1	X	7.12029	146.98433	136.92674	4.07646	0.1247705	0.18514353	3.0488100	20	7 30.3	19.5
396106 2013 CF_{147}	15.8	X	46.98312	92.77081	89.09065	5.77872	0.0444715	0.16106604	3.3455438	20	5 10.9	20.4
396107 2013 CT_{147}	16.3	X	216.30086	20.28948	41.77331	2.98345	0.0781512	0.18461531	3.0546227	20	6 30.1	20.8
396108 2013 CM_{149}	13.7	X	313.14089	282.18258	142.25810	10.67749	0.0567632	0.08281648	5.2126458	20	10 22.0	20.5
396109 2013 CK_{150}	16.1	X	192.37848	25.86417	6.69765	5.04787	0.1200173	0.16385274	3.3075030	20	4 27.0	21.4
396110 2013 CV_{158}	16.0	X	240.39952	240.75610	164.29284	6.81681	0.1313429	0.18553469	3.0445232	20	6 29.5	20.7
396111 2013 CN_{159}	16.1	X	264.31410	224.31449	149.50375	10.17567	0.0338606	0.18051670	3.1006860	20	7 1.5	20.5
396112 2013 CN_{160}	16.3	X	223.61941	240.57326	154.48479	9.89743	0.0901078	0.17513337	3.1639051	20	6 4.6	21.2
396113 2013 CZ_{161}	15.4	X	341.90278	129.80933	156.41835	11.46210	0.0469819	0.17278756	3.1924767	20	6 22.1	19.8
396114 2013 CD_{164}	16.3	X	214.74284	283.03621	166.84853	10.98193	0.0318163	0.18915726	3.0055275	20	8 5.6	20.7
396115 2013 CG_{170}	15.7	X	246.11025	225.98534	162.76291	10.15539	0.0465348	0.18160815	3.0882503	20	6 26.1	20.3
396116 2013 CZ_{174}	16.2	X	54.80272	61.16238	164.21202	10.88947	0.0318107	0.17826846	3.1267011	20	7 12.4	20.6
396117 2013 CH_{177}	16.7	X	260.83457	158.93920	258.07671	5.20713	0.0522617	0.20334903	2.8640108	20	8 19.1	20.6
396118 2013 CM_{177}	16.6	X	216.82784	278.88970	141.63239	6.06409	0.1141784	0.19023971	2.9941159	20	6 25.8	21.2
396119 2013 CH_{178}	15.9	X	153.85301	295.93273	168.61818	16.32593	0.0848309	0.17635156	3.1493180	20	6 16.6	21.0
396120 2013 CU_{178}	15.9	X	244.24598	255.36207	112.28511	11.47922	0.1278326	0.17821413	3.1273366	20	5 21.6	20.8
396121 2013 CV_{181}	15.7	X	6.75861	131.37485	123.55350	10.53550	0.0521214	0.17319561	3.1874603	20	6 17.5	20.0
396122 2013 CL_{183}	16.7	X	9.82146	209.53307	136.71824	6.71326	0.0370979	0.21709222	2.7418259	20	10 26.8	20.4
396123 2013 CJ_{188}	15.4	X	267.75781	234.46728	130.20831	17.00905	0.1405511	0.18347648	3.0672495	20	6 11.6	20.0
396124 2013 CT_{189}	16.6	X	233.12865	301.78350	161.60676	5.35587	0.0082569	0.21282307	2.7783710	20	9 23.8	20.3
396125 2013 CF_{190}	16.6	X	156.51802	170.77795	282.85940	5.73137	0.1120195	0.17679141	3.1440923	20	6 5.9	21.5
396126 2013 CJ_{191}	15.9	X	19.34316	130.03537	304.70487	10.96137	0.0148453	0.24483010	2.5306156	20	—	—
396127 2013 CD_{192}	15.7	X	71.35529	192.67848	123.78412	23.96269	0.0318008	0.22684156	2.6626922	20	12 11.0	19.8
396128 2013 CS_{198}	15.2	X	278.72954	345.19282	252.57071	6.97213	0.2172624	0.12408092	3.9810661	20	1 16.4	21.2
396129 2013 CX_{201}	16.4	X	60.45564	60.68034	120.75462	6.68570	0.0856525	0.16886371	3.2417424	20	6 2.6	20.8
396130 2013 CS_{203}	16.2	X	220.29258	275.44425	113.44355	9.24677	0.0981791	0.17735317	3.1374495	20	5 24.3	21.1
396131 2013 CT_{203}	16.8	X	26.37081	236.61884	106.66535	6.07627	0.1231902	0.22030908	2.7150706	20	11 25.7	20.3
396132 2013 CH_{211}	17.1	X	332.85041	290.96475	70.09355	1.44455	0.0877389	0.21444740	2.7643235	20	9 20.9	20.2
396133 2013 CE_{214}	13.9	X	314.78471	99.07808	310.31715	9.09521	0.0642406	0.08388228	5.1683975	20	9 29.1	20.6
396134 2013 CW_{214}	14.1	X	317.18008	107.75735	304.13276	8.49805	0.0438879	0.08377725	5.1727161	20	10 6.5	20.9
396135 2013 CJ_{216}	17.1	X	54.04039	126.79442	173.16132	4.41321	0.0458748	0.21050558	2.7987255	20	10 24.2	20.9
396136 2013 CJ_{222}	15.5	X	233.04216	279.36942	353.92213	2.35403	0.1342682	0.12414045	3.9797932	20	1 23.5	21.5
396137 2013 DD_{2}	16.5	X	98.19190	112.92387	138.38873	12.05809	0.1307933	0.21240597	2.7820071	20	10 28.9	21.0
396138 2013 DZ_{3}	16.8	X	286.88713	229.07424	164.82446	1.97679	0.0218583	0.20024322	2.8935489	20	8 30.0	20.5
396139 2013 DC_{5}	16.8	X	163.63934	356.56963	115.35205	2.54834	0.0876450	0.18470832	3.0535971	20	7 5.5	21.5
396140 2013 DU_{5}	14.3	X	162.13750	52.21960	158.80713	7.65275	0.0159527	0.08246415	5.2274826	20	10 20.2	21.3
396141 2013 DW_{7}	15.6	X	94.61355	48.25963	91.45958	10.76565	0.0533128	0.17065826	3.2189767	20	5 21.3	20.2
396142 2013 DH_{8}	16.1	X	251.21889	240.66943	96.93653	8.36458	0.1040256	0.16898313	3.2402150	20	4 25.6	21.0
396143 2013 DA_{9}	15.2	X	251.15601	193.68953	120.92222	10.95613	0.0689115	0.15740946	3.3971561	20	4 3.6	20.3
396144 2013 DJ_{9}	16.5	X	318.31689	245.79385	146.88047	5.57406	0.0659074	0.21260431	2.7802766	20	10 12.5	19.9
396145 2013 DV_{9}	16.1	X	75.35256	20.36476	144.77354	8.18273	0.0941182	0.17445737	3.1720729	20	6 3.3	20.6
396146 2013 DN_{10}	17.3	X	338.04081	34.11273	17.18673	4.54759	0.2452901	0.23979037	2.5659502	20	12 30.8	19.4
396147 2013 DS_{10}	16.6	X	341.11572	218.25438	154.61533	5.07086	0.1144441	0.21541268	2.7560592	20	10 23.2	19.7
396148 2013 DU_{10}	16.4	X	122.61077	64.50829	48.66980	17.10698	0.0980305	0.17045533	3.2215310	20	5 22.8	21.2
396149 2013 EE	16.6	X	295.47266	221.03405	204.74564	7.65463	0.1506179	0.22047520	2.7137065	20	10 12.1	19.5
396150 2013 EX_{2}	16.3	X	14.16222	199.48474	137.28820	6.49757	0.0196433	0.21338651	2.7734781	20	10 17.7	20.1
396151 2013 EK_{5}	16.5	X	334.73132	212.03749	163.44815	5.71176	0.0545325	0.20972293	2.8056841	20	10 13.4	20.0
396152 2013 EL_{5}	16.6	X	198.88533	280.73712	168.13302	2.63479	0.1617794	0.19024847	2.9940240	20	7 10.2	21.4
396153 2013 EO_{12}	16.2	X	224.15022	262.70651	150.34182	9.56571	0.1366248	0.18357588	3.0661423	20	6 22.4	21.1
396154 2013 EN_{13}	16.6	X	8.12737	244.44375	86.97468	1.08335	0.1493170	0.20252995	2.8717274	20	10 11.8	19.8
396155 2013 EY_{14}	15.3	X	252.07043	103.37095	153.43289	6.58496	0.0834369	0.12747712	3.9100401	20	1 25.5	21.1
396156 2013 EG_{25}	16.2	X	149.97211	285.59678	175.35752	13.84487	0.1118193	0.17513930	3.1638337	20	6 9.6	21.4
396157 2013 EQ_{32}	16.8	X	172.95267	245.36298	9.06970	7.59601	0.0402888	0.23036582	2.6354656	20	—	—
396158 2013 EE_{35}	14.3	X	284.01187	267.78982	190.08355	4.37413	0.0736091	0.08337213	5.1894593	20	10 19.4	20.9
396159 2013 EA_{41}	14.1	X	253.46835	90.25310	28.04955	7.55494	0.0783105	0.08383299	5.1704230	20	10 7.9	21.1
396160 2013 ER_{42}	16.7	X	298.13838	194.78095	186.44398	6.47917	0.0749005	0.19475143	2.9476932	20	8 20.1	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396161 2013 EY_{43}	16.4	X	343.80649	183.13168	171.72605	6.50056	0.1002104	0.20066504	2.8894925	20	9 28.0	19.7
396162 2013 EF_{48}	16.2	X	353.79882	144.38232	174.98488	14.48837	0.1529780	0.18570788	3.0426301	20	8 24.1	19.7
396163 2013 EJ_{48}	16.2	X	343.03205	150.84112	172.40874	17.06166	0.0906040	0.18508277	3.0494772	20	8 9.0	20.1
396164 2013 ES_{57}	16.5	X	162.42846	320.12152	149.80732	3.99307	0.1287722	0.17881398	3.1203387	20	7 2.3	21.4
396165 2013 EL_{70}	16.8	X	50.43916	217.29527	163.30899	11.70802	0.1415343	0.24072454	2.5593075	20	—	—
396166 2013 EK_{80}	15.6	X	214.03163	259.30039	136.00455	6.86810	0.1822707	0.17195594	3.2027614	20	5 20.7	21.0
396167 2013 EB_{92}	15.5	X	124.61526	291.40767	204.37953	25.18008	0.1503508	0.17218756	3.1998886	20	6 25.6	21.0
396168 2013 ER_{92}	16.6	X	244.12656	277.87272	259.06656	11.48573	0.1148514	0.23297000	2.6157890	20	12 28.7	19.8
396169 2013 EN_{102}	16.1	X	232.27185	281.61538	150.81510	9.70518	0.1521516	0.18751322	3.0230694	20	7 22.5	20.8
396170 2013 EJ_{112}	15.0	X	213.82715	286.50946	82.47142	13.77949	0.1106360	0.15276816	3.4656191	20	4 26.8	20.5
396171 2013 ED_{119}	16.1	X	246.53938	242.34920	172.27020	11.37082	0.0392701	0.18861841	3.0112489	20	7 29.5	20.6
396172 2013 EC_{126}	16.8	X	148.48994	216.92828	136.82878	5.01145	0.1860581	0.25219861	2.4810809	20	1 28.6	20.5
396173 2013 FL_{25}	15.6	X	158.94992	290.98208	177.98209	18.72765	0.1170745	0.17391922	3.1786131	20	6 27.0	21.0
396174 2013 GE_{1}	16.7	X	29.07567	249.93884	121.22641	7.38532	0.0389335	0.21588145	2.7520680	20	12 20.5	20.4
396175 2013 GL_{14}	15.6	X	244.25655	255.70239	134.53449	17.58233	0.1387294	0.17509233	3.1643995	20	6 16.6	20.6
396176 2013 GV_{20}	16.4	X	171.91310	93.72047	179.18274	17.10683	0.0813399	0.22985231	2.6393894	20	—	—
396177 2013 GY_{23}	17.0	X	64.13965	167.62160	222.42852	4.44626	0.0398635	0.23702161	2.5858942	20	—	—
396178 2013 GY_{24}	15.4	X	41.98336	22.01191	262.32101	6.06718	0.1603946	0.18234745	3.0798974	20	9 26.0	19.6
396179 2013 GR_{30}	15.9	X	27.93744	62.95393	214.29612	4.53736	0.1623530	0.17274821	3.1929614	20	8 26.7	19.9
396180 2013 GC_{38}	16.3	X	50.73501	93.11966	184.17156	12.47848	0.0282886	0.18594096	3.0400870	20	9 12.1	20.5
396181 2013 GY_{61}	16.2	X	64.98296	211.56502	34.41317	5.62836	0.0833619	0.17865392	3.1222022	20	9 1.5	20.5
396182 2013 GW_{80}	14.8	X	337.53265	26.96540	179.48639	11.03543	0.1447346	0.12407003	3.9812991	20	3 1.3	20.0
396183 2013 GU_{88}	15.3	X	50.87192	101.88021	176.57816	9.21459	0.0402698	0.17717270	3.1395797	20	9 15.2	19.7
396184 2013 GQ_{89}	16.4	X	169.68096	92.14111	207.39684	12.44965	0.0844033	0.23997358	2.5646440	20	—	—
396185 2013 GX_{90}	15.7	X	39.13491	207.28833	83.82667	14.20749	0.1864978	0.18630351	3.0361417	20	10 16.1	19.9
396186 2013 GQ_{92}	15.5	X	191.49075	266.57918	258.86601	16.12403	0.1781306	0.20184915	2.8781809	20	9 28.4	20.5
396187 2013 GL_{99}	16.1	X	152.93444	74.05515	213.22301	16.72954	0.1533498	0.21766470	2.7370163	20	—	—
396188 2013 GD_{135}	15.7	X	7.05842	230.92473	61.22522	6.92028	0.0695942	0.16848182	3.2466392	20	8 7.9	20.0
396189 2013 HY_{13}	16.0	X	125.89601	348.19419	208.58057	10.39107	0.0690382	0.18408137	3.0605266	20	9 4.7	20.7
396190 2013 HO_{42}	16.3	X	65.56473	35.40964	234.90150	8.92317	0.0464062	0.18588990	3.0406436	20	9 22.6	20.7
396191 2013 HX_{49}	15.7	X	172.27404	254.97323	233.32060	9.60528	0.0335984	0.17443374	3.1723594	20	7 31.4	20.5
396192 2013 JN_{25}	16.3	X	43.01304	227.49064	133.74791	6.85479	0.0483098	0.21361385	2.7715100	20	12 26.1	20.2
396193 2013 JA_{26}	15.6	X	70.04579	179.93833	126.26590	11.61392	0.1039909	0.19071014	2.9891900	20	11 26.1	20.1
396194 2013 JX_{44}	15.6	X	228.35015	235.59573	221.35896	7.58621	0.1026493	0.17785077	3.1315947	20	8 20.3	20.3
396195 2013 JW_{57}	16.5	X	20.33496	204.91924	197.74823	9.18132	0.1117265	0.21246604	2.7814827	20	—	—
396196 2013 PV_{9}	16.5	X	227.79627	32.81084	180.42612	3.09194	0.0877092	0.18825377	3.0151361	20	—	—
396197 2013 PU_{40}	17.1	X	174.16446	175.46043	252.02299	4.34314	0.1987003	0.24426052	2.5345481	20	5 22.9	21.2
396198 2013 PK_{52}	18.7	X	14.90879	76.21869	192.08719	5.11705	0.2224722	0.27644371	2.3338068	20	8 14.2	20.5
396199 2013 PA_{59}	15.8	X	107.83146	150.29332	169.22164	10.89944	0.1041849	0.18946408	3.0022818	20	—	—
396200 2013 PC_{70}	16.8	X	242.31765	217.09096	139.15994	4.39153	0.1961309	0.25332927	2.4736930	20	4 25.6	20.6
396201 2013 QT_{18}	17.4	X	186.31209	231.70044	142.60989	4.10211	0.0506528	0.23650095	2.5896881	20	3 27.9	21.0
396202 2013 RD_{22}	15.5	X	29.24527	237.54877	185.72796	16.46874	0.2295748	0.17637787	3.1490048	20	—	—
396203 2013 RK_{29}	17.2	X	305.99973	204.24874	124.87789	2.68837	0.2201515	0.26133325	2.4229230	20	6 3.2	19.6
396204 2013 RC_{90}	16.4	X	342.19648	18.03657	200.32419	12.65326	0.0995943	0.22909083	2.6452349	20	3 13.9	19.6
396205 2013 RX_{93}	18.1	X	38.08185	97.34816	197.68322	5.83945	0.1600118	0.28685179	2.2770068	20	10 28.4	20.6
396206 2013 SK_{21}	16.7	X	159.28293	23.43137	328.49529	2.91530	0.1055614	0.20986392	2.8044274	20	2 4.5	20.8
396207 2013 TL_{93}	15.7	X	340.91675	87.14460	38.51832	11.34689	0.1012247	0.17399399	3.1777024	20	—	—
396208 2013 WP_{16}	16.8	X	127.14349	263.19753	253.95776	3.71958	0.0628910	0.23782364	2.5800772	20	7 23.4	20.4
396209 2013 XK_{24}	16.7	X	182.46409	79.61285	32.26486	26.37118	0.2723988	0.23407390	2.6075585	20	8 2.3	21.9
396210 2013 YQ_{10}	17.9	X	271.05587	314.72303	158.76937	2.58217	0.1355235	0.26800523	2.3825419	20	11 22.5	20.3
396211 2013 YV_{18}	16.9	X	289.49683	274.74150	80.31028	3.44271	0.2347237	0.24543587	2.5264499	20	6 11.1	19.7
396212 2013 YH_{42}	16.1	X	82.98991	274.69806	298.27915	10.37375	0.1541863	0.22360022	2.6883629	20	8 21.2	20.0
396213 2013 YJ_{45}	17.7	X	235.66720	258.29583	292.10917	5.45641	0.0435935	0.28347520	2.2950527	20	—	—
396214 2013 YK_{47}	16.6	X	269.75264	248.66926	50.22213	5.10876	0.0484573	0.21493146	2.7601714	20	4 1.6	20.3
396215 2013 YR_{58}	17.2	X	157.09468	26.77571	136.36821	7.84282	0.1260585	0.23544487	2.5974262	20	9 7.2	21.3
396216 2013 YK_{124}	15.7	X	162.44335	280.61414	112.71111	11.73783	0.0774260	0.18584162	3.0411702	20	4 3.0	20.5
396217 2013 YX_{125}	16.8	X	188.88392	42.51535	101.84282	6.07444	0.0402721	0.24136117	2.5548051	20	9 23.9	20.3
396218 2013 YZ_{125}	15.4	X	104.69039	340.59348	119.09151	14.99689	0.0822559	0.18762101	3.0219115	20	4 21.7	20.0
396219 2013 YA_{140}	15.6	X	19.13268	214.94750	323.52023	13.76293	0.1293107	0.17415561	3.1757360	20	3 23.3	19.6
396220 2014 AH	16.7	X	266.29289	86.55197	237.45526	6.55464	0.0846271	0.22165027	2.7041070	20	4 21.3	20.4
396221 2014 AB_{12}	16.9	X	184.23122	112.53271	348.61868	12.44196	0.1537151	0.21948782	2.7218390	20	7 16.8	21.5
396222 2014 AB_{15}	17.1	X	247.16847	219.58424	195.70942	8.39200	0.1523450	0.23903236	2.5713720	20	7 18.9	21.0
396223 2014 AJ_{27}	17.1	X	172.22733	342.49675	146.19384	11.43869	0.1763922	0.22963811	2.6410305	20	8 5.9	21.5
396224 2014 AH_{43}	15.8	X	166.27318	272.83614	130.06799	11.40244	0.1457626	0.20035706	2.8924528	20	4 20.2	20.6
396225 2014 AP_{49}	17.4	X	192.23150	77.11656	105.74235	7.47173	0.0737915	0.25713505	2.4492241	20	11 15.9	20.9
396226 2014 AL_{53}	16.0	X	56.24152	6.00093	103.28955	16.75250	0.2097243	0.18338935	3.0682211	20	3 18.2	19.9
396227 2014 BA_{1}	16.5	X	95.07618	41.49958	87.01708	2.55473	0.1692933	0.19987383	2.8971129	20	5 21.7	20.5
396228 2014 BO_{2}	17.1	X	241.50756	66.18323	318.11401	4.52613	0.0887587	0.22036112	2.7146431	20	6 9.7	21.1
396229 2014 BP_{5}	16.3	X	53.40406	161.67508	350.26371	16.03983	0.2382275	0.18242062	3.0790738	20	4 28.3	20.3
396230 2014 BN_{12}	15.9	X	261.01842	148.11688	122.81322	12.87291	0.0361835	0.16817943	3.2505297	20	2 23.1	20.6
396231 2014 BJ_{14}	17.6	X	184.96857	209.99684	348.28792	1.73359	0.1638348	0.25708524	2.4495405	20	11 16.3	21.4
396232 2014 BZ_{23}	17.0	X	139.06210	241.01284	291.74997	11.94595	0.1991854	0.22513826	2.6761052	20	8 27.4	21.7
396233 2014 BE_{24}	16.1	X	255.01781	48.18796	286.47274	10.01370	0.1074064	0.19362781	2.9590858	20	4 16.7	20.7
396234 2014 BM_{29}	16.9	X	270.46957	16.42584	127.11844	6.76666	0.0548522	0.27292759	2.3538083	20	—	—
396235 2014 BO_{29}	15.5	X	98.35324	132.48801	321.36242	18.79143	0.0976452	0.18429060	3.0582097	20	3 23.4	20.1
396236 2014 BS_{29}	17.5	X	250.66209	184.20906	342.52141	1.14185	0.1299262	0.27231624	2.3573298	20	—	—
396237 2014 BF_{30}	15.9	X	130.67348	271.76114	155.79470	12.16051	0.0576103	0.18317512	3.0706129	20	4 5.7	20.4
396238 2014 BJ_{35}	17.6	X	224.95502	116.39647	112.09102	3.98710	0.1867153	0.28166407	2.3048805	20	—	—
396239 2014 BL_{35}	16.6	X	251.02247	278.88531	109.50567	3.07577	0.0599846	0.21717058	2.7411663	20	7 1.2	20.2
396240 2014 BE_{37}	16.3	X	144.12553	229.38706	322.41908	6.70891	0.1343766	0.23266025	2.6181102	20	9 26.1	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396241 2014 BJ_{37}	15.7	X	164.27763	237.67825	157.40721	11.97298	0.1328858	0.18384155	3.0631876	20	4 7.3	20.6
396242 2014 BR_{37}	17.8	X	275.02363	189.38137	289.76220	2.02920	0.1377817	0.26441709	2.4040474	20	12 5.3	20.3
396243 2014 BL_{38}	17.3	X	219.65935	49.83845	141.24503	2.36270	0.1113998	0.26538067	2.3982246	20	12 24.7	20.4
396244 2014 BU_{42}	15.7	X	260.48412	346.80360	303.07991	7.73928	0.0204871	0.17691013	3.1426855	20	3 11.6	20.4
396245 2014 BV_{44}	16.7	X	101.24778	318.30864	141.34135	1.82387	0.1364333	0.18588673	3.0406782	20	4 18.8	21.1
396246 2014 BH_{45}	15.6	X	22.27599	35.59973	141.73959	11.34800	0.0737052	0.17796382	3.1302683	20	4 4.1	19.7
396247 2014 BJ_{47}	16.5	X	312.74220	282.44750	336.32467	1.30420	0.0581772	0.18413755	3.0599040	20	4 4.5	20.6
396248 2014 BN_{47}	17.3	X	219.23730	207.76038	316.68995	2.25194	0.0623425	0.26056466	2.4276852	20	11 24.6	20.5
396249 2014 BU_{48}	16.1	X	37.83312	27.11329	162.01207	9.74404	0.0546181	0.18462432	3.0545233	20	5 9.3	20.3
396250 2014 BF_{56}	17.0	X	199.64825	105.12104	92.08268	3.08630	0.1274073	0.26104324	2.4247171	20	12 5.4	20.4
396251 2014 BV_{60}	16.3	X	175.05847	128.19484	333.09153	13.22936	0.1471526	0.22196327	2.7015643	20	7 7.8	20.8
396252 2014 BH_{63}	17.7	X	237.82132	172.73942	331.68778	4.69537	0.1780310	0.26090982	2.4255437	20	11 3.4	20.9
396253 2014 BO_{63}	16.0	X	54.89537	313.92408	148.55441	14.38897	0.1033075	0.17071215	3.2182993	20	2 16.9	20.1
396254 2014 CP_{2}	15.7	X	55.52058	150.97479	351.36191	15.78034	0.0997823	0.17922826	3.1155285	20	4 2.1	19.8
396255 2014 CX_{2}	15.8	X	8.98895	302.54821	25.10651	6.77170	0.1748610	0.23843609	2.5756572	20	10 19.5	18.3
396256 2014 CD_{4}	16.5	X	290.16355	24.42089	336.13084	5.25710	0.0346281	0.22327214	2.6909958	20	7 22.4	19.9
396257 2014 CB_{5}	15.8	X	124.84721	286.32142	138.80096	10.05685	0.0694311	0.18042306	3.1017588	20	3 28.8	20.4
396258 2014 CO_{7}	16.4	X	87.30627	275.43637	330.44975	11.48798	0.2127008	0.23088204	2.6315358	20	10 11.6	20.7
396259 2014 CN_{11}	16.0	X	307.66352	177.07220	92.60417	2.34146	0.0751213	0.18506058	3.0497209	20	4 10.8	20.2
396260 2014 CK_{12}	17.9	X	300.90848	137.04944	21.74518	2.22623	0.0953846	0.29243448	2.2479346	20	—	—
396261 2014 CK_{13}	17.3	X	10.64184	118.68900	156.86921	22.36385	0.0375603	0.37276579	1.9121062	20	8 4.4	19.1
396262 2014 CY_{14}	16.2	X	172.24386	151.40170	293.34097	7.42108	0.0544646	0.20432105	2.8549202	20	6 10.3	20.3
396263 2014 CG_{15}	15.5	X	78.09875	357.12518	132.50435	11.76170	0.0428976	0.18298829	3.0727025	20	4 18.5	19.9
396264 2014 CO_{15}	16.0	X	271.89540	358.86499	322.77288	8.65811	0.0548211	0.19146216	2.9813577	20	4 28.1	20.4
396265 2014 CQ_{15}	16.2	X	85.43945	311.05422	159.31734	19.17281	0.1878275	0.18251467	3.0780159	20	4 24.6	20.8
396266 2014 CF_{16}	16.0	X	58.48750	155.92985	330.73060	6.71454	0.2049159	0.17566727	3.1574912	20	4 2.9	19.9
396267 2014 CQ_{16}	17.7	X	260.88658	298.63968	264.07069	2.21006	0.1193754	0.28939818	2.2636304	20	—	—
396268 2014 CT_{16}	15.8	X	123.09751	118.60806	324.71430	11.01589	0.0841790	0.18450473	3.0558430	20	4 10.9	20.5
396269 2014 CP_{17}	15.6	X	40.09492	175.63139	346.00491	10.07375	0.0206766	0.17741295	3.1367447	20	3 30.3	20.0
396270 2014 CJ_{18}	15.8	X	37.10378	187.02770	3.71687	8.99371	0.0733451	0.18369642	3.0648008	20	5 6.3	19.9
396271 2014 CL_{18}	17.9	X	23.46719	95.88051	352.07869	5.15844	0.1084956	0.29577996	2.2309520	20	—	—
396272 2014 CY_{18}	15.9	X	356.45350	241.68597	0.32180	15.26369	0.1682686	0.18082903	3.0971146	20	5 6.4	19.6
396273 2014 CV_{19}	17.7	X	223.22797	34.59324	140.07970	2.20589	0.1483330	0.26318575	2.4115400	20	12 2.1	20.8
396274 2014 CS_{20}	17.3	X	198.45323	138.68039	309.74014	6.87192	0.2867033	0.22717716	2.6600692	20	7 6.4	22.1
396275 2014 CD_{21}	16.9	X	294.86637	115.90688	341.42429	6.71475	0.0796810	0.26602481	2.3943517	20	12 13.8	19.6
396276 2014 CO_{21}	16.8	X	202.61538	159.97665	326.14068	4.02065	0.1885628	0.23646567	2.5899456	20	8 30.4	20.8
396277 2014 CF_{22}	16.4	X	218.67534	197.77551	283.11438	3.38542	0.2129418	0.24191817	2.5508821	20	9 5.4	20.5
396278 2014 CJ_{22}	17.5	X	268.30469	240.64004	254.58573	4.04011	0.1361381	0.26939986	2.3743121	20	12 18.8	19.6
396279 2014 CD_{23}	17.2	X	160.29740	166.57882	357.93784	6.24878	0.1969314	0.22928085	2.6437732	20	9 10.2	21.5
396280 2014 DK_{1}	15.8	X	3.01203	42.31924	150.43907	9.12787	0.0833922	0.17547297	3.1598216	20	3 24.5	19.8
396281 2014 DT_{1}	16.0	X	108.52079	258.80246	326.05652	10.44401	0.1454450	0.22889758	2.6467235	20	9 30.9	20.2
396282 2014 DE_{2}	17.3	X	130.63701	183.49054	327.07195	3.34174	0.1431526	0.21170510	2.7881438	20	7 24.6	21.6
396283 2014 DP_{4}	17.5	X	228.10865	10.13460	226.45501	5.73701	0.2177202	0.28312084	2.2969674	20	—	—
396284 2014 DD_{5}	17.1	X	188.39487	12.77096	181.56398	10.27165	0.1456124	0.25341816	2.4731145	20	11 18.1	20.9
396285 2014 DC_{7}	17.2	X	192.26365	352.15372	209.23634	8.48215	0.1594269	0.25656307	2.4528629	20	11 28.9	20.8
396286 2014 DX_{7}	16.6	X	109.07720	188.24761	342.08107	8.57293	0.1197608	0.21070007	2.7970029	20	7 26.7	20.8
396287 2014 DL_{14}	17.0	X	153.05381	128.83434	61.04840	10.99775	0.2024627	0.23224786	2.6212085	20	10 9.4	21.5
396288 2014 DM_{18}	16.9	X	164.59470	119.88956	336.60126	12.54234	0.1663442	0.21086820	2.7955160	20	6 19.8	21.7
396289 2014 DR_{18}	15.8	X	148.28936	242.16834	153.34467	13.77685	0.1224954	0.17824616	3.1269620	20	3 22.7	20.7
396290 2014 DA_{19}	16.8	X	230.53080	231.69260	220.80814	3.78690	0.1998339	0.24022522	2.5628527	20	8 13.0	20.7
396291 2014 DH_{19}	17.1	X	231.53826	215.28655	346.58870	6.61280	0.0640038	0.27567800	2.3381264	20	—	—
396292 2014 DR_{19}	16.4	X	35.14262	51.96308	122.70311	1.95175	0.1159437	0.17916040	3.1163151	20	4 20.2	20.3
396293 2014 DD_{20}	15.8	X	45.34361	187.18594	0.84098	11.31438	0.0651995	0.18253388	3.0778000	20	5 12.9	20.0
396294 2014 DK_{20}	14.1	X	254.75629	273.12006	183.94040	6.30067	0.1412217	0.08351430	5.1835681	20	9 6.1	21.2
396295 2014 DP_{20}	17.7	X	258.30451	229.34055	338.09655	3.10543	0.1456224	0.28005404	2.3137059	20	—	—
396296 2014 DY_{20}	16.6	X	95.41809	157.20315	343.24602	3.90093	0.1362827	0.19151360	2.9808238	20	5 31.9	20.8
396297 2014 DZ_{20}	16.7	X	171.04098	87.38369	69.36917	8.30644	0.1255104	0.22771148	2.6559064	20	9 15.2	20.9
396298 2014 DB_{21}	18.1	X	256.11740	116.05158	123.21814	1.55334	0.1195216	0.29742461	2.2227201	20	—	—
396299 2014 DK_{21}	16.8	X	155.22176	325.24455	180.84241	9.28795	0.1540096	0.21644389	2.7472984	20	8 9.9	21.3
396300 2014 DT_{23}	17.1	X	162.89559	202.05830	333.08605	3.28943	0.0983833	0.23404198	2.6077956	20	9 25.9	21.1
396301 2014 DZ_{23}	16.3	X	36.99269	0.90905	180.46643	7.40335	0.0601886	0.18065062	3.0991534	20	4 27.4	20.4
396302 2014 DA_{24}	15.8	X	346.18037	58.90962	176.83782	9.57558	0.0424928	0.18058969	3.0998505	20	4 25.4	20.0
396303 2014 DV_{25}	17.5	X	254.45922	78.25286	99.14581	5.22255	0.1040467	0.27307732	2.3529478	20	—	—
396304 2014 DZ_{25}	16.3	X	6.03823	218.17728	75.66277	6.63980	0.0231211	0.21374213	2.7704009	20	8 10.2	20.0
396305 2014 DQ_{27}	16.5	X	110.04657	15.77325	160.12997	5.29144	0.0595531	0.21819265	2.7325994	20	7 25.8	20.4
396306 2014 DS_{27}	18.2	X	269.01217	261.61061	272.69499	1.34499	0.1803502	0.28365792	2.2940670	20	—	—
396307 2014 DU_{28}	17.1	X	211.28021	44.59517	78.11147	4.82050	0.1208530	0.23457266	2.6038610	20	9 12.7	20.9
396308 2014 DM_{30}	17.2	X	119.11911	119.64266	152.05435	5.07828	0.1349018	0.25671629	2.4518869	20	12 16.3	21.1
396309 2014 DH_{31}	16.6	X	102.20333	27.19852	172.04401	13.89011	0.0649620	0.21624767	2.7489601	20	8 15.4	20.6
396310 2014 DX_{31}	17.5	X	250.85775	156.42152	5.25281	6.58870	0.0734362	0.26920879	2.3754354	20	—	—
396311 2014 DZ_{33}	16.5	X	51.13671	171.29903	355.30124	16.29904	0.0464308	0.18262981	3.0767220	20	4 18.7	20.9
396312 2014 DD_{34}	16.3	X	359.09885	152.08025	70.45869	2.02008	0.1186501	0.18014360	3.1049658	20	4 23.1	19.8
396313 2014 DG_{34}	15.9	X	112.20878	93.59676	346.37321	15.15571	0.0682834	0.17564733	3.1577301	20	3 25.4	20.5
396314 2014 DH_{34}	17.2	X	176.58817	35.80242	108.65819	2.79606	0.0342160	0.22904154	2.6456144	20	9 5.4	20.9
396315 2014 DX_{34}	16.8	X	156.84157	53.80475	141.56310	4.32572	0.0809062	0.24001223	2.5643687	20	10 19.2	20.5
396316 2014 DZ_{34}	17.5	X	119.86861	244.58778	358.04390	3.24229	0.2073473	0.23633463	2.5909029	20	11 9.4	21.8
396317 2014 DR_{35}	16.2	X	354.29664	180.49829	36.89131	6.28372	0.0912481	0.17436876	3.1731476	20	4 10.5	20.3
396318 2014 DT_{35}	17.6	X	239.23653	173.90711	50.05004	4.14133	0.1882718	0.28078810	2.3096717	20	—	—
396319 2014 DK_{38}	17.9	X	325.04765	146.23580	337.23063	3.99244	0.1230711	0.28110986	2.3079089	20	—	—
396320 2014 DO_{38}	16.7	X	239.62362	331.15679	151.02410	4.93177	0.1103158	0.24006605	2.5639854	20	10 17.3	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396321 2014 DK_{43}	16.8	X	55.60931	123.30619	172.24079	3.70984	0.1040749	0.23114836	2.6295141	20	11 1.8	20.3
396322 2014 DU_{45}	16.2	X	344.40026	224.44201	1.75103	10.05442	0.1696659	0.17376514	3.1804918	20	3 28.8	19.9
396323 2014 DX_{45}	16.6	X	66.12156	113.68786	155.36365	16.81894	0.0951855	0.23382263	2.6094262	20	10 14.1	20.4
396324 2014 DO_{46}	15.8	X	74.35479	329.15739	184.31463	11.13767	0.1496056	0.18371589	3.0645843	20	5 26.4	20.1
396325 2014 DB_{47}	17.8	X	231.71121	350.43988	247.64547	1.92064	0.1161329	0.28207388	2.3026475	20	—	—
396326 2014 DE_{47}	16.0	X	15.46280	239.76940	350.80084	9.62829	0.1165301	0.18360090	3.0658637	20	5 29.3	19.9
396327 2014 DD_{48}	17.4	X	98.39230	141.21824	176.64978	6.28747	0.0886883	0.25989175	2.4318739	20	—	—
396328 2014 DF_{48}	17.8	X	210.65586	245.35851	347.11764	0.89548	0.1456801	0.26928930	2.3749619	20	—	—
396329 2014 DT_{48}	17.6	X	171.73372	57.79847	205.15442	4.78529	0.1982777	0.26240826	2.4163011	20	—	—
396330 2014 DY_{48}	17.9	X	326.12592	260.57820	195.42647	3.48220	0.1966739	0.27522956	2.3406654	20	—	—
396331 2014 DF_{49}	15.7	X	352.42270	73.01280	178.78002	12.35996	0.0261871	0.18394173	3.0620753	20	5 25.3	20.0
396332 2014 DA_{55}	16.8	X	119.70249	132.16524	97.93396	2.22012	0.0740960	0.23211973	2.6221730	20	10 20.5	20.5
396333 2014 DL_{55}	16.2	X	353.83625	96.57588	153.89098	4.17590	0.0705309	0.18460720	3.0547122	20	5 23.6	20.0
396334 2014 DJ_{57}	18.2	X	331.44610	128.76735	16.56989	6.17229	0.0984912	0.29359169	2.2420238	20	—	—
396335 2014 DW_{60}	15.7	X	220.36246	0.17285	12.04757	11.80302	0.0736425	0.18389439	3.0626008	20	4 30.1	20.5
396336 2014 DF_{62}	16.5	X	71.22618	232.08047	23.60300	7.86009	0.1541697	0.21675566	2.7446634	20	10 5.1	20.4
396337 2014 DA_{64}	17.5	X	177.25720	171.95242	114.12390	3.33807	0.2098683	0.27325630	2.3519203	20	—	—
396338 2014 DU_{64}	18.0	X	290.02744	188.96631	45.27789	3.64235	0.0963513	0.30701133	2.1762049	20	1 13.6	20.6
396339 2014 DE_{65}	17.3	X	94.96297	148.31335	119.02949	4.64566	0.1942892	0.22928462	2.6437442	20	11 18.4	21.5
396340 2014 DB_{66}	16.5	X	102.63397	55.88791	61.93531	5.65742	0.0963058	0.18086082	3.0967518	20	5 7.8	20.9
396341 2014 DX_{67}	17.1	X	149.66004	54.94807	149.67631	11.24088	0.0606047	0.23423056	2.6063957	20	10 24.5	21.0
396342 2014 DY_{67}	16.4	X	160.57034	333.26732	115.81559	5.07874	0.0716320	0.19236340	2.9720384	20	6 3.8	20.8
396343 2014 DH_{69}	17.6	X	340.56955	315.28781	133.39758	4.30271	0.1969513	0.27852323	2.3221758	20	—	—
396344 2014 DQ_{69}	16.2	X	9.95135	90.17676	153.29991	9.88250	0.1051338	0.18568534	3.0428763	20	6 9.7	20.1
396345 2014 DX_{70}	17.2	X	4.81631	290.15723	130.63504	5.00374	0.0898259	0.27005656	2.3704615	20	—	—
396346 2014 DD_{71}	16.2	X	116.83224	51.98690	29.94716	10.28696	0.2277591	0.17761799	3.1343302	20	4 23.6	21.1
396347 2014 DH_{72}	16.5	X	116.70161	140.18739	52.51442	6.10435	0.0842368	0.21391585	2.7689009	20	8 30.9	20.6
396348 2014 DA_{79}	16.4	X	43.69292	143.18665	115.77858	5.76851	0.0665211	0.20856231	2.8160833	20	8 20.3	20.0
396349 2014 DB_{79}	16.9	X	320.19873	309.26946	82.66841	3.40225	0.0670674	0.23575548	2.5951443	20	10 18.7	19.8
396350 2014 DG_{79}	13.9	X	359.95963	275.26084	105.00195	6.81115	0.0116605	0.08516306	5.1164476	20	10 29.0	20.7
396351 2014 DK_{79}	17.1	X	220.36818	118.43266	82.54065	6.15322	0.0563324	0.26319963	2.4114552	20	—	—
396352 2014 DV_{79}	16.1	X	47.57951	28.33287	130.58449	6.06328	0.0706689	0.17200426	3.2021617	20	4 16.4	20.4
396353 2014 DN_{81}	16.4	X	19.77923	355.88804	354.18971	6.86123	0.1989537	0.24573813	2.5243778	20	12 11.7	19.6
396354 2014 DJ_{82}	16.5	X	40.43573	31.81654	158.32305	1.68638	0.0911096	0.18293625	3.0732853	20	5 15.9	20.4
396355 2014 DS_{82}	17.7	X	252.13699	208.97529	330.81695	2.74427	0.1670870	0.27518701	2.3409067	20	—	—
396356 2014 DZ_{83}	17.6	X	230.79326	122.13658	53.49159	2.27269	0.1156476	0.26222224	2.4174437	20	12 17.5	20.4
396357 2014 DJ_{84}	16.5	X	58.21617	292.28451	0.68925	14.66760	0.1022755	0.23338888	2.6126582	20	10 26.6	20.3
396358 2014 DZ_{84}	16.4	X	239.40699	243.58768	116.05708	3.03860	0.0967527	0.18889246	3.0083357	20	5 7.4	20.9
396359 2014 DC_{87}	15.7	X	270.32451	137.81937	163.79146	9.20275	0.0432291	0.17768760	3.1335115	20	4 9.3	20.2
396360 2014 DL_{88}	16.4	X	52.31398	62.45155	132.21445	2.83526	0.0174383	0.19864197	2.9090780	20	5 30.0	20.4
396361 2014 DD_{89}	16.2	X	68.51924	259.99909	24.03891	11.75819	0.1646473	0.22246420	2.6975073	20	11 5.6	20.3
396362 2014 DF_{89}	16.2	X	264.22408	261.90985	169.60927	16.60333	0.1698191	0.23121611	2.6290004	20	8 29.4	19.5
396363 2014 DL_{89}	17.6	X	29.07531	330.98824	107.89284	3.93503	0.1377138	0.28960433	2.2625561	20	—	—
396364 2014 DN_{89}	16.4	X	218.85607	296.65573	167.43314	14.07311	0.2549834	0.23078289	2.6322895	20	8 10.6	20.8
396365 2014 DL_{90}	17.5	X	320.21744	346.25343	146.42736	6.87712	0.0488239	0.27675432	2.3320603	20	—	—
396366 2014 DT_{90}	17.5	X	309.26076	90.08944	24.46365	12.07302	0.1713278	0.27059482	2.3673169	20	—	—
396367 2014 DF_{93}	17.7	X	262.09058	319.54637	154.88183	1.67810	0.1476220	0.25688668	2.4508026	20	11 3.9	20.5
396368 2014 DL_{95}	16.8	X	184.93275	254.78686	233.02539	3.89993	0.0629740	0.22084058	2.7107126	20	8 19.3	20.7
396369 2014 DP_{98}	17.3	X	308.99017	68.55135	61.11405	5.77609	0.0518568	0.27835599	2.3231059	20	—	—
396370 2014 DQ_{104}	16.5	X	236.46328	124.50220	300.01170	3.21686	0.0418596	0.21496417	2.7598914	20	8 2.0	20.2
396371 2014 DV_{105}	16.7	X	346.33979	204.00964	152.71089	4.13539	0.0680806	0.23574371	2.5952307	20	10 11.4	19.7
396372 2014 DV_{106}	17.2	X	184.92885	51.59349	168.16162	6.52845	0.0857187	0.25906777	2.4370276	20	12 21.6	20.7
396373 2014 DX_{106}	17.2	X	156.00926	188.57220	344.19120	2.93296	0.1848852	0.22843802	2.6502720	20	9 15.7	21.6
396374 2014 DD_{109}	16.1	X	23.54980	201.76724	21.65398	17.37694	0.1572881	0.17754834	3.1351498	20	6 4.1	20.0
396375 2014 DL_{109}	17.0	X	323.97459	265.72001	157.68202	9.80035	0.0347001	0.24469123	2.5315730	20	12 7.9	20.3
396376 2014 DZ_{111}	15.6	X	343.45437	146.99525	117.20469	5.97752	0.0933688	0.17964158	3.1107478	20	5 25.0	19.5
396377 2014 DW_{113}	15.7	X	95.90267	119.78250	341.85676	26.73661	0.1868205	0.18255453	3.0775678	20	4 6.9	20.6
396378 2014 DX_{113}	15.7	X	85.03388	145.25967	342.89437	15.21228	0.1627941	0.18529508	3.0471473	20	5 1.2	20.2
396379 2014 DA_{115}	17.9	X	215.77085	356.64891	212.58508	0.82917	0.1373678	0.26870919	2.3783789	20	—	—
396380 2014 DC_{115}	17.4	X	288.72074	125.87899	337.90333	4.76436	0.1409559	0.26467911	2.4024606	20	12 7.5	19.6
396381 2014 DS_{115}	16.2	X	218.54114	220.96254	187.96075	1.98868	0.1003088	0.19955586	2.9001896	20	6 14.4	20.5
396382 2014 DP_{117}	16.6	X	52.17136	177.16082	62.68640	6.78490	0.0112208	0.21107523	2.7936878	20	7 30.4	20.4
396383 2014 DT_{117}	16.2	X	315.22670	251.80158	3.84736	10.62111	0.0374845	0.17575666	3.1564205	20	4 5.9	20.5
396384 2014 DK_{118}	16.4	X	239.39920	258.36744	120.69761	5.90653	0.1213157	0.20024483	2.8935334	20	5 29.2	20.8
396385 2014 DS_{118}	16.9	X	126.54976	232.50843	50.31477	5.72240	0.1207506	0.25738648	2.4476288	20	—	—
396386 2014 DG_{119}	17.5	X	187.44389	71.97946	150.55540	1.67364	0.1376227	0.25945426	2.4346069	20	12 22.4	21.0
396387 2014 DK_{119}	17.6	X	255.66646	281.19617	236.79459	0.47516	0.1214837	0.26745899	2.3857847	20	12 31.1	20.0
396388 2014 DX_{119}	16.2	X	321.31528	282.23541	7.83774	10.63221	0.0467969	0.18908193	3.0063257	20	5 25.7	20.4
396389 2014 DZ_{120}	16.8	X	217.79828	285.97611	169.35054	12.07405	0.2461112	0.23406976	2.6075892	20	7 30.5	21.2
396390 2014 DF_{121}	17.6	X	227.87103	60.67594	169.99896	6.88880	0.0745073	0.28373967	2.2936264	20	—	—
396391 2014 DN_{121}	16.9	X	125.04025	354.40897	215.47613	1.07867	0.0781087	0.23001612	2.6381361	20	9 29.3	20.6
396392 2014 DW_{121}	17.3	X	208.22372	311.41919	168.33788	8.13022	0.1010339	0.23300315	2.6155410	20	9 4.2	21.1
396393 2014 DJ_{122}	14.8	X	252.77352	147.92654	170.52304	30.26203	0.1930268	0.17180420	3.2046471	20	3 23.9	19.9
396394 2014 DF_{126}	16.3	X	343.69370	72.95603	178.26464	5.04635	0.1001525	0.18429952	3.0581110	20	5 7.4	20.1
396395 2014 DZ_{130}	14.1	X	332.98000	306.57253	73.74029	3.41129	0.0377375	0.08150935	5.2682263	20	9 25.9	20.9
396396 2014 DC_{132}	17.8	X	185.07744	57.83619	188.77858	2.57922	0.1853969	0.26467808	2.4024668	20	—	—
396397 2014 DH_{139}	16.3	X	164.71158	245.71360	176.01087	5.86332	0.1985418	0.19080738	2.9881744	20	5 10.2	21.4
396398 2014 DJ_{139}	16.6	X	203.52840	255.94926	191.26701	8.73321	0.1336555	0.21513634	2.7584187	20	7 13.9	21.0
396399 2014 DJ_{140}	17.1	X	160.99742	147.80581	15.65955	3.29753	0.1106474	0.22627620	2.6671256	20	9 9.9	21.1
396400 2014 DP_{142}	16.5	X	292.48380	93.89688	319.35376	10.29990	0.1321327	0.24437983	2.5337230	20	9 21.9	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396401 2014 ED_1	17.5	X	271.58503	296.81027	167.32464	1.52209	0.1339663	0.25873512	2.4391160	20	11 7.3	19.9
396402 2014 EL_1	17.1	X	282.37247	72.38777	342.65808	4.05729	0.0306037	0.22968655	2.6406591	20	9 23.4	20.5
396403 2014 EX_1	17.5	X	161.10453	24.27646	215.21835	1.74293	0.1379016	0.25601868	2.4563389	20	12 16.1	21.3
396404 2014 EP_4	17.3	X	358.50665	303.18189	131.02577	4.26502	0.0487126	0.27226381	2.3576325	20	—	—
396405 2014 EW_4	13.6	X	262.62737	92.87072	10.79967	7.16739	0.0719346	0.08326752	5.1938047	20	10 1.5	20.4
396406 2014 EY_4	17.7	X	229.90278	237.76055	344.83771	4.21730	0.1547357	0.27152752	2.3618926	20	—	—
396407 2014 EJ_7	17.1	X	175.91025	156.91890	356.72378	13.29068	0.1652529	0.22987858	2.6391883	20	9 11.7	21.3
396408 2014 ER_7	16.7	X	74.49262	89.50893	163.97558	14.07650	0.1989547	0.21746676	2.7386769	20	10 13.4	20.9
396409 2014 EG_8	13.5	X	170.25935	32.87754	145.49185	20.05266	0.0561919	0.08431702	5.1506166	20	9 24.4	20.7
396410 2014 EZ_{11}	16.6	X	97.16233	188.26931	57.52610	9.12716	0.1337168	0.22464182	2.6800464	20	10 21.2	20.6
396411 2014 ER_{12}	16.9	X	148.41414	173.19471	26.26575	4.29357	0.1099798	0.23084692	2.6318027	20	10 12.4	20.9
396412 2014 EC_{19}	13.7	X	306.21076	259.33610	144.14818	9.70914	0.0709468	0.08189433	5.2517030	20	9 16.9	20.4
396413 2014 ED_{23}	14.4	X	257.24869	141.21039	325.61712	1.16773	0.0178710	0.08570430	5.0948842	20	10 5.7	21.2
396414 2014 EQ_{23}	17.9	X	228.88555	103.58200	111.60229	3.10284	0.1385792	0.27040642	2.3684163	20	—	—
396415 2014 ER_{23}	16.1	X	105.00451	90.60473	18.50842	14.17978	0.1099313	0.17709148	3.1405396	20	4 28.1	20.8
396416 2014 ET_{23}	17.6	X	325.19556	45.47726	96.26387	3.84389	0.1017065	0.28653134	2.2787042	20	—	—
396417 2014 EY_{23}	17.8	X	315.56981	339.59715	145.03741	5.93280	0.1177352	0.27550961	2.3390789	20	—	—
396418 2014 EQ_{25}	16.8	X	216.77695	98.66502	356.50673	14.50315	0.0999909	0.22737776	2.6585045	20	8 17.8	20.8
396419 2014 ES_{25}	16.3	X	192.12705	161.00279	337.85032	5.79266	0.2501351	0.23507263	2.6001676	20	9 2.7	20.7
396420 2014 ES_{29}	17.2	X	181.26864	205.85212	20.23982	3.91348	0.1755471	0.25766186	2.4458846	20	12 16.4	21.1
396421 2014 EH_{31}	16.5	X	144.60189	132.78971	44.09135	7.59923	0.0776844	0.22055403	2.7130599	20	9 11.7	20.6
396422 2014 EL_{31}	16.4	X	47.75123	264.74374	20.57075	13.01391	0.2033399	0.21497526	2.7597965	20	10 19.4	20.0
396423 2014 EK_{32}	17.8	X	262.79645	80.64718	152.85260	3.21074	0.1115286	0.29059307	2.2574209	20	—	—
396424 2014 EN_{32}	16.4	X	58.17714	132.46583	74.21319	2.52700	0.0345837	0.19781061	2.9172232	20	6 24.7	20.3
396425 2014 EL_{35}	17.1	X	232.23908	110.01227	70.51310	5.65097	0.1550308	0.26243388	2.4161438	20	12 19.9	19.9
396426 2014 EL_{36}	17.1	X	97.94767	178.13898	124.93483	7.14124	0.1374991	0.25272417	2.4776400	20	—	—
396427 2014 EU_{37}	17.4	X	225.73737	193.89583	17.17044	1.24418	0.1344405	0.26883629	2.3776291	20	—	—
396428 2014 ED_{39}	15.7	X	132.50074	278.71046	176.48482	9.52210	0.0374369	0.18091713	3.0961091	20	5 9.2	20.3
396429 2014 EP_{41}	16.4	X	359.20510	204.62803	113.82033	3.89653	0.0934116	0.21392912	2.7687864	20	9 6.5	19.7
396430 2014 ET_{41}	17.4	X	153.32879	164.13115	74.13634	3.63507	0.0947677	0.24632494	2.5203670	20	12 6.9	21.2
396431 2014 EV_{42}	17.6	X	196.17709	9.91689	130.36197	4.21884	0.2324913	0.23312004	2.6146666	20	9 9.9	21.9
396432 2014 EG_{43}	17.9	X	221.75926	84.56120	149.36693	7.57321	0.0754029	0.28200617	2.3030161	20	—	—
396433 2014 EB_{44}	16.2	X	0.66212	221.81692	41.56759	17.79475	0.2591837	0.18148344	3.0896649	20	6 21.0	19.3
396434 2014 EL_{44}	15.8	X	85.36013	77.53372	30.76829	10.53258	0.0588916	0.17195282	3.2028002	20	4 1.5	20.2
396435 2014 EV_{44}	16.8	X	73.13676	172.72949	79.16277	4.62369	0.1169212	0.21700597	2.7425524	20	9 29.0	20.6
396436 2014 EO_{45}	17.6	X	229.71881	217.97053	17.46775	7.03224	0.3329408	0.26817832	2.3815165	20	—	—
396437 2014 EK_{47}	17.3	X	192.63646	183.22072	30.87088	10.38686	0.1749011	0.25718071	2.4489343	20	12 11.6	21.1
396438 2014 EW_{47}	16.9	X	53.63459	330.62831	33.04113	7.37932	0.0274003	0.26639234	2.3921490	20	—	—
396439 2014 EU_{49}	16.4	X	198.18376	186.70167	315.23520	13.07866	0.2269178	0.23538893	2.5978378	20	9 8.3	20.8
396440 2014 EY_{49}	16.1	X	195.07278	161.21468	25.56028	8.38407	0.1007122	0.23915381	2.5705014	20	11 13.9	19.9
396441 2014 EC_{50}	16.4	X	130.67333	249.30576	349.19643	7.26701	0.1543636	0.23320955	2.6139975	20	11 10.4	20.7
396442 2014 EX_{50}	15.8	X	76.02862	143.90513	77.29070	16.32358	0.0924935	0.20603839	2.8390342	20	8 22.9	20.1
396443 2014 EN_{51}	16.0	X	3.40216	101.76731	141.70153	11.66765	0.2174980	0.17793082	3.1306554	20	6 1.6	19.3
396444 2014 FL_1	17.6	X	291.18070	260.50641	175.70305	4.78455	0.0995630	0.24718008	2.5145507	20	11 2.7	20.3
396445 2014 FM_1	16.2	X	125.00065	86.92654	17.13618	3.81638	0.0822074	0.18382736	3.0633452	20	5 13.3	20.6
396446 2014 FT_2	17.6	X	191.95594	249.26646	0.38626	2.38941	0.1579443	0.26687298	2.3892759	20	—	—
396447 2014 FA_6	17.0	X	207.95307	223.36740	11.11813	22.52843	0.2065481	0.27009131	2.3702581	20	—	—
396448 2014 FE_6	16.6	X	167.41522	280.44435	175.80412	8.74066	0.2477076	0.21217635	2.7840139	20	6 22.6	21.6
396449 2014 FO_8	17.6	X	119.83044	268.17843	47.13134	1.26738	0.2252311	0.26255914	2.4153753	20	—	—
396450 2014 FT_9	16.5	X	265.84381	243.77611	178.20809	11.46733	0.1958153	0.23340932	2.6125057	20	8 13.6	20.1
396451 2014 FB_{10}	16.8	X	210.09321	64.90055	9.81078	2.08559	0.0316161	0.20684834	2.8316182	20	7 14.4	20.7
396452 2014 FL_{14}	16.4	X	348.21871	182.80513	64.33024	6.65635	0.0675145	0.18462593	3.0545056	20	5 10.3	20.4
396453 2014 FU_{14}	16.7	X	141.03951	126.90504	34.10647	9.73433	0.1772663	0.21729533	2.7401171	20	8 22.9	21.3
396454 2014 FE_{15}	17.6	X	232.93479	352.12681	220.61397	3.96607	0.1685293	0.27219746	2.3580156	20	—	—
396455 2014 FY_{15}	17.8	X	219.25889	230.32763	353.79992	1.08562	0.1411578	0.27099486	2.3649866	20	—	—
396456 2014 FF_{16}	16.5	X	351.57884	44.65362	190.19801	0.65872	0.1171418	0.17539407	3.1607691	20	4 26.7	20.3
396457 2014 FS_{17}	16.4	X	343.60961	261.19956	343.43784	5.00987	0.1173054	0.17527996	3.1621408	20	4 24.3	20.3
396458 2014 FL_{18}	17.8	X	305.85469	355.86645	193.46561	5.90790	0.0628186	0.29000810	2.2604555	20	—	—
396459 2014 FR_{19}	15.3	X	12.61465	193.28773	95.55701	17.52154	0.2630746	0.19768912	2.9184183	20	9 13.4	18.6
396460 2014 FW_{19}	16.1	X	349.15791	155.61859	189.68449	7.96129	0.1526684	0.23725486	2.5841991	20	10 4.7	18.6
396461 2014 FT_{20}	17.6	X	216.63646	199.35921	76.50863	4.63044	0.2373314	0.28122110	2.3073003	20	—	—
396462 2014 FZ_{20}	17.2	X	331.98809	345.19792	138.14132	6.31827	0.1094868	0.28078937	2.3096647	20	—	—
396463 2014 FU_{23}	16.9	X	238.68245	130.94501	327.15597	12.26127	0.2011809	0.24015865	2.5633263	20	8 29.3	20.5
396464 2014 FE_{32}	15.9	X	336.80894	260.27709	0.65561	9.44161	0.1827357	0.17582126	3.1556473	20	4 26.7	19.6
396465 2014 FZ_{34}	16.8	X	95.48539	61.09373	178.03390	12.90646	0.0075531	0.22598498	2.6694165	20	9 24.9	20.4
396466 2014 FB_{35}	18.1	X	253.50831	100.33323	57.28651	1.89456	0.1326771	0.26277034	2.4140809	20	12 23.9	20.8
396467 2014 FG_{35}	15.7	X	72.52934	335.41921	168.04263	10.62239	0.0723482	0.17246390	3.1964696	20	5 1.2	20.2
396468 2014 FP_{35}	16.8	X	206.01951	27.33206	115.17196	6.03096	0.1654997	0.23590183	2.5940709	20	9 28.6	20.8
396469 2014 FQ_{35}	16.5	X	160.01185	140.83053	136.17059	7.17366	0.0944408	0.26435329	2.4044342	20	—	—
396470 2014 FV_{35}	16.7	X	93.59454	143.24005	165.02911	11.15165	0.2454235	0.23907138	2.5710922	20	—	—
396471 2014 FA_{36}	16.4	X	167.76956	129.40052	30.30567	13.66505	0.1399979	0.22576987	2.6711118	20	9 16.5	20.8
396472 2014 FF_{36}	17.9	X	236.89533	138.53449	62.03957	3.47589	0.1318809	0.26459129	2.4029922	20	—	—
396473 2014 FH_{36}	17.0	X	178.68892	103.18044	88.39394	3.28366	0.0606504	0.23380931	2.6095253	20	11 6.8	20.8
396474 2014 FJ_{36}	16.9	X	89.31607	99.51960	159.42872	5.58726	0.0735971	0.21973193	2.7198227	20	10 21.3	20.7
396475 2014 FS_{36}	16.6	X	71.06222	267.15421	29.62776	3.75910	0.1079455	0.22598274	2.6694341	20	11 19.6	20.3
396476 2014 FV_{36}	17.1	X	149.93170	54.05889	223.75419	1.93409	0.1470454	0.25117123	2.4878420	20	—	—
396477 2014 FG_{37}	16.6	X	207.12561	320.59713	201.52993	5.18939	0.0797433	0.23482417	2.6020014	20	10 31.1	20.1
396478 2014 FF_{39}	16.3	X	144.73633	82.32650	142.45678	4.77885	0.1197274	0.23579005	2.5948907	20	11 11.1	20.3
396479 2014 FG_{40}	17.5	X	274.61138	67.74504	57.63099	7.03665	0.0629674	0.26157163	2.4214507	20	12 20.6	20.2
396480 2014 FS_{41}	17.1	X	201.13430	115.65605	127.85217	9.02280	0.1593383	0.26375101	2.4080932	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396481 2014 FL_{42}	16.6	X	161.61001	8.55272	90.77683	2.77322	0.0566250	0.19509538	2.9442277	20	6 16.8	20.9
396482 2014 FQ_{42}	15.9	X	11.52666	64.42306	171.01545	16.45641	0.1741853	0.18060790	3.0996421	20	6 5.5	19.7
396483 2014 FE_{47}	17.7	X	300.25697	327.13502	153.39295	4.36112	0.0999346	0.26789667	2.3831855	20	—	—
396484 2014 FH_{47}	17.3	X	209.61170	329.73707	151.98997	6.75399	0.1688745	0.23135948	2.6279142	20	9 2.6	21.3
396485 2014 FK_{47}	16.9	X	222.20371	334.44043	152.60766	6.98852	0.1070730	0.23685093	2.5871363	20	10 2.1	20.5
396486 2014 FT_{47}	17.8	X	340.20367	326.96281	187.91535	7.69301	0.1547626	0.30090411	2.2055520	20	—	—
396487 2014 FA_{48}	16.2	X	173.47676	126.95014	41.58415	15.62903	0.0889547	0.22928164	2.6437671	20	10 5.4	20.3
396488 2014 FJ_{48}	16.3	X	138.01451	179.59585	56.19198	15.76001	0.0939620	0.24388357	2.5371590	20	11 17.8	19.9
396489 2014 FM_{48}	15.5	X	35.06719	224.85969	355.67259	11.20745	0.1289168	0.18443472	3.0566164	20	6 21.4	19.5
396490 2014 FN_{48}	15.7	X	36.91135	105.17001	70.13674	15.56812	0.1771533	0.17350469	3.1836738	20	5 4.3	19.5
396491 2014 FK_{49}	16.7	X	132.00970	173.00937	42.67847	9.89511	0.2775461	0.22380109	2.6867541	20	10 20.7	21.5
396492 2014 FL_{49}	16.9	X	219.23052	129.68859	103.84578	7.23899	0.1081164	0.27133142	2.3630305	20	—	—
396493 2014 FM_{49}	16.2	X	90.21412	220.71940	42.14963	15.50706	0.1618720	0.22283604	2.6945057	20	11 3.8	20.4
396494 2014 FG_{50}	17.4	X	238.95361	200.02067	7.06374	2.23537	0.1625336	0.26995154	2.3710762	20	—	—
396495 2014 FH_{50}	17.7	X	246.92243	130.81569	65.62064	6.25148	0.1966767	0.26851354	2.3795340	20	—	—
396496 2014 FR_{50}	17.6	X	277.07352	26.16805	163.97009	4.62025	0.0606700	0.29123163	2.2541199	20	—	—
396497 2014 FL_{51}	17.8	X	201.28906	120.21961	128.19940	1.91926	0.1459837	0.26899153	2.3767143	20	—	—
396498 2014 FD_{53}	16.3	X	89.18385	305.26803	178.69577	16.46052	0.1985782	0.17927903	3.1149403	20	5 15.8	21.0
396499 2014 FF_{53}	17.3	X	107.65477	81.97694	163.86104	2.79443	0.1612698	0.22706366	2.6609556	20	11 1.1	21.4
396500 2014 FA_{54}	16.8	X	188.29029	4.31602	186.77347	12.76601	0.0736787	0.24274365	2.5450958	20	11 18.7	20.5
396501 2014 FG_{54}	17.3	X	153.40089	115.35705	120.23478	5.18790	0.1436359	0.24169183	2.5524744	20	12 2.1	21.3
396502 2014 FE_{56}	17.7	X	327.04075	24.61283	144.04605	6.56851	0.0970832	0.29562505	2.2317312	20	—	—
396503 2014 FP_{57}	16.8	X	176.04786	37.74644	209.80086	9.18803	0.1963878	0.25382355	2.4704806	20	—	—
396504 2014 GB_{2}	17.9	X	221.60837	250.53137	7.39856	4.06231	0.1446648	0.28855777	2.2680234	20	—	—
396505 2014 GM_{2}	16.4	X	18.46798	46.08543	186.67455	16.38244	0.1611451	0.17899178	3.1182719	20	6 12.7	20.3
396506 2014 GU_{5}	16.1	X	325.65840	307.82942	29.84306	17.10285	0.1179563	0.19850149	2.9104504	20	8 10.8	19.9
396507 2014 GA_{6}	16.3	X	174.62671	317.52524	193.44150	16.51517	0.1319937	0.22386736	2.6862238	20	9 3.3	20.7
396508 2014 GH_{6}	16.1	X	37.22161	25.08770	200.43911	7.16822	0.0708027	0.18429852	3.0581221	20	6 23.9	20.2
396509 2014 GO_{8}	16.6	X	46.91816	81.63562	166.02521	9.26616	0.0653389	0.21309275	2.7760265	20	8 7.2	20.3
396510 2014 GW_{8}	17.5	X	169.37809	302.13076	310.89557	1.44766	0.1808156	0.26259263	2.4151699	20	—	—
396511 2014 GO_{9}	16.4	X	234.50501	107.00173	348.83691	5.66821	0.0761227	0.22813447	2.6526225	20	9 7.4	20.1
396512 2014 GL_{11}	17.6	X	259.11173	152.77568	30.97236	9.91334	0.1291284	0.27180424	2.3602893	20	—	—
396513 2014 GX_{11}	17.7	X	176.91224	160.05344	106.69081	3.69547	0.1966121	0.26307162	2.4122374	20	—	—
396514 2014 GU_{12}	16.3	X	249.03228	255.07979	182.16274	12.83643	0.1597503	0.22772354	2.6558126	20	8 17.0	20.3
396515 2014 GE_{13}	17.0	X	173.54268	183.76748	10.31555	3.86005	0.1573606	0.23729691	2.5838938	20	10 28.5	21.0
396516 2014 GN_{13}	16.9	X	194.90546	267.46209	198.50755	5.57217	0.1285989	0.21402244	2.7679814	20	7 29.3	21.4
396517 2014 GB_{16}	17.3	X	313.84360	2.45631	110.88476	4.95287	0.1705575	0.26682128	2.3895846	20	—	—
396518 2014 GN_{16}	17.1	X	225.34311	352.12303	146.29471	5.10925	0.1864483	0.23960949	2.5672414	20	10 10.8	20.8
396519 2014 GD_{18}	16.4	X	5.11287	263.71404	16.28653	8.88741	0.0672913	0.19108073	2.9853238	20	7 21.8	20.3
396520 2014 GJ_{18}	16.9	X	162.38591	89.28063	112.36484	12.37246	0.1426971	0.23280072	2.6170569	20	11 2.4	21.3
396521 2014 GM_{26}	17.4	X	285.19788	217.70304	311.38653	1.61436	0.1563647	0.27461732	2.3441430	20	—	—
396522 2014 GP_{27}	17.4	X	98.74898	111.55654	169.92011	2.29050	0.1768346	0.22729717	2.6591328	20	12 6.1	21.7
396523 2014 GB_{28}	16.8	X	290.17753	226.36203	213.17727	8.59475	0.1119592	0.23406368	2.6076343	20	10 30.8	19.6
396524 2014 GK_{28}	17.9	X	320.90646	1.49201	188.49100	5.84121	0.1211664	0.29635473	2.2280664	20	—	—
396525 2014 GN_{28}	17.8	X	196.96608	103.93382	143.43206	2.61955	0.1421669	0.26033285	2.4291262	20	—	—
396526 2014 GO_{28}	16.4	X	170.92106	175.30893	36.49690	13.97619	0.1139645	0.23666617	2.5884827	20	11 17.5	20.3
396527 2014 GR_{28}	18.2	X	267.39878	176.36767	73.76310	2.29461	0.1174827	0.29377962	2.2410675	20	1 7.8	21.3
396528 2014 GQ_{30}	16.1	X	179.79129	184.72642	25.36979	13.30254	0.0752393	0.24222083	2.5487567	20	11 27.8	19.9
396529 2014 GU_{30}	17.9	X	225.60214	183.29297	39.82646	2.87997	0.1602750	0.26672197	2.3901777	20	—	—
396530 2014 GS_{31}	17.7	X	239.59268	184.59832	75.96320	4.25017	0.1374476	0.28643631	2.2792082	20	—	—
396531 2014 GM_{36}	15.9	X	58.00980	343.39287	197.45881	15.26447	0.1692025	0.18159943	3.0883492	20	6 10.0	20.2
396532 2014 GZ_{36}	17.9	X	264.35362	122.16583	127.09856	4.91231	0.1294826	0.29823112	2.2187110	20	1 1.6	21.2
396533 2014 GB_{37}	16.2	X	273.94238	261.76805	177.66100	21.65886	0.1051239	0.23731901	2.5837334	20	10 8.1	19.4
396534 2014 GG_{38}	15.7	X	340.13067	100.93099	180.21034	14.09491	0.2432514	0.17514762	3.1637334	20	5 30.8	19.2
396535 2014 GP_{38}	16.8	X	140.77151	99.71159	96.09938	12.64290	0.2201935	0.22437073	2.6822046	20	10 7.8	21.6
396536 2014 GO_{40}	17.9	X	243.24619	195.53822	54.79016	2.40170	0.1887957	0.28523230	2.2856176	20	—	—
396537 2014 GM_{43}	16.7	X	183.97272	304.75408	327.40748	10.11282	0.1659566	0.26638765	2.3921771	20	—	—
396538 2014 GN_{44}	16.3	X	45.43600	306.96527	53.19667	13.51420	0.1316789	0.25069923	2.4909636	20	—	—
396539 6283 $P–L$	17.7	X	119.08833	9.76045	340.93256	2.21561	0.2103162	0.26933686	2.3746823	20	—	—
396540 1986 JJ	17.7	X	193.83032	318.19677	230.33985	18.67085	0.0483431	0.38884606	1.8590208	20	12 28.3	19.7
396541 1994 SU_{7}	16.5	X	347.56127	246.58347	12.61459	13.69414	0.2260877	0.18246560	3.0785678	20	5 10.3	19.8
396542 1994 UR_{5}	16.0	X	291.25967	23.16872	19.68437	9.65323	0.0890384	0.18589500	3.0405880	20	9 9.9	20.0
396543 1996 AD_{11}	17.1	X	175.64760	45.73443	156.33819	3.65886	0.1528320	0.22903484	2.6456660	20	11 10.1	21.2
396544 1996 BJ_{9}	17.0	X	78.65537	3.93665	145.78766	5.81306	0.1400906	0.17206151	3.2014513	20	5 25.7	21.5
396545 1996 JY_{3}	17.7	X	250.03907	89.85453	143.86365	2.77900	0.1633465	0.27498715	2.3420408	20	—	—
396546 1996 VZ_{24}	18.3	X	218.38524	314.91786	50.88984	2.85385	0.1468199	0.31470911	2.1405720	20	4 13.9	21.2
396547 1997 JQ_{2}	17.9	X	236.42092	131.86741	156.98771	6.30186	0.1890473	0.29033039	2.2587823	20	1 22.1	21.4
396548 1997 RJ_{12}	17.9	X	152.08561	148.60984	180.55137	6.02733	0.1087321	0.27684652	2.3315425	20	—	—
396549 1998 MD_{1}	16.9	X	157.46444	231.32846	107.02318	5.14065	0.2010131	0.25268158	2.4779183	20	1 20.0	20.8
396550 1998 QK_{30}	17.0	X	71.31181	116.24004	232.11581	4.11842	0.2789689	0.23627079	2.5913696	20	—	—
396551 1998 QT_{73}	16.0	X	4.10619	172.50048	193.11821	15.61917	0.2831724	0.18243418	3.0789212	20	12 3.1	19.5
396552 1998 RS_{4}	16.5	X	61.19098	211.66130	160.65113	14.51642	0.2715172	0.23577397	2.5950087	20	—	—
396553 1998 SW_{68}	15.1	X	288.83771	129.67734	235.57931	14.59838	0.2646465	0.17305078	3.1892386	20	6 16.9	19.6
396554 1998 VK_{43}	16.4	X	53.67774	302.39194	54.59834	14.42765	0.1814885	0.23062861	2.6334633	20	—	—
396555 1999 FG_{70}	18.7	X	298.36796	332.13372	187.76051	2.49534	0.1444006	0.26913087	2.3758939	20	—	—
396556 1999 TK_{21}	18.0	X	288.52872	311.49652	23.21047	19.63298	0.1156169	0.36702663	1.9319876	20	5 24.1	20.1
396557 1999 TE_{79}	16.3	X	339.59009	281.74320	20.65078	10.37259	0.0769431	0.17973255	3.1096980	20	7 10.5	20.4
396558 1999 TG_{199}	15.7	X	277.65619	126.62437	241.40902	15.12976	0.2359617	0.17751976	3.1354863	20	6 11.1	20.2
396559 1999 TA_{287}	15.9	X	249.56868	162.71215	222.38009	11.21972	0.1537857	0.17634496	3.1493966	20	6 11.9	20.7
396560 1999 TD_{299}	18.0	X	41.32998	190.10205	186.91900	2.26499	0.1375978	0.24558378	2.5254354	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396561 1999 TQ_{306}	16.3	X	318.53895	296.80603	350.21479	20.68439	0.0815025	0.17749137	3.1358206	20	5 7.4	20.9
396562 1999 TQ_{314}	18.4	X	249.18467	338.46284	353.72082	3.32322	0.1287486	0.31424647	2.1426724	20	4 1.5	21.0
396563 1999 UV_{34}	16.6	X	289.84010	134.66162	212.63790	7.64652	0.2130836	0.17769816	3.1333874	20	6 4.2	20.9
396564 1999 VS_{95}	17.6	X	38.90558	120.99091	216.06146	21.51321	0.0725144	0.38179042	1.8818544	20	—	—
396565 1999 VH_{143}	17.9	X	312.77526	136.98780	231.48774	20.33855	0.0803207	0.37215854	1.9141856	20	9 19.5	19.8
396566 1999 VV_{191}	17.5	X	137.54629	8.03569	59.41657	4.46550	0.1085908	0.30905066	2.1666209	20	4 10.0	20.3
396567 1999 YH_{15}	15.2	X	268.65372	129.03538	219.25193	5.15296	0.2257527	0.12523895	3.9564872	20	5 10.5	21.1
396568 2000 AZ_{101}	16.8	X	215.44151	325.39282	113.48723	4.09519	0.3958267	0.22128422	2.7070883	20	6 30.9	21.8
396569 2000 DF_{14}	16.6	X	234.23204	292.69165	160.00630	12.60061	0.1737605	0.21952001	2.7215729	20	8 19.2	20.6
396570 2000 DX_{113}	18.1	X	262.98657	73.80607	142.53911	3.09576	0.1648148	0.28547218	2.2843371	20	—	—
396571 2000 EJ_{36}	17.1	X	267.47906	131.77813	76.31343	6.86802	0.1789954	0.28322650	2.2963961	20	—	—
396572 2000 GV_{130}	18.4	X	308.33702	6.57298	191.45687	3.34587	0.1085088	0.28655016	2.2786045	20	—	—
396573 2000 HF_{2}	17.2	X	219.76989	300.94880	201.51741	13.47126	0.1584749	0.21909181	2.7251179	20	10 7.8	21.4
396574 2000 HK_{89}	17.7	X	211.86720	243.73821	48.20678	3.95087	0.2334163	0.28060240	2.3106906	20	1 7.9	21.6
396575 2000 JO_{7}	16.6	X	66.17633	160.59425	164.72287	13.34108	0.1959531	0.21538567	2.7562896	20	12 27.2	21.1
396576 2000 JW_{42}	15.9	X	23.38688	215.98477	51.06153	17.23388	0.2140970	0.20374641	2.8602856	20	8 29.3	19.5
396577 2000 KH_{38}	17.6	X	191.07430	178.43909	130.92225	3.48167	0.1483197	0.27960779	2.3161670	20	1 8.3	21.1
396578 2000 QG_{102}	17.3	X	128.04388	235.45523	131.86821	7.74309	0.3068091	0.26835833	2.3804514	20	2 5.9	20.8
396579 2000 QC_{169}	17.2	X	105.35263	185.30843	185.43087	4.86194	0.2152602	0.26650161	2.3914951	20	1 1.3	20.0
396580 2000 QO_{230}	17.5	X	94.20414	202.70254	153.74401	5.54920	0.2311392	0.26339911	2.4102375	20	—	—
396581 2000 RL_{36}	16.8	X	44.83218	165.92933	217.67810	10.54356	0.2943307	0.25854440	2.4403154	20	—	—
396582 2000 RM_{78}	16.2	X	23.39891	190.15040	179.65714	13.04126	0.1246589	0.20496664	2.8489222	20	12 20.5	20.2
396583 2000 SS	18.0	X	214.36367	320.37355	1.63214	4.44697	0.1544082	0.27565621	2.3382496	20	2 16.7	21.6
396584 2000 SZ_{13}	17.1	X	153.25386	105.42477	253.80701	8.90412	0.2256380	0.27244817	2.3565688	20	2 6.8	20.9
396585 2000 SG_{72}	17.1	X	172.86462	218.81473	171.90247	10.02916	0.2404212	0.27623350	2.3349907	20	4 7.9	21.1
396586 2000 UO	16.6	X	144.82656	136.41412	225.21996	14.00250	0.2719479	0.26818903	2.3814532	20	2 5.1	20.7
396587 2000 UC_{6}	16.0	X	297.09886	172.77359	216.11080	7.26617	0.2964374	0.19111857	2.9849298	20	7 24.8	19.7
396588 2001 BT_{20}	16.9	X	278.69000	56.27995	58.07751	1.79213	0.1965907	0.24172753	2.5522231	20	11 19.5	19.3
396589 2001 CW_{31}	15.6	X	202.45765	101.44318	104.39188	29.61649	0.3210737	0.23661984	2.5888206	20	12 2.9	20.4
396590 2001 FS_{112}	16.8	X	192.19513	122.93293	52.62358	5.26732	0.1614831	0.23311019	2.6147402	20	10 24.3	20.9
396591 2001 FD_{130}	17.2	X	170.80246	170.51480	14.09225	7.51713	0.2514623	0.22968667	2.6406582	20	10 10.8	21.7
396592 2001 FZ_{141}	17.2	X	177.41125	205.95796	4.74794	3.29742	0.1965564	0.23316599	2.6143231	20	11 18.2	21.4
396593 2001 HC	19.0	X	242.90811	28.18054	32.60284	23.73710	0.4993470	1.20502667	0.8745909	20	—	—
396594 2001 MZ_{1}	16.1	X	152.06027	166.55647	99.53442	14.97220	0.2182134	0.22771661	2.6558665	20	12 31.4	20.6
396595 2001 OL_{35}	17.5	X	170.50413	302.94199	73.86828	7.38624	0.1906945	0.29316049	2.2442217	20	3 18.8	21.1
396596 2001 OP_{89}	15.7	X	134.60466	37.64730	312.67895	32.17202	0.2824170	0.23174628	2.6249893	20	1 26.8	19.9
396597 2001 PQ_{4}	16.3	X	101.91908	57.93149	271.51025	11.37815	0.1650318	0.22336592	2.6902426	20	—	—
396598 2001 PJ_{19}	17.3	X	193.72249	250.52289	63.20452	6.12860	0.1588233	0.28999658	2.2605154	20	1 16.5	20.7
396599 2001 PN_{41}	15.7	X	5.98781	61.26348	275.90612	13.64254	0.0757715	0.20954740	2.8072507	20	10 1.3	19.6
396600 2001 PG_{57}	17.7	X	236.42355	152.40738	160.99706	6.00051	0.1433775	0.29572827	2.2312119	20	2 23.7	20.9
396601 2001 QF_{85}	17.0	X	27.00674	229.63141	123.82657	11.13954	0.2820482	0.21656469	2.7462767	20	12 30.9	20.7
396602 2001 QU_{164}	17.7	X	244.68914	221.88816	88.49552	4.63838	0.1873185	0.29700285	2.2248239	20	2 27.6	21.1
396603 2001 QP_{192}	16.7	X	89.45145	84.75689	274.70950	11.21891	0.2858944	0.22377117	2.6869936	20	—	—
396604 2001 QO_{229}	16.9	X	8.72038	137.60425	194.08210	7.78889	0.2394302	0.21051273	2.7986621	20	10 28.5	19.7
396605 2001 RC_{18}	16.6	X	183.05223	298.99427	24.18914	30.14632	0.3841470	0.23454120	2.6040938	20	2 16.2	22.2
396606 2001 RD_{38}	17.0	X	88.65057	143.25525	167.84438	9.24748	0.2650466	0.22043047	2.7140737	20	—	—
396607 2001 RB_{147}	16.4	X	51.44232	87.58154	252.00778	11.99906	0.2141057	0.21710358	2.7417303	20	12 30.9	20.5
396608 2001 RY_{151}	16.4	X	67.13382	261.17127	127.52307	9.48637	0.2838563	0.22313877	2.6920680	20	—	—
396609 2001 SW_{11}	17.2	X	0.44444	185.01401	180.27513	2.62026	0.1924573	0.21251348	2.7810688	20	11 21.9	20.1
396610 2001 SF_{23}	18.2	X	199.39443	161.34517	178.55648	6.46654	0.1714300	0.29066713	2.2570375	20	2 21.6	21.6
396611 2001 SG_{98}	17.3	X	70.20156	238.82453	201.46955	6.24324	0.0660899	0.28477445	2.2880668	20	1 15.8	19.8
396612 2001 SS_{99}	16.4	X	358.30296	179.49978	184.74175	6.00710	0.0614709	0.21131068	2.7916121	20	11 2.6	19.9
396613 2001 SV_{103}	17.2	X	342.57645	186.30276	187.72918	5.03026	0.1748427	0.20955984	2.8071396	20	10 28.2	19.9
396614 2001 SR_{115}	18.4	X	304.33492	88.31082	203.22429	7.40152	0.3824230	0.30507152	2.1854201	20	3 6.2	21.4
396615 2001 SB_{126}	18.3	X	231.51393	149.71814	176.82772	5.89276	0.2276529	0.29502873	2.2347374	20	3 2.9	21.8
396616 2001 SL_{136}	18.5	X	225.31290	82.14528	231.61496	2.19925	0.2329034	0.29213853	2.2494525	20	2 11.0	22.1
396617 2001 SK_{203}	16.6	X	63.42587	138.27034	172.45043	13.57431	0.1899433	0.21538859	2.7562647	20	12 7.9	21.0
396618 2001 SW_{325}	18.1	X	194.64058	223.55273	136.40520	3.96331	0.2784570	0.29131593	2.2536851	20	3 17.2	22.0
396619 2001 TU_{26}	17.6	X	120.88006	156.64507	226.84999	7.18387	0.1805533	0.28212490	2.3023699	20	1 28.9	20.7
396620 2001 TX_{27}	17.1	X	110.82777	82.91734	278.09560	3.83767	0.2804820	0.22555821	2.6727825	20	1 13.4	20.7
396621 2001 TY_{31}	17.2	X	133.16393	15.36438	2.78719	8.71889	0.2268798	0.28221018	2.3019061	20	2 16.7	20.5
396622 2001 TU_{85}	17.2	X	120.59098	345.26388	344.40534	6.36469	0.1668595	0.27698233	2.3307803	20	—	—
396623 2001 TP_{124}	16.2	X	120.51572	141.53479	237.57401	10.60560	0.1708236	0.22958586	2.6414312	20	1 28.0	20.1
396624 2001 TE_{160}	17.7	X	174.87556	313.18393	30.49326	7.60875	0.1348647	0.28672191	2.2776944	20	2 6.1	21.1
396625 2001 TK_{232}	17.3	X	168.77055	288.91576	76.50805	8.00610	0.1603725	0.28790230	2.2714645	20	3 1.2	20.8
396626 2001 TX_{236}	18.5	X	220.84853	254.04093	86.50585	3.00266	0.2659736	0.29437452	2.2380472	20	3 12.8	22.3
396627 2001 UB_{15}	17.3	X	262.81524	146.53251	225.86397	19.01760	0.1186434	0.35248998	1.9847457	20	6 17.8	19.7
396628 2001 UK_{56}	18.5	X	175.84077	8.62897	0.97550	0.76753	0.2344892	0.28951959	2.2629975	20	3 12.6	22.0
396629 2001 UU_{113}	16.7	X	41.43591	306.84481	36.68160	8.75972	0.2519321	0.21326054	2.7745702	20	12 30.4	20.8
396630 2001 UF_{117}	18.0	X	152.15429	317.32362	50.04778	2.13059	0.2443726	0.28438965	2.2901303	20	2 20.9	21.6
396631 2001 UZ_{190}	17.7	X	34.50012	242.04470	213.72012	4.98292	0.1214078	0.27900023	2.3195283	20	—	—
396632 2001 UZ_{211}	17.6	X	181.61073	107.06260	239.34138	6.39971	0.1453883	0.28621302	2.2803935	20	2 11.0	21.1
396633 2001 UY_{214}	16.4	X	327.99755	334.60730	44.12616	10.71615	0.0874038	0.20455055	2.8527844	20	10 8.3	19.9
396634 2001 VN_{13}	17.4	X	155.43676	334.25538	11.15314	6.58339	0.2696117	0.28243237	2.3006986	20	1 31.1	21.2
396635 2001 VC_{38}	18.0	X	148.31526	27.50983	348.85052	1.68026	0.2148775	0.28408872	2.2917473	20	2 25.3	21.4
396636 2001 VQ_{76}	17.4	X	164.43221	290.70336	246.74296	18.37791	0.0800257	0.36188297	1.9502515	20	10 17.6	20.1
396637 2001 VC_{105}	16.5	X	319.90495	133.80547	244.31919	15.03473	0.2520432	0.20281557	2.8690307	20	8 28.6	19.7
396638 2001 WR_{2}	17.3	X	145.30958	118.98453	229.25178	23.91330	0.2801918	0.28053569	2.3110569	20	1 17.3	21.4
396639 2001 WH_{21}	16.5	X	236.20257	154.73611	241.42003	8.42580	0.0766306	0.19221960	2.9735205	20	6 19.9	20.9
396640 2001 WZ_{64}	16.3	X	209.60239	172.00121	215.94684	12.22879	0.1590810	0.18936980	3.0032782	20	5 7.3	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396641 2001 WK_{87}	17.8	X	139.24726	343.51514	27.25868	5.66411	0.2038071	0.28249136	2.3003784	20	2 10.4	21.1
396642 2001 XF_{31}	17.5	X	264.27001	238.19841	239.65630	18.84543	0.0894395	0.36474872	1.9400229	20	12 23.6	19.1
396643 2001 XS_{104}	16.3	X	99.27504	63.42320	66.45292	19.89504	0.3217084	0.17922231	3.1155975	20	6 12.7	21.4
396644 2001 XQ_{236}	17.6	X	53.73831	18.00361	28.44889	2.64185	0.2068806	0.27163342	2.3612787	20	—	—
396645 2002 AD_{21}	17.7	X	339.94667	270.75372	297.46185	19.36819	0.0635413	0.38558996	1.8694717	20	2 2.6	19.2
396646 2002 AT_{193}	17.0	X	181.67767	236.25233	298.53246	17.61656	0.0588043	0.35391557	1.9794123	20	11 4.2	19.8
396647 2002 BY_{17}	15.9	X	128.35540	16.91265	128.99610	16.84178	0.1796352	0.18125139	3.0923015	20	7 17.0	21.0
396648 2002 CH_{32}	17.9	X	1.92947	24.84350	61.12719	5.54419	0.1840674	0.26411231	2.4058966	20	—	—
396649 2002 CU_{186}	15.8	X	22.22354	292.02196	322.90448	12.01725	0.1726047	0.17955886	3.1117031	20	7 23.7	19.4
396650 2002 EE_{51}	13.4	X	259.04229	280.38091	151.25836	4.02866	0.0894748	0.08147017	5.2699153	20	8 19.9	20.3
396651 2002 EH_{93}	16.8	X	298.91131	12.26533	146.95346	8.36815	0.0618384	0.26094563	2.4253218	20	—	—
396652 2002 GU_{189}	16.4	X	57.95309	347.35381	183.23438	10.81449	0.0321400	0.16818762	3.2504241	20	5 10.2	21.0
396653 2002 HO_{17}	16.5	X	284.05975	130.46112	69.00709	23.63006	0.1070742	0.25954852	2.4340174	20	—	—
396654 2002 JT_{60}	15.7	X	109.20688	136.52751	42.05808	7.20937	0.0672725	0.17341716	3.1847451	20	7 29.2	20.5
396655 2002 JL_{122}	15.4	X	97.77844	111.10697	80.17084	27.19717	0.1965825	0.17673493	3.1447620	20	8 21.9	20.8
396656 2002 MZ_{3}	16.6	X	102.03225	108.33919	233.70954	10.11618	0.3694728	0.23829956	2.5766409	20	—	—
396657 2002 NW_{7}	15.9	X	117.68242	127.69850	203.25842	16.19591	0.2612277	0.24270951	2.5453344	20	—	—
396658 2002 NE_{23}	16.0	X	52.53627	237.17948	126.38048	31.99647	0.2339321	0.23510987	2.5998930	20	—	—
396659 2002 NO_{63}	17.2	X	136.01367	154.14522	103.54136	10.83578	0.1723790	0.23726924	2.5840947	20	12 11.9	21.5
396660 2002 NC_{71}	17.4	X	115.51852	174.59826	146.28708	10.42623	0.1382925	0.24076739	2.5590039	20	—	—
396661 2002 OS_{33}	19.2	X	328.08861	95.88729	187.23496	3.90808	0.2489178	0.32404036	2.0992781	20	4 26.2	20.4
396662 2002 PY_{19}	17.4	X	147.60828	37.43364	248.66849	3.26325	0.2257372	0.24138824	2.5546141	20	—	—
396663 2002 PH_{25}	18.0	X	198.46934	215.91544	166.58292	2.35682	0.1620224	0.31503229	2.1391078	20	4 15.9	21.1
396664 2002 PX_{31}	17.4	X	73.62148	55.97929	282.41868	4.04748	0.2488907	0.23412714	2.6071631	20	—	—
396665 2002 PK_{93}	17.0	X	45.96798	129.26362	222.33505	12.51021	0.2801935	0.22973872	2.6402594	20	—	—
396666 2002 PQ_{116}	16.6	X	31.44397	64.78801	311.80526	10.43259	0.3157383	0.22927186	2.6438423	20	—	—
396667 2002 PS_{121}	17.3	X	172.20510	96.88082	196.27049	6.39074	0.2326596	0.24459894	2.5322097	20	—	—
396668 2002 PZ_{155}	17.3	X	97.38133	352.07442	329.65989	2.58412	0.1721078	0.23685116	2.5871347	20	—	—
396669 2002 QZ_{34}	17.0	X	72.76737	320.94700	10.71479	5.24778	0.1533306	0.23244811	2.6197029	20	—	—
396670 2002 QN_{70}	18.7	X	258.03504	221.64708	103.50464	0.36347	0.1558826	0.31658823	2.1320933	20	3 30.8	21.6
396671 2002 RQ_{1}	16.7	X	30.78521	178.42999	204.59147	12.81902	0.2639664	0.23101041	2.6305608	20	—	—
396672 2002 RW_{50}	17.3	X	122.88490	325.92321	14.84417	7.38641	0.2863993	0.23998368	2.5645721	20	—	—
396673 2002 RR_{84}	17.1	X	62.77294	190.55219	178.31157	7.72308	0.3591565	0.23286002	2.6166126	20	—	—
396674 2002 RM_{98}	16.3	X	78.35401	303.72706	11.24398	12.94462	0.2712769	0.22990835	2.6389605	20	—	—
396675 2002 RH_{176}	19.1	X	280.20120	141.76937	195.54071	4.55005	0.2736948	0.32046457	2.1148653	20	4 27.5	21.8
396676 2002 RF_{184}	15.6	X	103.99645	353.97967	325.63048	16.99315	0.1881772	0.17885387	3.1198747	20	—	—
396677 2002 RQ_{184}	16.2	X	114.61043	116.28061	208.75841	12.86813	0.2281809	0.23742183	2.5829874	20	—	—
396678 2002 RP_{192}	18.4	X	227.78583	205.13297	143.46258	3.44390	0.1213425	0.31354766	2.1458548	20	4 2.7	21.2
396679 2002 RL_{229}	16.8	X	117.55806	290.77788	40.55804	12.14478	0.1875051	0.23789701	2.5795467	20	—	—
396680 2002 ST	16.8	X	85.79916	91.41706	291.41022	26.86213	0.3776568	0.23551407	2.5969174	20	1 20.1	19.7
396681 2002 SK_{5}	18.0	X	94.85445	150.39523	186.32317	4.92192	0.3244432	0.23510480	2.5999304	20	—	—
396682 2002 SW_{62}	16.9	X	38.76108	201.06136	157.92653	7.30682	0.2124361	0.23005919	2.6378069	20	—	—
396683 2002 TJ_{1}	17.1	X	73.32647	301.27888	56.21560	4.37923	0.2815571	0.23369611	2.6103680	20	—	—
396684 2002 TM_{14}	18.2	X	170.45136	312.25955	68.71662	2.96495	0.1741878	0.30645429	2.1788412	20	3 19.8	21.5
396685 2002 TQ_{14}	16.6	X	96.04875	335.76927	7.10636	13.24241	0.2940660	0.23705109	2.5856798	20	—	—
396686 2002 TJ_{51}	17.2	X	59.22059	337.51048	22.95819	5.00473	0.3947075	0.23008009	2.6376471	20	—	—
396687 2002 TJ_{63}	16.6	X	83.13160	305.59452	6.08921	13.42030	0.1718403	0.22879331	2.6475277	20	12 28.2	21.0
396688 2002 TL_{78}	17.2	X	27.86807	215.20540	153.84907	6.28386	0.2728440	0.22653811	2.6650695	20	—	—
396689 2002 TA_{98}	18.3	X	290.78912	192.17962	101.20827	1.80778	0.1193248	0.31455382	2.1412765	20	4 2.5	20.5
396690 2002 TC_{106}	18.2	X	147.64918	192.64674	202.31327	2.83216	0.1467275	0.30499794	2.1857716	20	3 10.2	21.2
396691 2002 TL_{125}	16.5	X	112.68211	81.24860	227.39551	12.68169	0.1936691	0.23431353	2.6057803	20	—	—
396692 2002 TE_{142}	17.5	X	92.62651	299.42590	36.89948	4.65326	0.2619712	0.23490733	2.6013873	20	—	—
396693 2002 TN_{146}	18.1	X	236.95862	86.77439	246.79259	3.01728	0.1571423	0.31152725	2.1551228	20	3 18.1	21.3
396694 2002 TJ_{156}	17.4	X	86.50886	46.08685	277.07098	4.60619	0.2328703	0.23318550	2.6141772	20	—	—
396695 2002 TS_{175}	16.3	X	52.71997	131.83873	238.53647	12.17852	0.2000953	0.23275343	2.6174114	20	—	—
396696 2002 TZ_{220}	16.2	X	42.44387	116.53383	250.01217	11.31075	0.1842021	0.22946463	2.6423614	20	—	—
396697 2002 TM_{235}	15.6	X	147.99787	58.98600	251.77258	12.54512	0.1845462	0.23825317	2.5769753	20	—	—
396698 2002 TR_{254}	16.7	X	4.81677	192.00075	195.68738	13.75653	0.2393918	0.22405730	2.6847054	20	—	—
396699 2002 TG_{262}	16.7	X	326.17531	217.81124	183.90019	8.26746	0.2069634	0.22027068	2.7153861	20	11 7.8	19.1
396700 2002 TY_{271}	16.7	X	102.88664	48.70474	267.70703	3.35639	0.2472131	0.23310283	2.6147952	20	—	—
396701 2002 TV_{297}	15.6	X	264.50848	201.67742	225.25334	9.34851	0.0904118	0.15746829	3.3963099	20	8 24.4	20.6
396702 2002 TJ_{352}	18.0	X	104.06645	17.69852	293.96289	3.83849	0.2309906	0.23504461	2.6003742	20	—	—
396703 2002 TU_{353}	16.7	X	63.01123	136.39183	195.32507	11.51478	0.0569800	0.22954104	2.6417750	20	12 18.7	20.5
396704 2002 TY_{366}	17.4	X	61.64325	179.08544	138.40902	7.00186	0.0390904	0.22357701	2.6885490	20	11 27.2	21.1
396705 2002 TG_{375}	16.8	X	24.65936	182.96540	174.38540	14.82857	0.1795745	0.22328765	2.6908712	20	12 19.9	20.6
396706 2002 UG_{12}	15.4	X	106.96203	55.89467	266.38155	17.50067	0.3493779	0.23370054	2.6103349	20	—	—
396707 2002 UU_{36}	19.7	X	314.91636	211.59150	31.20166	4.03607	0.0301858	0.47403184	1.6290373	20	2 14.9	20.3
396708 2002 UM_{74}	18.6	X	233.08470	275.68672	65.56846	4.69806	0.2465337	0.31089491	2.1580441	20	3 23.8	22.1
396709 2002 VZ_{39}	16.7	X	304.27572	130.59914	282.73325	3.22860	0.3359245	0.21771351	2.7366072	20	9 10.5	18.9
396710 2002 VC_{64}	16.2	X	62.62205	97.35979	249.46038	10.89382	0.2352162	0.22825715	2.6516719	20	—	—
396711 2002 VF_{71}	16.9	X	48.16746	148.50927	215.34595	17.04617	0.2236760	0.22786879	2.6546839	20	—	—
396712 2002 VZ_{86}	15.9	X	207.95841	234.28798	244.02221	9.84511	0.1110804	0.20947026	2.8079399	20	8 25.3	20.4
396713 2002 VK_{98}	17.6	X	191.15454	271.05213	239.25009	19.28326	0.0924166	0.37997710	1.8878367	20	10 14.8	20.0
396714 2002 VZ_{100}	17.0	X	111.90731	128.31563	251.05035	8.71127	0.2109669	0.29368534	2.2415471	20	1 14.9	19.6
396715 2002 VT_{126}	16.8	X	111.59800	281.05543	65.52474	13.54700	0.2854523	0.23537530	2.5979381	20	—	—
396716 2002 VV_{145}	16.7	X	28.96058	166.46297	181.97220	4.66573	0.1224818	0.22088876	2.7103184	20	12 5.3	20.3
396717 2002 VJ_{147}	17.9	X	122.94120	172.55480	244.67320	3.06833	0.1368460	0.30207668	2.1998408	20	3 9.4	20.7
396718 2002 VN_{147}	17.8	X	25.86715	101.00688	267.94510	2.03915	0.2532822	0.22496788	2.6774562	20	—	—
396719 2002 WV_{1}	15.9	X	156.86714	250.74519	232.65448	15.85169	0.0564466	0.20172587	2.8793535	20	7 9.0	20.4
396720 2002 WT_{3}	17.1	X	60.26442	131.08899	219.76783	5.57256	0.2764899	0.22764191	2.6564475	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396721 2002 XG_{50}	17.4	X	173.01622	120.98368	249.02752	6.25245	0.1207497	0.30117550	2.2042269	20	2 29.2	20.7
396722 2002 XV_{117}	16.8	X	246.69665	0.53742	83.06232	8.20864	0.1385412	0.21032004	2.8003713	20	8 30.1	20.9
396723 2003 AE_{23}	18.5	X	169.93258	230.80018	253.49524	2.51587	0.3264099	0.36667788	1.9332124	20	8 3.0	21.8
396724 2003 DT_{24}	16.1	X	64.08624	99.76147	119.46054	12.71492	0.3379897	0.18598158	3.0396442	20	9 3.9	20.7
396725 2003 EZ_{10}	17.0	X	258.58544	304.19335	303.36810	4.67438	0.0891847	0.28339065	2.2955092	20	—	—
396726 2003 FS_{21}	17.0	X	131.13678	144.05737	135.28059	11.99533	0.1414475	0.26446346	2.4037664	20	—	—
396727 2003 FA_{48}	18.0	X	304.95744	312.36350	214.44088	1.65559	0.1578472	0.27535871	2.3399335	20	—	—
396728 2003 HZ_{25}	18.1	X	271.20156	282.34266	265.35253	1.34125	0.1625103	0.27135981	2.3628657	20	—	—
396729 2003 KG_{2}	15.6	X	24.10432	153.15675	102.55861	15.28876	0.0413654	0.17948153	3.1125968	20	7 12.2	19.7
396730 2003 KX_{16}	18.5	X	67.14630	28.27836	94.30705	23.63168	0.5790472	0.63939042	1.3344182	20	6 13.2	18.8
396731 2003 MV_{12}	15.5	X	3.36509	34.31971	294.10258	13.82859	0.2740341	0.17607532	3.1526111	20	9 27.9	19.0
396732 2003 OA_{16}	15.5	X	356.10730	57.93148	285.46428	10.12159	0.2908784	0.17569144	3.1572016	20	10 6.9	18.7
396733 2003 PK_{8}	17.8	X	157.20887	143.62837	174.57184	4.45805	0.2163310	0.26002725	2.4310290	20	—	—
396734 2003 PK_{9}	17.4	X	170.54356	192.94205	167.66248	5.59147	0.2454585	0.26597261	2.3946651	20	2 28.0	21.5
396735 2003 QD_{11}	17.1	X	234.71716	178.79146	142.73117	6.49090	0.2446272	0.27212772	2.3584184	20	3 1.7	21.2
396736 2003 QQ_{57}	16.1	X	292.23952	29.55872	347.37995	14.60849	0.1217310	0.22901513	2.6458178	20	8 9.1	19.4
396737 2003 QZ_{100}	17.9	X	191.06827	339.07316	357.17677	3.50350	0.2663851	0.26626441	2.3929152	20	2 16.3	22.1
396738 2003 RF_{8}	15.0	X	25.89018	40.81631	290.99829	17.50595	0.3088914	0.17767100	3.1337068	20	11 25.6	19.3
396739 2003 RV_{19}	16.2	X	275.67627	41.57668	309.89298	0.72162	0.2558794	0.16281316	3.3215672	20	5 16.8	21.1
396740 2003 SD_{9}	18.2	X	176.80591	108.48893	188.62089	10.59546	0.2682103	0.25831147	2.4417822	20	—	—
396741 2003 SE_{10}	17.2	X	184.77888	110.07862	231.66925	1.50612	0.2252060	0.26419529	2.4053928	20	2 15.7	21.2
396742 2003 SQ_{33}	16.9	X	342.42503	245.58976	167.44311	14.61350	0.1638977	0.23990430	2.5651377	20	12 30.3	19.9
396743 2003 SC_{85}	17.3	X	334.05344	176.81729	220.02517	19.90924	0.0869816	0.35724165	1.9671071	20	12 21.9	19.4
396744 2003 SF_{87}	15.5	X	8.87219	172.64995	155.55947	17.17013	0.2227101	0.17474707	3.1685661	20	10 15.5	19.2
396745 2003 SH_{97}	15.9	X	315.69305	160.56179	246.64099	9.61731	0.0957682	0.17577429	3.1562094	20	10 13.2	20.0
396746 2003 SP_{140}	16.8	X	136.52492	128.96121	252.38406	11.96141	0.0710140	0.25977483	2.4326036	20	1 31.4	20.3
396747 2003 SQ_{219}	16.7	X	18.10963	300.46693	15.12151	6.16959	0.0905059	0.23249360	2.6193611	20	10 4.7	19.8
396748 2003 SJ_{281}	15.7	X	51.55335	61.63573	247.47820	8.27816	0.0821326	0.17847303	3.1243115	20	10 29.0	20.0
396749 2003 SV_{304}	18.2	X	127.62333	78.59581	255.95193	2.68853	0.2953521	0.25378998	2.4706984	20	—	—
396750 2003 SM_{327}	16.2	X	359.79692	124.56817	216.35031	25.24124	0.2556421	0.17470868	3.1690303	20	10 11.9	19.5
396751 2003 SZ_{395}	17.1	X	324.45564	230.32913	180.13945	21.88589	0.0748568	0.23499004	2.6007768	20	11 21.1	20.6
396752 2003 TC_{5}	17.5	X	5.74545	30.38893	359.27058	9.09695	0.1699436	0.23891532	2.5722118	20	—	—
396753 2003 UZ_{31}	17.0	X	3.52387	333.03980	22.40342	15.47718	0.1236852	0.23375632	2.6099196	20	11 6.1	20.2
396754 2003 UJ_{55}	15.0	X	348.58226	97.58778	275.06607	11.71204	0.2880491	0.17292722	3.1907576	20	10 31.2	18.1
396755 2003 UJ_{56}	17.4	X	100.62023	254.41591	120.18398	5.77598	0.2956737	0.25253884	2.4788520	20	1 15.9	20.3
396756 2003 UV_{62}	16.9	X	63.78258	280.88160	68.51090	10.60731	0.2449456	0.24455397	2.5325201	20	—	—
396757 2003 UR_{126}	17.4	X	178.54947	93.09804	252.14407	5.45902	0.2444735	0.26204348	2.4185430	20	2 14.2	21.6
396758 2003 UN_{245}	16.6	X	170.63274	25.11273	62.26688	8.78644	0.1963616	0.21095874	2.7947161	20	6 13.3	21.3
396759 2003 UC_{256}	17.1	X	90.23285	177.35414	243.81787	5.29499	0.0950983	0.25562049	2.4588891	20	1 29.3	20.1
396760 2003 UF_{330}	16.9	X	318.53082	211.72398	221.85058	12.33443	0.1115070	0.23658331	2.5890870	20	12 11.0	19.8
396761 2003 UD_{341}	16.3	X	341.40153	131.17454	238.16881	14.11000	0.1472666	0.17862381	3.1225530	20	10 4.6	20.1
396762 2003 UQ_{352}	17.5	X	41.87014	290.37345	80.77313	4.72736	0.0812315	0.24304094	2.5430199	20	—	—
396763 2003 UB_{375}	17.1	X	293.91433	258.63354	192.16241	21.23475	0.1153770	0.23920190	2.5701569	20	11 24.5	20.3
396764 2003 UG_{375}	17.0	X	138.64849	13.14457	192.54866	15.13414	0.0764510	0.23526257	2.5987679	20	10 10.4	20.7
396765 2003 WN_{36}	17.4	X	298.44605	150.50960	257.07469	5.80912	0.1728362	0.28627042	2.2800886	20	10 1.4	19.3
396766 2003 WD_{68}	17.2	X	348.27094	162.38370	247.47125	3.92703	0.1545622	0.23503486	2.6004461	20	—	—
396767 2003 WV_{94}	16.8	X	329.26878	172.07219	240.19433	9.95230	0.1149115	0.23315302	2.6144199	20	11 29.3	19.4
396768 2003 WF_{104}	17.3	X	64.13169	121.58874	240.75415	10.87299	0.2108068	0.24191847	2.5508800	20	—	—
396769 2003 WW_{134}	16.8	X	332.90864	188.75732	240.30620	10.51032	0.2167779	0.23473777	2.6026398	20	—	—
396770 2003 WY_{141}	16.5	X	285.27244	328.26475	84.15556	10.84975	0.2799578	0.22281173	2.6947016	20	8 20.2	19.8
396771 2003 WP_{148}	16.6	X	170.95491	45.24346	279.88917	7.41503	0.2285502	0.25581505	2.4576422	20	1 16.7	20.6
396772 2003 WT_{162}	16.2	X	258.84523	319.48464	74.04759	12.80295	0.0964716	0.21814074	2.7330329	20	7 13.8	20.0
396773 2003 YB_{17}	16.9	X	225.42350	5.84581	87.38426	8.68330	0.2687966	0.21606292	2.7505269	20	8 4.2	21.5
396774 2003 YH_{24}	16.1	X	277.09772	18.50911	85.36242	15.23652	0.0764683	0.22970895	2.6404874	20	11 18.9	19.4
396775 2003 YU_{119}	16.3	X	329.42304	112.00614	304.11518	12.07887	0.2619945	0.22917834	2.6445615	20	12 13.3	18.5
396776 2003 YA_{147}	16.0	X	86.00795	322.01489	21.41151	13.61110	0.1898890	0.24241497	2.5473958	20	—	—
396777 2004 BZ_{42}	16.3	X	155.13256	17.49872	163.87207	9.68393	0.2086941	0.21184639	2.7869040	20	9 25.3	21.1
396778 2004 BQ_{112}	16.1	X	91.63136	236.95852	114.02290	15.12426	0.2081242	0.23894641	2.5719886	20	—	—
396779 2004 CO_{88}	16.8	X	33.24114	329.83968	59.52079	4.95509	0.2548007	0.23451828	2.6042635	20	—	—
396780 2004 CO_{122}	16.7	X	57.64984	176.01665	142.38850	7.09060	0.0343444	0.21961077	2.7208230	20	11 22.1	20.5
396781 2004 DQ_{57}	16.7	X	264.23220	310.79578	146.64816	12.03057	0.1459480	0.21969799	2.7201028	20	10 10.7	20.3
396782 2004 DZ_{59}	16.8	X	57.53321	87.40040	323.25183	10.96438	0.2823884	0.24212317	2.5494420	20	—	—
396783 2004 EH_{67}	16.7	X	205.89432	62.03729	168.62853	14.56461	0.0425035	0.22615997	2.6680393	20	—	—
396784 2004 EG_{70}	17.5	X	234.11851	319.89970	1.11217	8.72756	0.0931106	0.30619938	2.1800503	20	3 5.9	20.3
396785 2004 FS_{43}	17.8	X	272.27612	256.71586	33.27472	6.51029	0.1822896	0.30236058	2.1984636	20	2 29.4	21.0
396786 2004 FV_{81}	17.9	X	272.78860	244.68728	332.41788	4.43788	0.1253398	0.29438037	2.2380175	20	—	—
396787 2004 FH_{117}	16.7	X	121.82406	343.87375	219.22810	7.34525	0.2221368	0.20604909	2.8389359	20	9 20.9	21.5
396788 2004 GU	16.7	X	165.39693	275.54296	23.35778	26.44128	0.1974690	0.28536899	2.2848877	20	—	—
396789 2004 GH_{60}	17.9	X	352.96279	347.82532	177.81495	5.25040	0.1344209	0.29926495	2.2135983	20	—	—
396790 2004 HD_{3}	17.8	X	254.32918	115.68612	104.29493	3.73143	0.1714106	0.28879954	2.2667574	20	—	—
396791 2004 HP_{29}	16.4	X	50.87195	34.37239	226.63448	10.11162	0.3132557	0.19831551	2.9122697	20	10 3.8	20.6
396792 2004 HF_{53}	17.6	X	317.06588	320.06973	254.92689	6.45276	0.1793816	0.29838104	2.2179678	20	1 9.6	20.4
396793 2004 JN_{2}	20.1	X	16.57728	179.93156	228.34080	19.76180	0.6083852	0.89335496	1.0677101	20	—	—
396794 2004 KT	17.8	X	159.02568	238.46329	267.95840	43.64169	0.6640132	0.39033453	1.8542918	20	7 30.3	23.0
396795 2004 NJ_{8}	16.2	X	227.10360	74.50975	280.37142	22.39885	0.3202963	0.28858658	2.2678725	20	3 19.3	20.9
396796 2004 OA_{1}	17.8	X	231.17261	184.90892	135.66252	6.54435	0.2467337	0.29083472	2.2561703	20	2 25.4	21.5
396797 2004 OC_{8}	17.8	X	170.34753	18.58728	308.92155	5.15382	0.1870724	0.28134938	2.3065989	20	1 14.1	21.2
396798 2004 OA_{9}	17.8	X	215.72014	196.21327	131.34682	3.33623	0.2080108	0.28904929	2.2654516	20	2 22.3	21.3
396799 2004 OG_{12}	17.1	X	188.00720	170.93617	98.16160	7.39759	0.2228105	0.27738585	2.3285193	20	—	—
396800 2004 PC_{6}	17.6	X	202.57464	18.82741	267.99123	6.23471	0.2088342	0.28082134	2.3094894	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396801 2004 PM_{6}	17.4	X	135.05093	209.02745	176.01590	5.98466	0.2711107	0.27963040	2.3160422	20	2 28.6	21.0
396802 2004 PX_{13}	18.2	X	209.80845	186.59828	123.48148	3.63032	0.2500627	0.28439521	2.2901004	20	1 27.4	22.1
396803 2004 PS_{46}	17.2	X	152.77058	182.39390	168.56592	6.35674	0.1846905	0.27875862	2.3208684	20	1 24.9	20.6
396804 2004 PS_{48}	17.8	X	131.29061	344.77914	17.65926	2.40793	0.2414985	0.27670205	2.3323540	20	1 25.9	21.0
396805 2004 PM_{54}	17.9	X	173.92962	23.87740	312.15659	6.99800	0.2064694	0.28069573	2.3101784	20	1 29.1	21.6
396806 2004 PW_{62}	15.7	X	293.12340	217.67921	128.61960	11.25992	0.1429444	0.17874350	3.1211589	20	6 18.8	20.0
396807 2004 PX_{69}	16.9	X	81.40639	224.74826	163.77601	23.80822	0.2630426	0.26901411	2.3765813	20	—	—
396808 2004 PW_{87}	16.4	X	299.67456	262.96158	84.31754	5.79771	0.1788767	0.17908435	3.1171973	20	6 23.3	20.3
396809 2004 PV_{89}	17.6	X	164.35606	11.63843	340.86558	6.27690	0.2600794	0.27917980	2.3185336	20	2 14.4	21.3
396810 2004 PS_{100}	17.8	X	230.02290	44.23367	315.82069	7.38539	0.3275185	0.29127081	2.2539178	20	4 5.1	22.0
396811 2004 PJ_{102}	17.8	X	137.84662	192.69318	185.10421	5.72479	0.2124414	0.27876917	2.3208098	20	2 15.4	21.2
396812 2004 PT_{102}	16.1	X	314.20415	167.11396	176.95492	18.52423	0.2548240	0.17879675	3.1205391	20	6 30.7	20.0
396813 2004 PS_{112}	15.3	X	278.53629	244.26643	140.36127	27.69063	0.2128053	0.17875489	3.1210262	20	7 8.8	20.0
396814 2004 QX_{11}	17.3	X	95.58597	311.81391	83.94253	8.02241	0.2084736	0.27380199	2.3487943	20	1 19.8	19.8
396815 2004 QG_{24}	16.1	X	147.90539	135.17342	247.21802	22.53519	0.3060405	0.27756113	2.3275389	20	2 29.6	20.6
396816 2004 QU_{28}	14.0	X	336.37205	256.32593	126.39909	8.40202	0.1773298	0.08320632	5.1963513	20	9 28.8	20.0
396817 2004 RZ_{2}	16.2	X	356.86569	192.39557	260.14058	23.26112	0.2350043	0.26217060	2.4177612	20	—	—
396818 2004 RJ_{3}	18.0	X	294.33887	194.85206	220.16391	19.87822	0.1620892	0.37251893	1.9129509	20	11 11.3	18.4
396819 2004 RH_{50}	16.7	X	308.36416	321.09799	17.85249	2.18593	0.2733505	0.17759679	3.1345796	20	6 10.5	20.3
396820 2004 RS_{50}	16.5	X	280.25406	271.90579	91.90316	2.83054	0.2278293	0.17509013	3.1644260	20	6 10.5	20.8
396821 2004 RP_{51}	17.2	X	136.74620	176.43038	156.71602	7.27665	0.1413811	0.27222453	2.3578593	20	—	—
396822 2004 RH_{56}	17.1	X	79.58774	352.45636	23.98731	6.43198	0.2493416	0.26710460	2.3878945	20	—	—
396823 2004 RJ_{58}	16.1	X	334.68511	158.48178	167.17774	16.68600	0.2242148	0.17987971	3.1080018	20	7 21.1	19.5
396824 2004 RR_{87}	16.9	X	322.51055	158.22865	159.62148	1.26770	0.1767192	0.17805427	3.1292082	20	6 21.9	20.4
396825 2004 RD_{91}	16.3	X	318.77462	115.21242	235.15770	8.38262	0.2396227	0.18152967	3.0891403	20	7 19.8	19.8
396826 2004 RN_{93}	17.8	X	207.65223	102.91885	220.55350	5.49850	0.1798591	0.28464417	2.2887649	20	2 8.2	21.6
396827 2004 RA_{112}	15.5	X	255.91492	139.07517	246.83327	14.62551	0.1009094	0.17476574	3.1683405	20	6 25.6	20.2
396828 2004 RE_{119}	16.9	X	327.27140	183.77868	140.93368	1.64789	0.1458373	0.17937508	3.1138281	20	7 13.5	20.4
396829 2004 RY_{143}	16.4	X	327.91859	196.78505	159.54001	7.67802	0.2956433	0.18078402	3.0976287	20	8 13.4	19.1
396830 2004 RV_{146}	16.5	X	325.53175	148.25785	189.68924	6.32167	0.1648833	0.17981915	3.1086996	20	7 25.4	20.1
396831 2004 RJ_{154}	17.5	X	196.97682	90.75695	251.80569	4.96307	0.2369427	0.28415813	2.2913740	20	2 23.2	21.4
396832 2004 RS_{154}	16.2	X	319.17719	196.62475	204.06178	8.23900	0.1081943	0.18834291	3.0141847	20	10 15.1	19.8
396833 2004 RG_{155}	18.1	X	76.08546	152.76858	243.97454	1.80170	0.1934902	0.26985393	2.3716479	20	—	—
396834 2004 RA_{158}	17.4	X	176.57373	11.25961	259.21057	4.03989	0.0892248	0.26956224	2.3733585	20	—	—
396835 2004 RO_{161}	16.4	X	349.54297	25.25029	333.74833	10.63544	0.1067892	0.19007791	2.9958147	20	10 5.7	20.2
396836 2004 RS_{163}	17.6	X	102.77621	187.26141	193.91880	5.78221	0.2423255	0.27050474	2.3678424	20	1 14.6	20.3
396837 2004 RN_{168}	16.3	X	277.67875	186.67290	189.93162	10.78369	0.2189067	0.17747886	3.1359681	20	6 24.4	20.9
396838 2004 RG_{183}	17.8	X	189.07412	70.07854	270.29807	1.22955	0.2470206	0.28226407	2.3016131	20	2 16.7	21.7
396839 2004 RV_{186}	17.6	X	165.82387	31.28853	305.54502	5.99366	0.1748979	0.27719922	2.3295643	20	1 20.8	21.1
396840 2004 RP_{197}	16.0	X	297.88947	146.85326	206.46307	4.67724	0.1745070	0.17546171	3.1599567	20	6 28.8	20.2
396841 2004 RV_{198}	15.7	X	313.26901	161.40841	178.85959	18.55279	0.1376128	0.17787106	3.1313565	20	7 9.8	20.0
396842 2004 RE_{205}	16.5	X	313.10224	128.54342	232.24378	12.39119	0.3566249	0.18172673	3.0869067	20	7 3.1	19.9
396843 2004 RL_{214}	15.3	X	317.90875	89.38824	252.98464	10.97625	0.1591953	0.17815776	3.1279962	20	7 17.2	19.2
396844 2004 RA_{229}	16.4	X	358.64367	300.62418	358.71397	4.57181	0.2344136	0.17855843	3.1233152	20	8 12.2	19.3
396845 2004 RW_{235}	17.6	X	225.00011	17.00984	282.63421	4.61529	0.2113578	0.28326339	2.2961967	20	1 26.1	21.4
396846 2004 RN_{239}	17.9	X	18.01263	140.77987	301.16631	1.07002	0.0612121	0.26824601	2.3811159	20	—	—
396847 2004 RG_{252}	17.3	X	156.36027	245.19206	216.21666	19.87448	0.1002722	0.35717448	1.9673537	20	6 16.6	20.1
396848 2004 RH_{267}	18.1	X	115.46228	192.88607	182.82645	5.85722	0.1247097	0.27431610	2.3458587	20	1 5.9	21.0
396849 2004 RP_{284}	16.2	X	324.81054	243.50436	118.16923	1.02948	0.3593437	0.18174554	3.0866937	20	8 4.4	18.6
396850 2004 RF_{303}	16.3	X	70.10921	272.86283	288.85695	8.11337	0.0288766	0.17431586	3.1737894	20	7 2.7	20.6
396851 2004 RO_{336}	17.8	X	77.71446	216.05819	241.06251	2.53153	0.1269637	0.27668245	2.3324641	20	3 2.0	20.1
396852 2004 RO_{339}	17.6	X	26.98113	98.63709	241.88219	17.01645	0.1156504	0.37836327	1.8932010	20	12 29.7	19.8
396853 2004 SG	17.7	X	157.70094	123.98574	226.42398	23.30739	0.3049225	0.27774348	2.3265200	20	1 31.6	22.2
396854 2004 SR_{9}	16.3	X	332.46122	128.52948	207.66688	13.47662	0.2614238	0.17921143	3.1157235	20	7 25.5	19.6
396855 2004 SW_{15}	18.1	X	198.08212	189.86250	128.91797	5.46391	0.2527610	0.28149233	2.3058179	20	1 29.3	22.1
396856 2004 SM_{22}	15.4	X	285.66556	330.99719	21.02240	15.20109	0.1449894	0.17155120	3.2077969	20	6 12.4	20.0
396857 2004 SM_{56}	16.6	X	346.79876	118.22884	188.86550	16.27049	0.2275474	0.18005871	3.1059416	20	7 20.7	20.0
396858 2004 TC_{1}	17.6	X	225.57914	221.13070	93.22357	7.03765	0.2677309	0.28496280	2.2870585	20	2 14.8	21.6
396859 2004 TG_{5}	16.5	X	11.68612	122.87881	214.83617	9.85148	0.2416876	0.18432669	3.0578105	20	11 3.4	19.9
396860 2004 TH_{11}	17.2	X	45.07958	39.78623	237.34843	19.29639	0.0275401	0.36805052	1.9284028	20	9 27.8	19.6
396861 2004 TT_{16}	16.9	X	81.30360	8.09235	13.01596	14.73243	0.1946467	0.26407055	2.4061502	20	—	—
396862 2004 TG_{17}	16.8	X	170.44927	120.55851	244.74418	7.56631	0.2334589	0.21628446	2.7486483	20	3 4.3	21.6
396863 2004 TR_{20}	18.0	X	62.07289	189.44807	220.29027	3.58517	0.1947238	0.26591687	2.3949997	20	—	—
396864 2004 TO_{25}	16.5	X	324.78571	90.50264	199.51360	12.44592	0.1166270	0.17072015	3.2181987	20	5 27.3	20.7
396865 2004 TU_{31}	17.5	X	177.05092	77.06110	216.18493	9.76946	0.2420301	0.27225461	2.3576856	20	—	—
396866 2004 TN_{32}	16.3	X	320.33501	158.72097	223.24290	8.71349	0.0565306	0.18180814	3.0859852	20	9 21.2	20.4
396867 2004 TM_{36}	18.0	X	118.43460	160.09341	198.74346	6.64947	0.1413338	0.26992361	2.3712397	20	—	—
396868 2004 TA_{44}	18.3	X	95.17732	49.24499	344.46167	1.85108	0.2265836	0.26961491	2.3730494	20	1 19.6	20.8
396869 2004 TX_{45}	17.7	X	158.31409	289.29136	23.77062	6.89117	0.1454245	0.26931703	2.3747989	20	—	—
396870 2004 TL_{61}	17.0	X	185.94142	306.17067	23.38641	7.43036	0.1510077	0.27906612	2.3191632	20	1 31.6	20.7
396871 2004 TQ_{61}	15.6	X	12.37015	293.97722	19.85511	8.98546	0.1271513	0.18345236	3.0675184	20	9 20.6	19.3
396872 2004 TT_{67}	17.7	X	209.78527	190.85240	138.31228	6.82910	0.2594982	0.28307154	2.2972340	20	2 19.8	21.8
396873 2004 TK_{78}	15.4	X	319.83230	76.00143	264.06661	14.45696	0.2434666	0.17694105	3.1423193	20	7 6.9	18.9
396874 2004 TZ_{98}	17.7	X	131.52414	316.84566	50.21498	3.15524	0.1887833	0.27339260	2.3511385	20	1 26.1	20.8
396875 2004 TM_{108}	17.0	X	133.46432	282.62264	85.79941	6.48670	0.1421861	0.27401722	2.3475642	20	1 23.9	20.0
396876 2004 TD_{118}	17.1	X	46.00306	222.77748	169.81177	10.02583	0.1269492	0.26217262	2.4177487	20	—	—
396877 2004 TD_{119}	17.2	X	129.56981	306.29171	72.59054	8.69064	0.2420863	0.27584633	2.3371750	20	2 17.1	20.7
396878 2004 TE_{143}	17.4	X	206.06767	29.11512	275.92953	2.48498	0.1787497	0.27701338	2.3306061	20	1 17.9	21.1
396879 2004 TP_{146}	17.3	X	242.64729	138.43108	221.00365	7.04249	0.1397569	0.29200915	2.2501169	20	5 2.2	20.2
396880 2004 TY_{154}	16.6	X	283.74974	299.96638	50.88958	1.58000	0.1892093	0.17204757	3.2016241	20	6 3.8	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396881 2004 TW_{158}	17.9	X	28.35770	94.78676	326.25132	1.25090	0.1353715	0.26093485	2.4253886	20	—	—
396882 2004 TR_{192}	17.0	X	106.21767	266.41915	24.06765	9.28130	0.1352536	0.25815088	2.4427947	20	12 27.2	20.9
396883 2004 TN_{262}	16.2	X	308.24651	278.76687	78.49041	10.71831	0.2360174	0.17813266	3.1282900	20	7 12.5	19.9
396884 2004 TW_{264}	17.1	X	16.13988	224.23417	219.48373	5.65357	0.0961288	0.26259571	2.4151510	20	—	—
396885 2004 TL_{276}	17.9	X	189.14529	272.25179	52.49932	2.58920	0.1992756	0.27626818	2.3347953	20	1 29.1	21.7
396886 2004 TR_{307}	15.1	X	294.34721	114.56974	237.32240	12.38385	0.0880793	0.17221049	3.1996046	20	7 3.0	19.5
396887 2004 TV_{310}	17.2	X	73.38636	123.99283	254.11388	4.05959	0.2319745	0.26374317	2.4081410	20	—	—
396888 2004 VZ_{17}	15.5	X	285.41354	138.04160	226.66821	21.89717	0.0943508	0.17076036	3.2176935	20	7 3.5	20.3
396889 2004 VK_{41}	15.6	X	14.77668	89.45007	226.07338	21.17235	0.0277232	0.17643910	3.1482762	20	9 6.0	20.4
396890 2004 VT_{63}	15.3	X	293.54931	297.78403	62.92521	27.50062	0.2650927	0.17226201	3.1989666	20	6 14.3	19.7
396891 2004 VF_{79}	18.1	X	355.45279	298.01376	46.94075	22.49334	0.0618589	0.36953058	1.9232502	20	11 8.6	19.3
396892 2004 WR_{8}	17.2	X	236.66619	335.87898	56.18594	22.93271	0.0957856	0.35431022	1.9779422	20	6 12.2	19.6
396893 2004 XL_{16}	17.7	X	358.24805	112.80687	274.50547	18.87537	0.1025777	0.37310237	1.9109561	20	—	—
396894 2004 XQ_{30}	17.8	X	303.42755	345.58798	93.68795	24.02402	0.1179046	0.37368075	1.9089837	20	—	—
396895 2004 XJ_{33}	16.7	X	271.72932	21.74577	76.45802	15.81891	0.0688826	0.24265013	2.5457497	20	11 8.7	19.9
396896 2004 XO_{56}	17.1	X	200.70272	227.43235	319.06204	3.70903	0.1294422	0.24127471	2.5554155	20	11 17.6	20.8
396897 2004 XJ_{77}	15.5	X	19.44886	93.90470	261.53755	8.73292	0.1003219	0.18137786	3.0908637	20	11 16.7	19.7
396898 2004 XK_{82}	17.7	X	66.02571	7.41873	23.83907	6.72543	0.2447980	0.26261816	2.4150134	20	—	—
396899 2004 XV_{91}	18.3	X	212.27560	52.80268	286.00529	1.71492	0.2211662	0.27891291	2.3200124	20	3 3.6	22.1
396900 2004 XH_{159}	18.3	X	94.11043	207.46550	176.50372	0.87953	0.1825217	0.26274249	2.4142515	20	—	—
396901 2004 XV_{161}	15.2	X	319.27569	289.79940	86.01546	27.57604	0.2223628	0.17410876	3.1763058	20	9 13.8	19.3
396902 2004 YE_{10}	17.5	X	337.66811	215.61818	250.05734	7.92269	0.1713163	0.25576425	2.4579676	20	—	—
396903 2004 YD_{21}	17.3	X	298.94661	323.72724	121.04465	2.92568	0.1508166	0.24085409	2.5583897	20	11 21.7	19.8
396904 2004 YR_{21}	17.4	X	187.71612	236.69087	117.45484	7.57776	0.1459710	0.26933081	2.3747179	20	3 4.6	21.1
396905 2005 AG_{27}	17.2	X	218.55327	88.10613	289.92046	22.05374	0.2446773	0.28381639	2.2932130	20	4 16.6	21.7
396906 2005 AT_{49}	17.1	X	245.55774	247.66420	246.73763	3.40176	0.1864020	0.23771106	2.5808918	20	10 26.5	20.6
396907 2005 AJ_{51}	17.6	X	233.81745	236.90840	247.02925	4.98435	0.3094575	0.23478497	2.6022909	20	9 12.1	21.8
396908 2005 AO_{82}	17.5	X	231.88832	41.67356	109.08211	5.67011	0.1643438	0.23724497	2.5842709	20	11 5.9	21.2
396909 2005 BO_{10}	17.5	X	313.39413	160.28088	277.83965	3.30682	0.2334302	0.24366637	2.5386665	20	12 11.1	19.2
396910 2005 BV_{13}	16.8	X	221.05917	359.19435	137.85184	8.74790	0.1446003	0.23262749	2.6183560	20	10 9.9	20.7
396911 2005 BH_{20}	17.8	X	201.56376	21.97231	117.97351	4.09054	0.1914354	0.23017520	2.6369205	20	9 17.2	22.1
396912 2005 CX_{41}	17.3	X	229.26602	47.80249	97.80285	4.65394	0.2016464	0.23476374	2.6024479	20	10 21.9	21.0
396913 2005 ED_{36}	16.5	X	183.71699	219.30825	322.24568	14.06635	0.1291135	0.22917881	2.6445579	20	10 16.9	21.0
396914 2005 EG_{43}	16.9	X	179.32551	196.58178	356.11940	6.12156	0.1646714	0.22978872	2.6398763	20	10 29.5	21.1
396915 2005 EK_{60}	16.9	X	171.12874	6.85140	191.45163	6.16824	0.1751992	0.22864595	2.6486650	20	10 31.1	21.1
396916 2005 ES_{64}	17.3	X	260.31215	268.21522	202.90722	4.70609	0.2050537	0.23435877	2.6054450	20	10 12.6	20.5
396917 2005 EA_{81}	17.0	X	247.65911	326.49252	163.53696	13.99539	0.1970648	0.23405675	2.6076858	20	10 25.7	20.6
396918 2005 EF_{95}	17.3	X	218.73612	26.08529	126.97151	7.54039	0.2570791	0.23172073	2.6251823	20	10 15.2	21.6
396919 2005 EJ_{108}	16.3	X	158.57056	251.34141	317.93035	11.61661	0.2105559	0.22817130	2.6523370	20	10 26.4	21.1
396920 2005 EZ_{118}	16.3	X	175.10433	316.95430	195.34148	12.98123	0.1922407	0.22281464	2.6946782	20	9 3.9	21.0
396921 2005 EG_{141}	16.2	X	171.81915	256.26361	307.85654	14.07964	0.1313229	0.23196837	2.6233136	20	11 4.1	20.6
396922 2005 EG_{157}	17.0	X	244.83741	324.12463	173.71083	12.59470	0.1099884	0.23287045	2.6165345	20	11 13.2	20.6
396923 2005 EU_{196}	16.7	X	263.31998	274.89198	185.06574	28.10799	0.3304956	0.23439988	2.6051403	20	9 10.3	20.3
396924 2005 ED_{245}	16.9	X	119.19031	91.75042	188.06877	16.25583	0.3295502	0.22455422	2.6807433	20	12 23.3	22.2
396925 2005 EY_{256}	17.5	X	152.44393	354.87779	238.54925	1.18551	0.0567441	0.23010001	2.6374948	20	11 28.2	21.1
396926 2005 EE_{269}	16.8	X	243.91853	40.27267	85.38520	9.33720	0.2266624	0.23207995	2.6224726	20	10 12.1	20.6
396927 2005 EH_{283}	16.9	X	252.44074	4.21697	113.08582	6.31109	0.2531132	0.23505179	2.6003212	20	10 6.5	20.5
396928 2005 EE_{311}	17.1	X	167.62073	102.06336	153.01563	13.34143	0.1440693	0.23896667	2.5718433	20	—	—
396929 2005 FQ_{7}	16.7	X	168.14090	15.13757	156.94646	14.37493	0.1798794	0.22324801	2.6911898	20	9 27.5	21.2
396930 2005 GW_{29}	16.4	X	172.19393	233.12498	25.79529	13.98866	0.1564713	0.23542652	2.5975612	20	—	—
396931 2005 GX_{33}	17.2	X	213.91948	38.92065	118.47542	3.24264	0.1389412	0.22963811	2.6410305	20	10 26.0	21.1
396932 2005 GM_{65}	16.6	X	97.29684	287.18158	19.69971	12.39752	0.3026899	0.22576417	2.6711567	20	—	—
396933 2005 GU_{95}	16.8	X	148.30129	189.18314	34.98914	14.57384	0.0514405	0.22501868	2.6770532	20	11 9.4	20.6
396934 2005 GK_{124}	17.0	X	221.33737	155.31969	343.79984	7.95138	0.0988354	0.22962435	2.6411359	20	10 11.8	20.8
396935 2005 GN_{128}	16.6	X	146.30553	83.26182	154.03313	13.12479	0.2266729	0.22696753	2.6617069	20	11 26.4	21.5
396936 2005 GB_{139}	16.8	X	210.17910	9.14659	221.04722	13.98104	0.2079357	0.23550528	2.5969821	20	—	—
396937 2005 GN_{167}	16.7	X	61.44076	255.80110	40.82925	6.02525	0.0429073	0.21925610	2.7237564	20	10 29.6	20.2
396938 2005 GE_{172}	17.3	X	128.10885	158.74770	74.66219	3.04352	0.1608118	0.22266333	2.6958988	20	11 3.8	21.7
396939 2005 JW_{23}	17.6	X	149.02449	77.81009	207.30556	4.14118	0.1695474	0.23130742	2.6283085	20	—	—
396940 2005 JB_{25}	16.7	X	114.30182	324.32706	219.06132	8.13205	0.0503250	0.20976531	2.8053062	20	8 6.0	20.9
396941 2005 JF_{25}	17.4	X	35.20794	103.69495	209.93011	4.41192	0.1586745	0.21541261	2.7560598	20	11 2.9	20.9
396942 2005 JQ_{67}	16.4	X	172.27684	184.49262	43.52043	14.64815	0.1327977	0.22765542	2.6563424	20	12 5.7	20.7
396943 2005 JD_{73}	17.0	X	19.63174	295.42805	69.32787	7.33161	0.0421798	0.22416639	2.6838344	20	12 2.3	20.5
396944 2005 JF_{86}	16.8	X	197.25728	23.45365	222.68467	14.75188	0.1260134	0.23463380	2.6034086	20	—	—
396945 2005 JS_{90}	17.2	X	59.96657	228.97020	55.52666	8.60344	0.1976851	0.21498645	2.7597008	20	11 2.9	21.2
396946 2005 JF_{118}	16.1	X	130.70613	212.24393	80.07966	15.65556	0.1239362	0.22838489	2.6506831	20	—	—
396947 2005 JK_{145}	16.5	X	91.81197	218.13775	66.38248	14.48328	0.1050488	0.22030329	2.7151181	20	11 26.4	20.6
396948 2005 JQ_{176}	18.5	X	85.95151	196.62336	111.02271	13.88401	0.4174315	0.21709187	2.7418288	20	—	—
396949 2005 JN_{178}	16.3	X	109.28324	91.90154	218.60646	15.13114	0.2581132	0.22721545	2.6597704	20	—	—
396950 2005 JC_{185}	17.2	X	93.47785	134.53956	149.91114	9.22877	0.1264542	0.21970130	2.7200755	20	12 1.3	21.5
396951 2005 LA_{26}	16.6	X	31.28089	189.24320	138.47728	9.32022	0.1656260	0.21436033	2.7650720	20	11 19.1	20.3
396952 2005 LC_{26}	16.5	X	114.66272	116.77520	132.78684	9.97167	0.0440403	0.21867355	2.7285917	20	11 6.9	20.6
396953 2005 LX_{27}	16.6	X	58.56614	222.15987	83.35833	14.42115	0.1387444	0.21796830	2.7344742	20	11 21.7	20.5
396954 2005 LO_{29}	18.0	X	332.36198	38.91274	249.88274	2.82012	0.1472396	0.32940590	2.0764197	20	6 4.0	19.1
396955 2005 LV_{29}	16.1	X	55.98003	108.64867	240.01771	13.54725	0.1447595	0.22419874	2.6835762	20	—	—
396956 2005 NT_{9}	16.3	X	346.08948	348.69424	295.09676	10.77680	0.0533420	0.19188774	2.9769478	20	6 25.6	20.2
396957 2005 QQ	17.8	X	161.41856	209.06028	158.81885	6.30917	0.1866467	0.30240662	2.1982404	20	2 22.4	20.9
396958 2005 QA_{24}	17.0	X	324.69056	204.23945	141.22611	3.82052	0.1070157	0.19202268	2.9755531	20	8 11.4	20.4
396959 2005 QW_{24}	18.0	X	196.45807	212.31375	151.92486	5.36994	0.1782400	0.30549828	2.1833844	20	3 22.3	21.3
396960 2005 QG_{89}	16.3	X	58.88467	215.19331	157.68623	9.48862	0.3169552	0.21285782	2.7780687	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
396961 2005 QF_{111}	16.4	X	251.44497	7.50530	348.20014	8.05896	0.0997538	0.18094403	3.0958023	20	5 11.9	21.0
396962 2005 QJ_{136}	16.5	X	299.30664	329.73242	44.56497	2.52479	0.1247041	0.19167371	2.9791636	20	8 8.4	20.3
396963 2005 QO_{157}	17.6	X	211.32609	17.38585	290.34201	2.06516	0.2070514	0.30202053	2.2001134	20	1 23.4	21.0
396964 2005 QJ_{159}	17.5	X	142.19251	341.95370	69.42689	5.60309	0.1063770	0.30469756	2.1872079	20	3 25.8	20.3
396965 2005 RV_{31}	17.0	X	352.77936	144.66612	173.44411	3.03579	0.0819906	0.19420495	2.9532203	20	8 20.8	20.5
396966 2005 RX_{46}	16.7	X	338.91136	265.06224	80.39144	10.30032	0.1441824	0.19211485	2.9746013	20	9 10.3	20.2
396967 2005 RZ_{51}	19.1	X	290.10590	29.20526	274.61753	2.08885	0.3432801	0.31789902	2.1262285	20	3 12.9	22.0
396968 2005 SB_{20}	17.7	X	212.52411	284.63451	48.57200	6.34677	0.1750971	0.30263800	2.1971198	20	2 28.4	21.2
396969 2005 SB_{34}	16.4	X	296.67037	279.29044	92.72857	3.77142	0.1213636	0.18801006	3.0177412	20	8 1.0	20.1
396970 2005 SE_{54}	17.5	X	60.97441	77.44764	19.09978	4.94517	0.0601178	0.29370108	2.2414670	20	1 25.3	19.8
396971 2005 SM_{54}	16.1	X	257.50858	355.81649	20.54043	5.59852	0.1946019	0.18173213	3.0868456	20	6 3.9	20.8
396972 2005 SC_{55}	16.0	X	243.93681	336.32465	24.03714	11.86685	0.0969879	0.17669858	3.1451933	20	5 9.9	20.8
396973 2005 SF_{59}	16.6	X	311.43267	76.83877	268.34018	0.64940	0.0984204	0.18682717	3.0304656	20	7 20.8	20.2
396974 2005 ST_{77}	16.8	X	234.84253	251.79878	153.09098	1.76165	0.1474811	0.18232479	3.0801526	20	6 21.9	21.4
396975 2005 SB_{89}	17.9	X	100.72821	201.04447	218.16440	1.59700	0.1682445	0.29320850	2.2439767	20	2 17.8	20.3
396976 2005 SX_{97}	16.0	X	277.56094	152.47971	223.98759	12.08617	0.0489359	0.18551246	3.0447665	20	7 17.2	20.5
396977 2005 SK_{100}	15.9	X	239.15189	160.53884	226.08773	6.69645	0.1677475	0.17947384	3.1126857	20	6 1.9	20.7
396978 2005 SV_{103}	15.7	X	326.35323	102.77848	237.70454	9.76081	0.0992138	0.18756768	3.0224842	20	8 3.5	19.6
396979 2005 SF_{111}	16.3	X	15.33468	284.54868	15.28608	13.72936	0.1011962	0.19210432	2.9747099	20	9 8.2	20.1
396980 2005 SC_{113}	16.1	X	311.52435	19.49900	324.10446	9.08965	0.1566129	0.18808321	3.0169587	20	7 13.0	19.7
396981 2005 SG_{119}	16.4	X	63.84124	304.27963	42.92728	9.15698	0.2647660	0.21068383	2.7971468	20	—	—
396982 2005 SR_{129}	16.6	X	26.55474	119.31559	201.64765	18.94037	0.1636178	0.19787758	2.9165650	20	10 28.7	20.2
396983 2005 SK_{130}	16.5	X	249.96328	322.52921	61.43082	1.33918	0.2061719	0.18184899	3.0855230	20	6 5.1	21.3
396984 2005 SX_{130}	19.2	X	273.89727	294.63778	15.47713	1.68056	0.2159796	0.31109796	2.1571050	20	3 21.5	22.3
396985 2005 SX_{135}	16.8	X	352.05940	252.62950	58.19735	1.54839	0.1026917	0.19061990	2.9901333	20	8 10.9	20.2
396986 2005 SF_{149}	16.5	X	339.29680	228.59192	90.33259	3.31342	0.0844786	0.18700859	3.0285053	20	7 31.6	20.1
396987 2005 SZ_{149}	16.2	X	332.44241	292.85721	31.68192	10.73811	0.1145881	0.18745411	3.0237050	20	7 29.7	20.0
396988 2005 SG_{156}	16.4	X	334.68854	107.35270	201.94482	6.50154	0.1140755	0.18569539	3.0427666	20	7 7.3	20.2
396989 2005 SB_{173}	16.7	X	229.22489	185.59477	209.52824	9.22527	0.1045639	0.18086169	3.0967417	20	6 8.2	21.5
396990 2005 SK_{177}	17.0	X	96.22597	111.65879	203.76069	13.09077	0.2014367	0.21187951	2.7866135	20	—	—
396991 2005 SB_{181}	16.9	X	46.76876	49.87386	231.20741	5.61018	0.1952761	0.19680148	2.9271870	20	10 7.7	20.9
396992 2005 SO_{183}	16.1	X	213.72552	235.80565	204.62254	10.23682	0.1018982	0.18310926	3.0713491	20	7 15.9	21.0
396993 2005 SG_{194}	16.4	X	280.40821	136.97471	223.78973	4.08555	0.2061150	0.18340321	3.0680665	20	6 10.1	20.6
396994 2005 ST_{212}	16.0	X	265.57169	171.00033	207.23262	10.70306	0.1443765	0.18252772	3.0778692	20	6 22.4	20.6
396995 2005 SL_{213}	16.5	X	286.70147	344.74436	19.32330	10.70573	0.1140760	0.18442682	3.0567036	20	7 8.6	20.8
396996 2005 SP_{215}	16.3	X	313.38332	69.08517	276.64943	7.20554	0.1939828	0.18923695	3.0046837	20	7 12.0	19.6
396997 2005 SQ_{226}	18.3	X	69.91020	250.33848	194.70061	3.70977	0.0905784	0.29384457	2.2407373	20	1 23.3	20.4
396998 2005 SZ_{236}	16.6	X	284.30840	355.37461	3.25472	3.63821	0.2081614	0.18374647	3.0642443	20	6 11.6	20.7
396999 2005 SK_{280}	15.9	X	168.63188	261.89060	196.68937	17.20649	0.1288836	0.17497546	3.1658083	20	6 23.3	21.2
397000 2005 SC_{283}	16.7	X	52.60868	91.78367	139.03583	10.31057	0.1144314	0.18388149	3.0627440	20	7 29.4	20.8
397001 2005 SW_{284}	16.4	X	175.98430	343.76223	115.47232	10.44611	0.0578932	0.17874160	3.1211810	20	7 2.6	21.0
397002 2005 SA_{289}	16.5	X	54.45519	92.89210	89.86979	16.85680	0.1786411	0.16943701	3.2344259	20	6 9.3	20.7
397003 2005 SU_{291}	17.2	X	236.44200	34.01276	225.85611	6.86599	0.0724685	0.29151715	2.2526479	20	—	—
397004 2005 SA_{292}	16.2	X	222.43000	196.83203	177.34343	4.78705	0.0977798	0.17535572	3.1612300	20	5 7.5	21.0
397005 2005 TB_{3}	16.8	X	315.53026	153.01436	215.44552	6.76433	0.1980436	0.19243882	2.9712618	20	8 14.9	20.2
397006 2005 TM_{6}	15.7	X	309.33965	98.72302	250.90699	9.77290	0.1432773	0.18759255	3.0222171	20	7 15.7	19.5
397007 2005 TT_{6}	16.3	X	72.74373	123.80939	255.25291	8.06768	0.1543718	0.21517913	2.7580531	20	—	—
397008 2005 TB_{12}	18.0	X	97.77283	274.41508	149.48335	1.83725	0.1041846	0.29367971	2.2415758	20	2 9.9	20.5
397009 2005 TQ_{27}	15.5	X	287.83469	147.33007	194.30163	12.31485	0.2091044	0.18276697	3.0751826	20	5 26.8	19.9
397010 2005 TR_{36}	16.5	X	67.56922	223.02330	175.87570	8.68475	0.2083146	0.21738535	2.7393605	20	—	—
397011 2005 TV_{37}	16.6	X	352.69731	318.75080	1.36356	8.99086	0.0635229	0.19197881	2.9760063	20	8 25.9	20.4
397012 2005 TD_{51}	15.2	X	205.43190	5.74630	100.52790	28.61524	0.1113323	0.17501490	3.1653328	20	8 12.1	20.4
397013 2005 TG_{53}	16.3	X	303.50898	151.21806	217.99895	10.09809	0.1223115	0.18906553	3.0064995	20	8 3.3	20.3
397014 2005 TS_{58}	16.3	X	127.66589	268.54548	203.63565	16.11157	0.0806862	0.17196160	3.2026912	20	5 28.1	21.2
397015 2005 TR_{72}	15.7	X	293.16870	302.64904	63.14422	11.91925	0.0808735	0.18559130	3.0439041	20	7 25.8	19.9
397016 2005 TV_{72}	15.3	X	256.67052	297.93254	66.02146	12.36339	0.2281362	0.17982836	3.1085935	20	5 16.9	20.2
397017 2005 TN_{124}	16.4	X	355.99237	96.81900	208.76927	9.94608	0.0914672	0.18819907	3.0157204	20	8 5.5	20.3
397018 2005 TR_{124}	16.2	X	139.03847	241.43123	211.60436	10.09289	0.0686436	0.17188777	3.2036082	20	5 15.9	20.9
397019 2005 TW_{124}	16.3	X	308.65014	151.23953	211.05755	8.58991	0.1612278	0.18886317	3.0086467	20	7 28.9	20.1
397020 2005 TW_{134}	16.0	X	40.93480	234.47492	19.06897	13.18391	0.1587609	0.19027657	2.9937292	20	8 25.6	20.0
397021 2005 TD_{137}	17.0	X	349.42306	205.78789	107.06267	2.31734	0.1238319	0.19098541	2.9863171	20	8 9.3	20.2
397022 2005 TB_{146}	16.9	X	43.78821	176.03602	101.12574	4.57305	0.1370205	0.19308367	2.9646427	20	9 23.2	20.8
397023 2005 TN_{163}	16.3	X	233.24413	203.74946	215.22078	10.72071	0.0808987	0.18287746	3.0739438	20	7 12.7	21.0
397024 2005 TQ_{191}	17.6	X	198.75228	249.52819	107.62573	5.41688	0.1520788	0.30195914	2.2004116	20	3 16.6	20.9
397025 2005 TH_{194}	17.0	X	307.33524	171.68430	191.70931	1.99311	0.1968515	0.18465882	3.0541428	20	7 24.9	20.6
397026 2005 UB_{4}	16.7	X	325.65624	105.73254	236.66840	6.74382	0.1602205	0.18760444	3.0220894	20	8 1.3	20.2
397027 2005 UM_{8}	15.9	X	299.11289	294.99377	68.36351	9.99901	0.2815073	0.18531192	3.0469628	20	6 27.4	19.7
397028 2005 UO_{10}	17.6	X	220.05205	257.63333	108.85315	4.09054	0.2212977	0.30839787	2.1696773	20	4 14.9	21.0
397029 2005 UN_{12}	15.8	X	261.71100	356.59360	357.43553	10.61325	0.1677682	0.17796137	3.1302970	20	5 12.3	20.6
397030 2005 UU_{14}	17.7	X	254.29347	291.91307	46.16129	3.70447	0.1892631	0.31020395	2.1612475	20	4 10.9	20.9
397031 2005 UL_{18}	17.7	X	91.81809	347.55825	52.48961	6.14365	0.1349477	0.28671899	2.2777099	20	1 3.9	19.9
397032 2005 UA_{46}	17.1	X	14.51453	192.44000	219.64436	11.72672	0.1507100	0.27583407	2.3372443	20	—	—
397033 2005 UN_{47}	17.6	X	150.36668	71.28785	279.67883	3.06796	0.0915932	0.29006149	2.2601781	20	1 10.9	20.5
397034 2005 UP_{49}	15.4	X	227.74359	184.23612	225.27907	10.26954	0.1436543	0.17794322	3.1305099	20	6 20.1	20.3
397035 2005 UQ_{50}	17.2	X	197.26343	83.55114	243.12350	6.83102	0.2397864	0.29824419	2.2186462	20	2 2.9	21.0
397036 2005 UM_{52}	15.5	X	265.93993	311.10511	32.07415	26.10302	0.1752968	0.17643718	3.1482990	20	5 2.3	20.2
397037 2005 UN_{53}	18.2	X	236.68775	164.94149	188.39391	5.04833	0.1866008	0.30922002	2.1658297	20	4 13.4	21.2
397038 2005 UZ_{53}	17.8	X	167.69689	265.32815	67.06012	4.85380	0.1906836	0.29329739	2.2435233	20	1 16.8	21.1
397039 2005 US_{55}	17.7	X	103.59605	330.73850	62.26279	3.28025	0.1560080	0.28812689	2.2702840	20	1 16.2	20.0
397040 2005 UV_{63}	16.1	X	303.55739	289.58850	59.01884	11.45840	0.1233054	0.18188304	3.0851379	20	7 10.4	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
397041 2005 UL_{68}	16.2	X	214.10924	227.42879	175.96056	16.59057	0.2184320	0.17556465	3.1587215	20	5 28.9	21.8
397042 2005 UG_{69}	15.7	X	310.52115	120.70950	232.29084	8.18375	0.1027541	0.18593510	3.0401509	20	7 26.6	19.7
397043 2005 UY_{70}	17.1	X	54.39955	137.90614	260.59481	5.77851	0.1020304	0.28133125	2.3066980	20	—	—
397044 2005 UB_{80}	17.7	X	197.85401	286.88976	72.61805	7.80464	0.2170251	0.30169281	2.2017064	20	3 21.0	21.4
397045 2005 UL_{82}	16.6	X	183.84666	28.90483	35.94726	10.62117	0.0919681	0.17393805	3.1783837	20	5 27.2	21.6
397046 2005 US_{83}	16.5	X	323.08365	278.28312	39.87807	9.49308	0.1099058	0.18301416	3.0724129	20	7 1.6	20.4
397047 2005 UU_{91}	16.0	X	311.56949	69.81398	254.60617	9.18102	0.1077151	0.18065021	3.0991581	20	6 21.3	19.8
397048 2005 UQ_{92}	16.4	X	283.16768	132.77150	242.12004	9.60834	0.1488786	0.18357387	3.0661647	20	7 9.1	20.7
397049 2005 UU_{93}	15.8	X	3.58932	231.29035	30.79821	17.35760	0.1886648	0.17963039	3.1108770	20	6 24.7	19.4
397050 2005 UL_{98}	15.9	X	19.52291	196.56793	63.70111	10.46697	0.0817194	0.17956723	3.1116064	20	7 16.1	20.0
397051 2005 UV_{99}	17.5	X	4.56035	35.59461	82.65719	6.05883	0.0859871	0.28332272	2.2958761	20	—	—
397052 2005 UP_{101}	16.3	X	270.49518	253.41318	116.27480	4.20265	0.0771672	0.17990879	3.1076669	20	6 27.8	20.7
397053 2005 UW_{103}	17.0	X	319.97931	221.87683	97.56710	2.54007	0.1651112	0.18123934	3.0924385	20	6 21.2	20.4
397054 2005 UB_{107}	16.0	X	244.38517	184.66439	214.75916	9.95578	0.0755235	0.17872533	3.1213704	20	7 2.4	20.7
397055 2005 UG_{109}	17.7	X	219.92715	245.33889	110.29074	6.85964	0.1668917	0.30649220	2.1786615	20	4 4.5	21.0
397056 2005 UQ_{109}	15.9	X	86.56687	39.48535	246.64345	17.11728	0.1843755	0.19796948	2.9156623	20	11 25.9	20.6
397057 2005 UC_{121}	16.0	X	337.40657	29.40312	221.86693	17.21520	0.0617918	0.17132900	3.2105700	20	4 29.8	20.3
397058 2005 UD_{126}	15.3	X	301.93494	115.86386	229.61302	8.38506	0.0170720	0.17967957	3.1103093	20	7 14.7	19.7
397059 2005 UB_{132}	17.8	X	154.28144	318.56714	49.34694	5.07087	0.1129637	0.29266522	2.2467529	20	2 11.6	20.8
397060 2005 UJ_{139}	15.5	X	292.10773	99.23235	250.52572	9.78381	0.2132939	0.18292520	3.0734090	20	6 10.1	19.4
397061 2005 UY_{148}	17.4	X	301.30934	65.64593	32.68973	7.20581	0.1386290	0.26759645	2.3849676	20	12 26.5	19.7
397062 2005 UX_{149}	16.0	X	317.96607	129.47777	226.55311	10.28862	0.0987894	0.18690891	3.0295820	20	8 10.5	20.0
397063 2005 UA_{151}	15.4	X	351.41631	54.16642	231.18307	16.67702	0.1717308	0.18086593	3.0966934	20	6 30.5	19.0
397064 2005 UU_{152}	16.8	X	293.48723	99.28857	238.63731	1.98426	0.0951731	0.17820963	3.1273893	20	6 14.7	20.9
397065 2005 UQ_{156}	16.1	X	295.35977	154.90178	197.70401	4.89606	0.1677973	0.18280576	3.0747476	20	6 25.6	20.1
397066 2005 UE_{158}	16.0	X	184.91355	219.40487	210.74848	15.41334	0.1191104	0.17389516	3.1789063	20	6 5.5	21.2
397067 2005 UK_{160}	17.5	X	173.03441	300.42018	80.44695	6.82968	0.1738816	0.30121308	2.2040435	20	3 24.7	20.9
397068 2005 UU_{161}	17.5	X	126.35327	326.48781	49.62635	6.51839	0.1903471	0.29074695	2.2566244	20	1 30.9	20.5
397069 2005 UF_{163}	18.0	X	340.10135	214.98903	238.29066	3.32808	0.2091135	0.27375016	2.3490907	20	—	—
397070 2005 UA_{167}	17.7	X	208.91119	243.75516	36.74023	7.92292	0.1338405	0.29017728	2.2595768	20	—	—
397071 2005 UR_{167}	18.2	X	292.78671	283.08999	230.22953	4.72208	0.1342419	0.27699532	2.3307074	20	—	—
397072 2005 UC_{178}	15.8	X	285.61856	62.86602	240.39958	9.47538	0.0981492	0.17086932	3.2163254	20	4 18.8	20.4
397073 2005 UT_{179}	16.1	X	5.68938	93.87583	214.65380	7.03827	0.2619508	0.18943087	3.0026327	20	9 12.8	19.0
397074 2005 UF_{183}	16.3	X	355.48906	73.33936	232.33026	8.44860	0.0429417	0.18509776	3.0493125	20	8 3.4	20.5
397075 2005 UR_{184}	18.2	X	25.67590	30.21947	62.03264	5.00138	0.1145740	0.28156043	2.3054461	20	—	—
397076 2005 UH_{231}	16.3	X	310.46166	124.72698	222.26831	1.41963	0.2072220	0.18557426	3.0440905	20	7 6.5	19.8
397077 2005 UM_{240}	17.4	X	62.21368	4.80571	88.70374	6.22317	0.0806304	0.28971091	2.2620011	20	1 24.7	19.6
397078 2005 UG_{249}	16.0	X	272.88092	292.32512	57.36407	8.93069	0.2275128	0.17920091	3.1158454	20	5 15.3	20.6
397079 2005 UX_{249}	16.3	X	244.92620	156.43524	248.89056	8.62790	0.2095568	0.17917704	3.1161221	20	6 25.7	21.2
397080 2005 UG_{252}	16.0	X	245.89705	151.60126	246.32376	11.93336	0.1522460	0.18154099	3.0890120	20	6 23.6	20.7
397081 2005 UG_{260}	16.1	X	355.74240	235.43951	54.85219	10.69477	0.0776236	0.18091058	3.0961838	20	7 19.8	20.2
397082 2005 US_{275}	15.1	X	284.41315	123.87993	237.39778	21.07008	0.0813981	0.18133947	3.0913000	20	6 30.9	19.6
397083 2005 UU_{282}	16.2	X	273.08891	305.24086	51.27210	8.42677	0.0782109	0.17963506	3.1108231	20	6 13.3	20.5
397084 2005 UL_{287}	16.9	X	2.78956	120.28256	191.69461	9.06101	0.0801962	0.18885912	3.0086898	20	8 25.8	20.8
397085 2005 UU_{292}	16.1	X	82.65043	290.56084	245.59703	8.12984	0.0260337	0.17418395	3.1753916	20	6 15.3	20.5
397086 2005 UX_{292}	15.8	X	322.53308	69.03215	248.08318	6.87188	0.0399778	0.17922640	3.1155500	20	7 4.6	20.0
397087 2005 UG_{308}	16.3	X	341.18205	55.30336	236.97603	8.56999	0.0510891	0.17742673	3.1365823	20	6 27.8	20.5
397088 2005 US_{308}	16.7	X	337.45946	235.35014	123.87543	7.05634	0.2461114	0.19180669	2.9777864	20	9 23.9	19.3
397089 2005 UG_{340}	16.6	X	305.20096	128.68060	210.01788	12.16567	0.0785140	0.18098561	3.0953281	20	7 3.0	20.9
397090 2005 UA_{350}	16.2	X	337.15702	4.61084	29.99586	11.83046	0.2365732	0.19631884	2.9319827	20	11 10.7	18.9
397091 2005 UB_{350}	17.4	X	123.90833	97.58942	279.46838	6.31686	0.1540195	0.28894413	2.2660012	20	1 20.9	20.2
397092 2005 UH_{357}	15.7	X	6.51999	213.78787	79.44755	12.19756	0.1000992	0.18549478	3.0449599	20	8 13.7	19.6
397093 2005 UR_{369}	16.2	X	299.30320	121.39542	210.48607	9.01385	0.1887533	0.18036605	3.1024124	20	6 1.4	20.2
397094 2005 UP_{407}	16.6	X	46.80843	200.34427	59.96066	5.39685	0.1106676	0.18902629	3.0069156	20	9 1.3	20.6
397095 2005 UP_{436}	16.7	X	259.81806	150.88828	218.77379	8.71456	0.1138782	0.18067686	3.0988534	20	6 9.5	21.3
397096 2005 UL_{439}	15.6	X	162.92787	48.42245	33.69317	20.64287	0.0669813	0.17207497	3.2012844	20	5 22.9	20.6
397097 2005 UJ_{459}	16.5	X	265.35478	197.46047	202.34239	11.01232	0.0561430	0.18383379	3.0632738	20	7 30.3	20.9
397098 2005 UO_{459}	18.2	X	177.32502	135.82215	246.21116	1.91396	0.1652970	0.29953875	2.2122492	20	3 25.2	21.5
397099 2005 US_{462}	18.1	X	313.97235	115.75910	94.19806	3.52456	0.0997116	0.29375762	2.2411794	20	1 12.8	20.5
397100 2005 UD_{467}	15.7	X	262.64170	96.98675	246.45272	14.77193	0.0962585	0.17396758	3.1780240	20	5 12.3	20.3
397101 2005 UO_{492}	16.0	X	284.09308	284.64142	58.77079	15.56372	0.3458379	0.18533273	3.0467346	20	5 6.1	20.6
397102 2005 UX_{511}	16.1	X	122.89045	254.25280	235.82122	8.80222	0.0562259	0.17061744	3.2194901	20	6 10.6	20.7
397103 2005 UF_{515}	16.0	X	313.20172	227.16262	107.85165	12.89781	0.0444154	0.18199744	3.0838450	20	7 15.6	20.1
397104 2005 UV_{515}	16.2	X	207.21612	261.21665	171.72078	15.60754	0.0883051	0.17829395	3.1264032	20	7 2.0	21.2
397105 2005 UW_{516}	16.4	X	289.15859	204.48291	174.78638	8.74193	0.0271936	0.18889316	3.0083283	20	8 10.4	20.5
397106 2005 UJ_{520}	16.8	X	297.22172	250.21041	88.06565	10.02651	0.0040436	0.18081162	3.0973135	20	7 2.8	21.0
397107 2005 UE_{522}	15.9	X	208.50404	293.76650	77.00216	11.36649	0.0783258	0.17075579	3.2177509	20	4 23.3	20.9
397108 2005 UD_{524}	18.6	X	246.68445	158.55981	172.63543	7.33319	0.1948672	0.30883723	2.1676190	20	3 24.4	21.6
397109 2005 VM_{9}	15.7	X	354.24907	72.62200	221.00958	9.29040	0.0403443	0.17931930	3.1144739	20	7 17.1	20.0
397110 2005 VL_{31}	16.1	X	314.65253	124.79825	229.66710	6.28400	0.2010099	0.18523889	3.0477635	20	7 23.9	19.6
397111 2005 VN_{35}	16.5	X	336.20845	69.92202	243.65389	5.60442	0.0822288	0.18418712	3.0593550	20	7 17.2	20.4
397112 2005 VF_{48}	15.6	X	290.73518	127.88321	221.39080	22.01440	0.0461390	0.17959541	3.1112810	20	6 28.8	20.3
397113 2005 VG_{54}	16.4	X	302.39388	134.84526	209.29108	9.33505	0.1703556	0.18266658	3.0763092	20	6 24.2	20.4
397114 2005 VS_{88}	17.8	X	247.69936	268.88517	80.01830	6.46626	0.2293395	0.30976600	2.1632840	20	4 17.1	21.1
397115 2005 VM_{91}	17.7	X	143.28388	285.17342	96.92604	3.73378	0.1640690	0.29380665	2.2409301	20	2 22.7	20.7
397116 2005 VX_{91}	16.2	X	127.88566	51.46701	55.38633	9.96101	0.0647948	0.16897866	3.2402721	20	5 19.1	21.0
397117 2005 VE_{102}	17.4	X	359.02484	164.00315	288.90927	6.08206	0.2341214	0.27649165	2.3335371	20	—	—
397118 2005 VJ_{117}	16.9	X	324.92974	280.93633	51.04974	6.18662	0.1483249	0.18373687	3.0643510	20	7 21.2	20.5
397119 2005 VK_{124}	17.3	X	328.31160	291.92923	274.93981	5.64049	0.1473797	0.28891189	2.2661697	20	1 20.9	19.9
397120 2005 VX_{124}	17.7	X	333.05445	242.68858	277.39353	4.68127	0.0298069	0.28319558	2.2965632	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
397121 2005 VS_{126}	16.4	X	359.40535	271.98937	20.50946	9.37409	0.1001907	0.18909479	3.0061894	20	7 31.8	20.2
397122 2005 WA_{6}	15.4	X	47.72566	279.00100	253.98039	15.11834	0.0579289	0.16242823	3.3268129	20	4 28.3	20.1
397123 2005 WN_{16}	16.1	X	320.97499	106.98876	248.14534	9.20986	0.2132211	0.18603400	3.0390732	20	8 3.1	19.5
397124 2005 WR_{30}	18.0	X	249.46258	274.60983	53.96915	4.93666	0.2266362	0.30449579	2.1881740	20	3 23.2	21.3
397125 2005 WK_{31}	15.4	X	274.50151	71.58791	260.43992	13.53160	0.0270728	0.16885710	3.2418270	20	5 22.5	19.9
397126 2005 WV_{31}	17.7	X	204.42631	296.10832	53.77649	5.23123	0.1781968	0.29846255	2.2175639	20	3 12.9	21.1
397127 2005 WY_{37}	16.0	X	267.59486	304.67528	79.92928	12.64652	0.1703479	0.17820846	3.1274029	20	6 29.5	20.6
397128 2005 WF_{42}	16.5	X	101.92908	159.84222	242.35251	11.78451	0.0743969	0.22038558	2.7144422	20	1 21.8	20.4
397129 2005 WS_{42}	17.3	X	271.25463	351.80733	254.83617	8.52851	0.1421406	0.28823952	2.2696925	20	1 5.1	20.5
397130 2005 WL_{46}	16.8	X	15.27226	340.55611	93.63231	22.29843	0.1336954	0.27552634	2.3389843	20	—	—
397131 2005 WS_{56}	16.7	X	223.97979	92.71029	261.21202	5.46700	0.2644355	0.30385593	2.1912448	20	3 26.9	20.5
397132 2005 WM_{80}	15.5	X	348.73497	213.26619	78.32538	13.59329	0.1051064	0.17495014	3.1661138	20	7 7.9	19.5
397133 2005 WW_{87}	17.2	X	53.60157	354.41942	88.73974	7.06797	0.1398506	0.28135747	2.3065546	20	—	—
397134 2005 WO_{92}	18.3	X	235.73065	256.66035	65.64758	2.57848	0.1648856	0.29965927	2.2116560	20	3 5.7	21.5
397135 2005 WW_{103}	17.8	X	68.99084	305.23644	120.58582	5.22737	0.2015689	0.28496009	2.2870730	20	1 8.9	19.4
397136 2005 WR_{105}	17.5	X	356.31343	0.46082	76.17928	6.17981	0.1754172	0.27244122	2.3566088	20	—	—
397137 2005 WD_{107}	17.4	X	120.12105	305.90207	70.35445	7.19332	0.1258670	0.28794126	2.2712596	20	1 12.1	20.0
397138 2005 WZ_{111}	15.5	X	22.01010	39.55077	235.49939	16.40250	0.1787866	0.18242409	3.0790348	20	8 11.5	19.5
397139 2005 WH_{118}	17.1	X	84.87177	124.14543	302.46962	6.10394	0.0963208	0.28807002	2.2705828	20	1 24.4	19.2
397140 2005 WL_{130}	18.1	X	32.53647	20.22942	69.42043	3.06037	0.1780215	0.28111540	2.3078786	20	—	—
397141 2005 WS_{131}	16.1	X	345.41799	252.28504	68.86173	9.97873	0.1428929	0.18358831	3.0660039	20	8 16.4	19.7
397142 2005 WX_{135}	16.1	X	55.73871	23.51154	252.79039	7.04778	0.0996011	0.18637417	3.0353742	20	9 25.6	20.4
397143 2005 WR_{140}	15.4	X	146.69987	302.49758	282.79397	21.66943	0.1670189	0.18400309	3.0613946	20	10 29.5	20.8
397144 2005 WO_{153}	17.9	X	227.56475	277.97018	48.00986	3.61404	0.2101484	0.29927010	2.2135729	20	3 1.6	21.5
397145 2005 WP_{161}	17.3	X	328.23589	256.66893	92.22483	1.73797	0.2060715	0.18720026	3.0264378	20	8 15.1	20.3
397146 2005 WM_{162}	15.9	X	284.92329	290.93360	89.48644	17.15606	0.2656755	0.18056917	3.1000853	20	7 1.9	20.0
397147 2005 WJ_{171}	16.8	X	314.64487	207.19975	156.22238	2.13377	0.2543535	0.18520518	3.0481333	20	7 30.4	19.8
397148 2005 WK_{181}	15.8	X	270.46905	276.56299	104.87750	11.55804	0.2088899	0.17962922	3.1108905	20	6 24.1	20.3
397149 2005 WV_{187}	17.4	X	105.97707	187.70279	232.29819	25.33814	0.1664089	0.29000556	2.2604687	20	2 15.8	20.9
397150 2005 WA_{211}	18.7	X	17.10984	47.81227	55.35486	2.05745	0.1437333	0.27993909	2.3143393	20	—	—
397151 2005 WG_{211}	15.5	X	259.16431	125.61082	254.03952	14.03659	0.0453597	0.17714629	3.1398917	20	6 29.5	20.1
397152 2005 XL	16.6	X	263.56697	124.41991	228.96729	9.20439	0.1321663	0.17491607	3.1665249	20	5 22.0	21.1
397153 2005 XS_{2}	16.9	X	35.78835	130.52898	283.58735	6.13783	0.2105535	0.27667784	2.3324900	20	—	—
397154 2005 XK_{40}	17.2	X	126.64321	306.85231	83.21371	6.33600	0.1631877	0.28730086	2.2746335	20	2 15.7	20.1
397155 2005 XG_{41}	17.3	X	35.98382	32.93064	62.15245	6.91318	0.1287687	0.28037937	2.3119158	20	—	—
397156 2005 XS_{43}	18.3	X	186.43430	55.14523	281.43973	2.27540	0.1237479	0.29177229	2.2513345	20	2 3.9	21.4
397157 2005 XD_{54}	14.8	X	184.51785	202.72027	290.61205	29.55703	0.2498528	0.17606201	3.1527699	20	8 7.5	20.6
397158 2005 XP_{69}	17.5	X	264.31676	190.79225	51.46999	6.86437	0.0597857	0.28473167	2.2882960	20	—	—
397159 2005 XR_{71}	17.5	X	176.74777	318.72820	64.36435	6.60500	0.1711355	0.29703897	2.2246435	20	3 30.7	21.0
397160 2005 XA_{101}	18.3	X	20.13803	141.98448	297.90959	1.68198	0.0667736	0.27066027	2.3669352	20	—	—
397161 2005 XD_{115}	16.1	X	157.67801	9.58193	80.02632	7.58708	0.0785890	0.16935188	3.2355097	20	6 1.2	20.9
397162 2005 YE_{6}	18.0	X	313.91633	88.21867	87.09429	7.29076	0.1574429	0.27807481	2.3246716	20	—	—
397163 2005 YS_{22}	18.0	X	272.25649	179.16563	9.54484	1.19583	0.1259349	0.26923591	2.3752759	20	—	—
397164 2005 YQ_{30}	17.5	X	259.48299	337.22200	115.36498	23.96952	0.1147557	0.38858737	1.8598457	20	11 20.8	19.5
397165 2005 YX_{57}	18.6	X	346.57666	132.75949	347.72251	1.40867	0.1218968	0.27273257	2.3549302	20	—	—
397166 2005 YW_{70}	17.6	X	3.91153	351.66348	94.73612	5.94104	0.2040377	0.27184435	2.3600571	20	—	—
397167 2005 YY_{78}	18.4	X	328.44410	22.95642	99.55674	3.59118	0.1375263	0.27007881	2.3703312	20	—	—
397168 2005 YA_{86}	18.1	X	181.30562	276.63415	82.44688	1.86903	0.2544661	0.29327775	2.2436235	20	3 5.3	21.8
397169 2005 YC_{102}	18.2	X	304.19729	260.65030	225.90645	1.45015	0.1470901	0.26656654	2.3911067	20	—	—
397170 2005 YD_{105}	18.3	X	320.03723	213.71452	278.98752	0.52065	0.1306527	0.27014628	2.3699366	20	—	—
397171 2005 YD_{107}	17.8	X	344.91007	216.59899	272.87709	1.75118	0.1339242	0.27453009	2.3446395	20	—	—
397172 2005 YS_{121}	15.9	X	331.23254	346.50118	87.27156	2.89922	0.1368245	0.12622681	3.9358176	20	11 28.2	20.6
397173 2005 YC_{142}	17.5	X	317.32092	150.46716	306.61654	5.69458	0.0745688	0.26366720	2.4086035	20	—	—
397174 2005 YF_{148}	17.9	X	276.06313	186.72171	7.97301	2.77976	0.1223582	0.27106742	2.3645645	20	—	—
397175 2005 YR_{153}	17.3	X	14.94491	13.62784	75.75739	7.59878	0.1191560	0.27409404	2.3471255	20	—	—
397176 2005 YG_{200}	18.1	X	323.76619	353.29273	119.40553	7.09831	0.1936392	0.26670178	2.3902983	20	—	—
397177 2005 YS_{253}	18.3	X	257.18253	130.43727	59.13258	2.24795	0.1199651	0.26563572	2.3966893	20	—	—
397178 2005 YV_{254}	17.5	X	226.09592	245.61984	37.32044	5.02959	0.1437676	0.28111806	2.3078640	20	1 9.1	21.1
397179 2006 AR_{16}	15.3	X	263.09389	292.10270	85.43385	17.16182	0.1208944	0.17620686	3.1510419	20	6 21.9	19.7
397180 2006 AB_{17}	18.6	X	280.50005	342.46315	191.56550	0.87367	0.1312091	0.26868191	2.3785399	20	—	—
397181 2006 AJ_{40}	17.7	X	243.84713	213.29942	314.68650	2.36776	0.0790333	0.25925139	2.4358768	20	12 30.6	20.5
397182 2006 AZ_{40}	15.9	X	3.13895	31.67567	301.94311	27.37377	0.1848580	0.18084849	3.0968924	20	9 14.9	20.1
397183 2006 AL_{51}	17.9	X	149.92561	219.99865	120.71124	5.57882	0.0365631	0.27784091	2.3259762	20	—	—
397184 2006 AS_{54}	16.8	X	225.19404	218.09351	182.84469	2.31214	0.2057305	0.23760473	2.5816617	20	6 3.4	20.9
397185 2006 BN_{17}	17.5	X	249.12106	267.57439	301.48391	2.19307	0.1214089	0.26684242	2.3894584	20	—	—
397186 2006 BU_{21}	17.5	X	200.10252	243.30287	136.82497	7.30567	0.0790463	0.29382257	2.2408491	20	4 19.1	20.6
397187 2006 BO_{22}	17.7	X	291.87283	124.79704	129.29146	7.80409	0.0772855	0.28359813	2.2943895	20	2 18.5	20.6
397188 2006 BM_{32}	15.7	X	271.98107	293.16787	92.92287	16.03109	0.2007857	0.17919169	3.1159524	20	7 2.5	20.0
397189 2006 BA_{47}	17.9	X	286.94451	301.21235	135.98192	22.54895	0.0827718	0.38872488	1.8594071	20	12 17.6	19.7
397190 2006 BQ_{61}	15.6	X	331.43680	9.58638	32.42026	12.14578	0.2682909	0.19006566	2.9959435	20	11 6.2	18.2
397191 2006 BR_{89}	18.2	X	317.17767	52.37400	88.30920	1.82449	0.1537705	0.26731733	2.3866275	20	—	—
397192 2006 BZ_{114}	17.9	X	221.12073	69.34302	176.76992	2.74950	0.1635616	0.26446937	2.4037306	20	—	—
397193 2006 BL_{115}	17.9	X	285.12788	309.85080	209.91596	1.65195	0.1400949	0.26306678	2.4122670	20	—	—
397194 2006 BZ_{123}	17.7	X	217.41175	107.00808	145.53029	5.58501	0.1881212	0.26330902	2.4107873	20	—	—
397195 2006 BO_{149}	17.0	X	45.65576	294.05687	154.57191	22.97435	0.3122577	0.27746390	2.3280826	20	—	—
397196 2006 BN_{174}	16.4	X	182.27989	216.03361	355.39131	6.91793	0.0965596	0.18477872	3.0528215	20	11 20.7	21.2
397197 2006 BL_{191}	15.8	X	289.86798	275.44836	104.06483	26.74377	0.2308075	0.18115246	3.0934271	20	7 13.1	19.7
397198 2006 BB_{193}	18.3	X	245.21470	8.01758	178.51459	2.36278	0.1597665	0.25948461	2.4344170	20	—	—
397199 2006 BF_{196}	18.2	X	315.93558	223.12322	255.89261	1.53887	0.1352898	0.26314808	2.4117701	20	—	—
397200 2006 BR_{202}	18.1	X	88.62569	30.67010	4.86762	4.70476	0.1587842	0.27542988	2.3395303	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
397201 2006 BR_{223}	17.6	X	95.55376	262.61155	144.22248	6.21169	0.1655985	0.27884813	2.3203717	20	1 25.6	20.0
397202 2006 BS_{258}	18.3	X	280.74108	300.19304	222.66139	1.37079	0.1739150	0.26227899	2.4170950	20	—	—
397203 2006 BO_{279}	18.2	X	208.47147	85.48657	151.20723	1.78327	0.1474793	0.26006109	2.4308181	20	—	—
397204 2006 BE_{283}	17.8	X	260.56621	219.97360	48.24503	2.47846	0.1845573	0.27921319	2.3183487	20	1 21.1	21.5
397205 2006 CO_{18}	17.9	X	225.06543	203.76374	28.81639	2.15532	0.1631269	0.26229837	2.4169759	20	—	—
397206 2006 DK_{21}	17.3	X	198.22475	237.70314	317.29949	5.85538	0.0638937	0.25397999	2.4694660	20	12 6.3	20.8
397207 2006 DW_{121}	17.4	X	343.43673	343.52391	126.51487	10.58647	0.1828383	0.26772740	2.3841898	20	—	—
397208 2006 DW_{190}	17.7	X	329.65012	46.11564	62.54186	3.45734	0.1441533	0.26009423	2.4306116	20	—	—
397209 2006 DX_{215}	17.8	X	268.02613	166.28906	18.92198	1.09088	0.1103490	0.26085109	2.4259077	20	—	—
397210 2006 EX_{2}	17.2	X	131.88945	204.91967	152.52990	10.49705	0.0995006	0.27117738	2.3639253	20	—	—
397211 2006 FP_{27}	17.0	X	192.40872	270.24332	27.64412	11.37294	0.2753362	0.25796799	2.4439492	20	1 4.6	21.5
397212 2006 FG_{46}	17.4	X	282.83419	125.66995	83.76548	3.90148	0.1387934	0.26611843	2.3937902	20	—	—
397213 2006 FF_{54}	18.1	X	252.40523	130.79111	43.53164	3.13745	0.1411457	0.25425202	2.4677043	20	—	—
397214 2006 GU_{37}	17.5	X	349.31253	200.23858	99.97746	24.20215	0.0620934	0.36724590	1.9312185	20	8 15.3	19.4
397215 2006 HV_{33}	15.4	X	287.18052	175.60672	41.82569	8.13093	0.1786730	0.12583963	3.9438867	20	1 8.4	21.2
397216 2006 HT_{47}	17.0	X	196.23398	73.26689	52.51813	12.27790	0.1543164	0.23421716	2.6064951	20	9 2.1	21.3
397217 2006 HU_{48}	16.8	X	227.20125	128.35072	86.40767	4.68013	0.1236582	0.25621222	2.4551017	20	—	—
397218 2006 HH_{70}	17.4	X	337.05706	337.88586	124.90241	3.16235	0.1181633	0.25883656	2.4384787	20	—	—
397219 2006 HY_{72}	16.5	X	55.93932	234.52488	73.16459	10.66602	0.0376885	0.23556755	2.5965244	20	11 10.4	19.9
397220 2006 HY_{73}	17.4	X	119.64258	191.72874	88.94628	5.70564	0.2018541	0.24064953	2.5598393	20	12 25.4	21.8
397221 2006 HH_{82}	17.9	X	319.70273	208.36890	53.97302	2.86790	0.1865032	0.27680552	2.3317727	20	3 24.4	20.2
397222 2006 HB_{91}	17.7	X	144.84402	45.95278	201.84205	11.41724	0.1425226	0.24136173	2.5548012	20	12 8.5	21.9
397223 2006 HF_{116}	17.4	X	266.69683	167.07155	48.34015	7.45465	0.0736500	0.25995025	2.4315090	20	—	—
397224 2006 JZ_{21}	17.0	X	70.78779	115.91778	198.93790	14.18318	0.1275157	0.23741583	2.5830309	20	12 16.6	21.1
397225 2006 JY_{36}	17.5	X	128.96081	167.02442	119.63239	11.69416	0.0990994	0.24442735	2.5333947	20	—	—
397226 2006 KO_{24}	16.0	X	2.01960	357.77070	56.79237	13.18972	0.2255107	0.24595451	2.5228970	20	—	—
397227 2006 KA_{42}	17.3	X	155.39263	12.37228	231.33846	13.17190	0.1157514	0.24246681	2.5470327	20	12 13.8	21.3
397228 2006 KN_{42}	16.9	X	109.54440	53.81455	242.37228	13.59663	0.2336410	0.23920770	2.5701153	20	—	—
397229 2006 KH_{52}	16.5	X	13.47418	317.00260	78.40467	13.66269	0.1075649	0.24289906	2.5440101	20	—	—
397230 2006 KK_{57}	17.6	X	188.07812	110.90847	84.86022	11.08768	0.1447077	0.24103109	2.5571370	20	11 17.9	21.5
397231 2006 KN_{70}	17.8	X	114.75080	165.72149	135.23476	4.09290	0.2039965	0.24153505	2.5535788	20	—	—
397232 2006 KV_{82}	17.2	X	119.00845	55.65875	238.14023	11.71920	0.0639055	0.24364768	2.5387963	20	—	—
397233 2006 KR_{89}	16.4	X	96.88399	217.37560	101.45853	14.12744	0.2967255	0.23765725	2.5812813	20	—	—
397234 2006 KW_{97}	16.5	X	347.55927	310.00727	87.16004	15.79205	0.1202658	0.23808208	2.5782097	20	12 12.3	19.3
397235 2006 KR_{99}	17.5	X	44.13801	187.61145	94.89506	24.09466	0.0624797	0.36665432	1.9332952	20	11 2.4	20.2
397236 2006 KS_{105}	16.6	X	322.73110	256.21808	258.78935	19.52505	0.3367037	0.26598372	2.3945984	20	—	—
397237 2006 KZ_{112}	16.7	X	191.52990	358.17803	166.29212	37.77327	0.8867716	0.24579922	2.5239595	20	9 12.1	23.0
397238 2006 KY_{116}	17.1	X	99.21542	153.91301	181.91277	4.59026	0.2077320	0.24383564	2.5374915	20	—	—
397239 2006 KA_{117}	16.9	X	46.41591	96.29183	225.44551	12.52480	0.1303896	0.23277464	2.6172524	20	11 27.4	20.4
397240 2006 OL_{5}	16.9	X	37.68231	241.98736	109.11455	14.08032	0.2778189	0.22671574	2.6636772	20	—	—
397241 2006 OE_{13}	17.2	X	62.56892	201.01161	172.27200	7.68890	0.4186652	0.23088188	2.6315370	20	—	—
397242 2006 PY_{16}	16.7	X	67.84223	153.82269	173.07704	12.79307	0.2849278	0.22669409	2.6638468	20	—	—
397243 2006 PZ_{25}	16.8	X	91.47366	7.36970	314.36098	7.86743	0.2504247	0.23163868	2.6258021	20	—	—
397244 2006 PT_{43}	16.6	X	27.49769	116.09421	253.40879	12.21904	0.1778048	0.22475536	2.6791437	20	—	—
397245 2006 QJ	15.8	X	351.91885	173.52221	134.22924	22.67676	0.1913395	0.21045225	2.7991983	20	8 11.0	18.3
397246 2006 QE_{4}	16.9	X	315.28969	251.00010	145.39506	4.93438	0.0747210	0.21354624	2.7720949	20	10 12.5	20.2
397247 2006 QQ_{9}	16.5	X	333.08893	32.10881	316.48417	5.23460	0.1590910	0.21078535	2.7962486	20	8 30.2	19.2
397248 2006 QD_{23}	16.2	X	22.31675	221.29694	77.54766	9.49695	0.2638827	0.21411375	2.7671944	20	10 16.1	19.4
397249 2006 QX_{25}	17.0	X	89.82164	81.56097	229.87565	9.69332	0.2872458	0.23079963	2.6321621	20	—	—
397250 2006 QS_{31}	16.9	X	26.28196	123.32115	239.42517	2.02565	0.3480524	0.22240149	2.6980143	20	—	—
397251 2006 QS_{80}	16.7	X	85.04928	184.27616	140.82181	15.92296	0.1387683	0.23035225	2.6355691	20	—	—
397252 2006 QY_{95}	16.8	X	146.20866	264.13237	28.83191	9.61037	0.1991796	0.23822847	2.5771535	20	—	—
397253 2006 QG_{98}	17.1	X	35.25145	141.92516	217.83083	7.96265	0.2626610	0.22469673	2.6796098	20	—	—
397254 2006 QG_{99}	17.5	X	145.17222	134.55371	154.79439	7.32890	0.3647282	0.23866088	2.5740396	20	—	—
397255 2006 QC_{111}	16.8	X	93.56301	250.95763	153.87612	18.28006	0.2983513	0.23932478	2.5692770	20	2 17.2	20.0
397256 2006 QM_{120}	16.2	X	242.16720	149.90038	244.26203	8.57128	0.1776767	0.19997362	2.8961491	20	6 13.2	20.6
397257 2006 QA_{130}	15.9	X	26.19085	55.81913	295.84059	13.56323	0.1010732	0.22234757	2.6984505	20	12 1.3	19.6
397258 2006 QL_{142}	16.7	X	46.45028	203.06602	173.31607	13.05120	0.2602026	0.22686979	2.6624713	20	—	—
397259 2006 QR_{159}	17.0	X	79.60434	120.53850	219.86038	1.29314	0.2174574	0.23002835	2.6380426	20	—	—
397260 2006 RF	16.1	X	53.23127	25.57980	312.77902	11.41791	0.2449244	0.22354161	2.6888328	20	—	—
397261 2006 RZ_{15}	16.2	X	123.43813	47.11366	281.51486	10.00724	0.0933648	0.23630456	2.5911227	20	—	—
397262 2006 RN_{16}	14.3	X	177.13740	89.62428	245.73205	12.78689	0.3996813	0.10527722	4.4420125	20	2 13.5	22.1
397263 2006 RG_{17}	16.9	X	6.12118	195.29508	143.99336	5.89482	0.1747656	0.21476546	2.7615936	20	10 27.4	20.0
397264 2006 RV_{23}	17.2	X	134.39247	113.34291	219.12880	3.09248	0.1899871	0.23898933	2.5716807	20	—	—
397265 2006 RQ_{35}	16.1	X	33.86155	308.37429	27.29544	10.49634	0.1543352	0.21942699	2.7223420	20	11 27.1	19.7
397266 2006 RT_{37}	16.7	X	55.88548	206.42270	143.58478	8.09265	0.2253882	0.22516133	2.6759224	20	—	—
397267 2006 RS_{58}	17.0	X	244.53970	66.42860	29.27775	1.71281	0.0731027	0.20864759	2.8153159	20	9 18.1	20.7
397268 2006 RB_{61}	17.0	X	63.28079	81.86467	262.06872	5.03233	0.2194239	0.22674049	2.6634834	20	—	—
397269 2006 RE_{61}	16.2	X	82.91026	3.07371	297.94708	12.86831	0.1553457	0.22675658	2.6633574	20	12 12.9	20.4
397270 2006 RG_{63}	17.2	X	127.22300	168.36730	146.25305	7.12680	0.3184240	0.23707765	2.5854867	20	—	—
397271 2006 RT_{67}	16.0	X	188.05201	210.74697	209.40513	9.96674	0.1128998	0.19517852	2.9433915	20	5 27.9	20.7
397272 2006 RS_{69}	17.4	X	86.80492	92.05196	187.26825	4.48374	0.0843192	0.21875537	2.7279112	20	11 13.0	21.3
397273 2006 RA_{71}	17.6	X	3.40971	145.86774	189.34764	3.32870	0.0975346	0.21206342	2.7850022	20	10 4.9	20.9
397274 2006 RL_{73}	16.9	X	241.95803	66.59071	7.94959	4.37237	0.1033231	0.20385398	2.8592793	20	8 14.5	21.0
397275 2006 RP_{85}	17.0	X	359.11993	118.83251	206.71539	0.99006	0.1009010	0.20890705	2.8129844	20	9 13.9	20.3
397276 2006 RO_{92}	15.8	X	358.59096	27.64978	196.98861	12.02340	0.0535402	0.18712454	3.0272541	20	4 27.0	19.7
397277 2006 RV_{95}	17.7	X	109.22540	150.96210	198.86459	2.88246	0.1621703	0.23398439	2.6082235	20	—	—
397278 Arvidson	17.1	X	139.56368	117.49496	82.28087	0.29544	0.0151384	0.20981054	2.8049030	20	9 28.1	20.7
397279 Bloomsburg	17.1	X	111.43050	1.21229	194.01352	14.85979	0.0773450	0.20277649	2.8693993	20	8 19.6	21.5
397280 2006 SW_{9}	16.5	X	52.34754	14.46185	295.26701	11.75504	0.1717606	0.22227494	2.6990383	20	11 20.4	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
397281 2006 SR_{17}	16.6	X	316.47816	198.71635	207.38114	7.69903	0.1826556	0.21227485	2.7831526	20	10 19.6	19.1
397282 2006 SF_{38}	17.3	X	341.35653	115.82021	242.01849	4.98569	0.0413705	0.21056520	2.7981972	20	9 25.7	21.0
397283 2006 SP_{40}	16.6	X	358.81487	315.53084	45.80603	5.46753	0.1318464	0.21550588	2.7552645	20	11 6.3	19.8
397284 2006 SN_{49}	16.4	X	355.93166	193.60387	185.13055	9.94037	0.2246534	0.21494300	2.7600726	20	12 7.8	19.4
397285 2006 SZ_{50}	16.5	X	89.60155	133.39650	190.78663	27.20050	0.1309461	0.22866592	2.6485108	20	—	—
397286 2006 SE_{51}	16.6	X	300.89886	175.20023	231.69775	6.33676	0.2025365	0.21001693	2.8030650	20	9 13.1	19.7
397287 2006 SG_{54}	16.7	X	80.57432	80.68769	231.69928	11.81185	0.3807490	0.22764629	2.6564134	20	—	—
397288 2006 SS_{79}	16.3	X	100.55633	52.32927	250.27237	12.40397	0.2642588	0.22776985	2.6554527	20	—	—
397289 2006 SX_{83}	17.5	X	344.89218	210.15050	163.87171	4.42539	0.0822159	0.21373088	2.7704982	20	10 28.5	20.8
397290 2006 SQ_{95}	16.5	X	54.11123	283.96840	22.59648	13.54166	0.2324847	0.21685230	2.7438479	20	11 23.9	20.7
397291 2006 SG_{96}	16.6	X	281.85815	132.89237	199.80647	11.68270	0.0269131	0.19045083	2.9919027	20	6 3.1	20.9
397292 2006 ST_{106}	17.5	X	151.11453	258.64423	12.91782	12.79939	0.1761060	0.23000020	2.6382579	20	—	—
397293 2006 SX_{111}	16.5	X	63.16626	274.69184	79.95084	13.85028	0.2771601	0.22687435	2.6624356	20	—	—
397294 2006 SK_{124}	16.4	X	18.01209	220.82775	139.44650	14.14105	0.1909807	0.21763845	2.7372363	20	12 15.9	20.1
397295 2006 SO_{135}	16.6	X	62.74127	207.69838	125.08414	9.69946	0.2058963	0.22624809	2.6673465	20	—	—
397296 2006 SH_{145}	17.2	X	312.69524	204.10559	189.75277	5.48345	0.0568356	0.21026767	2.8008362	20	10 3.5	20.7
397297 2006 SV_{168}	16.9	X	53.11665	105.67365	207.10364	5.90434	0.0318797	0.21741642	2.7390996	20	11 7.0	20.5
397298 2006 SH_{170}	15.0	X	262.41643	122.74793	227.50289	1.93744	0.2518955	0.12271477	4.0105583	20	5 3.7	21.0
397299 2006 SP_{175}	17.4	X	10.67473	29.24905	340.91942	2.15375	0.1594662	0.22077824	2.7112228	20	12 12.1	20.6
397300 2006 SH_{201}	16.9	X	287.84032	94.45609	30.03013	9.23162	0.1228318	0.21904626	2.7254956	20	12 20.8	20.1
397301 2006 SS_{201}	18.0	X	90.25767	291.13267	22.32714	2.14918	0.2732742	0.22640615	2.6661049	20	—	—
397302 2006 SD_{216}	17.0	X	49.82104	138.98870	176.37336	9.17698	0.2243733	0.21861569	2.7290731	20	12 3.9	21.1
397303 2006 SL_{226}	16.9	X	86.72969	44.34761	247.76426	5.12957	0.0830942	0.22061047	2.7125972	20	11 27.9	20.6
397304 2006 SM_{234}	17.3	X	107.55395	2.40787	245.09094	3.47142	0.0182269	0.21442378	2.7645264	20	10 19.1	21.0
397305 2006 SU_{243}	17.0	X	57.75670	132.25325	158.28110	4.60815	0.0260124	0.21283237	2.7782902	20	10 14.7	20.8
397306 2006 SW_{245}	17.2	X	83.99364	269.55243	40.06028	0.54987	0.1671222	0.22535051	2.6744245	20	12 24.7	21.4
397307 2006 SC_{246}	16.8	X	146.37319	50.63124	179.49585	11.82621	0.0666770	0.22040025	2.7143218	20	11 17.6	21.0
397308 2006 SS_{247}	16.9	X	284.88208	26.49253	25.36495	3.85156	0.0980286	0.20927426	2.8096928	20	9 12.6	20.4
397309 2006 SX_{267}	17.4	X	99.41081	25.56754	285.97710	3.25942	0.2625192	0.22715116	2.6602722	20	—	—
397310 2006 SO_{268}	16.1	X	10.88038	358.22878	232.26661	9.24001	0.0383542	0.18748933	3.0233263	20	5 21.3	19.9
397311 2006 SM_{274}	16.8	X	111.34181	151.77766	219.63940	3.91645	0.3237491	0.23569436	2.5955929	20	1 29.9	20.6
397312 2006 SL_{290}	16.5	X	76.87662	185.64602	167.89429	14.84762	0.2618618	0.22748029	2.6577056	20	—	—
397313 2006 SV_{330}	17.1	X	159.68013	16.58425	164.74933	4.31414	0.0397203	0.21084940	2.7956822	20	9 29.9	21.0
397314 2006 SE_{361}	17.0	X	92.65931	161.95941	204.60375	13.64521	0.1081708	0.23061075	2.6335992	20	—	—
397315 2006 SV_{366}	16.5	X	86.86314	82.58492	237.80972	11.94442	0.1847234	0.22660521	2.6645433	20	—	—
397316 2006 SW_{381}	17.1	X	117.81681	93.55345	169.60187	13.37925	0.1828613	0.22174101	2.7033692	20	12 1.9	21.8
397317 2006 SO_{384}	16.9	X	92.01311	187.28706	83.78275	9.93195	0.1224203	0.21492967	2.7601868	20	11 13.0	21.1
397318 2006 SK_{390}	16.7	X	128.90772	194.37714	129.27532	12.98974	0.2031837	0.23199673	2.6230998	20	—	—
397319 2006 SO_{396}	17.1	X	80.33051	245.53252	40.69137	5.28096	0.1189800	0.21700936	2.7425238	20	11 16.4	21.2
397320 2006 ST_{400}	16.9	X	222.56490	208.59187	232.01955	6.27523	0.0363301	0.19900411	2.9055478	20	8 2.9	21.1
397321 2006 SC_{401}	17.1	X	9.10208	253.57326	109.19424	3.23228	0.1618583	0.21700608	2.7425514	20	11 29.9	20.2
397322 2006 SU_{404}	16.2	X	100.41655	259.92209	232.84820	7.97101	0.0915785	0.18325026	3.0697734	20	5 22.9	20.5
397323 2006 SQ_{410}	17.2	X	317.27478	120.02657	259.56475	4.42952	0.0291742	0.21001220	2.8031071	20	9 20.2	20.9
397324 2006 SD_{413}	16.7	X	358.90396	219.94769	128.41526	12.19092	0.2362577	0.21156972	2.7893331	20	11 6.0	19.7
397325 2006 TG	16.4	X	5.15930	160.37739	213.76623	7.27591	0.2251575	0.21684393	2.7439185	20	12 17.6	19.5
397326 2006 TC_{1}	18.9	X	309.89187	160.83240	326.07000	4.49742	0.3756237	0.43697116	1.7198908	20	—	—
397327 2006 TM_{9}	16.1	X	157.21618	19.79820	37.28979	28.21153	0.1569231	0.17943855	3.1130939	20	4 26.0	21.1
397328 2006 TN_{18}	16.9	X	129.30689	285.34434	30.95161	12.70966	0.2813811	0.23417771	2.6067878	20	—	—
397329 2006 TV_{32}	17.1	X	18.16869	117.51266	213.58422	5.99201	0.0218449	0.20901900	2.8119799	20	10 11.7	20.8
397330 2006 TZ_{32}	17.1	X	311.52899	348.66080	32.47688	10.84649	0.0886734	0.20546777	2.8442881	20	9 16.3	20.7
397331 2006 TO_{55}	16.3	X	77.14826	158.60362	185.43595	13.79501	0.2633509	0.22616659	2.6679872	20	—	—
397332 2006 TA_{63}	16.9	X	323.73196	131.34213	247.98932	8.17348	0.2301620	0.20921457	2.8102272	20	9 16.9	19.7
397333 2006 TG_{64}	16.4	X	94.12450	247.30004	84.63500	14.13754	0.2863710	0.22901217	2.6458406	20	—	—
397334 2006 TK_{67}	15.8	X	153.82507	136.78451	269.99357	8.14898	0.1919448	0.17875343	3.1210433	20	4 8.6	21.1
397335 2006 TN_{67}	16.7	X	50.02058	127.70829	198.27247	13.33374	0.1462071	0.21695085	2.7430168	20	12 6.0	20.8
397336 2006 TW_{67}	16.1	X	9.49938	76.21413	276.06580	11.71134	0.1899194	0.21451431	2.7637486	20	11 17.8	19.3
397337 2006 TQ_{72}	17.1	X	76.72209	57.66678	281.59954	3.60909	0.2417599	0.22595578	2.6696465	20	—	—
397338 2006 TG_{75}	16.5	X	23.56973	284.16181	66.43258	9.96368	0.2287767	0.21669035	2.7452148	20	12 14.6	20.0
397339 2006 TS_{88}	17.5	X	160.79979	271.20388	23.90416	11.25266	0.3913693	0.23768258	2.5810979	20	—	—
397340 2006 TH_{90}	17.2	X	119.97861	47.43337	303.23408	1.78107	0.2304745	0.23454797	2.6040437	20	1 3.1	20.6
397341 2006 TB_{96}	16.5	X	92.03095	67.66762	241.24938	11.89016	0.2722685	0.22634940	2.6665506	20	—	—
397342 2006 TK_{109}	16.7	X	33.57618	301.29392	13.49374	10.81168	0.2323313	0.21279061	2.7786536	20	11 9.5	20.4
397343 2006 UQ_{1}	16.8	X	78.70034	329.23606	46.04345	14.87689	0.2804346	0.23070998	2.6328440	20	—	—
397344 2006 UZ_{11}	16.4	X	137.52235	223.48706	45.03195	13.72086	0.1523724	0.22214489	2.7000916	20	12 21.6	20.9
397345 2006 UN_{37}	17.1	X	299.34242	129.43765	259.26875	1.02857	0.0744961	0.20286350	2.8685787	20	9 3.2	20.7
397346 2006 UR_{44}	17.0	X	53.56144	112.11178	222.45439	8.45741	0.2376865	0.21855455	2.7295820	20	12 30.2	21.2
397347 2006 UQ_{63}	16.4	X	87.97045	95.07242	235.39957	11.91423	0.3160180	0.22780999	2.6551407	20	—	—
397348 2006 UH_{70}	15.7	X	175.86071	210.14238	214.63191	19.42220	0.2937726	0.18113092	3.0936724	20	5 22.9	21.4
397349 2006 UD_{71}	16.4	X	70.84614	256.89887	80.21079	13.43150	0.2809974	0.22294645	2.6936159	20	—	—
397350 2006 UJ_{83}	17.4	X	74.93050	238.76493	105.02788	2.67573	0.3174117	0.22548894	2.6733299	20	—	—
397351 2006 UK_{85}	16.3	X	152.80183	59.30538	48.80866	12.69064	0.1801808	0.18267803	3.0761806	20	6 22.3	21.5
397352 2006 UZ_{88}	16.5	X	151.08442	72.75214	225.31377	26.25619	0.2673865	0.23255654	2.6188885	20	—	—
397353 2006 UW_{90}	17.0	X	90.83992	92.22826	233.29469	6.10762	0.3074245	0.22539896	2.6740413	20	—	—
397354 2006 UQ_{94}	17.4	X	65.41151	131.91822	190.16387	7.92546	0.1853580	0.21944409	2.7222006	20	12 22.2	21.6
397355 2006 UT_{97}	15.9	X	254.50797	260.40626	54.24771	10.28563	0.0756814	0.18112109	3.0937843	20	4 4.4	20.5
397356 2006 UF_{98}	16.5	X	322.86950	326.62010	48.31482	15.98892	0.1421106	0.20624242	2.8371615	20	9 27.7	19.9
397357 2006 UB_{103}	17.0	X	15.85265	22.65516	310.57148	4.86339	0.0704024	0.21311497	2.7758335	20	10 15.8	20.7
397358 2006 UY_{114}	17.2	X	51.34216	246.08868	27.80989	4.57823	0.0333747	0.20566746	2.8424467	20	9 14.9	21.0
397359 2006 UC_{119}	16.8	X	147.99841	65.51697	37.63294	8.92586	0.1108597	0.18636260	3.0354998	20	6 8.1	21.6
397360 2006 UZ_{124}	17.5	X	16.11712	255.77591	217.58797	23.99167	0.2974626	0.30356253	2.1926565	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
397361 2006 UL_{129}	17.0	X	5.03285	318.12898	22.60902	4.61242	0.0764929	0.20878750	2.8140580	20	10 12.3	20.4
397362 2006 UA_{141}	16.2	X	45.89061	20.13233	243.24957	11.00852	0.0043362	0.19735355	2.9217256	20	8 13.0	20.5
397363 2006 UW_{156}	16.4	X	19.87458	307.18732	42.76538	12.47691	0.1090700	0.21503462	2.7592886	20	11 19.1	19.8
397364 2006 UE_{176}	17.3	X	29.51876	254.02221	107.55453	4.81043	0.2303502	0.22044796	2.7139301	20	—	—
397365 2006 UG_{182}	16.5	X	87.27716	196.75250	196.56101	14.16867	0.2179646	0.23392773	2.6086446	20	1 9.9	19.8
397366 2006 UX_{201}	16.6	X	16.72951	308.44362	61.66135	12.33398	0.2271675	0.22084044	2.7107137	20	12 31.4	20.1
397367 2006 UU_{204}	17.0	X	350.25253	146.32676	241.71974	6.88840	0.2749619	0.21327618	2.7744345	20	12 15.5	19.6
397368 2006 UN_{210}	15.9	X	90.13544	244.00310	267.50156	7.93875	0.0414405	0.18280861	3.0747157	20	5 26.2	20.2
397369 2006 UD_{224}	17.1	X	75.61374	195.98208	139.54765	4.83191	0.2557864	0.22648693	2.6654709	20	—	—
397370 2006 UB_{242}	17.5	X	137.23245	104.05075	215.01174	1.70648	0.2030007	0.23541203	2.5976678	20	—	—
397371 2006 UX_{247}	17.6	X	64.97063	19.40200	299.84683	0.82733	0.2398021	0.22043998	2.7139956	20	12 24.2	21.9
397372 2006 UD_{263}	16.3	X	131.90752	81.61950	270.33670	15.74705	0.3458348	0.23696481	2.5863074	20	1 24.8	20.7
397373 2006 UX_{270}	16.5	X	60.08241	265.97788	49.86578	8.15591	0.1876411	0.21508794	2.7588325	20	12 8.1	20.5
397374 2006 UD_{276}	17.2	X	342.54033	161.65937	196.62598	3.94054	0.0842853	0.20836525	2.8178586	20	9 30.7	20.5
397375 2006 UL_{328}	16.4	X	30.17491	82.98161	241.94283	9.16642	0.2065160	0.20996512	2.8035261	20	11 15.9	20.0
397376 2006 UQ_{335}	16.1	X	234.54444	290.74940	234.86071	13.51444	0.0302816	0.21454431	2.7634909	20	12 9.9	19.9
397377 2006 UW_{337}	15.8	X	67.26076	251.06153	63.64913	15.76950	0.1788702	0.21749610	2.7384306	20	12 13.1	20.0
397378 2006 UJ_{338}	15.9	X	292.07153	223.27064	56.35148	10.24574	0.0742323	0.17861720	3.1226300	20	4 6.5	20.3
397379 2006 UO_{358}	17.3	X	313.72055	353.17060	26.61328	2.29626	0.0795364	0.20450749	2.8531848	20	9 14.3	20.8
397380 2006 UV_{359}	16.6	X	86.64068	55.02976	205.48897	13.21481	0.1614011	0.21106366	2.7937898	20	10 27.0	20.9
397381 2006 UA_{361}	15.7	X	225.40554	285.35728	66.66112	12.51142	0.1225164	0.18330395	3.0691740	20	4 15.5	20.6
397382 2006 VU_{3}	16.9	X	205.70990	224.67018	204.68370	8.42524	0.1110131	0.19136245	2.9823932	20	6 25.0	21.6
397383 2006 VU_{44}	15.8	X	292.58617	272.07461	55.79445	16.67930	0.1190139	0.19069607	2.9893370	20	5 26.4	19.8
397384 2006 VM_{53}	16.6	X	327.58727	15.44824	282.83902	6.38985	0.0048110	0.18777388	3.0202711	20	6 20.8	20.6
397385 2006 VC_{54}	16.6	X	162.03528	78.78901	39.65901	11.82438	0.0546489	0.18895555	3.0076661	20	7 13.2	21.2
397386 2006 VC_{56}	16.4	X	261.55394	320.52522	66.42907	11.69167	0.0768484	0.19237421	2.9719271	20	7 9.9	20.7
397387 2006 VA_{61}	16.3	X	204.94527	192.38621	246.48694	9.33090	0.1594750	0.18877536	3.0095796	20	7 2.9	21.2
397388 2006 VE_{67}	16.2	X	302.91217	113.38384	244.15787	10.86239	0.0754300	0.19427832	2.9524768	20	7 24.5	20.2
397389 2006 VF_{67}	16.2	X	125.32161	231.05214	245.15369	10.17417	0.0738212	0.17957311	3.1115385	20	5 28.9	20.8
397390 2006 VV_{76}	16.5	X	316.28047	308.23620	63.75027	15.92958	0.1526936	0.20278283	2.8693395	20	9 10.6	20.1
397391 2006 VA_{97}	16.9	X	144.76940	56.80995	241.22202	3.79900	0.1409534	0.23207723	2.6224932	20	—	—
397392 2006 VA_{100}	16.3	X	2.25999	312.03786	55.21244	16.55588	0.1407747	0.21289165	2.7777743	20	11 19.9	19.4
397393 2006 VO_{105}	16.5	X	26.05935	294.00762	50.89214	10.85251	0.1454199	0.21260629	2.7802593	20	11 26.6	20.1
397394 2006 VE_{106}	16.3	X	322.25904	306.57813	87.99563	13.47044	0.2126833	0.20910675	2.8111931	20	10 20.8	19.2
397395 2006 VT_{116}	17.5	X	63.41586	86.61119	243.02330	12.71337	0.2359954	0.21876955	2.7277934	20	—	—
397396 2006 VU_{136}	17.1	X	155.22925	180.69655	290.27407	0.26895	0.1212034	0.18393770	3.0621200	20	6 26.7	21.9
397397 2006 WN_{16}	16.6	X	68.30940	117.94961	262.87171	8.60770	0.1175341	0.22589632	2.6701149	20	—	—
397398 2006 WS_{33}	16.3	X	110.44407	201.38415	86.81346	7.19964	0.0122706	0.21476327	2.7616123	20	12 13.4	20.1
397399 2006 WV_{66}	16.6	X	189.03224	247.72338	187.26914	4.48645	0.1103958	0.18445767	3.0563628	20	6 15.7	21.4
397400 2006 WD_{72}	16.8	X	304.61082	66.05702	303.33050	0.89196	0.0880658	0.19914416	2.9041853	20	8 14.4	20.4
397401 2006 WF_{82}	17.1	X	307.35004	203.56152	169.91826	2.13006	0.0906329	0.19819039	2.9134953	20	8 23.6	20.7
397402 2006 WY_{102}	16.6	X	344.94781	62.83500	243.64469	8.64548	0.0583510	0.19175233	2.9783492	20	7 21.4	20.5
397403 2006 WL_{108}	16.7	X	210.71963	333.59100	73.38728	10.85050	0.1023058	0.18407422	3.0606058	20	6 3.2	21.3
397404 2006 WL_{150}	15.9	X	169.75777	299.73690	97.40401	13.80430	0.2054252	0.17386717	3.1792474	20	4 20.9	21.5
397405 2006 WS_{166}	16.8	X	13.48450	255.41169	68.17241	11.39384	0.0480511	0.20174262	2.8791941	20	10 3.9	20.7
397406 2006 WK_{175}	16.5	X	356.79141	229.61347	80.61072	10.67199	0.0478782	0.19431120	2.9521437	20	8 19.9	20.5
397407 2006 WC_{184}	15.9	X	357.47761	286.50968	82.50805	19.08726	0.1465853	0.21020177	2.8014216	20	11 19.3	19.2
397408 2006 WL_{199}	16.3	X	86.73730	285.18793	249.39718	13.43723	0.2010245	0.17909044	3.1171267	20	7 10.7	21.0
397409 2006 XB_{24}	16.2	X	77.73292	265.28485	71.27190	18.31328	0.2904252	0.22506246	2.6767060	20	—	—
397410 2006 XJ_{35}	15.4	X	199.53945	327.64695	98.08061	23.51460	0.0092737	0.18023944	3.1038651	20	6 20.5	19.7
397411 2006 XV_{52}	16.1	X	194.11206	350.76192	94.96063	11.77753	0.1931985	0.18346465	3.0673814	20	7 1.1	21.1
397412 2006 YQ_{3}	15.9	X	87.24112	55.03267	69.83926	17.71761	0.0924859	0.17389587	3.1788975	20	5 2.2	20.5
397413 2006 YN_{25}	15.9	X	276.23068	267.45225	90.36065	12.61752	0.1267695	0.18420922	3.0591103	20	6 13.0	20.1
397414 2006 YK_{27}	16.1	X	48.04127	119.70870	97.31218	18.21443	0.1453279	0.17682077	3.1437442	20	7 8.9	20.2
397415 2006 YA_{33}	16.2	X	97.46194	75.09376	85.58652	10.75402	0.0299012	0.17621143	3.1509874	20	6 15.1	20.6
397416 2006 YR_{36}	16.8	X	156.66814	26.30497	71.91446	5.75537	0.1297969	0.17637100	3.1490866	20	6 12.4	21.7
397417 2006 YZ_{36}	15.8	X	62.76014	255.76092	312.21037	12.08303	0.2413919	0.17334090	3.1856790	20	8 1.8	20.1
397418 2006 YG_{40}	16.1	X	214.96508	340.37844	100.65140	11.81799	0.0767788	0.18744105	3.0238453	20	7 23.4	20.6
397419 2006 YU_{42}	15.7	X	26.18253	280.09195	110.67351	25.36596	0.1949522	0.21240225	2.7820396	20	—	—
397420 2006 YC_{50}	18.0	X	87.28169	310.49212	122.20934	1.37113	0.1621390	0.30556542	2.1830646	20	2 13.8	19.8
397421 2007 AO_{3}	15.5	X	132.91257	184.40184	296.98096	10.16198	0.0255745	0.17652348	3.1472729	20	6 8.3	20.1
397422 2007 AB_{17}	16.0	X	179.78652	357.80901	108.91895	10.99880	0.1100190	0.18195901	3.0842791	20	7 15.7	20.8
397423 2007 AW_{30}	15.9	X	29.91785	102.84184	116.16157	17.35666	0.1417647	0.17091533	3.2157483	20	6 14.1	20.0
397424 2007 BF_{2}	17.6	X	354.87819	196.41374	317.35818	18.36548	0.0946873	0.37225207	1.9138650	20	—	—
397425 2007 BU_{4}	16.2	X	166.04591	335.69003	110.16090	18.38438	0.1853008	0.17660260	3.1463327	20	6 10.2	21.6
397426 2007 BB_{16}	16.2	X	201.70626	101.46009	318.98073	8.91058	0.0522454	0.17613185	3.1519364	20	6 12.8	20.9
397427 2007 BK_{16}	15.6	X	340.12470	140.82578	121.92732	15.33744	0.1009902	0.16957569	3.2326622	20	5 21.1	19.9
397428 2007 BZ_{42}	18.0	X	45.36964	180.59599	313.02932	3.16103	0.0626865	0.30596215	2.1811770	20	2 18.7	20.1
397429 2007 BM_{80}	16.2	X	163.72529	326.65068	122.47976	10.26474	0.0402861	0.17290919	3.1909794	20	6 7.0	21.0
397430 2007 CA_{26}	15.7	X	214.03418	312.62333	105.72145	10.95867	0.0767995	0.17736494	3.1373107	20	6 22.9	20.3
397431 2007 CB_{28}	16.4	X	12.94469	204.74277	323.40754	13.23932	0.0179576	0.22995287	2.6386199	20	2 26.7	19.9
397432 2007 CF_{39}	16.0	X	201.55714	293.67632	145.13517	10.80547	0.0255017	0.17777240	3.1325150	20	7 7.3	20.6
397433 2007 CG_{79}	15.4	X	99.18146	156.47454	35.03594	15.80481	0.2092916	0.17470928	3.1690231	20	8 24.5	20.7
397434 2007 DE_{35}	18.0	X	283.52667	265.45593	346.46319	4.52639	0.0720564	0.29761359	2.2217791	20	2 3.6	20.6
397435 2007 DJ_{46}	15.9	X	232.83932	280.78990	122.83902	15.21876	0.1104016	0.18266179	3.0763630	20	6 22.9	20.6
397436 2007 DV_{49}	15.6	X	247.74821	262.71206	133.08012	9.03938	0.0669280	0.17741379	3.1367347	20	7 4.1	20.1
397437 2007 DL_{61}	16.9	X	244.67749	190.71792	22.03313	25.82198	0.1747398	0.28128910	2.3069284	20	—	—
397438 2007 DJ_{79}	16.4	X	199.52329	273.24855	153.67346	10.68863	0.0700219	0.17262180	3.1945200	20	6 18.4	21.4
397439 2007 DK_{85}	17.8	X	322.01769	164.24696	128.24400	4.85534	0.1804574	0.31250195	2.1506392	20	5 14.6	19.4
397440 2007 DV_{90}	16.3	X	109.19481	123.96881	96.45823	2.32168	0.1231224	0.18178862	3.0862061	20	9 24.4	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
397441 2007 EH_1	16.7	X	333.00164	306.89574	229.02429	24.05322	0.2627295	0.29297087	2.2451900	20	—	—
397442 2007 EL_1	18.3	X	273.76202	22.75883	155.90247	5.89613	0.1750152	0.28361310	2.2943087	20	—	—
397443 2007 EB_9	18.1	X	230.83352	214.49822	9.30198	4.76652	0.0890470	0.27909022	2.3190296	20	—	—
397444 2007 EB_{29}	16.3	X	179.53738	303.91586	147.85094	11.00436	0.0460331	0.17419645	3.1752397	20	6 27.3	21.1
397445 2007 ED_{47}	17.5	X	290.64350	203.61024	8.40485	6.62288	0.0486556	0.28838936	2.2689063	20	—	—
397446 2007 EL_{76}	15.8	X	231.60613	77.12854	357.00988	9.73896	0.0239269	0.17385198	3.1794325	20	8 10.8	20.4
397447 2007 EC_{98}	18.0	X	299.52522	168.99995	14.97124	1.80821	0.1153120	0.28735498	2.2743479	20	—	—
397448 2007 EF_{123}	17.7	X	271.42803	204.05689	56.54762	4.28459	0.1483703	0.29469700	2.2364142	20	1 23.7	20.8
397449 2007 EX_{145}	17.9	X	241.79914	213.12606	63.23430	2.56124	0.1890470	0.29038478	2.2585003	20	1 12.5	21.3
397450 2007 ES_{149}	16.3	X	266.91192	26.58915	17.69743	10.69556	0.1140998	0.17887188	3.1196652	20	8 5.6	20.8
397451 2007 EA_{189}	15.8	X	276.76709	173.39857	181.33684	12.31550	0.0844067	0.16992153	3.2282744	20	6 15.8	20.5
397452 2007 EB_{197}	18.3	X	275.56665	48.53890	201.66022	5.02303	0.1835787	0.28960408	2.2625573	20	1 10.1	21.8
397453 2007 FA_{12}	18.2	X	2.41702	298.93827	208.82078	1.21739	0.1438173	0.29448603	2.2374822	20	—	—
397454 2007 FJ_{12}	17.4	X	232.20328	197.94517	21.59050	5.53120	0.1761366	0.27671073	2.3323052	20	—	—
397455 2007 FW_{31}	17.9	X	288.36431	257.19075	12.30763	5.72476	0.1407600	0.29645215	2.2275783	20	2 25.2	20.7
397456 2007 GE_6	17.7	X	283.86162	26.08696	210.78194	5.40365	0.1633597	0.28893894	2.2660283	20	1 3.8	20.9
397457 2007 GR_{11}	17.3	X	146.59197	302.68783	88.43279	6.61369	0.0818099	0.29898126	2.2149983	20	3 1.1	20.2
397458 2007 GB_{61}	18.1	X	295.03130	203.56644	350.25663	2.41460	0.1319670	0.28368240	2.2939351	20	—	—
397459 2007 GS_{61}	17.7	X	214.27078	152.25260	102.34395	3.18057	0.1954469	0.27749713	2.3278968	20	—	—
397460 2007 HU_{12}	15.4	X	116.50415	348.53275	199.66999	27.80578	0.1505672	0.17210855	3.2008679	20	8 18.5	20.9
397461 2007 HY_{27}	18.0	X	169.66671	223.63304	59.90932	4.73773	0.2055377	0.26951629	2.3736282	20	—	—
397462 2007 HY_{35}	17.3	X	75.34957	15.80582	50.05952	5.99373	0.0596451	0.28400540	2.2921955	20	1 5.0	19.8
397463 2007 HC_{50}	17.4	X	298.18060	120.52337	89.30314	5.19033	0.1162643	0.28596474	2.2817132	20	—	—
397464 2007 HU_{52}	17.4	X	181.26811	230.97420	77.62724	8.15694	0.1299234	0.27784260	2.3259667	20	—	—
397465 2007 HW_{60}	18.1	X	208.50038	232.66858	51.87733	8.00894	0.0753223	0.28173423	2.3044978	20	—	—
397466 2007 HL_{66}	18.1	X	260.87927	88.76813	171.62012	5.16542	0.2383329	0.28452893	2.2893829	20	1 6.6	21.9
397467 2007 HX_{66}	17.9	X	220.73085	133.56849	143.89657	5.97436	0.1980819	0.27875131	2.3209089	20	—	—
397468 2007 HS_{73}	18.2	X	255.93495	259.22269	46.56462	7.19237	0.2144162	0.29226810	2.2487876	20	3 3.2	21.7
397469 2007 HR_{83}	17.6	X	326.10239	308.69952	218.01168	4.95435	0.1280185	0.28459620	2.2890221	20	—	—
397470 2007 JN_{28}	17.4	X	253.68284	122.51006	125.31001	8.25566	0.2090844	0.28191195	2.3035292	20	—	—
397471 2007 LV	18.1	X	160.88036	262.06314	70.29482	16.99687	0.2707606	0.42111605	1.7627938	20	—	—
397472 2007 MV_9	17.1	X	132.51163	178.40526	187.62649	3.40647	0.3185896	0.26596768	2.3946946	20	2 8.7	20.9
397473 2007 OB_2	17.2	X	116.49681	191.32090	147.43531	3.70406	0.3879975	0.25583047	2.4575435	20	1 1.5	20.7
397474 2007 PP_6	17.3	X	332.58588	13.00394	77.14761	18.54239	0.8352303	0.30911898	2.1663017	20	—	—
397475 2007 PK_{21}	17.4	X	113.17575	231.48052	136.52849	2.82588	0.2283540	0.26086474	2.4258231	20	1 11.8	20.5
397476 2007 PP_{26}	17.4	X	176.52357	25.18948	292.71332	4.14413	0.2456063	0.26767628	2.3844934	20	1 12.9	21.2
397477 2007 PW_{34}	17.5	X	174.36557	138.74566	172.23361	1.25738	0.1995889	0.26557708	2.3970421	20	—	—
397478 2007 PT_{45}	17.7	X	183.32059	148.83319	150.55376	1.67322	0.1874356	0.26559499	2.3969343	20	—	—
397479 2007 QC_2	17.3	X	139.40897	234.06835	118.24212	3.90241	0.1997093	0.26634929	2.3924068	20	1 17.4	20.7
397480 2007 QK_4	17.7	X	118.83414	200.66888	160.53357	6.18874	0.2217744	0.26027079	2.4295123	20	1 8.7	20.9
397481 2007 QA_6	18.0	X	147.57682	175.89646	170.70708	2.10472	0.2297512	0.26518421	2.3994089	20	1 21.4	21.7
397482 2007 QD_{11}	17.9	X	126.59959	341.81518	12.11473	1.72105	0.2134270	0.26024357	2.4296817	20	1 8.3	21.2
397483 2007 RB_{20}	16.6	X	50.79232	175.36243	145.51880	18.61195	0.3029253	0.23882796	2.5728390	20	12 24.5	21.0
397484 2007 RY_{20}	17.5	X	168.51436	182.77271	140.17397	3.05504	0.2027278	0.26586471	2.3953129	20	1 9.4	21.3
397485 2007 RT_{33}	17.4	X	172.46925	177.23622	187.57576	10.80426	0.1856253	0.26873710	2.3782142	20	3 1.1	21.3
397486 2007 RD_{37}	16.2	X	37.75751	290.88326	4.18995	27.19021	0.2297055	0.23124453	2.6287850	20	10 17.1	19.9
397487 2007 RO_{49}	17.9	X	202.10421	157.11080	189.47138	1.91614	0.2203297	0.27398018	2.3477758	20	3 5.6	21.8
397488 2007 RF_{85}	16.9	X	338.78986	258.09221	163.91453	21.50946	0.0751833	0.24262101	2.5459534	20	12 28.9	20.4
397489 2007 RJ_{85}	16.0	X	71.41701	199.26607	162.33431	6.83366	0.1756935	0.17308208	3.1888541	20	—	—
397490 2007 RH_{108}	17.5	X	133.84973	315.03448	353.29625	6.16042	0.1363315	0.25268988	2.4778641	20	—	—
397491 2007 RS_{131}	17.6	X	354.58651	245.40033	126.41002	2.19979	0.0525934	0.23242839	2.6198510	20	11 10.8	20.7
397492 2007 RS_{138}	17.8	X	190.43276	147.38433	213.00175	2.11041	0.1858180	0.27454365	2.3445623	20	3 12.2	21.4
397493 2007 RE_{149}	16.9	X	193.17628	318.47680	347.56751	10.16524	0.1323553	0.26401995	2.4064576	20	1 9.8	20.7
397494 2007 RJ_{169}	17.5	X	304.60743	265.69118	154.96822	8.42668	0.1018518	0.23285782	2.6166291	20	11 1.3	20.5
397495 2007 RA_{174}	17.3	X	353.29519	281.23364	138.51515	4.96445	0.1774930	0.23965379	2.5669250	20	—	—
397496 2007 RF_{270}	16.8	X	235.10443	166.34314	229.78450	1.20742	0.0737169	0.20231937	2.8737197	20	6 19.4	21.0
397497 2007 RG_{282}	17.9	X	94.71560	120.25593	171.33820	22.26581	0.0529387	0.39352088	1.8442687	20	—	—
397498 2007 RM_{285}	19.0	X	125.70513	153.23860	192.75817	1.18730	0.2105109	0.25721812	2.4486968	20	—	—
397499 2007 RR_{298}	17.0	X	234.92757	230.19490	210.67959	8.59908	0.1957312	0.21212829	2.7844344	20	7 30.9	21.4
397500 2007 RB_{312}	17.1	X	42.89076	197.57229	173.19053	12.13809	0.1605336	0.24035336	2.5619418	20	—	—
397501 2007 RR_{314}	17.1	X	174.02872	245.29367	45.89595	6.36795	0.1302170	0.25978823	2.4325199	20	—	—
397502 2007 RM_{315}	17.6	X	109.08955	226.38504	102.65103	1.24678	0.2249536	0.25195966	2.4826493	20	—	—
397503 2007 RR_{316}	17.6	X	177.75675	266.34289	22.49370	1.66071	0.1728163	0.25796256	2.4439835	20	—	—
397504 2007 RE_{318}	17.2	X	195.69092	64.88284	279.33074	4.64191	0.1906102	0.27334339	2.3514207	20	2 24.6	21.0
397505 2007 RL_{323}	17.5	X	177.55706	181.01384	117.63080	5.05336	0.2218177	0.26360365	2.4089906	20	—	—
397506 2007 RP_{323}	16.7	X	203.91743	197.15816	45.44954	11.13078	0.0613039	0.24388254	2.5371662	20	—	—
397507 2007 SH_7	17.4	X	162.59879	262.13702	120.35283	1.99739	0.2002485	0.27015472	2.3698872	20	3 17.7	21.1
397508 2007 SM_7	17.6	X	181.20969	311.87099	39.88901	2.53900	0.2227243	0.26986390	2.3715895	20	2 26.1	21.5
397509 2007 SX_{18}	17.0	X	148.04838	49.18169	218.07157	14.00794	0.0662761	0.23705795	2.5856299	20	—	—
397510 2007 TB	17.9	X	118.81602	331.22524	1.07699	1.56230	0.1546311	0.25431113	2.4673218	20	—	—
397511 2007 TN_{21}	18.0	X	335.41804	142.77027	210.29799	20.44852	0.1164556	0.37917303	1.8905047	20	10 25.9	18.9
397512 2007 TB_{24}	16.8	X	255.96408	69.80356	13.99955	6.29364	0.0958299	0.22396183	2.6854684	20	9 17.0	20.4
397513 2007 TV_{35}	16.5	X	8.53952	154.29233	206.64877	13.33555	0.2391934	0.23075313	2.6325157	20	12 12.3	19.7
397514 2007 TG_{46}	17.9	X	4.17354	342.97436	38.05950	22.25570	0.1347035	0.38856724	1.8599100	20	—	—
397515 2007 TV_{47}	17.5	X	102.65914	12.28959	298.68333	2.06969	0.0685304	0.24170995	2.5523468	20	—	—
397516 2007 TR_{52}	17.2	X	157.03844	59.10652	212.17982	14.44825	0.0880543	0.24392658	2.5368607	20	—	—
397517 2007 TK_{62}	17.6	X	10.07812	4.58206	16.24840	3.77478	0.0372380	0.23458193	2.6037923	20	12 11.8	20.9
397518 2007 TS_{75}	18.3	X	150.01145	324.83484	350.92506	0.89883	0.1808872	0.25758948	2.4463427	20	—	—
397519 2007 TN_{83}	17.9	X	113.44216	319.66323	24.41654	2.37430	0.1924516	0.25394967	2.4696625	20	—	—
397520 2007 TT_{87}	16.4	X	316.62761	40.54122	43.01531	22.78117	0.0286710	0.23453360	2.6041500	20	12 15.7	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
397521 2007 TQ_{104}	17.4	X	72.47006	177.01646	146.69607	2.62881	0.1805806	0.23749436	2.5824614	20	—	—
397522 2007 TZ_{116}	17.4	X	201.59092	102.28389	234.39890	3.06667	0.0975031	0.27022676	2.3694660	20	2 20.4	21.0
397523 2007 TH_{124}	17.2	X	237.38069	63.06625	41.62076	9.47098	0.1504947	0.22051003	2.7134208	20	9 15.8	21.2
397524 2007 TN_{127}	17.6	X	173.14717	152.73844	196.46827	6.06715	0.1314263	0.26427587	2.4049038	20	2 8.6	21.3
397525 2007 TK_{174}	17.7	X	102.04845	162.31017	196.64538	7.69097	0.1536695	0.25372805	2.4711004	20	—	—
397526 2007 TN_{174}	17.5	X	187.51825	202.07712	157.60993	2.67192	0.1998615	0.27203382	2.3589611	20	3 10.3	21.4
397527 2007 TX_{174}	17.6	X	197.15721	112.06520	225.27029	2.22046	0.2641478	0.27037173	2.3686189	20	2 19.9	21.9
397528 2007 TF_{187}	17.9	X	140.26685	284.44582	47.99385	9.43661	0.2619477	0.25767351	2.4458109	20	1 2.2	21.7
397529 2007 TX_{193}	17.8	X	169.62380	97.75014	228.75454	2.15568	0.2903547	0.26413202	2.4057769	20	1 20.2	22.0
397530 2007 TA_{197}	18.2	X	144.93683	156.07862	160.71726	1.39541	0.1984247	0.25887268	2.4382519	20	—	—
397531 2007 TB_{204}	16.7	X	137.31776	344.89682	215.92132	12.44925	0.1226906	0.21816089	2.7328646	20	9 28.9	21.0
397532 2007 TL_{212}	16.5	X	294.69429	27.35437	337.28179	5.58512	0.0239989	0.21335325	2.7737664	20	8 4.0	20.1
397533 2007 TD_{217}	17.2	X	39.49269	121.52662	240.18838	5.33398	0.1394102	0.23625918	2.5914545	20	—	—
397534 2007 TC_{223}	16.8	X	21.39174	200.11566	195.08922	15.01924	0.1031674	0.23998943	2.5645311	20	—	—
397535 2007 TF_{246}	17.8	X	323.84695	117.32110	300.37672	2.75963	0.0710285	0.23159892	2.6261026	20	11 25.3	21.0
397536 2007 TV_{255}	16.5	X	190.00329	102.68095	4.85397	6.41883	0.0524150	0.21261609	2.7801739	20	8 2.6	20.5
397537 2007 TD_{261}	17.1	X	208.81394	68.51109	55.52807	5.83761	0.1173446	0.21737992	2.7394062	20	9 10.6	21.2
397538 2007 TH_{266}	18.3	X	125.09325	165.60947	162.67730	1.37119	0.2104237	0.25632015	2.4544125	20	—	—
397539 2007 TN_{286}	16.2	X	238.64293	171.72795	343.67039	9.45487	0.1101558	0.24484740	2.5304964	20	11 25.2	19.7
397540 2007 TP_{288}	17.3	X	151.50151	316.56599	47.86505	7.32283	0.1474933	0.26448961	2.4036080	20	2 12.0	20.9
397541 2007 TW_{288}	16.9	X	302.32258	269.28984	148.39800	13.21806	0.2696072	0.22666009	2.6641132	20	10 3.6	19.3
397542 2007 TU_{300}	16.5	X	187.78754	159.66547	358.08128	3.24116	0.1607329	0.21959225	2.7209760	20	9 25.4	20.9
397543 2007 TV_{302}	17.6	X	94.56397	326.74888	15.48214	1.79533	0.1072944	0.24541507	2.5265926	20	—	—
397544 2007 TE_{312}	18.3	X	128.95160	270.88982	73.12191	3.50624	0.2121528	0.25623493	2.4549566	20	—	—
397545 2007 TA_{318}	16.7	X	191.60302	272.44672	222.23807	7.90538	0.1167187	0.21416561	2.7667477	20	8 30.3	21.1
397546 2007 TL_{319}	17.1	X	33.20882	181.01087	207.92475	8.56622	0.1653963	0.23940927	2.5686726	20	—	—
397547 2007 TP_{327}	16.9	X	109.68528	18.96679	253.36097	7.44745	0.1111756	0.23391750	2.6087206	20	12 2.5	20.8
397548 2007 TS_{333}	17.6	X	328.77543	168.75075	236.42354	4.75769	0.1428853	0.22826461	2.6516142	20	11 17.8	20.0
397549 2007 TG_{334}	17.2	X	117.42629	54.53795	237.54381	5.75168	0.0988424	0.23775169	2.5805977	20	—	—
397550 2007 TH_{334}	17.4	X	89.25502	315.91406	358.55774	3.04811	0.1622806	0.23824333	2.5770462	20	—	—
397551 2007 TY_{360}	17.0	X	50.61886	165.74230	184.61257	9.59619	0.1425622	0.23530753	2.5984368	20	—	—
397552 2007 TN_{367}	16.4	X	313.30576	320.77900	80.23888	13.11248	0.1609183	0.22472130	2.6794144	20	10 18.3	19.4
397553 2007 TS_{373}	16.3	X	357.90622	327.60288	79.38437	15.69930	0.0738382	0.23523474	2.5989729	20	—	—
397554 2007 TJ_{376}	17.4	X	11.67355	78.55412	238.83484	19.09559	0.0696670	0.37667906	1.8988401	20	10 22.0	19.2
397555 2007 TH_{383}	16.8	X	46.75890	318.30480	42.05337	12.83846	0.1338288	0.23749472	2.5824589	20	—	—
397556 2007 TL_{385}	16.8	X	182.23194	34.05198	201.64705	12.96156	0.0959196	0.24323542	2.5416642	20	—	—
397557 2007 TG_{388}	17.5	X	51.29927	192.45266	154.80354	3.04765	0.0245475	0.23954421	2.5677078	20	12 22.2	20.9
397558 2007 TP_{389}	16.2	X	263.92539	33.55862	33.56204	15.51777	0.1117688	0.22119859	2.7077869	20	9 9.7	20.0
397559 2007 TT_{422}	16.7	X	87.84649	212.34128	59.03463	12.75213	0.1623272	0.22630620	2.6668899	20	11 13.2	20.8
397560 2007 TU_{426}	16.7	X	22.88355	232.52278	30.59486	16.12429	0.0876933	0.20979880	2.8050076	20	8 2.9	20.5
397561 2007 TN_{431}	17.3	X	95.18481	261.58664	53.41856	15.41578	0.1564388	0.23814296	2.5777703	20	—	—
397562 2007 TV_{438}	17.4	X	25.18127	292.83850	86.03548	6.06004	0.1178532	0.23699872	2.5860607	20	—	—
397563 2007 TB_{445}	16.6	X	104.34216	93.53725	197.14380	21.59273	0.0299661	0.24025082	2.5626707	20	12 15.5	20.6
397564 2007 UJ_{9}	17.1	X	208.48615	192.77150	177.97812	9.89566	0.1022390	0.27690079	2.3312378	20	4 14.7	20.4
397565 2007 UM_{10}	17.0	X	64.88306	278.51700	84.18614	12.22773	0.2262546	0.24607118	2.5220995	20	—	—
397566 2007 UP_{13}	16.5	X	16.40515	263.19395	129.36534	14.31280	0.1892393	0.23576997	2.5950380	20	—	—
397567 2007 UA_{14}	17.5	X	64.01050	281.24206	56.44204	3.85044	0.1697013	0.24212023	2.5494627	20	—	—
397568 2007 UT_{32}	17.9	X	87.74694	261.67196	62.40370	23.25414	0.0356554	0.39235883	1.8479084	20	—	—
397569 2007 UZ_{32}	16.2	X	28.90191	171.20420	220.00451	13.06753	0.1594879	0.23732774	2.5836701	20	—	—
397570 2007 UN_{51}	17.8	X	304.26291	347.46245	50.25830	22.91173	0.1051550	0.37942937	1.8896531	20	11 7.6	18.5
397571 2007 UG_{53}	17.6	X	204.86816	129.86019	161.79238	0.72322	0.1721847	0.25964821	2.4333944	20	1 2.9	21.3
397572 2007 UJ_{65}	16.7	X	89.95680	252.96923	38.74565	13.61794	0.1606412	0.23261905	2.6184194	20	12 7.7	20.9
397573 2007 UK_{86}	17.7	X	77.40212	117.65976	222.36830	13.59051	0.1398661	0.23979055	2.5659489	20	—	—
397574 2007 UM_{89}	18.1	X	119.74412	123.50940	221.18307	1.78012	0.2327899	0.25191588	2.4829369	20	—	—
397575 2007 UX_{101}	17.1	X	251.16862	236.21757	231.20759	7.44286	0.1404944	0.22021699	2.7158274	20	9 30.6	20.8
397576 2007 UO_{112}	17.8	X	159.04783	99.72760	202.23109	1.26138	0.1818429	0.25332103	2.4737466	20	—	—
397577 2007 UZ_{119}	17.7	X	90.21761	73.94801	204.53895	12.86722	0.1813128	0.23538515	2.5978656	20	11 27.1	21.9
397578 2007 UB_{123}	17.7	X	186.43167	197.68435	186.04224	4.30319	0.2377207	0.27989961	2.3145568	20	4 8.5	21.6
397579 2007 UU_{126}	17.2	X	347.61045	174.53648	220.83138	1.37197	0.0760177	0.22911383	2.6450579	20	12 2.3	20.3
397580 2007 UK_{127}	16.8	X	66.04289	181.11440	190.40093	4.88816	0.1544359	0.24141145	2.5544504	20	—	—
397581 2007 US_{127}	17.9	X	226.44288	338.54619	2.52166	1.31936	0.1107284	0.27245439	2.3565329	20	3 24.2	21.1
397582 2007 US_{131}	17.3	X	191.27221	208.99811	160.46974	6.77969	0.1485446	0.26960467	2.3731095	20	3 26.1	20.9
397583 2007 UR_{140}	17.4	X	65.72951	232.01971	154.61807	6.34485	0.2980123	0.24588858	2.5233480	20	—	—
397584 2007 UU_{141}	16.6	X	105.84356	291.82736	21.48577	7.45503	0.1230151	0.23955373	2.5676397	20	—	—
397585 2007 VX_{4}	17.3	X	336.27981	333.68358	52.25983	8.06054	0.0121050	0.22723798	2.6595946	20	10 31.5	20.7
397586 2007 VF_{5}	16.5	X	267.38202	189.61309	240.76837	9.18980	0.1239775	0.22115404	2.7081505	20	9 3.7	20.3
397587 2007 VB_{7}	17.4	X	220.78690	82.01844	288.68788	3.97578	0.2420001	0.27845185	2.3225727	20	4 17.2	21.4
397588 2007 VS_{7}	17.5	X	193.73975	181.23044	177.14955	6.48418	0.2365356	0.27151130	2.3619867	20	3 13.9	21.4
397589 2007 VV_{8}	17.9	X	270.99237	181.42403	238.53339	16.91174	0.0477501	0.37436444	1.9066588	20	10 3.2	19.9
397590 2007 VU_{29}	17.2	X	53.29184	293.04550	60.76167	18.35540	0.1963674	0.23781205	2.5801610	20	—	—
397591 2007 VE_{45}	16.5	X	355.40810	159.32485	244.82567	11.07709	0.0890924	0.23431465	2.6057720	20	12 27.5	19.7
397592 2007 VF_{46}	16.4	X	208.45362	205.93398	252.01222	8.58544	0.1872113	0.20978670	2.8051155	20	7 27.6	21.1
397593 2007 VG_{46}	16.9	X	19.75319	63.52175	309.25840	3.89998	0.1590461	0.23431847	2.6057437	20	—	—
397594 2007 VP_{52}	16.4	X	340.81787	349.34909	61.39243	16.96465	0.1143588	0.23099807	2.6306545	20	12 14.4	19.5
397595 2007 VS_{54}	17.3	X	264.34581	235.67990	212.78858	7.70363	0.2888684	0.21901544	2.7257513	20	8 30.6	21.1
397596 2007 VC_{63}	17.0	X	84.13874	291.18227	57.92362	10.38008	0.1896030	0.24219661	2.5489267	20	—	—
397597 2007 VJ_{71}	18.1	X	243.31495	275.88790	248.86061	14.80944	0.0894191	0.38880381	1.8591555	20	—	—
397598 2007 VU_{71}	17.6	X	19.81605	74.73842	229.69304	19.71592	0.0943201	0.37481345	1.9051358	20	10 19.5	19.3
397599 2007 VY_{83}	17.2	X	45.61340	322.41925	63.59443	5.99785	0.2038951	0.24101813	2.5572287	20	—	—
397600 2007 VQ_{86}	16.1	X	311.88109	213.05826	235.22545	21.19808	0.0402464	0.23442516	2.6049531	20	12 17.4	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
397601 2007 VP_{95}	17.5	X	297.41556	291.05392	46.49232	21.26230	0.1049071	0.36304580	1.9460848	20	6 21.3	19.5
397602 2007 VZ_{95}	17.6	X	80.51334	354.62386	0.47711	2.15499	0.2192375	0.24463946	2.5319301	20	—	—
397603 2007 VN_{125}	16.9	X	4.69718	104.73104	255.85507	4.97127	0.1602362	0.22883697	2.6471909	20	11 22.2	19.8
397604 2007 VC_{128}	17.0	X	140.23841	205.86951	26.88609	7.40931	0.0919684	0.23177235	2.6247924	20	11 12.8	21.0
397605 2007 VD_{155}	17.1	X	128.48575	221.72166	345.77610	4.44536	0.0502453	0.21804191	2.7338587	20	9 26.4	21.1
397606 2007 VQ_{157}	17.4	X	231.54235	350.86760	124.14802	2.86734	0.0183385	0.22030938	2.7150681	20	10 7.2	21.1
397607 2007 VZ_{159}	16.6	X	89.37981	139.37768	87.87788	7.19093	0.0091324	0.21408781	2.7674179	20	9 2.9	20.4
397608 2007 VX_{165}	17.3	X	97.49064	94.02869	190.67610	1.56944	0.0529048	0.22758526	2.6568883	20	11 29.8	20.9
397609 2007 VV_{169}	17.6	X	51.71557	301.30268	77.77064	5.55016	0.2960574	0.24099464	2.5573949	20	—	—
397610 2007 VC_{173}	16.9	X	67.00819	254.59537	122.24224	5.71005	0.1521703	0.24450165	2.5328814	20	—	—
397611 2007 VV_{188}	18.1	X	72.94936	221.60352	71.04683	23.82591	0.0158781	0.38054009	1.8859743	20	12 11.3	19.8
397612 2007 VM_{212}	16.9	X	54.39187	229.39116	93.28065	5.29538	0.0868053	0.22923222	2.6441470	20	12 1.5	20.5
397613 2007 VB_{224}	17.4	X	71.77054	202.04861	145.76955	3.69099	0.2108477	0.23969707	2.5666160	20	—	—
397614 2007 VM_{241}	16.5	X	11.16662	288.57466	79.29765	14.24198	0.2288947	0.23256095	2.6188554	20	12 23.9	19.6
397615 2007 VX_{255}	17.5	X	62.54088	15.79521	344.18944	2.59314	0.2255840	0.24091967	2.5579254	20	—	—
397616 2007 VY_{256}	17.0	X	183.13594	74.41711	82.41680	13.96482	0.1307215	0.21695806	2.7429561	20	9 29.1	21.6
397617 2007 VW_{260}	16.1	X	245.93218	245.76054	253.16815	13.25773	0.0580892	0.22846822	2.6500385	20	11 19.5	19.5
397618 2007 VH_{278}	16.8	X	305.83153	310.32303	67.11440	7.52730	0.0426303	0.21667431	2.7453503	20	9 7.8	20.4
397619 2007 VH_{307}	16.8	X	13.20832	279.55623	77.44800	10.30565	0.0677852	0.22438674	2.6820771	20	11 18.6	20.1
397620 2007 VE_{309}	17.6	X	75.43210	340.34000	21.44321	1.47819	0.2242792	0.24267478	2.5455772	20	—	—
397621 2007 VR_{316}	16.2	X	52.56869	261.69173	93.41963	15.68098	0.1864145	0.23008277	2.6376266	20	—	—
397622 2007 VL_{321}	16.5	X	300.79437	279.23175	123.69493	12.48156	0.0879413	0.22064267	2.7123332	20	10 2.6	20.0
397623 2007 VQ_{323}	16.2	X	223.57773	79.06120	59.74461	13.51574	0.0375895	0.22524851	2.6752318	20	10 28.2	19.9
397624 2007 VL_{324}	16.1	X	152.05890	78.33347	25.14283	11.34006	0.0858911	0.19906368	2.9049681	20	6 11.2	20.6
397625 2007 VZ_{324}	16.8	X	12.07024	279.04876	122.36787	5.03863	0.2249462	0.23576262	2.5950920	20	—	—
397626 2007 VK_{325}	17.3	X	48.05866	346.27040	22.77863	5.06330	0.1829693	0.23863333	2.5742377	20	—	—
397627 2007 VL_{328}	16.5	X	68.58914	269.54345	83.55854	9.64291	0.1824477	0.23848057	2.5753369	20	—	—
397628 2007 VL_{329}	15.9	X	103.55952	62.05861	258.76132	12.28486	0.2030979	0.24006563	2.5639884	20	—	—
397629 2007 VE_{332}	15.9	X	69.15197	311.19662	297.68897	8.31946	0.1349259	0.19766854	2.9186209	20	9 13.5	20.2
397630 2007 WR_{4}	18.1	X	103.26202	113.01201	170.54983	18.80615	0.2113027	0.38915624	1.8580328	20	—	—
397631 2007 WO_{22}	16.9	X	115.38833	29.94004	261.97440	8.15174	0.1503134	0.23874908	2.5734056	20	—	—
397632 2007 WR_{22}	16.7	X	339.64754	84.34565	281.73436	5.21171	0.0430023	0.22250836	2.6971504	20	10 5.8	20.3
397633 2007 WF_{42}	17.2	X	200.93222	272.14589	197.31382	1.96059	0.0521306	0.21026396	2.8008691	20	8 15.1	21.2
397634 2007 WW_{60}	16.3	X	325.07619	326.98999	92.30472	14.14802	0.0610869	0.22688864	2.6623238	20	11 30.6	19.6
397635 2007 WE_{63}	15.9	X	93.51831	250.85001	297.30767	9.98099	0.0821293	0.18979611	2.9987794	20	7 23.2	20.1
397636 2007 XY	17.7	X	5.60096	135.75202	276.21733	19.73111	0.0962903	0.38786611	1.8621507	20	—	—
397637 2007 XH_{5}	17.0	X	47.59523	239.88619	142.08077	13.66488	0.2227372	0.24148115	2.5539588	20	—	—
397638 2007 XH_{6}	16.1	X	271.38389	228.59776	229.84757	16.38465	0.1832034	0.22243202	2.6977675	20	10 9.9	19.5
397639 2007 XY_{10}	16.9	X	262.19767	199.84534	249.80875	4.90495	0.0250629	0.21933396	2.7231118	20	10 9.6	20.5
397640 2007 XH_{17}	16.4	X	5.41000	317.51477	78.02171	9.17660	0.2752308	0.23093208	2.6311557	20	—	—
397641 2007 XK_{18}	17.9	X	70.92859	62.94232	249.20394	17.02343	0.0664161	0.38577570	1.8688716	20	—	—
397642 2007 XZ_{24}	16.5	X	275.76768	331.30384	101.61101	4.63511	0.1786993	0.21728949	2.7401662	20	9 17.4	20.0
397643 2007 XG_{36}	16.3	X	345.77111	343.37701	67.63855	13.25896	0.1820599	0.22962559	2.6411265	20	—	—
397644 2007 XW_{36}	16.7	X	248.70053	55.66535	48.11847	9.17074	0.1003176	0.21765608	2.7370885	20	10 4.4	20.5
397645 2007 XH_{43}	16.6	X	67.23998	227.27542	76.32436	12.30684	0.0699633	0.22305761	2.6927210	20	11 20.5	20.3
397646 2007 XD_{48}	16.9	X	272.31024	334.45132	83.43446	6.11477	0.1481625	0.21124986	2.7921480	20	8 27.3	20.6
397647 2007 XZ_{49}	16.8	X	320.66666	297.54400	99.18967	4.92891	0.1032209	0.21646338	2.7471335	20	10 21.6	19.9
397648 2007 XC_{55}	16.1	X	167.13850	322.61949	292.87584	13.21279	0.1738034	0.22690158	2.6622226	20	—	—
397649 2007 XW_{56}	16.6	X	261.32527	1.45830	78.09536	6.12077	0.1460575	0.21603786	2.7507396	20	9 11.7	20.3
397650 2007 YK_{5}	16.9	X	345.07371	296.38730	64.67016	7.34591	0.1301238	0.22018910	2.7160568	20	10 16.9	19.9
397651 2007 YV_{8}	16.2	X	135.01955	213.02468	329.76124	6.88523	0.1260915	0.20345228	2.8630417	20	9 4.5	20.7
397652 2007 YV_{9}	16.8	X	280.48054	319.14718	78.28464	11.14307	0.0917165	0.20685381	2.8315682	20	8 21.5	20.7
397653 2007 YJ_{26}	17.4	X	39.76623	310.24654	73.60666	7.01456	0.2526968	0.23415445	2.6069604	20	—	—
397654 2007 YU_{39}	16.7	X	311.71808	356.17065	66.86339	7.38391	0.0974278	0.22021304	2.7158599	20	11 11.3	19.8
397655 2007 YN_{44}	17.1	X	334.40045	288.85804	98.78928	5.13053	0.0811347	0.21393514	2.7687345	20	10 30.9	20.4
397656 2007 YV_{62}	16.0	X	32.18926	69.46603	121.64758	18.11474	0.1473342	0.17790024	3.1310141	20	5 16.5	20.1
397657 2007 YN_{63}	16.8	X	237.27351	300.81999	110.42850	9.25072	0.1024737	0.19685972	2.9266097	20	7 7.9	21.1
397658 2007 YJ_{71}	16.4	X	343.60821	317.09705	81.54704	12.95858	0.1609616	0.22146081	2.7056490	20	12 6.1	19.3
397659 2007 YS_{72}	16.2	X	296.13765	342.20417	102.91909	15.03834	0.0465009	0.22425086	2.6831604	20	11 23.9	19.8
397660 2008 AM	16.3	X	45.21479	227.25304	87.95155	25.37183	0.0999874	0.22156138	2.7048302	20	11 18.6	20.3
397661 2008 AB_{14}	16.9	X	236.99763	175.41867	269.33097	4.76394	0.0376180	0.20426117	2.8554781	20	8 26.9	21.0
397662 2008 AJ_{14}	16.6	X	286.06021	288.75881	139.94996	6.86714	0.0401350	0.21196349	2.7858775	20	10 16.1	20.3
397663 2008 AZ_{17}	16.5	X	13.96796	253.55632	130.19888	14.60020	0.2126707	0.22437472	2.6821729	20	—	—
397664 2008 AC_{32}	16.9	X	338.51344	277.95724	122.00944	11.82478	0.1275889	0.22012846	2.7165555	20	11 28.2	20.1
397665 2008 AF_{33}	17.3	X	168.72546	358.65925	139.85417	23.27660	0.0712126	0.35901922	1.9606087	20	9 1.8	19.6
397666 2008 AS_{33}	18.0	X	152.63638	335.43472	145.06343	16.21063	0.0787943	0.35201678	1.9865240	20	7 11.4	20.5
397667 2008 AU_{35}	17.3	X	27.44149	192.54356	119.53006	25.16693	0.0899060	0.36737686	1.9307595	20	11 24.0	20.0
397668 2008 AM_{37}	16.1	X	51.54977	219.88744	309.20472	8.59085	0.0488110	0.17908523	3.1171872	20	4 25.4	20.5
397669 2008 AB_{59}	17.1	X	133.77202	354.08223	177.49534	1.81513	0.0320371	0.19906418	2.9049632	20	8 14.5	21.2
397670 2008 AC_{63}	16.4	X	67.96087	223.16378	290.32660	6.34699	0.0676554	0.17956721	3.1116067	20	5 1.8	20.7
397671 2008 AM_{71}	16.7	X	150.98336	325.41233	127.74294	2.49595	0.1999758	0.18931486	3.0038592	20	6 4.5	21.7
397672 2008 AN_{72}	16.3	X	256.74198	191.66058	310.00410	12.50232	0.1057469	0.22064711	2.7122969	20	11 27.4	20.0
397673 2008 AX_{74}	17.1	X	131.69267	5.64522	300.89506	3.90708	0.1669380	0.22847650	2.6499745	20	—	—
397674 2008 AO_{94}	16.9	X	52.97282	127.54013	97.95423	3.85061	0.1642914	0.18966590	3.0001516	20	8 1.1	20.7
397675 2008 AK_{96}	15.7	X	240.68144	237.00933	108.86122	14.48753	0.0871306	0.18270583	3.0758686	20	4 28.4	20.5
397676 2008 AM_{99}	15.7	X	296.69805	338.50530	325.65044	14.37069	0.0412163	0.18403641	3.0610251	20	5 8.3	20.3
397677 2008 AP_{106}	15.7	X	98.76686	7.23295	92.16402	9.43675	0.0451566	0.17892813	3.1190114	20	4 7.4	20.2
397678 2008 AY_{107}	16.8	X	207.52350	173.47263	287.83444	4.57358	0.0391830	0.20136330	2.8828088	20	8 12.3	20.9
397679 2008 AH_{129}	17.2	X	88.31441	33.71914	157.26962	2.32092	0.1253489	0.19028481	2.9936427	20	7 26.2	21.5
397680 2008 BE_{1}	16.0	X	157.24629	292.03125	91.41414	17.36219	0.1301017	0.17702719	3.1412999	20	3 24.1	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
397681 2008 BT_{13}	16.2	X	20.32665	320.62157	276.57095	6.47349	0.0418011	0.18847172	3.0128112	20	6 12.6	20.1
397682 2008 BB_{28}	16.7	X	324.92745	272.48571	121.62235	5.60076	0.1298586	0.21420580	2.7664016	20	10 24.6	19.8
397683 2008 BC_{45}	16.2	X	74.80145	64.14272	80.34694	10.30674	0.1562247	0.17783467	3.1317837	20	5 16.7	20.5
397684 2008 BG_{46}	16.9	X	70.85900	26.30995	144.37461	1.45645	0.0813810	0.17818054	3.1277296	20	6 1.4	21.0
397685 2008 BQ_{50}	16.8	X	71.01286	45.74609	144.99439	9.80707	0.0711905	0.18471182	3.0535586	20	6 26.2	21.1
397686 2008 CT	17.7	X	331.85623	273.47494	119.22247	24.05027	0.1476042	0.37439627	1.9065508	20	—	—
397687 2008 CZ_{16}	16.3	X	348.10410	255.55818	337.05337	14.96572	0.1811258	0.17066687	3.2188685	20	4 6.1	20.2
397688 2008 CS_{33}	16.7	X	99.56037	41.66939	113.13109	3.28807	0.1410033	0.18295025	3.0731284	20	6 25.2	21.2
397689 2008 CN_{43}	16.5	X	172.17942	353.75113	124.02256	7.41419	0.1796338	0.19145081	2.9814754	20	7 21.8	21.3
397690 2008 CE_{76}	16.9	X	124.37881	25.59221	110.12481	3.41337	0.1046628	0.18217213	3.0818732	20	6 24.5	21.5
397691 2008 CX_{115}	16.8	X	123.20072	332.27337	174.13750	11.91039	0.1263077	0.18330082	3.0692088	20	7 7.6	21.7
397692 2008 CH_{117}	16.4	X	59.72224	172.48503	68.86407	6.95851	0.0154916	0.19093886	2.9868024	20	8 10.9	20.6
397693 2008 CR_{120}	17.5	X	323.05068	217.18426	130.18961	23.50417	0.0686705	0.35915206	1.9601252	20	9 16.5	19.4
397694 2008 CC_{130}	16.2	X	359.70500	266.01426	298.05669	3.02694	0.1338768	0.16993427	3.2281131	20	3 28.8	20.1
397695 2008 CM_{132}	16.6	X	118.59334	151.49623	326.95852	7.10454	0.0923692	0.18030831	3.1030746	20	5 24.4	21.3
397696 2008 CK_{139}	16.5	X	298.76782	275.99658	128.44253	7.07613	0.0657638	0.20634046	2.8362627	20	9 28.6	20.1
397697 2008 CD_{150}	16.7	X	43.26664	37.93966	207.51176	3.89132	0.1388753	0.18630675	3.0361064	20	8 7.1	20.7
397698 2008 CB_{152}	16.9	X	14.59961	274.62283	168.41638	16.52250	0.1592818	0.23114640	2.6295290	20	—	—
397699 2008 CH_{154}	16.8	X	69.83449	62.58365	134.42605	9.42577	0.0759932	0.18265335	3.0764578	20	7 3.2	21.0
397700 2008 CL_{187}	16.1	X	63.65751	251.57008	261.19950	8.45044	0.1721726	0.17615767	3.1516284	20	5 11.5	20.2
397701 2008 CS_{187}	17.6	X	233.02557	290.37795	151.56771	23.51326	0.0904959	0.36133751	1.9522137	20	9 1.2	19.3
397702 2008 CF_{189}	15.7	X	61.19572	112.72224	130.86529	13.83835	0.3251845	0.18234810	3.0798901	20	9 30.2	20.5
397703 2008 CG_{191}	17.1	X	49.56826	227.46946	359.03121	1.76255	0.1910953	0.18428431	3.0582792	20	8 1.1	20.9
397704 2008 CF_{194}	16.8	X	61.43324	359.78471	176.11590	12.47145	0.0696554	0.17441786	3.1725519	20	5 26.5	21.3
397705 2008 CC_{197}	16.7	X	76.54594	287.59886	270.71811	1.12169	0.2085910	0.18506600	3.0496614	20	8 1.8	21.0
397706 2008 CK_{197}	16.1	X	333.16819	167.25973	146.53458	10.40773	0.0219523	0.18851886	3.0123090	20	7 16.8	20.3
397707 2008 CX_{200}	16.4	X	58.68502	33.04978	178.26782	12.33893	0.0608930	0.18077265	3.0977586	20	7 3.6	20.8
397708 2008 CG_{203}	16.7	X	305.76178	130.58983	180.55179	11.10563	0.0259631	0.17771359	3.1332060	20	6 7.1	21.2
397709 2008 CW_{206}	16.7	X	99.52622	269.05055	271.20340	2.52815	0.0781507	0.18800044	3.0178441	20	7 19.6	21.1
397710 2008 CT_{207}	16.8	X	143.59077	185.86589	323.68347	0.87927	0.0206106	0.19112419	2.9848713	20	7 28.2	21.1
397711 2008 CN_{213}	16.1	X	314.33529	111.96956	198.27290	5.37573	0.1568420	0.17933280	3.1143176	20	5 31.8	19.9
397712 2008 CA_{214}	16.0	X	11.08272	172.93502	122.83339	6.15340	0.0935163	0.18893573	3.0078764	20	8 21.5	19.6
397713 2008 DF_{8}	16.6	X	153.42300	339.71529	160.86283	9.66176	0.0421448	0.19060045	2.9903367	20	7 28.2	21.1
397714 2008 DJ_{20}	16.8	X	164.00655	351.36362	156.65117	10.82440	0.0245349	0.19476318	2.9475746	20	8 20.3	20.9
397715 2008 DW_{25}	16.9	X	129.27811	289.44490	200.74157	8.25251	0.2773125	0.18493273	3.0511264	20	7 4.3	22.3
397716 2008 DA_{27}	16.3	X	87.51407	17.73449	144.36064	18.47310	0.1908189	0.17813365	3.1282784	20	6 28.1	21.2
397717 2008 DA_{42}	16.9	X	68.83399	70.30237	134.72407	11.02890	0.1251410	0.18740261	3.0242589	20	7 19.7	21.2
397718 2008 DZ_{45}	15.7	X	53.55440	85.31880	125.76598	22.88278	0.1886712	0.18127160	3.0920715	20	7 16.5	19.8
397719 2008 DY_{52}	16.3	X	128.15313	318.79869	182.96276	14.60699	0.1078098	0.18319800	3.0703571	20	7 5.1	21.3
397720 2008 DG_{54}	16.7	X	119.61733	33.87618	129.75568	18.21434	0.2002457	0.18964810	3.0003394	20	8 1.8	21.5
397721 2008 DC_{69}	16.0	X	39.20700	209.25262	11.27390	7.55039	0.0740335	0.17636978	3.1491010	20	6 20.6	20.2
397722 2008 DH_{87}	16.3	X	254.47787	189.14960	172.82505	15.00926	0.0414952	0.17933365	3.1143078	20	6 4.6	21.0
397723 2008 EJ_{13}	16.2	X	11.92067	232.38365	58.37751	5.24936	0.1201514	0.18723600	3.0260526	20	8 19.7	19.8
397724 2008 EL_{13}	16.4	X	66.98128	85.70294	132.07030	6.98592	0.0741217	0.18484802	3.0520585	20	7 26.2	20.6
397725 2008 ES_{24}	16.0	X	25.28165	219.65900	54.06995	9.34682	0.0797248	0.18745298	3.0237171	20	8 15.5	20.0
397726 2008 EN_{26}	16.6	X	76.24867	27.33844	178.83839	11.58705	0.0481249	0.18652153	3.0337753	20	7 17.9	21.1
397727 2008 EG_{33}	17.0	X	27.87842	93.78298	157.86853	5.35700	0.2497070	0.17755108	3.1351176	20	8 6.7	20.5
397728 2008 ED_{54}	15.8	X	250.92701	303.44380	54.62310	10.19407	0.0969713	0.17569587	3.1571486	20	5 17.4	20.5
397729 2008 EL_{69}	16.0	X	95.24371	62.81728	80.64993	14.33408	0.0705880	0.18062534	3.0994426	20	5 28.4	20.4
397730 2008 ES_{76}	16.7	X	117.94889	19.83843	128.66862	3.58295	0.1109607	0.18117235	3.0932008	20	7 4.0	21.3
397731 2008 EC_{86}	16.1	X	53.57747	90.09073	149.38700	10.44258	0.1056120	0.18540639	3.0459277	20	8 9.8	20.1
397732 2008 EA_{100}	15.9	X	39.99819	129.88463	125.01865	14.46326	0.1250692	0.18326800	3.0695753	20	8 15.0	19.8
397733 2008 EU_{110}	16.4	X	56.58739	208.87300	150.84086	13.71232	0.0743185	0.21606675	2.7504943	20	—	—
397734 2008 EM_{117}	16.6	X	48.60965	166.99494	61.91131	3.00730	0.1228534	0.17911617	3.1168281	20	7 23.1	20.6
397735 2008 EW_{120}	16.5	X	354.13439	101.15690	174.05019	9.00614	0.0919362	0.17810536	3.1286097	20	6 24.7	20.5
397736 2008 ER_{134}	16.6	X	3.87713	188.49688	100.33217	2.71966	0.2612999	0.17880392	3.1204557	20	8 10.9	19.3
397737 2008 EV_{134}	16.5	X	313.11240	241.82760	93.79625	2.86662	0.1808308	0.18161052	3.0882234	20	6 29.4	20.2
397738 2008 ET_{156}	15.6	X	12.11627	201.98463	22.60093	28.17581	0.1404785	0.17004671	3.2266898	20	5 8.4	19.8
397739 2008 EK_{161}	16.9	X	73.46971	244.88870	281.84370	0.33593	0.1195550	0.17642523	3.1484412	20	6 5.2	21.2
397740 2008 EF_{166}	15.6	X	281.49819	316.98811	26.77858	19.40901	0.0200294	0.17510395	3.1642595	20	6 13.9	20.4
397741 2008 FT_{5}	15.7	X	331.65364	256.43313	14.79229	27.23225	0.3913169	0.16801604	3.2526366	20	4 2.8	18.9
397742 2008 FP_{14}	15.7	X	180.84304	34.54581	11.35192	17.68784	0.2412366	0.17584042	3.1554181	20	4 28.6	21.4
397743 2008 FN_{18}	16.2	X	120.33272	168.05088	355.18315	9.72621	0.0692411	0.18623720	3.0368622	20	7 24.3	20.8
397744 2008 FQ_{22}	16.3	X	5.07007	98.06261	178.90278	14.44402	0.2258307	0.17540449	3.1606440	20	7 20.1	19.7
397745 2008 FX_{23}	16.6	X	19.45910	144.88309	112.83489	6.00594	0.0675553	0.17810534	3.1286099	20	7 10.1	20.4
397746 2008 FP_{53}	16.2	X	354.50592	110.26120	194.53555	13.00222	0.1261599	0.18063602	3.0993205	20	8 1.9	20.1
397747 2008 FL_{54}	16.5	X	63.39042	13.30671	174.41392	6.17405	0.1695051	0.17460516	3.1702828	20	6 26.1	20.8
397748 2008 FQ_{55}	15.8	X	329.62212	136.51804	193.54728	9.04292	0.0905703	0.18204159	3.0833463	20	7 27.2	19.9
397749 2008 FU_{59}	16.1	X	67.00739	150.70457	112.66084	5.53193	0.1672318	0.18522756	3.0478878	20	10 8.7	20.5
397750 2008 FW_{88}	15.9	X	348.80778	91.00538	206.80265	15.56811	0.1665034	0.17324656	3.1868354	20	7 11.9	19.8
397751 2008 FB_{90}	16.3	X	169.62770	315.63528	148.49633	11.48441	0.1099304	0.18956367	3.0012302	20	7 2.3	21.1
397752 2008 FG_{101}	16.2	X	314.05195	193.54380	129.45362	6.81134	0.1907623	0.17226556	3.1989227	20	6 12.6	20.1
397753 2008 FV_{108}	16.5	X	58.47219	228.73848	49.37552	5.16111	0.1752056	0.19040131	2.9924215	20	10 17.3	20.8
397754 2008 FF_{113}	16.7	X	5.13747	95.15560	177.69468	9.72993	0.2270585	0.17735935	3.1373766	20	7 15.3	20.0
397755 2008 FZ_{113}	16.2	X	124.62845	78.04183	37.19664	12.46985	0.2015602	0.17509400	3.1643794	20	6 6.0	21.4
397756 2008 FK_{117}	16.7	X	322.20970	315.42854	333.28483	1.34570	0.0650337	0.17007117	3.2263805	20	5 25.9	21.0
397757 2008 FS_{117}	15.6	X	287.06421	140.39596	212.68191	22.28756	0.0741971	0.17599277	3.1535968	20	6 25.4	20.3
397758 2008 FE_{134}	16.0	X	341.93869	122.43742	174.26458	8.16523	0.1384512	0.17432828	3.1736387	20	7 1.1	19.8
397759 2008 FD_{135}	16.4	X	9.48864	98.00863	161.40145	5.78982	0.1524784	0.17340699	3.1848696	20	7 1.2	20.1
397760 2008 GS_{9}	16.2	X	197.02235	248.31662	198.59263	8.83236	0.0372540	0.17821694	3.1273038	20	7 10.3	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
397761 2008 GD_{13}	15.9	X	14.35570	263.40972	10.87883	8.26518	0.0673440	0.18391438	3.0623789	20	7 27.8	20.0
397762 2008 GJ_{13}	15.9	X	350.88829	278.61470	11.61956	11.97624	0.1077982	0.17959005	3.1113429	20	7 12.6	19.9
397763 2008 GA_{18}	16.6	X	9.41503	144.13498	104.46708	5.68793	0.1239896	0.17326113	3.1866567	20	6 15.3	20.4
397764 2008 GE_{40}	16.4	X	49.44163	147.00723	99.54308	6.43832	0.2045484	0.18692275	3.0294324	20	8 31.9	20.4
397765 2008 GY_{49}	16.2	X	351.90603	100.06672	206.59024	17.61810	0.1031576	0.17924904	3.1152876	20	7 28.7	20.5
397766 2008 GX_{73}	16.2	X	305.89127	278.01035	69.22941	10.92994	0.0774507	0.18006212	3.1059025	20	7 18.6	20.4
397767 2008 GF_{77}	16.1	X	319.81725	147.64325	170.59911	9.75589	0.0676879	0.17432925	3.1736270	20	6 29.7	20.5
397768 2008 GZ_{85}	16.0	X	75.97785	23.94412	190.16661	9.31135	0.0492174	0.18333970	3.0687749	20	7 27.3	20.5
397769 2008 GW_{91}	16.8	X	73.44337	104.95467	57.30838	1.63717	0.0880156	0.17177997	3.2049484	20	5 25.7	21.1
397770 2008 GU_{100}	16.1	X	98.12907	333.00573	202.96744	9.37885	0.0808536	0.17692421	3.1425187	20	7 10.7	20.8
397771 2008 GQ_{117}	16.0	X	82.77547	334.91411	197.74469	17.22744	0.1764364	0.17449365	3.1716333	20	6 30.9	20.9
397772 2008 GC_{130}	15.9	X	322.31399	266.16131	60.20062	21.56344	0.2286093	0.17234738	3.1979101	20	6 23.8	19.7
397773 2008 GF_{132}	15.8	X	328.14543	232.80374	70.78472	10.83786	0.1178500	0.17032643	3.2231562	20	6 18.1	19.9
397774 2008 HP_{5}	16.1	X	8.23099	77.46872	204.76061	8.15594	0.1619243	0.17825883	3.1268137	20	7 29.5	19.9
397775 2008 HO_{13}	15.8	X	82.22943	345.30000	205.75147	27.91247	0.1451479	0.17983341	3.1085353	20	7 15.3	20.9
397776 2008 HY_{18}	16.0	X	311.24423	106.18257	207.23510	9.89855	0.0313953	0.17599798	3.1535346	20	6 15.6	20.4
397777 2008 HO_{21}	16.2	X	285.02805	146.63126	197.87479	15.75183	0.0865971	0.17382045	3.1798170	20	6 12.8	20.8
397778 2008 HM_{22}	15.9	X	73.50447	85.73257	96.80014	19.78989	0.1030657	0.17025409	3.2240692	20	6 23.4	20.3
397779 2008 HV_{23}	15.7	X	338.40328	186.46388	92.52134	16.26602	0.0667579	0.17029601	3.2235400	20	6 7.4	20.0
397780 2008 HK_{26}	16.1	X	352.92383	74.80878	204.43851	22.35772	0.0992786	0.17502917	3.1651607	20	6 25.3	20.5
397781 2008 HX_{26}	16.6	X	23.42754	147.72790	107.38038	2.43314	0.1479568	0.17632026	3.1496907	20	7 20.8	20.1
397782 2008 HN_{37}	16.1	X	221.14793	278.79508	147.10841	11.66839	0.0209077	0.18307041	3.0717836	20	7 15.3	20.6
397783 2008 HJ_{38}	16.4	X	359.95422	15.88860	227.20499	3.82159	0.1069655	0.17051491	3.2207806	20	5 22.3	20.2
397784 2008 HT_{40}	16.4	X	311.92319	141.76266	204.92030	10.63283	0.0399204	0.18253781	3.0777558	20	7 26.5	20.8
397785 2008 HJ_{41}	15.8	X	36.83862	237.61470	39.61374	12.62579	0.2293401	0.17986874	3.1081282	20	9 28.2	19.9
397786 2008 HE_{60}	16.2	X	97.69884	303.79678	202.84275	26.21459	0.2199278	0.17248700	3.1961842	20	6 19.7	21.6
397787 2008 JV_{20}	16.0	X	29.88953	53.48284	238.54251	15.73363	0.1950052	0.17797804	3.1301017	20	9 19.6	20.2
397788 2008 JP_{21}	15.8	X	290.90193	264.64978	97.88990	11.52431	0.1617192	0.17693556	3.1423843	20	7 3.1	19.8
397789 2008 JP_{22}	15.4	X	13.67243	37.60998	235.54865	27.52982	0.2750820	0.17501198	3.1653680	20	7 29.7	19.3
397790 2008 JR_{29}	14.2	X	325.82868	172.29420	97.46235	5.09757	0.0501811	0.08140958	5.2725298	20	5 12.2	20.9
397791 2008 JD_{37}	15.5	X	103.30589	52.06568	104.27643	14.14518	0.0484565	0.16877527	3.2428747	20	6 19.9	20.2
397792 2008 JY_{40}	15.9	X	81.79994	124.04539	95.13958	14.79236	0.2821869	0.18160238	3.0883157	20	9 17.8	21.0
397793 2008 KN_{15}	15.6	X	153.48685	340.90299	127.11631	12.93418	0.0213263	0.16949920	3.2336347	20	6 17.4	20.4
397794 2008 KH_{39}	15.7	X	331.09161	278.97617	120.29657	13.95364	0.0546047	0.19234488	2.9722292	20	11 8.4	19.8
397795 2008 LZ_{7}	16.1	X	111.89044	121.42998	75.39720	17.05459	0.1586569	0.18300765	3.0724858	20	9 8.9	21.3
397796 2008 LS_{14}	15.3	X	36.27860	350.96995	260.11344	12.86280	0.2808167	0.16811493	3.2513610	20	8 18.8	19.5
397797 2008 MZ_{2}	14.9	X	338.76120	108.30193	300.23987	15.88582	0.2765332	0.17746099	3.1361786	20	11 30.2	18.0
397798 2008 PD	18.4	X	264.74677	231.95010	101.23720	2.85907	0.2361906	0.31374486	2.1449556	20	4 10.8	21.5
397799 2008 PE_{5}	15.7	X	7.09190	187.83907	167.53730	15.88401	0.2557598	0.17291248	3.1909389	20	11 20.2	19.5
397800 2008 PX_{9}	15.7	X	13.90392	50.53892	285.01924	12.72661	0.1757498	0.17225005	3.1991147	20	10 16.6	19.9
397801 2008 QA_{19}	17.6	X	183.72558	326.45321	31.15872	6.26307	0.2075587	0.29438084	2.2380152	20	3 5.5	21.2
397802 2008 QU_{21}	17.1	X	190.76792	25.09911	288.35943	6.50693	0.1517165	0.29108902	2.2548561	20	1 11.9	20.6
397803 2008 QQ_{38}	17.6	X	201.91402	345.02701	320.93167	7.32134	0.1580340	0.29076787	2.2565161	20	1 14.4	21.0
397804 2008 QV_{46}	17.7	X	168.39173	148.53898	218.89255	5.82253	0.1437868	0.29424509	2.2387034	20	2 24.1	21.0
397805 2008 RJ_{25}	17.1	X	174.26593	337.08778	25.04621	8.95526	0.2459260	0.29260140	2.2470796	20	3 5.9	20.9
397806 2008 RQ_{35}	17.8	X	98.07692	237.45974	183.21131	6.13725	0.0879146	0.28798202	2.2710453	20	2 2.6	20.3
397807 2008 RH_{45}	17.2	X	185.37187	34.55685	1.25325	8.17881	0.1928754	0.30174542	2.2014505	20	4 18.8	20.8
397808 2008 RM_{45}	17.9	X	56.00570	244.04527	164.12171	5.38230	0.0928048	0.27490400	2.3425130	20	—	—
397809 2008 RS_{62}	17.9	X	276.04689	258.36679	5.19488	4.13761	0.1058832	0.29850851	2.2173363	20	2 5.9	20.7
397810 2008 RQ_{81}	18.0	X	343.18878	260.57227	280.95522	3.67171	0.1102221	0.29580155	2.2308434	20	1 13.0	20.1
397811 2008 RG_{86}	17.8	X	196.81954	7.80184	278.30851	6.16990	0.1121473	0.28315259	2.2967957	20	—	—
397812 2008 RO_{86}	17.7	X	160.08382	44.14961	290.31209	5.67109	0.1314903	0.28471118	2.2884058	20	1 6.5	20.8
397813 2008 RJ_{95}	17.9	X	209.63161	165.14538	190.97769	6.52644	0.1301387	0.30371662	2.1919148	20	3 22.9	20.9
397814 2008 RF_{96}	18.2	X	221.96770	341.35889	347.04242	3.97054	0.2296454	0.30191513	2.2006255	20	2 26.9	21.8
397815 2008 RA_{107}	17.9	X	175.87219	347.94016	6.19682	6.49220	0.1345374	0.29073276	2.2566978	20	2 19.0	21.2
397816 2008 RF_{131}	18.0	X	1.61779	239.00534	213.44557	5.98345	0.1340991	0.26837833	2.3803332	20	—	—
397817 2008 RW_{134}	18.0	X	156.30406	349.49953	17.77097	5.02843	0.1739909	0.29179391	2.2512233	20	2 18.8	21.3
397818 2008 SN_{2}	17.8	X	36.65090	157.51865	262.06969	1.58534	0.1918542	0.26952998	2.3735479	20	—	—
397819 2008 SP_{9}	17.7	X	116.24267	21.17467	348.87141	5.72254	0.1088598	0.28308428	2.2971651	20	—	—
397820 2008 SX_{53}	18.2	X	212.14750	143.84116	163.80022	1.51958	0.0967842	0.29021615	2.2593751	20	1 24.1	21.2
397821 2008 SP_{72}	18.0	X	199.43476	322.30558	7.20328	7.26824	0.1457510	0.29053203	2.2577371	20	2 11.9	21.4
397822 2008 SB_{96}	17.9	X	224.99130	122.57973	216.03256	3.51765	0.2109581	0.30018243	2.2090856	20	3 12.1	21.3
397823 2008 SD_{119}	17.9	X	188.55520	314.74804	19.23814	5.33829	0.1428431	0.28921108	2.2646066	20	2 6.5	21.3
397824 2008 SO_{122}	17.8	X	334.45836	87.44215	13.07557	4.97818	0.1551730	0.26169279	2.4207032	20	—	—
397825 2008 SF_{130}	17.5	X	161.09429	2.08250	258.30611	2.41217	0.1144457	0.26324741	2.4111634	20	—	—
397826 2008 SC_{133}	18.3	X	177.22615	162.47870	205.37304	4.46862	0.1673048	0.29220764	2.2490978	20	3 7.0	21.7
397827 2008 SP_{148}	16.5	X	73.68085	217.59147	206.40145	22.66563	0.3735757	0.27381021	2.3487473	20	2 13.6	19.1
397828 2008 SB_{150}	17.9	X	226.92200	160.19028	182.50308	5.62345	0.2072377	0.30140953	2.2030857	20	3 20.1	21.5
397829 2008 SV_{152}	17.8	X	105.37122	39.39422	3.14009	7.50113	0.1829995	0.28530028	2.2852546	20	2 8.4	20.5
397830 2008 SE_{157}	18.2	X	192.17403	151.50737	206.22775	3.38331	0.1680679	0.29798865	2.2199144	20	3 7.9	21.6
397831 2008 SH_{160}	17.8	X	178.98188	354.36308	12.99799	8.46174	0.2523143	0.29448738	2.2374753	20	3 14.4	21.5
397832 2008 SQ_{170}	18.4	X	201.12125	87.48799	231.53937	3.21816	0.0193472	0.29121384	2.2542117	20	1 23.4	21.1
397833 2008 SC_{176}	17.8	X	212.88852	120.65431	227.25771	3.49642	0.1949727	0.29927326	2.2135573	20	3 13.7	21.3
397834 2008 SL_{182}	17.9	X	342.31237	53.90707	45.61491	4.25893	0.0977067	0.26450190	2.4035335	20	—	—
397835 2008 ST_{182}	18.1	X	305.71979	162.66081	142.57783	1.60094	0.2018198	0.31107017	2.1572334	20	4 28.8	20.2
397836 2008 SE_{189}	17.7	X	188.60660	147.64514	220.22188	3.81570	0.1761648	0.29945182	2.2126773	20	3 17.5	21.1
397837 2008 SL_{238}	17.3	X	326.96618	23.63065	76.81546	3.59822	0.1535078	0.26011338	2.4304923	20	—	—
397838 2008 SY_{241}	17.6	X	174.29042	174.21181	162.38044	7.65241	0.1856335	0.28889731	2.2662460	20	1 26.6	21.1
397839 2008 SF_{248}	17.6	X	340.92110	37.38761	26.50065	2.73482	0.1837402	0.25677649	2.4515037	20	—	—
397840 2008 SP_{258}	16.3	X	292.90429	8.46637	41.12284	15.47794	0.0748419	0.23973496	2.5663456	20	10 5.1	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
397841 2008 SY_{271}	18.2	X	171.67054	46.05906	311.71761	1.85027	0.1573892	0.28540975	2.2846702	20	2 19.0	21.7
397842 2008 SQ_{281}	17.1	X	149.55958	161.63113	49.32492	15.93161	0.1025636	0.24346219	2.5400857	20	10 31.5	20.9
397843 2008 SM_{282}	17.3	X	156.73408	111.62606	244.87702	11.30454	0.1274181	0.28867409	2.2674141	20	1 26.3	20.6
397844 2008 SL_{302}	18.0	X	256.57263	162.70603	40.93402	7.58037	0.0414315	0.27065848	2.3669457	20	—	—
397845 2008 SY_{309}	17.2	X	41.04285	332.10286	81.52167	6.80939	0.1942899	0.26466858	2.4025243	20	—	—
397846 2008 TS	18.1	X	229.14516	242.94989	119.30224	7.26934	0.2311662	0.30547414	2.1834994	20	4 18.5	21.7
397847 2008 TA_{1}	18.8	X	264.25089	145.61710	22.04172	14.83007	0.4484462	0.59730769	1.3963811	20	—	—
397848 2008 TV_{21}	16.8	X	182.13430	97.72318	31.52212	21.77081	0.1323410	0.23055700	2.6340085	20	8 30.3	21.4
397849 2008 TD_{40}	17.9	X	229.61813	3.21845	304.39964	6.48384	0.1325575	0.29442392	2.2377968	20	2 9.5	21.3
397850 2008 TR_{44}	18.2	X	305.44394	77.36140	33.67246	2.86993	0.1580081	0.25495320	2.4631777	20	—	—
397851 2008 TB_{47}	17.1	X	217.43555	145.25285	79.82833	6.06988	0.0953488	0.26516322	2.3995356	20	—	—
397852 2008 TZ_{49}	17.8	X	314.20170	110.77426	16.97199	7.25500	0.1310212	0.26563538	2.3966913	20	—	—
397853 2008 TG_{50}	18.2	X	186.93073	158.25345	187.47977	3.14090	0.1147357	0.29198595	2.2502361	20	2 15.3	21.4
397854 2008 TD_{69}	18.1	X	78.25652	273.34725	123.32174	2.08401	0.1933917	0.27411374	2.3470131	20	—	—
397855 2008 TF_{90}	17.7	X	81.84256	191.46225	219.02818	6.13885	0.1127570	0.27438911	2.3454426	20	—	—
397856 2008 TZ_{109}	16.7	X	253.61349	340.62563	110.94172	6.12953	0.1335432	0.24246140	2.5470706	20	9 22.9	20.0
397857 2008 TF_{114}	17.4	X	251.93972	23.85650	42.61537	12.56795	0.1789202	0.23465029	2.6032866	20	8 12.5	21.3
397858 2008 TD_{115}	18.0	X	156.49201	61.98182	308.35897	5.17297	0.1920874	0.28934841	2.2638900	20	2 21.6	21.3
397859 2008 TE_{134}	18.3	X	200.52303	73.14385	277.01737	2.71446	0.1969343	0.29577608	2.2309715	20	3 6.1	21.9
397860 2008 TO_{135}	17.5	X	197.49706	234.99665	133.47134	7.90981	0.2118214	0.29829192	2.2184095	20	3 31.0	21.2
397861 2008 TL_{148}	17.7	X	0.53761	71.65670	51.93101	3.78779	0.1429800	0.27586086	2.3370930	20	—	—
397862 2008 TT_{167}	17.6	X	240.93934	204.01185	29.04061	7.19557	0.1437929	0.27641804	2.3339513	20	—	—
397863 2008 TQ_{169}	17.8	X	264.14563	97.39828	73.93509	2.34103	0.1237437	0.26102232	2.4248467	20	—	—
397864 2008 TB_{175}	18.2	X	354.94274	218.48657	241.32619	4.58039	0.0724818	0.26868841	2.3785015	20	—	—
397865 2008 UD_{3}	16.7	X	62.62305	324.49145	55.44992	25.09825	0.2206248	0.26555326	2.3971854	20	—	—
397866 2008 UQ_{29}	17.7	X	267.72542	359.31963	188.23786	3.06667	0.0625636	0.26613503	2.3936906	20	—	—
397867 2008 UP_{34}	17.3	X	307.01322	350.87758	180.90656	4.71586	0.0403577	0.27189272	2.3597772	20	—	—
397868 2008 UR_{40}	17.6	X	343.30024	203.39510	245.86498	1.77969	0.1704092	0.25871406	2.4392484	20	—	—
397869 2008 UB_{41}	17.8	X	352.80967	182.22509	265.56589	0.51401	0.1599667	0.26070931	2.4267871	20	—	—
397870 2008 UH_{41}	17.1	X	229.04887	28.31557	231.82596	6.86409	0.0898805	0.27569092	2.3380533	20	—	—
397871 2008 UX_{51}	17.4	X	66.20354	178.48775	238.09151	5.03179	0.0896019	0.27134887	2.3629292	20	—	—
397872 2008 UK_{52}	18.2	X	285.26528	276.27889	47.00159	4.64903	0.2260037	0.30743189	2.1742198	20	4 21.4	20.6
397873 2008 UQ_{59}	16.7	X	310.69663	153.28812	303.75289	7.26575	0.2127330	0.25549494	2.4596946	20	—	—
397874 2008 UH_{65}	17.1	X	309.08896	61.94227	306.31464	3.23596	0.2344201	0.23726431	2.5841305	20	8 5.4	19.4
397875 2008 UR_{77}	17.3	X	138.67529	125.25574	241.85723	6.39221	0.1300470	0.27917466	2.3185621	20	1 23.1	20.4
397876 2008 UZ_{88}	17.5	X	250.73244	49.93299	172.26138	7.27395	0.0921913	0.27681975	2.3316928	20	—	—
397877 2008 UV_{89}	17.5	X	264.61227	18.55232	86.62035	4.21982	0.0749274	0.24733870	2.5134756	20	11 4.5	20.6
397878 2008 US_{92}	17.3	X	125.86119	206.44465	147.31872	6.87965	0.1390412	0.27796701	2.3252726	20	—	—
397879 2008 UC_{100}	18.2	X	169.74721	335.20840	40.73719	0.30643	0.2028827	0.29171794	2.2516141	20	3 13.8	21.6
397880 2008 UM_{112}	17.2	X	16.33832	220.25011	240.30901	6.55178	0.0745672	0.27183884	2.3600890	20	—	—
397881 2008 UR_{119}	16.7	X	336.39506	184.78429	236.62812	13.78880	0.0795086	0.25291247	2.4764100	20	12 26.1	19.7
397882 2008 UM_{123}	17.7	X	152.46182	40.01356	325.60795	3.90919	0.1821352	0.28425542	2.2908512	20	2 12.5	20.8
397883 2008 UA_{136}	18.0	X	312.02538	96.61409	41.11833	5.69318	0.0720352	0.26433976	2.4045163	20	—	—
397884 2008 UT_{145}	17.5	X	5.17612	238.57987	216.10853	6.72674	0.0923737	0.26585834	2.3953512	20	—	—
397885 2008 UL_{146}	17.7	X	189.46847	282.25552	34.61471	5.70367	0.2175689	0.28418848	2.2912109	20	1 20.4	21.5
397886 2008 UY_{168}	17.5	X	307.16288	55.11421	52.59744	11.39961	0.1965066	0.25382683	2.4704593	20	—	—
397887 2008 UZ_{173}	17.4	X	30.53189	196.71102	232.55011	10.91852	0.2080446	0.26861580	2.3789301	20	—	—
397888 2008 UC_{175}	17.9	X	343.77365	33.27992	38.89106	1.64963	0.1597805	0.25549643	2.4596850	20	—	—
397889 2008 UW_{187}	17.9	X	266.94066	199.68860	124.82439	3.80327	0.1715069	0.30124215	2.2039017	20	4 10.0	20.9
397890 2008 UX_{202}	18.5	X	225.45291	209.10424	103.40553	6.99668	0.2503309	0.29480443	2.2358708	20	2 11.5	22.3
397891 2008 UM_{203}	17.5	X	130.16625	12.66925	356.51173	5.59948	0.1789092	0.28127508	2.3070050	20	1 25.5	20.5
397892 2008 UN_{226}	17.6	X	4.34462	48.98062	65.74002	7.52878	0.0614835	0.27271677	2.3550212	20	—	—
397893 2008 UJ_{228}	15.6	X	51.74266	146.77406	249.06820	7.62270	0.0693124	0.17807096	3.1290126	20	—	—
397894 2008 US_{230}	18.6	X	174.21093	28.29172	313.34250	1.87883	0.1186098	0.28856262	2.2679980	20	1 29.2	21.8
397895 2008 UP_{257}	18.0	X	85.37890	12.56394	23.29671	2.82633	0.1991242	0.27363637	2.3497420	20	—	—
397896 2008 UE_{261}	17.6	X	239.20656	144.11412	92.74190	3.30834	0.0886958	0.27107252	2.3645348	20	—	—
397897 2008 UX_{262}	17.7	X	339.85651	75.40328	10.42275	2.88125	0.1505397	0.25546754	2.4598704	20	—	—
397898 2008 US_{263}	17.8	X	78.15183	150.02669	253.86616	1.83673	0.1744506	0.27154746	2.3617770	20	—	—
397899 2008 UB_{267}	17.6	X	235.92986	327.63545	306.92156	2.51358	0.1100044	0.28311233	2.2970134	20	1 8.1	20.9
397900 2008 UD_{270}	17.9	X	188.75940	187.63828	153.34912	2.23311	0.1391330	0.28831968	2.2692719	20	2 13.3	21.1
397901 2008 UE_{277}	17.8	X	254.66698	211.06426	44.17767	3.61858	0.0858983	0.28300945	2.2975700	20	1 4.8	20.9
397902 2008 UL_{289}	17.8	X	81.81590	322.75854	66.82219	15.45133	0.0733164	0.26858145	2.3791329	20	—	—
397903 2008 UF_{321}	17.8	X	104.19751	11.61145	356.82403	4.83616	0.1536207	0.27573048	2.3378297	20	—	—
397904 2008 UE_{322}	17.2	X	162.13179	44.59301	255.94819	6.14328	0.1300029	0.27538601	2.3397788	20	—	—
397905 2008 UN_{329}	18.3	X	54.56134	154.59204	263.34907	1.53709	0.1884562	0.27088370	2.3656335	20	—	—
397906 2008 UF_{338}	16.7	X	212.60503	1.61358	264.10142	11.58866	0.1857007	0.27331439	2.3515870	20	—	—
397907 2008 UQ_{338}	17.0	X	165.77853	56.80978	242.02785	5.56968	0.1301904	0.26892876	2.3770841	20	—	—
397908 2008 UC_{339}	16.7	X	266.95647	143.37522	59.38417	7.74362	0.1032589	0.26854634	2.3793403	20	—	—
397909 2008 UR_{348}	17.4	X	135.63651	21.16049	263.91656	5.94478	0.0913282	0.25949184	2.4343718	20	—	—
397910 2008 UR_{366}	17.3	X	259.18337	126.67883	331.51451	5.05594	0.2392803	0.24169707	2.5524376	20	9 18.1	20.4
397911 2008 VW_{22}	17.3	X	32.32128	316.67369	83.03586	5.62787	0.1827319	0.26135007	2.4228190	20	—	—
397912 2008 VS_{23}	17.0	X	97.20521	315.41014	66.11139	10.54296	0.2855770	0.27434016	2.3457216	20	1 15.8	19.6
397913 2008 VD_{26}	17.2	X	306.47385	309.07148	228.73990	6.47650	0.0483851	0.27649250	2.3335323	20	—	—
397914 2008 VP_{32}	18.1	X	59.92744	332.82848	74.86528	7.46523	0.1113367	0.26953739	2.3735044	20	—	—
397915 2008 VJ_{47}	18.0	X	69.35072	315.99905	91.11878	2.24356	0.1806846	0.27051845	2.3677624	20	—	—
397916 2008 VH_{53}	17.6	X	83.08278	159.33041	240.41531	4.60387	0.2067874	0.27443549	2.3451783	20	1 1.6	19.7
397917 2008 VC_{71}	17.9	X	333.89660	147.71545	296.17011	1.87905	0.1682012	0.25510343	2.4622105	20	—	—
397918 2008 VE_{72}	17.8	X	75.65182	309.89632	97.62729	2.25224	0.1838692	0.26735069	2.3864290	20	—	—
397919 2008 VQ_{73}	17.0	X	340.55710	289.21769	68.42139	11.84971	0.0632406	0.23650126	2.5896858	20	10 8.5	20.3
397920 2008 VN_{77}	16.9	X	316.76451	313.67074	95.13339	10.16163	0.1661614	0.24404658	2.5360291	20	11 8.5	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
397921 2008 VU_{79}	16.6	X	232.48239	28.12792	56.71761	13.09136	0.2791382	0.22654192	2.6650395	20	8 1.5	21.2
397922 2008 WL_{10}	17.1	X	98.27419	116.10496	249.15631	7.97884	0.1855972	0.27120028	2.3637922	20	—	—
397923 2008 WM_{14}	18.4	X	225.67206	103.26187	229.03516	4.24705	0.1793481	0.29757250	2.2219836	20	3 5.3	21.9
397924 2008 WL_{15}	16.9	X	209.53275	126.24215	216.12443	3.51894	0.1137107	0.20928212	2.8096225	20	3 12.0	21.2
397925 2008 WA_{20}	18.0	X	189.62214	95.66203	238.15530	5.82058	0.1393946	0.28507938	2.2864349	20	2 3.4	21.5
397926 2008 WP_{30}	17.4	X	285.51226	118.76898	350.51670	2.18337	0.1513432	0.24558883	2.5254008	20	12 1.9	19.9
397927 2008 WQ_{34}	17.9	X	247.76716	204.97075	17.34812	1.80858	0.1305622	0.27080383	2.3660986	20	—	—
397928 2008 WP_{37}	17.6	X	309.48812	355.45520	233.59391	5.23097	0.1425670	0.28323172	2.2963678	20	1 26.1	20.5
397929 2008 WA_{60}	16.4	X	304.05878	187.57728	216.00909	7.86278	0.1014792	0.23946052	2.5683060	20	10 4.0	19.3
397930 2008 WF_{62}	17.0	X	50.38913	1.96263	63.13271	7.42871	0.1191057	0.26824277	2.3811351	20	—	—
397931 2008 WG_{70}	17.7	X	330.24449	209.68631	246.02650	1.90021	0.1534758	0.25395612	2.4696207	20	—	—
397932 2008 WJ_{73}	17.4	X	186.66385	359.25043	273.66415	4.90939	0.1253594	0.26422376	2.4052200	20	—	—
397933 2008 WU_{77}	17.7	X	207.17785	31.24447	221.10803	8.04084	0.0875771	0.26475455	2.4020042	20	—	—
397934 2008 WU_{106}	17.2	X	237.25900	243.68982	259.15513	11.90835	0.1400520	0.24293639	2.5437494	20	11 2.3	20.7
397935 2008 WR_{113}	17.7	X	104.49576	130.48435	251.97072	5.18981	0.1160417	0.27249332	2.3563085	20	—	—
397936 2008 XX_{6}	16.7	X	283.26578	354.84724	92.86186	13.52393	0.1786651	0.24134671	2.5549072	20	10 30.1	19.6
397937 2008 XF_{37}	18.0	X	336.27945	89.80205	2.43917	1.66209	0.1480839	0.25521063	2.4615210	20	—	—
397938 2008 XX_{39}	18.3	X	268.98566	37.44239	66.71223	5.84368	0.1874405	0.24026218	2.5625899	20	10 22.5	21.2
397939 2008 XF_{41}	17.3	X	152.91978	267.09123	66.07851	7.38862	0.1297680	0.26902366	2.3765251	20	—	—
397940 2008 XY_{41}	16.7	X	175.76878	241.14748	298.83441	7.33220	0.0937116	0.23164010	2.6257914	20	10 12.7	20.8
397941 2008 XH_{48}	17.9	X	118.16198	243.44625	124.26608	3.07359	0.2395633	0.26996471	2.3709991	20	1 17.8	20.9
397942 2008 XG_{51}	16.2	X	266.22367	323.76314	86.41399	29.53015	0.1533072	0.22661883	2.6644366	20	8 11.1	20.3
397943 2008 XL_{51}	17.1	X	249.59309	309.53846	235.30525	6.92361	0.1018610	0.25583595	2.4575083	20	—	—
397944 2008 XR_{55}	16.6	X	222.30255	86.45364	56.58886	14.25247	0.2076960	0.23158789	2.6261860	20	10 13.8	20.7
397945 2008 YK_{15}	16.6	X	7.33293	250.05047	109.46284	11.01030	0.1460169	0.23698271	2.5861772	20	11 28.2	19.7
397946 2008 YY_{17}	17.3	X	83.32075	283.49951	114.65861	7.83848	0.1432795	0.26435551	2.4044208	20	—	—
397947 2008 YE_{18}	17.1	X	178.03859	59.40587	115.19716	9.63868	0.2397836	0.22470768	2.6795227	20	10 9.0	21.9
397948 2008 YQ_{19}	16.5	X	142.50376	102.95928	116.87282	12.73520	0.0959028	0.22885854	2.6470245	20	11 5.3	20.8
397949 2008 YP_{23}	17.0	X	325.25719	27.56522	81.35828	4.96116	0.1219132	0.25432642	2.4672230	20	—	—
397950 2008 YA_{56}	17.8	X	85.94546	290.98555	115.43740	5.53897	0.1950711	0.27381643	2.3487117	20	1 15.5	19.9
397951 2008 YD_{63}	16.7	X	89.61261	358.25117	277.20711	11.50554	0.1072309	0.23169919	2.6253449	20	11 13.0	20.7
397952 2008 YQ_{66}	17.3	X	39.48432	10.81408	46.09974	7.15344	0.1235175	0.27052400	2.3677300	20	—	—
397953 2008 YN_{74}	17.9	X	190.87190	258.38245	86.28321	4.20421	0.2402102	0.28217896	2.3020759	20	2 25.4	21.8
397954 2008 YX_{76}	16.7	X	116.66439	99.61574	129.76978	9.78409	0.0679754	0.22774598	2.6556382	20	10 18.5	20.7
397955 2008 YX_{88}	16.8	X	52.01899	61.63920	286.30206	12.65579	0.1289019	0.24686995	2.5166563	20	—	—
397956 2008 YH_{93}	17.2	X	207.49857	101.00759	105.13189	15.65681	0.0671000	0.24380407	2.5377105	20	12 29.8	20.5
397957 2008 YN_{93}	16.6	X	203.06412	99.72097	103.53113	13.92799	0.0909058	0.24137387	2.5547155	20	12 17.7	20.1
397958 2008 YQ_{93}	17.3	X	198.68096	61.61455	110.98652	5.90312	0.0807258	0.23431627	2.6057600	20	11 5.3	21.1
397959 2008 YT_{98}	17.5	X	121.97448	264.94793	112.52048	5.70942	0.1661906	0.27040744	2.3684104	20	1 24.9	20.4
397960 2008 YV_{103}	18.0	X	110.94553	267.38219	111.30216	3.34775	0.2189883	0.26874778	2.3781512	20	1 20.5	20.9
397961 2008 YR_{111}	17.1	X	233.14970	263.42307	264.66069	1.65959	0.1980368	0.24393481	2.5368037	20	11 23.8	20.5
397962 2008 YR_{117}	17.8	X	95.34892	255.39169	124.26644	6.19549	0.1430207	0.26405410	2.4062501	20	—	—
397963 2008 YY_{117}	17.6	X	94.43818	293.37459	79.90087	2.31025	0.1869775	0.26225376	2.4172500	20	—	—
397964 2008 YT_{118}	16.9	X	217.16971	341.78475	117.41747	7.29648	0.0330810	0.21955999	2.7212425	20	8 27.2	20.7
397965 2008 YK_{138}	17.1	X	70.75581	241.54012	115.54624	6.25118	0.1607334	0.25316821	2.4747420	20	—	—
397966 2008 YT_{142}	17.7	X	142.22971	238.82901	103.30018	4.23057	0.1471936	0.26532715	2.3985471	20	1 1.3	21.0
397967 2008 YE_{146}	17.5	X	15.22977	99.20771	131.17053	6.48280	0.1224337	0.28585664	2.2822884	20	6 1.9	19.5
397968 2008 YQ_{168}	17.6	X	269.83167	265.99663	199.70822	1.23928	0.1611833	0.23843843	2.5756403	20	10 27.9	20.7
397969 2008 YX_{170}	16.2	X	230.00471	270.41381	129.79560	13.74767	0.2140813	0.21552326	2.7551164	20	6 8.1	20.9
397970 2009 AV_{11}	16.5	X	197.78537	237.96760	299.09564	8.91226	0.1067906	0.23287909	2.6164697	20	11 1.1	20.5
397971 2009 AW_{17}	16.7	X	198.68724	106.43134	92.33199	2.79195	0.1241347	0.23953829	2.5677501	20	12 2.3	20.4
397972 2009 AY_{33}	18.0	X	107.59880	324.82047	43.38218	3.14486	0.2119998	0.26391382	2.4071027	20	1 1.8	20.9
397973 2009 AO_{43}	17.6	X	281.62546	325.84271	152.57826	6.02474	0.0861399	0.24037711	2.5617730	20	12 14.1	20.7
397974 2009 AO_{44}	17.4	X	260.66534	163.06143	306.68195	4.49419	0.0871394	0.23351172	2.6117419	20	10 27.6	20.9
397975 2009 AF_{45}	18.0	X	82.90250	123.40120	263.91775	1.45226	0.2401545	0.26204850	2.4185121	20	—	—
397976 2009 AN_{48}	17.2	X	69.39935	63.80440	315.63088	4.58748	0.1926974	0.25807633	2.4432651	20	—	—
397977 2009 AB_{49}	16.5	X	227.36341	77.40824	61.48981	14.00315	0.2101587	0.23129844	2.6283765	20	10 13.9	20.6
397978 2009 AV_{49}	17.3	X	270.15531	1.60573	75.76535	5.20026	0.0758214	0.22969066	2.6406276	20	10 3.6	20.6
397979 2009 BQ_{16}	16.9	X	184.31092	56.11474	152.39183	8.21298	0.0735199	0.23265115	2.6181784	20	12 3.6	20.8
397980 2009 BH_{53}	17.5	X	295.03626	346.04940	117.59341	5.85660	0.1578250	0.23994801	2.5648262	20	12 10.4	20.0
397981 2009 BC_{67}	17.6	X	249.65794	287.24481	192.58526	1.92818	0.0341651	0.22894780	2.6463365	20	11 4.2	21.1
397982 2009 BA_{77}	16.9	X	312.95008	351.87978	91.16265	8.54095	0.2438082	0.24074814	2.5591403	20	12 16.7	18.7
397983 2009 BS_{78}	17.2	X	179.07060	73.90775	93.22491	5.80485	0.2246374	0.22281879	2.6946447	20	9 29.8	21.8
397984 2009 BS_{86}	17.5	X	231.89317	40.66451	130.71740	4.52422	0.0520495	0.23813480	2.5778292	20	12 16.9	21.0
397985 2009 BC_{88}	17.2	X	190.12373	68.06479	116.12622	3.83966	0.0311199	0.23089664	2.6314248	20	11 13.3	20.8
397986 2009 BA_{89}	17.2	X	300.11087	309.72717	134.70920	5.67543	0.1977400	0.23868557	2.5738621	20	11 19.9	19.5
397987 2009 BC_{93}	17.2	X	159.26177	42.62516	195.12601	1.63700	0.1322751	0.23306970	2.6150430	20	12 8.4	21.1
397988 2009 BK_{99}	16.8	X	186.64649	255.47295	282.06072	11.04900	0.1824865	0.22849378	2.6498409	20	10 13.3	21.3
397989 2009 BT_{99}	16.7	X	319.89244	339.58289	112.85292	20.51503	0.1957319	0.24380744	2.5376871	20	—	—
397990 2009 BU_{99}	16.5	X	318.74526	341.53664	53.48406	7.22165	0.3469731	0.23571608	2.5954335	20	10 6.7	17.6
397991 2009 BH_{110}	16.0	X	73.50682	303.01705	140.60903	11.46028	0.0306166	0.17498423	3.1657025	20	2 10.2	20.5
397992 2009 BS_{114}	17.1	X	184.26915	103.84225	74.64534	4.10721	0.1067131	0.22708253	2.6608082	20	10 23.5	21.1
397993 2009 BS_{128}	16.4	X	120.20645	246.32937	352.60837	12.91392	0.1643544	0.22113997	2.7082654	20	10 28.7	20.9
397994 2009 BO_{133}	17.6	X	203.52209	292.80235	257.04465	0.84465	0.0934755	0.23528522	2.5986011	20	11 28.9	21.1
397995 2009 BY_{137}	17.3	X	234.32532	356.76142	126.50469	4.45800	0.1803969	0.22881553	2.6473562	20	9 30.7	21.1
397996 2009 BV_{147}	17.2	X	220.57900	355.57850	158.60368	13.92779	0.1227480	0.22827473	2.6515358	20	11 2.7	21.2
397997 2009 BT_{166}	16.9	X	42.19560	201.77605	16.54167	4.95605	0.2167817	0.19460330	2.9491888	20	7 15.0	20.4
397998 2009 BY_{166}	17.0	X	287.75909	310.76209	142.62280	13.76199	0.2312424	0.23579843	2.5948292	20	11 5.2	19.8
397999 2009 BX_{175}	16.4	X	162.86235	274.61347	179.24571	10.89982	0.0865422	0.19898437	2.9057399	20	6 12.9	21.0
398000 2009 BN_{176}	15.9	X	109.11468	269.85765	159.36980	18.17889	0.1280852	0.18317706	3.0705912	20	3 21.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398001 2009 BZ_{176}	17.1	X	253.28432	359.43507	148.94097	6.68276	0.0537140	0.23748927	2.5824983	20	12 15.6	20.5
398002 2009 BE_{179}	16.4	X	267.05982	17.55971	104.45504	14.57123	0.0724292	0.23456994	2.6038811	20	11 29.7	19.8
398003 2009 BY_{182}	16.4	X	183.37634	84.69213	176.21973	14.92592	0.1112355	0.23471521	2.6028066	20	—	—
398004 2009 BU_{183}	16.4	X	268.90504	152.80881	300.71012	11.40305	0.2626241	0.23121158	2.6290348	20	9 14.9	20.0
398005 2009 BY_{185}	16.5	X	204.79840	110.81743	75.64772	9.60538	0.0835600	0.23254433	2.6189802	20	11 27.3	20.0
398006 2009 BO_{187}	16.9	X	277.94942	3.09537	106.89964	8.72787	0.1429752	0.23688291	2.5869035	20	11 20.8	19.8
398007 2009 BE_{188}	16.5	X	154.28052	277.03208	269.07264	6.65373	0.1362518	0.21968696	2.7201939	20	9 26.4	21.0
398008 2009 BA_{190}	16.3	X	240.85797	338.79803	80.60342	10.53591	0.1347896	0.21519840	2.7578884	20	7 20.8	20.4
398009 2009 CT_{6}	16.9	X	287.88531	187.77239	267.99519	4.56477	0.2267837	0.23810815	2.5780216	20	11 3.1	19.4
398010 2009 CS_{13}	16.6	X	161.99218	92.86891	115.88664	15.90035	0.1937406	0.22645722	2.6657041	20	11 9.2	21.3
398011 2009 CU_{26}	16.5	X	127.71879	257.20879	345.12719	11.24692	0.1242424	0.22471473	2.6794667	20	11 8.5	20.9
398012 2009 CC_{32}	16.8	X	201.95991	108.08743	341.58641	7.27174	0.1552895	0.21058034	2.7980631	20	7 17.1	21.3
398013 2009 CL_{39}	17.4	X	189.25854	32.64011	127.46053	11.01953	0.2349545	0.22235953	2.6983537	20	9 30.2	22.1
398014 2009 CN_{53}	16.5	X	232.96276	297.17251	207.03169	29.77833	0.3186687	0.23392900	2.6086351	20	10 6.6	20.8
398015 2009 CB_{64}	17.5	X	329.03487	139.11166	78.16951	4.84045	0.1637611	0.26681728	2.3896085	20	2 9.6	20.2
398016 2009 DR_{9}	16.9	X	247.83658	2.41131	126.09724	6.95998	0.1910804	0.23149056	2.6269221	20	10 23.9	20.5
398017 2009 DG_{12}	16.9	X	214.89365	77.66969	89.45226	11.81745	0.0685045	0.23296376	2.6158358	20	11 19.0	20.5
398018 2009 DD_{13}	16.7	X	312.30842	262.28776	174.23653	21.83341	0.0472669	0.22937563	2.6430449	20	12 5.4	20.5
398019 2009 DM_{13}	16.4	X	70.06572	104.87342	345.04083	10.71833	0.1858824	0.17677769	3.1442549	20	3 4.7	20.3
398020 2009 DV_{19}	16.1	X	218.19681	11.65295	97.35270	14.70668	0.1568834	0.21826134	2.7320261	20	8 30.8	20.5
398021 2009 DD_{23}	17.3	X	21.52328	192.07961	141.51232	5.35976	0.0516928	0.22157891	2.7046876	20	10 28.5	20.8
398022 2009 DN_{23}	16.7	X	328.18995	35.97243	355.16306	8.49333	0.0752772	0.22405400	2.6847318	20	10 22.9	20.0
398023 2009 DX_{27}	16.9	X	316.28161	264.21118	152.14619	9.96169	0.0605234	0.22948982	2.6421680	20	11 15.2	20.3
398024 2009 DO_{38}	16.9	X	39.34078	203.57328	163.07284	12.87506	0.1795472	0.23550815	2.5969609	20	—	—
398025 2009 DF_{41}	16.1	X	159.02339	26.75031	147.29728	9.60104	0.1014950	0.21790834	2.7349758	20	9 21.7	20.3
398026 2009 DH_{64}	16.9	X	10.95882	300.77069	49.54315	7.30312	0.0216067	0.22081333	2.7109355	20	10 30.7	20.3
398027 2009 DQ_{89}	16.5	X	39.65432	233.56553	131.64716	22.45657	0.0297013	0.23926686	2.5696917	20	—	—
398028 2009 DX_{90}	17.4	X	151.14697	313.82354	220.91888	1.46136	0.1634919	0.21521508	2.7577459	20	9 12.2	21.9
398029 2009 DK_{99}	16.7	X	358.97829	229.67622	136.75728	6.12658	0.0788127	0.22318510	2.6916954	20	11 11.9	20.0
398030 2009 DB_{100}	16.8	X	293.50662	310.97560	150.58959	12.14371	0.1530468	0.23351274	2.6117343	20	12 4.5	19.8
398031 2009 DU_{104}	17.1	X	162.45381	164.28594	18.45663	5.04161	0.0619078	0.21573037	2.7533528	20	10 4.8	21.1
398032 2009 DM_{110}	16.9	X	160.56751	111.30145	102.94484	13.39788	0.2857696	0.21909461	2.7250946	20	11 10.0	22.0
398033 2009 DU_{115}	17.1	X	148.26537	74.96477	144.96776	5.57782	0.0896919	0.22423494	2.6832874	20	11 7.3	21.2
398034 2009 DH_{128}	17.9	X	180.18924	21.29572	178.05120	6.33709	0.0799520	0.22685894	2.6625562	20	11 15.9	21.9
398035 2009 DY_{128}	15.9	X	343.55450	243.25701	14.10738	18.01229	0.2080249	0.18368952	3.0648776	20	4 29.3	19.4
398036 2009 DJ_{130}	17.0	X	238.56157	357.67838	122.98519	6.00366	0.1291007	0.22265798	2.6959420	20	10 9.3	20.8
398037 2009 DN_{134}	15.7	X	59.68761	315.93373	204.25392	29.21897	0.2295839	0.18235159	3.0798508	20	5 25.1	20.0
398038 2009 DD_{139}	17.0	X	111.17559	119.69468	169.87314	11.77111	0.2129331	0.22603949	2.6689873	20	12 26.7	21.8
398039 2009 EB_{25}	17.0	X	81.89134	243.02335	288.80021	1.61831	0.0360427	0.19333641	2.9620584	20	6 10.5	20.9
398040 2009 EK_{27}	17.5	X	235.12751	320.83056	171.65011	5.45139	0.1069915	0.22573039	2.6714232	20	10 22.5	21.1
398041 2009 EN_{30}	16.9	X	154.70774	314.72377	226.20859	10.58203	0.2398463	0.21416755	2.7667310	20	9 20.1	21.9
398042 2009 FC	16.3	X	190.22321	91.42703	50.87551	9.68242	0.2184528	0.21751001	2.7383138	20	9 10.6	21.0
398043 2009 FF_{15}	16.9	X	128.26019	298.35826	318.77881	10.79030	0.1575707	0.23010181	2.6374811	20	12 1.0	21.4
398044 2009 FP_{15}	17.7	X	221.28832	353.18500	141.54667	3.07605	0.1499888	0.22438362	2.6821019	20	10 3.2	21.6
398045 Vitudurum	16.4	X	109.91579	58.78351	153.92077	14.90530	0.1222653	0.20919077	2.8104403	20	9 19.6	20.7
398046 2009 FB_{28}	15.8	X	90.31286	53.55106	102.58991	11.40026	0.0414078	0.19334032	2.9620185	20	6 3.5	19.9
398047 2009 FH_{37}	17.1	X	241.70194	41.15020	80.80440	3.98980	0.1217172	0.22250102	2.6972097	20	10 14.9	20.8
398048 2009 FM_{40}	17.2	X	188.94544	82.25880	59.20103	8.07314	0.2345285	0.21829571	2.7317393	20	9 7.1	22.0
398049 2009 FL_{65}	16.7	X	307.37565	186.17219	183.46646	6.20255	0.0425673	0.20903580	2.8118292	20	8 23.7	20.4
398050 2009 FU_{68}	15.7	X	325.34931	65.09931	221.85837	25.57120	0.1159316	0.18006248	3.1058983	20	5 22.9	19.7
398051 2009 FK_{70}	16.6	X	110.53103	295.80318	42.13334	15.38435	0.1194865	0.23401519	2.6079946	20	—	—
398052 2009 GS_{3}	17.1	X	144.11339	52.71673	199.32994	9.50969	0.1893470	0.22048258	2.7136460	20	12 8.8	21.7
398053 2009 HB_{6}	16.7	X	327.54601	231.80657	150.76293	6.71586	0.0212735	0.21155837	2.7894328	20	10 13.7	20.4
398054 2009 HO_{15}	17.0	X	60.36723	254.48924	33.06960	5.06978	0.1383677	0.21095127	2.7947821	20	10 28.4	20.7
398055 2009 HF_{17}	17.0	X	172.53066	326.13871	204.16271	4.10917	0.0598347	0.21207144	2.7849320	20	9 28.9	20.9
398056 2009 HA_{20}	16.3	X	180.67132	151.82448	57.57424	9.12251	0.1720791	0.22256161	2.6967201	20	11 20.1	20.5
398057 2009 HP_{25}	16.3	X	127.37874	268.33019	41.02619	13.64902	0.0756705	0.23464303	2.6033403	20	—	—
398058 2009 HR_{25}	16.1	X	117.96055	242.65835	204.01723	10.60649	0.1627257	0.18066888	3.0989447	20	4 24.5	20.7
398059 2009 HV_{35}	16.5	X	245.14700	290.16622	78.97464	12.29206	0.0757843	0.18280460	3.0747605	20	5 28.1	21.0
398060 2009 HG_{38}	17.0	X	242.10514	338.98729	114.95026	6.11238	0.1243201	0.21543413	2.7558762	20	9 8.1	20.9
398061 2009 HF_{46}	16.4	X	18.13173	75.88746	169.98227	11.13139	0.1305333	0.18582008	3.0414052	20	6 27.3	20.2
398062 2009 HF_{47}	16.7	X	82.69412	99.15746	189.61919	12.76491	0.1975345	0.21476839	2.7615684	20	11 30.7	21.2
398063 2009 HQ_{52}	16.6	X	149.19802	65.30239	57.37367	4.03844	0.0849771	0.19600535	2.9351080	20	7 4.2	21.0
398064 2009 HT_{62}	16.9	X	60.70697	223.57429	76.73967	5.43402	0.0852312	0.21576599	2.7530497	20	11 8.7	20.6
398065 2009 HH_{65}	16.2	X	205.19504	38.01268	79.93743	16.22855	0.0975456	0.20606728	2.8387688	20	9 4.1	20.8
398066 2009 HR_{66}	16.9	X	74.25334	118.47455	60.15230	6.26375	0.1018796	0.19188171	2.9770102	20	6 19.1	21.0
398067 2009 HK_{81}	15.7	X	322.20107	88.63899	204.93854	15.79914	0.2430829	0.18125911	3.0922136	20	5 10.3	19.3
398068 2009 HW_{96}	16.6	X	69.14447	115.57185	98.30563	14.25591	0.0946841	0.19156038	2.9803385	20	7 29.0	20.8
398069 2009 HC_{97}	17.7	X	100.06023	94.01605	177.18035	23.46483	0.0926382	0.38682395	1.8654938	20	12 22.7	20.6
398070 2009 HO_{99}	16.8	X	56.38976	46.14501	221.11099	9.94146	0.1030363	0.19966810	2.8991027	20	9 17.5	21.0
398071 2009 HT_{99}	16.7	X	56.57475	16.94413	221.14538	3.84683	0.1018613	0.19589043	2.9362559	20	8 11.6	20.6
398072 2009 HB_{104}	16.7	X	326.40072	149.48483	176.95941	1.37811	0.3085803	0.18465469	3.0541884	20	6 23.5	19.4
398073 2009 HR_{104}	16.5	X	315.70058	119.83743	188.05352	16.43590	0.0219666	0.18438999	3.0571106	20	6 15.9	21.0
398074 2009 HZ_{104}	16.6	X	126.71483	128.06195	187.95361	14.16899	0.1270408	0.22814536	2.6525380	20	—	—
398075 2009 HM_{105}	16.8	X	126.97963	90.56731	75.27267	12.60728	0.2463046	0.19893837	2.9061879	20	8 18.7	22.0
398076 2009 JF_{6}	16.3	X	114.95090	74.21886	84.99502	16.93884	0.0665341	0.19054191	2.9909492	20	7 9.9	20.8
398077 2009 JG_{6}	16.4	X	109.73561	210.30199	98.00362	12.40695	0.1027660	0.22155915	2.7048484	20	—	—
398078 2009 JT_{8}	16.2	X	53.50550	84.40922	95.22448	10.67739	0.2381980	0.18340859	3.0680065	20	6 12.8	19.9
398079 2009 JT_{11}	16.0	X	338.06615	111.52568	121.44671	15.81181	0.1567377	0.17365160	3.1818780	20	4 5.3	20.1
398080 2009 JW_{13}	17.2	X	16.15738	221.91204	66.82376	3.27764	0.1604692	0.19081901	2.9880529	20	8 28.4	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398081 2009 JB_{17}	16.6	X	169.06110	22.30447	231.89372	8.86837	0.1761201	0.22505660	2.6767525	20	12 31.9	21.0
398082 2009 KR_{2}	16.7	X	68.20241	200.55630	51.63375	8.97864	0.1694860	0.20131907	2.8832310	20	9 30.0	20.9
398083 2009 KJ_{5}	16.4	X	169.98851	317.14025	138.60643	10.95513	0.0730032	0.18797635	3.0181020	20	6 22.4	21.1
398084 2009 KU_{5}	17.0	X	109.80114	198.18283	144.51697	12.13929	0.0513384	0.23119104	2.6291905	20	—	—
398085 2009 KP_{13}	16.1	X	326.20788	221.70650	103.99905	11.22043	0.1219284	0.19040437	2.9923894	20	7 16.5	19.6
398086 2009 KY_{13}	16.0	X	259.60538	244.18760	90.27897	12.81835	0.1259227	0.17462782	3.1700085	20	4 29.8	20.9
398087 2009 LC_{3}	16.3	X	14.13091	203.65824	216.97101	29.16183	0.1653376	0.22700812	2.6613896	20	—	—
398088 2009 MB_{3}	15.7	X	357.44528	150.12264	121.23392	11.93813	0.1482571	0.17455809	3.1708526	20	6 25.7	19.4
398089 2009 MB_{10}	16.0	X	286.07714	235.22979	132.24371	11.21198	0.3589512	0.16957119	3.2327193	20	6 5.2	20.8
398090 2009 OM_{15}	15.2	X	7.08014	164.12675	119.70465	28.51943	0.1612505	0.17608449	3.1525016	20	8 1.0	18.7
398091 2009 OM_{21}	13.7	X	319.96015	10.03464	36.54294	24.05784	0.0906895	0.08225010	5.2365479	20	10 11.0	20.3
398092 2009 OR_{25}	15.8	X	4.13660	291.05079	33.85713	9.36585	0.1419485	0.18392851	3.0622221	20	9 24.3	19.4
398093 2009 QE_{5}	15.7	X	322.16814	204.05099	150.43051	11.34497	0.3102564	0.17466567	3.1695506	20	7 23.2	18.8
398094 2009 QQ_{15}	17.3	X	195.29156	194.63332	160.15480	8.60475	0.2079304	0.23375353	2.6099404	20	3 13.9	21.6
398095 2009 QJ_{65}	13.2	X	221.25771	62.40029	72.22943	20.28759	0.0504255	0.08500492	5.1227915	20	10 4.9	20.4
398096 2009 RD_{55}	15.7	X	346.46021	206.57532	191.76335	10.00458	0.0968160	0.18469525	3.0537412	20	11 25.0	19.6
398097 2009 RV_{75}	15.5	X	350.84632	47.30197	285.12144	9.16917	0.0864399	0.17569612	3.1571456	20	8 30.5	19.6
398098 2009 SX_{5}	16.6	X	9.01124	195.34472	148.62197	1.47951	0.1705913	0.18192209	3.0846964	20	10 27.7	20.3
398099 2009 SM_{22}	15.9	X	34.23999	62.63091	173.96931	19.85705	0.1287651	0.17155260	3.2077795	20	7 9.6	20.4
398100 2009 ST_{25}	15.6	X	229.56267	271.16400	200.26872	9.87355	0.0580803	0.17573609	3.1566668	20	9 14.9	20.3
398101 2009 SN_{47}	15.9	X	305.67026	181.14257	209.72503	17.22679	0.1192752	0.17198460	3.2024056	20	9 1.6	20.2
398102 2009 SB_{131}	16.2	X	0.74838	219.41329	120.38141	2.43523	0.1707513	0.17723457	3.1388490	20	10 7.2	19.8
398103 2009 SR_{157}	18.0	X	350.12326	139.54302	356.70172	5.52611	0.1875942	0.29994731	2.2102399	20	—	—
398104 2009 SQ_{183}	13.8	X	0.45969	335.39988	5.89659	18.64016	0.0238190	0.08162913	5.2630714	20	9 16.6	20.7
398105 2009 SA_{201}	15.5	X	288.60374	213.65775	203.08889	16.33096	0.1672571	0.17211115	3.2008357	20	9 3.5	19.9
398106 2009 SE_{240}	15.3	X	329.89066	315.99250	29.85409	23.61119	0.1640401	0.17315540	3.1879538	20	8 29.7	19.5
398107 2009 SL_{241}	15.7	X	13.93954	62.82155	249.38004	14.68612	0.2219640	0.17628823	3.1500722	20	9 22.0	19.6
398108 2009 SF_{243}	15.5	X	349.98487	32.81032	298.40404	16.40061	0.2359158	0.17708884	3.1405708	20	8 28.5	18.9
398109 2009 SD_{248}	14.6	X	244.72366	319.59499	143.38659	4.00832	0.1056420	0.08047717	5.3131765	20	9 7.7	21.8
398110 2009 SJ_{284}	17.6	X	46.95257	152.16001	218.39441	20.74076	0.0860927	0.38044789	1.8862790	20	—	—
398111 2009 SB_{304}	17.6	X	31.14457	201.41835	199.51176	21.64621	0.0276744	0.38270649	1.8788502	20	—	—
398112 2009 TR_{31}	15.3	X	7.67825	97.63851	240.62984	20.50085	0.2776977	0.17957822	3.1114794	20	10 29.4	18.7
398113 2009 UD_{90}	16.7	X	291.76225	277.65335	79.39221	4.51645	0.3455771	0.16273699	3.3226035	20	5 29.9	21.4
398114 2009 UB_{134}	18.5	X	306.38148	322.30464	36.39192	21.04358	0.1055378	0.35098370	1.9904201	20	9 7.9	20.6
398115 2009 UM_{141}	18.3	X	74.24051	43.16844	59.40498	2.85782	0.1281906	0.30897064	2.1669950	20	3 2.7	20.1
398116 2009 VM_{56}	16.3	X	50.80195	348.42545	305.48720	0.19689	0.1647878	0.17676664	3.1443859	20	10 22.3	20.6
398117 2009 VP_{80}	15.3	X	287.73986	265.21383	155.22021	26.00774	0.2568752	0.16998616	3.2274561	20	8 27.7	19.5
398118 2009 WZ_{107}	13.9	X	171.31882	147.26736	56.55542	16.53203	0.0103625	0.08476813	5.1323270	20	10 24.7	20.8
398119 2009 XL_{11}	17.2	X	299.15990	257.35730	286.41095	5.49652	0.1690994	0.28366313	2.2940390	20	—	—
398120 2010 AM_{61}	18.5	X	71.43683	339.30976	95.97379	3.82119	0.1626495	0.29564849	2.2316133	20	1 21.3	20.3
398121 2010 AF_{70}	16.8	X	303.36375	83.94274	359.29946	5.97280	0.1210188	0.26211918	2.4180773	20	12 4.9	19.3
398122 2010 AX_{87}	14.1	X	340.58647	252.02685	112.70614	8.44087	0.0947013	0.08396898	5.1648391	20	9 18.0	20.5
398123 2010 BF_{59}	17.4	X	181.46379	325.16623	244.43402	11.56734	0.1272979	0.24383150	2.5375202	20	11 27.9	21.0
398124 2010 BE_{72}	16.6	X	33.47867	137.56056	231.76706	11.41408	0.0694134	0.24662329	2.5183340	20	—	—
398125 2010 CN_{18}	16.4	X	312.27003	14.49375	152.44398	25.38029	0.1766893	0.27532728	2.3401115	20	—	—
398126 2010 CO_{52}	17.2	X	99.65565	245.34111	54.39207	12.74889	0.2715610	0.23373250	2.6100970	20	—	—
398127 2010 CF_{64}	17.9	X	226.05852	254.55620	302.86747	2.65200	0.0759110	0.26615648	2.3935620	20	—	—
398128 2010 CE_{65}	18.2	X	316.31160	127.05884	6.50240	2.74835	0.1238574	0.27018970	2.3696826	20	—	—
398129 2010 CJ_{65}	18.2	X	323.35440	113.41283	1.49940	4.65617	0.1597962	0.26873652	2.3782176	20	—	—
398130 2010 CH_{97}	18.2	X	31.82664	107.11289	328.20888	2.44162	0.0717688	0.27929945	2.3178714	20	—	—
398131 2010 CF_{104}	18.1	X	219.15630	160.53275	65.14799	1.70255	0.1962115	0.26098109	2.4251021	20	—	—
398132 2010 CM_{120}	17.2	X	242.03882	232.17830	343.35222	11.15749	0.2021525	0.26851222	2.3795418	20	—	—
398133 2010 CR_{120}	17.6	X	50.93453	1.45059	104.52003	3.64111	0.0912199	0.29218128	2.2492331	20	1 22.9	19.5
398134 2010 CK_{123}	17.7	X	18.99396	307.99284	163.77360	6.82630	0.0472664	0.28355170	2.2946399	20	—	—
398135 2010 CO_{134}	17.7	X	162.12979	149.05486	141.90211	5.47047	0.1048308	0.25256457	2.4786836	20	—	—
398136 2010 CO_{137}	18.5	X	311.28878	185.24674	331.01270	2.12063	0.1050982	0.27698827	2.3307470	20	—	—
398137 2010 CX_{140}	17.6	X	284.73930	133.67633	51.79685	3.04197	0.1658913	0.27415943	2.3467523	20	—	—
398138 2010 CG_{142}	17.2	X	3.77640	212.43999	290.34250	4.32553	0.0812501	0.29001126	2.2604391	20	—	—
398139 2010 CO_{146}	17.3	X	301.66888	354.89238	156.73799	6.34794	0.1429966	0.27112278	2.3642426	20	—	—
398140 2010 CR_{152}	17.9	X	256.19930	81.05205	154.00092	1.42387	0.1216480	0.27989308	2.3145929	20	—	—
398141 2010 CY_{158}	17.6	X	260.35502	270.36729	351.64886	8.40538	0.1871667	0.28050862	2.3112056	20	1 14.2	21.3
398142 2010 CF_{183}	17.7	X	221.31458	117.51540	135.41889	2.15152	0.1531095	0.26857285	2.3791837	20	—	—
398143 2010 CK_{203}	15.9	X	302.89239	139.20333	42.71999	16.74955	0.0643690	0.16993631	3.2280873	20	—	—
398144 2010 DE_{41}	17.1	X	220.50830	271.68122	320.82826	9.91808	0.2146105	0.26477603	2.4018743	20	—	—
398145 2010 DH_{75}	18.7	X	275.19786	19.68240	152.48691	1.72327	0.1146040	0.26676971	2.3898925	20	—	—
398146 2010 ED_{36}	17.0	X	272.11905	184.47469	7.96880	5.67023	0.1397416	0.26694023	2.3888746	20	—	—
398147 2010 EF_{36}	17.3	X	290.96774	337.16532	187.21072	10.92970	0.1528139	0.26634005	2.3924621	20	—	—
398148 2010 EB_{38}	16.7	X	162.41749	276.46613	31.25571	6.85123	0.1084857	0.26270867	2.4144587	20	—	—
398149 2010 EM_{68}	17.2	X	152.81182	130.36600	100.78255	3.69599	0.0864228	0.24487566	2.5303017	20	11 28.2	20.8
398150 2010 ES_{70}	18.1	X	243.17269	345.98852	213.44688	2.00693	0.1587556	0.26052142	2.4279538	20	—	—
398151 2010 EA_{71}	18.0	X	231.96738	231.56790	3.65980	1.14813	0.1272777	0.26469172	2.4023843	20	—	—
398152 2010 EP_{74}	17.1	X	46.03549	46.12034	33.58060	6.37189	0.1283926	0.28114266	2.3077294	20	—	—
398153 2010 EO_{102}	17.8	X	243.99379	16.46298	209.45478	2.11742	0.1167666	0.26627998	2.3928219	20	—	—
398154 2010 EE_{107}	17.2	X	109.74434	231.68944	11.66748	3.83723	0.1321233	0.23388643	2.6089517	20	10 28.6	21.1
398155 2010 ER_{108}	17.7	X	233.74728	90.07415	128.31224	5.73646	0.1850732	0.26082457	2.4260722	20	—	—
398156 2010 ES_{113}	17.4	X	215.98443	157.05770	13.74443	20.62839	0.0720490	0.35006247	1.9939106	20	12 20.7	20.0
398157 2010 EG_{120}	18.3	X	231.73011	85.72547	164.08647	2.59017	0.1554425	0.27241880	2.3567382	20	—	—
398158 2010 EM_{122}	17.5	X	310.04715	282.24691	216.51861	8.26131	0.1570223	0.26532449	2.3985631	20	—	—
398159 2010 FU_{11}	16.8	X	58.48595	296.57140	31.51958	3.55890	0.1344832	0.24737873	2.5132044	20	12 22.8	20.4
398160 2010 FK_{17}	17.8	X	216.04198	126.52153	144.89741	5.69828	0.2121862	0.27147125	2.3622190	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398161 2010 FX_{24}	16.6	X	114.23406	202.37847	4.42461	12.84725	0.1291134	0.22570549	2.6716197	20	9 18.5	20.6
398162 2010 FU_{26}	17.0	X	343.23403	67.35043	65.47013	7.25033	0.0733252	0.27366744	2.3495641	20	—	—
398163 2010 FS_{47}	17.4	X	250.67386	186.82635	14.10854	5.23527	0.1322496	0.26351971	2.4095021	20	—	—
398164 2010 FD_{95}	18.1	X	177.53442	70.83361	200.99363	1.99171	0.1966581	0.25664943	2.4523127	20	—	—
398165 2010 FM_{99}	17.9	X	221.15601	263.25173	9.04453	1.35541	0.1761942	0.27222037	2.3578833	20	—	—
398166 2010 GG_{32}	17.2	X	235.33017	189.19205	85.45714	6.15837	0.2156603	0.27179099	2.3603660	20	1 6.4	21.1
398167 2010 GQ_{81}	16.8	X	67.67922	1.63319	265.96745	7.04934	0.1859808	0.21352041	2.7723184	20	10 15.7	21.0
398168 2010 GY_{104}	17.1	X	148.03301	312.97449	204.29097	4.07301	0.0682388	0.22293224	2.6937304	20	8 15.8	21.1
398169 2010 GY_{127}	17.3	X	193.35228	234.41765	27.67915	4.30998	0.1292898	0.25706803	2.4496498	20	—	—
398170 2010 GO_{133}	17.4	X	202.92564	75.27982	57.26457	12.41066	0.1448812	0.23132762	2.6281555	20	9 18.2	21.6
398171 2010 GF_{159}	17.5	X	231.80639	236.35754	9.20381	3.34700	0.1723672	0.26882600	2.3776898	20	—	—
398172 2010 HN_{23}	17.4	X	167.36238	134.38948	72.70140	12.51216	0.1168122	0.23915494	2.5704933	20	11 12.9	21.4
398173 2010 HZ_{24}	17.8	X	120.48416	80.01398	205.32485	3.78697	0.2157338	0.23007168	2.6377114	20	12 29.6	22.3
398174 2010 HT_{37}	16.9	X	71.69161	146.08854	154.49464	8.74951	0.1966376	0.21914937	2.7246406	20	12 5.3	21.3
398175 2010 HW_{97}	16.6	X	52.33600	180.97253	168.79918	14.13904	0.1553590	0.22282131	2.6946244	20	—	—
398176 2010 JW_{31}	17.2	X	92.76066	111.87314	181.96321	13.57146	0.1373946	0.23376207	2.6098769	20	12 14.2	21.5
398177 2010 JE_{38}	16.5	X	358.75314	260.56710	35.96942	9.31816	0.2134340	0.21074849	2.7965746	20	8 15.9	19.2
398178 2010 JS_{74}	16.2	X	169.53852	101.16693	59.17628	15.92281	0.0466449	0.22403427	2.6848894	20	9 24.8	20.3
398179 2010 JD_{78}	17.4	X	190.62047	352.11660	209.56862	5.99055	0.0941560	0.24136622	2.5547695	20	11 30.9	21.0
398180 2010 JE_{105}	16.4	X	82.48525	148.88774	185.90519	11.97425	0.2704330	0.22516528	2.6758911	20	—	—
398181 2010 JC_{113}	16.8	X	94.52329	203.60939	103.42732	14.80035	0.1775165	0.23688764	2.5868690	20	—	—
398182 2010 JC_{174}	17.8	X	156.95524	234.97383	67.26508	7.74976	0.1098910	0.25578314	2.4578466	20	—	—
398183 2010 JF_{178}	16.6	X	150.86324	312.07866	249.17683	9.66476	0.0899864	0.23384846	2.6092341	20	10 14.4	20.7
398184 2010 KX_{60}	16.6	X	94.79624	169.61021	170.71309	13.31613	0.3461734	0.22749532	2.6575885	20	—	—
398185 2010 KT_{61}	15.3	X	208.11688	316.54380	278.41795	29.10286	0.1542328	0.23597771	2.5935148	20	—	—
398186 2010 KY_{119}	16.5	X	2.21705	322.80803	331.15844	9.88682	0.0792122	0.19154220	2.9805270	20	8 4.8	20.2
398187 2010 KK_{128}	16.8	X	219.49771	331.10523	209.99522	15.42773	0.1443353	0.24221883	2.5487708	20	12 1.9	20.5
398188 Agni	19.4	X	320.20370	328.62742	134.21749	13.24915	0.2734542	1.22654583	0.8643312	20	—	—
398189 2010 LY_{65}	16.6	X	60.37642	154.30469	165.90559	9.90037	0.2013128	0.21532687	2.7567914	20	12 16.6	21.0
398190 2010 LW_{82}	15.7	X	276.47723	120.35386	201.01106	25.52922	0.1833589	0.17461316	3.1701860	20	4 20.8	20.4
398191 2010 LO_{110}	17.7	X	221.75818	192.20280	89.77171	2.67790	0.1679407	0.26462367	2.4027961	20	1 5.3	21.4
398192 2010 MM_{6}	17.0	X	130.25227	73.17192	248.31911	10.69555	0.2130223	0.23296186	2.6158500	20	—	—
398193 2010 MR_{8}	15.4	X	260.63855	200.98056	174.07908	27.98092	0.1263048	0.17976564	3.1093165	20	6 16.8	20.5
398194 2010 ME_{20}	15.7	X	233.10532	249.19886	164.19545	18.43668	0.0887345	0.18096168	3.0956009	20	7 6.3	20.6
398195 2010 MZ_{25}	15.8	X	211.39378	236.66418	181.04138	15.45507	0.1037946	0.17557501	3.1585972	20	6 17.4	21.0
398196 2010 MJ_{30}	15.6	X	315.92864	68.65976	257.63471	13.22267	0.1349531	0.18354908	3.0664408	20	6 26.8	19.4
398197 2010 MR_{31}	17.0	X	324.25240	104.67960	226.95477	8.33931	0.1423903	0.18696732	3.0289510	20	7 16.6	20.7
398198 2010 MN_{64}	16.4	X	241.57691	231.89087	156.22285	2.29117	0.1914662	0.17428264	3.1741927	20	6 3.9	21.4
398199 2010 MF_{72}	16.5	X	337.59010	28.10882	249.88599	7.46898	0.1188017	0.17710855	3.1403378	20	5 30.8	20.4
398200 2010 MR_{74}	16.5	X	312.69001	343.98959	2.54751	9.45082	0.1530767	0.18587461	3.0408103	20	7 20.7	20.3
398201 2010 MQ_{96}	16.7	X	75.03693	272.91499	24.11060	14.90396	0.3230475	0.21388941	2.7691290	20	12 10.4	21.7
398202 2010 MC_{100}	16.5	X	280.15850	288.41789	80.45261	2.42988	0.1703495	0.18058983	3.0998489	20	6 25.5	20.7
398203 2010 MX_{105}	16.3	X	286.04629	203.69950	125.81410	3.14164	0.1596354	0.17472239	3.1688645	20	5 16.1	20.7
398204 2010 MU_{108}	17.0	X	57.93809	192.51153	209.55244	1.57053	0.2054701	0.22602011	2.6691398	20	—	—
398205 2010 MO_{115}	16.8	X	301.21774	162.27551	184.14210	3.37999	0.1717347	0.18199379	3.0838862	20	6 25.7	20.7
398206 2010 NP_{6}	16.0	X	30.13039	177.36944	138.43145	14.17117	0.1471691	0.20918919	2.8104545	20	10 31.8	19.9
398207 2010 ND_{28}	15.7	X	312.68624	56.32967	267.08564	8.11154	0.1101632	0.17906051	3.1174740	20	6 21.5	19.5
398208 2010 NX_{31}	16.1	X	4.36906	20.93398	280.30838	5.56541	0.0964035	0.18784780	3.0194787	20	8 15.1	19.9
398209 2010 ND_{81}	16.2	X	330.08152	309.58474	20.57621	11.06506	0.1964674	0.18555525	3.0442984	20	7 26.9	19.6
398210 2010 NQ_{87}	16.4	X	337.65432	121.78569	196.61856	15.73154	0.0808288	0.18497083	3.0507074	20	7 23.7	20.6
398211 2010 NC_{99}	16.5	X	310.09792	224.88967	113.57535	2.47662	0.1780470	0.18185725	3.0854296	20	6 28.5	20.3
398212 2010 NF_{105}	15.9	X	193.41664	297.46488	53.10127	10.67533	0.0445449	0.15047568	3.5007292	20	3 17.5	21.2
398213 2010 NV_{105}	15.8	X	270.82662	162.65212	191.69068	27.49287	0.1713058	0.17432392	3.1736916	20	5 27.0	20.8
398214 2010 NY_{106}	16.5	X	1.56785	147.71197	176.27276	9.85332	0.1035229	0.19194949	2.9763094	20	9 12.9	20.1
398215 2010 NX_{107}	16.0	X	289.28387	165.30410	210.70025	23.33806	0.1779274	0.18352591	3.0666988	20	7 11.0	20.6
398216 2010 NP_{117}	16.8	X	108.30559	160.39310	155.09004	13.46922	0.2904761	0.22912085	2.6450039	20	—	—
398217 2010 OD_{16}	15.8	X	245.34390	281.15440	123.66139	9.82646	0.1766814	0.17517110	3.1634508	20	6 29.5	20.8
398218 2010 OZ_{32}	16.5	X	326.60977	113.03660	232.40739	8.23098	0.1596867	0.18636511	3.0354725	20	8 6.4	20.1
398219 2010 OM_{63}	16.8	X	265.69003	162.28350	200.76262	10.03837	0.2335533	0.17291163	3.1909494	20	5 24.3	21.7
398220 2010 OZ_{71}	16.8	X	140.74290	45.42274	303.31113	11.29268	0.2060063	0.23655425	2.5892990	20	1 19.4	20.7
398221 2010 OW_{76}	15.7	X	277.77869	343.73419	16.62056	15.50779	0.2721813	0.17604499	3.1529731	20	5 23.7	20.6
398222 2010 OR_{89}	16.2	X	299.37261	179.72783	181.55003	5.66100	0.1527787	0.18046906	3.1012317	20	7 14.7	20.2
398223 2010 OW_{119}	16.0	X	318.28830	52.23520	276.13293	9.77558	0.1542294	0.17826609	3.1267289	20	7 1.7	19.6
398224 2010 OH_{125}	16.5	X	94.03510	193.84002	186.44712	13.21541	0.2698158	0.22879605	2.6475065	20	1 12.7	20.0
398225 2010 PR_{27}	15.6	X	86.81316	237.40401	327.74699	13.99204	0.0362174	0.17474206	3.1686268	20	7 31.8	20.1
398226 2010 PU_{30}	16.2	X	295.37067	288.65731	61.39160	10.35394	0.0947051	0.17505657	3.1648304	20	7 3.3	20.5
398227 2010 PV_{68}	15.7	X	293.33139	68.21557	270.07890	18.58874	0.1123735	0.17172384	3.2056467	20	6 12.6	20.0
398228 2010 PE_{73}	16.9	X	97.13020	159.94931	144.63613	5.00657	0.3067426	0.22433862	2.6824606	20	—	—
398229 2010 PJ_{78}	15.9	X	306.40376	305.81620	69.71144	9.13460	0.2745125	0.18429469	3.0581645	20	7 30.6	19.4
398230 2010 QQ_{1}	15.7	X	327.69466	292.37029	64.12700	13.77264	0.2283402	0.18646260	3.0344144	20	8 30.7	19.0
398231 2010 QS_{1}	16.2	X	139.29335	255.12111	68.97510	17.77153	0.3460669	0.23230668	2.6207660	20	1 2.1	20.7
398232 2010 QH_{4}	16.1	X	355.13027	38.88299	223.51786	9.56549	0.1166058	0.17960553	3.1111640	20	6 9.0	19.9
398233 2010 RK_{10}	16.4	X	229.89537	53.76970	349.17430	9.65624	0.0650235	0.17534486	3.1613606	20	6 22.6	21.2
398234 2010 RG_{17}	16.4	X	350.10477	182.65818	182.09808	15.21662	0.1399215	0.20394230	2.8584537	20	10 27.0	19.7
398235 2010 RS_{46}	15.6	X	213.24467	224.89570	174.86167	10.78981	0.1875204	0.17143463	3.2092509	20	5 25.0	21.0
398236 2010 RD_{52}	16.5	X	307.01233	218.09364	116.87266	1.93737	0.1787326	0.18063757	3.0993027	20	6 18.5	20.4
398237 2010 RE_{54}	16.0	X	260.69267	156.37030	197.45012	11.68830	0.1036835	0.17061104	3.2195707	20	5 23.9	20.8
398238 2010 RQ_{60}	16.3	X	289.02508	154.03700	200.22322	8.26997	0.1462726	0.17861604	3.1226435	20	6 21.8	20.6
398239 2010 RT_{71}	15.8	X	305.71124	318.98598	350.74223	10.12969	0.0825055	0.17689961	3.1428100	20	5 25.1	20.2
398240 2010 RA_{76}	16.2	X	35.36125	127.22403	192.19119	14.75089	0.1622310	0.20629518	2.8366777	20	11 10.7	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398241 2010 RL_{96}	16.7	X	144.30654	31.61949	211.58487	8.17399	0.1478660	0.21390218	2.7690189	20	11 28.1	21.2
398242 2010 RC_{102}	16.2	X	352.87625	104.05794	200.35430	11.38934	0.0814621	0.18378416	3.0638253	20	7 29.4	20.3
398243 2010 RH_{103}	17.1	X	74.65870	166.67939	202.32303	4.19244	0.1105318	0.22421726	2.6834284	20	—	—
398244 2010 RO_{107}	16.3	X	305.03427	328.32831	18.32751	11.47172	0.0934929	0.18043008	3.1016783	20	7 15.9	20.5
398245 2010 RX_{112}	16.2	X	280.76233	149.87085	222.80264	10.01035	0.0812813	0.18089396	3.0963734	20	7 12.5	20.6
398246 2010 RA_{113}	17.2	X	94.36882	43.35138	297.62184	4.90528	0.1688349	0.22430259	2.6827478	20	—	—
398247 2010 RK_{115}	16.5	X	16.58351	50.73876	223.89966	7.41050	0.0398673	0.18064041	3.0992702	20	7 24.1	20.8
398248 2010 RA_{117}	16.7	X	338.17962	227.56452	121.87013	4.58573	0.1697917	0.19164108	2.9795018	20	9 9.9	19.8
398249 2010 RA_{138}	16.1	X	33.31342	309.60354	318.26501	9.09764	0.0775633	0.18847184	3.0128099	20	8 14.8	20.0
398250 2010 RD_{143}	16.6	X	24.45460	25.99082	258.16495	3.14826	0.1521044	0.19178362	2.9780252	20	8 31.9	20.1
398251 2010 RA_{149}	16.5	X	17.86728	95.75440	219.62653	4.02352	0.0921920	0.19751636	2.9201198	20	9 26.2	20.3
398252 2010 RC_{168}	16.7	X	261.22537	227.47237	164.70191	1.78351	0.0874877	0.18349814	3.0670082	20	7 13.4	21.0
398253 2010 RC_{170}	16.9	X	318.03849	154.65088	204.58168	10.45856	0.1093007	0.18947447	3.0021721	20	8 15.1	20.8
398254 2010 RU_{173}	16.6	X	271.59141	19.55884	351.11421	1.55959	0.1381711	0.17733118	3.1377089	20	6 21.5	20.9
398255 2010 RN_{174}	16.2	X	237.96509	181.50175	215.82295	7.89669	0.0735608	0.17344766	3.1843716	20	6 23.1	20.9
398256 2010 RN_{179}	17.6	X	119.31365	347.43685	339.10069	3.54033	0.2492744	0.23036105	2.6355020	20	—	—
398257 2010 RN_{180}	17.3	X	236.36506	241.73074	80.88671	3.04713	0.2119774	0.26033332	2.4291232	20	3 7.5	21.3
398258 2010 SL_{25}	16.5	X	319.52735	167.51154	179.84088	9.99068	0.0579142	0.18728495	3.0255253	20	8 6.9	20.6
398259 2010 TA_{5}	16.0	X	243.56813	201.89061	188.08964	9.33654	0.0896122	0.17446241	3.1720119	20	6 18.9	20.9
398260 2010 TT_{10}	16.2	X	332.45688	33.22580	292.71880	7.91431	0.1156181	0.18671710	3.0316564	20	7 26.9	19.8
398261 2010 TK_{13}	17.8	X	225.77283	239.01314	223.30291	6.05155	0.1180307	0.29014969	2.2597201	20	9 3.9	20.8
398262 2010 TA_{31}	16.9	X	330.34842	93.73259	221.49329	2.33989	0.1119866	0.18152346	3.0892108	20	7 8.7	20.7
398263 2010 TC_{40}	16.0	X	59.96082	279.32319	227.31172	5.95590	0.0779236	0.15378530	3.4503209	20	4 16.4	20.7
398264 2010 TQ_{42}	16.4	X	38.59650	36.17096	211.33078	8.53730	0.0287730	0.17898282	3.1183761	20	7 17.9	20.9
398265 2010 TT_{45}	16.8	X	22.68712	48.91143	205.17739	11.71449	0.1049288	0.17614924	3.1517290	20	7 11.1	21.0
398266 2010 TU_{49}	16.6	X	329.37537	151.84622	173.35363	6.00260	0.1690352	0.18324156	3.0698706	20	7 15.4	20.1
398267 2010 TU_{90}	16.2	X	335.36009	115.52255	185.08930	11.11544	0.0808994	0.17865994	3.1221320	20	6 28.7	20.4
398268 2010 TV_{98}	16.8	X	8.89256	115.47872	183.99773	10.21600	0.0939548	0.18896726	3.0075418	20	8 19.6	20.6
398269 2010 TH_{104}	16.6	X	230.40930	287.09388	104.95417	2.30008	0.1261247	0.17108544	3.2136162	20	6 3.5	21.5
398270 2010 TC_{109}	16.1	X	270.74243	328.29991	29.43383	11.39493	0.1180994	0.17492046	3.1664719	20	6 4.8	20.7
398271 2010 TV_{113}	16.8	X	257.39053	7.98549	13.96889	0.47433	0.1891089	0.17471918	3.1689033	20	6 12.2	21.5
398272 2010 TC_{119}	16.2	X	2.89618	278.01656	12.43383	6.15656	0.2158804	0.18521841	3.0479882	20	8 9.8	19.2
398273 2010 TG_{119}	16.5	X	308.65989	129.48931	217.56908	4.76004	0.1130995	0.18074409	3.0980849	20	7 15.6	20.5
398274 2010 TT_{119}	16.6	X	277.03338	160.23166	209.34640	8.59889	0.1270245	0.17713379	3.1400395	20	6 27.9	21.1
398275 2010 TB_{170}	16.0	X	276.11168	146.58589	228.75567	9.10267	0.1311495	0.17823945	3.1270405	20	7 3.1	20.4
398276 2010 TZ_{174}	15.8	X	325.38752	338.99475	314.83799	9.35736	0.0940493	0.17626080	3.1503990	20	6 2.6	19.9
398277 2010 TD_{186}	16.7	X	348.72831	130.61126	184.10481	9.76579	0.0921151	0.18522628	3.0479019	20	8 6.8	20.6
398278 2010 TM_{186}	16.2	X	327.47185	304.86986	4.65020	16.21864	0.2573577	0.18076594	3.0978353	20	6 5.3	19.8
398279 2010 UK_{2}	16.5	X	323.31160	91.48744	245.16728	4.69802	0.1547933	0.18061105	3.0996060	20	7 21.1	20.1
398280 2010 UB_{10}	17.1	X	29.81664	186.58485	210.74875	4.55439	0.1077112	0.21360952	2.7715474	20	—	—
398281 2010 UA_{20}	16.1	X	1.36816	241.58198	32.61386	18.95732	0.1166005	0.17480778	3.1678325	20	7 7.3	20.3
398282 2010 UQ_{35}	15.8	X	313.30862	293.34617	68.30354	12.03085	0.2744172	0.18227511	3.0807123	20	7 24.0	19.2
398283 2010 UP_{61}	16.7	X	277.75649	290.21437	90.64352	2.38455	0.1747940	0.17872087	3.1214224	20	7 7.2	21.0
398284 2010 UX_{69}	15.9	X	313.48260	289.62704	53.73118	12.01615	0.1413779	0.17792124	3.1307678	20	7 17.6	19.9
398285 2010 UL_{71}	16.7	X	342.65713	95.16827	220.95649	2.82756	0.0835512	0.18535711	3.0464675	20	7 31.3	20.4
398286 2010 UV_{74}	13.7	X	248.68146	73.98416	16.00162	21.50123	0.0967132	0.08243859	5.2285629	20	9 6.6	20.9
398287 2010 UA_{97}	16.2	X	258.18879	159.23607	216.53848	9.46648	0.1148433	0.17321318	3.1872449	20	6 14.8	20.9
398288 2010 VP_{14}	15.9	X	344.56391	127.34654	220.18159	14.49375	0.2223941	0.18924632	3.0045845	20	9 14.2	19.1
398289 2010 VU_{16}	16.5	X	12.44577	48.49610	263.27732	5.79638	0.1810999	0.19219211	2.9738040	20	9 20.2	19.9
398290 2010 VT_{31}	15.8	X	284.69731	157.18161	215.44890	17.16649	0.2142481	0.17747841	3.1359734	20	6 27.3	20.4
398291 2010 VV_{73}	15.8	X	281.25485	213.57093	137.18790	2.81268	0.0979940	0.16922565	3.2371184	20	6 14.3	20.2
398292 2010 VO_{90}	16.0	X	50.96665	31.97200	256.50575	10.08595	0.0752910	0.18376316	3.0640587	20	9 29.5	20.4
398293 2010 VZ_{125}	15.5	X	327.74300	248.87652	77.30682	17.38670	0.2488993	0.17608479	3.1524981	20	7 4.3	18.8
398294 2010 VK_{153}	16.0	X	41.08149	127.98963	245.70616	12.90033	0.1150538	0.20948108	2.8078432	20	—	—
398295 2010 VY_{159}	16.0	X	156.65749	8.53973	212.52366	9.00643	0.0223343	0.19140634	2.9819373	20	11 11.6	20.2
398296 2010 VD_{168}	16.0	X	332.48608	77.93350	234.76021	8.34453	0.1117625	0.17306161	3.1891055	20	7 7.2	20.1
398297 2010 VF_{178}	13.9	X	321.64315	333.38028	55.57282	12.04427	0.0257527	0.08488567	5.1275879	20	9 27.2	20.7
398298 2010 VH_{200}	17.3	X	329.45168	113.82722	249.69506	19.59628	0.0557109	0.38799979	1.8617229	20	10 22.1	19.1
398299 2010 VO_{203}	15.9	X	3.00919	308.84556	15.20124	10.43333	0.0276193	0.18721090	3.0263231	20	9 13.0	20.0
398300 2010 VN_{207}	15.5	X	346.51978	32.61533	261.05186	9.38954	0.1046729	0.17734551	3.1375398	20	7 6.1	19.4
398301 2010 VL_{211}	16.2	X	7.78694	344.56841	335.19002	8.95726	0.0445840	0.18727988	3.0255799	20	9 10.7	20.1
398302 2010 WR_{32}	16.2	X	306.74089	247.67871	93.57609	2.46450	0.1827833	0.17265089	3.1941612	20	6 25.6	20.1
398303 2010 WQ_{57}	15.9	X	299.04229	288.29108	56.56200	26.76576	0.2280395	0.17194553	3.2028907	20	6 6.9	20.3
398304 2010 WF_{62}	16.1	X	281.19267	300.30241	72.44854	13.06774	0.2842099	0.17418200	3.1754153	20	6 14.2	20.6
398305 2010 XZ_{30}	16.6	X	327.96702	234.71362	93.66000	2.34832	0.2356853	0.17769053	3.1334771	20	7 10.5	19.6
398306 2010 XC_{44}	15.1	X	53.77495	17.16588	259.58027	20.75804	0.0686399	0.17962706	3.1109155	20	9 10.4	19.9
398307 2010 XA_{74}	15.8	X	301.86322	261.43801	78.12273	13.83265	0.1399389	0.17213314	3.2005631	20	6 21.7	19.9
398308 2010 YL_{3}	15.8	X	350.09306	24.32862	272.98178	9.64872	0.1111752	0.17994002	3.1073073	20	7 16.9	19.6
398309 2011 AD_{11}	15.9	X	206.82125	239.63321	294.38023	10.54182	0.0465292	0.18142818	3.0902923	20	11 4.6	20.6
398310 2011 BC_{1}	15.7	X	33.04800	38.30913	299.31319	10.16134	0.0530896	0.18089082	3.0964093	20	11 3.8	20.2
398311 2011 EX_{33}	18.0	X	43.63328	93.24190	175.84466	22.60127	0.0736168	0.35866279	1.9619074	20	9 27.8	19.8
398312 2011 EZ_{77}	17.7	X	54.23932	100.07044	176.46225	22.30978	0.0612750	0.36287136	1.9467085	20	10 27.2	19.9
398313 2011 FT_{47}	16.0	X	211.46036	87.30453	199.29534	10.70265	0.0486753	0.19015342	2.9950216	20	1 10.3	20.7
398314 2011 FO_{100}	17.4	X	143.64060	16.72575	208.43380	5.50099	0.1676445	0.26686085	2.3893484	20	11 13.7	21.2
398315 2011 GH_{65}	17.4	X	346.56229	291.34850	53.29185	21.36366	0.1128782	0.36065020	1.9546932	20	11 2.2	18.8
398316 2011 HF_{12}	17.5	X	204.89198	160.89856	100.72590	3.51145	0.1325706	0.28967495	2.2621883	20	—	—
398317 2011 HL_{46}	17.3	X	22.80036	281.63822	106.20848	7.61354	0.1215862	0.27520452	2.3408073	20	—	—
398318 2011 HA_{61}	16.2	X	111.85811	341.52170	74.38222	10.67210	0.1001941	0.20576352	2.8415620	20	3 6.3	20.4
398319 2011 KT_{2}	18.1	X	248.23039	135.62333	93.92074	6.43482	0.1038041	0.29102159	2.2552044	20	—	—
398320 2011 KC_{14}	16.3	X	215.06059	244.10307	74.33560	6.71659	0.0658891	0.19634710	2.9317014	20	2 24.6	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398321 2011 KV_{36}	16.0	X	130.38430	303.50936	69.81195	11.89357	0.1152908	0.18724528	3.0259527	20	2 6.7	20.6
398322 2011 NP_{2}	18.2	X	243.13786	116.81318	156.71624	3.79513	0.0992264	0.29080608	2.2563185	20	1 12.9	21.3
398323 2011 OP_{10}	18.1	X	178.63633	92.54064	205.02259	4.15437	0.0671516	0.27622587	2.3350337	20	—	—
398324 2011 OX_{45}	16.3	X	79.85192	153.80519	109.90990	11.02506	0.0425913	0.23795969	2.5790937	20	10 19.1	20.0
398325 2011 OT_{53}	17.6	X	191.78948	344.80389	277.50286	8.17016	0.1012363	0.27169654	2.3609130	20	—	—
398326 2011 OX_{54}	16.5	X	93.58632	115.00671	120.99838	15.33082	0.0866268	0.23114176	2.6295641	20	10 5.2	20.5
398327 2011 PL_{1}	18.0	X	201.55312	146.53111	143.80447	3.58514	0.2138297	0.27921551	2.3183359	20	—	—
398328 2011 PC_{10}	17.9	X	236.44486	131.36860	148.14275	7.00937	0.1196516	0.28926114	2.2643453	20	1 12.9	21.2
398329 2011 QA_{1}	16.9	X	252.72779	301.23103	275.56009	6.81749	0.0642053	0.26955100	2.3734245	20	—	—
398330 2011 QH_{1}	16.8	X	245.00440	186.01422	271.39182	7.50034	0.0452817	0.22635137	2.6665350	20	9 22.8	20.5
398331 2011 QL_{9}	17.5	X	274.06721	60.31596	179.70815	4.86420	0.1488237	0.28348152	2.2950186	20	—	—
398332 2011 QE_{17}	17.6	X	142.68683	12.75550	310.13409	5.26646	0.1283198	0.26510918	2.3998616	20	—	—
398333 2011 QA_{19}	17.9	X	165.42582	201.62992	152.05282	5.73615	0.1893413	0.27980066	2.3151025	20	2 10.6	21.5
398334 2011 QP_{29}	16.3	X	24.88917	0.40612	324.06841	13.29594	0.1523025	0.23020607	2.6366847	20	10 28.7	19.8
398335 2011 QD_{31}	16.3	X	245.98452	175.31953	274.07095	12.30701	0.1217669	0.22262258	2.6962278	20	8 30.1	20.3
398336 2011 QB_{36}	17.2	X	128.24933	187.22214	146.72366	5.87768	0.2049240	0.26265398	2.4147938	20	—	—
398337 2011 QZ_{36}	17.7	X	199.98694	309.87096	41.06977	5.28798	0.2053579	0.28917620	2.2647887	20	3 10.9	21.5
398338 2011 QV_{38}	17.2	X	152.31092	293.83997	77.85972	5.90011	0.2555397	0.27745056	2.3281573	20	2 29.7	21.0
398339 2011 QR_{52}	17.3	X	86.44457	206.72747	154.45879	5.04224	0.1984754	0.25825969	2.4421086	20	—	—
398340 2011 QB_{57}	17.9	X	123.65453	158.78850	199.58928	3.02913	0.2527014	0.26770504	2.3843226	20	1 13.8	21.0
398341 2011 QN_{65}	17.6	X	127.06347	264.77875	91.14204	3.05901	0.1966940	0.26648409	2.3915999	20	1 7.9	20.7
398342 2011 QP_{70}	18.1	X	177.55916	125.45350	212.49448	4.76027	0.1883500	0.28179534	2.3041647	20	1 31.7	21.9
398343 2011 QF_{72}	17.9	X	172.84426	347.00316	341.60514	6.03732	0.1368663	0.27786440	2.3258450	20	1 15.3	21.3
398344 2011 QE_{73}	18.0	X	210.07654	189.33632	78.27917	2.12777	0.1706646	0.27466564	2.3438681	20	—	—
398345 2011 QM_{81}	17.9	X	85.61011	2.89712	12.31958	1.59551	0.1576444	0.26124766	2.4234521	20	—	—
398346 2011 QY_{87}	18.3	X	160.92326	341.33934	3.44841	2.16599	0.2133795	0.27484828	2.3428296	20	1 29.9	22.0
398347 2011 QC_{93}	17.7	X	244.46893	62.77326	210.98746	5.64202	0.1652647	0.28335474	2.2957032	20	1 12.0	21.3
398348 2011 QM_{97}	17.4	X	351.14200	188.88285	193.99890	13.23700	0.0893209	0.23202654	2.6228750	20	11 24.6	20.7
398349 2011 RS_{13}	17.5	X	150.78189	74.79419	272.46564	3.77089	0.2241804	0.27217885	2.3581231	20	1 23.6	21.0
398350 2011 RL_{17}	17.1	X	179.32184	350.85462	183.19596	14.40974	0.1202662	0.22637477	2.6663513	20	10 11.8	21.1
398351 2011 RB_{19}	17.9	X	180.93384	77.21813	199.18978	7.44840	0.1757899	0.26424491	2.4050916	20	—	—
398352 2011 ST_{3}	16.9	X	172.35232	14.50796	280.70789	5.33327	0.1242653	0.26610680	2.3938599	20	—	—
398353 2011 SO_{10}	17.8	X	197.25179	62.19284	215.48584	4.54313	0.2221636	0.27203228	2.3589700	20	—	—
398354 2011 SP_{27}	17.7	X	138.05256	195.47094	147.03096	2.84810	0.1985913	0.26706244	2.3881458	20	1 3.1	20.9
398355 2011 SF_{32}	16.8	X	4.99421	177.18234	211.79114	10.34264	0.2548208	0.23074571	2.6325722	20	—	—
398356 2011 SN_{35}	17.7	X	159.50664	208.16867	139.59093	1.96263	0.2065121	0.27185307	2.3600066	20	1 31.3	21.4
398357 2011 SC_{49}	18.1	X	221.49501	50.27726	206.50594	2.52972	0.1493732	0.26995888	2.3710332	20	—	—
398358 2011 SO_{49}	18.1	X	226.41871	23.44055	227.31793	1.84824	0.1696907	0.27016661	2.3698177	20	—	—
398359 2011 SA_{60}	18.3	X	138.19044	350.56406	332.31128	2.44697	0.1797943	0.26298254	2.4127821	20	—	—
398360 2011 SS_{61}	18.1	X	176.56812	129.71138	211.63565	2.09180	0.2429904	0.27833680	2.3232127	20	2 8.1	22.0
398361 2011 SD_{67}	17.1	X	146.15908	5.89734	8.06637	7.91465	0.1369592	0.27153948	2.3618233	20	2 16.2	20.4
398362 2011 SX_{68}	16.5	X	144.11106	134.92257	93.07510	12.74420	0.0976337	0.22625468	2.6672947	20	11 14.9	20.7
398363 2011 SX_{69}	16.4	X	147.83155	133.02825	90.12497	12.37275	0.0247711	0.22487078	2.6782269	20	11 13.3	20.3
398364 2011 SG_{76}	16.7	X	211.05924	281.83351	266.69970	3.57832	0.1472121	0.24021113	2.5629530	20	11 30.1	20.3
398365 2011 SL_{84}	17.7	X	196.66116	68.12589	241.53440	1.48350	0.2020323	0.27261441	2.3556106	20	1 16.6	21.5
398366 2011 ST_{88}	16.4	X	237.46830	26.99113	9.23581	10.86704	0.1016870	0.19201782	2.9756032	20	6 18.3	21.0
398367 2011 SB_{91}	15.9	X	157.55206	248.40715	202.98171	25.42346	0.2250028	0.17815523	3.1280259	20	6 7.5	21.6
398368 2011 SB_{96}	17.5	X	85.89943	324.38444	4.19364	4.05193	0.0189925	0.24378497	2.5378431	20	—	—
398369 2011 SL_{97}	17.3	X	109.42880	244.95657	90.66838	8.48925	0.2820568	0.25748334	2.4470150	20	—	—
398370 2011 SW_{98}	16.4	X	90.08334	96.51570	9.04566	8.71130	0.2446908	0.16360201	3.3108814	20	4 25.9	21.3
398371 2011 SL_{99}	17.5	X	269.28890	132.79733	224.08516	6.43188	0.1896785	0.30720568	2.1752870	20	5 24.5	20.1
398372 2011 SE_{102}	17.2	X	17.11160	209.03568	182.10965	16.86326	0.1233872	0.23767670	2.5811405	20	—	—
398373 2011 SK_{102}	16.9	X	38.96879	143.61786	192.76808	30.94286	0.2862821	0.23006935	2.6377292	20	12 24.5	21.5
398374 2011 SE_{103}	16.7	X	303.63568	260.65490	159.17012	6.50077	0.0697826	0.21369325	2.7708234	20	10 26.5	20.2
398375 2011 SK_{104}	16.9	X	23.92896	23.76854	286.77495	5.78003	0.0743632	0.21381125	2.7698039	20	9 27.3	20.6
398376 2011 SD_{105}	16.4	X	351.89344	60.63920	304.34453	5.34065	0.0425977	0.21821532	2.7324102	20	10 21.3	20.0
398377 2011 SS_{113}	18.4	X	170.48265	114.97649	219.01647	2.78398	0.2487357	0.27498211	2.3420694	20	1 25.9	22.2
398378 2011 SY_{114}	17.5	X	92.44726	187.34696	163.13405	5.65278	0.2072167	0.25556549	2.4592419	20	—	—
398379 2011 SW_{117}	18.0	X	125.57488	189.97915	165.32491	2.69488	0.2175916	0.26424508	2.4050906	20	1 8.2	21.2
398380 2011 SC_{119}	17.3	X	157.04478	352.27871	356.21809	3.24602	0.1679855	0.27107117	2.3645427	20	1 27.5	20.7
398381 2011 SV_{143}	16.6	X	65.73552	104.66823	195.30186	16.65208	0.0907128	0.22639360	2.6662035	20	11 17.6	20.5
398382 2011 ST_{144}	17.6	X	192.05536	128.58152	190.82386	5.97264	0.2247869	0.27706543	2.3303143	20	1 23.7	21.5
398383 2011 SW_{149}	17.6	X	187.04290	143.36889	171.55862	4.92426	0.1527297	0.27421609	2.3464291	20	1 11.8	21.3
398384 2011 SX_{152}	17.3	X	272.15452	278.09533	188.18245	9.92089	0.0820055	0.22785497	2.6547913	20	11 11.9	20.6
398385 2011 SR_{157}	17.2	X	298.75184	48.36779	11.28755	4.30988	0.0831511	0.21979282	2.7193204	20	10 16.2	20.5
398386 2011 SJ_{158}	17.7	X	125.97880	85.92197	249.42135	2.03736	0.2189089	0.26049875	2.4280947	20	—	—
398387 2011 ST_{167}	18.3	X	142.85103	307.05213	14.67997	2.93982	0.1870706	0.26039682	2.4287283	20	—	—
398388 2011 SU_{168}	17.5	X	237.98998	49.38794	213.55897	1.85265	0.1603941	0.27144892	2.3623485	20	—	—
398389 2011 SF_{169}	17.6	X	130.99053	295.85737	348.13397	1.36115	0.0624120	0.24121838	2.5558133	20	—	—
398390 2011 SQ_{172}	17.0	X	68.09643	139.75111	215.14134	11.03114	0.0835825	0.23962001	2.5671662	20	—	—
398391 2011 SP_{173}	18.0	X	183.67983	117.74032	177.68894	2.26584	0.1186818	0.26543824	2.3978778	20	—	—
398392 2011 SR_{173}	17.2	X	53.37174	172.04894	187.06047	14.81672	0.2089317	0.24152395	2.5536571	20	—	—
398393 2011 SO_{177}	16.7	X	297.64433	354.56932	57.43059	5.54115	0.1507152	0.21505337	2.7591282	20	9 28.6	19.8
398394 2011 SP_{180}	16.8	X	59.77552	287.88840	19.47392	14.82505	0.0593548	0.22450426	2.6811410	20	11 9.5	20.6
398395 2011 SD_{184}	17.4	X	34.88233	223.53389	153.45433	2.92369	0.1552400	0.23615529	2.5922144	20	—	—
398396 2011 SL_{186}	17.4	X	172.27585	324.95908	14.91939	9.24470	0.0772535	0.27097824	2.3650833	20	1 27.0	20.8
398397 2011 SV_{195}	18.2	X	165.02590	136.56487	160.90589	1.41929	0.1905708	0.26603360	2.3942990	20	—	—
398398 2011 ST_{197}	17.3	X	270.74749	217.83067	188.25218	2.83316	0.0721851	0.21231347	2.7828151	20	8 17.5	21.1
398399 2011 SU_{201}	18.1	X	207.64232	111.70954	173.90498	6.45215	0.1955104	0.27634939	2.3343378	20	—	—
398400 2011 SJ_{203}	15.7	X	159.13184	160.10340	241.56841	6.46254	0.0841474	0.17230242	3.1984664	20	4 3.1	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398401 2011 SO_{211}	16.4	X	9.07687	113.70019	197.69718	12.64709	0.2167211	0.21601151	2.7509632	20	9 25.5	19.2
398402 2011 SM_{214}	17.0	X	40.09477	161.29105	204.68443	12.48995	0.2018977	0.23622373	2.5917138	20	—	—
398403 2011 SK_{215}	17.4	X	159.74942	311.96032	342.62218	5.97949	0.0999253	0.26433451	2.4045481	20	—	—
398404 2011 SH_{217}	17.6	X	183.15211	305.25781	355.60339	7.36422	0.1153816	0.26955350	2.3734098	20	—	—
398405 2011 SM_{218}	15.8	X	223.97607	243.58322	92.71576	10.24038	0.0970861	0.17463770	3.1698889	20	3 28.7	20.8
398406 2011 SO_{219}	16.4	X	321.45521	115.78963	198.57020	7.96001	0.0910250	0.20213255	2.8754901	20	6 25.7	20.1
398407 2011 SC_{229}	17.1	X	357.24186	33.45559	328.75775	2.69146	0.1022264	0.22117754	2.7079587	20	11 1.9	20.3
398408 2011 SR_{230}	16.9	X	315.77112	194.74195	185.94573	5.83989	0.0327688	0.21734513	2.7396985	20	9 22.7	20.4
398409 2011 SJ_{231}	16.1	X	302.25955	224.70981	216.32493	14.14567	0.0494840	0.22359103	2.6884366	20	11 23.6	19.5
398410 2011 SE_{233}	16.5	X	0.86091	207.40482	210.33488	33.52068	0.2221709	0.23288734	2.6164079	20	—	—
398411 2011 SN_{235}	17.5	X	150.72971	70.46413	230.59869	5.58891	0.1219145	0.25368785	2.4713615	20	—	—
398412 2011 SY_{245}	17.0	X	286.02348	196.08244	213.56504	5.15274	0.0571145	0.21469971	2.7621574	20	9 14.6	20.6
398413 2011 SC_{248}	17.3	X	159.30452	354.13364	340.41932	2.26336	0.2048764	0.27007039	2.3703805	20	1 15.4	20.8
398414 2011 SY_{252}	16.6	X	36.53239	110.57426	173.33099	13.30591	0.2036229	0.21910914	2.7249742	20	10 5.8	20.0
398415 2011 SR_{253}	17.5	X	61.10160	314.49542	48.75615	9.57442	0.1265099	0.24481204	2.5307400	20	—	—
398416 2011 SQ_{258}	16.2	X	282.42895	338.79233	33.66461	18.39166	0.1304247	0.20070416	2.8891170	20	7 13.2	20.4
398417 2011 SX_{264}	16.7	X	47.41640	129.03812	199.56236	14.76058	0.1292767	0.23279176	2.6171241	20	12 7.3	20.5
398418 2011 SR_{266}	17.0	X	292.73935	231.25234	173.72865	4.80637	0.0516398	0.22179316	2.7029455	20	9 21.8	20.3
398419 2011 SX_{267}	17.2	X	206.31627	161.33731	124.76025	11.23526	0.1727502	0.26919459	2.3755190	20	—	—
398420 2011 TW_{2}	16.3	X	81.87328	32.98002	273.56005	12.43478	0.1829844	0.23495743	2.6010174	20	12 22.2	20.4
398421 2011 TN_{4}	16.2	X	310.71633	223.82849	101.41676	11.24207	0.0915431	0.19582273	2.9369326	20	6 24.2	19.9
398422 2011 TR_{4}	16.5	X	208.63979	84.62886	71.74145	9.39469	0.0358069	0.22662616	2.6643791	20	10 31.7	20.2
398423 2011 UF_{2}	17.2	X	94.47320	252.03218	30.47414	7.74943	0.1376460	0.23152687	2.6266475	20	11 29.9	21.2
398424 2011 UC_{7}	17.2	X	56.15139	258.36660	47.22028	5.65916	0.1529796	0.22123891	2.7074579	20	11 18.6	20.9
398425 2011 UD_{8}	17.0	X	121.81450	58.48363	226.87926	10.06817	0.1159765	0.23372830	2.6101283	20	12 29.2	21.1
398426 2011 UT_{8}	15.9	X	252.13585	144.76447	226.87881	21.99243	0.1083769	0.18518754	3.0483269	20	6 2.9	20.5
398427 2011 UC_{9}	16.4	X	116.19035	27.70992	221.46824	8.28458	0.0820952	0.21684234	2.7439319	20	11 6.5	20.6
398428 2011 UZ_{14}	16.5	X	343.88329	85.69846	304.77150	5.12483	0.0265320	0.22025174	2.7155417	20	11 12.9	20.1
398429 2011 UL_{16}	15.7	X	108.15831	291.00590	230.89779	9.73658	0.0473162	0.18376800	3.0640049	20	7 1.4	20.2
398430 2011 UC_{18}	17.2	X	17.97321	130.13331	217.46641	5.33156	0.0366620	0.22190212	2.7020606	20	11 6.9	20.8
398431 2011 UL_{22}	16.7	X	319.45720	69.99920	270.97058	5.68077	0.0710405	0.20210116	2.8757878	20	7 30.4	20.2
398432 2011 UK_{25}	16.8	X	271.03463	205.05277	215.70023	5.87936	0.0856273	0.20689912	2.8311548	20	9 2.3	20.6
398433 2011 UA_{27}	17.0	X	319.82920	268.63001	87.46513	3.17163	0.0506949	0.20363571	2.8613222	20	8 25.2	20.6
398434 2011 UO_{28}	16.4	X	148.09848	223.97583	261.65511	7.99449	0.0459517	0.18482345	3.0523289	20	7 3.4	20.8
398435 2011 US_{29}	16.5	X	109.89038	43.77494	220.94390	11.53735	0.1263927	0.22145951	2.7056596	20	11 22.7	20.7
398436 2011 UR_{30}	16.4	X	177.19838	202.49621	225.15236	8.95973	0.0955147	0.17532929	3.1615476	20	5 25.9	21.3
398437 2011 UC_{31}	16.5	X	205.28044	3.50634	63.50124	5.82994	0.1607861	0.18372725	3.0644579	20	6 19.3	21.6
398438 2011 UA_{36}	16.9	X	128.52229	222.63730	63.53181	6.18776	0.1667114	0.23531949	2.5983488	20	—	—
398439 2011 UZ_{37}	16.5	X	86.55386	270.39373	32.78105	13.05047	0.1590527	0.22968840	2.6406449	20	12 18.5	20.8
398440 2011 UZ_{38}	16.7	X	52.62351	245.88232	91.39306	2.57672	0.0644234	0.22574115	2.6713383	20	12 13.3	20.3
398441 2011 UD_{39}	16.3	X	7.10490	337.98946	338.90624	6.69935	0.0568443	0.21022285	2.8012343	20	9 10.9	19.7
398442 2011 UZ_{47}	17.1	X	320.17673	149.64907	232.13820	3.11039	0.1935747	0.21250093	2.7811783	20	9 19.4	19.7
398443 2011 UB_{48}	16.6	X	221.93184	23.37626	36.07442	10.92354	0.1122633	0.18923233	3.0047326	20	6 30.3	21.3
398444 2011 UJ_{50}	16.8	X	345.50490	328.10459	59.30107	5.81860	0.0839063	0.22061739	2.7125404	20	11 16.9	20.1
398445 2011 UQ_{50}	16.4	X	169.27030	56.03856	54.42607	9.76333	0.1035694	0.18569359	3.0427863	20	7 10.7	21.2
398446 2011 UF_{51}	16.3	X	203.59067	227.55670	210.12889	8.73768	0.0763524	0.18766501	3.0214391	20	7 4.5	21.0
398447 2011 UO_{52}	17.1	X	2.23410	270.15597	86.97332	4.38124	0.1206226	0.21812308	2.7331804	20	11 6.9	20.4
398448 2011 UD_{54}	15.7	X	323.93046	41.38662	232.81080	21.00446	0.0963876	0.17622390	3.1508388	20	5 5.9	19.8
398449 2011 UK_{55}	16.3	X	160.76491	33.29666	50.81305	8.25584	0.1777135	0.17233881	3.1980161	20	5 31.1	21.5
398450 2011 UN_{59}	17.7	X	118.84789	176.66182	163.46284	1.53054	0.1995751	0.25604608	2.4561636	20	—	—
398451 2011 UC_{62}	15.9	X	255.79259	154.00707	223.17085	10.64586	0.0707107	0.18401418	3.0612716	20	6 19.5	20.4
398452 2011 UM_{66}	16.9	X	83.77026	130.97538	116.68657	5.56463	0.0692850	0.21164383	2.7886819	20	9 29.5	20.8
398453 2011 UL_{72}	17.1	X	231.56237	272.25393	52.98193	7.84403	0.1931845	0.28489485	2.2874221	20	3 8.2	20.8
398454 2011 UV_{72}	16.8	X	6.22513	138.31682	222.15171	5.62405	0.0347862	0.21811626	2.7332374	20	11 6.5	20.4
398455 2011 UP_{76}	16.3	X	186.04470	124.09124	297.06589	4.04511	0.1456656	0.17858531	3.1230017	20	5 25.5	21.4
398456 2011 UT_{77}	16.3	X	211.46772	50.92498	14.83790	6.33058	0.1048708	0.18746330	3.0236060	20	6 27.7	21.0
398457 2011 UT_{79}	16.8	X	328.12162	34.82427	17.07924	4.97410	0.0495411	0.22228687	2.6989417	20	11 20.6	20.1
398458 2011 UC_{83}	15.6	X	65.09764	293.22705	240.47228	18.47112	0.1653098	0.16933529	3.2357209	20	6 9.2	20.0
398459 2011 UJ_{86}	15.9	X	204.12200	161.63452	253.51041	5.99723	0.1614965	0.18121464	3.0927195	20	6 3.8	20.9
398460 2011 UW_{88}	16.1	X	219.06885	150.03214	242.57868	7.97551	0.0807094	0.17721220	3.1391131	20	5 26.8	20.8
398461 2011 UU_{98}	16.6	X	344.79900	44.11411	304.28451	5.27682	0.0355837	0.20887202	2.8132989	20	9 17.4	20.4
398462 2011 UT_{101}	16.9	X	78.86081	204.83703	109.99761	4.30837	0.0543645	0.22660778	2.6645232	20	12 15.7	20.7
398463 2011 UX_{101}	17.0	X	66.18915	256.26547	109.63313	4.07632	0.1864508	0.24093539	2.5578141	20	—	—
398464 2011 UX_{104}	16.3	X	265.76732	183.17338	243.74514	5.67904	0.0600384	0.21001021	2.8031249	20	9 6.9	20.2
398465 2011 UP_{108}	17.5	X	192.44768	175.16424	143.24992	8.18423	0.3538835	0.27726797	2.3291793	20	1 27.4	21.9
398466 2011 US_{112}	16.8	X	15.70041	152.11017	223.89382	5.34207	0.1417256	0.22645334	2.6657345	20	12 25.9	20.2
398467 2011 UM_{113}	17.2	X	63.89358	288.05372	74.83179	4.62057	0.2090631	0.23963462	2.5670619	20	—	—
398468 2011 UA_{120}	17.4	X	22.04852	107.20215	226.87025	3.40503	0.1044978	0.21623350	2.7490801	20	11 2.5	20.8
398469 2011 UJ_{120}	15.7	X	153.99555	352.01231	231.32033	31.38416	0.0663377	0.21853929	2.7297090	20	11 14.9	19.8
398470 2011 UO_{120}	16.5	X	296.22949	9.19850	44.32560	9.93698	0.2324764	0.21361586	2.7714926	20	9 18.4	19.5
398471 2011 UV_{120}	18.0	X	281.73828	3.75434	292.72659	4.44671	0.1416470	0.29504505	2.2346550	20	3 20.2	21.0
398472 2011 UU_{122}	16.9	X	1.48841	336.13036	33.81187	7.14459	0.0625114	0.22406482	2.6846454	20	11 15.4	20.3
398473 2011 UE_{124}	17.4	X	73.62842	273.83055	107.77737	5.54053	0.1649012	0.25236976	2.4799590	20	—	—
398474 2011 UK_{127}	17.7	X	178.00400	140.49944	194.43571	4.86692	0.2486816	0.27136654	2.3628266	20	2 1.8	21.7
398475 2011 UR_{127}	16.1	X	242.73278	323.03053	62.15928	15.07556	0.1564042	0.18657332	3.0332138	20	6 3.7	20.7
398476 2011 UM_{129}	17.8	X	179.11710	303.72221	17.20183	2.47143	0.2244512	0.27160134	2.3614646	20	1 17.6	21.6
398477 2011 UA_{137}	16.3	X	328.24212	69.65264	242.91422	8.41562	0.0461304	0.19103187	2.9858329	20	7 6.4	20.3
398478 2011 UT_{139}	16.5	X	194.84969	54.31901	358.23105	16.19022	0.2322813	0.17728522	3.1382511	20	5 16.6	22.2
398479 2011 UE_{140}	16.9	X	128.99390	60.87068	244.40258	4.32286	0.1345192	0.24435161	2.5339181	20	—	—
398480 2011 UR_{140}	16.7	X	15.57224	86.87301	259.93795	5.11210	0.0440612	0.21606339	2.7505228	20	10 31.8	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398481 2011 UZ_{140}	15.8	X	206.85832	320.77434	62.19652	11.19104	0.0252531	0.17642869	3.1484001	20	5 6.0	20.3
398482 2011 UN_{142}	16.2	X	122.63506	274.92896	255.83293	8.96192	0.0626601	0.18851451	3.0123553	20	7 30.4	20.7
398483 2011 UQ_{146}	16.6	X	237.96230	15.03027	33.36790	2.25863	0.1496766	0.18720796	3.0263548	20	6 29.6	21.3
398484 2011 UY_{148}	18.0	X	164.23319	284.50422	26.58847	2.73860	0.1956776	0.26065817	2.4271045	20	—	—
398485 2011 UW_{150}	17.2	X	99.54214	160.10390	207.99639	6.18792	0.1642495	0.25860907	2.4399086	20	—	—
398486 2011 UH_{152}	17.0	X	40.85648	283.43692	93.91253	12.25934	0.1985881	0.23713659	2.5850583	20	—	—
398487 2011 UJ_{153}	15.7	X	292.61623	265.72786	59.88996	14.83366	0.1911306	0.18578525	3.0417854	20	5 14.6	19.7
398488 2011 UP_{157}	15.8	X	218.58403	206.50235	220.23749	14.33443	0.1976766	0.18634950	3.0356421	20	6 27.4	21.0
398489 2011 UQ_{157}	16.6	X	242.59832	326.48742	71.58050	9.68843	0.1453882	0.18771393	3.0209142	20	6 21.6	21.1
398490 2011 UU_{157}	16.9	X	271.02149	173.70194	231.39977	3.55531	0.0659919	0.21157950	2.7892471	20	8 16.6	20.7
398491 2011 UF_{162}	16.7	X	329.81037	313.33481	65.70815	4.79485	0.1853759	0.21157263	2.7893075	20	10 10.7	19.3
398492 2011 UH_{164}	17.7	X	112.43127	269.80946	95.14570	8.19763	0.2408654	0.25738802	2.4476191	20	1 9.7	20.8
398493 2011 UP_{176}	16.6	X	172.67381	182.89188	268.27019	3.65101	0.1024097	0.18092413	3.0960292	20	6 19.1	21.5
398494 2011 UQ_{176}	16.8	X	346.27745	15.93178	359.20788	2.58703	0.0769136	0.21668662	2.7452463	20	10 30.3	20.0
398495 2011 UT_{177}	16.8	X	31.30268	215.17707	170.46192	2.85331	0.1928240	0.23530565	2.5984507	20	—	—
398496 2011 UF_{179}	15.6	X	341.53329	181.70619	74.34809	12.19847	0.0245276	0.17437052	3.1731262	20	5 16.1	19.9
398497 2011 UF_{180}	16.8	X	342.06992	111.72197	275.99501	5.95465	0.0399871	0.21971802	2.7199376	20	11 7.5	20.3
398498 2011 UX_{180}	17.2	X	96.76872	15.65696	271.59628	3.09019	0.0885627	0.22596220	2.6695958	20	12 4.4	21.2
398499 2011 UK_{187}	16.9	X	313.25656	145.92205	252.95594	8.30008	0.1657051	0.21460168	2.7629984	20	9 30.2	19.9
398500 2011 UN_{187}	15.9	X	220.23987	153.84918	225.65586	15.90631	0.0909430	0.17971936	3.1098503	20	5 11.2	20.5
398501 2011 UR_{191}	16.6	X	318.61537	142.74294	235.84621	7.18466	0.1777773	0.21174336	2.7878079	20	9 10.1	19.5
398502 2011 UX_{196}	15.8	X	66.27397	334.02177	250.02019	11.17211	0.0565851	0.19154050	2.9805447	20	7 27.8	20.1
398503 2011 UQ_{201}	17.4	X	72.56427	162.93345	149.60739	2.47967	0.2124753	0.22836167	2.6508627	20	12 22.1	21.6
398504 2011 UK_{202}	17.1	X	53.53889	230.74422	99.57509	3.70283	0.0660170	0.22244647	2.6976506	20	12 5.5	20.8
398505 2011 UD_{231}	16.3	X	154.50935	259.11931	205.68701	13.73596	0.0176750	0.18686962	3.0300066	20	6 13.3	20.8
398506 2011 US_{233}	17.3	X	97.52250	261.53551	26.21658	11.51363	0.1712575	0.23470022	2.6029174	20	12 11.5	21.6
398507 2011 UG_{240}	17.3	X	25.88831	8.92149	5.01029	2.33831	0.2368260	0.23242810	2.6198533	20	—	—
398508 2011 UF_{242}	16.2	X	241.14808	140.74691	234.06541	15.38912	0.1068327	0.18146130	3.0899163	20	5 26.4	20.8
398509 2011 UV_{243}	17.0	X	281.09842	127.31134	244.52005	0.85508	0.1040635	0.19278706	2.9676827	20	7 11.2	20.8
398510 2011 UY_{245}	16.9	X	302.77432	327.95072	88.74201	5.21578	0.0916526	0.21452145	2.7636873	20	10 19.7	20.2
398511 2011 UF_{248}	16.4	X	80.13266	324.46842	237.80993	9.17987	0.0170913	0.18614374	3.0378787	20	7 13.1	20.7
398512 2011 UD_{251}	16.1	X	194.37503	241.80477	218.45289	9.75110	0.0883935	0.18741854	3.0240875	20	7 20.9	20.9
398513 2011 UD_{253}	16.6	X	34.05767	240.31842	59.63437	10.21358	0.0276096	0.20453674	2.8529128	20	9 28.6	20.6
398514 2011 UN_{257}	16.2	X	169.60578	214.36984	220.85937	9.76769	0.0695850	0.17706291	3.1408774	20	5 27.1	21.0
398515 2011 UM_{259}	16.3	X	268.48858	1.62097	27.86398	9.39833	0.1075010	0.19456846	2.9495409	20	7 19.7	20.6
398516 2011 UO_{263}	16.5	X	308.20914	76.54747	255.91907	9.67694	0.1196887	0.19019821	2.9945513	20	6 25.5	20.3
398517 2011 UQ_{264}	17.9	X	104.20045	245.91579	70.95420	4.49985	0.2025525	0.24525971	2.5276595	20	—	—
398518 2011 UE_{265}	17.0	X	112.32412	40.08628	241.57588	12.26683	0.1274238	0.23305373	2.6151625	20	12 16.6	21.2
398519 2011 UF_{268}	16.3	X	199.18451	346.73253	78.05864	8.82709	0.1542710	0.18243265	3.0789385	20	6 11.3	21.1
398520 2011 UD_{271}	16.2	X	297.12612	308.75619	69.68702	16.03261	0.1518417	0.20509270	2.8477547	20	8 12.9	20.0
398521 2011 UU_{278}	16.7	X	133.92101	13.14608	272.41022	3.50385	0.0891066	0.23166477	2.6256050	20	—	—
398522 2011 UZ_{286}	17.0	X	328.96029	76.18819	305.63011	4.02474	0.1184648	0.21593908	2.7515784	20	10 10.1	20.0
398523 2011 UD_{288}	16.2	X	354.46109	143.44942	254.48691	5.00609	0.0599247	0.22688726	2.6623346	20	12 13.4	19.5
398524 2011 UF_{292}	16.8	X	243.80026	22.02037	110.62171	5.67851	0.0451844	0.22353934	2.6888510	20	11 11.9	20.4
398525 2011 UA_{294}	17.1	X	202.30255	246.58847	66.58746	7.14194	0.1328458	0.26673119	2.3901226	20	1 26.7	20.8
398526 2011 UC_{294}	17.1	X	50.04341	266.70241	75.42142	7.34663	0.0783116	0.22476907	2.6790348	20	12 17.8	20.6
398527 2011 UM_{296}	16.8	X	308.71523	355.70510	47.93790	6.87873	0.0301955	0.21423012	2.7661923	20	10 15.0	20.4
398528 2011 UU_{296}	18.2	X	123.18226	177.24094	172.13484	1.27306	0.1963543	0.25721845	2.4486947	20	—	—
398529 2011 UO_{299}	17.0	X	282.03924	307.85199	65.90123	6.63903	0.0760620	0.19469840	2.9482284	20	7 20.8	21.0
398530 2011 UQ_{299}	16.6	X	33.85429	291.06240	64.63259	5.06609	0.0609993	0.22541941	2.6738796	20	12 12.2	20.1
398531 2011 UB_{302}	16.6	X	5.82519	286.95208	67.88003	13.74500	0.1297694	0.21583551	2.7524585	20	11 11.4	19.8
398532 2011 UL_{306}	16.2	X	173.14841	20.70501	63.88426	8.82913	0.1509948	0.18110362	3.0939833	20	6 11.4	21.2
398533 2011 UG_{307}	16.3	X	30.06648	306.44188	61.19523	10.13665	0.1830263	0.23141697	2.6274790	20	—	—
398534 2011 UP_{309}	16.8	X	65.63421	230.32424	102.52049	14.11547	0.1812124	0.23593218	2.5938484	20	—	—
398535 2011 UV_{309}	17.0	X	31.50650	242.58124	74.81820	1.33673	0.0933795	0.21740622	2.7391853	20	10 24.4	20.5
398536 2011 UJ_{314}	16.8	X	127.49279	53.53904	64.10480	10.25785	0.0915971	0.17534210	3.1613937	20	6 3.5	21.5
398537 2011 UY_{316}	17.0	X	334.66091	330.08530	47.11586	5.04829	0.0808729	0.21232515	2.7827131	20	10 16.0	20.4
398538 2011 UA_{318}	16.9	X	15.77986	307.79696	58.85700	3.37428	0.0895524	0.22194640	2.7017012	20	12 5.2	20.4
398539 2011 UL_{319}	15.6	X	21.94893	333.25764	240.55262	18.37381	0.0894611	0.17040626	3.2221495	20	5 18.1	19.7
398540 2011 UE_{322}	16.9	X	216.29299	239.51650	75.74733	7.82866	0.1496278	0.27750358	2.3278607	20	2 11.4	20.6
398541 2011 US_{322}	15.5	X	17.98097	139.95010	246.11511	25.95331	0.1319814	0.22955991	2.6416302	20	—	—
398542 2011 UR_{323}	17.2	X	355.28692	2.89227	358.78162	2.04118	0.0807602	0.22132392	2.7067646	20	10 27.7	20.6
398543 2011 UY_{326}	15.8	X	196.89427	198.26705	235.60146	9.10513	0.0832695	0.18137721	3.0908712	20	6 22.6	20.5
398544 2011 UB_{337}	17.8	X	114.44678	223.13648	137.38094	5.28749	0.2026713	0.26000776	2.4311505	20	—	—
398545 2011 US_{337}	16.6	X	278.06911	235.72174	164.34689	10.57237	0.0899810	0.20873736	2.8145087	20	8 16.2	20.4
398546 2011 UA_{338}	16.1	X	224.21933	186.48567	207.24318	16.25997	0.1340322	0.18532724	3.0467948	20	5 30.0	21.0
398547 2011 UQ_{338}	17.3	X	131.95665	272.67166	59.01826	8.82393	0.2460415	0.26066683	2.4270508	20	—	—
398548 2011 UQ_{342}	16.3	X	176.74875	262.66534	203.43209	9.37367	0.0340530	0.18908008	3.0063453	20	7 11.1	20.8
398549 2011 UO_{347}	17.4	X	90.67108	160.46189	170.19864	1.40607	0.1874459	0.24127668	2.5554015	20	—	—
398550 2011 UP_{364}	16.7	X	338.25769	322.31285	53.74169	5.89401	0.1300259	0.21835227	2.7312675	20	10 23.4	19.6
398551 2011 US_{375}	16.1	X	277.64958	189.53290	246.13308	12.04827	0.0142488	0.21534068	2.7566735	20	10 10.8	20.0
398552 2011 US_{377}	17.1	X	317.92035	283.56803	123.12288	4.34692	0.1005116	0.21900322	2.7258527	20	10 30.9	20.2
398553 2011 US_{386}	16.7	X	20.49670	216.04486	94.37794	9.75013	0.1952203	0.21401757	2.7680235	20	10 18.0	20.1
398554 2011 UC_{388}	15.7	X	156.91767	31.37926	66.48846	22.00109	0.1438359	0.17669132	3.1452795	20	6 11.1	20.8
398555 2011 UJ_{389}	17.3	X	194.23828	328.63798	3.89221	7.17914	0.1439829	0.27503280	2.3417816	20	2 12.1	20.9
398556 2011 UV_{391}	17.1	X	313.87783	292.24430	115.15191	5.20832	0.0586999	0.21869511	2.7284123	20	10 27.4	20.6
398557 2011 UE_{399}	16.8	X	274.28505	345.25328	87.84445	5.80930	0.0431760	0.21313027	2.7757007	20	10 5.8	20.5
398558 2011 UK_{400}	16.1	X	179.81165	218.69495	214.51348	16.83289	0.2035493	0.17889270	3.1194233	20	6 4.1	21.5
398559 2011 UB_{401}	16.6	X	65.78609	44.90153	225.61353	11.58728	0.1792943	0.21205480	2.7850776	20	10 17.6	20.8
398560 2011 VM_{10}	16.4	X	95.49752	108.72121	51.61178	11.98224	0.1397401	0.17487359	3.1670377	20	6 26.8	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398561 2011 VC_{11}	17.2	X	349.55824	132.31052	244.68112	4.01445	0.0745039	0.22062355	2.7124900	20	11 7.9	20.3
398562 2011 VE_{14}	16.9	X	331.30315	81.16980	224.35271	9.45343	0.0562226	0.18922708	3.0047882	20	6 30.7	20.9
398563 2011 VQ_{14}	17.4	X	135.71540	115.91837	216.40734	0.18138	0.1871612	0.25732128	2.4480423	20	—	—
398564 2011 VT_{15}	17.1	X	41.68499	217.32452	89.57803	0.86967	0.0541420	0.21480218	2.7612788	20	10 18.2	20.6
398565 2011 VL_{21}	16.2	X	343.03875	213.42858	60.51468	13.32655	0.0348010	0.18130076	3.0917401	20	6 6.8	20.4
398566 2011 WV_{5}	16.7	X	174.18492	201.46207	59.54897	15.51395	0.0344478	0.23730315	2.5838485	20	—	—
398567 2011 WT_{8}	17.0	X	106.97558	71.95747	241.03147	11.28982	0.1654944	0.23763491	2.5814431	20	—	—
398568 2011 WR_{12}	16.2	X	293.32436	68.40173	242.48703	7.45947	0.0611047	0.17668586	3.1453442	20	5 15.2	20.5
398569 2011 WW_{14}	17.0	X	35.67043	167.93368	216.51586	12.69971	0.2369686	0.23513235	2.5997273	20	—	—
398570 2011 WZ_{15}	15.7	X	189.07242	359.41832	75.65901	17.99754	0.1924055	0.17713880	3.1399803	20	6 13.3	20.9
398571 2011 WN_{17}	17.5	X	226.01322	262.53372	67.43107	10.74105	0.2689592	0.28231469	2.3013379	20	3 8.6	21.7
398572 2011 WW_{34}	16.8	X	354.63944	296.67393	66.28912	6.08803	0.0427475	0.21275636	2.7789518	20	10 26.0	20.4
398573 2011 WP_{35}	17.2	X	160.64468	295.92684	64.21227	7.40576	0.1213406	0.26623936	2.3930652	20	2 13.5	20.7
398574 2011 WZ_{38}	16.8	X	65.05854	305.50720	0.33641	1.41315	0.0614714	0.21848304	2.7301776	20	11 16.6	20.7
398575 2011 WP_{43}	16.6	X	54.58317	248.50828	84.63863	10.51543	0.0846472	0.22166818	2.7039614	20	12 12.5	20.3
398576 2011 WT_{44}	17.0	X	157.20051	158.71841	246.14842	5.87378	0.1329258	0.27645463	2.3337454	20	4 1.9	20.4
398577 2011 WK_{45}	17.8	X	311.32367	113.73235	230.68013	4.02211	0.2953448	0.31271525	2.1496612	20	6 26.1	19.0
398578 2011 WX_{47}	15.4	X	114.81585	227.60838	268.74025	11.79205	0.1191307	0.17144926	3.2090684	20	6 16.2	20.2
398579 2011 WJ_{49}	16.6	X	194.29577	22.66401	56.49688	13.32050	0.2263571	0.18396118	3.0618595	20	6 21.5	21.9
398580 2011 WG_{53}	16.3	X	258.06499	136.86848	263.38071	9.45736	0.1126285	0.19153365	2.9806158	20	7 15.5	20.6
398581 2011 WM_{56}	16.9	X	313.93229	292.45754	88.11076	6.02233	0.1253471	0.20627506	2.8368622	20	9 14.9	20.2
398582 2011 WV_{56}	16.3	X	220.76617	301.27818	76.58790	11.57726	0.1063172	0.17494497	3.1661761	20	5 10.9	21.3
398583 2011 WX_{62}	15.8	X	188.45143	218.79985	217.58064	16.99531	0.2434825	0.17866439	3.1220802	20	6 13.4	21.4
398584 2011 WF_{64}	15.8	X	124.78122	224.85837	268.17612	7.98260	0.0418691	0.17377435	3.1803794	20	6 15.1	20.4
398585 2011 WM_{64}	16.5	X	33.94521	159.89529	43.80953	5.14220	0.0356726	0.16741959	3.2603573	20	5 18.2	21.0
398586 2011 WU_{64}	15.7	X	166.73850	36.14605	65.54502	10.43290	0.0792466	0.17646428	3.1479768	20	6 25.3	20.5
398587 2011 WR_{66}	16.5	X	17.57723	299.13095	75.67336	9.76636	0.1113037	0.22560903	2.6723811	20	12 22.3	19.8
398588 2011 WQ_{70}	17.4	X	114.12362	256.00448	64.45758	8.87820	0.2519738	0.24288452	2.5441116	20	—	—
398589 2011 WR_{70}	15.7	X	260.07515	91.34765	250.85378	9.43309	0.0927851	0.17504531	3.1649661	20	5 7.9	20.4
398590 2011 WS_{71}	16.4	X	340.78065	308.52552	73.61666	8.26305	0.2316033	0.21597880	2.7512410	20	11 12.4	18.8
398591 2011 WN_{81}	17.1	X	319.53752	180.15354	221.69571	2.95111	0.0957918	0.21319539	2.7751354	20	10 23.4	20.3
398592 2011 WG_{82}	17.0	X	315.35744	309.17245	86.00577	5.14955	0.0765898	0.20957324	2.8070200	20	10 10.8	20.4
398593 2011 WS_{86}	16.9	X	84.64323	64.97045	228.64482	4.39808	0.0977198	0.22077168	2.7112765	20	11 29.3	20.7
398594 2011 WQ_{90}	16.1	X	326.26329	243.50743	80.39090	11.70631	0.1150734	0.18989167	2.9977732	20	7 15.1	19.8
398595 2011 WY_{91}	15.7	X	187.91367	314.39807	99.31901	17.19252	0.1848033	0.17285722	3.1916190	20	5 22.8	21.2
398596 2011 WM_{95}	15.9	X	305.55215	259.73951	48.82529	13.46877	0.1105916	0.18079494	3.0975040	20	5 20.9	20.1
398597 2011 WD_{97}	16.7	X	221.71371	175.41572	240.04678	1.95766	0.0773988	0.18468677	3.0538347	20	6 27.7	21.3
398598 2011 WG_{98}	15.8	X	131.30543	85.84157	80.04564	11.45018	0.0465859	0.18690940	3.0295767	20	8 7.6	20.3
398599 2011 WC_{102}	16.8	X	55.17604	4.19622	5.51374	8.53725	0.1868709	0.23879038	2.5731089	20	—	—
398600 2011 WK_{104}	16.7	X	111.60978	350.39561	274.28235	12.34017	0.1911310	0.22199708	2.7012900	20	11 26.2	21.3
398601 2011 WR_{106}	16.6	X	186.44851	19.06002	237.78796	5.30240	0.0843804	0.23624832	2.5915339	20	—	—
398602 2011 WJ_{108}	15.9	X	159.28064	47.43958	81.07568	11.34052	0.0513702	0.18353061	3.0666464	20	7 21.9	20.5
398603 2011 WD_{112}	16.9	X	318.67800	43.02139	329.91882	1.21029	0.0795627	0.20305428	2.8667817	20	9 11.6	20.3
398604 2011 WH_{116}	16.6	X	319.06424	145.05595	254.81882	3.10089	0.1059220	0.21233893	2.7825926	20	10 18.4	19.7
398605 2011 WQ_{117}	14.7	X	76.14993	274.51313	258.48663	23.50302	0.1882314	0.17398779	3.1777778	20	6 24.9	19.2
398606 2011 WO_{118}	16.2	X	31.29437	142.09405	264.39596	9.41526	0.0098527	0.22998253	2.6383930	20	—	—
398607 2011 WL_{130}	16.5	X	159.81036	203.10629	69.07445	7.51485	0.1590492	0.24435856	2.5338701	20	—	—
398608 2011 WJ_{131}	16.1	X	175.24346	104.54503	336.38865	8.33941	0.1104070	0.17886901	3.1196986	20	6 8.3	21.2
398609 2011 WK_{143}	16.6	X	39.39398	45.49540	257.31306	5.31936	0.0413659	0.20538568	2.8450459	20	10 3.4	20.5
398610 2011 WF_{146}	17.0	X	43.66218	274.75950	81.80857	5.34084	0.1473465	0.22707695	2.6608518	20	—	—
398611 2011 WK_{149}	16.7	X	236.36508	70.38415	341.38034	8.25543	0.0379399	0.18955995	3.0012695	20	7 16.9	21.0
398612 2011 WJ_{150}	16.1	X	174.83375	275.76221	179.17673	9.19137	0.1317776	0.17914762	3.1164633	20	6 25.7	21.2
398613 2011 XU_{3}	16.0	X	191.23703	284.35944	131.59819	9.85010	0.0884623	0.17381478	3.1798862	20	5 27.9	21.0
398614 2011 XD_{4}	16.3	X	329.74572	330.71865	24.62617	2.38377	0.0742735	0.19708954	2.9243342	20	9 5.6	19.9
398615 2011 YZ_{2}	15.7	X	218.99507	319.41931	96.00569	18.00896	0.1233286	0.17529508	3.1619589	20	6 21.0	20.5
398616 2011 YB_{3}	13.8	X	310.28767	320.53251	78.44456	8.63541	0.0853862	0.08547233	5.1040983	20	9 18.4	20.4
398617 2011 YB_{20}	17.3	X	140.27336	200.85136	170.81476	1.10782	0.1932606	0.25472202	2.4646678	20	2 11.9	20.8
398618 2011 YW_{23}	15.8	X	270.58852	330.65570	64.44072	13.68349	0.3008917	0.19082883	2.9879505	20	6 28.7	20.4
398619 2011 YC_{38}	15.8	X	251.50549	271.84082	127.01027	18.76962	0.1650427	0.17679914	3.1440005	20	6 30.8	20.6
398620 2011 YW_{42}	15.7	X	346.24896	207.64084	81.28412	9.77211	0.0602380	0.17466161	3.1695996	20	7 1.2	19.7
398621 2011 YW_{45}	15.7	X	282.34744	255.65923	97.42813	16.77770	0.1193686	0.17243816	3.1967877	20	6 16.3	20.1
398622 2011 YE_{48}	16.1	X	311.39237	233.29259	88.05730	10.46156	0.0896647	0.18513213	3.0489352	20	6 19.6	20.1
398623 2011 YC_{49}	15.6	X	224.75074	295.02869	105.47257	15.19727	0.0554974	0.17071008	3.2183253	20	6 15.3	20.4
398624 2011 YP_{59}	15.5	X	318.63878	210.40633	121.28519	16.41382	0.0628879	0.17457267	3.1706761	20	7 16.5	19.7
398625 2011 YZ_{70}	15.4	X	220.59158	302.28914	102.86867	17.29792	0.0694003	0.17268246	3.1937719	20	6 15.3	20.2
398626 2011 YB_{78}	15.8	X	348.14615	165.08118	121.71495	11.35259	0.0315367	0.18305024	3.0720092	20	7 2.2	19.9
398627 2012 BZ_{8}	16.1	X	250.82466	240.70040	128.25001	7.35264	0.1693428	0.17159647	3.2072328	20	5 24.4	21.1
398628 2012 BH_{57}	16.3	X	278.06499	241.85594	125.31120	6.42372	0.1522577	0.17874777	3.1211092	20	6 23.3	20.6
398629 2012 BX_{117}	15.7	X	257.08719	247.91662	131.46709	9.57099	0.1547108	0.17172971	3.2055737	20	6 13.9	20.5
398630 2012 BP_{144}	16.0	X	253.85535	265.02418	133.83122	20.38291	0.2438328	0.17796536	3.1302503	20	6 25.0	21.1
398631 2012 BH_{149}	16.4	X	155.82821	16.31789	319.94457	8.28891	0.1271053	0.23691671	2.5866574	20	1 12.1	20.2
398632 2012 CL_{25}	15.9	X	80.47999	351.24959	309.00178	9.06962	0.2038038	0.19113510	2.9847577	20	12 6.9	20.8
398633 2012 CH_{26}	16.2	X	310.73827	14.13924	12.96097	1.49148	0.0220117	0.18832359	3.0143909	20	9 20.9	20.2
398634 2012 DO_{77}	17.1	X	316.21651	207.20858	345.18412	6.45230	0.1673171	0.22736564	2.6585989	20	—	—
398635 2012 FW_{6}	15.6	X	351.70574	151.23530	168.51590	11.17199	0.0465456	0.16989049	3.2286676	20	8 16.7	20.0
398636 2012 FQ_{48}	15.8	X	110.39143	79.42894	168.24692	11.46980	0.0495486	0.17935173	3.1140984	20	10 23.3	20.4
398637 2012 LB_{11}	16.9	X	343.46033	274.82498	112.12028	22.43528	0.2583425	0.27572000	2.3378889	20	12 25.4	19.0
398638 2012 QD_{17}	18.4	X	79.69838	178.49108	146.19478	26.18447	0.0633951	0.40567975	1.8072317	20	—	—
398639 2012 QP_{31}	15.9	X	123.80861	138.01800	323.59562	13.21232	0.1755545	0.20381896	2.8596069	20	5 14.9	20.6
398640 2012 QZ_{39}	17.3	X	306.07852	300.15823	118.64116	24.92967	0.1218913	0.38557932	1.8695061	20	12 26.1	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398641 2012 RP_{31}	17.9	X	198.19195	201.19202	228.54069	9.96390	0.2650208	0.34167268	2.0264189	20	6 14.6	21.2
398642 2012 RX_{33}	18.5	X	78.01653	91.89900	355.54976	4.92399	0.1455556	0.30562309	2.1827899	20	2 18.2	20.4
398643 2012 SH_{15}	18.1	X	59.70046	197.19174	238.34846	6.30232	0.0880926	0.29599539	2.2298693	20	—	—
398644 2012 SU_{62}	17.4	X	346.40980	199.77251	257.19205	4.37596	0.1108200	0.27921875	2.3183179	20	—	—
398645 2012 TT_{13}	16.6	X	268.75080	227.72108	205.27147	32.02854	0.2979015	0.23518175	2.5993633	20	8 11.3	20.9
398646 2012 TA_{15}	17.9	X	10.28360	150.32968	233.29281	20.85334	0.0956259	0.39420997	1.8421189	20	—	—
398647 2012 TD_{26}	16.1	X	272.39082	38.71604	3.48889	32.28795	0.1833686	0.23211129	2.6222366	20	8 19.5	20.1
398648 2012 TT_{52}	17.5	X	338.08166	177.77545	178.71941	21.65011	0.1060235	0.37016305	1.9210589	20	11 6.6	19.2
398649 2012 TH_{58}	18.1	X	16.58918	56.49638	59.44595	4.80462	0.1256921	0.28807102	2.2705775	20	—	—
398650 2012 TR_{67}	16.5	X	192.11033	261.21036	222.32213	13.01053	0.1979939	0.22319252	2.6916358	20	8 11.6	21.2
398651 2012 TL_{71}	16.7	X	170.88224	62.94545	2.00301	12.09203	0.0533515	0.20457851	2.8525244	20	5 10.1	21.1
398652 2012 TH_{162}	18.2	X	350.89049	87.42735	38.53289	3.77431	0.1752299	0.28428568	2.2906886	20	—	—
398653 2012 TX_{246}	17.5	X	299.43387	243.89847	276.93622	4.64563	0.0909430	0.28175489	2.3043852	20	—	—
398654 2012 TV_{252}	17.8	X	334.73213	205.32688	333.15090	6.65122	0.0693729	0.30151786	2.2025580	20	1 2.2	20.2
398655 2012 TT_{294}	17.3	X	242.91737	94.30246	22.81632	3.27880	0.0867844	0.24056529	2.5604368	20	10 16.6	20.7
398656 2012 UQ_{25}	16.9	X	343.69004	159.25322	292.11666	6.38424	0.0595484	0.27383146	2.3486258	20	—	—
398657 2012 UL_{42}	18.0	X	41.11874	267.93508	28.84745	21.64113	0.0510142	0.37162747	1.9160089	20	10 31.7	19.8
398658 2012 UA_{44}	16.7	X	271.29339	3.97300	57.64366	16.51628	0.1555215	0.23069488	2.6329589	20	9 8.8	20.4
398659 2012 UM_{45}	16.5	X	223.41748	16.75558	42.08024	11.67333	0.1546369	0.21645939	2.7471672	20	6 27.8	21.0
398660 2012 UQ_{48}	17.6	X	303.65699	4.94405	207.92197	8.12330	0.0871308	0.30329790	2.1939318	20	1 1.9	20.5
398661 2012 UL_{52}	17.1	X	194.29360	260.57638	210.56805	5.78896	0.1161012	0.22218250	2.6997869	20	8 5.1	21.3
398662 2012 UJ_{79}	16.1	X	102.11457	72.78845	35.60271	25.42128	0.2130730	0.18212714	3.0823807	20	5 6.2	20.8
398663 2012 UY_{86}	17.2	X	263.34000	146.76088	298.43671	1.76296	0.2233453	0.23483477	2.6019231	20	9 8.3	20.4
398664 2012 UF_{90}	17.3	X	242.59240	295.11750	207.05841	1.35684	0.2115225	0.24100206	2.5573424	20	10 30.7	20.6
398665 2012 US_{138}	17.4	X	112.19690	345.56034	225.76375	20.15481	0.0463455	0.36295551	1.9464076	20	9 29.0	19.8
398666 2012 UC_{141}	17.5	X	328.98797	84.27987	46.64266	6.08582	0.1135751	0.27870974	2.3211397	20	—	—
398667 2012 UO_{146}	16.7	X	219.46192	242.35654	229.82517	12.42476	0.1123005	0.23156323	2.6263725	20	8 31.7	20.8
398668 2012 UB_{173}	15.7	X	147.50492	1.42191	34.98584	15.50259	0.2474668	0.17869930	3.1216735	20	4 2.2	21.1
398669 2012 UH_{174}	17.4	X	327.21660	312.18247	88.83530	23.77736	0.0663509	0.38095921	1.8845908	20	12 24.4	18.7
398670 2012 VP_{5}	17.5	X	358.67360	64.54383	237.68894	19.35511	0.0823212	0.35551851	1.9734581	20	8 20.7	19.8
398671 2012 VA_{24}	17.2	X	171.73852	210.92997	58.16199	5.36358	0.1370935	0.27772704	2.3266119	20	—	—
398672 2012 VK_{28}	18.5	X	38.58517	242.62225	232.70036	2.71978	0.1096333	0.29826338	2.2185510	20	1 12.0	20.2
398673 2012 VA_{36}	16.7	X	153.00155	77.88504	76.69623	7.36964	0.0326076	0.22193839	2.7017662	20	8 21.8	20.5
398674 2012 VW_{41}	17.2	X	339.27051	29.98276	47.63534	7.97142	0.0914179	0.26546751	2.3977016	20	—	—
398675 2012 VD_{46}	17.9	X	85.26888	215.95567	236.88286	2.45303	0.1277949	0.29903873	2.2147145	20	3 5.2	20.1
398676 2012 VY_{51}	17.0	X	317.07334	355.87607	104.16699	5.67247	0.1487619	0.25527657	2.4610971	20	—	—
398677 2012 VE_{60}	17.5	X	337.93370	61.02611	62.54758	6.88653	0.0355440	0.27779888	2.3262107	20	—	—
398678 2012 VS_{65}	15.8	X	33.31601	73.97578	73.90503	8.70043	0.1201943	0.17096219	3.2151605	20	3 18.6	19.9
398679 2012 VZ_{66}	17.9	X	299.77689	105.67617	44.58541	6.73448	0.0695917	0.27377455	2.3489512	20	—	—
398680 2012 VW_{71}	16.9	X	222.63744	57.48700	62.14723	8.25482	0.1197480	0.23013787	2.6372056	20	9 23.0	20.8
398681 2012 VK_{78}	17.0	X	292.80810	288.28104	138.93743	6.80830	0.1222836	0.24181826	2.5515847	20	10 21.7	19.8
398682 2012 VQ_{85}	18.3	X	345.74025	54.36994	51.06697	2.09377	0.1412729	0.27309478	2.3528475	20	—	—
398683 2012 VM_{88}	16.4	X	121.14193	30.92208	56.82491	6.11046	0.1423783	0.17987636	3.1080404	20	4 27.4	21.1
398684 2012 VS_{90}	18.7	X	50.42120	268.01697	205.88701	2.28578	0.0665014	0.29713124	2.2241830	20	1 30.3	21.0
398685 2012 VW_{90}	17.7	X	267.58469	252.20383	218.36815	3.53006	0.1971832	0.24064625	2.5598626	20	10 25.4	20.7
398686 2012 VK_{100}	17.8	X	85.55011	152.21753	290.73349	2.28440	0.1427004	0.29952575	2.2123132	20	2 22.8	19.8
398687 2012 WB	18.3	X	25.42861	237.75837	62.89153	15.98955	0.1775819	0.36516406	1.9385516	20	11 10.1	20.1
398688 2012 WV_{6}	17.7	X	296.40801	256.63206	242.67558	3.83734	0.1736890	0.26172646	2.4204956	20	—	—
398689 2012 WJ_{11}	17.9	X	1.10559	111.28479	76.19331	2.93941	0.0939311	0.30645512	2.1788373	20	2 23.5	19.7
398690 2012 WV_{11}	17.0	X	241.37670	308.77260	235.84448	14.48187	0.0236415	0.26291950	2.4131678	20	—	—
398691 2012 WF_{14}	17.4	X	249.11747	122.84901	77.62469	9.91692	0.1549071	0.26712182	2.3877919	20	—	—
398692 2012 WF_{21}	16.2	X	328.44241	274.61520	51.57940	7.36111	0.0805315	0.21850812	2.7299687	20	7 28.8	19.6
398693 2012 WW_{25}	18.2	X	41.19127	294.43629	155.88779	2.61040	0.1733777	0.28496910	2.2870248	20	—	—
398694 2012 WZ_{28}	16.2	X	187.07204	153.71385	276.47941	8.48224	0.0720908	0.19848354	2.9106259	20	6 8.3	20.6
398695 2012 WS_{34}	16.6	X	265.02337	223.27316	268.45580	7.67873	0.1050571	0.24514908	2.5284199	20	12 4.8	19.6
398696 2012 WD_{35}	17.8	X	56.22061	182.81588	240.17480	5.03768	0.1859619	0.27953827	2.3165510	20	—	—
398697 2012 XF_{10}	17.4	X	351.63610	88.72891	40.82396	2.75255	0.1618573	0.27621021	2.3351219	20	—	—
398698 2012 XW_{19}	17.3	X	251.23845	53.98410	61.65919	3.48762	0.1012381	0.23843707	2.5756501	20	10 24.2	20.6
398699 2012 XQ_{24}	16.3	X	105.08903	241.45759	242.75394	5.37112	0.1355497	0.18741773	3.0240962	20	5 23.1	20.6
398700 2012 XU_{27}	16.5	X	265.73334	20.10322	69.46890	14.28132	0.1467395	0.23389161	2.6089132	20	10 8.9	20.0
398701 2012 XX_{29}	18.0	X	241.17785	34.74999	288.42783	1.78285	0.0041609	0.31260131	2.1501835	20	3 21.8	20.5
398702 2012 XN_{31}	17.5	X	70.28851	356.92092	91.55215	6.20315	0.1248267	0.29341999	2.2428983	20	2 5.2	19.5
398703 2012 XM_{41}	17.4	X	18.37993	228.75767	250.16929	4.62818	0.1052970	0.28304815	2.2973606	20	—	—
398704 2012 XX_{44}	17.4	X	235.93675	105.98300	42.77466	1.30199	0.1571643	0.23924688	2.5698347	20	11 7.4	20.6
398705 2012 XM_{46}	16.2	X	352.24816	287.81090	88.10722	10.15222	0.1511419	0.24383689	2.5374828	20	11 27.3	18.8
398706 2012 XP_{46}	17.0	X	272.57728	112.52250	85.79341	13.79445	0.1446724	0.27116934	2.3639720	20	—	—
398707 2012 XF_{50}	16.0	X	321.66666	190.88234	73.75111	11.49651	0.0300263	0.18953027	3.0015828	20	5 1.1	20.1
398708 2012 XD_{53}	15.8	X	259.52672	77.90363	280.82194	8.65449	0.0146698	0.18882860	3.0090140	20	6 8.8	20.1
398709 2012 XL_{53}	17.1	X	267.87038	1.71957	98.24314	6.51834	0.1399644	0.23180521	2.6245444	20	10 22.0	20.3
398710 2012 XA_{57}	17.9	X	255.09205	9.95387	118.59584	1.29551	0.1512725	0.24338934	2.5405925	20	11 8.8	20.8
398711 2012 XB_{57}	18.1	X	20.40981	358.14549	91.31336	2.68737	0.1402876	0.27756023	2.3275440	20	—	—
398712 2012 XQ_{57}	17.6	X	23.90849	82.67298	59.18954	6.89172	0.0739815	0.29750401	2.2223246	20	1 29.7	19.9
398713 2012 XR_{59}	17.0	X	165.28978	315.65342	224.79111	6.87468	0.1330451	0.23121685	2.6289948	20	10 3.0	21.2
398714 2012 XR_{60}	17.5	X	352.66752	294.54579	161.95579	4.81293	0.1224228	0.26784944	2.3834656	20	—	—
398715 2012 XA_{66}	17.5	X	293.45363	321.64004	161.24472	6.53406	0.1008116	0.25418791	2.4681192	20	—	—
398716 2012 XD_{67}	16.8	X	293.50546	322.46319	128.79207	7.32253	0.2201000	0.24321292	2.5418210	20	11 15.7	19.2
398717 2012 XT_{84}	16.9	X	109.02101	277.32214	196.51549	13.91130	0.2510186	0.17985929	3.1082371	20	5 28.6	22.0
398718 2012 XV_{96}	17.7	X	278.27204	254.76204	15.38793	4.19147	0.1424803	0.30699955	2.1762606	20	2 12.2	20.5
398719 2012 XS_{101}	15.9	X	79.68405	112.14664	47.48876	9.44640	0.0179462	0.19179281	2.9779301	20	5 19.3	20.1
398720 2012 XK_{105}	17.6	X	159.39084	65.06469	297.73718	6.88739	0.1136150	0.28936104	2.2638241	20	2 7.6	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398721 2012 XM_{106}	16.3	X	181.91896	52.94952	101.07395	11.25397	0.1137815	0.21274517	2.7790492	20	9 22.5	20.8
398722 2012 XQ_{107}	17.5	X	349.19813	30.00011	77.51583	7.94515	0.0648966	0.26896164	2.3768904	20	—	—
398723 2012 XT_{114}	16.9	X	282.43234	11.75420	74.70542	5.06098	0.2392649	0.23286558	2.6165710	20	10 10.5	19.6
398724 2012 XX_{114}	17.7	X	187.95709	276.07118	82.81802	5.93395	0.0576461	0.30427935	2.1892115	20	3 5.2	20.5
398725 2012 XG_{116}	17.1	X	92.10188	38.59583	28.29252	6.56632	0.0650612	0.29110791	2.2547586	20	2 2.8	19.6
398726 2012 XF_{117}	17.1	X	245.17459	30.68649	61.98606	3.16139	0.1858988	0.22697912	2.6616163	20	9 2.3	20.8
398727 2012 XM_{119}	17.1	X	5.97297	7.96523	65.52047	7.78527	0.0855434	0.25846830	2.4407944	20	—	—
398728 2012 XW_{119}	16.6	X	98.86171	346.55858	320.46128	9.32080	0.1097610	0.24275404	2.5450231	20	—	—
398729 2012 XL_{124}	16.1	X	95.14740	61.44197	105.61594	15.37707	0.1981291	0.19100911	2.9860701	20	7 13.1	20.5
398730 2012 XH_{130}	17.9	X	52.71878	122.51614	317.75899	3.14730	0.1642977	0.28479622	2.2879502	20	—	—
398731 2012 XR_{136}	17.5	X	21.48735	358.48914	78.83440	13.68835	0.1232320	0.27373293	2.3491893	20	—	—
398732 2012 XG_{137}	15.9	X	183.07839	196.20423	217.51701	9.76109	0.1676899	0.19273269	2.9682408	20	5 14.8	20.7
398733 2012 XT_{138}	16.4	X	198.54504	277.29318	231.45280	14.19197	0.0579752	0.22840833	2.6505017	20	9 30.6	20.3
398734 2012 XS_{142}	16.3	X	268.49724	216.99488	209.38426	14.03507	0.0488889	0.22482567	2.6785851	20	9 13.1	20.0
398735 2012 XS_{144}	16.8	X	204.00726	342.54676	95.46814	4.30165	0.2035116	0.20015761	2.8943740	20	6 30.2	21.4
398736 2012 XC_{145}	17.0	X	52.20727	26.22263	287.29753	17.61633	0.0615237	0.36243554	1.9482687	20	12 15.9	19.3
398737 2012 XR_{151}	17.6	X	75.77825	283.97792	154.59815	3.96357	0.1432086	0.28551783	2.2840936	20	2 2.3	19.6
398738 2012 YA_{2}	16.2	X	204.76460	314.39594	102.19519	13.49011	0.0500822	0.19145417	2.9814407	20	6 12.9	20.6
398739 2012 YM_{4}	16.9	X	82.00513	150.28966	98.74318	4.59643	0.0418596	0.21461884	2.7628512	20	9 25.7	20.7
398740 2012 YN_{8}	13.8	X	190.59609	115.84632	40.53232	13.51123	0.0853094	0.08393261	5.1663311	20	9 21.4	21.1
398741 2013 AD_{6}	17.4	X	306.63715	335.93355	248.82104	4.50888	0.1062510	0.29518515	2.2339479	20	1 20.6	20.2
398742 2013 AN_{8}	16.4	X	303.19579	310.80876	123.92414	22.62404	0.0330344	0.22838304	2.6506974	20	11 25.7	20.3
398743 2013 AC_{11}	17.1	X	3.37360	317.02985	130.29787	7.43775	0.1519191	0.25688710	2.4507999	20	—	—
398744 2013 AA_{12}	17.5	X	88.57169	83.50554	60.33341	5.21169	0.0674989	0.30949675	2.1645385	20	5 16.5	19.8
398745 2013 AX_{20}	16.7	X	248.11417	16.07310	100.93748	10.71319	0.2100245	0.22519182	2.6756808	20	10 8.1	20.6
398746 2013 AE_{24}	17.9	X	325.06198	48.84963	99.27923	2.21509	0.1225254	0.27161946	2.3613596	20	—	—
398747 2013 AO_{24}	16.8	X	8.12099	92.35667	282.60953	4.20305	0.1198490	0.24619711	2.5212394	20	12 16.4	19.8
398748 2013 AW_{24}	17.0	X	307.95016	222.66573	259.92533	0.48443	0.1428490	0.25616520	2.4554021	20	—	—
398749 2013 AX_{29}	16.1	X	238.88621	292.79252	108.70159	11.04975	0.0346563	0.18623393	3.0368978	20	7 5.2	20.4
398750 2013 AP_{31}	16.2	X	133.39560	121.15423	332.15967	8.54048	0.1472848	0.17811051	3.1285495	20	5 13.2	21.2
398751 2013 AY_{35}	16.7	X	230.35854	216.26450	308.72726	12.84829	0.1937359	0.23185802	2.6241458	20	11 10.7	20.7
398752 2013 AC_{38}	17.1	X	247.60095	7.27523	115.64974	3.08454	0.0767825	0.22640181	2.6661390	20	10 30.7	20.5
398753 2013 AG_{39}	13.9	X	188.51860	43.96343	126.10259	8.61531	0.0564875	0.08449426	5.1434111	20	10 3.2	21.0
398754 2013 AH_{39}	17.4	X	158.15444	251.77425	120.88110	7.18898	0.1219681	0.29034519	2.2587056	20	2 22.7	20.4
398755 2013 AT_{39}	17.0	X	285.94331	131.75209	293.05523	5.07046	0.0251142	0.21843077	2.7306131	20	10 8.0	20.6
398756 2013 AX_{39}	16.5	X	266.99128	349.23803	126.24667	14.29773	0.1173104	0.23023711	2.6364477	20	11 15.8	20.0
398757 2013 AW_{40}	17.8	X	120.63362	270.32718	132.41780	6.74697	0.1044517	0.28608159	2.2810919	20	2 14.8	20.4
398758 2013 AW_{41}	17.2	X	190.27285	118.80048	58.60639	5.15166	0.0291514	0.22167409	2.7039133	20	11 2.8	20.9
398759 2013 AG_{42}	17.1	X	184.63885	163.83151	84.68478	7.87051	0.1938313	0.23772139	2.5808170	20	—	—
398760 2013 AC_{43}	17.7	X	352.27069	347.15547	58.40410	3.79639	0.1551237	0.24035161	2.5619542	20	—	—
398761 2013 AC_{55}	16.6	X	117.41956	17.16390	103.66448	5.44084	0.1463647	0.17374930	3.1806851	20	6 3.2	21.4
398762 2013 AB_{58}	16.8	X	36.76992	18.08449	312.41248	5.59857	0.0159706	0.22415178	2.6839511	20	11 4.9	20.5
398763 2013 AE_{71}	16.1	X	40.13345	4.87873	307.88239	4.93604	0.0201347	0.21773162	2.7364555	20	10 16.5	19.9
398764 2013 AF_{73}	16.9	X	32.82370	15.76985	43.83826	2.99677	0.1096876	0.25941713	2.4348392	20	—	—
398765 2013 AZ_{73}	16.7	X	155.01227	168.75088	43.30056	10.93449	0.0930352	0.22368208	2.6877070	20	11 2.8	20.7
398766 2013 AS_{74}	16.5	X	289.70120	15.19278	85.78027	5.81112	0.1285263	0.23464077	2.6033570	20	11 27.6	19.2
398767 2013 AO_{80}	16.5	X	186.36870	306.63807	165.36136	8.23931	0.1099213	0.20167382	2.8798489	20	7 28.6	21.1
398768 2013 AT_{80}	17.5	X	26.11331	332.61244	94.41431	7.01577	0.1171187	0.26158959	2.4213398	20	—	—
398769 2013 AN_{83}	17.6	X	57.25903	261.97284	179.18933	6.35944	0.0675803	0.27697631	2.3308141	20	—	—
398770 2013 AC_{88}	17.0	X	256.27658	127.90721	320.33976	5.40564	0.1541546	0.22237481	2.6982301	20	9 11.1	20.6
398771 2013 AO_{88}	16.8	X	290.52598	20.57070	56.08050	7.89636	0.2907469	0.23187300	2.6240328	20	10 3.8	19.3
398772 2013 AR_{92}	16.3	X	110.69982	50.10073	92.25398	12.09439	0.0575825	0.18330656	3.0691448	20	6 12.4	20.6
398773 2013 AU_{95}	16.3	X	213.60394	27.35412	108.33087	5.92865	0.0636194	0.21508088	2.7588929	20	10 6.3	20.3
398774 2013 AD_{96}	16.4	X	4.26505	242.76032	91.46756	12.35270	0.1834835	0.22229844	2.6988481	20	10 24.2	19.5
398775 2013 AR_{96}	17.2	X	306.39261	351.03064	79.92241	5.02768	0.0651770	0.23264887	2.6181956	20	11 17.9	20.2
398776 2013 AZ_{101}	16.5	X	172.59777	13.91705	87.36972	12.88580	0.2072661	0.19184286	2.9774121	20	7 2.0	21.5
398777 2013 AX_{104}	17.4	X	350.92111	51.33842	149.59950	6.47106	0.0807003	0.28297994	2.2977297	20	3 1.3	19.8
398778 2013 AY_{108}	17.4	X	42.16808	36.54907	272.99323	1.41592	0.0083547	0.21964553	2.7205359	20	10 15.5	21.1
398779 2013 AN_{111}	17.4	X	221.45566	9.88088	151.14642	10.20795	0.0489059	0.22958753	2.6414183	20	11 21.4	21.2
398780 2013 AO_{111}	16.8	X	217.77497	24.26607	130.44657	9.82097	0.0815336	0.22399274	2.6852213	20	11 4.5	20.7
398781 2013 AR_{117}	16.7	X	222.76277	34.01456	75.70532	5.46090	0.0278290	0.21119637	2.7926194	20	9 17.9	20.7
398782 2013 AX_{117}	17.2	X	39.26197	297.52992	98.29857	9.47703	0.2305161	0.25900335	2.4374317	20	—	—
398783 2013 AG_{118}	17.3	X	234.56125	73.05239	15.50563	5.80265	0.1056123	0.20989061	2.8041896	20	8 24.8	21.3
398784 2013 AF_{122}	17.8	X	77.52321	298.30803	108.36150	8.17508	0.1006961	0.27128199	2.3633175	20	—	—
398785 2013 AH_{122}	17.0	X	122.56047	299.30673	63.69743	3.61974	0.0414010	0.26902461	2.3765195	20	—	—
398786 2013 AB_{124}	16.6	X	149.45018	112.54181	75.86581	4.93311	0.0355016	0.21167127	2.7884409	20	9 28.8	20.6
398787 2013 AJ_{125}	17.3	X	279.64836	16.70671	86.11926	10.11892	0.1126837	0.22979462	2.6398311	20	11 15.8	20.5
398788 2013 AU_{126}	17.4	X	222.42329	285.18671	230.04621	2.56568	0.1024095	0.22892560	2.6465076	20	11 4.8	21.1
398789 2013 AX_{126}	15.8	X	233.09024	81.77456	264.18439	9.55242	0.0987053	0.17540481	3.1606401	20	4 9.4	20.8
398790 2013 AG_{127}	16.7	X	245.32178	353.49495	104.93450	10.56209	0.1026212	0.21828598	2.7318204	20	9 24.5	20.6
398791 2013 AR_{133}	13.9	X	218.74732	113.60537	26.34819	9.99784	0.0722514	0.08337393	5.1893847	20	9 27.8	21.1
398792 2013 AL_{134}	16.8	X	92.21816	56.06134	88.52981	10.55927	0.0787568	0.17692075	3.1425597	20	5 27.3	21.3
398793 2013 AQ_{138}	16.6	X	90.15700	338.57800	202.76792	14.26761	0.2126879	0.18338378	3.0682832	20	7 23.5	21.5
398794 2013 AO_{141}	16.1	X	128.54399	225.76553	218.79510	14.34892	0.0288737	0.16950402	3.2335734	20	4 17.7	20.8
398795 2013 AV_{142}	16.9	X	89.92293	98.14481	201.93310	14.77552	0.1582262	0.23471820	2.6027845	20	12 19.4	21.2
398796 2013 AR_{144}	17.4	X	341.17833	163.96596	220.03615	11.72149	0.0513323	0.22749406	2.6575983	20	11 5.5	20.7
398797 2013 AT_{149}	16.9	X	24.55321	51.21221	185.71636	9.91417	0.2400564	0.17793660	3.1305876	20	7 7.9	20.4
398798 2013 AQ_{167}	17.0	X	124.43467	22.73338	245.60858	9.23040	0.0925070	0.23258104	2.6187046	20	12 11.6	20.9
398799 2013 AN_{173}	16.6	X	82.94390	312.21214	222.50341	9.69159	0.0789190	0.18131134	3.0916197	20	6 21.4	21.0
398800 2013 BZ	13.6	X	218.04306	57.06918	75.80046	8.48791	0.0140264	0.08483438	5.1296545	20	9 26.4	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398801 2013 BP_{11}	17.2	X	176.30446	187.24373	113.65790	6.02157	0.1103913	0.26554065	2.3972613	20	—	—
398802 2013 BK_{20}	16.7	X	192.05339	298.95088	179.64711	8.20173	0.1114960	0.20374691	2.8602810	20	8 11.4	21.2
398803 2013 BB_{22}	16.9	X	15.16807	187.21288	68.26382	2.81651	0.0216723	0.18810186	3.0167592	20	6 28.5	21.0
398804 2013 BB_{29}	16.8	X	250.77744	237.55052	249.07561	4.67754	0.1064530	0.22817061	2.6523423	20	11 2.4	20.3
398805 2013 BN_{31}	17.1	X	333.76400	39.24088	351.72075	5.99343	0.0300205	0.22551354	2.6731355	20	10 31.4	20.6
398806 2013 BO_{37}	17.4	X	327.67267	340.57970	126.39888	9.36006	0.1246763	0.25177203	2.4838826	20	—	—
398807 2013 BR_{37}	16.8	X	314.40803	294.18219	123.35213	13.89866	0.1097597	0.23133278	2.6281164	20	11 15.4	20.0
398808 2013 BT_{37}	17.3	X	145.38033	341.73052	143.39869	1.71577	0.1095146	0.18860433	3.0113988	20	7 3.9	21.9
398809 2013 BC_{38}	17.0	X	240.23476	349.15767	122.14758	4.33874	0.0934310	0.22144454	2.7057816	20	10 3.4	20.7
398810 2013 BQ_{39}	15.7	X	279.32768	38.13222	305.42446	10.15169	0.1109669	0.18553783	3.0444889	20	5 30.4	20.1
398811 2013 BS_{39}	17.1	X	72.76392	143.55340	146.56100	3.81426	0.0812970	0.21917548	2.7244242	20	11 10.5	20.9
398812 2013 BD_{40}	16.3	X	26.66071	296.37102	307.19998	8.71528	0.0772864	0.18262887	3.0767327	20	7 4.1	20.2
398813 2013 BJ_{40}	17.2	X	245.40619	129.75991	145.92899	3.64266	0.2287057	0.27305998	2.3530474	20	1 14.6	21.0
398814 2013 BN_{43}	15.7	X	62.36369	72.36409	119.47255	24.15184	0.0646625	0.17908763	3.1171592	20	6 18.2	20.2
398815 2013 BZ_{43}	17.9	X	17.77264	337.96983	78.44543	2.57049	0.1707958	0.25550713	2.4596163	20	—	—
398816 2013 BZ_{53}	17.6	X	263.59279	317.50870	150.42848	3.61617	0.0616616	0.22760968	2.6566982	20	11 4.3	21.0
398817 2013 BN_{55}	16.3	X	214.28724	238.74257	133.19326	9.89179	0.0692864	0.17631391	3.1497663	20	4 30.7	21.2
398818 2013 BX_{56}	17.5	X	223.38977	0.66007	119.23854	4.39704	0.0648260	0.21721458	2.7407962	20	9 26.9	21.4
398819 2013 BC_{61}	16.7	X	134.72384	81.36753	130.81342	8.05116	0.0331145	0.21169759	2.7882098	20	10 12.4	20.7
398820 2013 BY_{63}	16.1	X	134.75721	330.42936	133.17386	14.80528	0.0943916	0.17203982	3.2017203	20	5 29.3	21.2
398821 2013 BZ_{63}	17.2	X	83.32714	245.02544	149.01396	3.32555	0.1562714	0.26694938	2.3888200	20	—	—
398822 2013 BV_{65}	16.9	X	75.37612	219.95018	156.28146	4.83627	0.0872745	0.25637206	2.4540812	20	—	—
398823 2013 BX_{65}	16.8	X	57.78317	96.85489	104.85178	4.57479	0.0568862	0.18010391	3.1054219	20	6 20.3	20.8
398824 2013 BY_{65}	17.4	X	90.28545	53.41265	320.58709	5.90823	0.1265265	0.26452274	2.4034073	20	—	—
398825 2013 BE_{69}	15.9	X	158.49109	334.17132	111.02449	12.22668	0.0404827	0.17824791	3.1269415	20	5 28.1	20.6
398826 2013 BG_{74}	16.3	X	224.02116	120.57714	24.43159	14.83584	0.0619227	0.22402814	2.6849385	20	10 27.6	20.1
398827 2013 BQ_{78}	16.9	X	355.60474	297.72757	113.62595	13.67320	0.1214690	0.24076835	2.5589970	20	—	—
398828 2013 BV_{80}	15.4	X	87.49319	258.58217	276.68603	8.79360	0.0376766	0.18559092	3.0439083	20	6 22.6	19.5
398829 2013 CJ_{3}	16.0	X	92.49486	21.29390	148.74690	11.54579	0.0255114	0.18031558	3.1029913	20	6 20.9	20.5
398830 2013 CQ_{3}	16.8	X	240.25407	267.06516	199.78497	2.94316	0.0393064	0.21391967	2.7688679	20	10 1.9	20.5
398831 2013 CN_{4}	17.2	X	307.06947	350.66596	260.83308	3.75278	0.1174935	0.28901693	2.2656207	20	2 25.4	19.9
398832 2013 CS_{4}	17.0	X	101.01570	355.44196	241.29634	2.50255	0.0401968	0.20988413	2.8042473	20	9 28.8	20.8
398833 2013 CH_{10}	16.6	X	176.92777	198.14464	318.92254	8.92990	0.0365347	0.21071221	2.7968956	20	9 15.3	20.7
398834 2013 CP_{10}	16.7	X	242.75022	70.15550	63.67925	4.80720	0.0472961	0.22372033	2.6874006	20	11 10.4	20.2
398835 2013 CZ_{13}	17.9	X	33.33787	356.09957	58.33168	3.52002	0.1471857	0.25559685	2.4590407	20	—	—
398836 2013 CV_{14}	16.3	X	59.79879	110.06364	128.70630	10.28451	0.0667712	0.18902235	3.0069574	20	8 13.2	20.3
398837 2013 CE_{17}	16.6	X	233.07475	236.05655	196.66149	5.26340	0.0483058	0.19444360	2.9508035	20	8 4.6	20.9
398838 2013 CP_{17}	17.4	X	193.22211	244.93837	68.97704	3.75365	0.0284137	0.26752698	2.3853805	20	1 12.5	20.4
398839 2013 CV_{22}	16.4	X	280.51869	254.13758	131.57751	11.97560	0.1088938	0.19806991	2.9146766	20	7 28.4	20.3
398840 2013 CP_{30}	17.1	X	235.38375	161.36933	95.72054	6.64775	0.0911819	0.26295558	2.4129470	20	—	—
398841 2013 CL_{31}	16.2	X	216.59108	303.05198	94.71459	9.50829	0.0824767	0.17627642	3.1502129	20	5 31.4	20.9
398842 2013 CT_{33}	16.4	X	203.38863	292.23335	163.46871	10.77729	0.0422195	0.18744695	3.0237819	20	7 29.4	21.0
398843 2013 CD_{34}	16.5	X	180.59113	321.89559	165.85749	6.59113	0.2174900	0.20192424	2.8774674	20	8 9.1	21.4
398844 2013 CY_{36}	16.3	X	105.78220	283.99633	212.05358	13.12084	0.2483892	0.17276836	3.1927132	20	6 19.5	21.6
398845 2013 CY_{39}	16.7	X	350.33987	289.28822	98.93710	5.17752	0.0482358	0.22546204	2.6735425	20	11 24.4	20.1
398846 2013 CA_{40}	14.8	X	268.90172	220.42238	103.91182	29.60985	0.2394887	0.17672091	3.1449284	20	4 24.1	20.2
398847 2013 CD_{42}	16.8	X	312.11646	137.01514	199.88232	8.37290	0.0465919	0.18812369	3.0165259	20	7 14.8	21.0
398848 2013 CV_{42}	16.1	X	202.76704	34.63100	18.81413	9.19460	0.1008437	0.17805977	3.1291437	20	6 1.3	21.0
398849 2013 CM_{44}	16.5	X	115.18852	310.32044	175.20707	8.33017	0.2219843	0.17356739	3.1829071	20	6 14.0	21.7
398850 2013 CE_{45}	16.7	X	31.56770	350.14318	335.99008	7.16716	0.1154496	0.21520494	2.7578325	20	11 4.2	20.4
398851 2013 CQ_{46}	15.9	X	306.92344	197.50242	107.54941	10.67360	0.0731899	0.17499374	3.1655879	20	5 27.1	20.2
398852 2013 CH_{47}	16.4	X	41.11654	243.23918	70.44617	5.96365	0.0367730	0.21497375	2.7598094	20	10 25.4	20.1
398853 2013 CC_{49}	16.7	X	108.35650	6.81888	110.78307	11.37612	0.0734391	0.17419593	3.1752460	20	5 14.7	21.4
398854 2013 CA_{50}	16.6	X	157.87329	204.13302	238.52449	3.48181	0.1412239	0.17590470	3.1546493	20	5 26.2	21.6
398855 2013 CL_{50}	17.2	X	59.00395	243.59804	147.02524	6.76955	0.1347119	0.26316293	2.4116794	20	—	—
398856 2013 CT_{50}	17.2	X	284.51903	285.32875	168.23331	6.46095	0.0654575	0.22841614	2.6504413	20	11 15.3	20.6
398857 2013 CV_{50}	16.7	X	122.81280	62.45016	147.94797	10.06558	0.0782936	0.20716626	2.8287205	20	9 27.4	21.0
398858 2013 CL_{51}	17.1	X	239.80668	318.49215	150.05652	4.98930	0.0397024	0.21283300	2.7782847	20	10 5.3	20.9
398859 2013 CY_{51}	17.2	X	182.17927	32.19837	69.74032	1.24418	0.1571786	0.19135847	2.9824345	20	7 11.7	21.9
398860 2013 CF_{52}	16.5	X	261.09422	328.48232	126.43207	6.10495	0.0799262	0.21759252	2.7376215	20	10 11.6	20.1
398861 2013 CQ_{52}	16.9	X	272.59302	112.96427	78.06961	11.50519	0.1380608	0.25336008	2.4734924	20	—	—
398862 2013 CY_{53}	15.3	X	3.30127	101.14115	152.99072	21.92161	0.0934960	0.17094750	3.2153447	20	6 14.4	19.8
398863 2013 CB_{55}	15.5	X	210.38063	33.83868	19.16007	9.38206	0.0724576	0.17414810	3.1758274	20	6 10.9	20.4
398864 2013 CN_{56}	16.8	X	2.90809	107.40482	307.96017	11.39533	0.1580584	0.24388936	2.5371189	20	—	—
398865 2013 CA_{58}	16.2	X	66.71551	266.12995	293.52466	5.82358	0.0982487	0.17441221	3.1726205	20	7 5.7	20.5
398866 2013 CR_{58}	16.1	X	65.31743	113.59639	73.93314	3.10738	0.1536023	0.17049512	3.2210298	20	6 26.2	20.4
398867 2013 CV_{58}	15.8	X	112.98128	203.17793	323.79680	9.78191	0.0603364	0.18375455	3.0641544	20	7 18.1	20.3
398868 2013 CW_{58}	16.7	X	180.56264	221.87210	318.47594	2.43794	0.0285054	0.21510087	2.7587220	20	10 22.7	20.6
398869 2013 CB_{60}	16.7	X	89.04429	58.82094	158.84715	1.44674	0.1301516	0.19302720	2.9652209	20	8 31.2	20.9
398870 2013 CZ_{60}	16.6	X	307.52431	320.26349	78.99517	5.30289	0.0672272	0.21478043	2.7614652	20	10 6.0	20.1
398871 2013 CK_{62}	16.3	X	236.86729	298.42465	161.67008	16.27433	0.1186771	0.21238375	2.7822011	20	9 8.2	20.1
398872 2013 CN_{62}	16.4	X	152.11343	286.54525	155.24575	7.98810	0.1696945	0.17318057	3.1876449	20	5 23.0	21.7
398873 2013 CQ_{63}	16.0	X	37.53927	334.08246	273.42120	7.95259	0.0817591	0.18435039	3.0575485	20	7 24.0	20.0
398874 2013 CX_{65}	16.9	X	204.22288	274.32517	248.50286	0.76269	0.0248334	0.21734094	2.7397337	20	10 31.1	20.6
398875 2013 CP_{66}	16.7	X	274.66542	105.14484	159.85426	7.45341	0.1852546	0.27309598	2.3528406	20	1 29.7	20.3
398876 2013 CY_{67}	16.8	X	15.27803	140.90753	201.47294	5.23437	0.0838064	0.21601224	2.7509571	20	11 1.5	20.2
398877 2013 CV_{68}	17.1	X	0.74777	191.16771	195.86897	7.14964	0.0769240	0.23009027	2.6375693	20	12 11.5	20.4
398878 2013 CH_{72}	17.0	X	116.09935	99.64194	276.47165	5.87103	0.0773473	0.27100780	2.3649113	20	1 1.3	19.9
398879 2013 CR_{75}	16.5	X	191.93965	310.70989	286.27057	7.35710	0.1398011	0.23365921	2.6106428	20	—	—
398880 2013 CW_{76}	16.9	X	349.06694	241.87786	141.82803	6.49407	0.0611029	0.22406089	2.6846768	20	11 18.4	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398881 2013 CT_{81}	17.2	X	1.24866	168.80056	209.21385	6.13795	0.0588541	0.22393137	2.6857119	20	11 26.8	20.7
398882 2013 CU_{81}	16.5	X	50.66776	65.44975	188.65785	9.72568	0.0544187	0.19145928	2.9813875	20	8 16.2	20.7
398883 2013 CQ_{84}	16.0	X	165.50947	312.34163	156.40085	11.55912	0.0400561	0.17706775	3.1408202	20	7 2.1	20.7
398884 2013 CJ_{85}	17.8	X	288.47429	171.34133	117.74173	3.87457	0.1652788	0.30112523	2.2044722	20	3 19.1	20.5
398885 2013 CV_{86}	16.8	X	61.57129	359.91990	223.54664	7.21225	0.1050016	0.18208386	3.0828691	20	7 28.6	21.2
398886 2013 CA_{91}	16.2	X	126.82176	91.99835	33.78477	12.03709	0.1089069	0.18065043	3.0991556	20	6 13.6	21.0
398887 2013 CP_{91}	16.8	X	266.44339	312.33623	134.69068	4.92629	0.0279076	0.21598430	2.7511943	20	10 15.1	20.5
398888 2013 CD_{94}	17.1	X	321.06719	287.88610	148.07600	8.17868	0.0862096	0.23313138	2.6145817	20	12 17.5	20.2
398889 2013 CW_{95}	17.3	X	285.41992	129.96301	305.83217	1.91524	0.1387716	0.22164823	2.7041236	20	10 10.1	20.3
398890 2013 CU_{99}	16.8	X	46.31447	41.55964	275.75873	3.25963	0.0642502	0.21411590	2.7671760	20	11 6.7	20.6
398891 2013 CR_{102}	16.6	X	239.22307	52.84989	57.18074	4.53989	0.0543518	0.21361673	2.7714850	20	10 4.7	20.4
398892 2013 CV_{103}	16.4	X	126.82973	107.44983	355.85951	8.30394	0.0652221	0.16901495	3.2398082	20	5 11.0	21.2
398893 2013 CT_{110}	16.1	X	28.94609	129.95170	128.37659	15.22381	0.2161980	0.17814495	3.1281461	20	8 14.4	19.7
398894 2013 CO_{116}	16.0	X	129.74917	356.73296	111.86584	6.34384	0.1168574	0.16901713	3.2397803	20	5 29.6	21.0
398895 2013 CQ_{116}	15.6	X	164.95247	85.27047	356.30788	11.87841	0.0325529	0.17054894	3.2203521	20	5 24.9	20.5
398896 2013 CG_{117}	16.5	X	207.24187	341.14432	103.71055	6.21355	0.0933414	0.18859297	3.0115198	20	7 17.9	21.1
398897 2013 CL_{121}	16.2	X	84.06439	82.44397	96.48784	17.74931	0.1601990	0.17833465	3.1259274	20	7 10.1	20.7
398898 2013 CO_{121}	16.7	X	289.14120	117.72825	312.01831	3.27794	0.0510408	0.21577470	2.7529757	20	10 16.7	20.4
398899 2013 CA_{124}	17.1	X	12.58658	259.78448	146.39623	12.91664	0.1678558	0.24147211	2.5540226	20	—	—
398900 2013 CN_{124}	17.5	X	228.86495	199.02181	27.90845	4.05946	0.1417388	0.25100310	2.4889528	20	—	—
398901 2013 CL_{127}	15.8	X	275.74900	312.89020	72.31928	10.19261	0.0668833	0.18768827	3.0211895	20	7 29.1	20.1
398902 2013 CM_{130}	16.6	X	128.29121	323.61370	164.89352	4.76809	0.0859108	0.17392836	3.1785017	20	6 18.0	21.4
398903 2013 CJ_{131}	16.6	X	175.86604	307.80985	161.78599	9.27106	0.1829592	0.18921534	3.0049124	20	7 14.0	21.7
398904 2013 CN_{132}	15.7	X	302.27648	34.49963	309.78742	10.43205	0.1513743	0.18101264	3.0950199	20	6 28.7	19.8
398905 2013 CZ_{134}	16.2	X	227.75269	244.63271	145.54530	9.53573	0.0908791	0.17530619	3.1618253	20	6 3.1	21.1
398906 2013 CL_{137}	15.6	X	1.84551	177.72680	105.42733	6.06007	0.1118160	0.17601734	3.1533033	20	7 18.9	19.5
398907 2013 CE_{138}	17.1	X	207.57706	296.38438	348.77331	5.03313	0.1281315	0.26492661	2.4009641	20	—	—
398908 2013 CK_{143}	16.8	X	305.39930	231.91313	181.17562	3.13192	0.0884650	0.21635290	2.7480686	20	10 17.7	20.2
398909 2013 CB_{144}	16.2	X	41.45032	129.79096	134.95179	10.75916	0.1673786	0.19238248	2.9718419	20	9 7.9	20.0
398910 2013 CO_{145}	16.0	X	10.19451	158.11083	140.02380	12.84300	0.0694471	0.19107317	2.9854026	20	8 21.1	19.7
398911 2013 CW_{148}	16.8	X	104.70990	49.32324	121.52855	3.92276	0.0400891	0.17856500	3.1232386	20	7 8.5	21.3
398912 2013 CN_{150}	17.0	X	138.32396	162.49052	140.57643	4.99597	0.2532210	0.23293897	2.6160213	20	—	—
398913 2013 CY_{155}	16.2	X	113.42040	334.92545	150.36834	4.82454	0.0634213	0.16693133	3.2667117	20	5 26.4	21.0
398914 2013 CK_{156}	16.1	X	35.23360	84.84940	145.57561	9.87706	0.0341463	0.17400618	3.1775540	20	6 23.9	20.5
398915 2013 CX_{156}	16.8	X	283.85429	325.04700	125.59744	3.22911	0.0790229	0.22171497	2.7035809	20	11 6.8	20.2
398916 2013 CY_{156}	17.1	X	306.38703	297.53427	100.57471	5.46141	0.0753590	0.20915295	2.8107791	20	10 1.2	20.6
398917 2013 CZ_{156}	15.8	X	351.76123	269.41150	20.43104	7.25974	0.1474612	0.17707376	3.1407491	20	7 11.9	19.4
398918 2013 CD_{157}	16.4	X	239.28010	273.76064	139.73999	16.01100	0.0963537	0.18963348	3.0004936	20	7 13.3	20.9
398919 2013 CW_{165}	15.9	X	255.20355	218.73600	152.96573	10.51128	0.0370347	0.17637695	3.1490158	20	6 17.5	20.5
398920 2013 CP_{168}	15.8	X	155.37657	93.43227	12.83545	9.36044	0.0565433	0.17545645	3.1600200	20	6 17.5	20.7
398921 2013 CL_{171}	17.2	X	298.12541	259.51692	165.86064	11.69539	0.0717603	0.21596121	2.7513904	20	10 26.9	20.7
398922 2013 CO_{173}	16.8	X	350.48883	219.80417	159.76764	5.84017	0.0778634	0.21686877	2.7437089	20	11 14.3	20.2
398923 2013 CY_{174}	15.9	X	4.87716	296.13266	343.20610	4.29814	0.1135567	0.17646627	3.1479531	20	7 19.8	19.8
398924 2013 CB_{175}	16.9	X	17.80927	198.72319	174.92515	5.36866	0.0821768	0.22345010	2.6895668	20	12 16.8	20.5
398925 2013 CP_{176}	17.3	X	185.22521	9.63334	225.64631	2.44937	0.1482357	0.22839463	2.6506077	20	12 27.9	21.2
398926 2013 CY_{177}	16.8	X	59.22715	196.40048	159.40756	10.46211	0.0343170	0.23652676	2.5894997	20	—	—
398927 2013 CQ_{178}	15.9	X	72.48973	48.07510	132.45556	28.09580	0.1635518	0.17147037	3.2088050	20	6 30.9	20.7
398928 2013 CE_{179}	16.1	X	154.49447	2.84732	136.35806	11.54841	0.0556566	0.18975635	2.9991983	20	7 28.9	20.6
398929 2013 CT_{181}	15.8	X	103.83583	117.41516	31.25982	16.13013	0.1425622	0.17588189	3.1549220	20	6 20.9	20.8
398930 2013 CS_{185}	17.9	X	298.99844	63.96402	187.19743	1.99705	0.0542339	0.28383482	2.2931137	20	2 26.0	20.6
398931 2013 CP_{188}	16.3	X	154.69760	243.96636	358.89284	11.26299	0.1518454	0.22291062	2.6939046	20	12 5.8	20.9
398932 2013 CH_{189}	15.2	X	145.38611	284.93351	176.65187	26.12692	0.1928570	0.17370191	3.1812636	20	6 10.6	20.9
398933 2013 CE_{190}	16.5	X	170.14833	220.78891	225.95309	4.04711	0.1126361	0.17970116	3.1100602	20	6 11.3	21.3
398934 2013 CT_{190}	17.3	X	291.84789	175.26073	253.66014	3.95688	0.0992223	0.22010471	2.7167510	20	10 15.3	20.6
398935 2013 CJ_{192}	16.4	X	103.50908	20.72359	106.72973	6.30266	0.1465459	0.17087514	3.2162524	20	5 27.9	21.2
398936 2013 CL_{193}	16.0	X	131.18165	281.70721	229.12898	9.35406	0.0803361	0.18483825	3.0521660	20	7 16.7	20.7
398937 2013 CP_{193}	16.1	X	126.55435	350.96115	165.66223	17.14692	0.0219782	0.18371458	3.0645988	20	7 14.4	20.7
398938 2013 CQ_{194}	17.4	X	298.19118	355.38051	86.34369	3.19468	0.0603870	0.22586932	2.6703277	20	11 18.3	20.5
398939 2013 CA_{197}	17.5	X	69.80727	291.09070	92.92027	2.46273	0.1917505	0.25802574	2.4435845	20	—	—
398940 2013 CM_{197}	17.3	X	229.68116	23.04271	232.93779	1.43164	0.1861725	0.26070540	2.4268114	20	—	—
398941 2013 CU_{197}	17.0	X	128.91407	3.52112	168.92101	10.34419	0.0461085	0.19160489	2.9798769	20	8 8.9	21.5
398942 2013 CQ_{200}	16.9	X	99.17384	268.99717	36.73552	6.47935	0.1037716	0.23066317	2.6332002	20	12 31.8	20.9
398943 2013 CD_{201}	17.2	X	340.11586	335.88239	25.91129	3.22265	0.0386073	0.21014821	2.8018976	20	10 1.9	20.7
398944 2013 CE_{206}	16.7	X	4.23386	206.51896	153.80073	4.08365	0.1572613	0.22858287	2.6491523	20	11 22.0	19.6
398945 2013 CY_{211}	17.6	X	154.37619	216.11508	104.83164	5.95311	0.0803339	0.26442907	2.4039749	20	—	—
398946 2013 CS_{213}	16.7	X	83.79606	14.82951	217.81126	1.29790	0.0612171	0.19773071	2.9180091	20	9 4.1	20.8
398947 2013 DS_{2}	17.2	X	11.11179	245.26932	99.92308	1.92183	0.0821147	0.21501725	2.7594372	20	10 29.8	20.5
398948 2013 DK_{5}	15.6	X	239.23104	38.23262	329.07850	12.77048	0.0267014	0.17223383	3.1993155	20	5 20.2	20.5
398949 2013 DZ_{5}	15.8	X	61.49513	90.18032	140.47152	13.28211	0.0358496	0.18066334	3.0990079	20	7 29.3	20.2
398950 2013 DJ_{6}	16.0	X	202.75454	291.97590	133.44589	10.27707	0.0622774	0.17487847	3.1669788	20	6 20.5	20.8
398951 2013 DK_{7}	16.3	X	327.46889	204.35833	134.66231	10.83053	0.0956673	0.18661023	3.0328138	20	8 7.5	20.1
398952 2013 DT_{10}	16.8	X	303.42490	49.50526	325.80442	5.42237	0.0704906	0.20065876	2.8895528	20	8 22.8	20.4
398953 2013 DJ_{13}	17.4	X	67.04383	155.10273	241.96151	4.28455	0.1959623	0.26088683	2.4256862	20	—	—
398954 2013 DL_{13}	15.9	X	171.72996	335.57506	283.88508	11.33339	0.1500423	0.23551944	2.5968780	20	—	—
398955 2013 DW_{15}	16.1	X	55.78843	34.50778	209.88005	8.15189	0.0350454	0.18995494	2.9971075	20	8 6.9	20.4
398956 2013 ET_{1}	16.7	X	328.94699	262.59671	135.02991	5.30426	0.1154279	0.21793436	2.7347580	20	11 6.1	19.8
398957 2013 EW_{2}	17.1	X	222.75031	355.73420	126.74180	3.87805	0.0962890	0.21271030	2.7793530	20	9 24.5	21.1
398958 2013 EL_{3}	16.7	X	91.11698	345.68399	293.97738	3.36660	0.0826310	0.21772161	2.7365393	20	11 16.1	20.8
398959 2013 EX_{6}	16.4	X	2.57094	110.55713	182.39770	4.91042	0.1193556	0.18139370	3.0906839	20	8 1.9	20.1
398960 2013 EQ_{7}	15.9	X	132.41423	324.66451	168.85916	13.27533	0.0897699	0.17653057	3.1471886	20	6 28.7	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
398961 2013 EM_{10}	15.8	X	354.19249	199.73806	115.18922	11.81194	0.2083071	0.17832918	3.1259914	20	8 24.6	19.0
398962 2013 EP_{12}	17.1	X	182.24985	130.88297	103.33478	2.68377	0.1471387	0.22531328	2.6747192	20	12 23.4	21.2
398963 2013 EF_{13}	16.4	X	252.12777	13.61932	23.39362	2.04337	0.0975070	0.18726069	3.0257867	20	7 7.7	20.8
398964 2013 EX_{13}	16.7	X	39.95702	350.31818	320.00957	1.22286	0.0820784	0.20603004	2.8391109	20	10 21.8	20.4
398965 2013 ED_{14}	16.6	X	176.57608	324.23570	158.40741	9.48095	0.0684561	0.19025223	2.9939844	20	8 1.2	21.1
398966 2013 ES_{14}	16.4	X	189.12988	299.28946	155.55694	4.79137	0.0255507	0.18240655	3.0792322	20	7 12.7	20.8
398967 2013 EJ_{21}	16.5	X	352.69817	94.76215	206.64546	8.99177	0.0741849	0.18662017	3.0327061	20	7 25.8	20.5
398968 2013 EU_{29}	16.1	X	332.97193	256.28168	168.44536	21.87876	0.0768210	0.22635344	2.6665188	20	12 19.4	19.9
398969 2013 EE_{34}	16.2	X	259.42971	114.76475	19.95373	28.63657	0.1434982	0.22648115	2.6655163	20	11 8.9	19.9
398970 2013 EY_{35}	17.3	X	111.35760	250.49485	156.25053	7.08565	0.1082321	0.28044388	2.3115613	20	2 7.8	20.1
398971 2013 EE_{42}	16.0	X	303.94155	10.89225	304.77188	2.61174	0.0324312	0.16901437	3.2398156	20	6 8.4	20.5
398972 2013 EF_{49}	15.8	X	285.03526	274.85225	309.95294	1.80575	0.1089827	0.12402939	3.9821686	20	1 22.3	21.3
398973 2013 EJ_{50}	17.4	X	283.73211	6.79761	310.88599	1.38123	0.1852182	0.29347915	2.2425969	20	4 16.9	20.2
398974 2013 EM_{50}	16.8	X	271.46015	238.13867	174.72100	12.09777	0.0468977	0.19532540	2.9419157	20	8 28.7	21.0
398975 2013 EE_{54}	16.3	X	354.39205	162.15856	137.74794	1.68829	0.1328789	0.17826976	3.1266859	20	7 29.3	20.0
398976 2013 EY_{57}	16.3	X	301.10667	228.25362	159.44537	9.54705	0.0880745	0.19821490	2.9132551	20	9 2.9	19.9
398977 2013 EC_{60}	16.0	X	6.99835	113.73806	166.81546	9.64706	0.0926800	0.17589911	3.1547162	20	7 21.4	20.0
398978 2013 EE_{66}	15.8	X	48.25282	311.04889	272.76265	10.68581	0.0756661	0.17807454	3.1289707	20	7 7.7	20.0
398979 2013 EF_{66}	16.1	X	114.60266	288.34172	193.66531	13.59285	0.0863851	0.17005572	3.2265759	20	5 26.7	21.0
398980 2013 EM_{72}	17.4	X	39.93823	264.42668	126.89287	4.37716	0.1819012	0.24222117	2.5487544	20	—	—
398981 2013 EH_{79}	15.9	X	320.40529	162.78382	156.05440	9.80530	0.0934606	0.17450811	3.1714581	20	6 29.1	20.2
398982 2013 EC_{80}	15.4	X	321.57149	124.36015	58.89194	3.64687	0.1259073	0.12551454	3.9506937	20	1 16.3	20.6
398983 2013 EU_{81}	15.8	X	145.98609	298.50335	172.11022	26.31786	0.1188894	0.17191205	3.2033065	20	6 18.0	21.3
398984 2013 EA_{82}	16.2	X	223.79001	247.29654	166.25880	10.02280	0.0663112	0.17729633	3.1381200	20	6 28.3	21.0
398985 2013 EK_{88}	17.8	X	341.90051	211.47430	272.70776	1.62531	0.1518998	0.25465686	2.4650882	20	—	—
398986 2013 EB_{90}	15.3	X	101.30394	282.73299	274.61822	15.54350	0.2195603	0.17902461	3.1178907	20	8 19.9	20.5
398987 2013 ES_{92}	16.2	X	173.83285	325.21783	275.37330	11.87102	0.1413653	0.22508921	2.6764939	20	12 23.5	20.4
398988 2013 EF_{99}	16.2	X	300.18141	190.36826	171.83070	10.50294	0.1700469	0.18264204	3.0765848	20	7 14.4	20.2
398989 2013 EA_{101}	15.5	X	122.00005	57.29156	125.79337	12.19730	0.0375234	0.18579488	3.0416803	20	8 15.7	19.9
398990 2013 EL_{107}	16.0	X	263.01214	286.82811	126.50527	5.27214	0.1206560	0.19135963	2.9824225	20	8 8.4	20.2
398991 2013 ET_{109}	15.5	X	22.26361	151.75415	105.59178	12.65558	0.0843610	0.17852726	3.1236787	20	7 15.5	19.4
398992 2013 EJ_{111}	15.9	X	303.35022	217.24764	129.83795	6.62966	0.1552190	0.17227831	3.1987649	20	7 1.9	19.9
398993 2013 EB_{112}	16.7	X	148.75923	317.37438	176.22241	9.10402	0.1357876	0.18245834	3.0786494	20	7 17.4	21.8
398994 2013 EM_{112}	15.3	X	1.60677	190.53037	103.12028	11.98209	0.0128456	0.18110202	3.0940015	20	7 30.3	19.5
398995 2013 EN_{120}	15.8	X	52.64584	286.99947	5.26789	10.90733	0.0763016	0.19326285	2.9628100	20	10 11.2	19.8
398996 2013 EM_{121}	16.2	X	326.29946	163.58430	188.90295	10.78262	0.1309966	0.18667271	3.0321371	20	8 18.7	20.0
398997 2013 EQ_{128}	15.7	X	125.63543	27.41652	85.74391	28.33172	0.1653394	0.17129710	3.2109685	20	6 5.8	20.8
398998 2013 EB_{147}	16.8	X	331.48213	281.58295	29.33443	6.49319	0.1414388	0.17882843	3.1201706	20	7 3.1	20.5
398999 2013 FS_{1}	15.8	X	291.98599	273.41550	101.07773	12.50103	0.1035084	0.18970395	2.9997504	20	7 31.6	19.7
399000 2013 FV_{14}	15.9	X	76.03602	169.32766	119.99336	14.01468	0.0986846	0.19962286	2.8995406	20	11 15.4	20.4
399001 2013 FE_{19}	17.1	X	216.21347	33.38515	173.49448	2.36844	0.0831625	0.22600638	2.6692479	20	—	—
399002 2013 FC_{23}	16.5	X	60.09664	351.43482	0.60828	9.91341	0.0616807	0.22125835	2.7072993	20	—	—
399003 2013 FM_{26}	16.8	X	312.81311	95.78354	116.55151	7.50380	0.0692684	0.27216823	2.3581844	20	1 23.1	19.5
399004 2013 GW_{3}	16.1	X	258.86840	200.57746	181.75942	9.59742	0.0455036	0.17494747	3.1661460	20	7 2.9	20.7
399005 2013 GZ_{8}	16.0	X	308.69218	169.10232	181.24573	14.15930	0.0554032	0.18027434	3.1034644	20	7 25.4	20.4
399006 2013 GX_{9}	15.5	X	178.59672	295.29391	177.03439	17.86273	0.0922198	0.18010665	3.1053905	20	7 19.3	20.6
399007 2013 GV_{10}	15.2	X	349.08900	286.17715	24.05320	9.82278	0.1062343	0.17116393	3.2126338	20	8 6.4	19.3
399008 2013 GH_{11}	15.8	X	110.10360	136.03518	36.76317	8.13700	0.0954567	0.17277267	3.1926601	20	7 26.3	20.6
399009 2013 GT_{12}	16.3	X	148.26848	117.92461	123.62011	14.24274	0.0795345	0.21091797	2.7950763	20	12 2.4	20.7
399010 2013 GJ_{16}	15.9	X	258.91265	11.22692	35.72130	9.24202	0.0833643	0.18913174	3.0057979	20	8 3.4	20.2
399011 2013 GF_{19}	15.6	X	353.67518	174.63546	138.98641	12.48747	0.1134698	0.18072757	3.0982737	20	8 16.2	19.3
399012 2013 GM_{22}	16.7	X	96.92969	117.48907	195.67617	2.23054	0.0989148	0.21423182	2.7661777	20	—	—
399013 2013 GE_{27}	15.8	X	85.77110	172.78760	42.56903	11.00503	0.0645598	0.17763082	3.1341792	20	8 19.6	20.5
399014 2013 GU_{27}	16.3	X	118.06473	173.84324	142.22831	15.18045	0.1465457	0.22687511	2.6624297	20	—	—
399015 2013 GA_{33}	16.9	X	355.86724	254.38059	214.26818	8.26519	0.0722903	0.24257944	2.5462442	20	—	—
399016 2013 GM_{35}	15.0	X	43.41684	170.10080	85.16073	19.60318	0.1086158	0.17119065	3.2122994	20	8 21.9	19.6
399017 2013 GH_{38}	16.2	X	6.28888	298.96820	29.29403	12.14397	0.0289827	0.18955510	3.0013206	20	9 24.4	20.3
399018 2013 GO_{48}	16.4	X	112.98060	194.92078	114.72927	4.77795	0.1207693	0.21910249	2.7250293	20	—	—
399019 2013 GT_{55}	17.0	X	26.92188	37.82260	59.98721	7.10434	0.0930311	0.25426012	2.4676518	20	—	—
399020 2013 GZ_{55}	16.0	X	11.88689	281.56343	14.34042	10.62271	0.1773957	0.17450850	3.1714533	20	9 1.3	19.7
399021 2013 GH_{59}	16.9	X	240.31638	98.54466	187.13038	4.85467	0.0981372	0.26007803	2.4307126	20	1 28.9	20.5
399022 2013 GT_{71}	16.7	X	32.04828	278.73265	9.89979	0.48180	0.1599254	0.17446213	3.1720153	20	9 18.9	20.5
399023 2013 GB_{83}	16.6	X	117.31108	84.61823	202.45927	3.81886	0.0397643	0.21182991	2.7870485	20	12 20.7	20.6
399024 2013 GG_{85}	16.2	X	65.98208	184.20572	131.89767	13.55471	0.1681205	0.19740345	2.9212332	20	12 11.5	20.8
399025 2013 GV_{91}	15.8	X	93.96717	351.46842	210.48942	9.78219	0.1669344	0.17315366	3.1879752	20	8 16.2	20.8
399026 2013 GD_{92}	15.6	X	92.18901	320.73808	246.76432	13.91385	0.2066226	0.17398098	3.1778608	20	8 22.4	20.8
399027 2013 GG_{119}	16.2	X	183.10115	309.03113	187.88053	11.53367	0.0308703	0.18005990	3.1059280	20	8 25.7	20.8
399028 2013 GX_{125}	16.0	X	33.69766	141.31539	176.30534	12.59420	0.0399863	0.18876873	3.0096502	20	10 16.3	20.1
399029 2013 GT_{134}	15.9	X	11.19303	168.22465	135.36337	6.87608	0.1670362	0.17162674	3.2068557	20	9 6.1	19.6
399030 2013 HK_{4}	16.2	X	98.46574	285.74662	72.17440	10.79464	0.0428624	0.23926575	2.5696996	20	—	—
399031 2013 HM_{13}	16.6	X	165.91847	140.55858	163.39893	17.80951	0.2208479	0.23523044	2.5990046	20	—	—
399032 2013 HK_{18}	16.5	X	38.55530	232.62674	64.08817	1.04353	0.1614363	0.18008228	3.1056706	20	10 10.3	20.4
399033 2013 HT_{22}	16.4	X	257.26721	277.05892	316.96628	9.96193	0.1551321	0.24334319	2.5409137	20	—	—
399034 2013 HM_{23}	15.4	X	169.17227	267.92574	224.41388	25.08821	0.1591359	0.17667685	3.1454512	20	7 27.8	21.1
399035 2013 HZ_{23}	15.6	X	322.14532	317.87590	40.06868	10.81807	0.0191301	0.17678697	3.1441449	20	9 2.8	20.1
399036 2013 HM_{34}	16.8	X	88.62402	99.03430	292.36743	5.18938	0.0810604	0.24425135	2.5346115	20	—	—
399037 2013 HJ_{50}	16.3	X	223.38889	98.86310	2.01129	7.69161	0.0701665	0.18497355	3.0506775	20	8 29.0	20.7
399038 2013 HT_{53}	16.3	X	22.76154	80.13313	230.93224	8.70220	0.2225109	0.17919729	3.1158874	20	10 11.7	20.0
399039 2013 HB_{65}	16.1	X	18.91201	74.04186	225.63856	9.83416	0.1185145	0.17658025	3.1465983	20	9 3.6	20.2
399040 2013 HN_{126}	16.5	X	22.75267	44.19042	251.85280	8.61918	0.0842947	0.17746203	3.1361663	20	8 31.6	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
399041 2013 JA_4	15.7	X	138.53947	350.36133	198.71949	17.19069	0.1738389	0.18229418	3.0804974	20	9 13.6	20.9
399042 2013 JL_5	15.7	X	36.54890	201.91454	87.30626	13.87190	0.1201252	0.18566896	3.0430553	20	9 30.4	20.0
399043 2013 JZ_{17}	18.3	X	48.91632	230.21804	210.24079	21.83390	0.0823041	0.38026251	1.8868920	20	—	—
399044 2013 JF_{33}	15.0	X	41.73056	152.18216	122.67325	15.66861	0.2602112	0.17614849	3.1517379	20	10 7.7	19.4
399045 2013 JJ_{45}	16.1	X	166.04232	189.89160	105.72403	15.45551	0.1352575	0.21928201	2.7235418	20	—	—
399046 2013 JU_{61}	15.9	X	28.49913	113.73888	214.44250	9.15296	0.0704814	0.18213399	3.0823034	20	10 23.1	20.0
399047 2013 KZ_3	15.9	X	18.24739	84.96191	219.26694	11.94923	0.0659968	0.17011850	3.2257820	20	9 1.8	20.4
399048 2013 KB_4	16.6	X	165.91827	46.74140	198.52720	9.12216	0.0571038	0.21954845	2.7213379	20	12 24.8	20.7
399049 2013 KS_{17}	16.0	X	35.72895	127.22889	176.63649	19.91431	0.1743361	0.17164349	3.2066470	20	10 17.9	20.3
399050 2013 LF	17.2	X	232.37551	159.26412	88.43761	3.75962	0.1627289	0.23548776	2.5971109	20	—	—
399051 2013 LA_{28}	16.5	X	76.25142	260.79465	172.68701	14.03367	0.0345575	0.24408502	2.5357628	20	1 19.7	20.0
399052 2013 LV_{34}	15.3	X	56.21322	152.60050	147.54249	11.92864	0.0566764	0.17851100	3.1238684	20	10 25.8	19.8
399053 2013 PD_{54}	16.6	X	79.53269	34.48393	343.27852	8.53966	0.0670950	0.18966888	3.0001202	20	—	—
399054 2013 QP_{59}	17.2	X	135.83903	29.37746	11.41714	3.28670	0.1878823	0.21955758	2.7212624	20	3 17.7	21.4
399055 2013 TL_{45}	17.1	X	279.02147	52.06290	245.31716	1.07560	0.1086261	0.23396401	2.6083749	20	3 29.9	20.7
399056 2013 WN_{69}	16.9	X	183.66321	13.27976	31.03275	3.49047	0.0792486	0.22615991	2.6680398	20	5 1.8	20.7
399057 2013 YX_{15}	16.0	X	249.65577	269.42084	108.36887	17.59465	0.2100053	0.22757455	2.6569717	20	5 31.6	20.3
399058 2013 YH_{19}	16.9	X	40.28928	230.61032	312.35452	3.55497	0.0548139	0.21253566	2.7808753	20	4 29.1	20.5
399059 2013 YF_{28}	17.7	X	230.34716	152.52114	339.67290	0.65410	0.1258689	0.26033437	2.4291167	20	10 17.8	21.0
399060 2013 YV_{29}	17.0	X	137.38746	272.63903	268.96367	3.74229	0.2410111	0.23109421	2.6299249	20	9 10.6	21.6
399061 2013 YF_{31}	16.4	X	200.97165	224.52413	235.46653	8.87790	0.0973117	0.23388291	2.6089779	20	7 29.7	20.5
399062 2013 YW_{80}	16.5	X	206.26443	349.22154	103.66054	12.67169	0.1375711	0.23635550	2.5907504	20	7 27.3	20.5
399063 2013 YA_{85}	17.0	X	184.76684	64.48685	71.84496	6.16608	0.1825402	0.23904679	2.5712685	20	8 30.9	21.2
399064 2013 YQ_{139}	16.4	X	135.83574	183.03066	304.79440	6.95613	0.1502723	0.21549349	2.7553701	20	7 1.6	20.7
399065 2014 BQ_2	16.5	X	207.84965	139.15718	308.07804	9.46819	0.0682571	0.23040903	2.6351361	20	7 26.3	20.2
399066 2014 BK_{23}	16.1	X	170.05892	126.81418	332.99515	10.87059	0.1637239	0.22168667	2.7038110	20	6 30.1	20.6
399067 2014 BG_{37}	18.1	X	313.02807	4.73611	143.15190	6.30218	0.1633315	0.29173035	2.2515502	20	—	—
399068 2014 BQ_{46}	17.1	X	206.54339	78.51271	136.25907	6.59559	0.1066949	0.27081969	2.3660062	20	—	—
399069 2014 BL_{59}	17.0	X	309.55811	205.82312	144.71219	1.66373	0.0383365	0.22425332	2.6831408	20	8 4.1	20.4
399070 2014 CW_{11}	16.7	X	174.87778	325.76195	131.33871	10.28289	0.0746787	0.21339274	2.7734241	20	6 29.8	21.0
399071 2014 CX_{19}	16.3	X	207.64604	286.48584	161.39358	15.41236	0.0630461	0.22925806	2.6439484	20	7 25.4	20.3
399072 2014 CZ_{20}	16.3	X	146.10403	100.94633	33.50494	9.36524	0.1717254	0.21609867	2.7502235	20	7 22.9	20.9
399073 2014 CX_{21}	17.3	X	188.62780	274.67509	299.42683	1.16884	0.1404046	0.26209068	2.4182526	20	12 13.3	20.8
399074 2014 CX_{22}	16.3	X	168.40588	22.55824	142.12485	15.91518	0.1373937	0.23243910	2.6197706	20	9 21.7	20.5
399075 2014 CJ_{23}	15.4	X	94.84225	2.18706	132.18710	16.84107	0.0376846	0.18765642	3.0215313	20	5 15.9	20.0
399076 2014 DC_5	16.6	X	185.01168	130.49579	11.46701	5.98282	0.0618355	0.22789888	2.6544503	20	9 11.0	20.3
399077 2014 DB_9	17.2	X	216.94146	18.94714	147.67796	5.80966	0.1354999	0.25672544	2.4518286	20	11 15.9	20.7
399078 2014 DS_{12}	15.4	X	289.99894	221.71464	63.19478	11.10166	0.1452672	0.17740113	3.1368840	20	4 1.7	19.9
399079 2014 DV_{12}	15.9	X	184.15648	275.14038	92.38514	9.56342	0.0170312	0.17307229	3.1889743	20	3 24.9	20.6
399080 2014 DO_{13}	16.1	X	33.30902	89.45577	100.18934	8.47408	0.1311396	0.18244211	3.0788320	20	5 10.5	19.9
399081 2014 DQ_{13}	17.3	X	289.20794	144.75293	21.36838	10.18334	0.0903084	0.28687494	2.2768843	20	—	—
399082 2014 DZ_{13}	15.7	X	61.32089	51.36530	93.64044	12.64450	0.1524176	0.17979722	3.1089523	20	5 1.3	19.9
399083 2014 DM_{14}	16.5	X	135.36475	110.41661	94.59008	11.88904	0.1678899	0.23054220	2.6341212	20	10 13.5	21.0
399084 2014 DS_{14}	16.8	X	154.04876	76.96646	73.40626	5.88736	0.1279899	0.22215643	2.6999981	20	8 18.6	21.1
399085 2014 DU_{14}	15.6	X	330.06469	123.21489	123.09540	16.88888	0.1872681	0.17244493	3.1967041	20	4 5.8	19.8
399086 2014 DZ_{14}	16.1	X	59.35179	246.98049	34.76451	14.78829	0.1004888	0.23046475	2.6347113	20	10 19.6	19.5
399087 2014 DE_{20}	17.2	X	243.57436	321.39533	156.14220	4.61257	0.0323451	0.24101520	2.5572495	20	10 28.2	20.5
399088 2014 DC_{21}	17.3	X	140.20679	223.41698	43.84002	1.85092	0.1524344	0.25697470	2.4502429	20	12 30.0	21.1
399089 2014 DT_{28}	16.6	X	114.61830	189.92815	8.64339	12.61630	0.0849143	0.21933605	2.7230944	20	9 6.5	20.7
399090 2014 DU_{31}	16.7	X	186.12186	118.07345	101.94889	6.88514	0.0857074	0.25391813	2.4698670	20	12 22.1	20.1
399091 2014 DG_{32}	13.8	X	340.71294	263.88755	102.57680	6.19417	0.0596143	0.08301783	5.2042136	20	9 20.5	20.4
399092 2014 DA_{33}	15.8	X	328.77706	169.36691	88.42875	5.73949	0.0929891	0.18184407	3.0855786	20	4 24.6	19.7
399093 2014 DL_{34}	17.5	X	124.18638	99.14165	137.87511	6.54164	0.2689861	0.23320306	2.6140460	20	11 10.5	22.2
399094 2014 DD_{35}	16.3	X	209.76167	287.03850	150.88761	13.75405	0.1398456	0.21938167	2.7227170	20	7 9.2	20.8
399095 2014 DR_{37}	16.6	X	60.37319	90.58510	144.07706	9.67251	0.1037632	0.21167318	2.7884241	20	8 15.8	20.3
399096 2014 DZ_{37}	16.9	X	81.14813	27.00286	156.45645	17.57923	0.0716044	0.20157040	2.8808338	20	6 30.9	21.2
399097 2014 DS_{38}	16.6	X	108.58988	70.67973	153.66746	13.60471	0.1174167	0.22953432	2.6418265	20	10 6.2	20.7
399098 2014 DY_{41}	16.9	X	236.83963	340.03445	114.33440	7.54482	0.1778768	0.23949001	2.5680952	20	8 28.7	20.7
399099 2014 DR_{46}	17.7	X	259.65922	321.53297	249.75218	1.98466	0.1145490	0.28498705	2.2869287	20	—	—
399100 2014 DF_{47}	16.4	X	83.53028	164.40548	344.79275	8.53956	0.0739134	0.18368039	3.0649792	20	5 17.2	20.8
399101 2014 DJ_{48}	18.3	X	309.72866	218.43519	20.54696	0.91658	0.1742453	0.31448525	2.1415877	20	2 1.3	20.5
399102 2014 DG_{53}	18.0	X	244.61653	102.90408	148.88307	2.56964	0.1624843	0.29235046	2.2483653	20	—	—
399103 2014 DC_{56}	16.4	X	97.73073	56.97482	67.88547	2.45465	0.1361816	0.18347067	3.0673143	20	5 15.8	20.8
399104 2014 DE_{58}	16.3	X	346.18241	230.71500	14.49245	14.40784	0.1361977	0.17786807	3.1313916	20	4 26.2	20.1
399105 2014 DM_{61}	16.8	X	43.27356	236.76771	87.32508	4.57364	0.0772113	0.24009445	2.5637832	20	11 20.7	20.1
399106 2014 DU_{62}	18.0	X	245.58915	96.76500	62.96942	2.30227	0.1356890	0.26097048	2.4251678	20	12 13.6	20.8
399107 2014 DU_{72}	16.7	X	192.27190	145.43678	84.48301	6.08220	0.1712562	0.25920914	2.4361415	20	—	—
399108 2014 DH_{75}	17.2	X	202.04892	127.77450	110.59585	6.50115	0.0795661	0.26882448	2.3776988	20	—	—
399109 2014 DY_{75}	16.2	X	324.47070	263.82193	1.96189	11.31342	0.1005636	0.17803881	3.1293893	20	4 21.9	20.3
399110 2014 DF_{76}	17.0	X	99.85663	52.28804	172.70450	12.36292	0.1700710	0.21820020	2.7325364	20	9 28.9	21.2
399111 2014 DR_{79}	16.8	X	28.42649	155.80847	128.91916	3.94391	0.1408799	0.21150656	2.7898883	20	9 12.9	20.1
399112 2014 DP_{85}	17.7	X	224.05858	243.48302	318.63705	1.27622	0.1588813	0.26583827	2.3954717	20	—	—
399113 2014 DT_{85}	16.5	X	313.00133	171.26646	164.47788	5.14275	0.0129900	0.21215583	2.7841934	20	7 20.5	20.2
399114 2014 DD_{97}	18.3	X	353.06399	357.63978	163.93786	2.79151	0.0377006	0.30884376	2.1675885	20	1 7.4	20.6
399115 2014 DU_{97}	15.6	X	351.10200	65.15612	164.81418	14.61115	0.2172594	0.17296992	3.1902324	20	4 16.3	19.1
399116 2014 DT_{103}	17.2	X	153.42011	156.52353	139.13369	2.97600	0.1963405	0.27414715	2.3468224	20	—	—
399117 2014 DU_{113}	15.3	X	282.75553	116.89782	132.08519	9.45901	0.1380791	0.15792381	3.3897758	20	2 8.5	20.3
399118 2014 DV_{115}	18.0	X	204.40794	163.02468	76.96056	3.22318	0.1398476	0.27181911	2.3602032	20	—	—
399119 2014 DE_{122}	16.9	X	124.58205	303.32705	257.26364	2.30891	0.1897770	0.22298156	2.6933332	20	9 21.3	21.3
399120 2014 DL_{122}	13.7	X	255.07428	287.52219	171.59433	18.54564	0.0961737	0.08544704	5.1051053	20	9 15.4	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
399121 2014 DG_{124}	17.2	X	218.07082	59.40108	143.96922	3.01900	0.1196137	0.26569931	2.3963069	20	—	—
399122 2014 DY_{131}	16.3	X	253.86211	224.76915	142.63976	2.91309	0.0774523	0.19948404	2.9008857	20	6 4.7	20.4
399123 2014 DU_{132}	16.3	X	318.09541	319.44333	346.02239	9.63803	0.0835550	0.19578793	2.9372806	20	6 8.2	20.3
399124 2014 DL_{133}	17.9	X	255.87482	24.20042	164.57839	2.58355	0.1245232	0.27652416	2.3333542	20	—	—
399125 2014 DH_{134}	18.0	X	299.64549	4.70971	114.19262	2.28092	0.1414601	0.27220016	2.3580000	20	—	—
399126 2014 DY_{139}	17.4	X	153.07993	210.82227	42.95699	0.70335	0.1735776	0.25346261	2.4728254	20	12 23.8	21.4
399127 2014 DS_{140}	17.1	X	351.00559	91.23516	232.18740	3.72606	0.0282238	0.22031418	2.7150286	20	8 25.8	20.7
399128 2014 DL_{141}	17.8	X	235.59103	216.90279	54.79386	5.33655	0.2136580	0.28954623	2.2628587	20	—	—
399129 2014 EB	16.2	X	168.64627	163.87438	88.74274	27.58404	0.1886575	0.24277474	2.5448785	20	—	—
399130 2014 EW_{1}	17.1	X	164.86500	263.04228	256.26038	2.98158	0.1529121	0.23062511	2.6334899	20	9 6.0	21.4
399131 2014 EB_{5}	17.3	X	223.13344	148.25622	55.52191	7.19774	0.0795694	0.27272232	2.3549892	20	—	—
399132 2014 EK_{7}	16.6	X	315.52793	355.16767	7.26747	6.38441	0.0359949	0.22214555	2.7000863	20	8 31.5	20.0
399133 2014 ES_{10}	16.6	X	82.50514	104.68408	12.69248	16.48182	0.2043390	0.17743858	3.1364426	20	4 23.4	21.0
399134 2014 ES_{15}	16.6	X	316.19861	136.18121	176.36539	5.80189	0.0245894	0.20047862	2.8912835	20	6 22.7	20.5
399135 2014 EK_{17}	17.8	X	238.32341	213.34636	30.90414	7.11264	0.0969752	0.29330236	2.2434979	20	—	—
399136 2014 EX_{17}	17.3	X	144.97911	191.32284	84.49865	5.86319	0.1893842	0.26079882	2.4262319	20	—	—
399137 2014 EG_{18}	16.5	X	280.24568	339.36265	38.30095	7.14354	0.0352421	0.21702766	2.7423696	20	8 1.9	20.2
399138 2014 EH_{18}	16.3	X	124.47600	65.08558	141.61192	12.71638	0.1296611	0.22675961	2.6633337	20	10 1.2	20.6
399139 2014 EK_{20}	17.9	X	244.73966	103.31017	43.33885	1.97178	0.1405748	0.25824617	2.4421938	20	11 22.9	20.8
399140 2014 ES_{20}	13.8	X	277.94446	41.51554	21.89014	7.40311	0.0725121	0.08478266	5.1317405	20	9 6.2	20.6
399141 2014 ES_{21}	16.1	X	345.72032	92.67761	145.90664	10.83694	0.0651259	0.18054852	3.1003217	20	4 29.0	20.3
399142 2014 EF_{31}	15.6	X	92.67044	328.36492	138.73793	8.04794	0.0390798	0.16853147	3.2460015	20	4 7.4	20.2
399143 2014 ED_{34}	16.4	X	74.78621	290.85619	15.69277	15.13151	0.1352135	0.24385621	2.5373488	20	12 10.4	20.4
399144 2014 EP_{37}	15.7	X	103.23404	5.18915	129.34833	9.96161	0.0724223	0.18768288	3.0212473	20	5 28.2	20.2
399145 2014 ET_{38}	16.9	X	206.31130	111.06742	118.17592	6.87406	0.1279814	0.26851933	2.3794998	20	—	—
399146 2014 EQ_{39}	16.5	X	77.03560	152.05205	79.30544	9.32341	0.1557614	0.20868390	2.8149893	20	9 14.0	20.7
399147 2014 ET_{39}	17.9	X	286.26601	137.73557	75.55796	8.23766	0.0813074	0.29662511	2.2267123	20	—	—
399148 2014 EP_{45}	15.8	X	51.51550	146.42071	9.60081	11.37071	0.0443227	0.17814460	3.1281503	20	4 10.6	20.1
399149 2014 ES_{45}	16.8	X	77.68540	165.48906	58.62955	4.90326	0.1248927	0.21308156	2.7761237	20	8 30.2	20.7
399150 2014 EE_{50}	17.8	X	203.74462	74.10523	134.31945	3.53463	0.1846742	0.26195426	2.4190921	20	12 17.5	21.1
399151 2014 EQ_{50}	15.2	X	313.98557	357.51988	271.12150	3.74785	0.0799516	0.17662547	3.1460612	20	4 15.2	19.4
399152 2014 ET_{51}	16.6	X	282.95771	269.21803	271.08679	7.91368	0.0995006	0.28164888	2.3049634	20	—	—
399153 2014 FL_{4}	13.4	X	313.23215	332.62213	67.61863	9.94813	0.0705184	0.08175384	5.2577179	20	9 25.1	20.2
399154 2014 FB_{6}	16.2	X	69.22117	61.32981	180.73691	14.19750	0.1379260	0.21213314	2.7843920	20	9 10.2	20.0
399155 2014 FC_{6}	18.1	X	235.03321	29.73669	168.56753	1.53725	0.1242001	0.26983319	2.3717694	20	—	—
399156 2014 FB_{11}	16.5	X	155.81831	189.33348	358.94294	5.41437	0.0767446	0.23113888	2.6295860	20	10 5.2	20.4
399157 2014 FE_{11}	16.0	X	29.66240	264.72935	343.25984	13.43819	0.1378922	0.20498509	2.8487513	20	7 27.1	19.5
399158 2014 FG_{17}	15.9	X	339.56126	293.06533	351.97843	13.20303	0.1773013	0.18832826	3.0143411	20	6 6.4	19.5
399159 2014 FH_{17}	15.9	X	135.60394	233.33891	180.64856	27.39945	0.2232886	0.17457103	3.1706960	20	4 8.9	21.2
399160 2014 FG_{18}	17.1	X	173.67276	271.59573	231.98086	2.81404	0.1631485	0.22504784	2.6768219	20	8 25.1	21.5
399161 2014 FQ_{25}	16.7	X	155.05479	300.41355	325.40929	7.91500	0.0911703	0.26180129	2.4200344	20	—	—
399162 2014 FM_{29}	15.5	X	321.85213	241.18659	19.79330	17.59732	0.1487104	0.17336664	3.1853638	20	4 9.4	19.6
399163 2014 FF_{34}	18.0	X	254.04438	108.30877	72.67561	2.00437	0.1629600	0.27166285	2.3611081	20	—	—
399164 2014 FR_{35}	16.5	X	236.06595	17.60663	112.07204	8.22548	0.1494765	0.24350742	2.5397711	20	10 19.8	20.0
399165 2014 FS_{35}	17.3	X	241.54062	84.02230	102.00223	5.32835	0.1548030	0.26501460	2.4004326	20	—	—
399166 2014 FT_{35}	16.9	X	140.60878	244.47319	20.82579	27.35694	0.2532058	0.24308098	2.5427407	20	12 20.9	21.9
399167 2014 FG_{36}	16.2	X	153.37453	272.47744	184.51190	9.37311	0.0563802	0.18222777	3.0812458	20	6 5.2	20.9
399168 2014 FL_{36}	17.6	X	245.89834	61.48236	93.49891	3.56971	0.1722132	0.25274681	2.4774920	20	11 29.9	20.5
399169 2014 FA_{37}	17.9	X	304.39076	182.82776	27.39440	5.07082	0.0772950	0.29872151	2.2162822	20	1 3.2	20.6
399170 2014 FJ_{37}	18.2	X	225.97453	168.84346	51.84656	2.01125	0.1346573	0.26498021	2.4006403	20	—	—
399171 2014 FN_{37}	17.7	X	313.08596	142.88004	351.42329	2.10903	0.0912520	0.27209808	2.3585897	20	—	—
399172 2014 FK_{39}	15.2	X	312.74276	204.76769	87.02869	10.20988	0.0733831	0.17868658	3.1218217	20	5 17.8	19.4
399173 2014 FR_{41}	17.2	X	123.47977	148.24994	106.53230	8.37306	0.2696303	0.22572822	2.6714403	20	11 28.8	22.0
399174 2014 FW_{47}	15.7	X	25.52743	90.76634	105.50407	10.90165	0.1586028	0.17392209	3.1785781	20	5 9.9	19.5
399175 2014 FX_{47}	17.2	X	228.04776	284.98054	248.02022	7.73103	0.1454997	0.25689206	2.4507683	20	12 4.6	20.4
399176 2014 FR_{48}	17.2	X	252.48600	12.54959	264.77033	4.33269	0.1891642	0.30081762	2.2059747	20	1 20.8	20.7
399177 2014 FS_{48}	17.6	X	233.77592	295.78159	278.69042	4.11654	0.1659929	0.27076190	2.3663429	20	—	—
399178 2014 FZ_{48}	16.1	X	37.79903	11.77355	196.42586	19.07755	0.1675705	0.18297802	3.0728175	20	6 13.7	20.2
399179 2014 FE_{49}	16.6	X	137.51413	347.17507	225.49820	9.42368	0.2075309	0.22697847	2.6616213	20	10 17.6	21.3
399180 2014 FY_{49}	15.9	X	110.30753	231.07722	288.28357	8.29096	0.1140761	0.19698634	2.9253554	20	7 10.4	20.0
399181 2014 FE_{50}	17.8	X	275.45837	185.50432	53.55211	6.85187	0.1490153	0.30045039	2.2077719	20	—	—
399182 2014 FP_{52}	16.1	X	21.57358	125.47133	212.25759	14.32681	0.0628070	0.22240741	2.6979664	20	11 2.9	19.5
399183 2014 FC_{55}	16.5	X	348.77354	82.06032	192.29297	16.40268	0.1109495	0.17932730	3.1143812	20	6 14.4	20.6
399184 2014 FG_{55}	17.7	X	226.27703	127.35165	142.25762	4.44592	0.1241579	0.29065759	2.2570868	20	—	—
399185 2014 FK_{57}	15.8	X	78.53040	115.69865	63.75488	10.02230	0.0825898	0.18838737	3.0137104	20	6 22.7	20.0
399186 2014 GS_{2}	17.7	X	186.28888	140.09497	129.91335	3.61032	0.0833062	0.27009027	2.3702642	20	—	—
399187 2014 GP_{5}	17.2	X	131.12244	125.10564	186.67408	3.37863	0.1536240	0.25967924	2.4332005	20	—	—
399188 2014 GR_{5}	16.5	X	347.20895	241.57894	39.74823	3.92763	0.0712282	0.18528076	3.0473044	20	6 22.6	20.3
399189 2014 GS_{5}	16.9	X	113.65120	184.39842	32.37323	10.22097	0.0162645	0.21616103	2.7496945	20	9 22.2	20.7
399190 2014 GU_{6}	18.2	X	221.50988	83.52316	152.94954	1.65420	0.1433082	0.27340426	2.3510716	20	—	—
399191 2014 GE_{7}	17.9	X	282.18132	351.96635	211.14556	3.58576	0.0692089	0.28932652	2.2640042	20	—	—
399192 2014 GG_{8}	16.1	X	178.78811	229.15330	78.64374	14.62589	0.2837740	0.27138564	2.3627157	20	1 4.3	20.2
399193 2014 GS_{8}	17.1	X	156.41275	87.41090	172.88194	5.77490	0.1410302	0.26184803	2.4197464	20	—	—
399194 2014 GZ_{8}	17.5	X	178.04848	121.50158	136.50967	3.16510	0.1643635	0.26197630	2.4189564	20	—	—
399195 2014 GW_{10}	16.5	X	115.65942	279.75870	207.05046	4.32242	0.1483354	0.19067873	2.9895183	20	6 8.8	21.1
399196 2014 GD_{15}	17.2	X	88.32378	120.63165	132.35600	4.62181	0.1374259	0.22106003	2.7089183	20	10 20.1	21.2
399197 2014 GP_{16}	16.2	X	75.10187	209.78683	53.45109	8.68594	0.1774781	0.21285174	2.7781216	20	10 22.1	20.3
399198 2014 GC_{17}	16.5	X	24.03599	249.74305	8.00835	10.70329	0.2095519	0.18376609	3.0640262	20	8 7.8	20.1
399199 2014 GL_{22}	17.2	X	101.76013	128.95291	206.53109	4.38048	0.1430985	0.25643617	2.4536721	20	—	—
399200 2014 GQ_{22}	17.3	X	204.48130	32.85931	216.71773	6.71331	0.0928055	0.26781549	2.3836670	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
399201 2014 GL_{25}	16.6	X	105.41531	300.65737	352.01943	13.03485	0.2273262	0.23932746	2.5692578	20	12 30.1	21.2
399202 2014 GG_{26}	17.4	X	7.14186	200.02860	228.62413	5.78937	0.0910950	0.26463547	2.4027247	20	—	—
399203 2014 GN_{26}	17.1	X	96.63925	250.32135	0.27142	2.32313	0.0253763	0.22053192	2.7132413	20	10 11.9	20.8
399204 2014 GO_{27}	16.3	X	317.81815	180.33462	142.23647	1.75578	0.1772485	0.18086826	3.0966667	20	6 20.1	19.8
399205 2014 GS_{27}	16.5	X	108.43626	54.31870	204.20521	13.31654	0.1657576	0.22353492	2.6888865	20	11 17.0	20.9
399206 2014 GX_{27}	17.9	X	258.42521	43.01763	126.90675	2.31062	0.1372678	0.26060322	2.4274457	20	—	—
399207 2014 GZ_{27}	17.3	X	255.38689	113.89928	28.39712	1.29596	0.0313983	0.24441565	2.5334755	20	12 14.7	20.6
399208 2014 GL_{28}	16.3	X	27.32829	24.05279	203.34891	17.38397	0.1445851	0.17718225	3.1394669	20	6 18.2	20.4
399209 2014 GT_{28}	17.4	X	140.14365	276.02760	46.13505	3.83723	0.1374008	0.26473560	2.4021188	20	—	—
399210 2014 GE_{29}	15.8	X	299.73718	276.42619	44.81490	10.78929	0.0912395	0.17736130	3.1373537	20	5 31.7	20.0
399211 2014 GF_{29}	16.4	X	182.56022	28.70762	45.05867	10.96276	0.0573400	0.18163601	3.0879345	20	6 6.6	21.1
399212 2014 GE_{30}	17.6	X	205.71399	283.63168	32.61071	6.39465	0.1382852	0.29487397	2.2355193	20	1 31.2	21.0
399213 2014 GH_{31}	15.9	X	97.47298	198.42365	29.90723	13.53918	0.0799156	0.21223078	2.7835379	20	9 24.6	20.0
399214 2014 GS_{33}	17.9	X	336.89722	357.66941	168.20423	4.25958	0.1106761	0.29580979	2.2308020	20	—	—
399215 2014 GT_{33}	15.4	X	4.70431	234.12418	46.37125	10.92882	0.1655730	0.18672042	3.0316205	20	7 27.5	18.9
399216 2014 GT_{36}	15.5	X	35.30253	141.52814	54.24266	20.69455	0.0390915	0.17497007	3.1658733	20	5 11.3	19.6
399217 2014 GZ_{38}	15.7	X	344.12834	148.23408	95.44156	6.01095	0.0837442	0.17313966	3.1881470	20	4 30.7	19.9
399218 2014 GF_{41}	17.5	X	182.48409	311.05035	4.27724	6.92110	0.1953292	0.28047703	2.3113791	20	1 11.8	21.3
399219 2014 GK_{41}	16.5	X	2.57580	20.05767	278.06478	2.16389	0.1348150	0.19322804	2.9631658	20	8 12.1	19.8
399220 2014 GA_{42}	16.8	X	273.72807	238.09996	213.30828	8.15429	0.1362766	0.23386166	2.6091359	20	10 16.4	20.0
399221 2014 GF_{42}	15.9	X	119.71339	97.70151	24.28645	17.00720	0.0475925	0.17783540	3.1317751	20	5 22.1	20.6
399222 2014 GJ_{42}	17.6	X	294.81518	257.10957	267.80819	1.41296	0.1028108	0.27649656	2.3335095	20	—	—
399223 2014 GK_{42}	17.8	X	93.22366	36.00734	17.51999	5.73601	0.0379881	0.29484086	2.2356867	20	1 10.4	20.4
399224 2014 GP_{42}	17.9	X	266.27717	224.20918	28.85566	6.15205	0.0765581	0.29706775	2.2244998	20	1 14.8	20.8
399225 2014 GQ_{42}	17.6	X	167.46910	247.04995	28.23509	6.84637	0.1676988	0.25766469	2.4458667	20	—	—
399226 2014 GE_{43}	16.4	X	78.48609	197.36757	36.89670	2.43753	0.0160742	0.20394946	2.8583868	20	8 26.3	20.3
399227 2014 GN_{45}	15.3	X	42.64301	143.55884	37.19137	17.14579	0.1591258	0.17576203	3.1563562	20	5 12.2	19.1
399228 2014 GH_{46}	16.7	X	54.85395	152.40535	43.54087	18.90716	0.0812218	0.18037077	3.1023582	20	6 8.6	21.1
399229 2014 GT_{47}	17.4	X	229.08981	185.33298	74.30155	6.54508	0.1400812	0.28142610	2.3061796	20	—	—
399230 2014 GV_{47}	17.3	X	355.14859	53.79766	54.17554	2.08509	0.1236228	0.27984445	2.3148610	20	—	—
399231 2014 HA	15.6	X	9.23529	185.79278	41.18301	18.06680	0.1283206	0.17449041	3.1716725	20	5 13.9	19.4
399232 2014 HQ	16.6	X	28.88006	134.23194	123.28674	5.37045	0.1472217	0.18969175	2.9998791	20	8 3.8	20.1
399233 2014 HT	15.8	X	357.37887	241.96412	54.17557	20.28626	0.1793362	0.18207504	3.0829686	20	8 8.9	19.6
399234 2014 HV	16.8	X	200.86281	229.47784	51.39163	6.64845	0.0733992	0.27295759	2.3536358	20	—	—
399235 2014 HY_{1}	16.1	X	46.27860	114.49977	132.24541	12.75877	0.1714240	0.18832590	3.0143663	20	8 21.1	19.9
399236 2014 HW_{3}	17.1	X	49.80020	334.52778	20.95074	6.08827	0.1492841	0.24590703	2.5232218	20	—	—
399237 2014 HU_{8}	17.3	X	250.07044	26.77574	90.14725	3.85331	0.1673882	0.24016254	2.5632986	20	10 15.4	20.6
399238 2014 HA_{9}	17.3	X	165.64381	105.61962	185.91791	6.25014	0.0992308	0.26554627	2.3972275	20	—	—
399239 2014 HH_{9}	17.8	X	232.59376	100.98213	172.77813	4.11614	0.1417043	0.28721910	2.2750651	20	1 1.9	21.4
399240 2014 HO_{10}	17.4	X	90.54358	113.78091	191.34327	5.59112	0.1175817	0.23759493	2.5817327	20	12 24.2	21.4
399241 2014 HL_{12}	16.9	X	128.69382	199.18548	83.92486	3.12289	0.0734871	0.24594130	2.5229873	20	—	—
399242 2014 HH_{13}	16.7	X	162.69458	236.58680	49.05296	5.84122	0.0960428	0.26078835	2.4262968	20	—	—
399243 2014 HR_{13}	17.8	X	263.68214	6.45826	173.20639	2.53319	0.1355504	0.26672011	2.3901888	20	—	—
399244 2014 HG_{19}	17.7	X	161.28349	269.78175	26.25453	2.09843	0.1765254	0.26274913	2.4142108	20	—	—
399245 2014 HA_{23}	16.6	X	82.52464	56.18782	85.69577	22.40660	0.3137689	0.17603819	3.1530543	20	6 12.7	21.3
399246 2014 HJ_{25}	18.1	X	289.98719	334.54102	193.36741	2.16357	0.1045608	0.27468249	2.3437722	20	—	—
399247 2014 HW_{25}	18.1	X	287.63149	94.99251	107.28895	1.76934	0.0377999	0.28580137	2.2825827	20	—	—
399248 2014 HB_{26}	17.0	X	42.77550	151.12876	69.62911	2.27211	0.0886841	0.18346980	3.0673241	20	6 28.4	21.0
399249 2014 HC_{26}	18.1	X	206.47491	79.09273	183.63438	2.32333	0.1780892	0.27026734	2.3692288	20	—	—
399250 2014 HN_{26}	16.1	X	63.38680	359.38751	193.40315	17.82189	0.1511434	0.17719974	3.1392603	20	6 28.6	20.7
399251 2014 HL_{27}	17.9	X	227.59546	143.54385	69.10281	2.18795	0.1246644	0.26451247	2.4034695	20	—	—
399252 2014 HZ_{28}	16.7	X	57.01086	143.82073	155.29367	3.82768	0.1811675	0.21751516	2.7382706	20	11 16.0	20.7
399253 2014 HF_{30}	17.0	X	276.58463	26.73811	74.21224	5.42978	0.1108536	0.24198151	2.5504370	20	11 10.4	19.8
399254 2014 HA_{31}	18.0	X	206.26301	245.26539	98.32880	5.07407	0.0105529	0.31182004	2.1537735	20	3 4.9	20.4
399255 2014 HM_{31}	17.4	X	351.11791	310.68821	130.21481	5.67811	0.2041562	0.26748360	2.3856383	20	—	—
399256 2014 HM_{32}	17.8	X	113.46987	226.67191	76.41019	3.00360	0.1637502	0.24244837	2.5471618	20	—	—
399257 2014 HK_{33}	16.3	X	337.95799	274.52781	62.96802	10.40082	0.1789695	0.19751019	2.9201806	20	8 28.3	19.5
399258 2014 HX_{35}	15.7	X	349.78428	239.65276	55.44850	17.29676	0.2236522	0.18173746	3.0867852	20	7 15.6	19.0
399259 2014 HL_{36}	16.7	X	23.67494	198.25618	119.95214	5.28318	0.0652596	0.21516195	2.7581998	20	10 12.2	20.2
399260 2014 HO_{41}	17.7	X	223.39057	73.14835	121.09732	2.34070	0.1264981	0.25914062	2.4365709	20	12 29.8	20.6
399261 2014 HJ_{42}	16.1	X	74.83653	342.81861	202.66199	10.29321	0.0373094	0.18185751	3.0854266	20	6 18.9	20.6
399262 2014 HN_{43}	17.3	X	148.73033	249.92945	86.07827	7.02137	0.1359569	0.27581871	2.3373311	20	—	—
399263 2014 HY_{46}	17.3	X	236.29967	89.19091	166.56918	6.23949	0.0955764	0.28342004	2.2953505	20	—	—
399264 2014 HZ_{46}	16.7	X	14.43622	114.95675	138.82422	5.36847	0.1465086	0.18176308	3.0864952	20	7 2.8	20.2
399265 2014 HT_{47}	16.2	X	44.67301	178.41762	46.72060	10.88512	0.2091393	0.18554970	3.0443591	20	7 28.6	20.2
399266 2014 HX_{47}	17.1	X	193.08085	296.98404	194.49835	9.43506	0.1443350	0.21878945	2.7276279	20	8 27.4	21.6
399267 2014 HH_{48}	17.1	X	131.14327	152.24180	98.46582	5.11083	0.1718742	0.23272552	2.6176207	20	11 28.6	21.3
399268 2014 HL_{60}	16.4	X	258.31109	257.19839	99.86198	3.94701	0.1057490	0.17904841	3.1176144	20	5 24.3	20.9
399269 2014 HC_{61}	16.8	X	218.41057	252.07724	189.54775	10.31512	0.0672842	0.20411494	2.8568418	20	7 27.0	21.2
399270 2014 HQ_{69}	16.8	X	12.32849	328.50846	67.64516	3.39922	0.0942877	0.25105791	2.4885905	20	—	—
399271 2014 HK_{73}	15.9	X	26.22314	340.92930	187.33346	6.58752	0.0644548	0.15612300	3.4157923	20	3 27.0	20.4
399272 2014 HE_{74}	17.5	X	214.68903	318.67415	153.46242	3.68097	0.0461158	0.21539410	2.7562177	20	9 6.5	21.4
399273 2014 HT_{76}	16.7	X	326.71804	289.73665	58.33421	6.95885	0.2097155	0.19895128	2.9060621	20	8 14.9	19.6
399274 2014 HA_{81}	16.5	X	133.53740	9.06673	138.91492	4.70136	0.0440506	0.19461724	2.9490480	20	7 15.3	20.7
399275 2014 HY_{81}	17.2	X	345.92853	200.80246	143.45656	4.30342	0.1029254	0.21018215	2.8015959	20	9 19.5	20.3
399276 2014 HN_{83}	16.7	X	189.28533	348.61467	146.97506	4.13384	0.0382789	0.21364710	2.7712224	20	9 6.7	20.7
399277 2014 HD_{85}	17.1	X	21.21412	259.93727	134.10093	5.19477	0.0935692	0.25254101	2.4788378	20	—	—
399278 2014 HH_{89}	18.0	X	350.68579	13.07570	82.60541	6.94938	0.1889603	0.27560704	2.3385277	20	—	—
399279 2014 HL_{97}	17.2	X	167.28743	8.62451	180.63649	8.19492	0.1923885	0.22924527	2.6440467	20	10 16.7	21.7
399280 2014 HR_{115}	17.1	X	186.54647	325.96945	176.99851	9.45715	0.0929482	0.21579218	2.7528270	20	9 8.6	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
399281 2014 HK_{116}	16.1	X	334.81420	227.81278	86.53101	9.86868	0.1274202	0.18674086	3.0313993	20	7 15.4	19.6
399282 2014 HV_{123}	17.8	X	349.20539	297.07012	29.84664	20.46343	0.0849215	0.36771233	1.9295850	20	10 7.1	19.3
399283 2014 HU_{124}	15.5	X	353.72367	136.47788	137.14608	12.49093	0.2147219	0.17620631	3.1510485	20	6 21.6	18.8
399284 2014 HD_{125}	16.5	X	101.95980	146.00059	19.45844	6.77028	0.1157945	0.19074545	2.9888211	20	7 9.8	21.0
399285 2014 HB_{130}	17.6	X	221.11027	139.02670	80.87892	6.30100	0.1477766	0.26727794	2.3868620	20	—	—
399286 2014 HD_{131}	18.0	X	201.41370	327.89812	304.27282	0.76082	0.1689080	0.26888350	2.3773509	20	—	—
399287 2014 HY_{131}	16.3	X	319.60889	130.04847	161.53479	3.21637	0.0395698	0.16926599	3.2366042	20	5 29.6	20.8
399288 2014 HZ_{131}	18.0	X	230.51058	151.79088	137.01327	2.45138	0.2643069	0.28238986	2.3009295	20	1 17.1	22.0
399289 2014 HR_{143}	17.7	X	288.69370	102.66133	52.68745	5.34427	0.0863068	0.27629886	2.3346224	20	—	—
399290 2014 HS_{143}	17.0	X	298.02335	30.64575	52.54760	6.07536	0.1471862	0.25408707	2.4687722	20	11 21.3	19.2
399291 2014 HB_{146}	17.9	X	256.79765	165.16984	43.76511	6.06076	0.1207383	0.27930110	2.3178622	20	—	—
399292 2014 HW_{146}	18.4	X	242.85727	88.15677	153.90560	4.08126	0.1422296	0.27864195	2.3215162	20	—	—
399293 2014 HF_{151}	15.8	X	143.59421	242.00741	205.45994	14.72695	0.0606150	0.17994840	3.1072108	20	5 13.7	20.4
399294 2014 HS_{153}	18.3	X	318.31175	89.81578	58.64141	3.56804	0.1291405	0.28115122	2.3076826	20	—	—
399295 2014 HX_{155}	18.4	X	250.61490	155.13118	123.50779	0.81625	0.1368651	0.29707680	2.2244547	20	1 24.9	21.5
399296 2014 HE_{160}	18.0	X	233.77943	124.61906	154.53228	6.88865	0.2504733	0.28538599	2.2847970	20	1 7.7	22.0
399297 2014 HL_{168}	17.8	X	270.44073	198.56104	68.05205	4.89869	0.1753610	0.29586363	2.2305313	20	1 27.9	21.1
399298 2014 HZ_{172}	15.4	X	287.26533	264.87753	90.83885	10.36089	0.2037760	0.18009430	3.1055325	20	6 13.0	19.5
399299 2014 HW_{181}	16.7	X	252.26416	62.31150	68.22954	9.07513	0.1334260	0.23917293	2.5703644	20	11 10.3	19.8
399300 2014 HC_{183}	17.1	X	22.15842	168.99005	169.79984	3.71331	0.0429740	0.21854920	2.7296265	20	11 2.2	20.6
399301 2014 HB_{185}	17.9	X	310.61087	84.05729	136.82990	3.25273	0.1207853	0.29991339	2.2104065	20	1 18.5	20.5
399302 2014 HZ_{185}	16.7	X	245.74138	20.55062	108.02008	4.46655	0.0307762	0.22842209	2.6503953	20	11 11.9	20.2
399303 2014 HG_{186}	17.8	X	258.82939	135.04713	152.76120	9.05555	0.2007900	0.29989097	2.2105166	20	2 8.2	21.2
399304 2014 HX_{186}	16.5	X	237.75419	0.85027	150.19232	5.15967	0.1253740	0.24093642	2.5578068	20	11 19.3	19.8
399305 2014 JR	17.4	X	231.99055	119.63594	124.17764	3.50354	0.1816085	0.27104004	2.3647238	20	—	—
399306 5400 $T-3$	18.0	X	188.55154	275.12193	87.47684	4.67663	0.2402551	0.28900739	2.2656705	20	3 16.7	21.8
399307 1991 RJ_{2}	18.9	X	277.12045	150.95715	171.77686	8.94682	0.4276627	0.30018303	2.2090826	20	3 20.4	22.7
399308 1993 GD	20.7	X	298.36726	202.08095	201.44008	15.46224	0.2380412	0.85145689	1.1024552	20	—	—
399309 1994 UQ_{8}	17.0	X	36.10925	313.80812	12.71190	5.07645	0.2712157	0.19177721	2.9780916	20	11 30.4	21.1
399310 1994 XB	18.3	X	207.84640	145.88125	235.18929	4.54929	0.2102748	0.29130917	2.2537199	20	4 21.3	21.8
399311 1994 XR_{3}	18.1	X	201.03701	158.32059	183.10018	2.82845	0.2025867	0.28590374	2.2820378	20	2 26.3	21.8
399312 1995 UA_{58}	17.4	X	30.39104	42.52393	287.61736	0.71079	0.0540639	0.19834973	2.9119348	20	10 29.1	21.1
399313 1995 UR_{73}	17.2	X	90.36299	255.36751	81.70749	6.32783	0.0038700	0.24437827	2.5337338	20	—	—
399314 1996 RG_{4}	16.7	X	122.83294	352.42768	334.07157	11.46951	0.2030141	0.22031690	2.7150063	20	—	—
399315 1996 TP_{25}	17.5	X	165.42197	337.22060	36.96808	3.30259	0.1954240	0.26811130	2.3819134	20	3 10.2	21.3
399316 1996 XV_{17}	17.5	X	152.19319	40.40685	337.03823	0.92659	0.2022699	0.26601653	2.3944015	20	3 1.5	21.3
399317 1997 EB_{30}	17.5	X	194.22129	235.82531	14.74006	3.45791	0.1895680	0.24137365	2.5547170	20	—	—
399318 1997 XJ_{1}	16.5	X	145.27269	161.11513	259.33109	23.73404	0.1756889	0.27961358	2.3161350	20	4 7.9	20.6
399319 1997 YA_{14}	16.5	X	129.72629	148.47978	287.93905	22.52038	0.2360212	0.27704242	2.3304432	20	4 16.9	20.7
399320 1998 ML_{17}	16.1	X	81.54425	310.24998	306.63679	16.16262	0.1370015	0.18596732	3.0397997	20	10 1.4	20.9
399321 1998 QL_{52}	17.1	X	98.60923	201.35278	160.63833	13.27800	0.3278078	0.23997205	2.5646550	20	1 3.9	20.4
399322 1998 QW_{63}	15.3	X	6.91934	16.58542	7.34646	20.35144	0.2846550	0.18304593	3.0720574	20	—	—
399323 1998 SD_{177}	16.1	X	312.87292	212.79249	182.08008	18.25643	0.1772131	0.17860098	3.1228190	20	9 18.1	19.5
399324 1998 VO_{46}	16.2	X	354.02155	288.58857	44.12370	6.10888	0.1944910	0.17560267	3.1582656	20	9 17.6	19.6
399325 1999 GY_{5}	19.9	X	131.71681	232.20768	203.40071	24.43217	0.6147173	0.80302246	1.1463509	20	5 18.5	21.3
399326 1999 RA_{114}	17.0	X	168.89555	147.05670	196.38499	10.92631	0.1669228	0.26009363	2.4306154	20	1 30.2	21.0
399327 1999 TV_{56}	16.4	X	340.70495	356.88193	30.81956	5.73178	0.1373221	0.18845090	3.0130331	20	11 2.9	19.8
399328 1999 TJ_{183}	17.2	X	133.56690	272.16473	90.50946	3.15419	0.2149517	0.25479310	2.4642094	20	1 28.1	20.7
399329 1999 TF_{232}	15.8	X	9.29111	271.17755	81.46760	11.97030	0.2717260	0.18981933	2.9985348	20	11 26.3	19.2
399330 1999 TV_{241}	15.5	X	219.99623	326.74379	71.14284	8.09542	0.3506413	0.12486554	3.9643712	20	5 19.5	22.4
399331 1999 TW_{243}	15.9	X	331.27609	221.55223	203.52438	10.09016	0.2687467	0.19082670	2.9879727	20	12 12.5	18.6
399332 1999 UC_{28}	16.5	X	6.26348	132.79000	195.28738	11.03252	0.2281702	0.18862487	3.0111802	20	10 10.0	19.5
399333 1999 VT_{83}	16.1	X	288.63930	152.02352	223.23470	8.24719	0.2104328	0.17958891	3.1113560	20	7 7.7	20.4
399334 1999 XS_{55}	16.7	X	138.99600	312.43545	64.56430	9.22925	0.2034549	0.25451897	2.4659784	20	2 22.9	20.6
399335 1999 XA_{241}	16.8	X	139.46197	118.02197	253.91954	12.41761	0.2494790	0.25511032	2.4621662	20	2 11.8	20.9
399336 1999 YY_{28}	15.7	X	238.29949	183.76857	290.42083	15.80309	0.1542011	0.17830043	3.1263274	20	9 9.9	20.7
399337 2000 CN_{39}	17.4	X	227.49003	358.19424	139.49131	23.55452	0.0711472	0.36999368	1.9216451	20	12 3.3	19.9
399338 2000 CA_{109}	17.1	X	250.15206	152.17964	336.78282	2.37677	0.0656831	0.22693074	2.6619946	20	11 10.4	20.5
399339 2000 JR_{8}	17.5	X	202.09733	341.08365	228.61620	20.30130	0.1299332	0.36943017	1.9235987	20	—	—
399340 2000 LM_{36}	17.5	X	93.51354	103.15636	196.63405	8.36394	0.4946221	0.21224802	2.7833872	20	—	—
399341 2000 QX_{43}	17.3	X	184.61987	184.99580	156.94571	9.12198	0.2364041	0.27570568	2.3379698	20	2 15.3	21.2
399342 2000 QY_{220}	17.9	X	226.69477	218.53484	137.34928	5.42194	0.2397783	0.28309878	2.2970867	20	4 7.5	21.7
399343 2000 RF_{89}	17.4	X	209.74995	81.67337	277.32294	6.14431	0.1480415	0.27990726	2.3145147	20	3 25.1	21.0
399344 2000 SV_{19}	16.4	X	81.50829	132.73417	252.10326	8.88259	0.2438980	0.21287734	2.7778988	20	—	—
399345 2000 SU_{75}	17.0	X	211.64400	315.36386	30.55871	11.51604	0.2511560	0.27765218	2.3270301	20	3 16.6	21.1
399346 2000 SK_{96}	17.1	X	156.39837	176.54801	233.42875	8.73001	0.2251978	0.27714318	2.3298784	20	4 14.3	20.9
399347 2000 SN_{126}	17.3	X	211.65871	226.38520	157.94835	6.80370	0.2714135	0.28012591	2.3133101	20	4 30.1	21.4
399348 2000 SA_{181}	18.3	X	189.70188	41.88756	336.30869	0.92667	0.1990067	0.27809548	2.3245564	20	4 3.2	22.0
399349 2000 SK_{267}	18.0	X	186.58787	195.23541	184.36225	7.59572	0.2694456	0.27725331	2.3292613	20	4 4.2	22.0
399350 2000 SE_{297}	17.3	X	148.32185	155.46761	279.35248	4.21860	0.2088159	0.27774818	2.3264938	20	5 8.6	21.1
399351 2000 SK_{297}	17.4	X	153.90193	158.62928	236.12200	4.63573	0.2089486	0.27454758	2.3445400	20	3 22.8	21.1
399352 2000 SN_{320}	16.8	X	299.53823	199.86361	176.93285	8.91613	0.1009877	0.19110048	2.9851182	20	8 12.4	20.7
399353 2000 SO_{330}	18.2	X	220.97639	166.36793	170.00353	2.48250	0.2317369	0.27809407	2.3245643	20	3 8.1	22.1
399354 2000 US_{36}	17.3	X	192.41550	314.03091	41.21429	5.61455	0.2486595	0.27487180	2.3426959	20	3 11.7	21.4
399355 2000 UZ_{61}	17.5	X	200.39153	92.28157	271.48238	2.31002	0.2267055	0.27695964	2.3309076	20	3 24.3	21.4
399356 2000 WG_{12}	17.3	X	152.47908	106.00085	258.90592	2.76420	0.3396015	0.26683095	2.3895269	20	2 24.1	21.5
399357 2000 WV_{19}	17.3	X	159.10482	326.74514	51.84599	11.50987	0.2527343	0.27170486	2.3608648	20	3 17.9	21.4
399358 2000 WG_{21}	17.0	X	32.96801	346.53914	80.23233	12.26628	0.2240756	0.25813640	2.4428861	20	—	—
399359 2000 WA_{154}	15.9	X	319.02716	157.62913	271.63373	13.76220	0.3030437	0.19805756	2.9147978	20	11 15.1	18.3
399360 2000 XL_{54}	17.0	X	178.82539	284.97181	91.01385	8.02089	0.1874278	0.27373954	2.3491515	20	3 26.6	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
399361 2001 BG_{81}	16.3	X	246.97078	229.75028	281.84380	11.80233	0.0888166	0.24085518	2.5583820	20	12 6.2	19.7
399362 2001 HE_{18}	15.9	X	179.39123	114.99022	100.27903	29.06805	0.1865595	0.23242924	2.6198447	20	12 3.5	20.5
399363 2001 HL_{60}	16.4	X	179.56479	74.74361	133.63766	13.35021	0.2067988	0.23076396	2.6324334	20	11 21.0	21.0
399364 2001 KD_{1}	16.2	X	153.97878	26.82074	232.42571	30.72639	0.2156446	0.23189600	2.6238593	20	12 20.9	21.1
399365 2001 NM_{11}	16.3	X	97.82637	83.08748	282.93171	27.47669	0.3392051	0.22748027	2.6577058	20	1 10.7	19.7
399366 2001 OS_{62}	16.7	X	84.31919	190.14224	134.67542	19.34121	0.2784911	0.22218665	2.6997533	20	—	—
399367 2001 OE_{74}	16.4	X	132.41961	42.93734	313.36048	12.01280	0.2815649	0.23162722	2.6258887	20	1 29.2	20.5
399368 2001 PF_{36}	16.9	X	114.91337	65.57553	260.25620	11.22246	0.1934181	0.22583712	2.6705815	20	—	—
399369 2001 PB_{59}	17.0	X	127.44086	146.76382	158.90632	13.48078	0.2689885	0.22567506	2.6718599	20	—	—
399370 2001 QL_{91}	16.6	X	81.35294	244.78267	140.81652	13.69831	0.2786071	0.22680374	2.6629882	20	1 3.9	19.5
399371 2001 QF_{115}	16.4	X	72.03506	62.91621	311.09078	9.54780	0.2601360	0.22303842	2.6928754	20	—	—
399372 2001 QF_{158}	17.0	X	94.95221	177.70086	161.67474	4.27990	0.2395634	0.22415850	2.6838974	20	—	—
399373 2001 QT_{189}	17.1	X	96.27504	85.41868	236.17605	11.48493	0.2829282	0.22256340	2.6967057	20	—	—
399374 2001 QA_{190}	16.0	X	119.85549	22.04882	271.54884	12.80240	0.2375490	0.22303492	2.6929036	20	—	—
399375 2001 QL_{190}	16.3	X	72.57405	121.84133	259.75888	11.84967	0.2807561	0.22394059	2.6856382	20	—	—
399376 2001 QW_{190}	17.1	X	117.07692	102.59351	227.86454	10.44272	0.3130938	0.22602829	2.6690754	20	—	—
399377 2001 QO_{193}	16.6	X	114.97217	91.64127	242.22295	11.13219	0.2850713	0.22523220	2.6753610	20	—	—
399378 2001 QK_{242}	16.8	X	96.71661	181.91471	171.59412	14.38056	0.2559490	0.22419960	2.6835694	20	—	—
399379 2001 RQ_{13}	18.4	X	265.39183	50.44775	304.30948	2.41152	0.1823052	0.30239864	2.1982791	20	5 16.3	21.2
399380 2001 RC_{16}	17.3	X	284.92324	158.85301	254.39015	18.09973	0.0954463	0.36443990	1.9411188	20	10 8.2	19.2
399381 2001 RZ_{25}	16.7	X	99.94023	342.01185	348.12654	13.83945	0.2553175	0.22376146	2.6870713	20	—	—
399382 2001 RK_{33}	18.3	X	271.14853	54.28249	275.56124	5.36886	0.2175839	0.30224276	2.1990349	20	4 11.6	21.3
399383 2001 RP_{37}	17.2	X	121.94907	92.62134	233.15997	2.35283	0.2199100	0.22679001	2.6630956	20	—	—
399384 2001 RW_{53}	17.3	X	69.99410	356.20947	8.97126	7.76187	0.2680654	0.22247122	2.6974505	20	—	—
399385 2001 SH_{123}	18.0	X	239.73170	83.68375	289.58198	2.54120	0.2076266	0.30099201	2.2051226	20	5 10.3	21.4
399386 2001 SZ_{123}	16.2	X	31.70670	66.78423	330.96437	10.99330	0.2161025	0.21999814	2.7176282	20	—	—
399387 2001 ST_{144}	16.7	X	26.29074	118.45469	230.86041	2.72110	0.1060017	0.21353655	2.7721788	20	11 28.0	20.1
399388 2001 SL_{169}	17.8	X	285.97444	23.05553	288.28714	4.52435	0.2094175	0.30079699	2.2060756	20	4 4.9	20.7
399389 2001 SA_{177}	15.7	X	64.39141	323.24799	45.54797	15.71873	0.3084509	0.21912196	2.7248679	20	—	—
399390 2001 SH_{194}	16.9	X	62.11639	7.30710	355.10313	7.78081	0.1934864	0.22059433	2.7127295	20	—	—
399391 2001 SF_{196}	18.0	X	128.46458	146.07010	170.56678	2.02794	0.2576454	0.22616005	2.6680386	20	—	—
399392 2001 SK_{197}	18.4	X	192.06753	176.78737	180.40644	3.79231	0.2016422	0.29184359	2.2509678	20	3 9.0	22.1
399393 2001 SE_{214}	18.6	X	245.22877	165.29246	158.86594	7.53818	0.2425378	0.29623185	2.2286826	20	3 11.8	22.3
399394 2001 SL_{287}	16.8	X	29.45674	196.89711	160.77557	8.89178	0.2305373	0.21310564	2.7759145	20	12 30.5	20.7
399395 2001 SM_{290}	16.2	X	13.11999	119.33043	254.26118	13.00220	0.2336960	0.21302984	2.7765729	20	12 28.5	19.6
399396 2001 SY_{305}	17.9	X	273.56686	39.13444	298.06669	3.92511	0.2306786	0.30114282	2.2043863	20	4 23.6	20.8
399397 2001 SB_{306}	16.8	X	29.24608	340.81481	349.02163	6.06605	0.1003129	0.21084406	2.7957294	20	11 3.3	20.5
399398 2001 SV_{312}	18.1	X	273.52113	272.92395	48.95337	3.86084	0.2274893	0.30031167	2.2084517	20	4 6.3	21.1
399399 2001 SO_{322}	16.5	X	18.23588	86.11395	316.65556	8.05866	0.1711012	0.21762882	2.7373171	20	—	—
399400 2001 SL_{339}	16.5	X	123.62818	54.61867	262.45792	11.49683	0.2078911	0.22518817	2.6757097	20	—	—
399401 2001 ST_{342}	16.4	X	129.36126	298.27215	33.89908	14.97009	0.3730449	0.22727076	2.6593388	20	1 8.9	21.0
399402 2001 SM_{345}	17.4	X	316.21087	30.80485	261.41021	7.85463	0.2383958	0.30381116	2.1914601	20	4 15.9	19.6
399403 2001 TS	16.4	X	37.18068	328.60230	20.96021	17.63767	0.2751518	0.21551137	2.7552177	20	—	—
399404 2001 TL_{54}	18.1	X	221.45079	147.46850	241.58577	4.11082	0.2827927	0.29867143	2.2165299	20	5 10.2	22.0
399405 2001 TB_{57}	17.2	X	285.10903	308.49884	4.22724	5.27549	0.2083029	0.29999469	2.2100071	20	4 7.8	20.0
399406 2001 TA_{90}	17.7	X	217.61559	68.09480	311.34954	3.68411	0.1014543	0.29637019	2.2279890	20	5 2.6	20.7
399407 2001 TV_{133}	16.8	X	55.54168	255.29450	95.23879	7.80777	0.3172705	0.21667381	2.7453546	20	—	—
399408 2001 TB_{143}	18.1	X	178.68375	293.19128	70.03644	4.63664	0.2614837	0.28964055	2.2623674	20	3 10.3	22.0
399409 2001 TZ_{175}	17.2	X	123.89121	109.42778	206.91344	11.21725	0.2519478	0.22521742	2.6754781	20	—	—
399410 2001 TP_{199}	17.0	X	89.47726	216.47169	161.93506	8.27482	0.2446120	0.22521156	2.6755245	20	1 1.9	20.3
399411 2001 TV_{257}	18.1	X	272.57128	163.95257	142.98760	5.03998	0.1926336	0.29726028	2.2235392	20	3 20.9	21.2
399412 2001 TX_{258}	18.2	X	240.14677	272.00536	91.25982	5.33788	0.1751035	0.29798644	2.2199254	20	5 2.9	21.4
399413 2001 UW_{39}	17.6	X	142.04436	253.36753	139.15225	0.69018	0.2104859	0.28615350	2.2807097	20	3 10.2	21.0
399414 2001 UP_{176}	18.4	X	251.53008	271.61669	50.12132	4.19483	0.1678960	0.29441414	2.2378464	20	3 21.4	21.7
399415 2001 UU_{196}	16.4	X	68.26763	313.60486	43.73754	12.97231	0.1868931	0.21996482	2.7179027	20	—	—
399416 2001 UW_{220}	16.8	X	88.97798	101.79341	235.64542	14.11889	0.2556003	0.21854219	2.7296850	20	—	—
399417 2001 VE_{25}	16.8	X	35.08081	3.16703	51.91740	8.59122	0.2688098	0.21768985	2.7368054	20	—	—
399418 2001 VD_{77}	16.2	X	89.50703	291.92012	76.17785	10.10129	0.3797343	0.22334166	2.6904374	20	1 12.0	19.5
399419 2001 VL_{104}	16.9	X	105.86284	78.43933	289.83735	2.76574	0.3143680	0.22460837	2.6803124	20	1 21.6	20.7
399420 2001 WY_{54}	17.1	X	93.14855	134.88267	266.04756	1.47184	0.1608498	0.22555586	2.6728011	20	1 23.6	20.3
399421 2001 WO_{92}	18.4	X	241.59803	107.44302	258.61185	0.87588	0.1730828	0.29709340	2.2243718	20	5 6.4	21.5
399422 2001 WH_{93}	16.5	X	33.29637	286.54108	92.39152	13.76199	0.2011608	0.21368285	2.7709133	20	—	—
399423 2001 XA_{31}	17.5	X	236.58468	175.41169	288.82575	19.78893	0.1097858	0.35726742	1.9670124	20	9 22.6	20.2
399424 2001 XD_{50}	16.1	X	49.85538	95.36171	247.65657	18.41304	0.2764082	0.21266466	2.7797506	20	—	—
399425 2001 XY_{57}	17.4	X	217.63321	205.41162	245.72845	19.32312	0.0970097	0.35344068	1.9811850	20	8 10.1	20.3
399426 2001 XW_{102}	17.6	X	104.03273	1.44204	77.54572	7.87654	0.0694155	0.28297526	2.2977551	20	3 12.2	20.5
399427 2001 XM_{169}	17.2	X	171.21002	148.68948	266.20178	23.15664	0.1904349	0.28898448	2.2657902	20	4 29.6	21.3
399428 2001 XB_{183}	16.4	X	18.18219	293.90282	116.02031	7.08749	0.3184511	0.21247954	2.7813649	20	—	—
399429 2001 XP_{205}	16.6	X	359.54827	301.24951	118.82900	8.67262	0.3065180	0.21210308	2.7846551	20	—	—
399430 2001 XB_{226}	17.8	X	207.98356	197.98780	257.95653	17.39085	0.0907418	0.35367310	1.9803169	20	8 6.7	20.6
399431 2001 XM_{228}	16.8	X	18.91745	145.55734	267.31908	7.94300	0.1503717	0.21397947	2.7683520	20	—	—
399432 2001 YZ_{2}	17.3	X	304.97924	242.11818	253.09649	19.01329	0.0704557	0.37258414	1.9127277	20	—	—
399433 2001 YK_{4}	18.6	X	108.37883	210.80733	155.68755	4.37791	0.7765565	0.22770869	2.6559281	20	3 6.4	24.0
399434 2001 YM_{53}	16.0	X	98.98774	116.95660	272.40017	26.75659	0.2752749	0.22323890	2.6912629	20	1 25.3	19.9
399435 2001 YG_{115}	17.1	X	192.98201	342.12976	50.33448	6.87044	0.2189599	0.28951472	2.2630229	20	4 24.9	20.7
399436 2002 AT_{30}	16.1	X	16.06351	119.21220	288.67870	10.68645	0.2781277	0.21112735	2.7932280	20	—	—
399437 2002 AD_{129}	17.5	X	9.89568	85.29860	292.85967	16.81660	0.1201919	0.36517065	1.9385283	20	—	—
399438 2002 AE_{130}	17.3	X	302.68519	108.83973	322.81009	16.92637	0.1152210	0.36090230	1.9537828	20	12 29.8	18.9
399439 2002 AC_{136}	15.9	X	176.46889	279.04738	277.30331	17.63625	0.1128378	0.19871224	2.9083922	20	10 25.9	20.8
399440 2002 AY_{205}	16.0	X	315.31257	189.75651	117.97226	9.63738	0.0589320	0.19444052	2.9508346	20	6 12.2	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
399441 2002 AR_{208}	17.2	X	258.96501	65.05899	280.67383	7.24727	0.2630463	0.29200320	2.2501474	20	4 14.9	20.8
399442 2002 CB_{1}	16.0	X	262.80667	232.85255	178.51562	9.81269	0.0560310	0.18925899	3.0044504	20	8 12.7	20.2
399443 2002 ER_{108}	17.5	X	253.73491	106.25152	144.44679	3.49476	0.1573202	0.26428653	2.4048391	20	—	—
399444 2002 EO_{158}	16.7	X	66.95624	31.42580	160.23260	11.02256	0.0407325	0.17631041	3.1498080	20	6 17.8	21.3
399445 2002 FE_{23}	17.3	X	74.68913	125.95463	2.54913	8.53327	0.0279053	0.27411340	2.3470150	20	3 28.6	20.1
399446 2002 GF_{1}	20.5	X	26.08868	154.68636	66.76728	1.82159	0.4015597	0.33139988	2.0680823	20	8 9.8	21.5
399447 2002 GR_{97}	16.7	X	194.04122	352.38328	200.22944	14.12152	0.0332273	0.24594885	2.5229357	20	12 1.6	20.3
399448 2002 GJ_{150}	18.0	X	247.36733	27.75141	197.84651	2.83734	0.1798006	0.25771013	2.4455792	20	—	—
399449 2002 GS_{178}	17.7	X	202.36637	117.72611	157.84240	1.42360	0.1696240	0.25573180	2.4581756	20	—	—
399450 2002 JD_{4}	15.7	X	45.32681	89.97951	144.34551	26.07373	0.2608087	0.17198047	3.2024569	20	8 14.4	19.7
399451 2002 JU_{108}	15.8	X	74.04929	71.34187	142.11536	22.80335	0.2973188	0.17337901	3.1852122	20	8 29.8	20.7
399452 2002 JC_{114}	16.7	X	319.67182	314.91904	226.80629	12.23164	0.1338437	0.26146045	2.4221371	20	—	—
399453 2002 NQ_{61}	17.0	X	131.16407	307.83959	35.15579	5.96659	0.2336871	0.24483087	2.5306103	20	1 4.9	20.7
399454 2002 OH_{14}	16.8	X	101.95502	124.68260	208.74064	8.06472	0.1275849	0.23869538	2.5737916	20	—	—
399455 2002 OZ_{28}	17.0	X	88.51878	257.58503	98.07892	5.82188	0.2367557	0.24021337	2.5629370	20	—	—
399456 2002 PN_{27}	17.1	X	105.00839	176.04967	150.38378	4.40412	0.2303422	0.23818326	2.5774795	20	—	—
399457 2002 PD_{43}	19.1	X	186.70021	210.84004	315.13347	26.03062	0.9559447	0.24813275	2.5081104	20	9 2.1	25.8
399458 2002 PC_{80}	17.0	X	109.48863	119.97789	253.92881	12.59524	0.2101374	0.24265766	2.5456970	20	1 12.9	20.4
399459 2002 PZ_{105}	17.1	X	159.68466	345.82625	288.56419	11.75896	0.2367798	0.24128849	2.5553181	20	—	—
399460 2002 PK_{169}	16.2	X	258.59916	76.75868	332.11321	9.19513	0.1092775	0.16005095	3.3596746	20	7 28.8	21.1
399461 2002 PL_{172}	16.8	X	32.27974	55.51059	21.08244	3.02451	0.1616386	0.24195207	2.5506438	20	—	—
399462 2002 PQ_{181}	16.9	X	41.88694	149.95717	285.81975	12.37000	0.2689966	0.23902565	2.5714201	20	—	—
399463 2002 PB_{184}	15.9	X	323.39989	254.83879	147.00939	10.86352	0.1797068	0.17179540	3.2047564	20	10 20.5	19.6
399464 2002 QZ_{46}	17.7	X	122.77234	134.21846	210.50345	11.00601	0.3691268	0.24032987	2.5621087	20	1 12.4	21.9
399465 2002 QY_{74}	17.7	X	137.04859	208.31930	137.72549	13.58317	0.1913418	0.24420967	2.5348999	20	1 9.1	21.5
399466 2002 QW_{85}	17.1	X	117.36844	103.63287	236.80874	1.45235	0.2455776	0.24084820	2.5584314	20	—	—
399467 2002 QG_{125}	16.6	X	37.39781	160.47026	221.08287	8.63134	0.1367324	0.23253913	2.6190192	20	—	—
399468 2002 QC_{137}	17.3	X	52.79374	187.53781	235.05102	4.29404	0.2486194	0.23901749	2.5714787	20	—	—
399469 2002 QG_{140}	17.3	X	126.26664	277.02610	82.94206	7.78610	0.2480195	0.24350825	2.5397653	20	1 23.2	21.0
399470 2002 RR_{4}	17.1	X	139.92724	116.82586	217.37469	12.40477	0.2107432	0.24284147	2.5444123	20	—	—
399471 2002 RN_{5}	16.4	X	40.30030	179.23674	208.25106	13.05021	0.1822943	0.23204816	2.6227122	20	—	—
399472 2002 RR_{136}	17.5	X	142.37639	228.07180	131.45940	9.70665	0.2859829	0.24532886	2.5271846	20	2 9.5	21.7
399473 2002 RR_{167}	17.4	X	122.60666	165.82843	167.94634	2.88319	0.1252204	0.23915963	2.5704597	20	—	—
399474 2002 RY_{168}	17.6	X	139.25117	161.33840	166.39426	2.61163	0.2326086	0.24149181	2.5538836	20	—	—
399475 2002 RZ_{244}	17.6	X	132.53345	221.17355	149.01590	15.14014	0.2269417	0.24616023	2.5214912	20	2 6.5	21.4
399476 2002 RP_{261}	17.3	X	109.38373	96.16144	217.82718	6.17099	0.1856923	0.23533140	2.5982612	20	—	—
399477 2002 RF_{266}	17.8	X	89.43621	256.37637	133.03980	6.73408	0.2048182	0.24151127	2.5537465	20	1 6.5	20.6
399478 2002 RS_{267}	17.2	X	125.07697	258.89952	117.70340	8.86591	0.2814473	0.24405039	2.5360027	20	2 15.5	21.0
399479 2002 RP_{273}	16.7	X	176.38018	70.19763	153.14679	11.07872	0.1787297	0.23479994	2.6021804	20	12 6.2	21.1
399480 2002 RB_{277}	17.4	X	132.45908	324.63280	300.65955	1.99542	0.1279514	0.23231166	2.6207286	20	12 16.0	21.6
399481 2002 SW_{9}	16.9	X	42.42758	173.60958	199.82419	2.01525	0.1940744	0.22983080	2.6395541	20	—	—
399482 2002 SK_{15}	16.3	X	71.16892	132.99463	277.10449	13.06104	0.1811153	0.23841198	2.5758308	20	—	—
399483 2002 SN_{29}	17.7	X	130.83157	174.65600	187.10712	5.77360	0.3155229	0.24276358	2.5449565	20	2 3.5	21.8
399484 2002 SA_{62}	18.1	X	153.85070	3.48790	328.56267	2.48867	0.2326205	0.24433365	2.5340423	20	1 13.0	22.0
399485 2002 TD_{11}	16.7	X	130.72895	108.94324	185.63582	15.23951	0.1740818	0.23579527	2.5948524	20	—	—
399486 2002 TQ_{34}	17.8	X	90.07132	16.78150	4.90923	2.74394	0.2388355	0.23800497	2.5787666	20	1 4.1	20.6
399487 2002 TS_{36}	17.4	X	135.03763	317.37614	28.85656	5.58076	0.2632053	0.24093982	2.5577828	20	1 17.3	21.4
399488 2002 TA_{46}	17.3	X	105.25106	356.31177	24.03152	8.94004	0.3848565	0.23972960	2.5663838	20	2 15.9	21.1
399489 2002 TO_{55}	17.1	X	108.72270	197.44597	172.75398	10.57722	0.2001518	0.23973199	2.5663667	20	1 7.7	20.6
399490 2002 TR_{133}	17.5	X	134.10931	148.68628	218.98757	7.33893	0.2911291	0.24467111	2.5317117	20	2 9.6	21.7
399491 2002 TN_{136}	16.4	X	85.60382	331.39837	347.90717	13.61658	0.2570390	0.23045831	2.6347604	20	—	—
399492 2002 TB_{143}	17.7	X	101.94745	232.48117	152.40435	6.78281	0.3210283	0.24014899	2.5633950	20	2 5.1	21.1
399493 2002 TA_{159}	16.7	X	83.36426	265.62649	94.44889	9.92012	0.1526848	0.23387775	2.6090162	20	—	—
399494 2002 TA_{165}	17.2	X	84.05298	304.84783	95.36479	6.95672	0.3322932	0.23874003	2.5734706	20	2 5.5	20.0
399495 2002 TA_{173}	16.7	X	50.99236	271.03492	105.60611	4.60192	0.2124135	0.23214044	2.6220171	20	—	—
399496 2002 TH_{181}	15.9	X	82.32692	119.13894	234.86076	29.80808	0.2579311	0.23329785	2.6133378	20	—	—
399497 2002 TV_{190}	16.2	X	104.81735	82.62052	271.90704	13.55255	0.1790884	0.23615082	2.5922472	20	—	—
399498 2002 TN_{203}	18.0	X	145.24667	188.50509	158.89515	8.70992	0.3114227	0.24360739	2.5390763	20	1 29.3	22.3
399499 2002 TA_{232}	16.1	X	71.59410	115.40242	246.09020	13.17019	0.2136249	0.23347491	2.6120165	20	—	—
399500 2002 TX_{277}	16.0	X	53.61161	101.48017	241.77823	11.76662	0.2081658	0.22799903	2.6536729	20	—	—
399501 2002 TN_{307}	17.0	X	56.27392	260.70944	133.77898	6.97012	0.0419570	0.23434899	2.6055175	20	—	—
399502 2002 TJ_{353}	17.9	X	115.74962	67.38874	294.80565	3.25993	0.2651949	0.24148257	2.5539488	20	1 16.1	21.3
399503 2002 TO_{377}	17.8	X	236.20479	120.86615	196.38005	2.67895	0.1902851	0.30801703	2.1714653	20	2 24.5	21.1
399504 2002 UA_{1}	17.6	X	314.49252	178.22561	251.95701	22.40569	0.2300198	0.38771584	1.8626318	20	—	—
399505 2002 UW_{7}	17.4	X	77.16167	237.63781	128.42140	7.27402	0.3160325	0.23378002	2.6097433	20	—	—
399506 2002 UN_{70}	16.9	X	21.43120	300.22577	81.61977	9.66212	0.1098683	0.22723821	2.6595928	20	—	—
399507 2002 VL_{3}	17.3	X	118.72610	42.89094	334.44352	3.65179	0.2634478	0.24049781	2.5609158	20	2 7.4	21.0
399508 2002 VX_{3}	16.0	X	126.91864	89.20280	243.58158	13.68147	0.1337161	0.23476804	2.6024160	20	—	—
399509 2002 VT_{6}	17.0	X	126.37524	88.88073	279.68533	3.57914	0.2657776	0.24069445	2.5595208	20	2 3.3	20.8
399510 2002 VU_{6}	16.6	X	111.49080	120.95644	241.54517	12.34033	0.1814356	0.23678644	2.5876061	20	—	—
399511 2002 VL_{27}	17.3	X	102.15307	141.31785	234.63249	11.58312	0.2940117	0.23737802	2.5833052	20	1 18.8	20.9
399512 2002 VL_{42}	17.8	X	82.32137	167.91768	227.83009	2.73354	0.2494940	0.23672355	2.5880644	20	1 11.6	20.6
399513 2002 VQ_{54}	16.7	X	88.59135	114.43806	258.25523	12.39966	0.1880092	0.23519984	2.5992299	20	—	—
399514 2002 VZ_{75}	17.3	X	18.81509	238.26656	146.28980	2.93228	0.2152291	0.22578336	2.6710054	20	—	—
399515 2002 VT_{86}	17.0	X	79.15622	168.68428	244.59171	13.33715	0.2448170	0.23744677	2.5828065	20	1 25.1	20.0
399516 2002 VL_{98}	17.5	X	215.39918	215.88970	243.55543	19.14497	0.1157667	0.37602822	1.9010305	20	8 19.3	20.2
399517 2002 VO_{131}	17.4	X	88.65170	150.10788	233.50501	4.74340	0.2495288	0.23557112	2.5964981	20	1 5.7	20.2
399518 2002 VN_{134}	16.9	X	120.66945	98.15470	260.86421	7.45142	0.1845597	0.23859422	2.5745190	20	1 6.6	20.4
399519 2002 WX_{4}	16.1	X	73.56908	82.86819	242.98635	25.09447	0.2866397	0.22648995	2.6654472	20	—	—
399520 2002 WM_{5}	16.9	X	38.19299	118.16828	255.87390	9.54101	0.2449991	0.22609661	2.6685377	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
399521 2002 WR_{18}	16.4	X	115.70326	269.31158	96.89240	15.96916	0.2461542	0.23855144	2.5748268	20	1 19.5	20.0
399522 2002 XD_{44}	16.3	X	247.80531	30.59025	63.41389	11.33103	0.0914205	0.21056644	2.7981863	20	9 23.5	20.3
399523 2002 XH_{73}	16.1	X	141.76279	92.67187	267.35043	10.81878	0.2066122	0.23954424	2.5677075	20	1 30.2	20.2
399524 2002 XV_{97}	16.1	X	38.06681	115.70195	252.89544	10.40228	0.1771080	0.22419894	2.6835746	20	—	—
399525 2002 YU_{27}	16.6	X	66.64438	133.90594	282.86578	12.46226	0.2445088	0.23207604	2.6225021	20	1 11.9	19.1
399526 2003 AA_{17}	17.6	X	163.20663	201.05203	285.03302	17.12749	0.2897410	0.36753532	1.9302045	20	7 29.2	21.0
399527 2003 BT_{23}	16.5	X	47.64098	168.16468	248.82433	11.62781	0.2629872	0.22753873	2.6572505	20	—	—
399528 2003 CE_{15}	17.4	X	324.52347	109.82464	109.55093	5.59940	0.2224521	0.28802108	2.2708400	20	1 21.8	20.2
399529 2003 EJ_{31}	17.4	X	314.03092	89.21548	120.36165	6.31633	0.0892340	0.28525496	2.2854966	20	1 15.3	20.0
399530 2003 GT_{34}	17.7	X	295.53073	82.41916	133.24766	5.87917	0.1886381	0.27884944	2.3203644	20	—	—
399531 2003 HH_{39}	17.4	X	290.34749	19.94744	225.99056	9.76939	0.1816359	0.28000583	2.3139715	20	1 19.5	20.9
399532 2003 HB_{55}	17.9	X	253.75655	5.47575	217.62403	0.77589	0.1290444	0.27296857	2.3535727	20	—	—
399533 2003 KG_{6}	17.9	X	265.47942	199.78258	56.54834	2.66283	0.2094857	0.27722323	2.3294299	20	1 9.1	21.6
399534 2003 KQ_{19}	17.1	X	136.28185	2.44697	244.05961	18.99792	0.0655824	0.36963910	1.9228738	20	12 26.0	19.5
399535 2003 KR_{28}	16.8	X	60.70521	132.73113	151.87993	9.37938	0.3267180	0.18684378	3.0302860	20	11 15.9	21.7
399536 2003 MV_{2}	18.4	X	221.02247	72.07937	233.43429	1.59685	0.2189490	0.27055034	2.3675763	20	1 31.3	22.5
399537 2003 NB_{9}	14.9	X	18.55505	357.29386	290.65774	29.38798	0.2644450	0.17479489	3.1679882	20	8 23.4	18.9
399538 2003 NK_{11}	16.2	X	339.17051	59.74630	297.28620	25.68179	0.1665769	0.17704411	3.1410997	20	9 1.7	20.3
399539 2003 OP_{33}	17.0	X	233.00816	354.22312	296.21594	13.71918	0.2491890	0.26896198	2.3768884	20	1 22.1	20.9
399540 2003 PT_{6}	15.8	X	356.79755	177.04194	160.33206	16.44839	0.2718404	0.17505726	3.1648220	20	10 7.4	18.9
399541 2003 PO_{7}	15.8	X	36.26916	7.57007	290.99058	11.71616	0.2134776	0.18067755	3.0988455	20	10 10.9	20.1
399542 2003 PF_{9}	17.4	X	174.16211	15.82266	317.41732	7.67998	0.2864194	0.26386349	2.4074088	20	2 1.1	21.4
399543 2003 QU_{1}	15.9	X	9.46284	76.11806	330.49356	11.66022	0.2824996	0.18477916	3.0528167	20	—	—
399544 2003 QH_{2}	14.9	X	358.95202	67.89748	285.25968	24.24413	0.3043278	0.17511202	3.1641622	20	10 26.9	18.6
399545 2003 QA_{14}	17.3	X	162.91890	80.65282	299.70740	11.04427	0.2040157	0.26720577	2.3872917	20	3 9.5	21.4
399546 2003 QW_{14}	16.7	X	330.08964	96.21903	277.46319	7.32145	0.2978312	0.17341471	3.1847750	20	9 9.6	19.5
399547 2003 QT_{24}	16.2	X	338.98432	175.75035	201.93794	6.44383	0.2563703	0.17488031	3.1669565	20	10 16.6	19.1
399548 2003 QY_{27}	15.5	X	22.66258	53.82971	291.65682	15.39636	0.2538564	0.18114113	3.0935561	20	12 1.0	19.6
399549 2003 QO_{45}	17.7	X	167.15687	26.02559	324.96532	1.89886	0.2189326	0.26413060	2.4057855	20	2 12.8	21.4
399550 2003 QC_{111}	15.8	X	8.20068	229.83830	111.02645	11.39496	0.2206347	0.17743267	3.1365122	20	11 1.3	19.5
399551 2003 RN_{9}	16.4	X	7.63612	31.48130	312.53236	12.43612	0.2646494	0.17691110	3.1426739	20	10 30.3	20.0
399552 2003 RM_{23}	16.7	X	212.88267	65.38033	263.53773	10.79033	0.1723742	0.26910417	2.3760510	20	2 18.0	20.8
399553 2003 RG_{27}	16.0	X	313.04401	257.06375	135.82431	14.06921	0.2845243	0.17125767	3.2114613	20	9 3.0	19.3
399554 2003 SB	16.9	X	137.77237	123.66474	242.38938	14.35102	0.2964471	0.26039936	2.4287125	20	2 6.6	21.1
399555 2003 SA_{27}	15.6	X	322.48486	52.21930	321.16793	14.48075	0.1264110	0.17466285	3.1695846	20	9 6.2	19.6
399556 2003 ST_{32}	17.0	X	164.20986	76.71456	317.39482	11.84997	0.2471321	0.26642394	2.3919598	20	3 29.3	21.3
399557 2003 SX_{44}	17.2	X	146.36110	80.81728	284.05200	1.38368	0.2036535	0.26052185	2.4279511	20	2 9.8	20.9
399558 2003 SR_{66}	17.5	X	179.85896	101.06408	239.66804	3.69768	0.2017000	0.26374463	2.4081320	20	2 8.7	21.5
399559 2003 SS_{70}	15.6	X	349.54693	39.70011	324.26819	18.52160	0.1198137	0.17733636	3.1376478	20	10 4.3	19.8
399560 2003 SC_{88}	17.9	X	99.78035	302.79958	68.08007	1.79358	0.2635276	0.25322301	2.4743850	20	1 4.7	20.6
399561 2003 SQ_{97}	15.7	X	300.19993	126.62413	269.50983	12.79051	0.1957629	0.16998796	3.2274333	20	8 18.9	20.0
399562 2003 SA_{102}	15.3	X	333.04483	48.54840	330.35107	25.84468	0.1644284	0.17476225	3.1683827	20	9 21.8	19.3
399563 2003 SH_{103}	17.5	X	188.42299	117.73692	222.90382	1.83646	0.2364370	0.26453573	2.4033286	20	2 17.4	21.6
399564 2003 SA_{117}	15.9	X	6.69460	129.58365	212.67472	13.68986	0.2927471	0.17624786	3.1505532	20	11 5.8	19.2
399565 2003 SZ_{128}	17.3	X	169.50234	24.85218	317.58133	6.39200	0.1416490	0.26273647	2.4142884	20	1 30.7	21.0
399566 2003 SD_{145}	15.8	X	332.46478	125.42905	242.93160	12.62034	0.2912834	0.17249778	3.1960511	20	9 5.9	19.0
399567 2003 SG_{167}	17.0	X	16.19859	346.13896	67.62915	7.46577	0.2650470	0.24402215	2.5361984	20	—	—
399568 2003 SQ_{172}	17.8	X	170.05945	180.15416	162.17449	1.44811	0.1970661	0.26247661	2.4158816	20	2 3.3	21.5
399569 2003 SO_{191}	17.2	X	4.68839	86.12780	208.19632	12.77958	0.4088158	0.17322095	3.1871495	20	9 6.0	19.8
399570 2003 SF_{196}	17.8	X	178.11205	28.02003	307.98559	3.85455	0.2669415	0.26160128	2.4212677	20	2 5.9	22.0
399571 2003 SY_{205}	17.4	X	182.29055	45.24551	305.23607	6.35074	0.2096112	0.26640806	2.3920549	20	2 22.5	21.3
399572 2003 SP_{210}	16.2	X	37.00529	134.85446	188.91937	15.42680	0.3211502	0.18152119	3.0892366	20	12 4.9	20.8
399573 2003 SP_{221}	17.2	X	159.43871	294.77572	80.79947	5.48345	0.1594058	0.26565993	2.3965437	20	3 5.6	20.8
399574 2003 SC_{246}	17.4	X	151.92528	344.01876	9.99579	6.81628	0.1950254	0.26030207	2.4293176	20	2 3.7	21.1
399575 2003 ST_{258}	17.6	X	199.86642	221.13096	110.36722	1.85088	0.3090106	0.26558577	2.3969898	20	2 17.1	22.0
399576 2003 SA_{261}	17.4	X	131.72351	187.15993	216.53759	6.72750	0.2197950	0.26308276	2.4121693	20	3 14.6	21.0
399577 2003 SP_{273}	15.7	X	353.56746	51.07438	282.27834	12.73571	0.2918166	0.17421854	3.1749713	20	9 12.4	18.8
399578 2003 SZ_{277}	16.6	X	320.26579	145.85773	227.91340	10.68538	0.1643101	0.17075595	3.2177489	20	8 29.6	20.5
399579 2003 SC_{298}	16.1	X	329.44135	111.07380	247.17235	12.81975	0.2312615	0.17095923	3.2151977	20	8 18.8	19.8
399580 2003 SL_{315}	15.7	X	323.88010	273.77588	98.00528	16.40999	0.2088701	0.17169789	3.2059697	20	9 11.8	19.5
399581 2003 SQ_{318}	18.0	X	189.41776	252.85680	110.33324	3.12162	0.2235750	0.26772274	2.3842175	20	3 18.0	22.0
399582 2003 ST_{322}	15.5	X	348.66090	83.62416	274.21696	10.71417	0.0766002	0.17789697	3.1310525	20	9 27.9	19.8
399583 2003 SG_{326}	17.9	X	198.29683	43.11400	266.56076	0.36502	0.1844217	0.26286140	2.4135234	20	1 18.8	21.8
399584 2003 SX_{330}	17.3	X	158.19505	225.13200	135.26428	4.49731	0.2042642	0.26125705	2.4233940	20	2 15.9	21.1
399585 2003 SH_{332}	17.6	X	134.85161	254.20559	138.96248	3.83558	0.1927020	0.26093464	2.4253898	20	3 4.7	21.0
399586 2003 TQ_{7}	16.8	X	130.82268	308.37585	80.72896	7.83387	0.1980523	0.26063722	2.4272346	20	2 27.9	20.4
399587 2003 TW_{9}	16.7	X	154.05087	105.51046	293.40775	20.73943	0.3534672	0.26420828	2.4053139	20	3 26.9	21.6
399588 2003 TE_{13}	17.3	X	164.71685	348.11291	19.24597	9.96509	0.2329442	0.26203102	2.4186197	20	3 6.0	21.3
399589 2003 TR_{44}	16.0	X	4.10821	49.93328	289.84334	6.27752	0.1799546	0.17320272	3.1873731	20	10 8.4	19.7
399590 2003 UK_{6}	15.9	X	311.62821	99.08649	275.28574	19.04332	0.1346562	0.16877869	3.2428309	20	8 14.1	20.3
399591 2003 UY_{67}	17.5	X	132.24213	282.57449	94.47031	5.79644	0.1904745	0.25848419	2.4406944	20	2 11.5	21.0
399592 2003 UM_{107}	14.9	X	355.40399	117.09904	243.04095	14.58442	0.0934827	0.17663617	3.1459342	20	10 13.9	19.1
399593 2003 UL_{121}	17.6	X	132.12991	358.15221	21.93476	1.23190	0.1986611	0.25913861	2.4365835	20	2 14.9	21.0
399594 2003 UH_{162}	17.3	X	145.03968	160.13690	225.45080	2.14965	0.2113283	0.26043645	2.4284819	20	3 5.3	21.0
399595 2003 US_{269}	17.7	X	109.06185	29.41800	18.93743	2.64474	0.1928249	0.25648879	2.4533365	20	2 24.9	20.8
399596 2003 UV_{318}	16.8	X	166.32536	50.16773	224.62515	13.45605	0.0276851	0.24657506	2.5186623	20	—	—
399597 2003 UN_{325}	15.6	X	357.03387	86.67501	238.20761	10.20761	0.0728724	0.17473301	3.1687362	20	8 29.0	19.9
399598 2003 UR_{341}	15.7	X	332.63161	115.45989	267.04701	9.62739	0.1573421	0.17757058	3.1348880	20	10 5.3	19.5
399599 2003 UO_{374}	17.7	X	101.27112	185.21132	223.99146	5.89487	0.0895468	0.26077995	2.4263489	20	1 27.0	20.7
399600 2003 UU_{416}	15.6	X	344.64326	138.50463	271.11236	6.42602	0.1755515	0.17782097	3.1319445	20	12 8.2	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
399601 2003 WL_{21}	16.5	X	153.44654	222.53253	137.00346	8.03321	0.1452121	0.25676788	2.4515584	20	2 5.3	20.0
399602 2003 WJ_{33}	16.8	X	336.64594	186.26734	242.68194	7.45301	0.1398261	0.23680709	2.5874557	20	—	—
399603 2003 WZ_{59}	16.2	X	229.47203	49.44869	55.82237	22.49010	0.0491778	0.22386565	2.6862375	20	9 30.3	20.4
399604 2003 WL_{61}	17.1	X	140.91042	321.74484	57.92693	7.45263	0.1631202	0.25712474	2.4492896	20	2 23.1	20.8
399605 2003 WO_{103}	15.5	X	203.91129	206.85707	256.73103	12.02502	0.1131591	0.15815926	3.3864107	20	7 30.5	20.9
399606 2003 WL_{108}	16.0	X	303.78477	244.65373	259.42340	27.68058	0.1722590	0.24081183	2.5586890	20	—	—
399607 2003 WD_{156}	16.8	X	152.92822	265.05055	94.53276	16.35962	0.2010621	0.25763674	2.4460435	20	2 13.6	20.8
399608 2003 YC_{31}	16.5	X	127.34652	259.59337	83.70541	14.54789	0.1158676	0.24626051	2.5208067	20	—	—
399609 2003 YT_{140}	16.4	X	306.30908	144.51412	9.41926	9.18333	0.1362465	0.23919886	2.5701786	20	—	—
399610 2003 YD_{148}	16.0	X	48.31924	76.60049	346.05646	10.72234	0.2096468	0.24299224	2.5433596	20	—	—
399611 2004 BE_{11}	19.2	X	190.01281	37.94580	138.27505	15.24882	0.1658659	0.70366601	1.2518674	20	—	—
399612 2004 BB_{51}	16.6	X	298.20273	206.60352	304.13923	14.50137	0.0721175	0.23366109	2.6106288	20	—	—
399613 2004 BQ_{65}	16.9	X	84.52899	267.52159	113.52941	6.15740	0.3465572	0.24509554	2.5287881	20	1 10.6	19.4
399614 2004 CH_{21}	16.4	X	354.93400	338.26840	133.15563	14.36550	0.1116134	0.23682658	2.5873137	20	—	—
399615 2004 CC_{37}	16.3	X	299.65200	195.64541	301.77104	14.78452	0.0460262	0.22970769	2.6404971	20	—	—
399616 2004 DZ_{19}	16.8	X	54.56248	309.16300	126.87164	4.72042	0.2301777	0.24280898	2.5446392	20	1 8.9	18.8
399617 2004 DL_{61}	16.6	X	274.80712	151.27580	340.49707	10.83801	0.1332020	0.22466622	2.6798524	20	12 9.2	19.9
399618 2004 DU_{76}	17.0	X	245.91535	197.91712	308.88286	2.02591	0.1846646	0.22240602	2.6979777	20	11 9.2	20.5
399619 2004 EG_{76}	16.5	X	318.25591	143.36584	339.14441	8.69024	0.0216085	0.22951781	2.6419532	20	—	—
399620 2004 FM_{115}	16.3	X	156.73048	189.44129	26.84373	14.22426	0.1179801	0.21445228	2.7642815	20	11 5.1	20.8
399621 2004 GC_{26}	18.1	X	322.18247	176.53677	69.72964	2.91180	0.2673038	0.30321176	2.1943472	20	2 16.3	20.4
399622 2004 GG_{32}	16.9	X	200.10636	311.21344	195.02882	7.50392	0.1602372	0.21294418	2.7773175	20	9 21.4	21.3
399623 2004 GJ_{85}	16.9	X	141.23516	205.06411	60.02815	10.61863	0.1345839	0.21534318	2.7566521	20	12 20.2	21.3
399624 2004 HM_{58}	18.2	X	266.25065	80.00863	218.84743	5.50130	0.2263351	0.29949911	2.2124444	20	2 25.4	21.6
399625 2004 MK_{4}	17.6	X	14.33191	232.91920	97.09020	23.12584	0.0691580	0.38087351	1.8848735	20	11 27.9	19.7
399626 2004 NX_{6}	15.8	X	302.71586	226.41871	137.66725	19.12901	0.3182568	0.17822461	3.1272140	20	6 28.9	19.9
399627 2004 NG_{18}	16.6	X	13.17282	61.49446	264.76747	7.20057	0.3063021	0.19126612	2.9833945	20	10 31.8	19.8
399628 2004 NM_{23}	18.0	X	219.70517	91.44322	247.77957	4.17998	0.2771055	0.28974393	2.2618293	20	3 6.8	22.0
399629 2004 NY_{26}	17.2	X	64.43348	187.16678	137.30442	10.18578	0.3265434	0.19868156	2.9086915	20	—	—
399630 2004 OH_{3}	17.6	X	282.40070	35.02714	302.34061	7.64417	0.2713120	0.30070324	2.2065341	20	4 27.0	20.7
399631 2004 OH_{15}	15.4	X	346.00572	281.64915	41.87819	22.56383	0.2254752	0.18163870	3.0879040	20	8 31.9	19.0
399632 2004 PL_{2}	18.5	X	209.54677	280.04723	74.32806	6.55153	0.3589619	0.28820227	2.2698881	20	3 22.5	22.9
399633 2004 PZ_{21}	15.5	X	282.45043	250.02078	135.64857	16.90625	0.2452140	0.18097038	3.0955017	20	7 8.9	19.9
399634 2004 PS_{31}	17.3	X	214.79275	194.21157	134.24971	7.63423	0.1628612	0.28715863	2.2753846	20	2 23.7	20.7
399635 2004 PY_{46}	17.7	X	253.56511	22.55728	300.39055	4.52207	0.1676166	0.29301433	2.2449679	20	3 20.9	21.1
399636 2004 PD_{49}	16.2	X	312.16111	247.97057	127.94157	17.20440	0.2892603	0.18352472	3.0667121	20	8 7.2	19.4
399637 2004 PQ_{68}	17.7	X	184.72735	201.42645	167.82166	9.27656	0.2870578	0.28594160	2.2818363	20	3 21.4	21.8
399638 2004 PV_{111}	17.6	X	9.71248	175.98539	173.80286	21.98586	0.0893023	0.37723393	1.8969777	20	12 18.2	20.1
399639 2004 QK_{4}	16.5	X	11.63874	233.65446	88.60043	15.67978	0.2639231	0.18990266	2.9976576	20	10 26.3	20.0
399640 2004 QL_{10}	18.1	X	196.22984	251.94591	104.44372	7.08245	0.2752777	0.28598078	2.2816279	20	3 16.3	22.2
399641 2004 QU_{11}	17.7	X	218.67592	233.71276	82.98552	6.16748	0.2167488	0.28635744	2.2796267	20	2 13.1	21.5
399642 2004 QP_{19}	15.7	X	311.14236	228.63715	90.06015	25.62752	0.2341868	0.17725562	3.1386005	20	5 30.5	19.8
399643 2004 RC_{3}	15.8	X	337.61322	124.46318	236.36103	21.23133	0.1768338	0.18474728	3.0531679	20	9 12.7	19.6
399644 2004 RJ_{16}	17.6	X	219.29365	340.69299	7.79084	7.04106	0.1636810	0.28954870	2.2628458	20	3 23.5	20.9
399645 2004 RS_{22}	16.2	X	337.08601	229.07946	160.41110	7.87255	0.1794972	0.18924670	3.0045805	20	11 3.5	19.4
399646 2004 RB_{72}	17.9	X	225.11721	126.01646	199.43207	2.26043	0.2608408	0.28759680	2.2730728	20	2 24.9	21.8
399647 2004 RC_{74}	18.1	X	161.02967	195.82587	170.80713	5.71564	0.1645698	0.28071606	2.3100668	20	2 20.3	21.6
399648 2004 RN_{86}	17.6	X	159.06733	358.64718	2.84031	2.55826	0.2363850	0.28110938	2.3079115	20	2 18.9	21.3
399649 2004 RU_{100}	17.5	X	150.22056	194.53367	187.15749	6.27492	0.1792419	0.28087308	2.3092058	20	2 29.5	21.0
399650 2004 RJ_{127}	17.0	X	342.27066	182.78415	193.08296	2.71696	0.1904977	0.18799276	3.0179263	20	10 23.9	20.1
399651 2004 RG_{152}	16.0	X	314.64870	66.17756	288.89184	15.33555	0.2461512	0.18113228	3.0936569	20	7 18.6	19.5
399652 2004 RW_{153}	16.2	X	343.34531	144.20904	191.60221	14.23396	0.3293974	0.18344788	3.0675683	20	8 24.2	18.6
399653 2004 RR_{167}	16.6	X	2.35507	246.46838	128.93053	9.29674	0.2518973	0.19069747	2.9893224	20	12 11.0	19.9
399654 2004 RS_{172}	17.4	X	152.87520	131.94153	285.18679	6.01050	0.0637916	0.28860358	2.2677834	20	4 5.9	20.5
399655 2004 RR_{175}	18.3	X	237.59219	151.16880	205.01597	6.63903	0.2990085	0.29322358	2.2438998	20	4 10.6	22.2
399656 2004 RR_{177}	16.2	X	296.88761	164.77683	198.51113	10.53276	0.2277452	0.17777417	3.1324942	20	7 1.4	20.3
399657 2004 RJ_{183}	17.6	X	196.17053	7.94601	329.76875	3.78700	0.2286503	0.28302991	2.2974593	20	2 18.9	21.5
399658 2004 RC_{185}	17.6	X	172.92408	146.21535	261.84551	4.92146	0.1501267	0.28808296	2.2705148	20	4 23.4	21.0
399659 2004 RG_{188}	15.9	X	10.58637	119.89792	232.72271	8.10136	0.1450146	0.18852401	3.0122541	20	11 8.1	19.4
399660 2004 RU_{188}	17.4	X	197.84094	126.63685	242.67827	6.36608	0.1260743	0.28652489	2.2787384	20	3 27.2	20.9
399661 2004 RL_{198}	16.6	X	352.08302	114.69626	261.59121	7.24675	0.2540762	0.18785535	3.0193978	20	11 18.8	19.5
399662 2004 RB_{205}	16.5	X	34.63300	358.26584	310.56964	10.61538	0.2788329	0.18917503	3.0053393	20	11 4.2	20.7
399663 2004 RU_{208}	15.6	X	252.82841	164.80600	232.85342	15.90282	0.1349782	0.17440830	3.1726679	20	7 1.1	20.5
399664 2004 RC_{236}	17.7	X	248.91275	118.84128	226.54145	1.83784	0.1882983	0.29227157	2.2487698	20	4 14.9	20.9
399665 2004 RQ_{245}	16.9	X	284.04848	281.32484	85.98877	2.04581	0.1835511	0.17589872	3.1547208	20	6 26.4	21.2
399666 2004 RT_{252}	18.1	X	45.05953	122.52460	194.60187	22.64351	0.1062447	0.37850096	1.8927419	20	12 19.3	20.9
399667 2004 RV_{266}	18.3	X	261.94150	325.53121	334.81896	4.77753	0.0590521	0.28862163	2.2676889	20	3 13.8	21.0
399668 2004 RH_{336}	16.1	X	231.65240	259.82497	210.61509	10.42993	0.0758195	0.18067776	3.0988431	20	9 13.6	20.7
399669 2004 RE_{338}	16.2	X	45.53912	83.32992	193.84289	11.49976	0.2408887	0.18359535	3.0659255	20	10 7.3	20.4
399670 2004 RR_{343}	15.6	X	323.93431	296.73277	100.28434	12.95323	0.1401122	0.18561937	3.0435973	20	10 23.2	19.3
399671 2004 SW_{3}	17.5	X	253.33503	139.30891	180.44823	4.49082	0.1755820	0.29046682	2.2580750	20	3 18.2	20.8
399672 2004 SF_{5}	18.1	X	254.73696	303.25539	7.05372	7.42748	0.2205019	0.29025071	2.2591957	20	3 5.7	21.5
399673 Kadenyuk	15.6	X	311.81121	286.70963	106.20300	11.99586	0.1373582	0.18292916	3.0733646	20	9 25.4	19.5
399674 2004 SN_{25}	15.8	X	97.66154	196.91026	23.66189	11.27980	0.0294114	0.17780425	3.1321409	20	9 4.7	20.4
399675 2004 SO_{38}	17.6	X	166.89761	339.09191	17.14347	6.46687	0.2027686	0.27905283	2.3192368	20	2 19.0	21.3
399676 2004 SN_{42}	17.7	X	272.00535	16.93769	292.08167	2.64939	0.1620777	0.29241156	2.2480520	20	3 24.1	20.6
399677 2004 SN_{44}	16.7	X	9.14449	87.50974	258.50900	2.61827	0.2084815	0.18790415	3.0188750	20	11 5.1	20.2
399678 2004 SO_{54}	16.3	X	355.71954	285.74185	95.60860	13.68673	0.2672894	0.18611089	3.0382362	20	12 6.9	19.5
399679 2004 TT_{17}	16.0	X	327.86420	321.56646	29.80591	9.59959	0.0786388	0.17605011	3.1529120	20	8 29.1	20.1
399680 2004 TP_{21}	16.7	X	332.91638	85.47060	287.25663	6.70661	0.1452750	0.18397991	3.0616517	20	9 25.2	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
399681 2004 TR_{24}	18.3	X	199.66208	104.45668	207.87624	3.64454	0.1666152	0.27912692	2.3188264	20	1 19.9	22.0
399682 2004 TJ_{43}	17.5	X	177.32787	106.05536	221.96281	7.21498	0.1540568	0.27516516	2.3410306	20	1 17.6	21.2
399683 2004 TU_{48}	17.9	X	124.46854	312.60934	61.14328	1.53580	0.2240659	0.27264651	2.3554258	20	1 31.0	21.1
399684 2004 TE_{57}	16.6	X	296.46600	150.33211	199.94075	9.97144	0.0946948	0.17393575	3.1784117	20	7 3.6	21.0
399685 2004 TH_{71}	15.9	X	357.23550	151.49896	211.84985	13.16629	0.1303401	0.18602822	3.0391362	20	10 29.8	19.3
399686 2004 TS_{72}	17.3	X	187.28366	325.05624	59.94994	8.20033	0.2321214	0.28546070	2.2843983	20	4 12.9	21.1
399687 2004 TY_{74}	15.5	X	319.88686	172.21283	216.64209	9.52634	0.1993419	0.18107297	3.0943324	20	9 19.5	18.9
399688 2004 TM_{76}	18.1	X	177.12931	254.95304	143.92775	1.99265	0.1598185	0.28650272	2.2788560	20	4 18.3	21.6
399689 2004 TT_{87}	17.9	X	243.11980	113.65508	179.38962	1.60603	0.0897626	0.28199378	2.3030835	20	2 8.9	21.2
399690 2004 TN_{98}	16.5	X	337.26991	331.35097	47.46729	2.36588	0.2344703	0.18419185	3.0593026	20	10 17.3	19.4
399691 2004 TT_{98}	16.3	X	35.41243	254.61001	31.75246	11.49471	0.2288445	0.18279140	3.0749086	20	10 5.8	20.2
399692 2004 TW_{101}	16.2	X	323.13026	321.11170	56.21636	1.67727	0.1772658	0.18056572	3.1001248	20	9 15.5	19.6
399693 2004 TT_{102}	17.9	X	163.69380	177.55557	223.17516	4.14499	0.1942269	0.28231007	2.3013631	20	4 7.9	21.6
399694 2004 TL_{118}	16.0	X	305.32491	203.58270	201.61152	10.17022	0.1357323	0.18501571	3.0502140	20	9 23.7	19.7
399695 2004 TP_{144}	16.0	X	306.18174	129.57522	228.97997	13.17384	0.2350364	0.17478949	3.1680535	20	7 7.3	20.1
399696 2004 TM_{148}	16.5	X	25.72654	68.88891	248.09773	3.30870	0.1704773	0.18519640	3.0482297	20	10 18.5	20.2
399697 2004 TZ_{148}	16.6	X	23.29005	22.53400	344.10714	2.50843	0.0882426	0.19114208	2.9846851	20	12 7.1	20.5
399698 2004 TG_{161}	16.1	X	3.69838	290.35454	32.16928	11.64870	0.1824418	0.17993996	3.1073080	20	9 24.3	19.6
399699 2004 TH_{183}	16.0	X	11.98726	100.14874	216.48179	7.53080	0.0430322	0.18100265	3.0951338	20	9 10.2	20.2
399700 2004 TG_{207}	17.2	X	200.34298	149.10636	214.11331	6.42893	0.1258065	0.28209270	2.3025451	20	3 23.2	20.6
399701 2004 TH_{236}	16.0	X	259.10673	249.99592	196.03943	8.28563	0.1275752	0.17958312	3.1114229	20	9 9.9	20.4
399702 2004 TQ_{253}	18.6	X	237.52635	98.84152	193.78159	3.13192	0.2268747	0.28360789	2.2943368	20	1 27.1	22.4
399703 2004 TQ_{277}	16.4	X	3.54437	146.19151	210.30852	4.59940	0.1974089	0.18414167	3.0598584	20	11 7.5	19.6
399704 2004 TP_{282}	17.9	X	244.40036	167.13256	164.38928	4.28326	0.2034558	0.28910563	2.2651572	20	3 23.3	21.2
399705 2004 TJ_{300}	15.6	X	314.09236	96.71200	284.82083	8.93119	0.1259926	0.17901671	3.1179824	20	9 3.5	19.6
399706 2004 TE_{302}	15.8	X	306.68864	118.25639	227.12218	12.00649	0.1004086	0.17466066	3.1696111	20	7 10.1	20.1
399707 2004 TR_{337}	16.8	X	323.31896	160.10750	191.47866	10.20089	0.1057534	0.17911780	3.1168092	20	8 13.2	20.8
399708 2004 TV_{360}	18.6	X	236.03836	230.99121	68.59911	2.51600	0.2407154	0.28526118	2.2854634	20	2 4.4	22.4
399709 2004 TJ_{367}	17.7	X	65.38920	42.44536	1.31232	2.15369	0.1810532	0.26476289	2.4019538	20	—	—
399710 2004 TL_{370}	18.0	X	216.20525	297.09833	57.64597	3.08724	0.1841209	0.28615300	2.2807123	20	3 29.1	21.6
399711 2004 UH_{7}	15.5	X	323.87915	135.86939	216.73155	27.19920	0.2104221	0.17835003	3.1257478	20	7 29.9	19.7
399712 2004 VS_{4}	15.5	X	302.28987	180.83266	263.44091	14.38719	0.1838654	0.18546263	3.0453118	20	11 3.0	19.2
399713 2004 VN_{18}	17.2	X	149.42485	129.80037	233.60768	5.91344	0.1531052	0.27402055	2.3475452	20	2 2.5	20.6
399714 2004 VK_{27}	17.1	X	292.33341	43.44828	258.08089	4.75878	0.2927579	0.29268802	2.2466362	20	3 18.9	20.3
399715 2004 VE_{36}	17.8	X	223.45934	68.09450	243.52442	2.06968	0.2326197	0.28033597	2.3121544	20	2 8.1	21.8
399716 2004 VY_{50}	17.7	X	145.65135	315.20107	101.12029	4.71119	0.1592132	0.27962894	2.3160502	20	4 11.7	21.1
399717 2004 VK_{60}	15.8	X	292.98452	165.43389	236.04723	7.84526	0.0657556	0.17676520	3.1444030	20	9 5.0	20.2
399718 2004 VD_{70}	16.9	X	346.14377	98.90992	59.28438	7.01398	0.0546971	0.26992126	2.3712535	20	—	—
399719 2004 VM_{75}	17.9	X	62.73050	104.32226	246.20946	19.55417	0.0577042	0.38162329	1.8824039	20	—	—
399720 2004 WU_{4}	16.7	X	279.94227	152.65078	265.64484	10.24525	0.1682322	0.17530619	3.1618253	20	8 23.2	21.1
399721 2004 WY_{7}	17.4	X	188.55992	299.32219	60.87002	7.14041	0.1519348	0.27978447	2.3151918	20	3 13.7	21.0
399722 2004 WH_{8}	16.2	X	359.82569	131.34408	226.30791	6.23833	0.1733863	0.18257604	3.0773262	20	10 29.3	19.5
399723 2004 XH_{7}	17.0	X	109.30385	155.89586	283.01606	6.40237	0.1442019	0.27464811	2.3439678	20	3 23.3	20.1
399724 2004 XS_{56}	16.4	X	350.76045	76.88563	283.09172	12.33915	0.3197045	0.17965323	3.1106134	20	10 22.5	19.3
399725 2004 XX_{64}	16.1	X	346.27953	90.39943	282.66535	10.72421	0.2492851	0.18170570	3.0871449	20	10 25.1	19.3
399726 2004 XL_{83}	16.1	X	272.83268	171.26429	254.13753	7.47445	0.2324094	0.17649022	3.1476682	20	8 14.9	20.6
399727 2004 XA_{109}	15.5	X	223.34344	206.96806	271.81290	28.59849	0.1969196	0.17223080	3.1993531	20	8 19.2	21.1
399728 2004 XT_{124}	16.9	X	337.90373	343.28784	43.58046	2.80185	0.2844140	0.18117637	3.0931550	20	10 30.6	19.3
399729 2004 YH_{20}	15.6	X	297.16950	295.25243	113.42074	27.52198	0.2339303	0.17334417	3.1856390	20	9 7.2	19.8
399730 2005 AB_{3}	17.4	X	278.50705	176.00959	302.47862	17.88145	0.0766938	0.37116664	1.9175944	20	—	—
399731 2005 AC_{27}	17.5	X	107.86866	96.70361	120.37297	24.75075	0.0939162	0.35494730	1.9755747	20	10 21.4	20.7
399732 2005 AM_{36}	17.0	X	71.60837	175.07082	273.25827	8.75610	0.1775610	0.26489598	2.4011491	20	2 14.9	19.5
399733 2005 BJ_{10}	17.2	X	15.40804	26.87497	128.57165	5.61880	0.1670989	0.26319105	2.4115076	20	2 3.2	19.0
399734 2005 BM_{28}	17.3	X	219.16923	242.86629	280.94821	5.51066	0.1693091	0.23579855	2.5948283	20	11 2.9	21.2
399735 2005 DD_{1}	16.7	X	226.68055	84.96166	93.45867	28.41575	0.3749578	0.23556508	2.5965426	20	11 17.7	21.3
399736 2005 DA_{2}	16.2	X	202.85123	199.69371	323.94094	12.86531	0.1082286	0.23086127	2.6316936	20	10 17.2	20.4
399737 2005 EL_{22}	17.0	X	182.09664	35.51182	162.94487	7.86183	0.1583854	0.23141864	2.6274663	20	11 12.7	21.2
399738 2005 EH_{166}	17.4	X	246.19087	336.36888	178.42427	8.90778	0.1021385	0.23560105	2.5962782	20	12 7.2	20.8
399739 2005 EV_{187}	16.2	X	102.39119	294.18458	11.25705	12.90305	0.2115831	0.22858976	2.6490991	20	—	—
399740 2005 EM_{211}	17.0	X	212.65034	182.31244	344.67542	13.23931	0.1017822	0.23406936	2.6075922	20	11 3.7	21.0
399741 2005 EB_{227}	17.3	X	160.55591	246.41196	343.51573	1.89427	0.0856965	0.23164014	2.6257911	20	12 1.4	21.2
399742 2005 EV_{227}	16.9	X	229.88081	10.96349	143.02183	13.93018	0.1949399	0.23263594	2.6182926	20	11 5.5	20.9
399743 2005 ET_{241}	16.9	X	234.18115	140.18126	92.91386	6.68791	0.1539837	0.24592221	2.5231179	20	—	—
399744 2005 EJ_{325}	17.4	X	150.32368	90.46786	190.88984	12.09500	0.2417123	0.23267535	2.6179970	20	—	—
399745 Ouchaou	16.8	X	105.80182	224.61748	24.61377	8.20785	0.2144497	0.22096288	2.7097122	20	11 3.8	21.4
399746 2005 GM_{30}	16.3	X	85.87016	81.89354	176.98015	11.52456	0.0956132	0.22141085	2.7060560	20	10 20.3	20.2
399747 2005 GN_{48}	17.2	X	156.67312	217.40678	47.92088	3.25406	0.1981219	0.23167015	2.6255643	20	—	—
399748 2005 GH_{74}	16.4	X	247.00874	357.72882	127.46312	6.62274	0.2729878	0.23295478	2.6159029	20	10 6.8	20.2
399749 2005 GG_{132}	17.4	X	165.12288	114.63223	93.07352	2.98394	0.0660194	0.22591517	2.6699663	20	11 9.9	21.2
399750 2005 GX_{133}	17.8	X	149.61349	112.12608	197.81621	11.40840	0.1783042	0.23738871	2.5832276	20	—	—
399751 2005 GR_{148}	17.5	X	137.15240	64.47035	173.50615	6.28360	0.2293058	0.22334990	2.6903713	20	11 18.4	22.2
399752 2005 GH_{193}	18.2	X	135.09373	192.57631	184.67342	0.87754	0.1799796	0.26084786	2.4259278	20	2 11.4	21.4
399753 2005 GM_{220}	17.2	X	198.36538	49.48586	131.03805	7.90634	0.1837778	0.22947181	2.6423063	20	11 4.9	21.5
399754 2005 HH_{2}	17.0	X	202.66413	340.37637	192.70468	12.84721	0.1859404	0.22755318	2.6571380	20	10 28.8	21.1
399755 2005 JD_{8}	17.3	X	208.40728	115.41801	51.36952	2.65061	0.0351705	0.22657741	2.6647613	20	11 11.0	20.9
399756 2005 JH_{21}	16.4	X	110.58114	80.67052	227.03717	11.73388	0.2715308	0.22598356	2.6694277	20	—	—
399757 2005 JE_{55}	17.0	X	212.69533	128.70768	79.08275	13.90419	0.1121826	0.23102762	2.6304302	20	12 28.2	20.6
399758 2005 JO_{91}	16.6	X	230.32876	178.76422	9.75171	14.83553	0.1919436	0.23460924	2.6035903	20	12 13.4	20.5
399759 2005 JH_{99}	16.8	X	117.11551	260.59672	101.85778	11.39559	0.2264871	0.23687758	2.5869423	20	1 13.6	20.2
399760 2005 JK_{106}	17.1	X	193.48503	132.89451	96.35433	14.46660	0.2632434	0.23219369	2.6216162	20	12 19.8	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
399761 2005 JW_{117}	16.9	X	114.26223	190.04780	96.32944	8.36467	0.1030277	0.22484203	2.6784552	20	12 22.0	21.0
399762 2005 JZ_{142}	17.1	X	214.30224	125.22141	81.79758	13.10830	0.1080374	0.23355328	2.6114321	20	12 30.5	20.7
399763 2005 JS_{157}	17.1	X	127.05283	49.17520	221.09637	11.73546	0.2506728	0.22329573	2.6908063	20	12 16.6	22.0
399764 2005 JS_{167}	17.8	X	168.31824	97.00823	172.97772	6.57708	0.2598011	0.23090615	2.6313526	20	—	—
399765 2005 JL_{175}	16.8	X	205.59716	84.47041	169.30565	13.20421	0.1409593	0.23637821	2.5905844	20	—	—
399766 2005 LF_{18}	17.2	X	161.33263	37.85441	231.52530	12.14262	0.1538019	0.22940762	2.6427992	20	—	—
399767 2005 MT_{4}	16.0	X	94.22620	75.32079	301.11218	11.27845	0.2870087	0.22280724	2.6947378	20	1 14.5	19.2
399768 2005 ML_{5}	16.6	X	113.53488	219.79633	103.78404	14.82920	0.2625614	0.22607163	2.6687343	20	—	—
399769 2005 MA_{9}	16.2	X	159.29320	320.69270	284.80377	14.96278	0.1479497	0.22059421	2.7127304	20	12 15.0	20.7
399770 2005 MU_{27}	16.1	X	59.51345	355.22124	277.70479	16.11164	0.0807371	0.20484608	2.8500400	20	9 20.2	20.4
399771 2005 ML_{50}	16.6	X	35.62423	213.71910	136.08337	4.95936	0.1103974	0.21179001	2.7873986	20	12 11.5	20.3
399772 2005 ME_{54}	16.6	X	160.33882	122.61173	156.90321	14.83061	0.2224467	0.22543573	2.6737506	20	—	—
399773 2005 NV_{4}	17.3	X	122.17632	169.11461	122.10680	3.72525	0.3012248	0.22026842	2.7154047	20	—	—
399774 2005 NB_{7}	18.7	X	57.75364	348.19232	199.19365	12.69278	0.5170882	0.33709851	2.0447089	20	8 14.7	22.0
399775 2005 NS_{8}	16.8	X	25.61439	90.69962	293.00501	4.40587	0.1266593	0.21444881	2.7643113	20	—	—
399776 2005 NM_{26}	16.8	X	135.57228	137.78256	131.90887	8.13813	0.1387886	0.22030868	2.7150738	20	12 22.2	21.2
399777 2005 NZ_{28}	16.4	X	139.27874	327.28266	288.47029	7.53196	0.1171732	0.21653015	2.7465687	20	12 7.9	20.7
399778 2005 NL_{32}	15.9	X	115.19720	46.32990	262.44119	10.65399	0.0929210	0.22115586	2.7081357	20	—	—
399779 2005 NM_{33}	17.0	X	71.65144	64.98077	299.24012	9.28365	0.2405035	0.21902154	2.7257007	20	—	—
399780 2005 NJ_{34}	16.5	X	104.87347	14.66074	304.96330	7.20798	0.0936148	0.22016088	2.7162888	20	—	—
399781 2005 ND_{47}	17.1	X	71.34122	285.02398	112.66623	13.73825	0.2798980	0.22426415	2.6830544	20	1 3.0	19.5
399782 2005 NZ_{54}	17.2	X	76.05456	147.43661	204.81472	2.71178	0.1986476	0.21849799	2.7300530	20	—	—
399783 2005 NO_{55}	16.2	X	120.10439	216.37699	87.40338	15.95748	0.1560010	0.22199601	2.7012987	20	—	—
399784 2005 NG_{60}	16.7	X	90.54130	189.08164	117.05221	9.36265	0.0266248	0.21600819	2.7509914	20	12 13.9	20.6
399785 2005 NM_{63}	16.9	X	139.38071	153.65590	118.82099	7.45202	0.1671405	0.22161597	2.7043860	20	12 28.6	21.3
399786 2005 OT_{8}	17.0	X	97.85714	40.51345	287.58503	8.68168	0.1225401	0.21953430	2.7214548	20	—	—
399787 2005 OZ_{16}	15.8	X	290.16824	88.49827	291.33378	15.21595	0.1107918	0.19484409	2.9467586	20	7 31.6	19.6
399788 2005 OE_{23}	16.5	X	28.43795	179.27563	147.26892	16.24367	0.1519482	0.20680509	2.8320130	20	11 12.2	20.5
399789 2005 PK_{7}	16.9	X	106.23346	200.66448	128.76484	11.26840	0.2863474	0.21954395	2.7213751	20	—	—
399790 2005 PE_{10}	16.8	X	96.10704	12.62303	352.76731	7.62915	0.1573225	0.22297547	2.6933822	20	—	—
399791 2005 QJ_{41}	16.3	X	61.83494	174.42085	175.96105	13.84844	0.1966148	0.21223359	2.7835133	20	—	—
399792 2005 QE_{50}	16.5	X	47.66979	336.74846	17.83414	4.65734	0.2129085	0.20944560	2.8081603	20	—	—
399793 2005 QK_{71}	16.4	X	61.51882	196.65583	171.32846	9.03125	0.2120056	0.21304305	2.7764581	20	—	—
399794 2005 QG_{78}	16.7	X	68.06280	15.11604	308.17103	1.76448	0.1640731	0.20905137	2.8116896	20	12 22.1	20.9
399795 2005 QY_{91}	16.4	X	46.42514	90.51294	262.75821	3.26046	0.2147274	0.21002483	2.8029947	20	—	—
399796 2005 QV_{107}	17.0	X	54.29859	61.81476	289.32767	3.32161	0.0817997	0.21106987	2.7937350	20	12 31.3	20.9
399797 2005 QJ_{110}	17.1	X	44.19388	163.02900	173.95542	2.11089	0.0721534	0.20677088	2.8323253	20	11 29.6	20.9
399798 2005 QS_{130}	16.2	X	248.93037	230.62901	147.74568	12.03150	0.1249058	0.18403876	3.0609990	20	6 8.2	21.0
399799 2005 QV_{177}	16.2	X	271.06608	246.00690	147.52839	9.10466	0.1707683	0.18827167	3.0149451	20	7 15.3	20.5
399800 2005 RQ_{4}	16.8	X	73.21862	351.40949	337.81196	7.56111	0.2260223	0.21297686	2.7770334	20	—	—
399801 2005 RH_{45}	16.2	X	54.35620	239.96324	137.81858	13.64775	0.1803979	0.21249416	2.7812373	20	—	—
399802 2005 RJ_{45}	16.3	X	46.35719	251.84288	106.69770	10.15658	0.1881743	0.20908596	2.8113794	20	—	—
399803 2005 SZ_{3}	17.0	X	6.86367	355.35890	37.77095	2.47435	0.0957088	0.20630786	2.8365615	20	12 23.2	20.6
399804 2005 SR_{12}	16.0	X	120.10462	81.95472	223.29422	12.00418	0.2715245	0.21643932	2.7473370	20	—	—
399805 2005 SG_{48}	16.9	X	324.29808	92.39930	308.53637	2.28839	0.0960684	0.19874073	2.9081143	20	10 25.6	20.5
399806 2005 SC_{54}	16.7	X	278.29983	11.29149	22.34839	0.68989	0.0743871	0.18813966	3.0163552	20	8 9.7	20.6
399807 2005 SM_{74}	18.5	X	292.54313	264.97762	4.65437	2.14408	0.1763088	0.30922824	2.1657914	20	2 22.6	21.0
399808 2005 ST_{78}	16.9	X	338.57639	326.72756	21.24100	5.38489	0.1288398	0.19437826	2.9514647	20	9 9.8	20.2
399809 2005 SN_{79}	16.8	X	276.25320	288.63791	182.80389	19.59110	0.0815563	0.20384656	2.8593487	20	11 19.6	20.8
399810 2005 SY_{81}	16.0	X	177.62205	282.60237	182.41135	21.10815	0.2024277	0.18068124	3.0988033	20	7 8.6	21.7
399811 2005 SZ_{86}	16.5	X	161.64770	86.01167	26.52954	4.91447	0.0967995	0.18028033	3.1033957	20	7 4.8	21.3
399812 2005 SB_{108}	18.0	X	114.82002	202.88779	206.64913	2.64626	0.1431806	0.29533504	2.2331920	20	2 19.4	20.7
399813 2005 ST_{118}	16.6	X	81.13967	191.55116	165.75147	14.22252	0.2019671	0.21515521	2.7582575	20	—	—
399814 2005 SE_{133}	18.7	X	298.86608	122.28389	209.15268	2.32985	0.2197066	0.31858617	2.1231700	20	5 24.7	20.5
399815 2005 SF_{170}	16.3	X	38.75278	186.60220	197.26669	13.40779	0.1877262	0.21204834	2.7851342	20	—	—
399816 2005 SN_{180}	16.7	X	23.66507	208.08833	179.01115	5.13674	0.1671632	0.20936190	2.8089087	20	—	—
399817 2005 SF_{202}	15.9	X	302.63251	114.59596	259.14135	8.77630	0.1160882	0.19257299	2.9698816	20	8 9.4	19.7
399818 2005 SR_{204}	16.8	X	25.53559	146.95187	266.47883	8.00569	0.2877157	0.21205028	2.7851173	20	—	—
399819 2005 SW_{253}	16.7	X	73.76894	134.29109	171.90256	8.66933	0.2792406	0.21087442	2.7954611	20	12 18.6	21.4
399820 2005 SV_{275}	18.1	X	350.45801	241.04489	3.26047	6.95149	0.1827903	0.31262264	2.1500857	20	4 20.7	19.6
399821 2005 ST_{278}	17.2	X	120.75247	93.10245	212.87056	16.41230	0.3601801	0.21684064	2.7439462	20	—	—
399822 2005 SV_{288}	16.2	X	88.12242	122.29387	150.07191	13.47143	0.0734519	0.19737300	2.9215336	20	11 4.4	20.7
399823 2005 SR_{292}	16.4	X	271.36055	7.90524	18.29325	2.75544	0.1082615	0.18401581	3.0612535	20	7 16.6	20.6
399824 2005 TR_{7}	17.0	X	198.61282	277.98049	168.29338	2.69201	0.0565443	0.18153498	3.0890801	20	7 11.6	21.5
399825 2005 TJ_{8}	16.6	X	333.66379	135.27772	188.68788	9.54679	0.0490981	0.18632010	3.0359613	20	7 27.9	20.8
399826 2005 TN_{34}	16.4	X	243.39979	247.22046	176.94768	9.75683	0.1193219	0.18738564	3.0244415	20	7 27.1	21.0
399827 2005 TV_{83}	16.8	X	276.74122	84.18466	358.21296	8.79821	0.0902571	0.19662182	2.9289699	20	10 7.1	20.8
399828 2005 TE_{94}	16.2	X	204.15558	246.50925	214.43776	14.60570	0.0569974	0.18640082	3.0350848	20	8 1.4	21.0
399829 2005 TN_{96}	16.9	X	335.23542	355.82139	348.90096	2.89845	0.1731875	0.19109159	2.9852108	20	8 26.6	20.0
399830 2005 TV_{106}	16.9	X	87.73638	99.57348	184.95270	5.21106	0.0879581	0.20070690	2.8890908	20	11 17.6	21.1
399831 2005 TF_{120}	16.2	X	24.93326	259.44782	20.58605	9.10531	0.1041098	0.18992535	2.9974188	20	8 26.5	20.0
399832 2005 TD_{126}	17.0	X	328.25840	167.62567	187.75779	0.53162	0.1784103	0.19176063	2.9782633	20	8 26.8	20.2
399833 2005 TP_{141}	18.0	X	275.66737	184.67923	94.24029	2.75512	0.1208980	0.30421207	2.1895343	20	2 23.4	20.7
399834 2005 TB_{143}	16.5	X	280.71882	197.58097	183.04272	9.79737	0.1012980	0.18603056	3.0391107	20	7 20.5	20.7
399835 2005 TM_{161}	16.9	X	56.07974	294.47029	10.31684	10.30387	0.1442346	0.20005005	2.8954113	20	11 9.6	21.1
399836 2005 TU_{165}	18.8	X	282.08800	71.59466	250.80361	1.28042	0.1769425	0.31313315	2.1477481	20	4 22.1	21.1
399837 2005 UT_{8}	16.6	X	92.15346	193.73183	218.27585	7.52824	0.2943422	0.22442731	2.6817539	20	2 23.4	20.2
399838 2005 UO_{14}	16.8	X	25.36867	304.37202	45.47027	5.51755	0.1259852	0.20029913	2.8930105	20	11 26.4	20.6
399839 2005 UT_{29}	15.1	X	200.80865	205.42042	224.67814	26.50627	0.1206719	0.17602185	3.1532494	20	6 17.4	20.4
399840 2005 UZ_{32}	16.2	X	69.02817	11.54032	215.42605	9.57487	0.0645681	0.18289432	3.0737549	20	8 5.0	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
399841 2005 UK_{71}	17.0	X	36.63455	100.93476	288.66346	7.11009	0.2187847	0.20942987	2.8083009	20	—	—
399842 2005 UT_{82}	17.3	X	58.12747	281.51144	35.53570	2.46547	0.0635503	0.20022162	2.8937571	20	11 18.7	21.2
399843 2005 UG_{85}	16.7	X	294.04189	315.21630	58.71217	4.76103	0.1428208	0.18607416	3.0386360	20	7 27.8	20.6
399844 2005 UD_{93}	17.4	X	231.60821	33.82543	258.50279	4.50291	0.1930359	0.29698046	2.2249357	20	1 21.3	21.1
399845 2005 UW_{100}	17.7	X	358.95139	138.85572	69.92390	8.81743	0.1131397	0.30046902	2.2076806	20	3 27.3	19.8
399846 2005 UL_{114}	15.8	X	208.21858	4.31536	61.48886	16.67017	0.2489126	0.17632898	3.1495868	20	6 14.9	21.3
399847 2005 UV_{121}	16.9	X	27.47624	148.77571	223.71983	11.18863	0.1230125	0.20377694	2.8600000	20	12 27.4	20.8
399848 2005 UH_{127}	15.9	X	267.63212	161.84762	229.41338	9.35160	0.0869754	0.18211861	3.0824770	20	7 18.2	20.4
399849 2005 UB_{142}	16.4	X	49.58148	280.84957	102.92746	8.63952	0.2351603	0.20961292	2.8066657	20	—	—
399850 2005 UW_{168}	18.3	X	78.58189	126.93849	26.25337	2.56725	0.0820804	0.30524107	2.1846108	20	5 17.2	20.6
399851 2005 UD_{175}	16.2	X	169.95750	205.95098	251.16535	7.71127	0.0555485	0.17395854	3.1781341	20	6 22.7	20.9
399852 2005 UL_{183}	17.8	X	0.98432	288.02719	276.84699	3.14052	0.0831792	0.29872177	2.2162809	20	3 19.6	20.0
399853 2005 UA_{269}	16.0	X	266.13199	351.63851	36.52343	9.01303	0.1104317	0.18408673	3.0604672	20	7 12.9	20.4
399854 2005 UJ_{269}	18.3	X	219.16625	269.76111	99.80263	1.00142	0.0728497	0.30794767	2.1717914	20	4 24.1	20.9
399855 2005 UQ_{287}	18.2	X	291.91949	261.90552	64.16167	4.70630	0.1000733	0.31411579	2.1432666	20	5 26.5	20.3
399856 2005 UC_{289}	17.7	X	44.34342	187.80530	266.03543	4.13109	0.1201322	0.28601152	2.2814644	20	—	—
399857 2005 UZ_{292}	16.2	X	245.03888	63.44184	34.07744	11.99796	0.0436033	0.19008198	2.9957719	20	9 26.5	20.5
399858 2005 UC_{294}	16.3	X	23.53639	99.10053	240.04898	11.25820	0.0089830	0.19463950	2.9488232	20	10 23.5	20.5
399859 2005 UY_{300}	16.1	X	304.23277	219.79885	200.76965	10.21252	0.1110136	0.19372267	2.9581198	20	10 18.6	19.5
399860 2005 UO_{325}	16.8	X	38.94209	288.11451	45.33765	5.74163	0.1236666	0.20138215	2.8826289	20	11 23.8	20.7
399861 2005 UB_{363}	16.4	X	358.41139	120.65122	217.15363	14.54025	0.0308956	0.19207074	2.9750567	20	9 18.4	20.5
399862 2005 UZ_{385}	16.2	X	156.48829	38.52890	64.87095	10.54013	0.0435890	0.17348973	3.1838569	20	6 14.5	20.9
399863 2005 UL_{397}	16.3	X	88.62130	180.09150	199.72818	9.45162	0.1472624	0.21643603	2.7473649	20	—	—
399864 2005 UH_{413}	16.6	X	17.40167	205.78466	168.17130	2.24528	0.1142814	0.19946767	2.9010444	20	12 14.5	20.4
399865 2005 UV_{413}	16.0	X	17.61117	229.25108	56.07750	8.75080	0.0653241	0.18540145	3.0459817	20	8 17.6	20.1
399866 2005 UR_{424}	18.4	X	268.95313	164.45182	166.52039	0.11729	0.2090348	0.31221463	2.1519585	20	4 13.9	21.1
399867 2005 UA_{426}	16.4	X	48.84495	273.68894	41.20932	4.96755	0.1987944	0.19850554	2.9104108	20	11 23.1	20.5
399868 2005 UG_{428}	15.6	X	102.33420	317.88457	242.04775	15.54388	0.1830394	0.17958220	3.1114335	20	8 20.7	20.8
399869 2005 UQ_{463}	16.4	X	316.01741	297.84706	55.21824	11.04645	0.1167139	0.18721959	3.0262294	20	8 10.5	20.3
399870 2005 UN_{498}	16.7	X	42.09238	266.13095	114.29656	10.06820	0.2024341	0.20898852	2.8122533	20	—	—
399871 2005 UZ_{499}	16.7	X	53.29358	266.87598	109.56382	6.17478	0.1790636	0.21102804	2.7941042	20	—	—
399872 2005 UL_{501}	15.9	X	219.08981	226.73232	199.29767	26.70309	0.1997612	0.17715375	3.1398036	20	6 25.4	21.5
399873 2005 UL_{520}	16.6	X	114.04613	320.17839	186.14337	12.60195	0.1118561	0.17901835	3.1179635	20	6 26.5	21.5
399874 2005 VH_{28}	16.2	X	286.09653	159.15144	233.03007	9.50274	0.2277812	0.18656595	3.0332937	20	7 22.7	20.3
399875 2005 VM_{43}	15.7	X	210.87921	194.36117	234.84717	10.48356	0.1054503	0.17530050	3.1618939	20	6 29.5	20.7
399876 2005 VC_{46}	16.8	X	42.01528	251.93970	62.30885	2.59430	0.1500173	0.19647173	2.9304614	20	11 7.4	20.5
399877 2005 VD_{102}	15.7	X	233.21521	122.58131	285.59157	9.69423	0.1038039	0.17912057	3.1167771	20	6 28.9	20.4
399878 2005 VV_{106}	16.0	X	0.96281	56.57454	248.31550	8.94360	0.0736182	0.18630454	3.0361304	20	8 11.1	20.0
399879 2005 VD_{108}	18.4	X	302.93870	264.96173	46.44324	3.72882	0.1868159	0.31385971	2.1444323	20	5 5.7	20.4
399880 2005 VT_{115}	17.7	X	74.22233	175.75415	271.07210	4.07589	0.1213884	0.29005214	2.2602267	20	2 6.8	19.9
399881 2005 VY_{133}	16.3	X	234.64152	293.95758	120.18395	12.40425	0.1656463	0.17944769	3.1129882	20	7 1.4	21.1
399882 2005 WR_{4}	16.0	X	312.99487	71.74203	299.19575	11.40527	0.3067953	0.18855883	3.0118832	20	7 29.1	19.1
399883 2005 WJ_{18}	15.9	X	353.66985	329.27788	73.56079	15.84226	0.0968613	0.19820278	2.9133739	20	12 13.5	19.5
399884 2005 WN_{21}	16.1	X	15.68530	201.54427	53.85130	10.08756	0.0449998	0.17439668	3.1728088	20	6 29.8	20.5
399885 2005 WY_{21}	16.6	X	43.77704	237.80576	56.50209	9.78232	0.0854905	0.18861736	3.0112602	20	10 8.6	20.7
399886 2005 WK_{24}	15.7	X	99.04604	316.33353	258.80582	15.69973	0.2043569	0.18028724	3.1033164	20	9 6.1	21.0
399887 2005 WB_{38}	16.9	X	52.97794	117.80377	237.54927	6.35836	0.3219150	0.20452240	2.8530461	20	—	—
399888 2005 WQ_{40}	17.8	X	329.27394	243.27954	255.16907	8.46143	0.1459800	0.27517360	2.3409827	20	—	—
399889 2005 WR_{48}	15.7	X	53.70438	5.14256	262.13465	8.84050	0.0578685	0.18248159	3.0783879	20	9 3.4	20.1
399890 2005 WN_{51}	16.0	X	277.49511	169.80349	259.32235	9.11503	0.0915636	0.18744331	3.0238210	20	9 15.9	20.3
399891 2005 WX_{55}	17.3	X	206.25755	290.90683	81.57606	23.85773	0.3774065	0.30384908	2.1912778	20	4 19.5	22.0
399892 2005 WS_{75}	15.7	X	50.09838	43.89224	266.76090	10.35789	0.0977854	0.19279117	2.9676405	20	11 2.2	19.9
399893 2005 WB_{78}	16.6	X	49.80814	281.23202	57.09346	3.97237	0.2536477	0.20027935	2.8932009	20	12 29.9	20.9
399894 2005 WA_{83}	16.8	X	154.79573	95.20985	71.09576	3.60785	0.0659168	0.18324910	3.0697863	20	9 3.3	21.4
399895 2005 WH_{86}	17.8	X	64.28987	203.28557	240.57207	6.53750	0.0626315	0.28700429	2.2762002	20	1 10.9	20.3
399896 2005 WH_{103}	16.4	X	15.66209	292.00655	87.73904	13.08687	0.2227298	0.20229063	2.8739919	20	—	—
399897 2005 WL_{136}	17.6	X	33.75372	249.63627	218.66006	5.16588	0.1274230	0.28884455	2.2665220	20	—	—
399898 2005 WA_{141}	15.7	X	260.81645	154.92829	290.73853	7.85305	0.1301003	0.18272995	3.0755979	20	9 9.5	20.1
399899 2005 WH_{147}	15.9	X	272.97994	320.60739	108.03728	11.05570	0.0759327	0.18893608	3.0078727	20	9 21.8	20.1
399900 2005 WV_{152}	16.1	X	323.95978	71.02489	261.45075	9.26849	0.0959373	0.18018126	3.1045331	20	7 21.1	20.0
399901 2005 WT_{162}	16.1	X	155.67927	225.21084	273.71848	4.07384	0.0925807	0.17153139	3.2080440	20	7 29.4	21.1
399902 2005 WP_{182}	15.4	X	167.29339	139.66314	297.69659	15.57458	0.1350796	0.17126952	3.2113132	20	5 27.1	20.8
399903 2005 WH_{185}	17.3	X	207.12628	7.73094	87.64646	24.61372	0.0397242	0.38037741	1.8865120	20	9 6.5	19.9
399904 2005 WH_{202}	16.2	X	331.36605	223.05136	84.69133	11.39669	0.0792483	0.17564201	3.1577940	20	7 2.6	20.2
399905 2005 XA_{1}	18.4	X	277.14991	211.97021	148.23911	6.50231	0.3843470	0.31814599	2.1251279	20	5 13.0	21.4
399906 2005 XR_{5}	17.7	X	248.90338	288.25518	75.71498	4.87544	0.1678026	0.30992282	2.1625543	20	5 12.9	20.5
399907 2005 XY_{24}	15.1	X	123.58437	240.89905	292.83943	17.57593	0.1134615	0.16979098	3.2299290	20	8 6.2	20.2
399908 2005 XL_{25}	16.5	X	306.37235	9.31009	357.37829	1.47643	0.2012302	0.18526389	3.0474894	20	7 28.2	20.1
399909 2005 XR_{32}	15.9	X	214.50891	322.28564	90.66528	7.97704	0.1354000	0.17257109	3.1951458	20	6 12.4	20.8
399910 2005 XL_{37}	18.0	X	312.98192	162.04473	5.51761	1.35730	0.1256571	0.27474605	2.3434107	20	—	—
399911 2005 XU_{62}	15.7	X	216.66556	145.43403	265.65180	9.33495	0.0667551	0.17218487	3.1999220	20	6 17.1	20.5
399912 2005 XG_{75}	15.4	X	112.40232	259.17147	290.09229	15.39509	0.1609693	0.17214193	3.2004541	20	8 16.7	20.6
399913 2005 XA_{76}	17.7	X	303.92448	222.80205	46.86690	4.94214	0.1461424	0.29893365	2.2152335	20	3 16.4	20.2
399914 2005 XP_{82}	16.1	X	179.68937	249.34091	268.45521	25.45034	0.1484424	0.18263169	3.0767010	20	8 31.8	21.6
399915 2005 YB_{2}	15.8	X	107.36423	316.33322	267.24163	15.16102	0.0365549	0.18544919	3.0454589	20	9 8.7	20.5
399916 2005 YW_{7}	16.3	X	7.06241	218.15873	313.86729	22.79301	0.2496862	0.28204979	2.3027786	20	1 28.3	17.8
399917 2005 YX_{14}	15.7	X	90.48811	101.30917	116.87167	12.22595	0.0696000	0.17169818	3.2059661	20	8 26.3	20.4
399918 2005 YL_{16}	15.0	X	223.77795	181.45216	294.22655	26.86759	0.1120290	0.17974511	3.1095532	20	8 26.4	20.2
399919 2005 YT_{27}	17.5	X	290.11877	234.12620	331.50911	2.82667	0.2056017	0.27353828	2.3503036	20	—	—
399920 2005 YJ_{38}	14.6	X	144.86925	216.47828	307.20856	33.48543	0.1971074	0.17237054	3.1976237	20	8 13.8	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
399921 2005 YN_{47}	16.3	X	308.06722	107.22190	322.98298	7.93042	0.2102947	0.19126829	2.9833719	20	10 23.6	19.6
399922 2005 YE_{60}	18.4	X	166.61108	323.09335	89.34382	4.79904	0.1228742	0.29645719	2.2275530	20	4 24.9	21.5
399923 2005 YU_{75}	15.5	X	32.24501	2.47292	300.06634	8.00040	0.0785741	0.18146332	3.0898933	20	9 22.7	19.7
399924 2005 YO_{77}	16.0	X	184.21853	206.90288	293.73264	9.30712	0.0908553	0.17801919	3.1296192	20	8 27.6	21.0
399925 2005 YR_{87}	17.3	X	207.42397	172.68757	105.10624	10.77210	0.1189328	0.27658278	2.3330244	20	—	—
399926 2005 YJ_{110}	15.4	X	10.43439	40.99213	279.68474	15.16895	0.1232888	0.17993931	3.1073155	20	9 13.9	19.6
399927 2005 YP_{131}	18.2	X	339.12251	176.38957	302.20777	1.94878	0.1364172	0.26960575	2.3731031	20	—	—
399928 2005 YU_{131}	15.8	X	150.64485	217.78137	300.35617	15.25264	0.0801405	0.17172439	3.2056399	20	8 13.8	20.8
399929 2005 YW_{141}	16.0	X	336.76959	67.92486	306.03893	9.15233	0.0459837	0.18365031	3.0653138	20	10 2.7	20.2
399930 2005 YQ_{144}	16.5	X	13.52392	303.72844	101.84794	4.72822	0.2245577	0.19825810	2.9128319	20	—	—
399931 2005 YU_{161}	18.4	X	174.38881	155.21842	257.98920	5.45211	0.0951331	0.29785255	2.2205906	20	4 30.1	21.6
399932 2005 YA_{168}	15.7	X	9.06197	20.66545	282.10675	10.19103	0.0602584	0.17461580	3.1701540	20	8 18.2	20.1
399933 2005 YP_{177}	15.3	X	41.48816	318.48432	316.63314	7.87860	0.0415115	0.17380118	3.1800520	20	8 28.1	19.8
399934 2005 YY_{178}	15.9	X	312.22127	76.86874	297.82851	7.26608	0.0643306	0.17730230	3.1380496	20	8 29.9	20.0
399935 2005 YG_{189}	17.8	X	305.64831	62.06829	103.89043	3.19774	0.1514180	0.27208762	2.3586501	20	—	—
399936 2005 YU_{202}	17.0	X	301.77781	326.35877	94.38870	1.02508	0.2551827	0.18964062	3.0004183	20	9 25.8	20.2
399937 2005 YD_{251}	16.7	X	254.31885	257.41341	175.29833	1.99006	0.1065025	0.17857870	3.1230789	20	8 22.5	21.1
399938 2005 YL_{253}	16.5	X	148.08938	58.40285	86.80766	3.86668	0.0951167	0.16933202	3.2357627	20	7 30.8	21.4
399939 2005 YR_{270}	17.0	X	256.06008	327.64472	298.36214	25.45855	0.1245770	0.27904429	2.3192841	20	1 17.9	20.3
399940 2005 YH_{272}	16.4	X	284.19059	303.85789	70.26677	3.04140	0.2269074	0.17501243	3.1653625	20	6 28.8	20.8
399941 2005 YG_{275}	16.3	X	30.74659	318.94899	68.67092	3.75442	0.2960732	0.20161949	2.8803662	20	—	—
399942 2005 YZ_{278}	15.9	X	59.71103	102.03114	263.43656	13.48770	0.1644354	0.20461289	2.8522049	20	—	—
399943 2006 AP_{12}	15.9	X	60.56435	324.48955	282.31531	8.40547	0.0566504	0.17378101	3.1802982	20	8 17.7	20.5
399944 2006 AS_{16}	16.2	X	256.41834	123.49975	266.29051	9.22766	0.2322683	0.17780207	3.1321665	20	6 15.9	21.0
399945 2006 AS_{23}	18.1	X	103.63051	96.89790	307.67729	4.92174	0.1139183	0.28112003	2.3078532	20	1 26.4	20.6
399946 2006 AT_{25}	16.6	X	9.65902	90.05806	296.75896	4.25303	0.2658231	0.19726963	2.9225541	20	—	—
399947 2006 AT_{34}	16.1	X	79.51657	113.57323	103.60764	9.40224	0.0193974	0.17103923	3.2141951	20	8 2.9	20.6
399948 2006 AD_{36}	17.8	X	268.77900	207.44839	343.64705	1.60000	0.1475581	0.26704239	2.3882653	20	—	—
399949 2006 AM_{39}	16.0	X	209.62514	13.32461	110.89517	10.81922	0.0406710	0.17883065	3.1201448	20	9 16.0	20.6
399950 2006 AA_{43}	17.7	X	329.60625	17.44654	133.06101	7.08475	0.1067690	0.27229560	2.3574490	20	—	—
399951 2006 AB_{46}	15.5	X	88.29917	277.11953	287.92167	17.17517	0.0702738	0.16963375	3.2319245	20	7 31.9	20.2
399952 2006 AR_{58}	17.8	X	258.04247	131.18601	88.34017	4.59226	0.1172859	0.27195502	2.3594168	20	—	—
399953 2006 AT_{69}	18.0	X	13.69542	94.74973	82.72634	4.81785	0.0744596	0.28727095	2.2747914	20	3 7.6	20.3
399954 2006 AT_{78}	17.5	X	278.00039	225.68008	7.25573	1.91295	0.1795898	0.27556387	2.3387719	20	—	—
399955 2006 AU_{94}	16.1	X	321.32547	34.41908	319.53690	8.24903	0.0930553	0.17476987	3.1682906	20	8 16.1	20.1
399956 2006 AZ_{95}	17.1	X	277.55864	74.57367	129.24113	7.60509	0.0572392	0.27197085	2.3593252	20	—	—
399957 2006 AQ_{104}	17.7	X	91.53340	280.84944	141.00214	6.65840	0.1062487	0.28256777	2.2999636	20	1 30.4	20.2
399958 2006 BR_{4}	17.8	X	283.22458	317.37379	296.04944	3.68063	0.2554217	0.28064569	2.3104529	20	1 16.8	21.3
399959 2006 BK_{21}	15.7	X	336.85216	285.56549	131.39119	13.16617	0.1087303	0.18998964	2.9967425	20	12 7.0	19.5
399960 2006 BZ_{35}	16.8	X	322.22784	326.51521	69.64242	2.09595	0.1569941	0.18467300	3.0539865	20	10 11.9	20.1
399961 2006 BR_{47}	15.5	X	15.26310	76.82674	278.89839	9.66652	0.0268702	0.19220539	2.9736671	20	11 3.3	19.7
399962 2006 BZ_{52}	17.4	X	294.67775	202.27741	353.79959	3.32573	0.1601429	0.27085045	2.3658272	20	—	—
399963 2006 BG_{63}	15.4	X	200.28169	64.32060	82.30606	10.40717	0.0379235	0.17940741	3.1134541	20	10 4.3	20.1
399964 2006 BW_{70}	16.3	X	337.41986	39.60546	345.59748	10.39433	0.1564234	0.18388845	3.0626668	20	10 20.0	19.8
399965 2006 BD_{81}	15.9	X	339.93651	268.32687	137.64270	10.15223	0.1140259	0.18386352	3.0629436	20	11 26.5	19.8
399966 2006 BZ_{81}	17.4	X	258.90731	105.33169	126.00610	6.99624	0.0893967	0.26904016	2.3764279	20	—	—
399967 2006 BJ_{89}	15.7	X	3.70044	197.77936	128.27435	10.18874	0.0816172	0.17487602	3.1670084	20	9 18.5	19.8
399968 2006 BT_{94}	18.0	X	280.33183	236.80874	300.98459	1.63717	0.1269466	0.26429418	2.4047927	20	—	—
399969 2006 BV_{107}	16.0	X	329.23275	49.03221	331.59141	5.38045	0.1415707	0.18179681	3.0861134	20	9 30.8	19.5
399970 2006 BS_{116}	18.1	X	274.21317	44.43987	182.74053	0.91376	0.1410785	0.27122823	2.3636298	20	—	—
399971 2006 BU_{121}	17.6	X	221.56926	141.71723	129.92721	6.60588	0.1558421	0.27197415	2.3593061	20	—	—
399972 2006 BN_{124}	17.4	X	274.58978	323.76513	339.22564	6.33539	0.1415295	0.28634544	2.2796904	20	3 21.9	20.6
399973 2006 BU_{130}	18.2	X	340.79058	333.62346	153.95121	3.94074	0.1317486	0.26782053	2.3836371	20	—	—
399974 2006 BS_{151}	15.0	X	218.74004	119.89501	331.74852	10.03520	0.0374949	0.17092659	3.2156069	20	8 13.3	19.6
399975 2006 BO_{158}	17.8	X	359.02863	317.39442	147.49358	1.66741	0.1378135	0.26826624	2.3809962	20	—	—
399976 2006 BM_{174}	17.4	X	231.65428	251.88797	66.61598	4.41074	0.1732435	0.28564493	2.2834160	20	2 27.7	21.0
399977 2006 BA_{180}	17.3	X	176.55941	151.19887	103.90945	2.24329	0.1658575	0.25875247	2.4390070	20	—	—
399978 2006 BG_{180}	17.8	X	261.23791	233.44527	10.13146	1.25791	0.1517727	0.27287006	2.3541391	20	—	—
399979 Lewseaman	17.0	X	291.86504	107.62799	142.50574	23.31847	0.2184889	0.27692212	2.3311182	20	1 24.9	20.5
399980 2006 BC_{213}	17.4	X	209.97170	161.41872	115.65342	3.53576	0.1678127	0.26758459	2.3850381	20	—	—
399981 2006 BC_{233}	17.5	X	212.09285	207.44715	89.70181	3.41033	0.1141515	0.27745488	2.3281331	20	1 13.2	20.7
399982 2006 BW_{235}	15.7	X	176.10926	314.80218	112.34834	11.19708	0.0239411	0.15847146	3.3819616	20	5 25.8	20.7
399983 2006 BP_{237}	17.5	X	259.80568	103.25235	96.10257	3.64392	0.1386207	0.26567218	2.3964700	20	—	—
399984 2006 BU_{263}	15.7	X	315.69549	200.90216	145.37711	11.15577	0.0743396	0.16485659	3.2940626	20	7 28.8	20.1
399985 2006 BW_{265}	17.7	X	240.13758	261.63190	320.86214	1.28352	0.1275382	0.26319634	2.4114753	20	—	—
399986 2006 BY_{276}	15.9	X	67.27242	353.18753	327.21343	14.18664	0.0736817	0.18291979	3.0734696	20	11 29.2	20.6
399987 2006 BE_{278}	17.4	X	249.58754	352.87249	167.69662	4.28180	0.0562654	0.25509257	2.4622804	20	12 30.4	20.4
399988 2006 CK_{13}	15.9	X	321.99581	81.47621	315.53083	9.48253	0.1013835	0.18195430	3.0843323	20	10 8.8	19.8
399989 2006 CN_{27}	18.0	X	260.52129	60.68806	141.13721	2.10242	0.1358281	0.26638956	2.3921656	20	—	—
399990 2006 CJ_{35}	17.2	X	290.69604	56.91116	156.52479	6.89428	0.1938620	0.27310463	2.3527909	20	—	—
399991 2006 CY_{50}	18.3	X	294.81541	4.37792	162.48477	1.36387	0.1271740	0.26753007	2.3853621	20	—	—
399992 2006 DG_{12}	15.8	X	325.86326	237.92961	146.97623	10.27101	0.0679166	0.17754218	3.1352224	20	10 7.9	20.0
399993 2006 DV_{14}	15.1	X	252.40744	94.48620	322.91568	17.22916	0.1327639	0.16854088	3.2458806	20	7 30.5	19.8
399994 2006 DB_{15}	18.0	X	231.68904	181.11701	54.92476	2.22512	0.1372364	0.26499815	2.4005320	20	—	—
399995 2006 DE_{22}	17.9	X	342.33357	131.86182	51.93364	2.15925	0.1186701	0.27637394	2.3341996	20	1 18.5	20.4
399996 2006 DS_{35}	17.6	X	227.04976	275.82313	347.02924	1.99622	0.1522940	0.26447506	2.4036961	20	—	—
399997 2006 DA_{45}	17.5	X	298.28847	183.00812	33.05475	2.88924	0.1408979	0.27245284	2.3565419	20	—	—
399998 2006 DP_{142}	17.9	X	180.04805	144.07286	101.52171	2.37209	0.1508055	0.25418190	2.4681581	20	—	—
399999 2006 DG_{161}	17.7	X	323.38644	338.33896	167.60353	6.75816	0.0677478	0.26622205	2.3931690	20	—	—
400000 2006 DK_{190}	17.9	X	240.82139	177.91824	73.49902	2.30690	0.1569005	0.26458781	2.4030132	20	—	—