Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392001 2008 YH_{124}	16.6	X	236.07817	265.76761	273.69901	7.55022	0.1357202	0.22142883	2.7059095	21	12 6.4	20.3
392002 2008 YK_{127}	17.2	X	321.75558	13.08016	84.54892	3.13514	0.1965878	0.22615387	2.6680873	21	—	—
392003 2008 YJ_{133}	16.6	X	271.06939	30.94843	99.30097	15.44530	0.1360864	0.22202002	2.7011039	21	11 24.1	20.1
392004 2008 YJ_{136}	16.3	X	70.12258	289.82586	98.13901	22.84272	0.0288169	0.23603551	2.5930913	21	—	—
392005 2008 YH_{140}	16.5	X	245.07094	102.99056	134.71441	9.92548	0.0333447	0.23678147	2.5876423	21	—	—
392006 2008 YF_{146}	16.8	X	221.19707	92.07174	127.35446	11.95242	0.0684119	0.22558554	2.6725666	21	—	—
392007 2008 YO_{153}	16.6	X	353.56267	223.86216	130.68398	6.48023	0.0630177	0.21059805	2.7979062	21	10 4.7	20.1
392008 2008 YC_{158}	16.9	X	320.05488	99.50019	331.84168	5.45725	0.1303578	0.21776441	2.7361807	21	11 19.3	20.0
392009 2008 YV_{161}	16.5	X	211.98235	163.57228	359.99154	9.28965	0.0897456	0.21370541	2.7707183	21	10 22.3	20.7
392010 2008 YQ_{167}	17.0	X	43.31145	267.36590	101.08328	7.61073	0.0408188	0.22178172	2.7030384	21	12 27.2	20.6
392011 2008 YG_{169}	16.9	X	332.26567	49.91420	51.98419	3.82387	0.0998643	0.22389615	2.6859935	21	—	—
392012 2009 AN_{4}	17.2	X	322.55457	310.72473	95.13470	10.14724	0.1566179	0.21823011	2.7322867	21	10 25.3	20.2
392013 2009 AL_{9}	16.4	X	199.91470	166.09892	96.94566	15.16775	0.2271984	0.23285805	2.6166273	21	—	—
392014 2009 AG_{11}	17.4	X	233.11883	124.86188	59.51242	1.95730	0.1917011	0.21989988	2.7184377	21	12 1.5	21.4
392015 2009 AO_{14}	16.8	X	54.25784	306.10272	118.21379	9.59732	0.1505004	0.23870875	2.5736955	21	—	—
392016 2009 AK_{21}	16.8	X	288.98253	359.68153	81.79843	6.17166	0.1299897	0.21733573	2.7397775	21	10 16.3	20.1
392017 2009 AX_{25}	17.1	X	211.68656	117.93212	127.53774	3.60262	0.0039877	0.23258532	2.6186725	21	—	—
392018 2009 AZ_{35}	16.8	X	325.27848	314.72685	97.07385	10.47005	0.2062982	0.21822699	2.7323127	21	11 5.5	19.4
392019 2009 AR_{46}	17.0	X	220.76941	16.41896	181.50566	2.53591	0.1154625	0.21844415	2.7305016	21	12 14.0	20.8
392020 2009 AW_{49}	15.8	X	103.69307	307.88719	300.10039	9.15854	0.0393624	0.20620723	2.8374842	21	10 3.3	20.0
392021 2009 AW_{50}	17.1	X	310.84902	322.17091	100.71795	6.57996	0.0730372	0.21277692	2.7787728	21	10 30.8	20.6
392022 2009 BA_{2}	18.1	X	6.45860	107.44699	124.30263	22.63570	0.1117878	0.42097940	1.7631753	21	4 15.0	19.8
392023 2009 BS_{8}	16.9	X	296.59566	347.62203	125.88410	5.10539	0.1725003	0.22283502	2.6945138	21	12 5.4	19.7
392024 2009 BR_{11}	16.7	X	244.71302	299.67799	178.80579	7.57325	0.1763573	0.21152000	2.7897701	21	9 24.7	20.6
392025 2009 BS_{25}	16.7	X	339.59080	289.70344	96.08807	4.97640	0.1099452	0.21424012	2.7661062	21	10 25.7	19.8
392026 2009 BQ_{27}	17.5	X	250.49229	109.46396	25.23259	3.51554	0.0399653	0.21543941	2.7558312	21	11 10.3	21.3
392027 2009 BL_{31}	16.5	X	95.62913	240.78699	99.95901	4.74019	0.1056734	0.22732241	2.6589360	21	—	—
392028 2009 BM_{32}	17.0	X	179.21584	129.85364	122.45060	3.44712	0.1418993	0.22212088	2.7002862	21	—	—
392029 2009 BQ_{32}	17.3	X	260.49140	18.63771	127.71933	7.48803	0.0357760	0.21956709	2.7211838	21	12 10.8	21.0
392030 2009 BS_{32}	17.1	X	224.71234	156.48163	316.92494	1.08674	0.0192733	0.20433905	2.8547526	21	9 13.2	20.9
392031 2009 BL_{35}	16.8	X	28.37451	34.30506	340.41538	5.94596	0.0524440	0.21915198	2.7246190	21	12 16.6	20.4
392032 2009 BG_{41}	17.2	X	286.41216	108.41479	101.77165	5.10070	0.1450542	0.23388742	2.6089443	21	—	—
392033 2009 BJ_{41}	16.2	X	234.62345	40.25437	118.09121	7.42611	0.0670383	0.21396233	2.7684998	21	11 18.9	20.1
392034 2009 BW_{49}	16.2	X	26.61801	134.97852	61.25768	0.61512	0.0972013	0.17620526	3.1510609	21	4 23.4	20.1
392035 2009 BV_{54}	17.4	X	233.40784	133.03037	4.03539	2.98729	0.1349454	0.21066612	2.7973035	21	10 9.9	21.5
392036 2009 BE_{55}	16.6	X	87.96616	289.50587	335.53678	5.42917	0.0421367	0.20598085	2.8395629	21	10 9.1	20.6
392037 2009 BP_{67}	16.8	X	296.66249	152.07176	314.77430	4.74979	0.0386193	0.21612003	2.7500423	21	12 6.4	20.4
392038 2009 BH_{72}	16.3	X	339.01539	143.99904	262.71953	5.74747	0.0475585	0.21574296	2.7532457	21	11 17.8	19.8
392039 2009 BP_{76}	16.2	X	220.72407	215.83380	350.02968	11.94086	0.1697420	0.22018789	2.7160667	21	12 16.7	20.4
392040 2009 BZ_{86}	16.4	X	303.69310	67.79791	319.27833	9.58032	0.1321876	0.20467607	2.8516179	21	8 20.4	19.9
392041 2009 BN_{87}	17.0	X	258.21521	86.03626	119.35675	3.22454	0.0705837	0.22922817	2.6441782	21	—	—
392042 2009 BL_{91}	16.7	X	81.12028	20.93065	320.33030	4.35841	0.0654270	0.22237721	2.6982107	21	—	—
392043 2009 BY_{92}	16.8	X	0.87889	47.78278	320.20295	5.82336	0.0270774	0.20968525	2.8060202	21	10 25.0	20.6
392044 2009 BO_{96}	16.5	X	277.14700	47.49049	107.32387	10.00324	0.1254547	0.22194837	2.7016852	21	—	—
392045 2009 BB_{108}	16.9	X	279.94304	35.30840	119.26286	4.18953	0.0440779	0.22061328	2.7125741	21	—	—
392046 2009 BF_{110}	16.6	X	167.86118	248.85235	356.37941	7.42129	0.1600946	0.21214528	2.7842857	21	12 13.0	21.2
392047 2009 BT_{110}	16.8	X	111.34379	271.04456	31.00463	3.96104	0.0811306	0.21435197	2.7651439	21	12 27.3	20.9
392048 2009 BU_{116}	16.7	X	23.11783	238.35083	118.40500	9.69391	0.0674497	0.21179225	2.7873789	21	11 20.4	20.5
392049 2009 BB_{118}	17.1	X	54.47234	248.17586	128.39269	6.92420	0.0297308	0.22563713	2.6721593	21	—	—
392050 2009 BE_{120}	16.6	X	149.83178	156.34259	118.81902	10.67086	0.1859841	0.22358052	2.6885209	21	—	—
392051 2009 BZ_{129}	16.3	X	84.44031	286.48753	37.73054	4.39093	0.0995119	0.21417072	2.7667037	21	12 27.1	20.4
392052 2009 BG_{138}	16.7	X	57.00178	202.01013	123.70258	5.10701	0.1086880	0.21334428	2.7738441	21	11 29.8	20.6
392053 2009 BC_{142}	17.1	X	130.01631	301.96930	354.11158	4.48036	0.0935753	0.22111827	2.7084426	21	—	—
392054 2009 BC_{167}	16.9	X	140.14943	145.78117	138.97668	2.98915	0.0597788	0.21703051	2.7423456	21	—	—
392055 2009 BQ_{170}	17.1	X	184.45092	52.98773	117.01428	3.12131	0.0110441	0.20575488	2.8416415	21	10 8.1	21.0
392056 2009 BO_{172}	17.7	X	287.06122	219.02265	291.43721	1.79668	0.1099431	0.22453581	2.6808898	21	—	—
392057 2009 BT_{177}	16.6	X	77.39125	235.81821	344.23979	9.72045	0.0486647	0.18695461	3.0290882	21	8 2.8	20.9
392058 2009 BS_{178}	16.5	X	136.25222	316.14507	330.33953	8.10250	0.2651298	0.21134181	2.7913380	21	—	—
392059 2009 BP_{182}	16.8	X	38.62382	195.61227	161.09352	6.52748	0.0764920	0.21696539	2.7428943	21	12 11.2	20.6
392060 2009 BP_{183}	16.5	X	95.01845	280.40938	345.75739	10.99568	0.0824931	0.20326706	2.8647807	21	10 21.1	20.9
392061 2009 BF_{185}	16.7	X	257.16355	97.49829	63.40086	6.57685	0.1093177	0.22071058	2.7117768	21	12 13.5	20.1
392062 2009 BH_{186}	16.8	X	215.59327	102.44672	121.53533	7.39313	0.0962066	0.22027017	2.7153903	21	—	—
392063 2009 BR_{189}	16.0	X	57.11120	256.10143	144.65912	9.13567	0.2019753	0.24231525	2.5480946	21	—	—
392064 2009 CB_{26}	16.8	X	189.34594	220.94867	30.58210	2.75116	0.1595903	0.21964797	2.7205158	21	—	—
392065 2009 CC_{34}	17.0	X	326.65954	318.41354	118.86986	14.72243	0.0711959	0.22014230	2.7164416	21	12 13.5	20.4
392066 2009 CB_{36}	17.0	X	268.42959	91.94582	344.95191	8.56215	0.1527429	0.20821304	2.8192317	21	9 3.2	20.6
392067 2009 CL_{37}	16.7	X	267.82868	230.20131	291.64297	4.66272	0.0777848	0.22266197	2.6959097	21	—	—
392068 2009 CO_{40}	17.1	X	299.39765	129.70029	285.36419	1.38242	0.1341372	0.21082133	2.7959303	21	9 21.4	20.5
392069 2009 CO_{41}	17.1	X	135.60789	126.19620	141.76663	11.82310	0.0666666	0.21738132	2.7393945	21	12 13.1	21.3
392070 2009 CB_{55}	16.6	X	7.66404	322.64445	122.08365	3.27807	0.0661874	0.22958690	2.6414232	21	—	—
392071 2009 CP_{56}	17.0	X	170.30369	144.36727	31.39867	3.22464	0.0982578	0.19946876	2.9010339	21	9 25.2	21.4
392072 2009 CR_{64}	15.8	X	93.68349	190.30576	81.68180	11.85338	0.0926001	0.19950953	2.9006386	21	11 4.7	20.2
392073 2009 DP_{6}	17.3	X	324.41974	132.04197	312.85813	4.15356	0.0848598	0.22111887	2.7084377	21	12 18.3	20.5
392074 2009 DT_{11}	16.3	X	248.46641	357.04031	148.05147	11.01400	0.1452150	0.21439300	2.7647910	21	11 9.7	20.3
392075 2009 DQ_{15}	16.9	X	234.16012	158.55317	350.02223	3.75406	0.1408784	0.21167008	2.7884513	21	10 23.7	20.9
392076 2009 DO_{18}	16.5	X	30.45091	196.32279	164.69166	6.57048	0.0687530	0.21110540	2.7934216	21	12 3.9	20.2
392077 2009 DS_{26}	17.5	X	189.23416	257.55442	323.80163	3.52898	0.0636383	0.21831628	2.7315677	21	12 12.8	21.4
392078 2009 DC_{32}	16.8	X	175.52896	156.17780	85.98932	2.57241	0.0260917	0.21234529	2.7825371	21	12 24.7	20.6
392079 2009 DC_{34}	16.0	X	216.94851	116.38022	16.93261	11.28034	0.0394320	0.19770545	2.9182576	21	9 28.1	20.1
392080 2009 DV_{34}	16.1	X	59.77611	89.44906	164.95960	9.12245	0.0676754	0.18658253	3.0331140	21	8 23.4	20.3

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392081 2009 DL_{36}	16.8	X	240.64718	93.06955	61.54269	15.35549	0.2165504	0.21245202	2.7816051	21	11 2.6	20.9
392082 2009 DJ_{45}	16.3	X	266.20264	216.52289	264.59971	6.78119	0.1734223	0.21308011	2.7761362	21	10 22.5	20.2
392083 2009 DN_{56}	15.9	X	50.36142	90.36325	158.86595	26.72164	0.1790198	0.18461846	3.0545880	21	8 19.9	19.9
392084 2009 DY_{59}	16.5	X	210.77891	39.27497	140.74619	8.38160	0.0089671	0.20895482	2.8125556	21	11 23.7	20.5
392085 2009 DW_{64}	16.4	X	212.55752	299.12736	178.54851	12.11557	0.1014209	0.19484266	2.9467730	21	8 24.7	20.9
392086 2009 DB_{65}	16.1	X	269.97825	317.44494	174.25640	7.92832	0.0797734	0.21125779	2.7920781	21	11 27.7	19.8
392087 2009 DC_{73}	16.4	X	240.87458	350.67098	163.55484	9.27772	0.1021316	0.21310472	2.7759225	21	11 16.6	20.4
392088 2009 DL_{77}	16.9	X	300.03077	130.00821	302.17978	3.94208	0.1421535	0.21150484	2.7899034	21	10 13.6	20.1
392089 2009 DV_{85}	17.0	X	298.48334	140.21564	272.52631	1.17876	0.1021080	0.20219797	2.8748698	21	9 20.2	20.6
392090 2009 DR_{98}	16.9	X	118.89088	204.88270	103.23000	5.05005	0.0912756	0.21476478	2.7615994	21	—	—
392091 2009 DW_{100}	15.7	X	294.89296	315.62183	13.03026	17.55132	0.2188183	0.17779266	3.1322771	21	5 3.3	20.3
392092 2009 DG_{102}	16.0	X	170.31269	59.37297	149.20731	15.46354	0.0902635	0.20400376	2.8578797	21	11 8.6	20.6
392093 2009 DU_{107}	16.6	X	242.52642	136.90318	32.68540	8.44565	0.1536266	0.21494640	2.7600435	21	11 26.9	20.5
392094 2009 DU_{109}	16.4	X	176.12960	285.63220	301.53498	6.26871	0.1602061	0.21022666	2.8012005	21	11 28.7	21.0
392095 2009 DK_{117}	16.7	X	133.67150	292.53329	359.17412	6.00314	0.0503714	0.21594893	2.7514947	21	—	—
392096 2009 DT_{122}	16.3	X	168.30956	328.89370	168.56314	9.90220	0.0972629	0.18930914	3.0039198	21	8 3.6	21.1
392097 2009 DZ_{126}	16.8	X	263.83109	200.38762	287.60544	2.60425	0.0491183	0.20908968	2.8113461	21	11 16.6	20.5
392098 2009 DA_{130}	16.5	X	228.92967	353.82156	184.76197	4.42484	0.0471479	0.21005425	2.8027330	21	12 7.5	20.4
392099 2009 DH_{130}	16.7	X	289.49993	162.30251	326.65620	3.80075	0.0128987	0.21430530	2.7655453	21	12 27.2	20.4
392100 2009 DW_{131}	16.6	X	88.50484	39.95920	179.29607	11.33599	0.0998861	0.18780463	3.0199414	21	8 18.7	21.0
392101 2009 DQ_{133}	16.8	X	275.06978	128.91620	336.41796	8.76954	0.1176329	0.21088346	2.7953812	21	10 20.9	20.6
392102 2009 DR_{138}	15.8	X	346.89556	312.35252	7.85766	13.62226	0.1576988	0.18515507	3.0486832	21	8 7.5	19.4
392103 2009 DF_{139}	16.3	X	180.81210	289.47547	166.30654	11.25447	0.1094036	0.18540571	3.0459352	21	6 26.8	21.2
392104 2009 DG_{140}	18.3	X	351.10789	1.07059	167.87730	22.64495	0.0857204	0.39946344	1.8259324	21	—	—
392105 2009 DD_{142}	16.4	X	114.92560	141.39107	24.23587	9.27456	0.0697811	0.18379751	3.0636769	21	7 12.6	21.0
392106 2009 EA_{4}	16.7	X	225.18231	63.71126	111.77683	8.01321	0.2084272	0.21101650	2.7942061	21	11 12.2	21.1
392107 2009 EX_{10}	17.1	X	165.96757	136.15265	116.43553	4.79622	0.1620571	0.21306467	2.7762703	21	12 20.8	21.7
392108 2009 EY_{19}	15.8	X	74.25223	33.85850	157.98084	10.42606	0.1471849	0.17922416	3.1155760	21	7 4.6	20.2
392109 2009 EN_{20}	16.3	X	242.75613	40.38565	93.71182	3.37280	0.0381888	0.20570396	2.8421104	21	10 31.4	20.3
392110 2009 EK_{21}	17.6	X	271.06149	121.28293	43.85719	25.95472	0.0782733	0.37771185	1.8953772	21	—	—
392111 2009 EU_{24}	16.5	X	273.09350	331.92215	168.38686	12.01031	0.0784598	0.21568099	2.7537730	21	12 13.7	20.3
392112 2009 EV_{25}	16.6	X	189.16564	349.28200	166.83576	8.67819	0.1176234	0.19580824	2.9370775	21	9 18.8	21.2
392113 2009 EX_{27}	16.0	X	52.55296	197.25701	77.82754	18.41616	0.1668545	0.18081065	3.0973246	21	10 5.2	20.6
392114 2009 FP_{7}	16.6	X	133.23326	137.04300	81.29008	3.62156	0.0941341	0.19710820	2.9241496	21	10 10.0	21.1
392115 2009 FL_{17}	18.2	X	53.56543	110.17976	4.55542	18.50047	0.1199168	0.40407271	1.8120202	21	—	—
392116 2009 FW_{17}	16.7	X	204.05624	74.56110	147.18207	8.46295	0.1651171	0.21250679	2.7811271	21	12 19.2	21.1
392117 2009 FA_{18}	16.4	X	212.77910	91.33391	128.76060	6.89826	0.1606726	0.21388507	2.7691665	21	12 26.1	20.6
392118 2009 FZ_{20}	16.8	X	153.63672	159.25429	1.30275	4.76161	0.1380207	0.19043372	2.9920819	21	8 21.5	21.6
392119 2009 FZ_{27}	16.2	X	176.69182	144.13490	77.81132	9.43771	0.2426580	0.20652205	2.8345999	21	11 21.5	21.2
392120 Heidiursula	18.3	X	68.66995	209.34875	178.48315	22.44416	0.1143223	0.37815286	1.8939033	21	—	—
392121 2009 FU_{31}	16.2	X	50.46643	112.45217	185.10903	9.43962	0.1776140	0.19239823	2.9716797	21	10 24.5	20.1
392122 2009 FE_{38}	16.6	X	31.10034	321.53324	28.28299	6.50403	0.0408655	0.20844635	2.8171276	21	11 14.2	20.3
392123 2009 FO_{40}	16.0	X	77.58135	45.36474	156.40219	28.40360	0.1692258	0.18162049	3.0881104	21	7 25.1	20.6
392124 2009 FT_{40}	16.5	X	232.45930	120.01922	0.63981	17.28912	0.0755488	0.20070785	2.8890816	21	9 24.7	20.5
392125 2009 FX_{46}	16.6	X	130.81062	333.52272	182.35155	11.53347	0.0883013	0.18357849	3.0661132	21	7 16.9	21.4
392126 2009 FG_{49}	16.3	X	106.02601	123.22195	155.70886	15.24807	0.1352105	0.20455811	2.8527141	21	11 29.6	21.0
392127 2009 FY_{55}	17.3	X	329.05107	47.23036	76.01542	24.19960	0.0324107	0.37902689	1.8909906	21	—	—
392128 2009 FM_{60}	17.0	X	32.61249	152.55043	190.18621	1.61574	0.0563098	0.20295533	2.8677134	21	11 9.7	20.8
392129 2009 FR_{63}	16.4	X	168.16248	53.78586	74.63757	3.48504	0.1009521	0.18469899	3.0537000	21	7 25.3	21.0
392130 2009 FD_{69}	15.9	X	13.25827	100.34248	195.81449	16.54781	0.1351659	0.18039060	3.1021309	21	8 12.1	19.9
392131 2009 FG_{69}	16.0	X	113.90487	6.07313	171.74015	10.83586	0.1994552	0.18122285	3.0926261	21	8 5.9	21.0
392132 2009 FO_{71}	16.0	X	50.68230	125.53408	103.15241	14.90915	0.1977619	0.17471467	3.1689578	21	7 28.4	20.0
392133 2009 FZ_{71}	16.3	X	88.39364	99.66695	211.05677	10.52365	0.0786540	0.20242740	2.8726972	21	12 10.9	20.6
392134 2009 FR_{75}	16.2	X	135.15593	262.49327	225.66508	2.55765	0.1779897	0.17805986	3.1291427	21	6 25.9	21.1
392135 2009 GH_{4}	15.7	X	30.44634	167.93371	97.15852	9.92170	0.1394867	0.17643008	3.1483835	21	8 5.8	19.6
392136 2009 GJ_{6}	16.4	X	54.33734	83.79008	179.12079	1.05176	0.1337240	0.18075616	3.0979470	21	9 6.0	20.4
392137 2009 HW	16.0	X	172.20195	281.93082	206.19742	20.31971	0.1964739	0.18666130	3.0322606	21	7 24.1	21.6
392138 2009 HY_{1}	16.7	X	125.70318	47.87897	133.37349	2.88059	0.1673784	0.18508044	3.0495028	21	8 20.9	21.6
392139 2009 HX_{5}	17.7	X	337.76290	260.26200	193.17124	19.32153	0.0961666	0.37729225	1.8967822	21	—	—
392140 2009 HD_{11}	16.5	X	104.91815	30.02269	193.34973	9.97131	0.0342764	0.18891823	3.0080621	21	9 4.2	20.8
392141 2009 HW_{15}	15.7	X	203.16429	267.37569	156.00528	12.09376	0.0533837	0.17868775	3.1218081	21	6 12.8	20.5
392142 Solheim	16.2	X	349.47519	122.12512	187.90238	9.76031	0.0597354	0.17903349	3.1177877	21	7 23.1	20.5
392143 2009 HV_{26}	16.3	X	15.02524	254.20341	21.41538	1.09776	0.1379743	0.17711105	3.1403082	21	7 22.8	20.0
392144 2009 HN_{32}	16.4	X	352.96877	125.44348	140.71131	6.00244	0.1053268	0.17050340	3.2209256	21	6 1.9	20.5
392145 2009 HN_{37}	17.7	X	319.70161	92.26506	40.37669	21.94142	0.0730659	0.37850394	1.8927320	21	—	—
392146 2009 HB_{39}	16.3	X	65.23358	97.48949	162.33437	10.35289	0.0653596	0.18320085	3.0703254	21	9 6.9	20.4
392147 2009 HC_{39}	16.3	X	124.85485	121.57509	119.51428	7.91085	0.2365932	0.19289458	2.9665798	21	11 6.1	21.5
392148 2009 HF_{39}	16.3	X	152.41741	9.44277	148.17622	9.63233	0.0854952	0.18201918	3.0835993	21	8 12.7	21.1
392149 2009 HQ_{40}	16.0	X	331.50159	127.32903	160.04903	12.80517	0.1343201	0.17294559	3.1905316	21	5 25.0	20.2
392150 2009 HO_{49}	17.0	X	203.86430	23.96123	100.15747	7.71400	0.1825068	0.19437166	2.9515315	21	8 22.9	21.9
392151 2009 HJ_{51}	16.5	X	187.56852	62.99072	67.05348	10.03789	0.1150709	0.18723025	3.0261146	21	8 19.3	21.4
392152 2009 HO_{65}	16.2	X	154.44686	66.18668	71.56696	13.63244	0.1782671	0.18078012	3.0976732	21	7 27.3	21.5
392153 2009 HQ_{65}	16.0	X	120.12739	310.08750	212.47149	17.79081	0.2424522	0.17906032	3.1174761	21	7 24.6	21.5
392154 2009 HG_{67}	15.8	X	0.69241	272.84552	19.54315	18.99808	0.0843067	0.17865278	3.1222154	21	7 25.6	20.2
392155 2009 HH_{69}	17.0	X	52.38414	184.89595	78.59522	1.77674	0.2191912	0.18096686	3.0955418	21	9 18.2	21.0
392156 2009 HJ_{83}	16.2	X	71.00807	158.74547	122.32163	11.25183	0.0706716	0.18996515	2.9970002	21	10 17.6	20.6
392157 2009 HB_{84}	15.6	X	126.90658	74.12246	59.83947	19.17061	0.1730413	0.17390627	3.1787708	21	6 23.4	20.8
392158 2009 HV_{93}	17.7	X	75.61769	218.82898	210.72153	24.91225	0.0907534	0.38595233	1.8683014	21	—	—
392159 2009 HE_{96}	16.1	X	83.53220	20.94786	219.32167	9.87218	0.1037352	0.18267720	3.0761900	21	9 6.9	20.6
392160 2009 HK_{99}	16.7	X	123.44049	12.42896	198.91120	5.85401	0.0786057	0.18890324	3.0082213	21	9 16.3	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392161 2009 HM_{99}	16.1	X	65.42260	253.49877	51.19904	10.56144	0.0981186	0.19162709	2.9796467	21	11 8.4	20.3
392162 2009 HX_{100}	16.7	X	131.22603	128.64075	65.71166	5.80711	0.0740327	0.18453276	3.0555335	21	9 7.3	21.3
392163 2009 HL_{104}	17.3	X	80.37735	98.80743	198.02271	11.46561	0.1881497	0.19075157	2.9887572	21	11 26.9	22.0
392164 2009 JT_{1}	15.5	X	99.32230	119.85063	102.33207	22.89478	0.1541447	0.18120124	3.0928720	21	9 21.7	20.6
392165 2009 JH_{3}	16.0	X	338.25572	191.46160	111.37707	14.70366	0.0886376	0.17083392	3.2167697	21	6 27.4	20.1
392166 2009 JS_{4}	18.6	X	242.08398	91.77606	193.74519	21.97950	0.1142895	0.39043900	1.8539610	21	—	—
392167 2009 JC_{7}	16.2	X	346.63862	145.49451	170.03353	9.21735	0.2170693	0.17358928	3.1826395	21	7 20.3	19.6
392168 2009 JV_{9}	16.3	X	61.09583	151.08382	157.70037	12.46690	0.0461710	0.19531972	2.9419728	21	11 4.6	20.6
392169 2009 JO_{16}	16.4	X	164.31558	9.48048	178.05448	5.83700	0.0872714	0.19103708	2.9857786	21	10 2.4	21.0
392170 2009 JZ_{17}	16.6	X	141.62847	90.78977	92.05143	10.03202	0.0761032	0.18377121	3.0639693	21	9 5.9	21.3
392171 2009 KG_{1}	15.8	X	0.81350	224.76433	115.88888	14.24561	0.1179452	0.18501848	3.0501835	21	9 30.6	19.7
392172 2009 KP_{2}	16.1	X	72.13226	110.04475	122.58003	14.18342	0.1189278	0.17786070	3.1314782	21	8 21.5	20.5
392173 2009 KP_{6}	15.8	X	56.81384	75.42836	185.16152	22.56301	0.1028186	0.17779500	3.1322495	21	8 29.9	20.3
392174 2009 KM_{9}	16.2	X	62.28576	97.50317	211.81820	8.77227	0.0512799	0.19228967	2.9727980	21	11 3.8	20.2
392175 2009 KZ_{13}	15.4	X	206.78546	212.21464	214.46760	14.78314	0.0512008	0.17126131	3.2114158	21	6 19.1	20.3
392176 2009 KK_{14}	16.0	X	35.61136	180.88725	107.76499	18.67091	0.1374781	0.17996056	3.1070708	21	9 20.9	20.3
392177 2009 KM_{19}	15.6	X	328.66138	211.32594	124.84594	17.39332	0.0951351	0.17606718	3.1527082	21	7 25.9	19.4
392178 2009 KN_{19}	15.7	X	63.08699	129.16055	119.68650	17.14692	0.1324029	0.17936934	3.1138946	21	9 3.6	20.1
392179 2009 LZ_{2}	16.4	X	120.61970	167.95199	72.55704	10.44775	0.0780309	0.19031322	2.9933447	21	10 24.2	21.0
392180 2009 LO_{6}	18.0	X	217.79199	75.73247	209.08678	20.78508	0.0689938	0.38178908	1.8818589	21	—	—
392181 2009 LZ_{6}	16.0	X	51.34062	109.99603	159.11630	13.51743	0.1576082	0.17815531	3.1280250	21	9 14.4	20.0
392182 2009 MG	15.9	X	72.02888	132.26200	107.59124	14.97688	0.2278049	0.17783350	3.1317975	21	9 19.3	20.7
392183 2009 PA	15.2	X	16.79023	311.16579	329.09935	20.43514	0.3175985	0.16645096	3.2729937	21	8 21.1	18.2
392184 2009 QN_{6}	18.2	X	36.54131	322.71813	33.48523	1.89639	0.1993079	0.26150806	2.4218431	21	—	—
392185 2009 QR_{12}	17.4	X	265.06164	25.52385	164.55060	23.14132	0.0579548	0.35901690	1.9606171	21	—	—
392186 2009 QR_{21}	15.8	X	68.80242	137.06309	148.76176	28.70711	0.2399609	0.17489402	3.1667910	21	11 12.6	21.1
392187 2009 QJ_{32}	18.0	X	122.10444	298.30193	31.26099	1.67757	0.1925702	0.27451978	2.3446982	21	—	—
392188 2009 RV_{68}	14.0	X	317.48788	34.38804	45.40843	11.20638	0.0475971	0.08378303	5.1724784	21	11 7.3	20.7
392189 2009 SR_{30}	13.3	X	256.00737	104.20912	21.98778	31.82200	0.0390259	0.08348349	5.1848434	21	10 18.4	20.2
392190 2009 SQ_{52}	18.2	X	175.35208	48.23311	18.20191	6.11836	0.1439535	0.30248124	2.1978789	21	5 9.6	21.4
392191 2009 SF_{58}	17.2	X	46.39672	213.86544	274.79817	4.42397	0.0980957	0.28471912	2.2883632	21	1 30.4	19.3
392192 2009 SP_{76}	14.0	X	316.78696	310.85939	115.22478	6.41864	0.0556835	0.08103405	5.2888065	21	10 23.9	20.8
392193 2009 SQ_{121}	13.7	X	258.40528	124.02737	1.68610	10.17307	0.0735330	0.08363409	5.1786176	21	10 15.9	20.6
392194 2009 SR_{133}	18.0	X	171.13237	25.84281	47.25195	4.99506	0.0873371	0.30230687	2.1987239	21	5 12.6	20.9
392195 2009 SD_{140}	13.9	X	346.55450	49.42119	343.20910	11.74550	0.1435166	0.08365274	5.1778477	21	10 15.7	20.1
392196 2009 SU_{143}	13.7	X	325.90033	30.25423	23.98711	12.29946	0.0671483	0.08200239	5.2470882	21	10 18.6	20.3
392197 2009 SQ_{163}	13.5	X	8.86314	173.66418	205.95647	14.32314	0.0260859	0.08220073	5.2386446	21	11 2.6	20.3
392198 2009 ST_{245}	13.5	X	286.97233	256.71824	185.37124	13.66566	0.0577151	0.08114031	5.2841880	21	10 3.9	20.2
392199 2009 SH_{248}	13.7	X	342.52870	2.53117	23.34048	7.32569	0.0424093	0.08056565	5.3092858	21	10 9.2	20.5
392200 2009 SE_{252}	14.2	X	315.60838	185.67143	241.48370	6.67250	0.0804728	0.08200120	5.2471391	21	10 17.6	20.9
392201 2009 SL_{257}	14.0	X	289.74925	97.76352	354.46693	13.73148	0.1583770	0.08394896	5.1656601	21	10 3.2	20.6
392202 2009 SV_{262}	14.2	X	354.77810	226.74393	152.78568	6.41142	0.0354966	0.08503789	5.1214674	21	10 18.8	20.8
392203 2009 SZ_{292}	14.8	X	314.55501	51.23736	183.40939	8.75866	0.1458147	0.12394767	3.9839188	21	2 24.6	20.3
392204 2009 SR_{296}	13.8	X	327.44692	15.68521	31.45229	6.72228	0.0834773	0.08366820	5.1772098	21	10 12.7	20.4
392205 2009 SZ_{299}	13.7	X	20.11060	262.14680	96.47888	6.12396	0.0871861	0.08293819	5.2075446	21	10 29.4	20.3
392206 2009 SR_{301}	14.1	X	314.17235	238.10483	181.55834	7.60261	0.0968202	0.08134560	5.2752939	21	10 7.9	20.7
392207 2009 SB_{311}	13.6	X	275.00669	129.72824	331.50675	5.02561	0.0581266	0.08107949	5.2868305	21	10 9.2	20.6
392208 2009 SQ_{321}	14.2	X	339.10572	344.78211	62.89664	9.57221	0.0735127	0.08230920	5.2340412	21	10 30.0	20.8
392209 2009 SV_{346}	14.1	X	300.53986	62.25200	27.07441	17.27127	0.0764516	0.08525169	5.1129010	21	10 24.9	20.6
392210 2009 SE_{354}	14.1	X	29.41299	307.51724	39.34570	12.33624	0.0360110	0.08268284	5.2182608	21	10 22.7	20.9
392211 2009 TG_{10}	17.6	X	215.25043	12.19906	210.66980	40.84947	0.4233430	0.35532423	1.9741773	21	12 17.9	21.4
392212 2009 TS_{41}	18.1	X	292.35441	252.65896	92.41790	3.79057	0.1372435	0.31278498	2.1493417	21	6 2.3	20.4
392213 2009 UQ_{12}	18.5	X	214.59745	79.29288	339.17486	4.22010	0.0647097	0.31247963	2.1507416	21	6 14.3	21.3
392214 2009 UC_{20}	17.2	X	94.91378	285.54323	198.54083	22.24749	0.2984895	0.28772077	2.2724199	21	5 22.1	20.5
392215 2009 UO_{25}	18.1	X	174.68095	218.60803	200.65291	2.62345	0.1441260	0.29627756	2.2284533	21	5 1.4	21.3
392216 2009 UX_{28}	13.6	X	346.42989	14.83192	50.61234	11.01988	0.0492486	0.08475241	5.1329617	21	11 25.5	20.2
392217 2009 UJ_{45}	13.7	X	33.53338	309.37311	47.90876	12.95775	0.0168303	0.08232928	5.2331899	21	11 5.4	20.5
392218 2009 UT_{73}	17.9	X	245.31714	277.25646	66.20095	7.14559	0.2103596	0.30185130	2.2009357	21	3 31.9	21.4
392219 2009 UV_{79}	14.0	X	326.33619	64.77437	12.38013	8.20837	0.0873054	0.08353281	5.1828026	21	11 10.7	20.6
392220 2009 UP_{82}	13.6	X	45.40056	292.31051	70.08338	11.59773	0.0289449	0.08273720	5.2159748	21	11 25.3	20.4
392221 2009 UG_{95}	13.9	X	277.15281	58.78095	44.53072	14.68509	0.0348659	0.08021339	5.3248183	21	10 21.2	20.9
392222 2009 UA_{99}	13.8	X	267.08663	76.20587	55.66893	22.33040	0.0390491	0.08080877	5.2986314	21	11 9.3	20.8
392223 2009 UH_{102}	14.4	X	332.14365	238.36770	171.69776	5.60740	0.0579857	0.08224357	5.2368252	21	10 23.7	21.0
392224 2009 US_{106}	13.6	X	358.21536	336.61382	73.92121	6.70645	0.0571197	0.08320091	5.1965765	21	11 24.6	20.1
392225 Lanzarote	17.8	X	165.44112	125.73929	256.61337	4.01778	0.1846835	0.28821709	2.2698103	21	3 5.7	21.3
392226 2009 UB_{141}	13.4	X	339.30617	14.12727	39.20656	21.47622	0.0860513	0.08189204	5.2518010	21	11 2.7	19.8
392227 2009 VK_{8}	14.3	X	301.96408	209.35228	245.30385	6.03550	0.0780873	0.08125715	5.2791214	21	10 31.9	21.1
392228 2009 VH_{25}	17.8	X	143.57068	60.70723	13.66633	6.70934	0.1504165	0.29296407	2.2452247	21	4 17.8	20.8
392229 2009 VM_{41}	18.1	X	119.14343	100.16322	291.11129	4.37444	0.2366500	0.27885519	2.3203325	21	2 3.8	21.0
392230 2009 VG_{44}	17.5	X	68.98673	214.08040	190.26486	5.17260	0.2220056	0.26824949	2.3810953	21	—	—
392231 2009 VU_{45}	18.2	X	275.67378	167.48054	198.38216	3.00939	0.1016595	0.30953166	2.1643758	21	6 15.1	20.5
392232 2009 VJ_{51}	17.5	X	76.60429	329.33802	129.69718	3.83101	0.1735579	0.27885478	2.3203348	21	2 23.3	19.6
392233 2009 VF_{74}	18.3	X	184.38035	28.67262	42.49915	4.04446	0.0921952	0.30297738	2.1954788	21	5 25.6	21.4
392234 2009 VN_{76}	18.0	X	139.42581	206.47146	186.69046	3.16548	0.1703317	0.28312913	2.2969225	21	2 20.7	21.1
392235 2009 VG_{80}	16.5	X	275.26481	237.58733	150.61771	13.73804	0.2762918	0.23198515	2.6231870	21	6 22.1	20.6
392236 2009 VN_{98}	16.8	X	321.68437	242.32940	348.80888	2.03610	0.0575885	0.19865757	2.9089258	21	3 2.9	20.7
392237 2009 VW_{114}	18.2	X	78.15865	152.34725	349.92823	2.25225	0.1048879	0.28865141	2.2675329	21	4 18.2	20.4
392238 2009 WC_{2}	14.0	X	310.31743	39.38327	40.49370	10.59033	0.1686930	0.08163067	5.2630055	21	10 18.9	20.4
392239 2009 WP_{12}	14.1	X	58.95796	273.48569	75.62783	8.52420	0.0471771	0.08396942	5.1648209	21	11 28.3	20.9
392240 2009 WZ_{20}	17.2	X	43.18392	146.46878	24.10520	2.42855	0.1417297	0.27672180	2.3322430	21	4 4.4	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392241 2009 WV_{30}	17.5	X	137.26345	36.93938	65.75238	5.78511	0.1614422	0.29336266	2.2431905	21	5 21.9	20.6
392242 2009 WP_{36}	14.1	X	21.35676	347.44865	48.25695	12.08896	0.0543268	0.08431855	5.1505541	21	12 4.7	20.7
392243 2009 WP_{68}	18.0	X	120.23721	321.19363	154.81971	3.87971	0.1133863	0.29373491	2.2412949	21	5 15.1	20.9
392244 2009 WS_{77}	18.1	X	76.32466	64.95777	358.33831	2.32970	0.2159100	0.27225974	2.3576560	21	1 6.0	19.7
392245 2009 WU_{87}	17.8	X	276.22083	319.61850	19.48303	3.81050	0.1937156	0.30459497	2.1876990	21	4 23.5	20.8
392246 2009 WW_{122}	14.0	X	356.64734	345.51999	71.42216	5.91971	0.0488223	0.08199739	5.2473015	21	11 28.9	20.7
392247 2009 WA_{123}	18.6	X	221.75204	333.39183	77.07081	1.67991	0.0815874	0.30444192	2.1884321	21	6 11.0	21.4
392248 2009 WZ_{134}	18.4	X	188.99551	117.26293	312.92639	4.34180	0.0914759	0.30160622	2.2021278	21	5 29.3	21.4
392249 2009 WS_{163}	18.1	X	160.31877	26.05944	44.58451	3.22916	0.1489728	0.29260332	2.2470698	21	5 1.9	21.3
392250 2009 WR_{168}	17.6	X	72.74725	347.08953	92.79226	3.17760	0.1628399	0.27413265	2.3469051	21	1 16.7	19.4
392251 2009 WS_{173}	18.4	X	218.92839	104.77319	289.87569	4.43078	0.1157263	0.30195819	2.2004163	21	5 12.9	21.6
392252 2009 WC_{203}	17.9	X	81.43461	234.23474	227.52725	4.30213	0.1207428	0.28092476	2.3089226	21	2 24.5	20.4
392253 2009 WB_{206}	18.0	X	105.16638	205.75463	319.02884	2.25925	0.0816861	0.30112487	2.2044739	21	6 28.9	20.5
392254 2009 WY_{227}	18.1	X	73.57617	51.33009	73.59758	5.09768	0.0962341	0.28631670	2.2798430	21	3 18.5	20.4
392255 2009 WR_{233}	17.5	X	30.44988	104.39930	53.46478	2.02973	0.1014203	0.28864605	2.2675609	21	2 15.2	19.4
392256 2009 WF_{262}	17.3	X	147.65008	327.70428	94.79731	8.72641	0.1503526	0.28491280	2.2873261	21	4 12.8	20.7
392257 2009 WQ_{263}	18.1	X	63.49174	161.33525	326.81238	3.14643	0.0951968	0.27510004	2.3414000	21	3 4.1	20.5
392258 2009 XO_{19}	17.3	X	151.31686	330.08813	115.27617	7.62127	0.0953119	0.28747124	2.2737347	21	5 10.7	20.4
392259 2009 YD_{16}	17.9	X	4.66712	103.67971	64.70829	5.32535	0.1739403	0.26796279	2.3827934	21	1 11.3	20.2
392260 2009 YU_{17}	17.9	X	116.82757	335.58408	98.67368	3.84089	0.1830753	0.27921246	2.3183528	21	3 25.9	20.9
392261 2009 YF_{22}	17.3	X	73.15578	171.92898	299.05442	9.00156	0.1491861	0.27438340	2.3454751	21	2 27.2	19.6
392262 2009 YU_{24}	17.9	X	89.67487	54.53752	42.87096	2.73218	0.1725084	0.27742704	2.3282888	21	3 16.8	20.4
392263 2009 YV_{24}	17.2	X	293.18303	223.26441	329.93024	5.84595	0.0871599	0.25780583	2.4449739	21	—	—
392264 2010 AS	17.7	X	181.01630	138.49720	255.16422	5.86689	0.1154656	0.28836148	2.2690526	21	3 30.9	21.0
392265 2010 AM_{1}	18.0	X	35.78312	69.37532	114.33383	2.72802	0.1201624	0.27906275	2.3191818	21	4 9.7	20.0
392266 2010 AB_{13}	17.7	X	246.36822	291.68968	85.46524	7.53043	0.1570317	0.30319236	2.1944408	21	5 18.7	20.7
392267 2010 AM_{26}	16.9	X	8.94734	212.03639	306.24731	9.45966	0.0982360	0.26508367	2.4000156	21	1 15.4	19.6
392268 2010 AZ_{26}	17.4	X	322.58906	44.98403	140.27818	11.21112	0.1472384	0.25915406	2.4364867	21	—	—
392269 2010 AW_{38}	17.4	X	64.55920	184.39514	324.28756	4.45943	0.0986226	0.27616842	2.3353575	21	4 3.9	19.9
392270 2010 AJ_{50}	17.2	X	343.34054	235.60142	272.66703	6.58693	0.2612776	0.25677919	2.4514865	21	—	—
392271 2010 AJ_{53}	17.9	X	31.52775	310.42910	159.34726	5.11998	0.1559407	0.26201996	2.4186877	21	—	—
392272 2010 AH_{62}	17.8	X	143.31155	325.07624	103.70648	5.10727	0.1754656	0.28517887	2.2859031	21	4 16.9	21.1
392273 2010 AF_{64}	18.1	X	15.66139	105.04815	98.22939	5.84085	0.1774336	0.27769543	2.3267884	21	3 30.4	19.9
392274 2010 AH_{66}	18.1	X	9.37345	34.94105	131.03646	4.53691	0.1869169	0.26561367	2.3968219	21	1 14.5	20.4
392275 2010 AY_{68}	17.9	X	39.91880	151.16616	3.50047	6.17242	0.1750534	0.27394581	2.3479722	21	3 6.1	19.7
392276 2010 AV_{80}	18.1	X	32.45196	97.94110	41.79815	1.72612	0.1181082	0.26892069	2.3771317	21	1 27.1	20.2
392277 2010 AM_{81}	16.2	X	317.66718	260.52041	104.21294	6.98385	0.0352371	0.21706783	2.7420313	21	8 26.8	19.7
392278 2010 AJ_{89}	16.8	X	224.42998	2.01360	169.08912	12.00677	0.1209148	0.22562929	2.6722212	21	11 18.1	20.8
392279 2010 AB_{110}	16.6	X	162.29221	240.46431	137.25398	10.01428	0.0637130	0.25879119	2.4387637	21	2 20.0	19.8
392280 2010 AV_{121}	13.9	X	326.74889	72.26823	4.02402	27.09558	0.0548997	0.08477695	5.1319708	21	11 3.3	20.8
392281 2010 BB_{4}	17.1	X	339.32364	103.71990	116.73028	7.87790	0.0649752	0.27268719	2.3551915	21	3 1.9	19.8
392282 2010 BX_{29}	16.9	X	197.92171	231.41817	52.02306	9.87852	0.1497061	0.23912398	2.5707152	21	—	—
392283 2010 BT_{62}	15.4	X	115.57953	179.01021	269.76354	26.77372	0.1255474	0.17923726	3.1154241	21	4 2.1	20.6
392284 2010 CT_{1}	17.4	X	12.27322	37.54755	122.46601	4.77468	0.1458304	0.26640939	2.3920469	21	1 16.7	19.4
392285 2010 CK_{12}	16.6	X	75.44208	6.15435	64.89576	7.28894	0.0902107	0.26118167	2.4238603	21	1 5.5	19.3
392286 2010 CJ_{17}	16.6	X	237.99391	112.71761	112.06881	12.57772	0.1544958	0.23376136	2.6098822	21	—	—
392287 2010 CM_{18}	17.6	X	258.14210	261.60410	349.29913	2.07699	0.1586179	0.25609952	2.4558219	21	—	—
392288 2010 CL_{20}	17.4	X	149.06075	260.36765	137.32519	6.36665	0.0934595	0.27135224	2.3629096	21	3 4.2	20.5
392289 2010 CG_{31}	17.5	X	310.10683	126.64610	119.77382	2.03256	0.1460103	0.26374554	2.4081265	21	2 11.0	20.6
392290 2010 CM_{34}	17.5	X	63.78698	42.40516	29.06079	5.12568	0.1368590	0.25827338	2.4420223	21	—	—
392291 2010 CJ_{43}	16.3	X	287.72169	303.26497	179.34471	31.10662	0.2310429	0.23367202	2.6105473	21	11 27.9	19.7
392292 2010 CQ_{43}	17.9	X	59.09063	15.90751	125.71922	2.82636	0.1630209	0.27401087	2.3476004	21	3 26.8	20.0
392293 2010 CX_{60}	17.5	X	193.28620	254.88837	126.99883	7.26439	0.1138226	0.28409637	2.2917061	21	4 4.0	20.9
392294 2010 CL_{78}	17.3	X	318.02303	263.72946	158.44634	4.67635	0.2026008	0.23215027	2.6219431	21	11 5.6	19.5
392295 2010 CJ_{80}	17.0	X	249.73072	160.35712	143.93989	2.62580	0.2086810	0.26324075	2.4112041	21	2 15.5	20.7
392296 2010 CM_{81}	17.9	X	1.74868	342.64045	204.41331	1.30913	0.1278010	0.26567949	2.3964260	21	2 8.2	20.2
392297 2010 CB_{82}	17.7	X	284.83100	141.55387	351.67576	14.74672	0.1870699	0.23608826	2.5927051	21	12 10.3	20.8
392298 2010 CG_{106}	16.9	X	29.93485	91.44626	56.35398	1.76387	0.1307842	0.18010546	3.1054041	21	2 25.9	20.4
392299 2010 CX_{114}	17.8	X	36.02642	147.47320	15.39831	2.86981	0.1262006	0.27110674	2.3643359	21	3 9.5	19.7
392300 2010 CJ_{132}	17.2	X	247.01588	56.57982	188.34667	8.76378	0.1243594	0.23901721	2.5714807	21	—	—
392301 2010 CL_{143}	17.4	X	110.84966	65.96242	6.58508	4.55492	0.0557250	0.27029468	2.3690690	21	2 24.0	20.3
392302 2010 CM_{157}	18.2	X	126.42959	41.94500	49.83217	2.46054	0.1517577	0.27687695	2.3313717	21	4 24.5	21.4
392303 2010 CS_{166}	16.9	X	200.20580	268.69709	341.45199	10.24294	0.1648145	0.23659374	2.5890109	21	—	—
392304 2010 CQ_{175}	17.5	X	287.97695	195.38662	78.83998	2.28282	0.1681967	0.26494060	2.4008795	21	2 18.7	20.8
392305 2010 CV_{176}	17.9	X	325.00001	202.64816	337.14167	1.92505	0.0684954	0.25707212	2.4496238	21	—	—
392306 2010 CD_{183}	18.0	X	22.81635	272.05271	201.78179	4.54818	0.1870158	0.25823262	2.4422792	21	—	—
392307 2010 CD_{185}	17.3	X	349.58122	88.22074	66.52082	4.60755	0.1645158	0.25714991	2.4491298	21	—	—
392308 2010 CJ_{216}	15.6	X	214.64497	231.25494	134.24477	23.38332	0.0742212	0.17464589	3.1697898	21	4 21.3	20.8
392309 2010 CO_{226}	13.8	X	17.38377	273.64740	115.02929	8.68425	0.0730129	0.08220513	5.2384577	21	11 26.4	20.5
392310 2010 DS_{6}	17.7	X	348.59904	281.98319	238.34120	0.63885	0.1390049	0.25678369	2.4514578	21	—	—
392311 2010 DH_{12}	16.6	X	11.46688	44.85371	134.57462	21.46346	0.1511687	0.26750901	2.3854873	21	2 12.9	18.8
392312 2010 DB_{55}	16.2	X	311.90520	266.51243	119.47060	13.96808	0.1039285	0.19983343	2.8975034	21	9 9.7	19.9
392313 2010 DT_{64}	16.7	X	170.35916	149.88405	65.32026	11.18050	0.1443015	0.21367397	2.7709901	21	11 12.7	21.1
392314 2010 EU_{2}	15.9	X	166.25164	162.97267	82.25761	15.18522	0.0483057	0.23789407	2.5795679	21	12 21.1	19.6
392315 2010 ES_{7}	15.8	X	227.90095	62.29201	217.61766	27.65660	0.1642947	0.23786618	2.5797696	21	—	—
392316 2010 ED_{12}	16.7	X	241.27451	3.91306	141.14695	4.54953	0.0749670	0.22978227	2.6399257	21	11 11.2	20.3
392317 2010 EP_{30}	17.2	X	303.48303	140.39825	357.08242	16.67790	0.1058094	0.24095725	2.5576594	21	—	—
392318 2010 ET_{30}	16.3	X	63.14358	298.49261	168.27514	10.33776	0.2094462	0.17694401	3.1422843	21	3 9.4	19.8
392319 2010 EB_{36}	16.7	X	338.64835	55.49887	183.18048	23.55377	0.2028466	0.26557537	2.3970524	21	3 1.1	19.5
392320 2010 EP_{42}	17.3	X	238.11115	69.31781	94.17421	5.19193	0.2251315	0.23172772	2.6251295	21	11 10.3	21.2

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392321 2010 EP_{67}	16.1	X	292.41043	276.20562	170.39104	14.63594	0.0528893	0.22320446	2.6915398	21	11 8.3	19.7
392322 2010 ES_{68}	17.5	X	311.11766	161.30085	71.73226	2.42837	0.1423859	0.25901614	2.4373515	21	1 27.5	20.6
392323 2010 EN_{76}	17.4	X	307.01161	133.73914	20.09557	9.84797	0.1435486	0.24546210	2.5262699	21	—	—
392324 2010 EB_{77}	17.5	X	314.54167	88.02296	171.93414	2.59936	0.1758611	0.26317479	2.4116069	21	3 1.8	20.5
392325 2010 ET_{80}	16.8	X	239.85827	155.94042	165.65707	12.77417	0.2738427	0.26266599	2.4147202	21	2 25.1	20.9
392326 2010 EZ_{85}	16.6	X	192.20928	248.53316	356.11992	8.37214	0.1007262	0.23190952	2.6237573	21	—	—
392327 2010 EF_{87}	16.5	X	285.56385	301.95892	187.18385	13.79337	0.0927570	0.22904846	2.6455611	21	12 17.9	20.0
392328 2010 EQ_{87}	17.3	X	194.76523	105.20886	183.40152	13.66496	0.2700142	0.23573079	2.5953255	21	—	—
392329 2010 ES_{89}	17.6	X	306.17217	181.28799	31.46097	5.12027	0.1415618	0.25420162	2.4680304	21	—	—
392330 2010 ER_{93}	17.7	X	273.90141	219.59807	4.42779	6.75144	0.1185196	0.25094505	2.4893366	21	—	—
392331 2010 EZ_{96}	17.8	X	303.42800	182.69382	99.23627	3.26099	0.2069200	0.26898409	2.3767582	21	3 13.5	20.9
392332 2010 EN_{102}	17.3	X	265.06359	127.26857	354.51491	5.15177	0.0655301	0.22376609	2.6870342	21	11 9.4	20.9
392333 2010 ET_{105}	17.6	X	306.42797	94.38314	137.66592	3.52173	0.2475665	0.25788700	2.4444608	21	1 6.8	21.1
392334 2010 EQ_{107}	17.9	X	293.77009	103.41182	67.08057	3.40043	0.0926504	0.24267440	2.5455799	21	—	—
392335 2010 EB_{109}	17.0	X	200.98590	194.91978	63.74142	5.19522	0.1760683	0.23426279	2.6061566	21	—	—
392336 2010 EP_{109}	16.8	X	274.86648	290.99110	3.08003	7.21791	0.2318797	0.26447150	2.4037177	21	2 24.9	20.7
392337 2010 EA_{110}	17.1	X	201.35519	184.01225	351.30462	3.97297	0.0921523	0.22282042	2.6946316	21	10 27.5	21.1
392338 2010 EY_{111}	17.8	X	239.88730	226.42291	2.31320	8.13020	0.1191765	0.24007608	2.5639140	21	—	—
392339 2010 EU_{112}	17.2	X	251.16829	197.76389	26.01968	8.76795	0.1388438	0.24050444	2.5608687	21	—	—
392340 2010 EQ_{122}	17.2	X	170.04414	15.77280	225.11927	6.27045	0.0951505	0.22496303	2.6774947	21	12 15.4	21.2
392341 2010 EX_{124}	16.8	X	249.57821	61.21851	138.90702	8.22100	0.1353202	0.23809864	2.5780902	21	—	—
392342 2010 EB_{126}	15.8	X	0.79721	209.99846	340.44203	9.27947	0.2718041	0.17540718	3.1606116	21	2 19.7	18.8
392343 2010 EK_{133}	17.3	X	238.98927	85.01989	151.52483	7.42747	0.1826748	0.23988921	2.5652453	21	—	—
392344 2010 ER_{134}	16.8	X	235.34732	208.94786	350.87620	2.19851	0.0590612	0.23225860	2.6211277	21	—	—
392345 2010 EQ_{143}	16.7	X	271.66957	274.04805	261.14192	6.46932	0.1367658	0.23909718	2.5709073	21	—	—
392346 2010 FG_{4}	17.0	X	345.87656	27.80089	54.89603	4.83434	0.2141518	0.24138390	2.5546447	21	—	—
392347 2010 FX_{17}	17.6	X	354.29028	108.42941	40.18659	3.49001	0.1379275	0.25589995	2.4570986	21	—	—
392348 2010 FL_{19}	16.5	X	308.63758	73.65050	33.26478	14.16727	0.0792768	0.22924171	2.6440741	21	12 24.4	19.9
392349 2010 FE_{56}	16.9	X	272.88379	145.97276	11.12200	14.29927	0.1847673	0.23442228	2.6049744	21	12 24.3	20.1
392350 2010 FD_{86}	17.6	X	303.35429	173.70619	7.86267	8.15205	0.1331688	0.24576132	2.5242190	21	—	—
392351 2010 FC_{88}	17.0	X	215.46122	53.92069	181.29196	3.99434	0.1551316	0.23277790	2.6172280	21	—	—
392352 2010 FX_{88}	17.3	X	169.01095	97.04138	188.56851	8.30251	0.0384183	0.23680877	2.5874434	21	—	—
392353 2010 FQ_{89}	17.3	X	251.54961	134.41991	93.29195	4.48923	0.1641284	0.24221847	2.5487733	21	—	—
392354 2010 GM_{25}	16.6	X	233.25980	71.80639	149.37102	7.76589	0.1656031	0.23479183	2.6022403	21	—	—
392355 2010 GX_{28}	16.2	X	182.66679	160.38175	101.54787	11.38318	0.1632083	0.22897314	2.6461412	21	—	—
392356 2010 GN_{32}	16.9	X	275.09071	111.21167	95.91391	7.48336	0.1582009	0.24221061	2.5488285	21	—	—
392357 2010 GR_{66}	17.0	X	281.81896	92.42938	39.12873	28.24694	0.3751864	0.23505177	2.6003214	21	11 1.6	19.9
392358 2010 GW_{94}	16.0	X	348.75418	311.85180	358.73128	15.05284	0.1635899	0.17996059	3.1070705	21	7 27.7	19.7
392359 2010 GN_{97}	16.8	X	183.08687	168.31910	39.81566	5.59635	0.0510228	0.22067894	2.7120360	21	11 20.7	20.8
392360 2010 GU_{97}	16.8	X	277.02920	108.51515	38.48503	14.29381	0.0911873	0.23074961	2.6325425	21	12 28.9	20.3
392361 2010 GY_{98}	16.9	X	77.75219	154.88744	145.83401	3.57288	0.0641946	0.21730069	2.7400720	21	11 18.2	20.7
392362 2010 GO_{103}	17.0	X	119.39543	126.50607	157.57615	8.13004	0.2082236	0.21507672	2.7589285	21	12 19.9	21.8
392363 2010 GF_{108}	16.3	X	118.53020	86.20710	211.15126	8.95218	0.1680330	0.21943889	2.7222436	21	—	—
392364 2010 GD_{118}	17.1	X	239.64885	353.83872	163.87477	9.44072	0.1826955	0.22353813	2.6888607	21	11 10.3	21.1
392365 2010 GW_{130}	18.1	X	38.55893	251.79004	225.44705	0.83054	0.1463040	0.25907503	2.4369821	21	1 6.9	20.1
392366 2010 GA_{140}	16.8	X	227.29923	198.13025	73.40050	4.75222	0.0415001	0.24484465	2.5305153	21	—	—
392367 2010 GA_{141}	16.4	X	41.26384	321.43436	357.60430	3.57969	0.0967760	0.21080006	2.7961184	21	10 27.7	20.0
392368 2010 GJ_{141}	15.8	X	146.70767	208.64644	59.16218	15.06057	0.0974929	0.22364380	2.6880136	21	12 23.0	20.0
392369 2010 GC_{144}	16.2	X	1.37934	342.68497	50.87113	20.47254	0.0999153	0.21911790	2.7249015	21	12 5.7	19.6
392370 2010 GY_{157}	16.9	X	194.44395	219.75487	43.20409	6.18118	0.1743577	0.23113505	2.6296151	21	—	—
392371 2010 GV_{161}	17.0	X	252.85427	130.62847	124.27486	13.39363	0.1476952	0.24345943	2.5401049	21	—	—
392372 2010 HW_{23}	16.1	X	220.21143	96.90670	98.70747	13.32627	0.0921638	0.22523152	2.6753664	21	12 15.3	19.8
392373 2010 HA_{32}	16.1	X	152.80152	316.86487	305.41457	15.56278	0.2330372	0.21217701	2.7840081	21	12 20.7	21.2
392374 2010 HS_{64}	15.3	X	343.24100	197.80462	129.97812	22.26530	0.1982852	0.17948744	3.1125285	21	8 2.5	18.6
392375 2010 HK_{78}	16.3	X	16.92235	233.42505	218.74142	21.23407	0.1421803	0.23856522	2.5747277	21	—	—
392376 2010 HK_{91}	15.7	X	311.02644	327.61138	348.57024	11.04011	0.1252591	0.16983102	3.2294213	21	5 26.8	20.1
392377 2010 HC_{104}	17.0	X	239.83306	160.15973	66.61160	5.74327	0.1553827	0.23584434	2.5944924	21	—	—
392378 2010 HV_{104}	16.7	X	286.89260	77.15769	131.94734	13.16132	0.1354760	0.24210484	2.5495707	21	—	—
392379 2010 HY_{105}	17.1	X	349.33302	212.28168	212.50319	4.73090	0.0422937	0.22487978	2.6781554	21	12 27.7	20.5
392380 2010 JB	16.9	X	232.00811	144.34519	74.37371	4.74926	0.2179660	0.23156401	2.6263666	21	—	—
392381 2010 JW_{1}	16.3	X	329.68130	84.62008	78.93891	15.31795	0.0765016	0.24433026	2.5340657	21	—	—
392382 2010 JK_{2}	17.3	X	185.55719	88.07545	210.19520	2.17934	0.1727046	0.24059574	2.5602209	21	—	—
392383 2010 JC_{3}	16.7	X	289.28067	166.00725	24.13998	12.95206	0.1521314	0.24139972	2.5545332	21	—	—
392384 2010 JR_{29}	16.3	X	169.28404	153.51832	105.76016	12.25113	0.1399676	0.22370400	2.6875314	21	—	—
392385 2010 JZ_{33}	16.8	X	254.13954	37.41810	194.06744	3.83297	0.2005280	0.23890614	2.5722776	21	—	—
392386 2010 JZ_{39}	17.1	X	246.04439	19.45218	196.98346	14.10944	0.1956953	0.23529869	2.5985019	21	—	—
392387 2010 JW_{77}	16.6	X	331.59775	277.91550	209.63764	6.33874	0.0424903	0.23394186	2.6085395	21	—	—
392388 2010 JC_{82}	16.5	X	157.71878	234.55300	25.75389	8.90102	0.2540774	0.22075115	2.7114446	21	12 21.3	21.5
392389 2010 JL_{86}	16.7	X	153.54154	263.07358	283.88257	6.42959	0.1833900	0.21680077	2.7442826	21	9 20.4	21.4
392390 2010 JV_{114}	16.7	X	229.83168	189.38642	56.18282	15.31712	0.1278715	0.23704403	2.5857311	21	—	—
392391 2010 JQ_{116}	17.2	X	175.32366	60.50746	202.09680	10.54521	0.2614329	0.22450323	2.6811492	21	—	—
392392 2010 JQ_{127}	16.7	X	33.78396	140.21763	158.73744	17.61336	0.1509751	0.18542285	3.0457474	21	9 28.9	20.6
392393 2010 JJ_{147}	17.0	X	243.25318	337.58652	233.83017	12.72635	0.1851959	0.23394197	2.6085387	21	—	—
392394 2010 JN_{153}	16.2	X	226.99998	336.36371	248.94421	14.85919	0.1609010	0.23192921	2.6236088	21	—	—
392395 2010 JE_{154}	17.3	X	294.68716	101.35473	44.83114	13.80913	0.2016875	0.23513148	2.5997337	21	—	—
392396 2010 JA_{155}	17.3	X	263.53510	295.17634	216.06734	5.67994	0.0925446	0.22761073	2.6566901	21	12 14.2	20.6
392397 2010 JK_{177}	16.6	X	108.80200	342.82937	113.08512	7.70793	0.0743587	0.26802826	2.3824054	21	3 31.5	19.6
392398 2010 KJ_{32}	17.5	X	10.84726	299.39948	218.20109	4.19739	0.1660295	0.26367599	2.4085499	21	1 7.9	19.8
392399 2010 KV_{69}	16.4	X	52.82828	317.46831	330.43936	8.35586	0.1192997	0.18569536	3.0427669	21	10 1.1	20.6
392400 2010 KZ_{81}	16.0	X	352.81184	153.71374	157.72913	5.44446	0.1829085	0.17536113	3.1611650	21	7 29.9	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392401 2010 KP_{117}	16.6	X	189.63829	158.39775	98.13215	7.97791	0.1583473	0.22651302	2.6652663	21	—	—
392402 2010 KQ_{127}	16.2	X	2.59930	239.22021	217.33372	21.41534	0.0451699	0.23007022	2.6377225	21	—	—
392403 2010 LR_{15}	15.6	X	286.07565	196.81740	153.39361	23.12892	0.1057687	0.18149563	3.0895266	21	6 14.1	20.4
392404 2010 LW_{34}	16.6	X	267.68459	344.95066	206.83638	11.76006	0.0597995	0.23146118	2.6271444	21	—	—
392405 2010 LE_{40}	16.0	X	345.98013	8.53479	296.98508	3.78879	0.0481481	0.16959208	3.2324538	21	7 14.4	20.4
392406 2010 LQ_{67}	16.5	X	253.70358	122.91476	101.25596	5.02283	0.1706499	0.23699897	2.5860589	21	—	—
392407 2010 LK_{78}	16.2	X	189.02692	276.03631	212.19567	14.69833	0.0146360	0.17428151	3.1742064	21	8 12.3	21.1
392408 2010 LE_{86}	16.1	X	353.04928	125.52462	202.86387	15.83070	0.2586813	0.17700106	3.1416091	21	8 20.0	19.3
392409 2010 LW_{97}	16.3	X	36.72788	182.78904	151.21787	9.84554	0.3777530	0.18872628	3.0101014	21	12 18.6	20.6
392410 2010 LW_{110}	17.1	X	175.62893	62.58360	212.43463	3.87418	0.1424340	0.22729337	2.6591625	21	—	—
392411 2010 LC_{113}	16.3	X	55.89744	134.15770	185.30138	10.08024	0.0558412	0.19809022	2.9144774	21	11 11.3	20.4
392412 2010 LG_{127}	15.3	X	38.08585	101.80347	174.74806	25.48087	0.2362623	0.17965850	3.1105525	21	9 15.3	18.9
392413 2010 LV_{130}	15.8	X	2.36875	315.12231	2.08358	11.79609	0.2082150	0.17662011	3.1461248	21	9 2.1	19.1
392414 2010 LU_{131}	15.9	X	353.69495	195.41894	142.18352	4.25623	0.3138094	0.17785120	3.1315897	21	9 13.9	18.1
392415 2010 MZ_{30}	16.4	X	244.05782	79.33526	70.53802	12.01335	0.1218504	0.22786290	2.6547297	21	11 14.1	19.9
392416 2010 MF_{51}	16.3	X	228.41984	42.07865	150.52996	17.77366	0.1002840	0.23120918	2.6290529	21	12 22.1	20.2
392417 2010 MW_{63}	16.2	X	56.84849	237.35763	84.43989	4.31212	0.1813422	0.18971245	2.9996609	21	11 29.9	20.5
392418 2010 ML_{73}	16.1	X	32.36643	145.26336	181.02922	13.83641	0.1538891	0.18393226	3.0621804	21	10 31.9	20.1
392419 2010 MT_{80}	15.4	X	29.39675	293.08261	336.99641	16.32076	0.0958601	0.16912939	3.2383466	21	8 7.7	19.6
392420 2010 MX_{82}	16.4	X	355.28901	200.33962	144.50736	1.51435	0.1666919	0.17746479	3.1361338	21	9 21.3	19.9
392421 2010 MK_{86}	15.3	X	344.90925	311.09001	14.72904	19.18454	0.1919127	0.17218069	3.1999738	21	8 13.4	19.1
392422 2010 NB_{4}	15.6	X	289.03988	266.02432	117.94247	11.43795	0.0882178	0.17720561	3.1391909	21	7 31.8	19.8
392423 2010 NB_{14}	15.3	X	47.82436	270.26561	11.43298	26.17462	0.1656816	0.17823593	3.1270816	21	9 28.8	19.4
392424 2010 NF_{81}	15.9	X	52.72121	271.76690	27.56821	21.49479	0.1723628	0.18172515	3.0869246	21	10 24.7	20.0
392425 2010 NG_{82}	16.0	X	47.97958	113.45069	191.44168	13.71937	0.1471007	0.18286423	3.0740921	21	10 24.4	20.1
392426 2010 NZ_{116}	15.7	X	13.98924	171.85614	178.54881	17.03849	0.1581916	0.18140446	3.0905617	21	11 3.9	19.6
392427 2010 OU_{20}	15.9	X	40.05624	184.97804	124.76701	17.10000	0.2974980	0.18273579	3.0755324	21	11 16.1	20.3
392428 2010 OQ_{45}	15.7	X	329.59588	320.47466	356.06654	18.19542	0.1552255	0.16218743	3.3301049	21	6 26.3	20.1
392429 2010 OJ_{51}	15.7	X	60.71985	12.09296	260.50223	12.03692	0.2575142	0.17823245	3.1271223	21	10 9.6	20.4
392430 2010 OG_{76}	15.6	X	41.42644	160.82457	191.13195	35.93812	0.1663514	0.21151050	2.7898537	21	12 17.8	20.2
392431 2010 OE_{107}	16.6	X	142.18367	219.44374	32.61544	12.94716	0.1264064	0.21720496	2.7408771	21	11 27.5	21.1
392432 2010 OM_{110}	15.4	X	11.58042	274.68482	67.77148	17.22934	0.2239262	0.17837806	3.1254203	21	10 30.9	19.0
392433 2010 OF_{119}	16.7	X	221.57188	187.36503	358.23972	15.57386	0.0590674	0.22216805	2.6999039	21	12 4.3	20.8
392434 2010 QS_{5}	15.7	X	39.58930	292.33545	354.34733	12.24782	0.0687276	0.18065967	3.0990499	21	9 8.4	19.8
392435 2010 RV_{56}	16.5	X	36.14096	62.18068	217.58016	5.67645	0.2166834	0.17833301	3.1259466	21	9 11.3	20.4
392436 2010 RZ_{61}	16.5	X	43.31728	130.66586	183.80125	2.51674	0.2295352	0.18331513	3.0690491	21	11 10.6	20.6
392437 2010 RP_{90}	15.9	X	294.45257	205.53580	174.54176	10.82975	0.0644219	0.17216924	3.2001156	21	8 3.9	20.5
392438 2010 RQ_{96}	16.1	X	36.82105	313.37046	14.47779	4.54196	0.1919936	0.18399874	3.0614428	21	11 11.3	20.1
392439 2010 RE_{101}	16.1	X	73.33664	252.23161	2.73793	15.82144	0.2102630	0.17717994	3.1394942	21	9 29.8	20.7
392440 2010 RH_{120}	15.8	X	54.63576	92.44479	220.42485	10.27109	0.1446662	0.18771557	3.0208966	21	11 11.1	20.0
392441 2010 RH_{129}	15.8	X	93.19381	358.80727	244.24410	11.42569	0.0829707	0.18184462	3.0855724	21	9 17.5	20.5
392442 2010 RW_{161}	15.9	X	340.80655	115.34965	227.26993	8.84194	0.1020915	0.17762680	3.1342266	21	8 18.8	19.9
392443 2010 TY_{80}	17.8	X	28.34110	235.64621	205.03471	20.89848	0.1201490	0.38474275	1.8722151	21	—	—
392444 2010 TZ_{103}	15.1	X	182.74626	136.29969	20.66917	27.81310	0.1608674	0.17167662	3.2062345	21	9 21.3	20.6
392445 2010 TF_{178}	15.9	X	248.68795	279.47475	177.45125	11.48508	0.0376185	0.17535622	3.1612240	21	9 17.1	20.3
392446 2010 TV_{185}	13.5	X	284.82378	288.95586	169.39691	20.04430	0.0835558	0.08077906	5.2999305	21	10 18.7	20.4
392447 2010 UN_{11}	16.4	X	336.61504	330.15772	52.91625	2.33003	0.1888788	0.17630632	3.1498566	21	10 6.9	19.6
392448 2010 UF_{40}	17.9	X	325.01253	333.54943	234.85293	4.02762	0.0362197	0.31207501	2.1526002	21	1 15.6	20.5
392449 2010 UQ_{97}	13.7	X	312.88299	324.75666	114.25479	9.83777	0.0585721	0.08549232	5.1033027	21	11 3.9	20.4
392450 2010 VX_{35}	15.9	X	339.92023	127.95405	186.92604	8.69377	0.1079261	0.17125333	3.2115156	21	7 12.9	20.1
392451 2010 VT_{83}	13.8	X	339.53508	328.67536	62.35966	3.25388	0.0619387	0.08008931	5.3303169	21	10 11.2	20.5
392452 2010 VL_{91}	13.6	X	356.84047	333.79914	65.82963	15.62110	0.0231588	0.08399457	5.1637902	21	11 12.2	20.3
392453 2010 VO_{106}	13.9	X	316.05741	330.66267	95.66104	7.14921	0.0862654	0.08392913	5.1664740	21	10 21.5	20.5
392454 2010 VZ_{121}	14.1	X	350.78623	87.95599	292.53255	5.55846	0.0153977	0.08269705	5.2176633	21	10 10.4	21.0
392455 2010 VE_{143}	13.9	X	334.61880	326.04695	77.97507	13.09078	0.0597966	0.08504919	5.1210134	21	10 24.2	20.5
392456 2010 VB_{164}	13.9	X	274.76357	63.31733	50.90360	9.52242	0.0480521	0.08230313	5.2342985	21	10 27.8	20.7
392457 2010 VV_{171}	13.8	X	332.34160	349.57115	64.97705	9.14289	0.0459387	0.08176277	5.2573351	21	10 30.2	20.6
392458 2010 VU_{201}	14.1	X	282.29953	2.47722	116.00351	10.02249	0.0559882	0.08254271	5.2241650	21	11 10.9	21.0
392459 2010 WE_{20}	14.1	X	330.03392	348.28393	69.90729	10.16619	0.0545993	0.08235230	5.2322147	21	10 31.6	20.8
392460 2010 XY_{9}	14.2	X	278.95322	1.11258	112.98736	8.42754	0.0768078	0.08110286	5.2858147	21	10 30.5	21.1
392461 2010 XT_{65}	13.8	X	269.23228	32.60801	82.75616	8.58793	0.0560256	0.08061302	5.3072057	21	10 23.6	20.8
392462 2010 XB_{77}	14.0	X	351.81359	298.48427	94.31603	8.71691	0.0713773	0.08108779	5.2864698	21	10 30.8	20.7
392463 2011 BG_{58}	17.3	X	153.03550	336.68443	28.05608	1.30620	0.0998702	0.19741129	2.9211559	21	2 6.6	21.5
392464 2011 BD_{109}	17.2	X	53.09014	35.42393	182.25478	4.69638	0.0745256	0.21999571	2.7176482	21	6 27.8	20.6
392465 2011 CT_{5}	17.9	X	197.04873	92.37690	134.57136	23.96426	0.0584309	0.35792546	1.9646008	21	—	—
392466 2011 CB_{66}	17.2	X	183.72110	225.98877	6.85961	31.55981	0.2497912	0.34848416	1.9999264	21	12 29.8	21.0
392467 2011 CH_{67}	17.5	X	213.92571	169.25463	67.19655	2.42714	0.1254784	0.26605472	2.3941723	21	—	—
392468 2011 CF_{70}	16.8	X	272.85018	110.33273	44.38469	6.38642	0.0736677	0.26632150	2.3925732	21	—	—
392469 2011 EJ_{36}	17.4	X	259.53012	83.71865	76.77188	2.22718	0.1337559	0.25564779	2.4523232	21	12 21.5	20.3
392470 2011 EK_{68}	16.4	X	17.17672	188.44075	178.00297	13.85868	0.1074197	0.24644077	2.5195773	21	12 5.8	19.7
392471 2011 FW_{3}	16.6	X	284.96129	327.51682	47.96224	7.04229	0.0404070	0.22360010	2.6883639	21	7 24.9	20.3
392472 2011 FS_{31}	18.0	X	21.39071	31.69532	195.27372	8.51615	0.1327722	0.29897811	2.2150139	21	5 18.4	19.7
392473 2011 FW_{31}	18.2	X	66.34475	27.61013	182.01136	4.15205	0.1202657	0.30713167	2.1756364	21	7 14.2	20.5
392474 2011 FP_{47}	17.7	X	63.35390	105.67908	45.76734	6.92649	0.0906295	0.29153063	2.2525784	21	4 7.4	19.8
392475 2011 FA_{145}	17.9	X	104.75402	229.31842	202.93667	7.86882	0.2097639	0.29706130	2.2245320	21	3 3.0	20.4
392476 2011 GD_{3}	19.1	X	316.65350	357.48228	39.28404	13.69117	0.6603213	0.63824679	1.3360118	21	6 9.7	19.5
392477 2011 GA_{52}	16.2	X	230.69439	188.47535	193.27759	17.75038	0.1269716	0.20967419	2.8061189	21	5 16.0	20.7
392478 2011 GJ_{74}	16.6	X	274.72628	326.05351	50.98068	13.73693	0.0438385	0.21333427	2.7739309	21	7 11.4	20.6
392479 2011 HU_{11}	17.5	X	305.53905	186.73118	75.90791	7.43007	0.0698284	0.28371836	2.2937412	21	3 11.2	20.4
392480 2011 HT_{14}	17.6	X	342.40873	168.50047	49.20419	8.90246	0.0521260	0.28669714	2.2778256	21	3 4.4	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392481 2011 HC_{22}	18.0	X	70.01350	37.53115	114.92944	3.78717	0.1039622	0.29406702	2.2396071	21	4 21.9	20.2
392482 2011 HQ_{31}	18.2	X	339.81467	237.08061	36.11220	6.45280	0.0512898	0.30059355	2.2070709	21	5 13.9	20.5
392483 2011 HX_{31}	16.0	X	215.00591	301.26867	87.63060	13.16836	0.0567303	0.19858488	2.9096356	21	5 14.8	20.4
392484 2011 HA_{51}	16.3	X	344.45370	243.55939	120.76223	10.80763	0.1435612	0.22287700	2.6941755	21	10 9.9	19.3
392485 2011 HY_{59}	17.7	X	314.87845	153.30996	137.16285	6.36480	0.1482932	0.29107993	2.2549030	21	4 18.3	20.2
392486 2011 HE_{76}	17.5	X	7.01797	107.31948	119.58329	6.45599	0.0599650	0.29195100	2.2504156	21	4 23.6	19.9
392487 2011 JK_{10}	17.2	X	335.44502	299.89925	348.36828	4.49552	0.1501565	0.29833437	2.2181991	21	5 15.9	19.3
392488 2011 KN_{2}	17.9	X	13.42292	236.10719	82.52559	3.88322	0.1984954	0.31105489	2.1573040	21	10 19.5	19.5
392489 2011 KM_{8}	17.8	X	274.48444	123.44907	175.28664	5.02706	0.2273695	0.27895356	2.3197870	21	2 26.5	21.2
392490 2011 KH_{15}	17.8	X	25.78576	126.44618	119.15608	4.46390	0.1220872	0.30035627	2.2082331	21	6 27.2	19.4
392491 2011 KQ_{30}	17.9	X	40.38782	238.18171	32.56110	4.24783	0.1718757	0.30839428	2.1696941	21	9 17.4	19.9
392492 2011 KL_{40}	17.6	X	270.03167	277.15638	13.55078	4.49667	0.1375171	0.27688835	2.3313077	21	2 22.6	21.0
392493 2011 LJ_{17}	17.4	X	262.91353	175.85319	145.47444	12.23899	0.2818223	0.27939901	2.3173207	21	3 15.2	21.3
392494 2011 NS	17.2	X	199.03183	67.57133	243.13170	0.37725	0.1954410	0.25519763	2.4616046	21	1 13.7	21.3
392495 2011 OL_{6}	17.8	X	266.19650	142.88253	153.32635	2.58081	0.2340928	0.27102700	2.3647996	21	2 16.9	21.5
392496 2011 OW_{12}	17.2	X	273.89435	308.85829	301.33058	5.38435	0.0997494	0.26039612	2.4287327	21	1 11.2	20.6
392497 2011 OK_{15}	16.9	X	6.62345	188.74391	359.49258	7.62233	0.0515918	0.26861850	2.3789142	21	2 27.8	19.5
392498 2011 OR_{20}	17.7	X	2.76117	155.22707	116.91165	5.54658	0.2277419	0.29278401	2.2461451	21	6 22.0	18.7
392499 2011 OH_{25}	18.0	X	290.05660	322.47911	329.60124	1.83609	0.2025936	0.27599348	2.3363442	21	3 8.9	21.1
392500 2011 OS_{27}	17.0	X	251.12967	278.66556	343.21606	5.98311	0.1847022	0.26009243	2.4306228	21	—	—
392501 2011 OD_{28}	16.5	X	256.15718	211.41359	198.22634	9.08551	0.0933840	0.18961807	3.0006562	21	7 19.4	21.0
392502 2011 OE_{31}	16.4	X	218.95975	221.34048	190.56787	9.06641	0.0633069	0.18197230	3.0841289	21	6 14.6	21.2
392503 2011 OJ_{43}	17.8	X	251.89307	262.51133	11.56931	0.98820	0.1761691	0.26194807	2.4191302	21	1 13.7	21.7
392504 2011 OW_{44}	17.2	X	212.66731	197.91324	116.88394	3.56013	0.2017609	0.25710401	2.4494212	21	1 29.9	21.2
392505 2011 OX_{46}	17.1	X	234.20678	212.03762	90.98043	4.72873	0.0882609	0.26344423	2.4099623	21	2 5.3	20.5
392506 2011 OJ_{51}	15.7	X	287.10156	36.12415	313.71548	17.20586	0.2102148	0.18658687	3.0330669	21	5 23.8	20.4
392507 2011 PP_{4}	17.8	X	289.36045	99.37015	188.02525	5.03207	0.1708085	0.27427532	2.3460912	21	3 5.6	21.2
392508 2011 PT_{4}	17.1	X	205.00971	129.65942	181.14529	2.14321	0.1648074	0.25411993	2.4685593	21	1 17.7	20.9
392509 2011 PE_{12}	16.6	X	334.67234	340.72451	141.11113	18.29432	0.0705027	0.23970070	2.5665901	21	—	—
392510 2011 PR_{12}	16.8	X	209.52859	252.55234	69.82435	6.72394	0.1376513	0.25765637	2.4459193	21	2 6.3	20.6
392511 2011 PF_{13}	17.8	X	279.48263	186.56792	120.37145	3.50796	0.1970546	0.27457758	2.3443692	21	3 19.7	21.1
392512 2011 QM_{17}	16.7	X	352.75395	28.13766	334.60802	5.31331	0.0855553	0.20148192	2.8816772	21	10 8.8	20.3
392513 2011 QR_{18}	17.5	X	165.06395	85.75103	220.82479	6.82978	0.2029663	0.23935625	2.5690519	21	—	—
392514 2011 QX_{19}	16.9	X	280.78010	166.68886	309.37979	3.63090	0.0138406	0.21403182	2.7679005	21	11 28.9	20.7
392515 2011 QM_{26}	17.5	X	250.85025	64.63092	233.58247	1.74237	0.2028802	0.26288979	2.4133496	21	2 8.7	21.4
392516 2011 QG_{27}	17.4	X	243.64800	110.51790	214.19028	1.85423	0.2023690	0.26468720	2.4024116	21	3 6.6	21.4
392517 2011 QM_{27}	16.2	X	359.29126	280.96895	155.59908	22.12206	0.0479079	0.22923849	2.6440989	21	—	—
392518 2011 QB_{30}	16.9	X	80.84148	301.53777	359.27648	3.47995	0.0983186	0.21478206	2.7614513	21	11 23.8	20.8
392519 2011 QE_{30}	15.9	X	195.89828	239.95383	343.52250	16.77502	0.1316002	0.22817228	2.6523294	21	12 18.4	20.3
392520 2011 QW_{30}	17.8	X	323.74630	306.02912	0.23752	6.12326	0.2417852	0.28462774	2.2888530	21	5 5.8	20.2
392521 2011 QH_{36}	17.1	X	216.26342	300.42699	12.02713	2.89657	0.1953584	0.25435473	2.4670399	21	1 31.0	21.2
392522 2011 QM_{36}	16.3	X	341.24535	175.71842	162.63679	4.84729	0.1425350	0.19330587	2.9623704	21	8 16.8	19.5
392523 2011 QW_{42}	17.7	X	310.63629	263.46271	347.41781	3.00822	0.0952760	0.26646182	2.3917331	21	2 24.8	20.8
392524 2011 QT_{43}	15.5	X	264.75999	171.41550	175.82522	25.53858	0.1264142	0.17339175	3.1850562	21	5 13.1	20.6
392525 2011 QH_{49}	17.6	X	156.71888	315.39703	343.17043	3.97530	0.1430189	0.23403726	2.6078306	21	—	—
392526 2011 QO_{55}	18.0	X	299.27403	349.77231	293.28111	1.91467	0.2102377	0.27063271	2.3670959	21	3 6.7	21.4
392527 2011 QY_{60}	16.1	X	228.21509	60.55130	314.00324	10.36064	0.0709605	0.16964833	3.2317394	21	5 5.2	21.2
392528 2011 QC_{61}	16.1	X	279.71607	63.18037	315.90366	9.03567	0.1196838	0.18418059	3.0594274	21	7 8.9	20.3
392529 2011 QU_{61}	16.2	X	37.76186	100.48499	245.66929	5.23525	0.0534378	0.20889759	2.8130693	21	11 21.0	20.0
392530 2011 QK_{65}	16.2	X	321.16938	214.21479	148.77581	11.72739	0.1146462	0.19325246	2.9629162	21	8 17.9	19.7
392531 2011 QH_{66}	16.7	X	115.80370	185.40874	140.98150	15.01057	0.2494862	0.22946297	2.6423742	21	—	—
392532 2011 QW_{69}	17.1	X	276.27366	341.35331	307.24540	6.00507	0.1080565	0.26766410	2.3845657	21	2 27.8	20.4
392533 2011 QK_{72}	16.7	X	260.36322	206.49489	82.98934	5.65047	0.1841226	0.26121601	2.4236478	21	2 10.2	20.5
392534 2011 QY_{91}	16.7	X	72.90283	48.20055	263.85866	4.22934	0.0697232	0.21197847	2.7857462	21	11 25.0	20.5
392535 2011 QZ_{92}	16.6	X	7.28089	49.69534	322.88614	9.64192	0.1295813	0.20626853	2.8369220	21	11 17.8	20.2
392536 2011 QX_{94}	17.2	X	313.72383	109.47750	330.88092	5.45163	0.0307806	0.21217754	2.7840035	21	11 24.6	20.9
392537 2011 QE_{95}	15.8	X	233.40862	225.45632	157.52966	28.31422	0.1926843	0.17495567	3.1660471	21	5 21.2	21.5
392538 2011 QA_{99}	15.4	X	289.78748	318.74610	36.00292	28.03124	0.2020525	0.17617718	3.1513958	21	5 30.2	20.2
392539 2011 RO_{1}	16.2	X	353.74818	315.55168	342.24281	15.55863	0.0314910	0.18528867	3.0472176	21	7 20.4	20.5
392540 2011 RG_{6}	17.0	X	95.61866	173.64574	183.32298	9.62275	0.0390547	0.22921686	2.6442652	21	—	—
392541 2011 RP_{11}	16.7	X	32.30089	162.97555	192.81622	6.02854	0.0594299	0.20878510	2.8140796	21	11 27.8	20.4
392542 2011 RY_{16}	16.1	X	346.39407	173.89680	145.17941	6.70674	0.1601436	0.18783248	3.0196429	21	7 29.2	19.3
392543 2011 RZ_{17}	16.1	X	160.34108	257.14273	205.43816	12.17951	0.0439552	0.17099429	3.2147581	21	6 12.0	21.0
392544 2011 SW_{4}	18.1	X	268.65549	128.16290	196.52308	4.40121	0.2418833	0.27096973	2.3651328	21	3 25.5	21.9
392545 2011 SM_{10}	17.2	X	174.87762	320.88235	307.53881	4.68988	0.2012043	0.23227340	2.6210163	21	—	—
392546 2011 SC_{13}	16.8	X	30.85934	94.43489	249.09954	6.27066	0.1418578	0.20954797	2.8072456	21	11 20.9	20.4
392547 2011 SX_{18}	16.3	X	194.01684	165.86006	283.92813	7.91507	0.0843614	0.18012840	3.1051405	21	7 3.5	21.1
392548 2011 SM_{27}	16.6	X	84.44537	143.16142	207.75056	13.19168	0.2154272	0.22352870	2.6889364	21	—	—
392549 2011 SY_{32}	17.5	X	275.75891	158.92502	170.15093	2.72604	0.2447286	0.27369929	2.3493818	21	4 7.4	20.8
392550 2011 SZ_{43}	18.1	X	309.94252	47.65752	251.17434	1.70988	0.2431571	0.27791440	2.3255661	21	4 4.6	21.0
392551 2011 SM_{44}	16.5	X	165.81941	278.98622	186.65166	9.20932	0.1565408	0.17274157	3.1930432	21	6 25.2	21.8
392552 2011 SA_{46}	16.4	X	228.35788	231.39268	190.28016	9.35389	0.0806239	0.17992388	3.1074931	21	7 4.8	21.3
392553 2011 SO_{46}	16.2	X	314.82031	8.00869	8.98887	10.16939	0.0813988	0.19030175	2.9934651	21	9 2.6	20.1
392554 2011 SK_{50}	16.7	X	275.72683	69.79467	244.78752	6.33243	0.2251410	0.26808232	2.3820851	21	3 18.8	20.4
392555 2011 SW_{52}	17.8	X	264.98598	276.80980	17.68303	1.43258	0.1852186	0.26073112	2.4266518	21	2 19.3	21.5
392556 2011 SP_{58}	16.3	X	78.57898	194.30279	346.92866	8.46421	0.0270486	0.17506772	3.1646960	21	6 8.2	20.8
392557 2011 SW_{67}	17.5	X	288.96198	75.39020	234.89297	3.81682	0.2523152	0.27364938	2.3496675	21	3 24.4	21.0
392558 2011 SO_{71}	17.6	X	271.09828	39.08105	265.39573	1.77153	0.1925316	0.26591767	2.3949948	21	3 6.9	21.4
392559 2011 SC_{74}	16.5	X	101.22599	162.52477	209.74872	14.96742	0.1548484	0.23231865	2.6206760	21	—	—
392560 2011 SD_{74}	16.0	X	109.88656	337.83007	275.62180	8.08217	0.0859601	0.20519232	2.8468329	21	10 23.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392561 2011 SQ_{79}	17.2	X	154.40636	97.67526	183.30221	4.22605	0.0663335	0.22445896	2.6815017	21	—	—
392562 2011 SK_{83}	16.0	X	309.85886	15.62045	8.41757	13.09498	0.1344353	0.18846889	3.0128414	21	8 30.6	19.8
392563 2011 SD_{86}	16.9	X	290.48643	234.70143	61.53520	7.67918	0.2775251	0.26651280	2.3914282	21	3 11.7	20.6
392564 2011 SW_{91}	16.7	X	80.66948	15.22187	329.74538	2.40236	0.0859980	0.21488946	2.7605311	21	—	—
392565 2011 SA_{94}	17.3	X	178.60366	331.19892	322.68060	4.26698	0.2218966	0.23362564	2.6108929	21	—	—
392566 2011 ST_{103}	16.4	X	75.22220	291.38142	77.73964	6.93258	0.1694887	0.22172343	2.7035122	21	—	—
392567 2011 SG_{111}	17.4	X	210.71826	314.13106	4.24092	6.91386	0.2210577	0.25511828	2.4621150	21	2 4.0	21.7
392568 2011 SU_{115}	15.7	X	258.33352	4.57953	26.38219	12.55215	0.1893894	0.17829409	3.1264015	21	6 16.9	20.6
392569 2011 SQ_{116}	16.7	X	140.99109	295.33356	23.32604	8.85980	0.1122390	0.23175998	2.6248859	21	—	—
392570 2011 SN_{117}	16.1	X	339.45957	2.39329	345.58763	9.71796	0.1026398	0.18992725	2.9973988	21	8 30.0	19.7
392571 2011 SG_{119}	16.1	X	354.22471	209.57115	67.11350	10.12044	0.0382969	0.17442649	3.1724473	21	6 18.2	20.3
392572 2011 SU_{119}	17.3	X	269.11711	144.87839	162.32019	1.82868	0.1942185	0.26593405	2.3948965	21	3 9.3	20.8
392573 2011 SQ_{122}	16.3	X	358.33911	163.75268	190.97987	10.67605	0.1477920	0.19512602	2.9439195	21	10 12.6	19.6
392574 2011 SZ_{124}	15.6	X	328.26164	288.15359	18.95432	15.18951	0.0972703	0.17609633	3.1523603	21	6 14.2	20.0
392575 2011 SG_{128}	16.5	X	135.12796	143.72202	37.33480	10.34743	0.0196417	0.18006053	3.1059207	21	8 23.7	21.1
392576 2011 SS_{130}	17.3	X	106.08331	199.79193	158.61110	4.47213	0.1878813	0.22794036	2.6541282	21	—	—
392577 2011 SB_{140}	17.2	X	172.37733	99.07161	188.91015	5.23582	0.1033525	0.22842048	2.6504078	21	—	—
392578 2011 SR_{141}	16.0	X	198.84429	129.31125	21.55862	14.90488	0.0481340	0.19230134	2.9726778	21	9 29.0	20.3
392579 2011 SV_{144}	16.8	X	184.60196	252.24256	326.20474	2.80868	0.0336233	0.20932684	2.8092223	21	12 4.7	20.7
392580 2011 SE_{146}	16.1	X	282.30720	154.66432	207.72915	8.80310	0.0941940	0.17571802	3.1568833	21	6 22.9	20.6
392581 2011 ST_{169}	16.0	X	183.07311	109.11828	21.69844	11.42994	0.0399707	0.18157873	3.0885839	21	8 18.2	20.7
392582 2011 SL_{176}	17.5	X	263.95389	131.40968	154.50695	1.75315	0.1859555	0.26209803	2.4182074	21	2 6.9	21.1
392583 2011 SL_{178}	16.4	X	110.64809	76.68558	220.83865	8.79546	0.0199667	0.21116359	2.7929084	21	12 16.1	20.4
392584 2011 SZ_{180}	16.2	X	339.84758	343.88159	13.11741	3.51797	0.1133570	0.18962285	3.0006058	21	9 11.4	19.8
392585 2011 SC_{183}	16.1	X	318.43497	333.95625	21.34691	16.33219	0.1540698	0.18325846	3.0696818	21	8 5.2	20.1
392586 2011 SU_{188}	15.6	X	163.45817	222.98397	26.63091	34.73296	0.1734621	0.21276113	2.7789103	21	12 3.5	20.8
392587 2011 SM_{195}	17.7	X	256.88046	324.15037	313.32347	0.79296	0.1527010	0.25616380	2.4554111	21	1 24.3	21.6
392588 2011 SC_{199}	16.6	X	48.31693	179.67600	164.47736	6.49715	0.0165067	0.21241633	2.7819166	21	11 28.9	20.5
392589 2011 SG_{200}	16.9	X	271.10247	64.49022	355.66018	11.60044	0.0380977	0.19386136	2.9567087	21	9 2.8	21.0
392590 2011 SH_{201}	16.9	X	167.46650	291.90116	355.99195	7.55427	0.1273056	0.23266371	2.6180842	21	—	—
392591 2011 SQ_{201}	16.7	X	116.81785	287.48797	1.86543	8.79270	0.1079311	0.21875253	2.7279349	21	12 19.5	21.1
392592 2011 SM_{202}	17.6	X	285.18158	296.81703	355.50180	2.25216	0.1929644	0.26500908	2.4004659	21	3 7.1	20.8
392593 2011 SL_{207}	17.3	X	260.94915	41.77198	254.67959	2.53018	0.1243650	0.26254184	2.4154814	21	2 20.8	20.9
392594 2011 SR_{208}	15.9	X	270.46430	7.65797	338.82579	15.21021	0.0759410	0.17306145	3.1891075	21	5 16.9	20.8
392595 2011 SE_{213}	16.7	X	54.64252	152.80356	201.24933	6.08356	0.0694827	0.21094347	2.7948510	21	12 24.7	20.6
392596 2011 SV_{216}	16.2	X	315.08533	30.20558	344.20141	12.21450	0.0263030	0.19446408	2.9505963	21	9 2.4	20.2
392597 2011 SP_{220}	16.2	X	12.86523	250.56343	85.63318	3.30353	0.0292648	0.19788922	2.9164506	21	10 3.4	20.0
392598 2011 SH_{223}	16.7	X	84.76340	117.48222	198.90165	7.10958	0.0872977	0.21164382	2.7886820	21	12 16.3	20.8
392599 2011 SE_{225}	15.9	X	291.80094	70.32636	244.04708	6.62738	0.1951455	0.17151815	3.2082090	21	4 19.7	20.5
392600 2011 SK_{226}	17.0	X	137.01124	347.87175	340.34699	7.98004	0.2090897	0.23085690	2.6317268	21	—	—
392601 2011 SS_{227}	16.0	X	24.03566	330.47768	348.65796	8.57953	0.0486256	0.19244250	2.9712239	21	9 24.7	19.8
392602 2011 SH_{234}	16.5	X	249.82455	220.61658	191.50943	9.66809	0.1465229	0.18298583	3.0727300	21	7 9.1	21.3
392603 2011 SW_{234}	17.4	X	170.66485	187.65699	122.41594	4.64094	0.1749856	0.23694004	2.5864877	21	—	—
392604 2011 SS_{242}	16.6	X	5.87426	242.87833	118.72039	3.04194	0.0754102	0.20211462	2.8756602	21	10 30.4	20.2
392605 2011 SX_{245}	16.2	X	260.48333	149.73851	205.15884	9.76335	0.0460897	0.16957410	3.2326823	21	5 25.6	20.9
392606 2011 SZ_{245}	16.7	X	110.66804	90.83983	201.75255	10.56688	0.1433552	0.21510815	2.7586598	21	12 18.9	21.2
392607 2011 SV_{252}	16.0	X	310.59913	166.10904	172.59356	11.28093	0.0455239	0.18002034	3.1063830	21	7 6.9	20.4
392608 2011 SF_{253}	16.3	X	319.27877	296.70676	28.85952	10.78714	0.0816843	0.17970042	3.1100688	21	6 29.0	20.5
392609 2011 SQ_{254}	16.5	X	273.68625	160.45762	187.08411	10.28312	0.1025091	0.17707492	3.1407353	21	5 24.9	21.1
392610 2011 SM_{255}	17.2	X	137.25532	15.80852	194.72659	1.56671	0.0179021	0.19860817	2.9094080	21	9 28.8	21.3
392611 2011 SH_{258}	16.1	X	18.14213	77.76930	215.44752	9.77298	0.0735939	0.18280909	3.0747102	21	8 12.1	20.3
392612 2011 TA_{7}	16.6	X	167.22956	249.49222	346.88757	14.91139	0.2334652	0.21535154	2.7565808	21	11 27.6	21.7
392613 2011 TY_{8}	16.2	X	280.02466	230.64427	251.73270	4.46267	0.0827085	0.21216286	2.7841319	21	11 28.0	19.7
392614 2011 TM_{10}	16.8	X	179.26281	251.00520	27.26696	6.22692	0.1398474	0.23080829	2.6320963	21	—	—
392615 2011 TU_{13}	16.8	X	274.31952	186.06598	225.69487	8.76657	0.0702503	0.18760372	3.0220971	21	8 16.0	21.1
392616 2011 TX_{15}	16.8	X	190.05249	95.02973	188.99057	27.11118	0.1910212	0.23545028	2.5973865	21	—	—
392617 2011 UV_{3}	16.1	X	207.49329	249.23851	183.96107	14.76505	0.1478483	0.17685480	3.1433409	21	6 23.7	21.4
392618 2011 UF_{9}	15.6	X	165.41200	308.57450	225.05713	20.32490	0.1199095	0.18025180	3.1037231	21	9 8.9	20.9
392619 2011 UM_{13}	16.8	X	168.48396	258.20899	41.93989	9.93940	0.1606543	0.22843676	2.6502818	21	—	—
392620 2011 UK_{22}	16.1	X	312.07428	7.74884	356.99343	9.43921	0.1780147	0.18433960	3.0576678	21	7 30.8	19.9
392621 2011 UM_{23}	16.0	X	137.63082	187.15173	350.41611	10.63468	0.0239515	0.18065052	3.0991545	21	8 20.2	20.5
392622 2011 UO_{24}	15.8	X	330.83157	288.27440	33.42897	15.90548	0.0092810	0.17273164	3.1931657	21	7 20.4	20.5
392623 2011 UF_{30}	16.3	X	134.87247	275.65503	55.13415	12.69608	0.1941590	0.22522626	2.6754081	21	—	—
392624 2011 UG_{30}	15.7	X	303.80214	176.76525	220.48521	10.42295	0.0958015	0.18385780	3.0630072	21	9 3.0	19.8
392625 2011 US_{35}	15.8	X	4.20107	259.58170	61.30590	16.71833	0.2072476	0.18520925	3.0480887	21	9 20.1	19.3
392626 2011 UB_{37}	15.4	X	70.34597	37.30490	219.62909	11.39914	0.0510297	0.17953301	3.1120018	21	9 3.1	19.9
392627 2011 UQ_{38}	16.0	X	328.77670	310.67296	58.24570	9.94758	0.1095686	0.18513974	3.0488515	21	9 13.5	19.9
392628 2011 UH_{41}	16.2	X	234.06245	202.90105	215.78183	8.35521	0.0810091	0.17480197	3.1679027	21	7 7.1	21.0
392629 2011 UL_{44}	16.2	X	33.75570	58.62225	229.36572	5.58867	0.0831925	0.18620317	3.0372322	21	8 30.9	20.3
392630 2011 UR_{44}	15.9	X	95.96337	212.43596	17.85328	11.35137	0.0300131	0.18521868	3.0479853	21	9 7.5	20.3
392631 2011 UH_{72}	16.3	X	159.27219	240.60333	32.54676	12.87053	0.1830064	0.21692261	2.7432549	21	—	—
392632 2011 UW_{73}	16.4	X	215.40243	248.71962	223.03070	8.18692	0.0369033	0.17895020	3.1187550	21	8 23.7	21.1
392633 2011 UE_{79}	15.8	X	55.83725	3.01945	240.93616	8.36984	0.0288281	0.17439730	3.1728014	21	7 27.7	20.3
392634 2011 UN_{92}	16.5	X	119.15987	225.85042	28.17527	15.49621	0.1051414	0.20201713	2.8765853	21	11 4.9	20.9
392635 2011 UJ_{97}	16.3	X	133.58183	325.28385	214.89402	16.31647	0.1433754	0.17930264	3.1146668	21	8 19.4	21.5
392636 2011 UV_{107}	16.0	X	150.07114	64.26908	86.38990	15.82310	0.1345867	0.17316134	3.1878809	21	8 6.8	21.2
392637 2011 UO_{114}	16.8	X	25.14658	268.02077	85.19511	1.86520	0.1156291	0.19652207	2.9299609	21	11 19.4	20.5
392638 2011 UT_{118}	16.8	X	89.03969	264.65537	28.08117	6.70888	0.1046897	0.20502873	2.8483470	21	11 21.8	21.1
392639 2011 UE_{122}	15.8	X	279.06964	177.39964	202.70433	9.59620	0.1576686	0.17817318	3.1278157	21	7 1.5	20.4
392640 2011 UY_{122}	16.2	X	241.39077	207.97022	210.76383	8.40743	0.1760705	0.17501845	3.1652899	21	7 5.5	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392641 2011 UL_{129}	16.0	X	79.94617	11.48252	204.04488	9.49354	0.0172487	0.17693404	3.1424024	21	7 21.3	20.6
392642 2011 UV_{130}	15.6	X	193.91324	89.88730	354.95957	11.22757	0.0557180	0.16821601	3.2500584	21	6 29.1	20.6
392643 2011 UN_{135}	17.8	X	279.30830	79.31558	209.21395	15.25706	0.2549573	0.26235564	2.4166242	21	2 13.7	22.1
392644 2011 UF_{136}	16.6	X	109.27735	286.88033	17.13113	11.49217	0.1109865	0.20943311	2.8082719	21	12 28.9	21.1
392645 2011 UT_{136}	16.4	X	28.82307	271.99525	40.49111	10.89653	0.1269400	0.18867562	3.0106402	21	10 6.8	20.2
392646 2011 UW_{141}	16.0	X	286.30439	250.66752	94.70013	5.18228	0.1835288	0.17271976	3.1933121	21	5 25.5	20.6
392647 2011 UY_{142}	15.7	X	85.52358	187.71489	48.38176	12.89805	0.0938590	0.17511611	3.1641130	21	9 12.7	20.4
392648 2011 UB_{144}	16.3	X	7.26407	355.37972	15.30803	12.09736	0.0662468	0.19823060	2.9131012	21	11 7.0	20.2
392649 2011 UG_{150}	16.7	X	288.42495	24.12270	345.23232	2.86758	0.0771835	0.18087545	3.0965847	21	7 13.7	21.0
392650 2011 UY_{158}	16.2	X	104.44246	124.97516	197.55126	8.29701	0.3775552	0.21894635	2.7263247	21	—	—
392651 2011 UA_{162}	16.1	X	77.78588	269.05709	80.52409	13.15211	0.2594060	0.21402518	2.7679578	21	—	—
392652 2011 UN_{183}	15.8	X	60.69599	261.57291	48.12237	9.58405	0.0954285	0.19176401	2.9782283	21	11 8.2	19.9
392653 2011 UP_{184}	16.6	X	108.81786	155.22648	173.40633	8.95751	0.0762435	0.21627611	2.7487190	21	—	—
392654 2011 UE_{195}	16.1	X	7.06323	299.78776	32.65044	11.25653	0.1061315	0.18722100	3.0262143	21	9 26.8	19.8
392655 2011 UL_{205}	16.0	X	161.90630	336.99743	206.57250	11.87948	0.0616792	0.19653217	2.9298606	21	9 22.8	20.5
392656 2011 UU_{206}	16.3	X	66.27516	304.65649	63.01056	10.27826	0.1647568	0.21617363	2.7495877	21	—	—
392657 2011 UR_{225}	17.4	X	200.76158	136.06484	129.84305	3.16557	0.1559454	0.22989461	2.6390656	21	—	—
392658 2011 US_{226}	16.2	X	52.35730	324.75814	45.11124	6.06620	0.0625853	0.21366096	2.7711025	21	—	—
392659 2011 UP_{237}	16.3	X	207.73850	65.24389	38.91571	9.82915	0.0415963	0.17421387	3.1750280	21	8 12.1	21.1
392660 2011 UP_{245}	16.1	X	115.18087	194.54458	57.07350	9.90927	0.0514075	0.19340207	2.9613880	21	10 28.1	20.4
392661 2011 UO_{255}	15.7	X	345.53724	292.58149	61.74567	11.29133	0.0798107	0.18392471	3.0622642	21	9 22.6	19.7
392662 2011 UK_{256}	15.7	X	254.54491	131.91500	228.26715	10.07695	0.0950456	0.15875545	3.3779272	21	5 18.9	20.6
392663 2011 UN_{268}	16.1	X	145.67133	68.52416	239.20584	12.08003	0.1746114	0.22243841	2.6977158	21	—	—
392664 2011 UY_{283}	16.4	X	110.42902	268.21158	63.48457	12.08324	0.1945329	0.22070295	2.7118394	21	—	—
392665 2011 UH_{287}	17.1	X	192.52865	358.24667	294.47289	3.45140	0.2490939	0.23655097	2.5893230	21	—	—
392666 2011 UV_{290}	16.0	X	300.63172	241.60076	123.35276	9.80934	0.0798605	0.17944767	3.1129884	21	7 23.9	20.2
392667 2011 UV_{296}	15.7	X	319.07164	297.07564	46.54938	23.81833	0.1268046	0.17832893	3.1259943	21	7 21.3	20.1
392668 2011 UE_{302}	15.5	X	311.80272	340.54290	35.43213	18.14262	0.1797754	0.18340974	3.0679936	21	8 21.4	19.5
392669 2011 UR_{305}	16.1	X	277.73439	6.61752	16.94194	10.59536	0.0743840	0.17810289	3.1286387	21	7 20.7	20.6
392670 2011 UV_{305}	16.5	X	96.76369	252.18927	79.35047	14.04344	0.1189974	0.21839255	2.7309317	21	—	—
392671 2011 UN_{307}	15.7	X	46.06568	333.39937	349.97980	8.59850	0.0832674	0.19467294	2.9484854	21	11 1.9	19.9
392672 2011 UA_{322}	15.4	X	312.92113	271.28611	69.50882	18.15211	0.1757250	0.17656335	3.1467990	21	6 25.3	19.4
392673 2011 UN_{324}	16.8	X	181.39753	243.11742	38.86219	6.10340	0.1201926	0.22777464	2.6554154	21	—	—
392674 2011 UR_{324}	16.7	X	67.07550	293.34407	48.65548	6.33413	0.1026714	0.21450898	2.7637944	21	12 30.1	20.7
392675 2011 UT_{339}	16.0	X	273.63866	332.46251	64.32404	11.74100	0.0571192	0.18203621	3.0834071	21	8 4.6	20.5
392676 2011 UJ_{343}	15.9	X	283.19281	319.04071	73.72694	18.12524	0.1307200	0.17988564	3.1079336	21	7 31.7	20.4
392677 2011 US_{344}	16.7	X	324.46185	10.02868	16.63173	5.83066	0.0801674	0.19913525	2.9042720	21	9 28.8	20.2
392678 2011 UH_{348}	15.7	X	94.46420	348.87067	212.46339	12.08351	0.0608591	0.17611471	3.1521409	21	7 26.7	20.4
392679 2011 UR_{355}	16.8	X	103.41086	252.51408	57.11380	6.96926	0.0897983	0.21305267	2.7763746	21	12 28.4	21.0
392680 2011 US_{357}	16.3	X	189.12628	83.41623	64.96219	7.09382	0.0687049	0.18550941	3.0447999	21	9 13.8	20.9
392681 2011 UX_{376}	16.2	X	340.32512	223.45421	88.66386	5.66347	0.1171414	0.17746935	3.1360801	21	7 11.1	20.0
392682 2011 UC_{405}	16.5	X	55.92956	113.96509	194.91501	10.62150	0.1269467	0.20380657	2.8597228	21	11 8.9	20.5
392683 2011 UP_{406}	16.9	X	183.74078	218.53873	101.57945	9.36956	0.2109551	0.24197731	2.5504665	21	1 15.1	21.2
392684 2011 VP_{8}	15.8	X	187.11025	0.00653	83.91661	15.85422	0.0363659	0.16793331	3.2537048	21	6 19.3	20.5
392685 2011 VT_{9}	15.9	X	142.32674	107.94778	38.96211	18.37463	0.0954864	0.16985210	3.2291541	21	7 24.9	21.2
392686 2011 VY_{11}	15.6	X	54.60424	50.97276	246.55357	8.21284	0.0419549	0.18485723	3.0519571	21	10 4.5	19.9
392687 2011 VY_{22}	16.7	X	172.57083	183.07696	136.37921	9.49217	0.1582726	0.23700998	2.5859788	21	1 1.1	20.7
392688 2011 WL_{4}	15.9	X	349.18438	121.61398	231.70785	9.85834	0.0378737	0.18488483	3.0516534	21	9 16.0	20.1
392689 2011 WG_{37}	18.1	X	233.77099	316.48514	220.04883	4.88404	0.0753094	0.30467063	2.1873368	21	12 26.7	20.5
392690 2011 WW_{42}	14.1	X	266.39827	203.89794	254.11912	11.19090	0.0526966	0.08293595	5.2076384	21	9 24.0	21.1
392691 2011 WW_{46}	15.9	X	328.82878	110.90319	273.45631	8.61137	0.0919878	0.18861140	3.0113236	21	9 24.8	19.8
392692 2011 WK_{47}	16.2	X	89.94235	281.34624	68.82723	13.20457	0.1705321	0.21614325	2.7498453	21	—	—
392693 2011 WS_{48}	15.3	X	18.60915	229.09914	88.54917	11.86850	0.0820512	0.18211361	3.0825333	21	9 25.2	19.5
392694 2011 WR_{54}	15.4	X	86.71325	167.91404	55.29375	13.90104	0.0262728	0.17736816	3.1372727	21	8 18.9	20.1
392695 2011 WO_{56}	15.8	X	230.30095	258.69824	77.79457	10.88368	0.1069926	0.14736226	3.5498652	21	3 31.8	21.4
392696 2011 WS_{109}	16.6	X	259.21102	170.74816	217.68905	2.04509	0.0370868	0.16678689	3.2685975	21	7 5.5	21.1
392697 2011 WK_{115}	15.4	X	177.54940	152.76988	199.19789	13.20949	0.1852308	0.23918523	2.5702763	21	2 11.7	19.8
392698 2011 WP_{140}	16.3	X	171.41114	191.91431	67.10495	8.92895	0.1850769	0.21283663	2.7782531	21	12 31.8	21.0
392699 2011 WH_{141}	16.3	X	51.48007	33.03212	270.27955	9.52550	0.1019211	0.19055047	2.9908596	21	10 16.2	20.5
392700 2011 YA_{14}	14.1	X	245.63270	199.55128	314.29489	7.54660	0.0461492	0.08391438	5.1670794	21	11 4.8	21.1
392701 2011 YK_{45}	14.1	X	328.18666	195.87270	238.14625	5.68338	0.0572855	0.08306542	5.2022260	21	11 12.9	20.6
392702 2011 YD_{50}	16.9	X	73.46292	36.15242	86.73859	9.82918	0.1125809	0.23786073	2.5798090	21	3 28.9	20.1
392703 2011 YD_{71}	14.0	X	303.45464	349.29472	76.93990	8.77260	0.0929995	0.08295855	5.2066929	21	10 5.8	20.7
392704 2012 AE_{1}	19.0	X	86.99854	356.53392	16.81574	10.04887	0.4723814	0.53215472	1.5081485	21	—	—
392705 2012 BJ_{20}	15.9	X	221.46687	129.28633	20.06430	10.33664	0.0514341	0.17700211	3.1415966	21	10 17.5	20.4
392706 2012 BJ_{31}	17.0	X	154.41175	263.30567	330.10146	6.38599	0.0752591	0.28409598	2.2917082	21	11 28.5	20.3
392707 2012 BC_{48}	17.9	X	144.26461	166.14290	52.07245	3.13065	0.1643944	0.27254398	2.3560165	21	10 29.1	21.6
392708 2012 BO_{117}	17.6	X	305.04160	221.62363	136.53575	5.60403	0.2420125	0.26622945	2.3931247	21	6 25.5	20.0
392709 2012 BG_{122}	16.2	X	257.73100	227.93857	344.84839	9.64168	0.0677862	0.19477715	2.9474337	21	—	—
392710 2012 BH_{132}	15.6	X	320.15964	257.77675	135.93266	21.67564	0.2486290	0.17680273	3.1439581	21	9 15.2	19.1
392711 2012 BW_{134}	17.2	X	199.50564	295.99929	256.65854	4.66122	0.1793252	0.27926073	2.3180856	21	11 16.6	20.6
392712 2012 BX_{136}	13.0	X	6.16205	276.02768	125.58094	23.17988	0.0675590	0.08366505	5.1773396	21	11 30.6	19.8
392713 2012 DB_{18}	16.4	X	298.55205	123.89890	142.30595	12.48786	0.1683792	0.22531990	2.6746668	21	2 26.5	20.1
392714 2012 DE_{79}	17.2	X	189.62459	262.24303	270.56410	3.80557	0.1328174	0.26760877	2.3848944	21	10 13.3	20.7
392715 2012 FJ_{82}	17.4	X	113.24219	118.40878	109.18881	6.81542	0.1498993	0.25511272	2.4621508	21	10 12.3	21.2
392716 2012 HN_{59}	16.0	X	311.58446	126.18699	94.19865	10.30856	0.0725153	0.20595569	2.8397941	21	2 2.7	20.0
392717 2012 HM_{65}	16.4	X	273.62061	258.10857	84.10804	14.23179	0.2264420	0.21581235	2.7526555	21	5 3.3	20.7
392718 2012 KN	13.1	X	317.25890	75.27293	348.72941	30.47772	0.0534125	0.07959630	5.3523043	21	10 6.8	20.2
392719 2012 KT_{34}	16.3	X	318.41520	292.32633	218.26519	10.30091	0.1549600	0.18116361	3.0933002	21	—	—
392720 2012 MD_{15}	17.6	X	43.41287	290.82795	131.84298	24.34135	0.0619680	0.37836709	1.8931883	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392721 2012 PD	18.1	X	187.09899	88.92681	155.58466	23.94056	0.0680599	0.37040731	1.9202142	21	—	—
392722 2012 PM	17.8	X	269.53378	31.75181	158.11636	23.15465	0.0534596	0.37754790	1.8959258	21	—	—
392723 2012 PD_{24}	17.5	X	118.67866	78.64994	320.58296	4.93678	0.0836424	0.27406659	2.3472822	21	1 23.3	20.3
392724 2012 QF_{23}	17.9	X	169.75963	150.16572	265.44651	2.19445	0.1639232	0.29152636	2.2526004	21	4 21.7	21.3
392725 2012 QY_{37}	17.3	X	80.15291	228.48398	102.72697	1.96678	0.1918343	0.24412946	2.5354551	21	—	—
392726 2012 QD_{39}	17.0	X	353.11999	97.34129	328.89508	12.10020	0.1705106	0.23953989	2.5677387	21	—	—
392727 2012 QB_{40}	17.7	X	44.47217	220.01291	179.31339	23.46908	0.0569388	0.36785544	1.9290845	21	—	—
392728 Zdzislawlaczny	16.5	X	345.77028	297.43235	353.37263	8.75065	0.1085446	0.20415654	2.8564537	21	6 21.0	20.0
392729 2012 RN_{1}	18.1	X	211.38719	91.58795	183.02195	22.65170	0.0560179	0.38153085	1.8827079	21	—	—
392730 2012 RN_{7}	16.5	X	90.11828	225.93836	187.59972	10.39520	0.2166833	0.26181445	2.4199533	21	1 20.3	19.1
392731 2012 RR_{9}	17.6	X	25.52775	284.16509	179.75316	20.80916	0.0676591	0.37636567	1.8998940	21	—	—
392732 2012 RO_{11}	15.8	X	182.00451	51.99165	350.63532	19.67568	0.2513913	0.17586805	3.1550876	21	4 18.5	21.6
392733 2012 RN_{13}	16.6	X	297.22278	220.46272	177.06342	8.24111	0.2109945	0.21186017	2.7867831	21	8 11.4	20.1
392734 2012 RM_{20}	17.0	X	318.07063	102.79918	324.35216	12.65259	0.2400970	0.22063087	2.7124299	21	10 28.8	19.7
392735 2012 RL_{22}	16.1	X	6.66329	31.17554	20.71015	18.52312	0.1909872	0.23321813	2.6139334	21	—	—
392736 2012 RP_{29}	17.6	X	73.28551	200.54854	193.55687	0.99693	0.1907532	0.25592632	2.4569298	21	—	—
392737 2012 RO_{30}	17.1	X	18.00609	84.01665	341.46764	5.42320	0.2553995	0.24416634	2.5351998	21	—	—
392738 2012 RN_{32}	17.6	X	185.68515	251.56274	140.42668	7.53468	0.1265469	0.29083580	2.2561647	21	4 8.8	20.9
392739 2012 SS_{11}	16.7	X	289.16749	82.58940	14.20017	24.61492	0.1901344	0.21976283	2.7195678	21	10 20.2	20.0
392740 2012 SS_{27}	16.7	X	7.65022	15.79007	4.50659	12.96763	0.1512595	0.23048683	2.6345431	21	12 8.1	20.0
392741 2012 SQ_{31}	17.8	X	196.12069	317.30005	77.98260	3.85553	0.1421440	0.29018437	2.2595400	21	4 22.7	21.2
392742 2012 SS_{31}	17.5	X	345.43587	306.62193	136.02047	4.90072	0.0855845	0.23654126	2.5893938	21	—	—
392743 2012 SG_{38}	16.9	X	310.46434	336.94348	2.92767	5.54101	0.0720192	0.20350445	2.8625524	21	7 6.9	20.6
392744 2012 SQ_{54}	16.8	X	1.69480	72.89416	30.12523	12.40265	0.2199151	0.24114609	2.5563240	21	—	—
392745 2012 SD_{60}	16.6	X	315.75273	91.70500	357.60855	11.55735	0.1458810	0.22828441	2.6514608	21	12 8.6	19.6
392746 2012 SX_{62}	17.3	X	180.36106	188.86252	228.61946	5.96469	0.0825477	0.29436685	2.2380861	21	5 2.0	20.3
392747 2012 TU_{2}	17.4	X	112.27515	218.67911	211.15805	4.12095	0.1284777	0.27246698	2.3564603	21	3 2.4	20.3
392748 2012 TA_{3}	17.7	X	102.61945	269.87331	185.66452	11.35945	0.2022024	0.27723567	2.3293602	21	4 7.5	20.3
392749 2012 TF_{3}	18.7	X	262.99540	25.94157	358.32697	0.99620	0.1665692	0.30995999	2.1623814	21	6 14.6	21.5
392750 2012 TD_{6}	17.2	X	70.58982	50.80630	4.25887	12.57013	0.1579999	0.25621432	2.4550883	21	—	—
392751 2012 TD_{9}	17.6	X	189.85345	205.56612	194.53520	6.94208	0.1221019	0.28998465	2.2605774	21	4 21.7	20.8
392752 2012 TK_{10}	16.6	X	355.93381	34.39442	356.81020	6.57848	0.1656456	0.22682575	2.6628159	21	12 4.8	19.5
392753 2012 TP_{12}	16.9	X	264.42470	303.67107	206.10527	12.03298	0.1158913	0.22884898	2.6470982	21	12 10.6	20.4
392754 2012 TQ_{15}	17.7	X	162.54592	307.69717	28.27122	22.17443	0.0870460	0.37897723	1.8911558	21	—	—
392755 2012 TC_{17}	18.0	X	82.82347	60.52726	24.84489	1.66248	0.1562881	0.26829223	2.3808424	21	2 14.3	20.4
392756 2012 TX_{21}	17.2	X	54.89630	359.12729	15.56174	1.78645	0.1458953	0.24135496	2.5548489	21	—	—
392757 2012 TH_{22}	18.3	X	293.27086	136.27714	232.13541	1.54986	0.0893548	0.31395898	2.1439802	21	7 19.0	20.3
392758 2012 TD_{32}	18.0	X	78.98637	224.73068	217.22056	2.12003	0.1406968	0.26543135	2.3979193	21	1 30.4	20.3
392759 2012 TD_{34}	17.5	X	239.56209	357.54280	348.86520	4.03612	0.1815451	0.29360438	2.2419591	21	3 28.3	20.8
392760 2012 TK_{35}	14.5	X	331.72745	21.62263	285.24260	1.44710	0.0831335	0.08364942	5.1779848	21	6 24.2	21.1
392761 2012 TT_{53}	17.5	X	213.95744	223.50892	191.24006	4.97847	0.1651750	0.30001275	2.2099184	21	6 3.9	20.9
392762 2012 TC_{56}	16.3	X	353.15640	39.49051	19.51339	32.16809	0.1717671	0.23251857	2.6191736	21	—	—
392763 2012 TG_{56}	17.2	X	38.11885	24.73303	28.38915	13.88209	0.2186072	0.24067065	2.5596895	21	—	—
392764 2012 TC_{57}	16.5	X	320.98365	257.51922	223.14523	20.38960	0.1351438	0.23341451	2.6124670	21	—	—
392765 2012 TH_{57}	16.8	X	45.83347	354.66961	40.57544	10.68679	0.1181004	0.23843683	2.5756518	21	—	—
392766 2012 TJ_{57}	16.8	X	328.47494	262.44017	212.73230	12.77412	0.2241676	0.23433213	2.6056425	21	—	—
392767 2012 TT_{60}	17.3	X	159.98873	64.13909	208.05489	24.18856	0.0776901	0.35364626	1.9804171	21	—	—
392768 2012 TJ_{62}	17.5	X	225.03169	226.19034	195.12237	6.46759	0.0724850	0.30432761	2.1889801	21	7 1.2	20.4
392769 2012 TY_{70}	16.8	X	270.52773	245.93982	228.47684	13.48951	0.2845379	0.21769877	2.7367307	21	10 1.9	20.7
392770 2012 TK_{86}	17.6	X	72.92920	110.47970	18.22993	4.37876	0.1262792	0.27689156	2.3312897	21	3 26.4	20.0
392771 2012 TO_{88}	16.8	X	313.09225	197.59308	195.23252	3.46604	0.1645191	0.21254193	2.7808206	21	9 10.2	19.9
392772 2012 TO_{91}	17.7	X	64.31111	348.38025	115.08348	2.23769	0.1278069	0.26902039	2.3765443	21	2 2.7	19.9
392773 2012 TG_{92}	17.0	X	286.68289	324.65126	181.47689	17.61163	0.0972258	0.24103515	2.5571083	21	—	—
392774 2012 TW_{92}	17.9	X	116.93216	12.81799	67.63718	4.57514	0.0706633	0.28059676	2.3107215	21	3 17.3	20.7
392775 2012 TX_{92}	17.4	X	123.98213	355.30604	52.71438	6.14207	0.2198836	0.27120224	2.3637808	21	3 6.9	20.6
392776 2012 TT_{95}	17.2	X	290.30129	127.81901	344.53041	3.64082	0.2159132	0.22361859	2.6882157	21	11 14.0	20.0
392777 2012 TO_{104}	17.0	X	305.17817	279.76440	206.81355	12.47105	0.1949543	0.23495140	2.6010619	21	—	—
392778 2012 TU_{105}	18.1	X	284.75879	153.64697	216.32552	4.32784	0.0186622	0.31203856	2.1527679	21	7 18.9	20.4
392779 2012 TZ_{107}	17.5	X	102.58103	295.14587	222.57132	8.26321	0.1282832	0.29469599	2.2364193	21	6 21.5	20.3
392780 2012 TW_{111}	17.2	X	255.62318	312.14221	220.92274	12.94546	0.1997624	0.23716306	2.5848659	21	12 16.9	20.5
392781 2012 TR_{114}	16.7	X	257.89424	139.12894	358.59809	13.19576	0.1881393	0.22428707	2.6828716	21	10 29.9	20.5
392782 2012 TC_{119}	17.8	X	103.84164	213.98236	276.72124	4.86241	0.1161160	0.28865790	2.2674989	21	5 12.2	20.6
392783 2012 TF_{129}	16.9	X	330.61708	208.10839	188.86479	6.67935	0.1172393	0.22028139	2.7152981	21	10 25.4	19.8
392784 2012 TG_{130}	17.3	X	1.14416	144.29127	283.01943	3.47601	0.1614286	0.23730140	2.5838612	21	—	—
392785 2012 TU_{142}	16.7	X	355.05691	285.80639	158.41599	9.71636	0.1817604	0.23816798	2.5775897	21	—	—
392786 2012 TF_{150}	17.7	X	45.72489	135.84413	357.62750	2.67362	0.1186162	0.26796130	2.3828022	21	2 12.4	19.9
392787 2012 TN_{153}	17.2	X	205.88541	48.05179	40.02439	0.79369	0.2424079	0.19214232	2.9743178	21	7 6.9	22.2
392788 2012 TD_{161}	17.5	X	113.89619	21.56559	37.05072	6.79800	0.1053279	0.27140548	2.3626006	21	2 18.9	20.4
392789 2012 TS_{163}	17.5	X	302.72294	300.50070	181.16955	11.44631	0.1283875	0.23326733	2.6135658	21	—	—
392790 2012 TO_{165}	17.6	X	5.65845	79.92947	52.57482	2.71913	0.1100237	0.25947570	2.4344728	21	—	—
392791 2012 TZ_{168}	17.7	X	130.19354	268.91548	160.36898	6.38738	0.0742232	0.27731112	2.3289376	21	3 19.2	20.5
392792 2012 TV_{176}	18.3	X	87.50951	236.74028	193.61219	2.36188	0.1666276	0.26605790	2.3941532	21	2 1.3	20.7
392793 2012 TQ_{185}	16.8	X	276.53371	100.48016	338.00498	7.78233	0.2744179	0.21113459	2.7931641	21	8 28.4	20.5
392794 2012 TH_{186}	16.4	X	300.28440	94.41514	48.31008	21.90651	0.0724500	0.23342642	2.6123781	21	—	—
392795 2012 TK_{186}	16.3	X	242.24619	18.87476	45.16814	11.66107	0.1614980	0.19179128	2.9779459	21	7 17.8	21.0
392796 2012 TV_{187}	17.4	X	221.99073	202.55544	172.38652	20.93915	0.1172713	0.29277883	2.2461716	21	4 25.0	20.9
392797 2012 TP_{188}	17.0	X	354.53140	340.12882	17.54131	6.60673	0.0418366	0.21881695	2.7273994	21	10 7.8	20.4
392798 2012 TB_{190}	16.5	X	3.85672	86.37805	260.80338	4.39326	0.0362693	0.21384737	2.7694920	21	10 3.8	20.1
392799 2012 TS_{192}	17.2	X	296.77786	286.16682	279.81408	6.50312	0.0624798	0.26421068	2.4052993	21	—	—
392800 2012 TL_{194}	17.1	X	298.00119	300.59438	203.57254	11.12753	0.1000397	0.23705054	2.5856838	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392801 2012 TS_{197}	16.5	X	334.53763	122.14105	331.69815	12.06170	0.1227035	0.23300426	2.6155327	21	—	—
392802 2012 TN_{198}	17.2	X	317.00388	107.95619	329.02600	3.18128	0.0943125	0.22646569	2.6656376	21	11 26.2	20.2
392803 2012 TS_{206}	17.2	X	342.12009	209.29515	257.36958	7.73916	0.1192364	0.24017449	2.5632136	21	—	—
392804 2012 TL_{210}	15.6	X	231.07523	228.93023	161.58058	9.69334	0.0305224	0.19097731	2.9864015	21	6 5.4	20.0
392805 2012 TA_{213}	17.4	X	353.50443	280.70744	234.71009	1.38033	0.1487119	0.26127361	2.4232916	21	—	—
392806 2012 TT_{213}	17.0	X	0.77049	120.30543	330.82777	5.14958	0.0837713	0.24401116	2.5362745	21	—	—
392807 2012 TD_{223}	17.1	X	5.76505	339.89039	52.92650	6.61388	0.0499996	0.22279061	2.6948719	21	12 9.3	20.6
392808 2012 TD_{232}	16.6	X	357.73378	199.74131	175.60116	13.59945	0.1802499	0.22498404	2.6773279	21	11 21.2	19.6
392809 2012 TG_{241}	17.2	X	329.28538	53.76396	31.29071	6.55640	0.1100371	0.22839478	2.6506065	21	12 29.3	20.2
392810 2012 TC_{242}	17.6	X	111.58415	307.67950	191.72524	7.02561	0.1000854	0.29433103	2.2382676	21	6 3.9	20.5
392811 2012 TR_{243}	17.5	X	341.67216	290.32132	160.45969	3.83386	0.0917431	0.23842594	2.5757303	21	—	—
392812 2012 TX_{245}	17.0	X	212.76251	246.64755	184.95383	2.58276	0.1994445	0.18696841	3.0289392	21	6 24.3	22.1
392813 2012 TF_{257}	16.6	X	32.03411	74.49010	285.84328	8.48779	0.0358114	0.22739244	2.6583900	21	12 2.2	20.1
392814 2012 TH_{258}	17.7	X	125.90973	294.72133	187.75967	2.06334	0.1009910	0.29258062	2.2471859	21	5 29.2	20.4
392815 2012 TF_{276}	17.5	X	330.34627	203.83519	349.31676	7.55697	0.1119123	0.26884009	2.3776068	21	1 2.7	20.6
392816 2012 TR_{282}	18.0	X	133.51145	292.45540	32.34658	20.04531	0.0440286	0.36227028	1.9488612	21	—	—
392817 2012 TZ_{283}	17.8	X	312.43562	277.50763	166.15290	2.85418	0.1705422	0.22427600	2.6829599	21	11 24.3	20.3
392818 2012 TY_{286}	16.8	X	336.92028	34.53133	49.47321	13.35062	0.1436817	0.23152724	2.6266446	21	—	—
392819 2012 TY_{290}	16.8	X	259.00056	80.32829	45.84155	13.13586	0.1648689	0.21622514	2.7491509	21	10 25.7	20.4
392820 2012 TE_{293}	17.0	X	208.56729	141.59422	354.22664	7.04064	0.2777128	0.19911430	2.9044757	21	9 3.7	22.0
392821 2012 TU_{294}	17.0	X	36.90554	132.98179	233.55154	4.53528	0.0181689	0.22710191	2.6606568	21	12 14.5	20.4
392822 2012 TJ_{295}	17.0	X	335.33334	348.00024	44.74766	5.52720	0.1218847	0.21531405	2.7569008	21	10 26.4	19.9
392823 2012 TP_{297}	16.5	X	283.34180	309.97754	121.50072	11.44747	0.2489241	0.21118620	2.7927090	21	9 4.3	20.1
392824 2012 TD_{300}	17.6	X	353.65175	235.52629	50.27105	3.42389	0.0321540	0.29932705	2.2132921	21	6 28.9	19.8
392825 2012 TP_{302}	16.8	X	314.06650	226.23201	180.80350	8.60273	0.1204433	0.21814191	2.7330232	21	10 9.6	19.9
392826 2012 TT_{302}	17.1	X	263.83755	253.27508	185.91496	4.67663	0.1305911	0.20923106	2.8100796	21	9 2.3	21.1
392827 2012 TU_{303}	17.6	X	119.43029	66.16843	36.17578	4.12592	0.0498367	0.28687146	2.2769028	21	4 14.4	20.3
392828 2012 TJ_{305}	16.7	X	10.12895	355.84200	62.36120	15.06235	0.1493471	0.23445536	2.6047294	21	—	—
392829 2012 TL_{305}	16.3	X	331.94794	288.20216	83.56135	9.86376	0.1687228	0.21086730	2.7955240	21	9 23.5	19.4
392830 2012 TD_{308}	16.6	X	178.22599	73.53536	355.93787	15.18211	0.2333039	0.17504396	3.1649824	21	5 20.4	22.3
392831 2012 TJ_{308}	16.2	X	254.37661	191.34952	282.17362	10.34292	0.1756634	0.21083793	2.7957836	21	9 23.6	20.3
392832 2012 TE_{314}	17.1	X	36.89005	273.93772	195.42661	5.49949	0.1547186	0.26118327	2.4238504	21	—	—
392833 2012 TJ_{316}	16.7	X	51.41458	353.50524	91.26846	11.70797	0.1413228	0.25513955	2.4619782	21	—	—
392834 2012 TZ_{317}	16.1	X	26.09407	315.69493	74.02302	15.01600	0.2678056	0.23274402	2.6174819	21	—	—
392835 2012 UW_{5}	17.9	X	21.40818	36.69020	173.26391	3.79006	0.1405350	0.29160437	2.2521986	21	4 19.8	19.5
392836 2012 UT_{6}	17.4	X	193.61811	163.01108	173.45209	8.07383	0.1469742	0.27564034	2.3383393	21	2 2.7	21.1
392837 2012 UE_{10}	17.6	X	15.43530	92.27110	47.02239	3.52756	0.1293373	0.26318128	2.4115673	21	—	—
392838 2012 UO_{16}	17.5	X	313.54838	68.93219	36.08691	15.45843	0.1586353	0.23118634	2.6292261	21	12 28.9	20.4
392839 2012 UV_{22}	16.9	X	23.74678	256.46397	292.21094	5.92718	0.0729690	0.28360608	2.2943466	21	3 18.8	19.3
392840 2012 UX_{26}	17.4	X	309.72048	323.56512	296.91317	7.46903	0.0969212	0.28549341	2.2842238	21	3 1.5	20.3
392841 2012 UY_{28}	16.1	X	53.94369	16.74852	12.74983	13.21227	0.2221617	0.24004016	2.5641698	21	—	—
392842 2012 UM_{30}	16.8	X	30.66670	290.78369	87.12202	4.02936	0.1224171	0.23156065	2.6263919	21	—	—
392843 2012 UC_{33}	17.8	X	131.96308	4.63551	100.51975	3.57682	0.0064702	0.28983886	2.2613354	21	4 30.3	20.4
392844 2012 UH_{36}	15.9	X	219.04374	202.87295	219.23891	9.84035	0.2370428	0.18503734	3.0499763	21	6 16.1	21.2
392845 2012 UD_{38}	17.6	X	132.15911	95.97993	344.75534	4.59180	0.1121161	0.27991728	2.3144595	21	4 8.9	20.6
392846 2012 UZ_{38}	17.3	X	127.02542	84.65913	4.92514	6.27779	0.1040574	0.28092750	2.3089076	21	4 13.7	20.3
392847 2012 UK_{39}	16.9	X	333.15092	157.79482	260.01128	4.42005	0.0585675	0.22427403	2.6829756	21	11 26.1	20.1
392848 2012 UQ_{51}	17.2	X	309.89114	7.41105	51.85869	3.34069	0.0601495	0.21559225	2.7545286	21	10 23.8	20.5
392849 2012 UC_{56}	16.5	X	200.53416	185.10988	239.52304	6.04012	0.1458477	0.18217341	3.0818587	21	6 7.2	21.4
392850 2012 UA_{58}	17.3	X	295.88032	63.92325	25.82157	5.44231	0.0882508	0.21936778	2.7228319	21	11 8.7	20.6
392851 2012 UD_{59}	15.8	X	240.79753	348.89115	25.70729	10.37067	0.1151875	0.18211364	3.0825330	21	5 16.0	20.5
392852 2012 UT_{60}	17.2	X	50.49344	159.24867	58.51406	8.20635	0.0638214	0.29543149	2.2327059	21	6 20.8	19.5
392853 2012 UA_{64}	16.2	X	170.92615	55.40436	64.20730	17.60514	0.2696649	0.18095863	3.0956357	21	7 20.0	21.9
392854 2012 UP_{69}	17.3	X	358.11481	140.06065	50.76446	2.84546	0.1592622	0.26822910	2.3812160	21	2 3.9	19.7
392855 2012 UM_{70}	16.6	X	25.64042	352.17772	42.69483	16.46303	0.2553297	0.23233155	2.6205790	21	—	—
392856 2012 UC_{73}	17.1	X	337.95850	49.74899	34.53150	7.29946	0.1533928	0.23275979	2.6173637	21	—	—
392857 2012 UG_{73}	17.7	X	78.10650	268.34120	196.97640	3.69740	0.0645514	0.27265234	2.3553922	21	2 19.4	20.3
392858 2012 US_{74}	17.4	X	133.34652	178.42721	210.51162	12.01233	0.0671692	0.26688440	2.3892078	21	1 24.1	20.8
392859 2012 UP_{77}	17.4	X	173.65816	19.36546	28.07788	7.45450	0.1078622	0.28034344	2.3121133	21	4 13.8	20.7
392860 2012 UC_{79}	17.0	X	173.03468	91.29720	9.29120	0.62456	0.1507422	0.18187102	3.0852738	21	6 25.8	21.8
392861 2012 UL_{81}	16.8	X	192.22284	205.56146	221.15920	0.42683	0.1637476	0.17895765	3.1186684	21	6 1.9	21.9
392862 2012 UR_{83}	16.2	X	352.52441	284.69007	72.25734	13.68688	0.2120446	0.21561863	2.7543039	21	10 19.6	19.0
392863 2012 UO_{85}	17.5	X	220.50278	10.30578	9.53298	8.62295	0.1905825	0.29710427	2.2243175	21	4 21.3	21.0
392864 2012 UX_{86}	16.4	X	11.49595	197.91148	228.94548	12.55237	0.1580008	0.23552076	2.5968683	21	—	—
392865 2012 UW_{89}	16.6	X	284.94084	210.29541	231.16074	5.96916	0.0713214	0.21103372	2.7940541	21	10 12.8	20.4
392866 2012 UG_{93}	17.0	X	116.62985	185.53425	219.86769	10.73231	0.2100556	0.26527283	2.3988746	21	2 14.2	20.4
392867 2012 UW_{93}	16.4	X	325.92961	92.11623	355.44735	12.53254	0.1633553	0.22846127	2.6500923	21	12 29.5	19.3
392868 2012 UV_{95}	17.6	X	200.59665	0.01694	31.54297	5.69799	0.1486817	0.28993222	2.2608499	21	4 20.9	20.9
392869 2012 UW_{100}	17.6	X	336.80999	18.25523	60.12503	4.03434	0.1576205	0.22868484	2.6483648	21	—	—
392870 2012 UO_{101}	17.1	X	193.31952	281.90817	165.89197	1.62564	0.1636125	0.18516607	3.0485626	21	6 28.3	22.0
392871 2012 UN_{105}	17.0	X	339.04364	269.91531	242.20535	10.28531	0.1519240	0.25221637	2.4809644	21	—	—
392872 2012 UR_{108}	16.8	X	230.14874	316.05459	237.27229	3.57811	0.0968986	0.23204668	2.6227233	21	12 24.2	20.2
392873 2012 UN_{114}	17.8	X	329.06512	355.83998	341.85554	2.89305	0.0601306	0.31569798	2.1360997	21	8 7.9	19.6
392874 2012 UJ_{116}	17.0	X	245.52466	105.84487	17.95039	7.56698	0.1456841	0.21494746	2.7600344	21	10 6.9	20.8
392875 2012 UO_{118}	17.2	X	290.98442	46.96503	50.16790	7.19591	0.0226081	0.21914924	2.7246417	21	11 18.6	20.8
392876 2012 UV_{125}	17.6	X	160.71101	37.01321	31.59616	7.42432	0.0612672	0.28279146	2.2987506	21	4 23.1	20.6
392877 2012 UW_{148}	17.3	X	26.25191	310.79415	96.38126	1.80265	0.1958790	0.23828298	2.5767604	21	—	—
392878 2012 UU_{151}	17.2	X	4.08177	33.64230	56.30212	13.80260	0.1297801	0.23853614	2.5749369	21	—	—
392879 2012 UX_{161}	15.4	X	86.47717	132.84448	40.54534	28.44813	0.2158156	0.17296122	3.1903394	21	7 6.5	20.6
392880 2012 UO_{165}	16.6	X	248.43656	144.37824	0.02583	12.56402	0.1078854	0.22000673	2.7175574	21	11 6.8	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392881 2012 UV_{168}	17.0	X	134.01494	279.52274	105.28399	7.40586	0.0888381	0.26947259	2.3738849	21	1 26.5	19.9
392882 2012 UH_{172}	17.3	X	116.89914	27.28319	9.68650	6.90265	0.1076606	0.26153173	2.4216969	21	1 26.1	20.3
392883 2012 UJ_{174}	17.1	X	120.59172	229.57155	94.70002	23.98907	0.0803190	0.36008082	1.9567532	21	—	—
392884 2012 US_{174}	17.4	X	290.41453	153.10935	293.85017	3.01325	0.1891261	0.21450256	2.7638495	21	10 11.9	20.7
392885 2012 VW_{7}	16.5	X	141.35611	248.88328	215.15891	5.00411	0.1706193	0.17490258	3.1666877	21	6 2.4	21.6
392886 2012 VX_{12}	17.8	X	56.85142	31.39103	178.90959	3.06388	0.1036898	0.29960957	2.2119005	21	6 26.6	19.9
392887 2012 VD_{17}	16.1	X	351.68012	331.97387	73.65752	16.52292	0.1714445	0.21978642	2.7193732	21	12 16.0	18.9
392888 2012 VK_{24}	17.1	X	53.01723	355.71037	228.68932	5.57236	0.1365893	0.30069903	2.2065547	21	7 16.9	19.2
392889 2012 VE_{31}	17.1	X	112.17698	21.30744	75.22269	7.54407	0.0701007	0.27467899	2.3437921	21	4 4.5	20.1
392890 2012 VY_{31}	16.5	X	16.83416	186.32279	256.67523	4.90534	0.0599701	0.24078603	2.5588718	21	—	—
392891 2012 VM_{33}	17.5	X	247.02856	247.57651	84.66816	7.79897	0.1360500	0.28581212	2.2825254	21	3 26.1	21.0
392892 2012 VO_{33}	17.1	X	351.72937	322.08410	131.05013	3.88135	0.1319170	0.23586928	2.5943096	21	—	—
392893 2012 VW_{33}	16.5	X	342.79126	246.82508	148.85407	6.49004	0.0698395	0.21790996	2.7349622	21	11 12.9	19.9
392894 2012 VA_{34}	16.4	X	178.92850	254.54071	194.98185	9.58117	0.2125165	0.17761398	3.1343774	21	6 18.1	21.9
392895 2012 VR_{38}	17.7	X	99.44409	125.46905	35.73076	6.31885	0.0359221	0.29231946	2.2485242	21	6 6.6	20.3
392896 2012 VC_{42}	16.9	X	328.06347	104.51541	242.40555	1.00645	0.1077686	0.19716948	2.9235436	21	8 8.0	20.3
392897 2012 VH_{42}	16.2	X	261.88055	335.66516	67.91335	4.74497	0.1571597	0.19121002	2.9839780	21	7 12.5	20.6
392898 2012 VX_{42}	16.9	X	3.14911	5.34069	67.28993	5.98678	0.2106901	0.23095456	2.6309849	21	—	—
392899 2012 VY_{43}	17.3	X	289.00193	249.76583	218.69768	4.00165	0.1085475	0.22431651	2.6826369	21	11 22.9	20.3
392900 2012 VF_{49}	16.6	X	158.48722	267.69278	202.90277	8.29741	0.1640611	0.18193159	3.0845890	21	6 24.7	21.8
392901 2012 VP_{51}	17.5	X	235.94040	67.38876	124.52870	3.06150	0.0217610	0.22732883	2.6588859	21	—	—
392902 2012 VQ_{51}	16.1	X	256.02759	284.80965	79.87093	13.82820	0.1347219	0.17899895	3.1181887	21	5 22.2	20.8
392903 2012 VA_{55}	17.2	X	290.05192	1.11982	65.68894	2.59922	0.0503573	0.21097885	2.7945385	21	10 6.1	20.7
392904 2012 VL_{55}	16.0	X	173.19158	60.07996	49.74426	16.32768	0.1172390	0.18436839	3.0573495	21	7 7.4	21.0
392905 2012 VQ_{55}	16.7	X	304.84488	251.82112	223.27966	7.55355	0.0580885	0.22976896	2.6400277	21	12 30.3	20.1
392906 2012 VK_{56}	18.0	X	119.72772	317.42208	222.20532	4.22413	0.0632343	0.30557217	2.1830324	21	8 5.6	20.7
392907 2012 VV_{56}	16.6	X	27.34135	292.56095	52.98999	10.83326	0.1677327	0.22140618	2.7060941	21	11 24.4	19.8
392908 2012 VM_{60}	17.3	X	48.35777	253.05639	147.00739	1.25674	0.0651740	0.24005215	2.5640844	21	—	—
392909 2012 VX_{61}	17.0	X	266.58062	60.80181	65.62862	4.48125	0.1315838	0.21891339	2.7265983	21	11 9.3	20.5
392910 2012 VP_{64}	16.4	X	220.20024	115.14112	44.07402	12.54448	0.1303345	0.21116857	2.7928644	21	10 25.6	20.5
392911 2012 VH_{74}	17.8	X	180.28248	333.61438	94.84275	3.35714	0.1260361	0.29004440	2.2602669	21	5 19.7	21.0
392912 2012 VR_{77}	16.3	X	26.44723	32.98778	19.94285	17.42289	0.1954308	0.23524458	2.5989004	21	—	—
392913 2012 VC_{83}	17.2	X	320.07276	125.64761	58.70652	5.51580	0.0722559	0.25263320	2.4782347	21	—	—
392914 2012 VJ_{84}	16.9	X	37.91173	81.94314	324.75510	3.89791	0.1005683	0.23762366	2.5815246	21	—	—
392915 2012 VK_{86}	16.7	X	63.22061	132.59816	159.79798	4.44451	0.0812753	0.21274682	2.7790349	21	10 22.9	20.6
392916 2012 VE_{87}	17.2	X	308.19673	237.12332	30.11657	6.90387	0.0887508	0.27950171	2.3167530	21	3 17.2	19.9
392917 2012 VF_{87}	17.7	X	179.80328	57.08713	297.19435	2.99654	0.0729214	0.26795965	2.3828120	21	2 8.1	20.9
392918 2012 VL_{88}	16.4	X	222.20141	171.53309	255.41828	5.00162	0.1912266	0.18429549	3.0581556	21	6 27.3	21.3
392919 2012 VQ_{88}	16.7	X	48.14957	82.12355	73.46180	7.85537	0.0503144	0.27298848	2.3534582	21	3 20.9	19.4
392920 2012 VP_{91}	17.1	X	288.77135	83.97348	104.40428	4.42422	0.1436984	0.24205088	2.5499497	21	—	—
392921 2012 VQ_{91}	16.2	X	219.01038	343.57386	72.11873	12.06984	0.0998618	0.18240504	3.0792492	21	6 16.0	20.8
392922 2012 VF_{92}	17.0	X	66.20400	270.32309	102.16519	3.58139	0.1251922	0.23718021	2.5847413	21	—	—
392923 2012 VN_{92}	16.4	X	54.32280	296.71245	83.14211	6.51611	0.1352427	0.23534376	2.5981701	21	—	—
392924 2012 VW_{96}	17.2	X	138.85318	301.33145	72.43359	7.48935	0.1173241	0.26269219	2.4145597	21	1 24.5	20.5
392925 2012 VZ_{96}	17.2	X	47.05427	48.36591	92.04339	7.39879	0.0547039	0.26503321	2.4003202	21	2 25.8	20.0
392926 2012 VO_{97}	16.1	X	42.05393	4.64769	36.80952	15.60581	0.1609690	0.23692486	2.5865981	21	—	—
392927 2012 VX_{98}	16.5	X	317.33280	119.27299	280.08556	6.42381	0.2238454	0.21121743	2.7924337	21	9 17.3	19.3
392928 2012 VR_{104}	15.8	X	64.20152	4.90666	217.33006	8.04908	0.0212875	0.18919448	3.0051333	21	7 10.9	20.1
392929 2012 VS_{107}	17.4	X	291.57082	164.79177	341.53608	1.32741	0.1373114	0.22868148	2.6483907	21	—	—
392930 2012 VX_{107}	16.4	X	324.21267	97.62744	245.03757	8.43112	0.0218961	0.19235871	2.9720867	21	7 31.7	20.6
392931 2012 VY_{107}	17.4	X	325.53434	93.34077	37.62507	1.47336	0.0607873	0.23765766	2.5812783	21	—	—
392932 2012 VC_{108}	17.0	X	69.76730	195.55900	166.43015	3.73533	0.0107336	0.23486360	2.6017101	21	—	—
392933 2012 VV_{108}	16.4	X	174.82731	124.74954	8.22095	4.45479	0.1547093	0.18525526	3.0475840	21	8 7.5	21.3
392934 2012 VM_{110}	17.6	X	323.18446	313.58334	139.98193	3.08198	0.0913335	0.22687863	2.6624021	21	12 29.5	20.7
392935 2012 VX_{110}	17.5	X	316.13224	30.75303	72.12537	1.98339	0.1712093	0.22910417	2.6451323	21	12 30.4	20.0
392936 2012 VS_{112}	16.8	X	350.85606	301.69227	128.37766	9.99695	0.2487532	0.22746089	2.6578567	21	—	—
392937 2012 WN_{1}	17.0	X	356.99465	239.51089	240.52282	3.59749	0.0469291	0.24650909	2.5191117	21	—	—
392938 2012 WP_{1}	17.5	X	206.60926	205.49027	56.15828	2.55831	0.0351920	0.24561021	2.5252542	21	—	—
392939 2012 WN_{3}	16.9	X	75.10217	203.74857	172.12073	9.13729	0.0674988	0.23997986	2.5645993	21	—	—
392940 2012 WU_{3}	17.7	X	211.07129	1.29901	359.62355	2.80913	0.1837168	0.28230677	2.3013810	21	3 22.7	21.4
392941 2012 WZ_{3}	16.5	X	330.08542	10.46659	64.21711	11.01073	0.0657962	0.22265908	2.6959331	21	12 13.1	19.7
392942 2012 WU_{5}	17.0	X	304.35470	25.92620	53.32326	3.38984	0.0433049	0.21625667	2.7488838	21	11 11.8	20.6
392943 2012 WV_{7}	16.2	X	313.72814	135.91419	46.01900	14.70442	0.2096463	0.24364181	2.5388371	21	—	—
392944 2012 WN_{8}	16.7	X	259.60838	51.04926	7.06556	1.98234	0.0753312	0.19645639	2.9306139	21	8 9.3	20.8
392945 2012 WN_{9}	16.1	X	29.62107	166.94450	257.17359	8.78110	0.0598496	0.23613949	2.5923301	21	—	—
392946 2012 WX_{9}	17.9	X	47.87983	334.94155	245.50836	2.55352	0.0633155	0.29532955	2.2332197	21	6 20.9	20.1
392947 2012 WC_{13}	17.6	X	330.77548	223.91951	214.59103	4.83600	0.0292921	0.22501755	2.6770621	21	12 19.5	21.1
392948 2012 WJ_{13}	17.2	X	208.84959	263.33373	168.91991	2.72441	0.1158598	0.18344601	3.0675892	21	6 25.6	21.9
392949 2012 WK_{15}	16.6	X	138.39578	30.70141	276.75769	3.53029	0.0476569	0.23518304	2.5993538	21	—	—
392950 2012 WK_{18}	17.1	X	0.19385	51.08791	31.20630	2.98734	0.2003909	0.23372071	2.6101848	21	—	—
392951 2012 WY_{18}	15.8	X	299.21043	59.93408	55.09205	22.48874	0.0420476	0.22535207	2.6744123	21	12 19.7	19.5
392952 2012 WT_{20}	16.1	X	167.40054	85.82829	46.15235	10.01224	0.0409616	0.18747194	3.0235131	21	7 30.4	20.7
392953 2012 WT_{23}	16.9	X	9.89410	291.06481	84.23401	6.81348	0.0892171	0.21556349	2.7547736	21	11 26.6	20.2
392954 2012 WG_{25}	17.6	X	222.34471	243.78883	113.67981	2.51924	0.2541157	0.28372056	2.2937294	21	3 28.0	21.4
392955 2012 WJ_{25}	16.9	X	343.95754	328.11654	53.21014	5.34055	0.0780317	0.21409899	2.7673216	21	10 24.9	20.1
392956 2012 WK_{26}	17.0	X	324.76919	132.23849	292.46554	4.07702	0.1137181	0.21785685	2.7354067	21	11 19.9	20.2
392957 2012 WF_{27}	16.3	X	356.71201	14.61358	65.17648	22.75650	0.0533783	0.23081962	2.6320102	21	—	—
392958 2012 WK_{28}	17.8	X	320.66459	120.01974	231.85547	2.69817	0.1795387	0.31364739	2.1453999	21	7 29.6	19.2
392959 2012 WC_{29}	17.0	X	329.20664	207.58545	39.92695	6.51212	0.0419967	0.27466359	2.3438797	21	3 27.8	19.7
392960 2012 WZ_{29}	17.5	X	16.79415	309.80878	215.37236	5.09878	0.0937183	0.26553342	2.3973048	21	2 4.7	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
392961 2012 WC_{35}	15.7	X	246.72539	347.25439	92.53071	12.20349	0.0797036	0.19496968	2.9454931	21	8 24.1	20.1
392962 2012 XU_{2}	15.9	X	280.90055	279.74325	81.30050	11.23182	0.1306886	0.18790987	3.0188138	21	6 14.1	20.2
392963 2012 XE_{5}	16.9	X	133.73736	150.52264	174.51270	5.14075	0.1248300	0.24354823	2.5394874	21	—	—
392964 2012 XW_{7}	16.0	X	251.61206	307.16465	239.14764	15.44976	0.1313964	0.22838041	2.6507178	21	—	—
392965 2012 XQ_{10}	16.2	X	44.13964	336.94064	72.95326	15.04677	0.0748866	0.23869053	2.5738264	21	—	—
392966 2012 XF_{11}	17.7	X	143.12211	134.55164	234.02658	5.63676	0.1403923	0.26334688	2.4105562	21	1 22.6	21.1
392967 2012 XN_{12}	17.7	X	251.78323	115.47843	173.84448	6.15712	0.1169486	0.26849539	2.3796413	21	2 1.9	21.3
392968 2012 XS_{17}	17.4	X	60.45476	329.95238	54.88464	3.01728	0.0571755	0.23809959	2.5780834	21	—	—
392969 2012 XT_{21}	16.9	X	359.35957	270.50865	98.05372	1.82631	0.0882615	0.21400949	2.7680931	21	11 1.2	20.3
392970 2012 XM_{24}	16.8	X	284.24922	48.52085	64.88768	5.26836	0.0293103	0.22078547	2.7111636	21	11 30.3	20.4
392971 2012 XS_{27}	17.0	X	288.08606	23.97226	256.95799	6.35340	0.1123684	0.27569954	2.3380046	21	2 28.4	20.2
392972 2012 XS_{29}	16.7	X	147.73509	109.73863	37.61850	1.82059	0.1558033	0.18087203	3.0966237	21	7 30.5	21.7
392973 2012 XJ_{33}	15.8	X	54.05997	137.12520	79.27326	11.40330	0.1497297	0.17319379	3.1874828	21	7 9.2	19.9
392974 2012 XK_{40}	16.8	X	230.49978	318.60877	262.61624	1.95699	0.0753871	0.23249664	2.6193383	21	—	—
392975 2012 XA_{41}	16.7	X	347.91360	55.31414	75.77999	14.55937	0.1092497	0.24039342	2.5616571	21	—	—
392976 2012 XV_{42}	15.8	X	126.83404	309.16462	259.97927	12.65797	0.1010677	0.19574511	2.9377090	21	9 14.1	20.5
392977 2012 XC_{43}	14.8	X	97.42762	285.76199	257.05910	23.71388	0.1861965	0.17360330	3.1824681	21	7 19.4	19.9
392978 2012 XR_{43}	16.4	X	185.04415	137.69282	71.74842	8.84922	0.0850876	0.21364490	2.7712414	21	11 22.3	20.4
392979 2012 XW_{46}	16.3	X	65.26485	174.08632	233.72223	8.80574	0.0539527	0.24274977	2.5450530	21	—	—
392980 2012 XJ_{47}	16.4	X	117.92959	105.63473	50.98169	5.77418	0.0751895	0.16943146	3.2344964	21	7 3.9	21.2
392981 2012 XU_{49}	16.2	X	41.86135	231.66807	86.49845	11.09000	0.1300300	0.21248832	2.7812883	21	11 6.6	19.9
392982 2012 XS_{57}	17.1	X	287.60886	5.50218	71.25842	5.30120	0.0370933	0.21078793	2.7962257	21	10 18.4	20.8
392983 2012 XY_{58}	15.9	X	335.19314	81.72393	34.22951	12.79003	0.1341740	0.23371582	2.6102212	21	—	—
392984 2012 XZ_{58}	17.5	X	132.31647	82.99625	343.56561	5.12757	0.1704799	0.27138129	2.3627410	21	3 29.6	20.7
392985 2012 XY_{59}	17.1	X	246.84745	29.15473	73.20646	6.57712	0.0871416	0.20499072	2.8486992	21	9 21.5	21.2
392986 2012 XM_{63}	15.9	X	84.59766	51.52920	101.64374	14.60636	0.0661873	0.16661078	3.2709004	21	5 22.2	20.6
392987 2012 XJ_{64}	16.8	X	241.02777	318.70975	156.25306	6.24629	0.1020339	0.20321641	2.8652567	21	9 25.9	20.8
392988 2012 XF_{69}	16.6	X	317.07228	343.18866	94.42539	7.55466	0.0331849	0.21948279	2.7218806	21	11 29.4	20.2
392989 2012 XZ_{79}	17.2	X	169.56128	324.33119	96.73905	7.65101	0.0933832	0.28294179	2.2979363	21	4 29.4	20.4
392990 2012 XY_{83}	15.8	X	248.27385	315.73388	95.95999	12.73055	0.1430045	0.18145113	3.0900317	21	7 8.7	20.4
392991 2012 XN_{94}	16.8	X	336.35684	206.71077	148.02511	2.70067	0.0956140	0.19916013	2.9040301	21	9 3.5	20.0
392992 2012 XT_{94}	17.6	X	196.77917	265.69719	118.20198	3.43557	0.0809208	0.27818363	2.3240653	21	4 8.8	20.8
392993 2012 XF_{100}	16.7	X	335.00344	165.12378	336.16153	3.22560	0.1081579	0.24015822	2.5633293	21	—	—
392994 2012 XM_{104}	16.1	X	251.92688	274.76369	111.89152	7.02510	0.1769535	0.17612748	3.1519885	21	6 8.4	21.0
392995 2012 XZ_{110}	17.1	X	332.65266	146.88646	283.94890	4.30926	0.0230608	0.22130464	2.7069218	21	12 11.1	20.7
392996 2012 XA_{118}	15.9	X	180.34834	87.47965	69.59098	11.01225	0.0080214	0.19092805	2.9869152	21	9 19.8	20.3
392997 2012 XM_{118}	15.8	X	162.54274	34.88917	73.59421	11.76465	0.0584101	0.16899229	3.2400978	21	6 22.1	20.7
392998 2012 XN_{119}	16.0	X	268.13293	182.45311	315.04778	8.74379	0.0879958	0.21531833	2.7568642	21	11 29.3	19.8
392999 2012 XR_{119}	16.0	X	247.56974	12.48723	83.01882	10.88087	0.0656428	0.19062897	2.9900385	21	9 17.6	20.4
393000 2012 XK_{120}	16.9	X	97.09894	51.05175	338.54047	4.82241	0.1347004	0.24128137	2.5553684	21	—	—
393001 2012 XL_{120}	15.8	X	199.45335	11.41264	92.92020	12.17131	0.0647213	0.17670989	3.1450591	21	7 29.7	20.6
393002 2012 XW_{123}	16.6	X	212.81701	252.11215	202.67244	9.30858	0.0790872	0.18721384	3.0262915	21	7 27.9	21.3
393003 2012 XX_{128}	16.7	X	205.97977	39.58319	42.92430	3.59047	0.0568611	0.18807417	3.0170553	21	7 9.1	21.1
393004 2012 XT_{130}	16.7	X	325.12874	33.31825	110.22158	5.01867	0.0687107	0.23828498	2.5767460	21	—	—
393005 2012 XG_{135}	17.3	X	204.56844	264.26566	101.09161	7.15404	0.1317714	0.27861034	2.3216918	21	3 26.4	20.9
393006 2012 XZ_{135}	16.9	X	24.00533	192.69742	247.70171	4.68597	0.1438384	0.23382433	2.6094136	21	—	—
393007 2012 XE_{136}	16.8	X	316.10447	130.39353	137.18605	7.19646	0.1065581	0.26645705	2.3917617	21	3 28.3	19.6
393008 2012 XC_{138}	17.1	X	76.46641	118.69299	246.51803	2.11970	0.1622895	0.23707012	2.5855415	21	—	—
393009 2012 XZ_{138}	16.7	X	21.64786	132.06338	306.39445	5.16358	0.1156095	0.23940642	2.5686929	21	—	—
393010 2012 XM_{140}	17.0	X	356.53995	177.18055	220.86215	5.00486	0.0272156	0.22010601	2.7167402	21	12 1.7	20.6
393011 2012 XB_{141}	16.2	X	156.94240	65.76037	52.11486	10.08711	0.0506678	0.17919217	3.1159468	21	6 27.3	20.8
393012 2012 XP_{143}	16.1	X	227.91401	351.43702	75.16346	12.24076	0.0351637	0.18700718	3.0285206	21	7 17.2	20.5
393013 2012 XG_{145}	16.6	X	165.87856	18.34947	140.25548	4.71791	0.2056257	0.18919310	3.0051480	21	8 30.2	21.7
393014 2012 XT_{148}	16.9	X	303.22582	245.75567	227.44663	10.90198	0.0507604	0.22316168	2.6918838	21	12 24.2	20.4
393015 2012 XE_{150}	16.7	X	110.07489	99.76135	244.37319	3.54116	0.0561315	0.24024852	2.5626870	21	—	—
393016 2012 XR_{150}	17.0	X	307.82731	329.85159	108.65709	5.77952	0.0411220	0.21456294	2.7633310	21	11 17.2	20.6
393017 2012 XE_{151}	16.3	X	346.50864	85.40700	306.96278	8.01355	0.1580214	0.20864530	2.8153365	21	11 11.5	19.5
393018 2012 XG_{151}	15.6	X	37.84166	221.12481	88.36735	12.52852	0.0824090	0.19314847	2.9639795	21	10 13.9	19.8
393019 2012 XC_{152}	16.9	X	97.17909	9.52864	21.35939	4.17392	0.1418061	0.24447345	2.5330762	21	—	—
393020 2012 XS_{153}	14.1	X	79.98789	271.43226	35.96802	6.50578	0.0347421	0.08167456	5.2611198	21	11 3.6	21.0
393021 2012 XD_{155}	16.6	X	296.50734	245.44336	241.19565	9.92289	0.1422350	0.22355590	2.6887182	21	12 25.1	19.5
393022 2012 XG_{155}	16.5	X	128.14538	198.04372	80.71427	7.37922	0.0163396	0.22254852	2.6968259	21	12 15.9	20.1
393023 2012 XM_{156}	16.4	X	150.67874	276.31188	90.48699	11.20156	0.1889035	0.26474194	2.4020805	21	2 7.6	20.0
393024 2012 YY	16.2	X	42.87047	26.60677	14.61360	18.89690	0.1944915	0.23639816	2.5904387	21	—	—
393025 2012 YW_{3}	16.2	X	227.91302	73.43585	9.56943	16.84073	0.1608528	0.18204457	3.0833127	21	7 31.1	21.3
393026 2012 YE_{4}	16.7	X	195.75799	288.05422	37.03351	7.14645	0.1903967	0.25157116	2.4852046	21	1 30.9	20.8
393027 2012 YV_{4}	16.5	X	310.76022	346.34006	108.35886	5.32003	0.0318580	0.21227992	2.7831083	21	12 10.6	20.2
393028 2012 YO_{8}	16.0	X	226.35618	331.36421	94.61366	18.63522	0.2089878	0.18342072	3.0678712	21	6 28.7	21.0
393029 2013 AZ_{1}	16.6	X	245.08808	258.08905	143.18195	9.65961	0.2700707	0.18677814	3.0309959	21	6 11.3	21.8
393030 2013 AQ_{4}	17.0	X	349.40801	116.89510	270.65468	4.29817	0.0755448	0.20561543	2.8429262	21	11 6.7	20.5
393031 2013 AJ_{6}	16.9	X	93.53088	279.25118	87.74304	12.75484	0.0299469	0.23844116	2.5756207	21	—	—
393032 2013 AB_{8}	15.9	X	86.68209	296.87343	292.17910	3.78271	0.1131400	0.17228524	3.1986791	21	8 30.3	20.6
393033 2013 AM_{8}	15.5	X	12.64694	193.25906	127.14522	17.92584	0.0703336	0.18323593	3.0699334	21	9 17.5	19.7
393034 2013 AT_{8}	16.5	X	287.09051	65.90719	76.51634	7.20842	0.0010991	0.21917033	2.7244670	21	—	—
393035 2013 AC_{10}	16.4	X	349.21126	318.47984	40.09930	1.89277	0.1155516	0.20342739	2.8632752	21	10 1.4	19.7
393036 2013 AM_{11}	15.7	X	185.00746	19.68217	98.76157	18.22887	0.1972337	0.17497425	3.1658229	21	7 28.7	21.1
393037 2013 AM_{12}	15.5	X	239.78640	311.71849	117.66958	17.53505	0.0319104	0.18007672	3.1057346	21	8 4.4	19.9
393038 2013 AH_{13}	16.1	X	103.34641	289.17978	287.08363	7.97649	0.0330032	0.18088827	3.0964384	21	8 22.7	20.7
393039 2013 AW_{13}	17.0	X	37.38883	247.15283	147.98410	1.99345	0.0670313	0.22190086	2.7020708	21	—	—
393040 2013 AD_{14}	15.2	X	337.24103	286.29348	124.16404	24.71625	0.2820344	0.20962527	2.8065554	21	12 5.3	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
393041 2013 AR_{15}	16.2	X	112.61210	56.04590	240.29961	5.90159	0.0234393	0.21030366	2.8005167	21	12 17.1	20.1
393042 2013 AZ_{16}	15.7	X	297.10702	356.32521	118.64642	14.13703	0.0634551	0.20957337	2.8070188	21	12 15.9	19.4
393043 2013 AJ_{17}	15.5	X	90.66088	322.71491	275.71215	8.49343	0.0405496	0.18506283	3.0496962	21	9 3.9	19.9
393044 2013 AA_{18}	15.6	X	207.14579	343.82893	114.08494	10.48098	0.0199030	0.17552923	3.1591463	21	8 1.5	20.1
393045 2013 AL_{21}	15.8	X	197.95622	5.94363	100.52559	10.64221	0.1030998	0.17557698	3.1585736	21	7 28.5	20.7
393046 2013 AE_{23}	16.6	X	25.15811	57.23528	332.98982	4.08444	0.1291059	0.21281725	2.7784217	21	—	—
393047 2013 AW_{36}	16.1	X	316.21456	291.38713	90.02355	7.81108	0.0129543	0.18758012	3.0223506	21	9 16.9	20.3
393048 2013 AZ_{36}	15.9	X	79.80943	221.79191	26.46182	3.53242	0.1578333	0.17936335	3.1139640	21	9 23.9	20.3
393049 2013 AR_{38}	15.8	X	210.66852	334.63851	123.79936	10.84716	0.0354161	0.17718836	3.1393948	21	8 5.1	20.2
393050 2013 AZ_{39}	13.2	X	357.26432	258.60730	129.67090	11.42424	0.0330302	0.08323392	5.1952024	21	11 2.4	20.0
393051 2013 AL_{46}	15.7	X	41.77544	313.04460	356.13659	9.23433	0.0709701	0.19198097	2.9759841	21	10 8.4	19.7
393052 2013 AD_{48}	16.1	X	223.76653	79.45632	345.87767	10.32234	0.0976582	0.17761672	3.1343452	21	7 5.5	21.0
393053 2013 AQ_{49}	16.4	X	158.79756	131.71027	67.14145	11.08499	0.0434044	0.19360701	2.9592977	21	10 14.9	20.8
393054 2013 AV_{49}	16.9	X	248.46220	281.14294	25.62882	7.61232	0.1159557	0.26029048	2.4293897	21	2 26.2	20.5
393055 2013 AL_{54}	16.7	X	206.42809	170.33152	264.33295	2.67444	0.2191411	0.17951579	3.1122009	21	6 22.1	22.0
393056 2013 AT_{55}	16.8	X	158.88799	243.90821	81.25973	8.50903	0.2061944	0.23974902	2.5662452	21	—	—
393057 2013 AJ_{61}	15.7	X	99.73250	150.51556	79.11051	10.91273	0.0523599	0.18585936	3.0409767	21	9 15.9	20.2
393058 2013 AL_{61}	16.1	X	259.93796	325.46697	79.89030	12.49573	0.1264305	0.18346343	3.0673950	21	7 16.8	20.6
393059 2013 AD_{70}	13.5	X	301.96364	313.17661	127.96653	12.76999	0.0933037	0.08389300	5.1679570	21	10 21.5	20.2
393060 2013 AV_{71}	17.0	X	281.02943	271.14460	216.97850	10.09726	0.0910306	0.21718122	2.7410768	21	12 7.3	20.5
393061 2013 AH_{73}	16.6	X	93.55035	354.80706	45.40178	7.69618	0.1397893	0.24299474	2.5433423	21	1 3.9	19.6
393062 2013 AJ_{73}	16.1	X	152.52104	135.55122	65.37852	10.00598	0.0964473	0.18963643	3.0004625	21	10 10.6	20.8
393063 2013 AB_{75}	15.8	X	156.67453	239.63390	42.26883	13.48187	0.1565679	0.22132052	2.7067923	21	—	—
393064 2013 AO_{75}	16.9	X	205.81670	322.49527	17.05426	6.81155	0.1682642	0.26177072	2.4202228	21	2 24.2	20.9
393065 2013 AX_{78}	15.9	X	115.11133	211.75649	131.71409	33.28341	0.1759485	0.23005734	2.6378210	21	—	—
393066 2013 AX_{80}	17.3	X	176.66201	250.29116	80.47724	0.69025	0.0453050	0.24499016	2.5295132	21	1 7.8	20.6
393067 2013 AV_{81}	16.0	X	27.78033	357.01690	304.10703	8.44153	0.0675167	0.18473156	3.0533411	21	9 5.8	20.1
393068 2013 AF_{83}	15.3	X	23.43803	165.09936	114.06086	14.12141	0.1802490	0.17405308	3.1769831	21	8 18.1	19.0
393069 2013 AP_{83}	16.3	X	156.87494	302.94024	234.39208	6.95066	0.0728374	0.18410253	3.0602920	21	9 7.8	21.0
393070 2013 AR_{83}	15.7	X	29.34525	111.45056	202.86369	8.46350	0.0267778	0.18779405	3.0200549	21	9 22.8	20.0
393071 2013 AZ_{83}	16.2	X	355.06982	261.43614	82.13739	4.26440	0.1310128	0.19260570	2.9695453	21	9 21.9	19.6
393072 2013 AK_{87}	17.3	X	193.33426	276.59015	67.28974	3.44237	0.2160785	0.26011309	2.4304941	21	2 19.3	21.3
393073 2013 AB_{91}	16.3	X	184.46933	288.03758	311.71203	2.48609	0.0125678	0.21425251	2.7659996	21	—	—
393074 2013 AK_{91}	15.9	X	213.43313	332.36421	93.89163	10.75375	0.0750938	0.17257743	3.1950676	21	6 25.5	20.5
393075 2013 AF_{93}	16.4	X	211.34631	65.21293	41.99506	4.82973	0.1009937	0.17860700	3.1227490	21	8 13.6	21.3
393076 2013 AL_{93}	16.3	X	348.17652	290.69666	82.03530	3.59229	0.0692342	0.20090359	2.8872048	21	10 18.2	19.9
393077 2013 AY_{93}	15.5	X	93.45470	121.56442	131.64804	17.77704	0.1386866	0.18303394	3.0721916	21	10 18.7	20.4
393078 2013 AO_{94}	16.7	X	15.91774	61.17142	318.10400	3.78800	0.1249724	0.21271497	2.7793123	21	12 13.7	20.0
393079 2013 AU_{98}	15.8	X	109.16589	36.05094	107.34270	11.31930	0.0325674	0.15817200	3.3862289	21	6 3.2	20.7
393080 2013 AA_{99}	16.5	X	167.42789	247.09271	11.62331	4.81168	0.1218561	0.21744098	2.7388933	21	12 31.9	20.9
393081 2013 AD_{99}	16.1	X	78.64060	296.03141	334.59498	9.66537	0.0681863	0.19247181	2.9709223	21	10 4.9	20.4
393082 2013 AR_{99}	16.1	X	193.65334	259.19755	70.43298	8.37468	0.1383657	0.25317555	2.4746942	21	1 31.9	20.0
393083 2013 AJ_{100}	15.9	X	332.30507	241.38750	104.39279	11.85459	0.0440808	0.18193921	3.0845028	21	8 19.9	20.1
393084 2013 AP_{100}	15.2	X	325.11093	328.43175	67.30943	17.56957	0.1030589	0.19774088	2.9179090	21	10 18.5	19.0
393085 2013 AU_{102}	15.7	X	353.85294	231.45131	75.64501	10.55716	0.0464753	0.17663019	3.1460051	21	7 30.0	20.0
393086 2013 AD_{104}	16.2	X	45.18290	313.34317	340.71241	10.65866	0.0189159	0.18985458	2.9981636	21	9 16.7	20.3
393087 2013 AV_{107}	16.4	X	152.18899	268.96496	248.49703	2.08773	0.0711939	0.17477531	3.1682248	21	8 10.9	21.2
393088 2013 AG_{108}	17.3	X	155.01738	132.25975	225.28731	1.84881	0.1354933	0.24671475	2.5177116	21	1 25.5	21.0
393089 2013 AO_{108}	16.1	X	249.04150	244.43100	146.61573	6.23712	0.0782290	0.16974231	3.2305464	21	6 21.5	20.9
393090 2013 AC_{109}	16.5	X	62.84646	150.80617	133.20703	7.28586	0.1334595	0.18761669	3.0219578	21	10 17.8	20.8
393091 2013 AF_{109}	16.7	X	67.95468	26.47103	253.93098	2.19282	0.1838531	0.18676193	3.0311713	21	10 22.5	21.2
393092 2013 AR_{116}	15.7	X	65.22144	158.32281	102.05516	8.22038	0.0622356	0.17708489	3.1406175	21	9 10.2	20.1
393093 2013 AY_{117}	15.5	X	314.83485	261.38093	98.46217	10.46736	0.1079808	0.18049885	3.1008904	21	8 5.3	19.4
393094 2013 AP_{119}	17.0	X	73.30220	312.84922	97.14965	4.68827	0.0821336	0.23951713	2.5679013	21	—	—
393095 2013 AA_{128}	17.0	X	306.39009	293.18130	139.26124	5.36378	0.0933997	0.21137138	2.7910777	21	11 3.0	20.4
393096 2013 AY_{128}	16.7	X	52.03338	165.30309	208.32101	5.60423	0.0215964	0.21567946	2.7537860	21	—	—
393097 2013 AF_{132}	13.5	X	293.56199	180.16472	264.44142	8.54142	0.0702719	0.08092817	5.2934186	21	10 9.1	20.4
393098 2013 AJ_{132}	14.3	X	273.32010	14.41455	102.71438	2.66211	0.1937920	0.08436024	5.1488570	21	10 10.9	21.2
393099 2013 AZ_{132}	13.4	X	276.92808	171.50153	296.62211	10.00041	0.0689962	0.08301208	5.2044543	21	10 15.1	20.3
393100 2013 AL_{133}	13.6	X	320.62141	258.16507	166.12478	9.95313	0.0866264	0.08203203	5.2458242	21	10 24.1	20.2
393101 2013 AO_{139}	16.2	X	322.78760	143.64665	213.40016	13.53199	0.0162833	0.18219044	3.0816666	21	8 15.6	20.7
393102 2013 AY_{148}	16.3	X	330.39382	145.49093	198.05292	9.23614	0.1132191	0.18347934	3.0672177	21	8 3.6	20.3
393103 2013 AG_{159}	16.2	X	271.31995	206.26261	187.76329	10.01854	0.0537402	0.17891695	3.1191413	21	7 23.8	20.8
393104 2013 AK_{160}	17.0	X	153.47541	66.63235	204.07201	7.45640	0.1905931	0.21117978	2.7927656	21	12 29.6	21.8
393105 2013 AH_{172}	15.7	X	0.76892	152.48682	179.73171	12.01166	0.1315298	0.18761977	3.0219248	21	9 12.5	19.3
393106 2013 AB_{174}	15.9	X	92.62686	29.46428	217.81747	11.37126	0.1813146	0.18163985	3.0878910	21	10 6.7	20.7
393107 2013 BO	13.3	X	272.81427	13.96261	95.10841	18.59388	0.0485408	0.08495104	5.1249571	21	10 27.1	20.3
393108 2013 BW	13.9	X	306.25823	353.61782	71.88274	5.88598	0.0739614	0.08318550	5.1972184	21	10 8.9	20.6
393109 2013 BW_{1}	14.0	X	148.69131	254.36931	339.52643	9.11995	0.0611931	0.08286190	5.2107406	21	10 24.7	21.2
393110 2013 BK_{3}	15.5	X	300.78300	244.85340	108.18512	11.51154	0.1315920	0.17718738	3.1394063	21	6 30.9	19.6
393111 2013 BG_{6}	16.6	X	67.23695	159.68284	211.85074	5.18277	0.0641838	0.22187875	2.7022503	21	—	—
393112 2013 BF_{8}	17.4	X	293.26808	354.31204	333.69394	5.43815	0.2284741	0.28543289	2.2845467	21	4 23.3	20.5
393113 2013 BL_{8}	16.7	X	311.15956	52.50522	45.26105	4.07620	0.0575659	0.21223849	2.7834705	21	12 13.2	20.1
393114 2013 BO_{10}	17.1	X	238.42090	202.41605	124.49650	0.66429	0.2148280	0.26429183	2.4048070	21	3 5.3	21.1
393115 2013 BH_{19}	17.8	X	286.02004	287.87537	104.98277	6.70008	0.1958347	0.30830085	2.1701324	21	7 26.8	19.8
393116 2013 BD_{21}	15.6	X	11.91089	199.08567	84.46854	12.87158	0.0529932	0.17320632	3.1873289	21	7 24.6	19.9
393117 2013 BC_{28}	15.4	X	90.87008	165.10958	82.04889	13.68282	0.1098286	0.18145558	3.0899812	21	10 5.7	20.2
393118 2013 BO_{30}	15.8	X	67.74581	182.80445	102.45977	13.48620	0.0417814	0.19134203	2.9826054	21	10 16.7	20.2
393119 2013 BU_{30}	16.3	X	83.64499	196.55358	83.16245	6.78177	0.0422599	0.19445353	2.9507030	21	10 25.5	20.5
393120 2013 BB_{31}	15.8	X	186.17469	186.87598	329.00703	8.33412	0.0459098	0.18691339	3.0295336	21	9 15.0	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
393121 2013 BM_{31}	16.2	X	55.46940	330.81599	341.74058	7.00175	0.2088175	0.19757630	2.9195291	21	11 19.8	20.5
393122 2013 BH_{33}	18.2	X	3.29317	286.87866	185.02908	2.26428	0.1643623	0.23165215	2.6257003	21	—	—
393123 2013 BS_{33}	16.6	X	102.32190	258.26714	61.81399	5.53614	0.0797251	0.21394058	2.7686875	21	—	—
393124 2013 BH_{35}	16.4	X	198.98781	172.69784	298.52171	1.48074	0.0220522	0.17816109	3.1279573	21	8 7.6	20.8
393125 2013 BA_{40}	16.2	X	83.63249	218.17635	57.45188	5.53908	0.1117803	0.18857567	3.0117040	21	10 27.1	20.5
393126 2013 BC_{40}	16.5	X	272.07649	302.38201	103.60849	10.66665	0.0722454	0.17954471	3.1118666	21	8 10.5	20.9
393127 2013 BU_{40}	16.5	X	246.42808	201.32456	246.01723	0.13280	0.0550984	0.18252609	3.0778876	21	8 31.7	20.9
393128 2013 BG_{41}	16.4	X	17.68330	251.27908	129.53667	2.79749	0.0654688	0.20514896	2.8472341	21	12 9.2	20.1
393129 2013 BX_{41}	16.7	X	80.95808	106.23842	158.72090	1.19489	0.0448194	0.18456656	3.0551606	21	9 30.6	21.0
393130 2013 BY_{43}	17.0	X	312.73232	335.42425	89.10563	3.25399	0.0440406	0.19971877	2.8986123	21	11 2.7	20.7
393131 2013 BL_{47}	16.2	X	24.93333	203.02629	93.03060	4.89569	0.0843337	0.18124893	3.0923293	21	9 2.1	20.2
393132 2013 BY_{47}	16.6	X	199.39666	271.52727	84.55162	5.40030	0.1977028	0.26424726	2.4050774	21	3 11.4	20.6
393133 2013 BZ_{47}	17.6	X	256.05865	249.23725	86.76346	6.84131	0.1651019	0.27355198	2.3502252	21	4 7.5	21.1
393134 2013 BR_{48}	16.5	X	62.39993	226.12133	115.00732	5.37822	0.0755264	0.21061224	2.7977806	21	12 19.4	20.4
393135 2013 BU_{48}	14.3	X	295.56296	39.94325	41.07377	2.07610	0.0691801	0.08475823	5.1327265	21	10 11.8	21.0
393136 2013 BF_{49}	16.3	X	218.17869	11.74431	46.84245	1.04692	0.1791978	0.17268660	3.1937208	21	6 14.5	21.6
393137 2013 BU_{49}	15.7	X	14.40890	219.85126	107.80304	12.88643	0.1959146	0.19184500	2.9773900	21	10 16.1	19.3
393138 2013 BG_{50}	16.4	X	212.92210	117.27004	91.78681	6.73702	0.0321461	0.21298357	2.7769751	21	12 27.9	20.2
393139 2013 BU_{50}	15.9	X	246.55761	315.04896	93.43524	10.33121	0.0848861	0.17518782	3.1632494	21	7 9.7	20.5
393140 2013 BY_{50}	16.7	X	115.03059	264.21176	44.10015	4.10014	0.0799483	0.21432702	2.7653584	21	—	—
393141 2013 BN_{54}	15.5	X	338.84785	235.59172	110.49775	18.31978	0.0963946	0.18256057	3.0775000	21	8 29.5	19.5
393142 2013 BO_{55}	15.5	X	37.37591	125.39988	126.78970	21.81196	0.0211113	0.17078400	3.2173966	21	7 15.6	19.9
393143 2013 BU_{59}	15.9	X	359.50096	225.63930	106.81956	13.70774	0.0594743	0.18141765	3.0904119	21	9 13.6	20.2
393144 2013 BT_{60}	13.9	X	285.97418	336.85775	121.46314	8.43156	0.0696557	0.08120955	5.2811841	21	10 22.3	20.8
393145 2013 BY_{64}	16.4	X	108.96854	275.11023	30.27317	2.97527	0.1050635	0.21046348	2.7990987	21	12 29.7	20.7
393146 2013 BP_{71}	16.5	X	295.25579	31.46451	154.31947	6.33333	0.1121537	0.24003153	2.5642313	21	—	—
393147 2013 BX_{71}	16.3	X	145.07987	146.74654	134.21941	2.66225	0.0635572	0.21461846	2.7628544	21	—	—
393148 2013 BM_{72}	15.7	X	141.06082	96.51470	76.13669	11.57768	0.0498449	0.17802757	3.1295210	21	8 21.8	20.5
393149 2013 BR_{75}	14.0	X	123.20005	243.81040	27.24977	4.43291	0.0286762	0.08375174	5.1737666	21	11 9.2	21.0
393150 2013 BY_{79}	16.1	X	346.69555	214.59609	207.68338	3.84249	0.0558054	0.20972143	2.8056975	21	12 18.5	19.7
393151 2013 BB_{80}	16.6	X	211.62184	357.14118	146.36486	4.61934	0.0151105	0.19290775	2.9664448	21	10 6.5	20.7
393152 2013 BJ_{80}	16.4	X	221.71863	288.16702	141.66645	10.33876	0.0859069	0.17445850	3.1720593	21	7 7.9	21.2
393153 2013 CN	16.6	X	171.33412	121.12137	141.14690	8.25503	0.1923948	0.21320206	2.7750775	21	—	—
393154 2013 CA_{2}	17.0	X	193.31283	155.58622	170.14901	9.74921	0.0837518	0.24275479	2.5450179	21	1 22.0	20.9
393155 2013 CM_{15}	14.3	X	280.70474	12.62936	103.21224	3.35879	0.1036768	0.08325080	5.1945001	21	10 29.3	21.1
393156 2013 CV_{15}	14.4	X	281.75463	346.21802	135.46632	11.06333	0.0366190	0.08369769	5.1759937	21	11 16.2	21.3
393157 2013 CD_{16}	13.3	X	308.99296	103.85201	334.94512	22.67919	0.0900171	0.08124172	5.2797899	21	10 11.7	20.3
393158 2013 CO_{19}	16.9	X	314.88192	5.16948	52.23021	2.62885	0.0581119	0.20124033	2.8839830	21	10 26.2	20.5
393159 2013 CT_{22}	15.9	X	277.67207	76.51292	303.70443	6.95528	0.0806337	0.17734677	3.1375250	21	7 12.8	20.3
393160 2013 CN_{23}	16.4	X	21.25584	250.30165	145.53872	12.30077	0.0987704	0.21180518	2.7872655	21	—	—
393161 2013 CX_{24}	16.7	X	353.45473	286.75649	167.84401	6.10594	0.0339510	0.21914515	2.7246757	21	—	—
393162 2013 CY_{25}	15.8	X	321.46129	69.43991	300.15803	7.90316	0.0963425	0.18329413	3.0692836	21	8 25.9	19.7
393163 2013 CK_{27}	16.2	X	332.32830	177.23597	196.85341	7.73724	0.0552946	0.18383729	3.0632350	21	9 21.5	20.3
393164 2013 CX_{29}	16.4	X	39.32309	291.24753	45.99506	3.05769	0.0782870	0.19487507	2.9464463	21	11 12.8	20.1
393165 2013 CE_{30}	14.1	X	273.93823	1.60932	121.03182	9.85371	0.0763967	0.08348747	5.1846788	21	11 3.9	21.0
393166 2013 CM_{37}	16.4	X	137.70243	19.91549	199.64549	10.50477	0.0328731	0.18550177	3.0448835	21	10 9.9	20.8
393167 2013 CW_{37}	15.3	X	187.45218	330.29035	153.90427	17.33491	0.0650585	0.17114907	3.2128197	21	8 7.5	20.2
393168 2013 CV_{40}	16.4	X	350.91219	205.78303	151.03930	10.96348	0.0942037	0.19016380	2.9949126	21	10 1.8	20.1
393169 2013 CS_{41}	15.6	X	8.95906	255.22654	28.70113	18.81580	0.1356834	0.16971038	3.2309515	21	7 29.7	19.9
393170 2013 CW_{43}	13.9	X	319.88292	302.89947	122.71221	9.94923	0.0367347	0.08109876	5.2859929	21	10 29.8	20.8
393171 2013 CD_{49}	16.5	X	173.08444	201.35030	87.30848	3.37443	0.0696106	0.22731088	2.6590259	21	—	—
393172 2013 CZ_{59}	15.1	X	292.16713	326.47990	276.48904	2.71658	0.1316546	0.12518692	3.9575834	21	2 10.1	20.7
393173 2013 CQ_{60}	16.2	X	26.82823	32.39561	312.31811	8.75596	0.0816206	0.19859501	2.9095366	21	11 2.9	20.1
393174 2013 CD_{66}	15.3	X	351.86980	182.36531	154.75200	18.20389	0.2076266	0.17727390	3.1383847	21	9 4.6	18.3
393175 2013 CK_{66}	16.0	X	92.61657	129.25716	152.87832	10.65411	0.0858029	0.18864216	3.0109963	21	11 12.8	20.6
393176 2013 CF_{69}	15.8	X	249.76723	261.45136	158.22578	9.96668	0.0899777	0.17404382	3.1770958	21	7 25.6	20.4
393177 2013 CW_{70}	14.6	X	266.23847	277.97997	203.83719	7.29665	0.1812779	0.08372208	5.1749884	21	10 8.4	21.6
393178 2013 CP_{73}	15.9	X	72.98803	179.09427	110.14302	7.66463	0.1037933	0.18699639	3.0286371	21	11 1.3	20.3
393179 2013 CX_{80}	15.8	X	33.64396	64.68549	225.49403	4.56360	0.1527921	0.17243826	3.1967864	21	9 11.1	19.9
393180 2013 CR_{95}	16.2	X	320.91752	223.75927	150.50994	11.23203	0.0940460	0.18164133	3.0878742	21	9 3.8	19.9
393181 2013 CH_{100}	15.9	X	1.03155	13.03764	314.03466	7.06829	0.0964319	0.17683597	3.1435641	21	9 2.1	19.9
393182 2013 CU_{100}	13.6	X	49.07020	19.90532	327.12238	15.35824	0.0745504	0.08193514	5.2499590	21	11 12.5	20.6
393183 2013 CA_{101}	15.9	X	281.47839	248.79164	148.45023	15.81581	0.1062694	0.17699222	3.1417137	21	8 3.7	20.4
393184 2013 CR_{101}	14.5	X	305.10365	312.08237	288.21443	1.77919	0.1521258	0.12496360	3.9622970	21	2 19.4	19.9
393185 2013 CZ_{113}	17.2	X	207.98246	91.14808	136.31907	2.08252	0.0310585	0.21850146	2.7300241	21	—	—
393186 2013 CF_{115}	13.5	X	338.39809	279.56101	142.20421	12.92806	0.0994803	0.08096531	5.2917997	21	11 14.3	20.1
393187 2013 CW_{118}	14.9	X	299.71971	107.78863	151.44449	10.34458	0.1989908	0.12491913	3.9632373	21	3 1.6	20.4
393188 2013 CV_{132}	16.6	X	81.89644	154.43202	190.96026	1.45941	0.1041496	0.21556426	2.7547670	21	—	—
393189 2013 CN_{135}	14.8	X	352.29248	170.15035	25.12582	5.32935	0.0924364	0.12642841	3.9316326	21	3 10.5	19.9
393190 2013 CM_{144}	16.2	X	79.42050	114.60597	177.59906	7.97472	0.1019991	0.18653186	3.0336632	21	11 10.5	20.7
393191 2013 CT_{144}	16.2	X	276.21380	242.77517	150.79672	10.03749	0.1142511	0.17445690	3.1720787	21	7 21.8	20.7
393192 2013 CR_{145}	16.5	X	155.36709	220.29735	140.36877	15.11276	0.1321924	0.23798882	2.5788832	21	1 30.9	20.3
393193 2013 CQ_{148}	15.6	X	93.07880	157.03784	96.48524	18.76231	0.1781589	0.18109905	3.0940354	21	10 25.1	20.7
393194 2013 CB_{153}	15.9	X	156.77962	153.79837	57.71363	5.72643	0.0332832	0.18704966	3.0280620	21	10 23.8	20.2
393195 2013 CJ_{173}	16.6	X	133.78715	53.92081	299.19843	1.16777	0.0442817	0.22501165	2.6771090	21	—	—
393196 2013 CE_{180}	15.5	X	214.92608	49.33668	48.23744	28.17057	0.1991882	0.17778201	3.1324021	21	8 5.4	21.2
393197 2013 CG_{180}	15.5	X	188.76463	331.43545	163.42921	21.94513	0.0590045	0.17645876	3.1480424	21	8 22.6	20.3
393198 2013 CG_{181}	15.7	X	184.02734	66.85604	42.38712	14.28293	0.1632332	0.17283370	3.1919085	21	7 18.7	21.2
393199 2013 CN_{185}	13.6	X	341.53779	280.61211	149.32434	12.10504	0.0382058	0.08367377	5.1769800	21	11 27.8	20.4
393200 2013 CL_{197}	14.0	X	252.42773	355.77452	132.96772	12.44689	0.1046815	0.08293221	5.2077951	21	10 15.7	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
393201 2013 CQ_{197}	16.7	X	234.29567	131.28485	176.22656	7.10680	0.1595255	0.24660301	2.5184721	21	2 8.6	20.8
393202 2013 CC_{204}	14.0	X	326.54733	350.47930	78.49681	3.69158	0.0502032	0.08198200	5.2479582	21	11 6.6	20.7
393203 2013 CX_{204}	16.5	X	350.83517	332.46946	37.74809	2.57968	0.0935492	0.19002494	2.9963714	21	10 16.7	20.1
393204 2013 CO_{205}	16.0	X	44.46166	162.54723	122.63338	6.32538	0.1193964	0.17338473	3.1851421	21	9 20.7	20.2
393205 2013 CW_{206}	14.5	X	293.75157	280.33060	180.41353	6.18594	0.1278847	0.08252185	5.2250454	21	10 24.9	21.1
393206 2013 CM_{210}	14.2	X	357.38382	115.85394	285.59925	8.18840	0.0329369	0.08522760	5.1138645	21	11 11.3	21.0
393207 2013 CG_{211}	16.2	X	121.79228	96.77784	107.58611	3.56609	0.0473084	0.17946984	3.1127320	21	9 4.8	20.6
393208 2013 CG_{214}	14.3	X	292.58789	236.98444	226.88608	2.00603	0.0973989	0.08327928	5.1933161	21	10 29.5	21.0
393209 2013 CC_{222}	14.2	X	10.47032	124.73325	264.25934	7.56022	0.0712162	0.08336536	5.1897404	21	11 15.5	20.8
393210 2013 DO_{1}	16.5	X	6.51934	151.64533	99.95272	14.62451	0.1663200	0.26121047	2.4236822	21	5 31.6	18.7
393211 2013 DF_{2}	14.0	X	290.65123	285.89572	156.64588	4.51374	0.1124307	0.08294679	5.2071848	21	10 2.8	20.7
393212 2013 EW	16.0	X	181.25903	54.61139	67.38551	20.46879	0.0937065	0.17363465	3.1820851	21	8 3.2	21.2
393213 2013 EY	15.7	X	240.18385	56.01045	36.78180	17.58248	0.0784265	0.18481423	3.0524305	21	9 6.9	20.4
393214 2013 EG_{5}	16.0	X	65.43686	130.84045	164.50195	10.98715	0.1634840	0.17922093	3.1156134	21	11 6.6	20.6
393215 2013 EO_{15}	13.3	X	31.27939	24.56002	0.39479	27.26577	0.0752822	0.08335731	5.1900743	21	12 1.1	20.3
393216 2013 EH_{16}	14.2	X	215.45801	83.92054	123.63431	6.23283	0.0288743	0.08263426	5.2203059	21	12 6.3	21.2
393217 2013 ED_{17}	15.7	X	203.30827	261.80568	150.60397	11.54000	0.1103959	0.15885106	3.3765716	21	5 30.1	21.1
393218 2013 EH_{18}	15.7	X	282.76149	263.98957	138.52594	14.00236	0.0318989	0.17789873	3.1310318	21	8 24.9	19.9
393219 2013 EA_{31}	17.8	X	131.65459	128.52923	138.06671	7.18442	0.1254447	0.30368364	2.1920735	21	12 21.2	21.1
393220 2013 EC_{61}	17.9	X	145.52674	104.56017	4.16227	2.93595	0.1384490	0.26843565	2.3799943	21	6 6.4	21.3
393221 2013 EJ_{71}	15.8	X	318.45657	197.15672	164.03397	12.81019	0.0054136	0.16924938	3.2368158	21	8 19.0	20.4
393222 2013 ES_{86}	17.2	X	169.90112	73.67671	5.46669	6.61914	0.1035229	0.26523196	2.3991210	21	5 20.7	20.8
393223 2013 EN_{101}	15.2	X	203.63606	344.18563	140.97222	19.94890	0.0775891	0.16968929	3.2312192	21	8 27.8	20.0
393224 2013 EB_{103}	17.0	X	23.22134	166.67410	101.89380	7.76462	0.0934912	0.26754481	2.3852745	21	7 27.1	19.3
393225 2013 FL_{4}	13.6	X	289.30192	295.09699	176.93254	23.21460	0.0590906	0.08232692	5.2332900	21	11 11.1	20.6
393226 2013 FZ_{10}	15.8	X	100.91709	301.41761	11.78938	11.57082	0.1003447	0.18660635	3.0328559	21	12 26.5	20.6
393227 2013 GC_{53}	17.1	X	345.40484	131.24493	149.58693	4.03322	0.0213777	0.25876435	2.4389324	21	6 10.2	20.0
393228 2013 GN_{56}	17.2	X	198.19758	45.26472	64.00736	6.48116	0.1116480	0.28084398	2.3093653	21	8 5.2	20.5
393229 2013 GL_{87}	16.4	X	205.70464	30.20059	173.03890	9.74308	0.0707734	0.18435618	3.0574844	21	12 4.2	21.0
393230 2013 GU_{95}	14.9	X	164.68829	113.62903	92.82673	27.52057	0.1137012	0.17672760	3.1448490	21	11 5.2	20.3
393231 2013 GT_{102}	15.6	X	95.45581	210.27467	91.50151	2.11914	0.0304523	0.18339412	3.0681678	21	11 29.7	20.0
393232 2013 JP_{26}	15.8	X	254.18564	51.92361	48.84406	18.05868	0.1881739	0.16999252	3.2273756	21	9 18.2	20.9
393233 2013 JL_{58}	16.3	X	200.56197	217.85983	102.21134	6.11100	0.0646699	0.21371057	2.7706737	21	1 29.3	20.3
393234 2013 JS_{62}	17.6	X	50.16695	231.40939	61.05350	2.97045	0.2036767	0.27490497	2.3425075	21	11 1.7	20.6
393235 2013 OG_{9}	16.5	X	328.64010	214.68739	142.34970	6.21412	0.1396050	0.25210039	2.4817253	21	8 26.8	18.7
393236 2013 PJ_{43}	16.6	X	285.58848	7.85325	319.46503	8.36478	0.2075546	0.21668167	2.7452881	21	4 20.4	20.7
393237 2013 PL_{61}	16.2	X	222.86282	17.70613	286.69559	10.08153	0.0742596	0.19746776	2.9205988	21	2 2.5	20.7
393238 2013 QV_{22}	16.6	X	314.81130	139.49194	129.77672	7.37502	0.0867736	0.21441547	2.7645979	21	4 8.5	20.2
393239 2013 QH_{29}	17.4	X	235.18849	208.43106	171.28782	2.73068	0.1203355	0.21928580	2.7235105	21	5 17.0	21.4
393240 2013 QF_{47}	17.4	X	203.01160	30.78390	166.16527	7.95346	0.1326773	0.27840619	2.3228266	21	12 2.5	20.7
393241 2013 QL_{59}	17.4	X	260.95830	265.03658	125.36121	3.43958	0.1389769	0.23108068	2.6300275	21	6 25.9	21.0
393242 2013 QC_{64}	15.6	X	84.97202	222.34803	153.01958	9.44538	0.1812419	0.16895430	3.2405835	21	—	—
393243 2013 QH_{75}	16.9	X	296.86102	258.15281	68.91193	6.23949	0.0729025	0.22387760	2.6861419	21	5 28.9	20.2
393244 2013 QE_{82}	16.5	X	258.87690	288.75092	333.91560	8.73798	0.0463482	0.19233344	2.9723471	21	1 28.8	20.8
393245 2013 QG_{86}	17.7	X	283.65999	30.20926	116.57021	3.82790	0.0889814	0.28430217	2.2906000	21	—	—
393246 2013 RB	15.8	X	201.16326	74.92148	187.03444	27.08220	0.2429514	0.17502049	3.1652654	21	—	—
393247 2013 RE_{37}	17.8	X	89.95574	139.93528	170.09521	5.71000	0.1589223	0.27090650	2.3655008	21	12 30.3	21.5
393248 2013 RB_{68}	16.8	X	109.65582	72.00471	34.87262	9.68688	0.3037033	0.17937842	3.1137895	21	5 18.1	21.8
393249 2013 RK_{73}	15.7	X	268.29714	173.80191	274.14436	13.01841	0.2141684	0.22293495	2.6937086	21	9 1.7	19.7
393250 2013 RA_{97}	15.6	X	262.36953	349.57865	251.67529	8.55844	0.0088765	0.18048745	3.1010210	21	1 10.3	20.0
393251 2013 SM_{45}	17.0	X	88.85057	312.22284	180.68616	1.89106	0.0162311	0.20461856	2.8521522	21	4 18.0	20.7
393252 2013 SH_{52}	15.7	X	93.96119	322.55928	131.04268	11.84995	0.0649850	0.18222651	3.0812600	21	3 18.8	20.1
393253 2013 TU_{3}	16.3	X	281.97674	142.49489	286.53897	12.27539	0.0433788	0.24027631	2.5624894	21	9 23.6	19.8
393254 2013 TL_{11}	17.4	X	341.16860	228.86719	138.57198	8.00425	0.2036739	0.24442457	2.5334139	21	10 11.4	19.5
393255 2013 TV_{13}	17.0	X	280.49900	217.49372	136.40717	3.27397	0.1818261	0.22122572	2.7075655	21	5 27.2	20.7
393256 2013 TQ_{37}	16.5	X	199.10444	302.93240	184.22094	13.55219	0.1182171	0.23101056	2.6305597	21	8 22.6	20.7
393257 2013 TV_{87}	16.1	X	160.71170	253.45010	108.61435	2.44494	0.0625202	0.18078902	3.0975715	21	2 10.8	20.7
393258 2013 TB_{107}	16.2	X	81.75572	283.04541	175.46154	2.12514	0.0895725	0.17743187	3.1365217	21	3 9.4	20.3
393259 2013 TD_{138}	15.8	X	118.48696	39.01573	26.25969	6.84829	0.0944240	0.18405208	3.0608513	21	3 16.3	20.2
393260 2013 UU_{14}	16.5	X	275.53415	37.54765	327.68836	8.17687	0.1808386	0.21759882	2.7375687	21	6 3.6	20.6
393261 2013 VK_{8}	17.4	X	336.33700	46.44259	64.22376	7.29158	0.1194193	0.26601922	2.3943853	21	—	—
393262 2013 VW_{8}	15.7	X	139.70776	341.50494	77.10896	10.22646	0.0828772	0.17865091	3.1222372	21	4 3.5	20.5
393263 2013 VT_{14}	14.6	X	44.18988	35.96237	265.40791	7.53519	0.1766973	0.12436494	3.9750024	21	10 6.5	19.9
393264 2013 WW_{16}	18.1	X	59.49542	54.01194	61.69073	4.21027	0.1429444	0.29308776	2.2445929	21	2 7.7	19.8
393265 2013 WK_{32}	15.7	X	66.54938	48.65386	68.31008	9.12588	0.0564947	0.17087392	3.2162678	21	3 13.9	20.2
393266 2013 WQ_{35}	15.4	X	265.68525	252.10884	35.42655	11.65725	0.0058774	0.18114863	3.0934707	21	3 17.5	19.9
393267 2013 WH_{43}	18.5	X	22.63221	87.74484	51.32880	3.97483	0.1293538	0.28615637	2.2806944	21	—	—
393268 2013 WA_{53}	16.2	X	27.41609	301.93913	47.29983	18.80406	0.0280686	0.24258295	2.5462196	21	11 13.2	19.3
393269 2013 WO_{56}	17.2	X	109.76431	204.18241	170.45854	7.05953	0.1780440	0.28468521	2.2885449	21	—	—
393270 2013 WS_{64}	16.8	X	313.93959	74.54676	324.73826	4.49977	0.1659939	0.23756069	2.5819807	21	9 23.8	19.2
393271 2013 WN_{65}	16.6	X	262.12124	281.88987	113.01307	6.50294	0.0848532	0.21432692	2.7653593	21	7 11.2	20.4
393272 2013 WT_{66}	15.7	X	186.54376	279.78827	108.79584	11.55210	0.1331402	0.18756658	3.0224961	21	4 16.8	20.7
393273 2013 WU_{68}	16.1	X	354.72652	303.86587	89.70663	11.84144	0.1221205	0.23915648	2.5704823	21	12 6.6	18.9
393274 2013 WJ_{82}	17.5	X	12.82816	28.79095	325.51169	0.96219	0.0664323	0.24190516	2.5509736	21	11 4.4	20.4
393275 2013 WX_{85}	16.4	X	316.03450	281.05278	82.40859	7.20057	0.0522603	0.22075872	2.7113826	21	8 22.0	19.9
393276 2013 WH_{107}	16.1	X	194.69108	49.25179	54.64189	9.27984	0.0871775	0.21369593	2.7708002	21	7 24.4	20.4
393277 2013 WN_{108}	15.2	X	97.25954	38.59724	67.74632	15.69638	0.0582790	0.17706351	3.1408703	21	4 11.4	19.8
393278 2013 XN_{3}	17.1	X	220.07365	288.83997	201.36960	6.56947	0.0824284	0.22869488	2.6482873	21	9 23.3	20.8
393279 2013 XA_{10}	15.9	X	32.02030	160.61874	193.11513	6.51872	0.2816785	0.24522306	2.5279114	21	—	—
393280 2013 XV_{11}	18.2	X	46.88483	355.61957	120.71329	1.97742	0.1424883	0.28793738	2.2712800	21	1 12.4	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
393281 2013 XO_{19}	16.8	X	265.64057	246.39838	173.11687	12.11342	0.1173461	0.21790900	2.7349703	21	8 10.9	20.7
393282 2013 YS_3	16.3	X	240.76305	29.51318	99.58321	13.92846	0.1116871	0.23362418	2.6109037	21	10 21.9	20.2
393283 2013 YB_5	16.6	X	199.58641	257.12080	286.44822	5.99964	0.1121062	0.22758517	2.6568890	21	11 2.9	20.6
393284 2013 YN_5	16.6	X	237.72277	316.20459	123.08085	3.03957	0.0245653	0.20694342	2.8307508	21	8 16.6	20.4
393285 2013 YE_6	15.3	X	343.98739	181.22300	228.81759	13.62219	0.1543268	0.24455168	2.5325359	21	12 14.0	17.9
393286 2013 YR_6	16.1	X	324.45361	288.86628	93.24868	13.08763	0.1804395	0.22986568	2.6392871	21	9 27.5	18.9
393287 2013 YG_{12}	16.4	X	186.70114	6.31635	41.68019	2.55415	0.0752377	0.18948929	3.0020155	21	5 4.2	21.0
393288 2013 YS_{14}	16.4	X	167.73711	53.52141	117.22340	6.09455	0.0050312	0.21281327	2.7784563	21	9 19.9	20.2
393289 2013 YT_{41}	18.1	X	111.45551	312.68126	125.12421	3.66137	0.1286208	0.30112313	2.2044824	21	3 10.6	20.4
393290 2013 YP_{45}	17.7	X	63.95830	335.39479	153.87064	5.24159	0.1532438	0.28908719	2.2652535	21	3 11.8	19.4
393291 2013 YR_{46}	16.2	X	322.88782	338.40395	314.27427	8.75932	0.0485377	0.18666960	3.0321707	21	5 23.2	20.4
393292 2013 YN_{48}	15.6	X	216.67107	212.28902	101.84291	18.51446	0.1011036	0.18007546	3.1057491	21	2 15.3	20.7
393293 2013 YN_{50}	17.6	X	339.38632	47.95512	130.77296	7.93922	0.0621036	0.27547713	2.3392628	21	—	—
393294 2013 YO_{58}	16.0	X	35.41286	137.99257	119.12644	12.16222	0.0504069	0.19774838	2.9178352	21	7 22.8	19.8
393295 2013 YX_{63}	17.8	X	175.39780	47.01661	340.91451	6.67529	0.1217996	0.29777799	2.2209613	21	3 18.1	20.8
393296 2013 YU_{64}	15.9	X	18.08621	285.00339	308.69342	5.44339	0.1231807	0.17931950	3.1144716	21	5 29.3	19.6
393297 2013 YW_{65}	16.3	X	334.16672	78.00434	358.11874	17.91023	0.0900646	0.24402668	2.5361669	21	12 31.1	19.6
393298 2013 YE_{68}	17.7	X	20.82212	321.12207	111.24493	3.58827	0.1763231	0.25599246	2.4565066	21	—	—
393299 2013 YM_{68}	15.7	X	60.68390	251.52035	309.10135	8.38282	0.0334917	0.17816035	3.1279659	21	6 11.2	20.1
393300 2013 YF_{69}	15.5	X	47.21824	82.62560	118.52884	13.02201	0.1075010	0.17454555	3.1710045	21	6 4.8	19.7
393301 2013 YY_{72}	16.0	X	289.08615	59.54861	264.73580	8.63317	0.0586415	0.18424451	3.0587197	21	5 18.2	20.2
393302 2013 YA_{88}	17.0	X	278.30908	140.42734	295.89120	17.80343	0.1523171	0.35230588	1.9854370	21	9 21.1	19.3
393303 2013 YX_{100}	16.9	X	285.86640	64.50387	127.79050	3.84479	0.0199652	0.26176774	2.4202411	21	—	—
393304 2013 YL_{105}	16.7	X	109.40071	243.40336	23.99486	3.67280	0.0560097	0.21520764	2.7578095	21	11 10.6	20.7
393305 2013 YQ_{105}	16.8	X	290.68904	263.72406	117.23762	5.22037	0.1161957	0.20984661	2.8045815	21	7 26.6	20.2
393306 2013 YN_{106}	17.6	X	58.93130	302.48186	133.34392	4.62522	0.1930695	0.27663834	2.3327121	21	—	—
393307 2013 YT_{108}	17.7	X	313.80406	330.83103	127.72476	4.53175	0.1475013	0.24060117	2.5601823	21	12 23.9	20.1
393308 2013 YQ_{124}	16.8	X	343.95459	340.19820	78.81365	4.20636	0.1375857	0.23735705	2.5834573	21	12 23.3	19.3
393309 2013 YS_{124}	17.2	X	85.29084	70.16940	338.29638	6.70228	0.1064930	0.26984605	2.3716941	21	—	—
393310 2013 YC_{132}	16.9	X	277.07569	135.95144	32.68983	6.84624	0.0804451	0.25221969	2.4809427	21	—	—
393311 2013 YM_{142}	15.0	X	316.34673	358.66488	263.68279	16.74239	0.1568598	0.18115270	3.0934244	21	3 14.5	19.6
393312 2013 YM_{143}	17.7	X	11.56722	199.51322	293.87436	1.68799	0.0543821	0.28214584	2.3022560	21	—	—
393313 2014 AZ_3	16.3	X	122.62199	275.62403	307.76308	12.65301	0.1188890	0.20999641	2.8032477	21	9 29.6	20.9
393314 2014 AN_8	16.0	X	356.41052	138.98496	323.71290	2.82806	0.1531594	0.12553575	3.9502487	21	—	—
393315 2014 AB_{24}	16.3	X	301.46477	185.92583	131.30257	3.55027	0.1126944	0.18373931	3.0643238	21	5 19.5	20.4
393316 2014 AZ_{26}	15.9	X	89.86971	223.84028	291.23294	8.75106	0.1630812	0.17457605	3.1706351	21	6 10.0	20.4
393317 2014 AB_{30}	16.5	X	225.21520	288.31188	201.45189	9.78548	0.0741691	0.21804780	2.7338095	21	9 28.7	20.4
393318 2014 AG_{37}	17.1	X	294.84144	258.74862	143.23789	11.72815	0.2288239	0.22827283	2.6515505	21	8 13.5	20.3
393319 2014 AV_{40}	18.0	X	86.57142	223.12618	296.11730	4.72732	0.0791532	0.30736291	2.1745450	21	5 21.4	20.3
393320 2014 AR_{49}	17.6	X	20.19207	158.75182	335.54875	5.20473	0.1688726	0.27294564	2.3537045	21	—	—
393321 2014 AY_{49}	17.0	X	243.46346	262.19013	172.15096	11.03232	0.1664920	0.20390500	2.8588024	21	7 27.9	21.5
393322 2014 AE_{50}	16.9	X	89.89195	159.62087	171.97443	11.97822	0.0729574	0.23641273	2.5903322	21	—	—
393323 2014 AJ_{53}	16.2	X	214.72945	33.84773	120.04893	14.31614	0.1091256	0.22265118	2.6959969	21	10 21.7	20.4
393324 2014 BZ_6	16.6	X	288.36188	290.95546	120.42142	4.69750	0.0898921	0.21146609	2.7902443	21	9 8.3	20.1
393325 2014 BE_7	17.5	X	290.09220	236.13934	323.46115	3.07958	0.1345640	0.25891390	2.4379931	21	—	—
393326 2014 BV_7	17.6	X	319.91475	123.80318	337.81869	2.33620	0.1773520	0.24227668	2.5483650	21	—	—
393327 2014 BD_{12}	16.1	X	183.20578	286.22257	135.27068	10.59223	0.0910861	0.17784120	3.1317070	21	5 21.1	21.1
393328 2014 BP_{18}	17.3	X	259.62106	336.08901	252.90092	1.52706	0.1511098	0.25778147	2.4451279	21	—	—
393329 2014 BV_{21}	18.3	X	94.02951	207.01317	299.33090	2.98303	0.1167321	0.30274179	2.1966177	21	5 20.6	20.7
393330 2014 BT_{22}	17.4	X	19.31221	298.88242	162.57772	3.87934	0.1754503	0.26298864	2.4127448	21	—	—
393331 2014 BS_{34}	18.0	X	65.27242	16.18347	76.59890	2.16434	0.1578873	0.27752350	2.3277493	21	1 19.5	19.8
393332 2014 BP_{35}	17.5	X	110.22154	36.88800	13.17506	3.17180	0.1538078	0.27856609	2.3219376	21	2 5.9	20.0
393333 2014 BM_{36}	18.0	X	16.90829	89.33063	103.72308	3.52718	0.1054572	0.28920688	2.2646285	21	3 16.5	20.1
393334 2014 BP_{36}	16.2	X	18.71431	334.60398	337.40620	5.57869	0.0868072	0.20316460	2.8657437	21	9 13.2	19.6
393335 2014 BH_{40}	16.7	X	154.11114	243.27987	336.40447	7.75097	0.1218246	0.21550755	2.7552503	21	10 30.1	21.2
393336 2014 BV_{41}	16.5	X	334.42335	192.79542	101.48889	3.04086	0.0524567	0.17984410	3.1084120	21	6 12.7	20.6
393337 2014 BK_{44}	16.9	X	289.55899	76.95531	38.15360	12.00891	0.2376967	0.23847196	2.5753989	21	11 16.5	19.4
393338 2014 BN_{44}	16.7	X	143.74830	267.33178	322.37296	10.89107	0.1568634	0.21285483	2.7780946	21	10 31.1	21.5
393339 2014 BT_{44}	18.6	X	88.81781	193.70843	304.92780	1.82995	0.0797142	0.29872454	2.2162672	21	4 24.4	21.0
393340 2014 BC_{54}	17.5	X	350.55446	317.88242	143.66770	1.53884	0.1467656	0.25376272	2.4708754	21	—	—
393341 2014 BG_{56}	17.0	X	277.28617	138.52750	82.64387	3.20946	0.1642140	0.25713213	2.4492426	21	—	—
393342 2014 BG_{63}	15.8	X	48.19552	196.42162	121.59203	8.72804	0.1128747	0.21821205	2.7324374	21	11 12.6	19.5
393343 2014 CE_5	15.8	X	295.89245	18.24777	320.13932	7.89928	0.0892695	0.18320811	3.0702442	21	6 10.6	20.1
393344 2014 EF_1	17.9	X	59.90168	12.22594	156.74757	6.72985	0.0299095	0.29035836	2.2586373	21	4 21.4	20.4
393345 2014 EH_1	16.1	X	150.82265	112.83347	8.99325	4.71910	0.0111460	0.17517724	3.1633768	21	6 22.7	20.7
393346 4329 $P–L$	18.0	X	240.56211	53.11737	327.79958	1.26604	0.2039380	0.28713812	2.2754929	21	5 12.7	21.5
393347 4725 $P–L$	16.4	X	66.16639	41.80590	357.88948	6.06715	0.3068539	0.18178045	3.0862985	21	—	—
393348 1988 RO_1	17.2	X	186.59704	155.66548	181.15914	11.63083	0.5085995	0.22495526	2.6775563	21	2 14.3	23.0
393349 1991 VU_9	17.3	X	229.14945	274.35474	97.47292	2.14886	0.2510853	0.28532419	2.2851269	21	4 19.9	21.1
393350 1992 RN_1	16.4	X	18.81771	210.62338	138.59754	6.04776	0.5111294	0.17207855	3.2012399	21	12 31.0	20.4
393351 1993 TR_{26}	16.3	X	22.48693	305.15826	45.35426	6.13003	0.2797187	0.17784554	3.1316561	21	12 1.2	20.1
393352 1995 OA_{14}	17.6	X	287.96055	30.04126	233.46204	3.90680	0.1643356	0.25471712	2.4646994	21	2 4.6	21.3
393353 1995 UA_{11}	16.3	X	22.25986	85.44340	6.82660	15.17375	0.0818309	0.23984263	2.5655774	21	—	—
393354 1995 UC_{23}	16.4	X	347.35953	149.59585	231.40193	8.76816	0.0940496	0.18906584	3.0064963	21	10 23.6	20.0
393355 1995 UQ_{79}	16.8	X	46.95107	290.46074	358.60119	1.83806	0.1038678	0.18789239	3.0190010	21	9 25.8	20.7
393356 1996 EH_5	18.0	X	66.32877	107.42543	6.95534	1.67095	0.1325175	0.27498455	2.3420555	21	2 21.9	20.2
393357 1997 BZ_3	18.2	X	159.97335	162.70715	312.25113	3.79150	0.0857757	0.29945678	2.2126529	21	6 28.2	21.0
393358 1997 TT_2	17.7	X	250.11557	17.31814	345.11011	1.97739	0.2260018	0.27698307	2.3307762	21	4 26.2	21.2
393359 1998 ME_3	19.2	X	51.96362	165.35371	129.49674	5.99948	0.4833592	0.30688826	2.1767867	21	12 12.7	22.9
393360 1998 TD_{26}	17.1	X	184.14554	283.43229	39.41177	4.00721	0.2495144	0.23305837	2.6151278	21	1 22.5	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
393361 1999 EK_{15}	16.2	X	59.02102	180.53626	177.05060	12.34644	0.0396286	0.20605971	2.8388383	21	12 28.9	20.4
393362 1999 FZ_{15}	17.6	X	3.67575	201.79476	358.77216	0.80289	0.1322402	0.26798958	2.3826346	21	3 3.1	19.9
393363 1999 GU_{10}	17.8	X	22.18503	140.43494	22.70280	6.82481	0.0730999	0.26506414	2.4001335	21	2 17.7	20.4
393364 1999 RK_{1}	17.0	X	183.05021	44.81441	358.79340	28.41382	0.2971524	0.29650578	2.2273097	21	4 11.8	21.3
393365 1999 RK_{213}	18.6	X	41.70858	324.86171	354.39337	2.43549	0.1696566	0.31855066	2.1233278	21	11 28.8	21.0
393366 1999 TM_{21}	16.4	X	330.80062	98.36821	1.65037	14.93854	0.0442020	0.23491236	2.6013501	21	—	—
393367 1999 TG_{60}	16.4	X	38.57010	140.49143	188.04769	9.57020	0.1379553	0.18301661	3.0723855	21	11 9.2	20.5
393368 1999 TJ_{134}	18.2	X	322.11011	9.06309	0.86601	5.03379	0.1492907	0.31194783	2.1531853	21	9 10.4	19.6
393369 1999 TE_{249}	15.9	X	357.82148	106.06643	252.42007	8.79964	0.2658093	0.17983099	3.1085631	21	10 19.8	18.9
393370 1999 TD_{260}	17.1	X	38.34420	195.20897	212.75098	0.86360	0.2212367	0.23341370	2.6124731	21	—	—
393371 1999 TY_{286}	15.8	X	327.94186	149.65836	216.41436	16.44841	0.2228372	0.17589582	3.1547555	21	8 15.5	19.5
393372 1999 TP_{317}	16.6	X	32.04253	103.30347	188.21237	15.60620	0.2023883	0.17951439	3.1122170	21	9 19.0	20.4
393373 1999 VB_{46}	15.8	X	21.16513	35.29953	24.05768	32.40022	0.1738476	0.23190291	2.6238072	21	—	—
393374 1999 VV_{83}	16.4	X	329.30125	354.32873	9.01599	3.35281	0.1150908	0.17429594	3.1740313	21	8 31.6	20.3
393375 1999 VZ_{90}	17.7	X	239.95618	197.35918	207.21798	5.47412	0.1785391	0.30396675	2.1907122	21	6 15.3	20.8
393376 1999 VW_{120}	16.1	X	21.09871	115.43963	227.56726	10.25412	0.1750677	0.17993032	3.1074190	21	11 4.5	19.7
393377 1999 VX_{136}	17.6	X	13.44461	260.71635	58.11644	6.85724	0.1366355	0.31077652	2.1585921	21	10 10.3	19.4
393378 1999 VR_{138}	16.0	X	0.79631	282.14405	63.68034	16.69359	0.1690003	0.17529516	3.1619580	21	10 11.5	19.8
393379 1999 XQ_{47}	16.9	X	92.92261	340.81711	62.73818	13.14735	0.1924714	0.23843981	2.5756304	21	1 18.2	20.0
393380 2000 AJ_{213}	17.2	X	274.97876	204.67864	332.40357	2.64034	0.1125073	0.22512886	2.6761796	21	—	—
393381 2000 AL_{219}	17.5	X	275.90353	268.64066	102.85784	6.17864	0.1809642	0.30008529	2.2095623	21	6 11.4	20.2
393382 2000 BC_{10}	17.3	X	266.64324	26.93138	133.35390	10.17289	0.2064550	0.22031260	2.7150417	21	12 12.9	20.7
393383 2000 CO_{132}	17.1	X	22.14235	290.96739	134.90083	5.76001	0.0313997	0.22467117	2.6798130	21	—	—
393384 2000 FR_{1}	17.1	X	236.29309	295.86729	194.76996	5.28622	0.0639536	0.20858476	2.8158812	21	10 14.8	20.9
393385 2000 GO_{17}	17.2	X	270.45048	316.67883	183.84151	5.87747	0.3626791	0.21767117	2.7369621	21	10 28.3	20.7
393386 2000 GL_{121}	17.2	X	226.59361	37.93823	183.07074	5.06165	0.1112353	0.21752640	2.7381763	21	—	—
393387 2000 HU_{28}	17.0	X	54.97141	338.85819	221.63988	23.70291	0.1944779	0.28428172	2.2907099	21	6 20.3	19.7
393388 2000 OW_{68}	17.3	X	270.60301	201.30448	109.08405	5.14399	0.2364061	0.27155830	2.3617141	21	3 12.5	21.0
393389 2000 QG_{2}	16.6	X	114.53814	167.88587	166.71663	18.85736	0.3802202	0.20331619	2.8643192	21	—	—
393390 2000 QZ_{46}	17.0	X	119.90400	189.43944	148.17558	9.17658	0.3061678	0.20474569	2.8509715	21	—	—
393391 2000 QU_{164}	17.5	X	267.91790	103.87559	233.65101	4.95520	0.2723260	0.27148572	2.3621351	21	4 6.3	21.2
393392 2000 QK_{199}	17.0	X	103.00318	185.31235	145.48923	10.13086	0.3566991	0.20218259	2.8750156	21	—	—
393393 2000 RN_{19}	17.4	X	312.76686	63.50584	240.18229	5.42418	0.3010881	0.27471106	2.3436097	21	4 5.1	20.5
393394 2000 SU_{13}	17.7	X	246.28660	291.12608	62.59864	3.15640	0.2627928	0.26921278	2.3754119	21	4 11.6	21.7
393395 2000 SP_{53}	16.0	X	333.47606	165.04239	184.46007	15.54786	0.1484013	0.18533733	3.0466842	21	8 14.2	19.7
393396 2000 SH_{56}	17.7	X	233.17986	129.94796	213.22640	0.68698	0.2093540	0.26640711	2.3920606	21	3 20.4	21.5
393397 2000 SS_{228}	17.4	X	240.34390	317.00302	18.38500	4.21309	0.2776961	0.26582953	2.3955242	21	3 15.1	21.6
393398 2000 SD_{286}	17.0	X	158.06417	154.39177	221.42278	10.97841	0.1333258	0.25899344	2.4374939	21	2 14.7	20.8
393399 2000 VM_{44}	16.8	X	144.07617	144.68445	220.69740	1.67893	0.2142316	0.25385123	2.4703010	21	1 31.4	20.4
393400 2000 WT_{1}	17.7	X	161.51124	176.12343	195.49302	1.16974	0.1968348	0.25576468	2.4579649	21	2 23.1	21.6
393401 2000 WH_{150}	16.5	X	273.02227	6.54632	38.03397	8.51058	0.1764988	0.17947266	3.1126995	21	7 26.2	21.0
393402 2000 WU_{151}	16.8	X	122.12652	207.28034	189.14170	10.03536	0.1605946	0.25285515	2.4767843	21	2 6.1	20.2
393403 2000 WO_{155}	16.9	X	194.35303	333.56704	30.70610	10.69179	0.2132293	0.26004512	2.4309176	21	3 18.9	21.0
393404 2000 YP_{8}	17.0	X	291.77849	184.11435	271.42909	5.85943	0.2622618	0.23074944	2.6325439	21	10 16.1	19.8
393405 2000 YA_{76}	16.1	X	86.01990	143.21986	255.08475	12.08962	0.1944255	0.24669978	2.5178134	21	—	—
393406 2001 AL_{45}	17.6	X	326.06643	21.13407	95.81272	6.27522	0.2705995	0.23732674	2.5836773	21	—	—
393407 2001 AF_{46}	16.2	X	294.03977	70.70850	95.40525	29.63582	0.3541061	0.23459019	2.6037312	21	—	—
393408 2001 BR_{36}	16.6	X	308.05142	9.18772	157.47840	7.62747	0.2624412	0.23739013	2.5832173	21	—	—
393409 2001 CY_{20}	16.5	X	280.58111	71.33761	93.06568	29.62425	0.3497843	0.23121025	2.6290449	21	12 20.7	19.0
393410 2001 KH_{1}	17.0	X	183.86308	242.62858	60.06098	15.21852	0.3890439	0.22465513	2.6799405	21	1 5.4	22.3
393411 2001 OX_{25}	16.6	X	161.34223	46.29935	259.66268	6.70057	0.3040398	0.21969320	2.7201424	21	—	—
393412 2001 QE_{48}	16.1	X	185.20774	147.47777	141.78421	13.80615	0.1189775	0.21976402	2.7195580	21	—	—
393413 2001 QL_{102}	18.1	X	304.52801	334.52575	7.08283	1.37676	0.2743479	0.29195869	2.2503761	21	5 22.8	20.6
393414 2001 QT_{110}	17.0	X	94.72732	121.06597	219.39092	13.25967	0.1199934	0.21016375	2.8017594	21	—	—
393415 2001 QX_{134}	17.0	X	239.47090	200.25488	187.26958	24.26749	0.2600104	0.28391917	2.2926596	21	5 19.1	21.2
393416 2001 QC_{146}	17.8	X	353.79654	307.17101	333.53231	3.88741	0.1966488	0.29079708	2.2563650	21	6 12.1	19.2
393417 2001 QB_{179}	17.3	X	291.22077	322.41548	17.13103	7.32491	0.3215734	0.28695455	2.2764632	21	4 24.9	20.7
393418 2001 QA_{250}	16.9	X	260.19511	235.50074	110.27371	7.18559	0.1587151	0.28479731	2.2879444	21	4 24.3	20.3
393419 2001 RS_{18}	16.7	X	103.86589	350.23481	324.68598	4.18470	0.2374689	0.21143607	2.7905084	21	—	—
393420 2001 RB_{46}	17.6	X	263.39839	5.76869	358.93464	4.01398	0.2298599	0.28586549	2.2822413	21	5 10.6	21.0
393421 2001 RA_{110}	17.7	X	12.44668	264.75025	8.31801	3.44105	0.1555147	0.29225543	2.2488526	21	7 19.4	19.3
393422 2001 RO_{154}	17.6	X	244.03909	218.00849	142.80013	3.98403	0.1501782	0.28289558	2.2981866	21	4 26.2	20.9
393423 2001 SE_{8}	17.4	X	200.23538	26.32955	0.29694	6.42662	0.1209733	0.28099454	2.3085403	21	4 13.0	20.9
393424 2001 SB_{68}	17.8	X	222.78085	222.53813	149.30770	2.50244	0.2287719	0.27899473	2.3195588	21	4 15.9	21.8
393425 2001 SJ_{92}	17.3	X	194.18495	60.92512	340.70654	3.55792	0.1181328	0.28122209	2.3072948	21	4 26.6	20.6
393426 2001 SE_{120}	17.5	X	252.63201	134.14466	217.02130	4.27426	0.1575618	0.28357006	2.2945409	21	4 19.7	20.7
393427 2001 SK_{123}	17.1	X	273.66705	186.30169	176.67338	23.42794	0.1888405	0.28826438	2.2695621	21	5 29.1	20.7
393428 2001 SX_{123}	16.5	X	126.21737	350.17872	321.04124	7.37548	0.2090460	0.21311156	2.7758631	21	—	—
393429 2001 SF_{155}	18.0	X	254.38616	24.93024	343.62755	1.93925	0.2484652	0.28428162	2.2907105	21	5 5.8	21.7
393430 2001 SX_{167}	17.2	X	238.84935	343.14915	13.87871	8.80436	0.1950705	0.28060816	2.3106589	21	4 10.8	20.8
393431 2001 SV_{217}	16.6	X	51.78348	180.32978	178.32536	6.51530	0.0934861	0.20676710	2.8323598	21	12 29.3	20.6
393432 2001 SO_{228}	17.5	X	252.17157	307.49022	23.54298	7.22864	0.1640372	0.28016716	2.3130831	21	3 25.5	21.0
393433 2001 SF_{292}	17.2	X	235.62194	166.91925	211.02647	7.34302	0.2700922	0.28381240	2.2932345	21	5 1.4	21.0
393434 2001 SU_{297}	17.9	X	303.09081	32.61827	282.46552	1.88470	0.1843183	0.28718922	2.2752229	21	4 26.8	20.4
393435 2001 SC_{321}	18.1	X	287.00240	331.08785	6.91553	2.39929	0.2530420	0.28589248	2.2820977	21	4 27.9	21.0
393436 2001 SU_{321}	17.0	X	204.92993	9.15342	335.91065	12.73106	0.2111777	0.22599294	2.6693538	21	3 2.8	21.6
393437 2001 SP_{331}	17.4	X	132.79617	140.03441	170.66133	8.12008	0.2238172	0.21345475	2.7728870	21	—	—
393438 2001 SX_{332}	18.3	X	166.75315	234.97514	169.58248	6.04012	0.2214728	0.27569863	2.3380097	21	4 11.3	22.0
393439 2001 TT_{117}	15.5	X	155.21764	12.70887	273.29553	16.99617	0.3232649	0.21442318	2.7645316	21	—	—
393440 2001 TZ_{149}	16.3	X	20.79941	304.92220	65.81546	8.91967	0.2420703	0.20142157	2.8822528	21	12 24.6	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
393441 2001 TE_{162}	17.7	X	249.44191	147.70675	213.96042	5.52921	0.1453501	0.28309679	2.2970974	21	5 2.1	21.0
393442 2001 TQ_{198}	16.9	X	103.59458	283.34946	47.74799	8.34436	0.2768333	0.21118315	2.7927359	21	—	—
393443 2001 TG_{200}	17.4	X	171.51481	336.24947	70.91288	5.46733	0.2367857	0.27648183	2.3335923	21	4 19.9	21.2
393444 2001 TJ_{204}	17.6	X	193.89058	266.00072	122.68869	4.80936	0.1926885	0.27827076	2.3235802	21	4 14.5	21.4
393445 2001 TX_{208}	17.7	X	188.26529	240.76681	157.79576	5.80527	0.1880226	0.27761329	2.3272473	21	4 21.7	21.4
393446 2001 TC_{231}	17.3	X	318.63440	173.52517	135.37902	7.69174	0.2869532	0.28890186	2.2662222	21	4 27.9	19.7
393447 2001 UP_{11}	18.0	X	121.12709	129.53601	210.98711	20.08710	0.0739529	0.36046739	1.9553540	21	—	—
393448 2001 UK_{42}	17.8	X	240.48010	163.34040	191.79745	3.95386	0.1162615	0.28027242	2.3125039	21	4 16.3	20.9
393449 2001 UD_{124}	16.4	X	117.47862	197.24760	150.12248	14.40594	0.2548587	0.21285784	2.7780685	21	—	—
393450 2001 UE_{135}	17.8	X	186.17155	294.24427	94.47969	2.32623	0.1919920	0.27530300	2.3402491	21	4 6.8	21.4
393451 2001 UZ_{174}	16.4	X	112.09981	174.82333	168.58288	9.94935	0.2609088	0.21137955	2.7910058	21	—	—
393452 2001 UX_{192}	16.9	X	123.69754	209.78146	240.53217	9.86155	0.1317148	0.27480032	2.3431022	21	4 13.8	20.1
393453 2001 UR_{206}	16.9	X	101.99012	283.91537	62.28282	9.26346	0.3170435	0.21182908	2.7870558	21	—	—
393454 2001 UL_{231}	18.0	X	80.30135	314.60494	140.92557	4.17157	0.2534654	0.26829364	2.3808341	21	3 13.8	20.2
393455 2001 VB_{18}	17.9	X	270.79188	314.41489	34.45042	5.98610	0.2548223	0.28364676	2.2941272	21	4 25.7	21.5
393456 2001 VC_{68}	17.1	X	56.18716	74.29252	15.29467	23.21821	0.2909995	0.26241972	2.4162307	21	1 18.2	19.3
393457 2001 VJ_{126}	17.3	X	159.81722	338.31500	65.82340	7.82578	0.0975967	0.27208331	2.3586750	21	3 28.7	20.6
393458 2001 WE_{1}	17.1	X	295.56337	262.71250	69.02034	10.77167	0.3133928	0.28518502	2.2858702	21	4 25.4	20.4
393459 2001 WM_{50}	17.3	X	243.20631	124.79181	231.49288	11.20719	0.1159877	0.27950064	2.3167589	21	4 18.9	20.6
393460 2001 XB_{56}	17.1	X	100.11391	4.35350	88.23453	9.37059	0.1811581	0.26752276	2.3854055	21	4 2.4	20.1
393461 2001 XL_{171}	16.7	X	127.44740	352.75260	90.43128	7.79770	0.0770277	0.26957750	2.3732689	21	4 8.6	19.9
393462 2001 XN_{231}	17.6	X	159.24366	54.01340	2.26391	2.89788	0.1694595	0.27237130	2.3570122	21	4 14.2	21.2
393463 2001 YN_{10}	16.6	X	170.75417	36.43673	88.16799	10.18174	0.2176756	0.17620786	3.1510300	21	7 24.6	22.1
393464 2001 YQ_{20}	15.5	X	206.70154	169.91926	250.31214	18.21956	0.1406616	0.17992149	3.1075207	21	6 7.6	20.4
393465 2001 YE_{40}	18.2	X	103.21603	352.38145	76.36549	4.12042	0.1588119	0.26529509	2.3987404	21	2 25.9	21.0
393466 2002 AQ_{39}	16.0	X	158.18664	4.84591	137.47086	9.73389	0.2410721	0.17420121	3.1751819	21	8 4.1	21.4
393467 2002 AX_{144}	17.2	X	99.37579	337.70423	129.62911	6.71009	0.0858570	0.26601991	2.3943811	21	4 4.2	20.1
393468 2002 AB_{209}	18.6	X	350.77389	114.27376	40.48519	3.52668	0.2773030	0.25419620	2.4680655	21	—	—
393469 2002 AY_{209}	16.5	X	219.14971	168.82921	127.69251	7.02952	0.1217292	0.25544879	2.4599908	21	1 12.5	20.3
393470 2002 CR_{85}	16.5	X	145.28730	17.40513	116.82820	7.27689	0.2217699	0.17192475	3.2031488	21	7 14.9	22.0
393471 2002 CF_{198}	15.9	X	279.76041	25.63112	328.11491	13.02939	0.0308167	0.17111243	3.2132784	21	6 19.0	20.6
393472 2002 CM_{245}	15.9	X	20.03460	192.51211	139.18222	10.67979	0.0458868	0.18166198	3.0876402	21	10 9.0	20.1
393473 2002 CF_{265}	16.3	X	309.33998	57.61263	343.32475	1.23898	0.0139251	0.18234014	3.0799797	21	9 27.8	20.5
393474 2002 EQ_{161}	13.3	X	213.36321	356.19728	165.04003	32.46919	0.0390707	0.08283150	5.2120153	21	10 16.8	20.6
393475 2002 GP_{130}	17.4	X	312.19500	276.51917	242.41735	2.79842	0.1569859	0.24493729	2.5298772	21	—	—
393476 2002 GT_{189}	16.0	X	125.35831	148.80053	26.87514	14.93887	0.0328101	0.16861826	3.2448875	21	8 6.8	20.9
393477 2002 JB_{16}	17.0	X	263.59701	199.50415	30.72661	16.13365	0.2182051	0.24392596	2.5368651	21	—	—
393478 2002 JN_{67}	16.5	X	239.43247	24.61812	251.68592	14.83119	0.1813642	0.24475784	2.5311136	21	1 5.6	20.9
393479 2002 MO_{5}	17.1	X	154.74020	140.05062	198.00255	18.52183	0.3336246	0.23427887	2.6060374	21	1 18.7	21.9
393480 2002 ML_{6}	17.4	X	228.22188	130.45051	131.42955	12.36007	0.2458100	0.23738178	2.5832779	21	—	—
393481 2002 NR_{36}	16.8	X	198.73695	171.27395	140.13552	15.32338	0.1918440	0.23739682	2.5831688	21	1 16.2	21.1
393482 2002 PQ_{1}	16.5	X	171.33102	186.59243	138.92248	10.53133	0.2417781	0.23367006	2.6105620	21	1 13.6	20.9
393483 2002 PW_{42}	17.0	X	169.16540	179.37744	152.47189	8.95516	0.4086503	0.23273962	2.6175149	21	1 28.5	22.0
393484 2002 PZ_{71}	17.1	X	184.41298	160.14577	170.34982	13.65710	0.2656445	0.23658195	2.5890969	21	1 28.9	21.8
393485 2002 PB_{80}	16.9	X	178.82532	107.22720	204.45520	15.48860	0.1846414	0.23252680	2.6191118	21	—	—
393486 2002 PQ_{80}	17.2	X	183.94985	214.73280	94.29661	5.86951	0.2808293	0.23468538	2.6030271	21	1 6.8	21.6
393487 2002 PC_{83}	16.9	X	157.85784	13.09146	327.62832	6.17418	0.3177634	0.23228714	2.6209130	21	1 27.5	21.3
393488 2002 PN_{133}	17.0	X	178.20832	115.98559	222.54853	2.02204	0.2543205	0.23553469	2.5967659	21	2 3.3	21.5
393489 2002 PD_{176}	16.8	X	126.02882	25.75970	288.27890	6.95236	0.1162201	0.22672785	2.6635824	21	—	—
393490 2002 PC_{188}	17.5	X	103.08467	267.86975	94.27152	3.06877	0.1659392	0.22865508	2.6485945	21	—	—
393491 2002 PA_{192}	17.3	X	170.62186	138.29872	171.95587	12.80802	0.1485757	0.23237977	2.6202165	21	—	—
393492 2002 QN_{10}	17.6	X	213.33766	135.07173	167.84797	13.53738	0.2765601	0.23811388	2.5779802	21	1 17.9	22.4
393493 2002 QX_{26}	16.4	X	159.74969	141.13260	217.49934	26.67500	0.2454048	0.23364019	2.6107845	21	2 4.6	21.3
393494 2002 QU_{58}	17.0	X	194.76300	195.86911	136.29183	10.82748	0.2091561	0.23664066	2.5886687	21	2 7.6	21.2
393495 2002 QP_{67}	16.6	X	10.20607	354.80780	51.28576	3.61537	0.0960801	0.22008740	2.7168934	21	—	—
393496 2002 QU_{81}	17.3	X	205.31645	172.83789	122.69070	7.04274	0.1751763	0.23434609	2.6055390	21	1 3.4	21.6
393497 2002 QS_{92}	17.1	X	59.02808	235.14716	125.05053	7.36361	0.0537127	0.22076784	2.7113080	21	—	—
393498 2002 QQ_{125}	17.2	X	153.69735	204.93074	144.58580	12.05334	0.1521546	0.23223844	2.6212794	21	1 18.4	21.1
393499 2002 QD_{153}	17.3	X	155.80942	269.67166	73.21512	4.97105	0.2454388	0.23202430	2.6228919	21	1 22.9	21.5
393500 2002 RQ_{22}	16.7	X	111.24969	1.13126	351.84132	4.89885	0.2187260	0.22609670	2.6685370	21	—	—
393501 2002 RF_{23}	17.0	X	175.04493	169.26979	161.32233	4.97572	0.1511053	0.23332894	2.6131057	21	1 16.3	21.0
393502 2002 RX_{85}	16.6	X	176.59541	175.94510	171.30771	13.67840	0.2863494	0.23420863	2.6065584	21	2 12.9	21.4
393503 2002 RE_{103}	17.0	X	119.38214	176.72781	185.09790	13.87619	0.2924792	0.22662171	2.6644140	21	1 13.9	21.1
393504 2002 RC_{139}	18.0	X	341.41637	293.97218	62.88681	7.35308	0.2319312	0.31189868	2.1534115	21	10 13.5	18.9
393505 2002 RW_{141}	16.5	X	169.05139	140.58849	194.90228	14.41752	0.1324501	0.23213157	2.6220839	21	1 13.2	20.8
393506 2002 RZ_{193}	16.9	X	146.28375	337.21552	2.07481	6.71135	0.2189918	0.22984626	2.6394357	21	1 7.9	21.0
393507 2002 RL_{225}	17.9	X	78.43617	59.69105	223.09747	4.08197	0.1988280	0.31880526	2.1221972	21	11 25.9	20.8
393508 2002 RT_{261}	17.2	X	195.18381	284.44389	33.24403	3.60511	0.2277088	0.23535923	2.5980563	21	1 23.7	21.7
393509 2002 SA	16.8	X	138.83147	226.80522	140.29378	13.04054	0.2594201	0.23153637	2.6265756	21	2 5.9	20.7
393510 2002 SK_{4}	16.7	X	199.12261	59.11269	231.09261	23.79996	0.2767670	0.23301966	2.6154174	21	—	—
393511 2002 SR_{16}	17.3	X	156.51930	56.90851	286.26138	1.66340	0.2227150	0.23125154	2.6287319	21	1 21.0	21.4
393512 2002 SW_{20}	16.8	X	195.68209	135.83738	181.45238	13.21798	0.2184327	0.23381541	2.6094799	21	1 20.3	21.5
393513 2002 SH_{48}	16.8	X	182.34560	291.62276	21.47852	13.14441	0.2946861	0.23214210	2.6220046	21	1 13.8	21.7
393514 2002 SK_{56}	16.2	X	186.56076	282.45198	35.34412	13.66948	0.1920425	0.23156575	2.6263534	21	1 17.8	20.8
393515 2002 SG_{61}	17.1	X	161.86169	189.37026	125.74152	4.38173	0.2790470	0.22953656	2.6418094	21	—	—
393516 2002 TJ_{31}	16.5	X	11.77399	4.70867	32.32647	8.71224	0.2252834	0.21313666	2.7756452	21	—	—
393517 2002 TK_{32}	16.6	X	166.16504	135.77941	209.40673	14.06299	0.2622283	0.23101681	2.6305123	21	1 30.5	21.3
393518 2002 TC_{37}	17.1	X	344.55547	318.48151	18.14511	6.45123	0.1098989	0.30735977	2.1745599	21	9 5.9	18.8
393519 2002 TC_{84}	16.9	X	172.85522	148.01485	170.34204	13.36199	0.2704075	0.23050684	2.6343906	21	1 8.2	21.6
393520 2002 TD_{87}	17.1	X	149.74405	120.40952	196.23417	12.50892	0.2781969	0.22741255	2.6582333	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
393521 2002 TN_{94}	18.3	X	328.74280	179.27124	171.63763	3.49401	0.1567970	0.30905984	2.1665780	21	8 20.0	19.7
393522 2002 TJ_{111}	16.4	X	160.71039	111.43013	224.14108	11.72177	0.1686712	0.22926448	2.6438991	21	1 9.0	20.6
393523 2002 TO_{148}	16.6	X	154.41916	120.30489	229.59756	10.98067	0.1856139	0.23253807	2.6190272	21	1 20.4	20.8
393524 2002 TR_{158}	16.8	X	176.43201	211.46746	116.73468	11.34264	0.2361291	0.23116008	2.6294252	21	1 21.4	21.2
393525 2002 TN_{176}	16.6	X	150.00941	300.47813	55.30182	13.71322	0.2813745	0.23031096	2.6358841	21	2 9.8	21.2
393526 2002 TW_{176}	17.0	X	293.40674	333.47731	14.85897	25.31349	0.2488777	0.30193267	2.2005402	21	5 9.5	20.2
393527 2002 TY_{186}	16.1	X	193.46171	115.12332	199.22386	29.60507	0.2366234	0.23316420	2.6143364	21	1 13.2	21.3
393528 2002 TE_{193}	16.8	X	173.67614	77.81768	242.26464	12.59298	0.1942337	0.23082663	2.6319569	21	1 4.9	21.2
393529 2002 TK_{218}	15.9	X	135.38840	99.18359	220.06860	14.49981	0.1640460	0.22527266	2.6750407	21	—	—
393530 2002 TP_{224}	16.6	X	14.49111	6.91565	30.45580	9.26446	0.2044307	0.21310968	2.7758794	21	—	—
393531 2002 TE_{267}	17.3	X	317.74286	242.87197	224.00670	19.59011	0.0994165	0.37237080	1.9134582	21	—	—
393532 2002 TH_{306}	16.6	X	228.93578	126.17977	57.85935	10.26330	0.0961356	0.21516821	2.7581464	21	12 7.3	20.5
393533 2002 TJ_{309}	17.1	X	95.56754	196.38806	133.13872	7.13649	0.0020420	0.21691417	2.7433261	21	—	—
393534 2002 TA_{342}	16.9	X	203.27691	223.04813	39.35628	13.14027	0.1273903	0.22524003	2.6752990	21	—	—
393535 2002 TE_{371}	16.6	X	190.79199	230.39050	101.57380	10.15903	0.2710303	0.23293384	2.6160598	21	2 8.3	21.3
393536 2002 UW_{6}	16.6	X	128.29017	273.68031	60.46170	14.79902	0.2028141	0.22409623	2.6843945	21	—	—
393537 2002 UL_{8}	16.1	X	142.95485	198.49049	169.65264	13.63918	0.2041372	0.22878618	2.6475826	21	2 4.1	20.3
393538 2002 UE_{13}	17.3	X	126.07143	286.07108	100.27670	7.68036	0.2313832	0.28122538	2.3072768	21	2 7.1	20.2
393539 2002 UW_{38}	16.7	X	125.11740	272.05273	56.74674	14.92885	0.2248093	0.22183376	2.7026157	21	—	—
393540 2002 UQ_{74}	17.8	X	145.13574	44.06834	61.59118	7.97851	0.1683635	0.29237675	2.2482304	21	6 3.5	21.1
393541 2002 VL_{13}	16.4	X	16.86123	353.89687	49.17439	14.74463	0.1858329	0.21286816	2.7779787	21	—	—
393542 2002 VF_{28}	16.6	X	147.80978	131.00433	213.52578	7.09366	0.2951242	0.22708525	2.6607869	21	1 20.4	21.1
393543 2002 VV_{96}	18.0	X	264.56743	316.40106	69.66751	7.12956	0.1873693	0.30013969	2.2092953	21	6 16.3	20.7
393544 2002 VF_{103}	17.0	X	173.33751	313.85063	29.53606	5.32955	0.3225740	0.23141272	2.6275111	21	2 11.9	21.8
393545 2002 VG_{115}	18.1	X	298.26143	264.75842	94.75934	4.44035	0.2080510	0.30318599	2.1944716	21	6 21.5	20.3
393546 2002 VW_{126}	15.9	X	114.63163	103.75980	242.79154	11.55510	0.1948873	0.22056769	2.7129479	21	—	—
393547 2002 WA_{5}	16.0	X	167.44007	97.80871	237.41297	11.97719	0.2258962	0.22675905	2.6633381	21	1 18.8	20.6
393548 2002 XF_{63}	16.1	X	6.66394	339.20630	66.06798	10.38049	0.1556154	0.20952295	2.8074690	21	—	—
393549 2002 XH_{120}	16.8	X	130.64304	102.47234	227.65377	8.22216	0.1787572	0.21949646	2.7217676	21	—	—
393550 2003 AF_{72}	17.3	X	101.46472	32.44312	85.68444	26.07855	0.2512827	0.28252871	2.3001756	21	5 21.5	20.6
393551 2003 BG_{23}	15.9	X	179.54752	231.67973	260.65533	12.86209	0.2104404	0.18626772	3.0365306	21	8 4.5	21.2
393552 2003 BP_{56}	16.5	X	83.41046	191.69688	320.49207	14.19103	0.1457882	0.22890659	2.6466541	21	5 19.9	20.2
393553 2003 CA_{16}	16.6	X	220.75754	171.25073	301.59692	4.60054	0.2224480	0.18918754	3.0052068	21	8 18.1	21.6
393554 2003 DJ_{20}	15.8	X	82.72168	35.96764	157.10705	22.58785	0.1313947	0.17731624	3.1378852	21	7 14.8	20.6
393555 2003 FA_{28}	16.7	X	142.65030	187.33755	348.40016	7.78368	0.1768564	0.18151768	3.0892763	21	8 30.5	21.8
393556 2003 FK_{34}	18.1	X	34.34782	152.75475	23.57556	2.55186	0.1256031	0.27369805	2.3493889	21	3 26.2	20.2
393557 2003 FK_{35}	17.6	X	359.73468	127.87485	4.34955	5.99482	0.1394601	0.26338652	2.4103143	21	—	—
393558 2003 GP_{31}	16.3	X	81.79626	253.86371	33.16539	12.12137	0.0556193	0.18695440	3.0290905	21	10 29.9	20.6
393559 2003 GO_{33}	16.2	X	343.71577	135.28193	199.99714	8.50533	0.1124320	0.17716220	3.1397038	21	8 14.6	20.1
393560 2003 GK_{46}	16.1	X	184.88877	332.26815	153.43947	9.09091	0.1200614	0.18044117	3.1015512	21	8 6.0	21.0
393561 2003 HZ_{6}	16.2	X	103.58316	219.81444	26.97165	16.32770	0.0597496	0.18460612	3.0547240	21	10 9.2	20.6
393562 2003 HT_{17}	16.1	X	118.17814	32.49785	200.63881	13.03332	0.0458350	0.18349066	3.0670916	21	10 4.3	20.5
393563 2003 HR_{19}	15.9	X	336.87694	343.10587	41.66534	10.26600	0.0110882	0.18472652	3.0533966	21	10 15.8	20.1
393564 2003 HP_{43}	16.3	X	82.03561	256.17953	25.40165	9.34249	0.0943339	0.18646659	3.0343711	21	10 28.1	20.7
393565 2003 JK	16.5	X	177.60203	94.33865	40.40761	16.21165	0.2450842	0.17962539	3.1109347	21	8 17.2	22.2
393566 2003 JR_{3}	16.1	X	59.46797	247.99564	40.56145	13.32992	0.0963025	0.18081313	3.0972963	21	10 13.3	20.4
393567 2003 JL_{8}	17.1	X	281.48800	146.22592	142.15821	5.96530	0.2247624	0.26640563	2.3920695	21	2 23.1	20.8
393568 2003 JY_{10}	17.7	X	36.11313	202.64070	220.41989	20.56387	0.1107062	0.36169488	1.9509275	21	—	—
393569 2003 JC_{13}	20.3	X	56.65147	172.00789	205.81562	8.50700	0.3152529	0.89505480	1.0663578	21	—	—
393570 2003 JS_{15}	16.5	X	136.33459	329.81844	223.76303	4.64804	0.0827002	0.17989204	3.1078598	21	9 7.2	21.2
393571 2003 KA_{2}	16.0	X	107.08666	67.72256	167.91809	10.33361	0.0353531	0.17868249	3.1218693	21	9 24.6	20.4
393572 2003 KF_{8}	16.2	X	59.91860	126.87785	201.34585	16.54519	0.2796850	0.18007602	3.1057426	21	12 20.3	21.2
393573 2003 KT_{10}	16.2	X	58.40902	126.78121	190.41745	16.39678	0.1604950	0.18093865	3.0958636	21	11 23.4	20.8
393574 2003 KJ_{31}	15.9	X	38.23155	180.54146	126.60843	11.22529	0.0867301	0.17792501	3.1307235	21	10 8.2	20.2
393575 2003 QE_{12}	17.2	X	230.32453	185.42904	159.05380	8.14444	0.2321221	0.25705648	2.4497232	21	3 21.1	21.3
393576 2003 RC_{18}	16.6	X	312.82454	38.48845	269.58441	12.32674	0.2635780	0.26513817	2.3996867	21	4 15.5	19.9
393577 2003 RR_{19}	17.7	X	215.47037	349.45603	342.68663	4.65944	0.2619806	0.25287737	2.4766392	21	2 22.3	22.1
393578 2003 SQ_{30}	17.0	X	103.62065	4.12917	13.71213	7.99919	0.2022876	0.23822262	2.5771956	21	—	—
393579 2003 SQ_{120}	17.0	X	143.23870	313.00297	63.49126	6.09704	0.2523407	0.24555733	2.5256167	21	2 21.8	21.0
393580 2003 SO_{188}	17.8	X	136.17341	308.09476	61.41839	1.06533	0.2691583	0.24287063	2.5442086	21	2 6.4	21.5
393581 2003 SU_{192}	16.9	X	141.51224	126.63849	237.25220	12.68313	0.1673020	0.24400702	2.5363032	21	1 19.8	20.8
393582 2003 SH_{205}	17.5	X	136.60999	178.77418	187.69378	8.40709	0.2245184	0.24292107	2.5438564	21	1 26.6	21.3
393583 2003 SM_{218}	17.2	X	111.53162	182.97157	197.03571	13.79213	0.1753299	0.23891680	2.5722011	21	1 7.5	20.7
393584 2003 SF_{251}	16.4	X	12.27797	30.05179	33.23850	7.29672	0.1858227	0.22827373	2.6515435	21	—	—
393585 2003 SF_{253}	17.0	X	345.50209	258.52885	207.60659	4.93848	0.1941964	0.23305470	2.6151552	21	—	—
393586 2003 SZ_{276}	16.7	X	20.61052	218.51984	223.20923	14.40968	0.1903093	0.23322001	2.6139193	21	—	—
393587 2003 SB_{338}	16.9	X	41.78613	202.30938	220.23795	9.20966	0.1874533	0.23661611	2.5888478	21	—	—
393588 2003 SS_{355}	17.0	X	350.04571	47.78052	27.86179	5.21956	0.2043677	0.22809268	2.6529465	21	—	—
393589 2003 SC_{395}	17.5	X	310.47251	17.95094	131.48633	7.86319	0.0336459	0.23401414	2.6080024	21	—	—
393590 2003 SJ_{401}	16.9	X	190.19801	142.53941	155.75430	13.65423	0.0577309	0.23792353	2.5793550	21	—	—
393591 2003 SK_{407}	17.4	X	347.90622	36.86225	72.44812	15.40171	0.1687444	0.22988123	2.6391681	21	—	—
393592 2003 TG_{49}	16.5	X	340.11377	225.31526	236.16355	11.85244	0.1654044	0.22743823	2.6580332	21	—	—
393593 2003 UJ_{22}	16.7	X	60.47772	353.21223	51.44168	19.80772	0.2772574	0.23215242	2.6219269	21	—	—
393594 2003 UV_{64}	16.6	X	20.25130	351.52726	75.13515	14.18605	0.2660051	0.22940499	2.6428193	21	—	—
393595 2003 UW_{94}	17.1	X	148.69271	331.98478	25.54697	8.77497	0.1819501	0.24256095	2.5463736	21	1 28.2	21.0
393596 2003 US_{96}	17.8	X	224.89736	104.75159	226.16308	2.37898	0.2699668	0.25277634	2.4772990	21	2 26.1	22.1
393597 2003 UD_{127}	16.8	X	11.44516	217.85699	209.82084	11.36595	0.2031865	0.22804770	2.6532953	21	—	—
393598 2003 UF_{154}	17.1	X	48.84548	188.26154	232.10915	10.64866	0.1218571	0.23702479	2.5858711	21	—	—
393599 2003 UL_{168}	18.0	X	240.74622	54.08528	3.07392	3.39574	0.2136183	0.31779439	2.1266951	21	6 30.3	21.0
393600 2003 UM_{194}	16.1	X	12.08405	28.46915	35.35009	15.12481	0.0826305	0.22987770	2.6391951	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
393601 2003 UD_{204}	17.0	X	11.80567	12.18895	65.65857	3.50377	0.1498478	0.22948588	2.6421982	21	—	—
393602 2003 UV_{229}	16.7	X	74.40949	10.18754	30.25423	9.81950	0.1720527	0.23427655	2.6060545	21	—	—
393603 2003 UQ_{279}	16.7	X	22.44741	18.97469	47.40084	19.60579	0.2439099	0.23039133	2.6352711	21	—	—
393604 2003 UP_{298}	17.2	X	34.84167	31.51910	11.77234	4.74743	0.0923197	0.23001195	2.6381680	21	—	—
393605 2003 UH_{322}	17.4	X	98.43467	7.19492	25.19490	3.44881	0.1490360	0.23888061	2.5724609	21	1 3.4	20.4
393606 2003 UA_{357}	17.7	X	176.34630	99.70857	218.07416	5.39239	0.0427148	0.23926847	2.5696802	21	—	—
393607 2003 WX_{60}	17.4	X	93.28696	322.68506	57.39899	5.28687	0.1483039	0.23370259	2.6103197	21	—	—
393608 2003 WN_{85}	16.4	X	334.34240	355.20038	49.97359	17.43570	0.1846851	0.21816326	2.7328448	21	11 11.7	19.1
393609 2003 WS_{160}	17.3	X	227.31842	182.11971	78.47862	3.13969	0.0360863	0.23376211	2.6098765	21	—	—
393610 2003 WD_{172}	16.8	X	348.47511	314.28015	105.50005	10.37916	0.2358390	0.22155191	2.7049073	21	—	—
393611 2003 XN_{28}	16.7	X	313.67187	214.63525	256.04559	12.34633	0.0471414	0.22315985	2.6918985	21	—	—
393612 2003 YU_{40}	16.5	X	124.50917	241.85765	108.07144	14.60939	0.1940533	0.22879949	2.6474800	21	—	—
393613 2003 YN_{60}	16.5	X	24.79792	331.42502	88.11626	9.10351	0.1347662	0.22675481	2.6633713	21	—	—
393614 2003 YW_{77}	16.5	X	276.02476	29.75149	85.11293	10.39606	0.1132568	0.21393000	2.7687788	21	11 11.8	20.1
393615 2004 BZ_{31}	17.2	X	262.78580	60.96102	94.58066	4.82819	0.1466562	0.21457552	2.7632230	21	12 8.1	20.7
393616 2004 BH_{127}	16.7	X	184.81524	275.24062	314.85657	3.86761	0.1054478	0.21363096	2.7713620	21	12 14.7	20.9
393617 2004 BP_{142}	18.5	X	169.26958	21.79847	110.01753	5.13391	0.0634271	0.30973524	2.1634273	21	8 3.2	21.3
393618 2004 BC_{156}	16.9	X	141.33146	170.89740	104.81941	6.49165	0.0898707	0.21382816	2.7696579	21	12 26.5	21.1
393619 2004 DU_{47}	17.1	X	4.00431	266.76223	346.42683	6.82932	0.1430059	0.29480410	2.2358725	21	5 19.7	18.9
393620 2004 DZ_{56}	16.8	X	342.91505	300.94494	157.83999	11.94646	0.0363458	0.21660578	2.7459293	21	—	—
393621 2004 EM_{26}	16.8	X	224.32553	331.59047	177.61629	6.12564	0.0132097	0.20320388	2.8653745	21	10 30.7	20.8
393622 2004 ES_{26}	18.1	X	299.60360	201.42948	175.69589	5.87493	0.1589991	0.30907972	2.1664851	21	7 30.8	20.1
393623 2004 FQ_{1}	17.2	X	33.67905	308.20481	335.62995	6.88281	0.1562135	0.30403163	2.1904005	21	9 18.9	19.2
393624 2004 FV_{3}	18.6	X	33.97354	304.31197	188.03827	21.63295	0.1035062	0.39781108	1.8309851	21	—	—
393625 2004 FV_{28}	18.1	X	185.40222	141.13016	194.34472	21.32589	0.0323828	0.39362154	1.8439543	21	—	—
393626 2004 FM_{75}	16.7	X	55.85769	134.23523	197.48435	5.42849	0.0643949	0.20326105	2.8648371	21	11 27.5	20.6
393627 2004 GZ_{16}	16.1	X	176.38470	73.46792	165.89309	15.73558	0.2155312	0.20265448	2.8705509	21	12 12.1	21.3
393628 2004 GN_{49}	16.8	X	265.72007	106.11352	13.88297	10.64209	0.0224087	0.20101863	2.8861031	21	11 9.1	20.9
393629 2004 GE_{63}	18.0	X	355.47142	242.71085	20.98496	7.42620	0.1788618	0.29262755	2.2469457	21	5 15.5	19.7
393630 2004 GZ_{76}	17.3	X	26.89812	255.66803	172.58454	25.76622	0.0612760	0.38397299	1.8747165	21	—	—
393631 2004 HQ_{57}	16.5	X	87.83740	248.31129	53.67981	12.68660	0.1478898	0.19559668	2.9391950	21	12 4.6	21.0
393632 2004 JS_{42}	17.7	X	352.46001	166.35577	97.23603	3.25403	0.1593242	0.28979730	2.2615516	21	5 13.9	19.4
393633 2004 KM_{7}	18.9	X	341.49333	211.13646	87.19392	1.35555	0.1992306	0.29198262	2.2502532	21	6 11.5	20.3
393634 2004 LA_{20}	17.5	X	355.46967	330.86869	282.78662	2.58568	0.1333069	0.28904692	2.2654639	21	5 4.3	19.5
393635 2004 LP_{28}	16.1	X	336.38933	117.78671	253.45844	9.30564	0.1333696	0.17880905	3.1203961	21	9 16.7	20.0
393636 2004 NQ_{1}	17.1	X	278.37062	16.31106	285.02168	7.27212	0.2226620	0.27776169	2.3264184	21	3 3.1	20.8
393637 2004 NL_{12}	16.9	X	42.60511	212.60335	113.48501	12.73058	0.3677408	0.18248447	3.0783555	21	12 13.8	21.4
393638 2004 NJ_{27}	17.9	X	251.40719	198.22536	151.37803	4.90910	0.2588374	0.27781940	2.3260962	21	4 10.9	21.7
393639 2004 NG_{29}	15.8	X	358.09706	220.63917	146.12851	17.86607	0.2267129	0.17948608	3.1125443	21	11 6.6	19.4
393640 2004 PY_{14}	17.0	X	261.28306	353.21761	344.26225	10.76904	0.2582615	0.27649867	2.3334976	21	3 30.4	20.8
393641 2004 PG_{18}	18.1	X	296.57048	87.15667	220.70861	2.27180	0.2833955	0.27998627	2.3140792	21	3 25.7	21.5
393642 2004 PJ_{23}	15.8	X	22.53173	23.17209	301.65404	7.02684	0.2267773	0.17917001	3.1162037	21	10 18.1	19.5
393643 2004 PB_{24}	17.8	X	49.39141	272.23996	141.02163	24.16969	0.0506141	0.37229086	1.9137321	21	—	—
393644 2004 PH_{26}	17.8	X	249.23331	261.40878	87.76228	3.18477	0.2232272	0.27659670	2.3329462	21	4 10.9	21.5
393645 2004 PM_{32}	17.9	X	298.71287	202.09168	120.64290	3.31423	0.2533254	0.28149466	2.3058052	21	4 23.7	20.9
393646 2004 PW_{33}	17.5	X	244.37509	21.34937	309.03321	1.69676	0.2232820	0.27352087	2.3504034	21	3 12.3	21.4
393647 2004 PC_{39}	16.4	X	13.82952	162.59858	173.97917	5.66538	0.3160425	0.17736280	3.1373359	21	11 5.5	19.5
393648 2004 PP_{81}	17.7	X	250.31793	331.19822	350.52049	4.59263	0.2158198	0.27331862	2.3515628	21	3 7.9	21.3
393649 2004 PU_{91}	17.7	X	262.48481	48.20940	258.57758	4.23584	0.2061593	0.27359324	2.3499889	21	2 26.5	21.4
393650 2004 PC_{107}	14.9	X	342.68793	220.18796	141.08618	28.21497	0.1740445	0.17427561	3.1742781	21	9 23.4	18.8
393651 2004 PS_{111}	17.6	X	250.67242	102.24934	153.45233	24.45466	0.0281880	0.37855867	1.8925495	21	—	—
393652 2004 PN_{116}	15.7	X	328.47172	222.39287	143.36549	17.17223	0.1202984	0.17438046	3.1730056	21	9 2.6	19.6
393653 2004 QJ_{5}	17.0	X	192.07677	317.75448	57.00195	7.07323	0.1910997	0.26962644	2.3729818	21	3 27.9	20.9
393654 2004 QH_{14}	15.9	X	21.70194	116.23212	221.91195	15.38710	0.2360607	0.17854708	3.1234476	21	11 8.2	19.5
393655 2004 RP	15.3	X	34.20220	37.82773	257.01802	15.16019	0.2144840	0.17593003	3.1543465	21	9 21.9	19.5
393656 2004 RJ_{6}	15.3	X	352.22987	290.74324	69.15237	14.39480	0.3091507	0.17461777	3.1701301	21	10 19.9	18.1
393657 2004 RS_{9}	18.0	X	306.81646	102.21077	220.13928	20.24707	0.2815221	0.28214834	2.3022424	21	4 27.5	20.5
393658 2004 RJ_{12}	17.4	X	113.02161	241.04200	170.63444	22.67775	0.0959125	0.37999442	1.8877794	21	1 3.7	19.6
393659 2004 RR_{16}	17.8	X	322.75112	210.86871	99.34302	3.20554	0.1947354	0.28360977	2.2943267	21	5 22.5	19.9
393660 2004 RM_{17}	16.6	X	152.54101	348.82678	17.25317	9.18531	0.0796902	0.26170801	2.4206093	21	1 28.1	20.0
393661 2004 RP_{21}	17.9	X	344.98643	324.50162	331.81067	1.85469	0.2497097	0.28557931	2.2837658	21	6 10.1	19.0
393662 2004 RH_{32}	15.9	X	24.70942	315.68836	6.42102	7.29947	0.1829897	0.17825307	3.1268811	21	10 14.2	19.5
393663 2004 RT_{41}	17.8	X	132.98466	296.32276	105.93336	2.19155	0.1794080	0.26263947	2.4148828	21	3 3.2	21.1
393664 2004 RK_{45}	16.1	X	342.31903	12.38263	330.75536	4.46424	0.1771152	0.17206148	3.2014516	21	8 22.9	19.7
393665 2004 RF_{55}	17.4	X	326.00753	40.28047	230.30695	4.96955	0.0969774	0.27690391	2.3312204	21	4 12.8	20.0
393666 2004 RU_{60}	17.5	X	283.88786	262.63026	67.13979	3.88120	0.2570886	0.27825247	2.3236820	21	4 15.6	20.9
393667 2004 RZ_{66}	15.8	X	11.65675	183.40565	170.07720	14.36595	0.2097999	0.17694165	3.1423123	21	11 9.8	19.6
393668 2004 RT_{69}	16.6	X	71.73564	163.50736	137.29977	1.90475	0.2440832	0.18268836	3.0760647	21	11 27.4	21.3
393669 2004 RQ_{93}	15.9	X	30.43317	147.73164	199.65628	11.08178	0.1636334	0.18121318	3.0927361	21	11 24.2	19.9
393670 2004 RM_{105}	15.5	X	55.87725	131.38523	191.47910	27.03032	0.1444393	0.18017846	3.1045653	21	11 24.4	20.3
393671 2004 RP_{109}	18.0	X	126.14540	203.93962	178.28477	21.77840	0.1313957	0.37643206	1.8996707	21	—	—
393672 2004 RV_{114}	17.5	X	225.35391	320.12452	46.90815	4.39147	0.2538265	0.27319430	2.3522761	21	4 11.7	21.5
393673 2004 RP_{158}	17.7	X	238.53894	148.75604	205.07087	6.53339	0.1298559	0.27363986	2.3497220	21	4 11.5	21.1
393674 2004 RX_{171}	15.9	X	31.50077	291.06684	357.11547	24.61263	0.3565069	0.17517876	3.1633585	21	10 3.5	19.6
393675 2004 RS_{187}	16.0	X	30.39110	126.05768	198.62221	15.58578	0.2428081	0.17729601	3.1381238	21	11 7.0	19.9
393676 2004 RB_{198}	17.7	X	89.54862	177.25524	203.81081	21.21010	0.0812991	0.36810260	1.9282209	21	—	—
393677 2004 RO_{218}	15.2	X	33.71124	101.51319	233.49358	13.63268	0.2780160	0.17777088	3.1325329	21	11 28.9	19.2
393678 2004 RF_{230}	18.1	X	279.79618	20.83860	284.26913	0.89445	0.1926452	0.27251464	2.3561856	21	3 16.3	21.6
393679 2004 RS_{247}	15.6	X	21.58701	115.76202	233.97521	15.32785	0.3744809	0.17921134	3.1157245	21	12 14.6	19.4
393680 2004 RA_{248}	15.7	X	15.26926	126.63262	223.09167	21.06353	0.2830982	0.17780967	3.1320772	21	11 19.3	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
393681 2004 RV_{251}	17.7	X	239.81309	297.89802	51.56146	2.16312	0.2062141	0.27245917	2.3565053	21	4 3.5	21.5
393682 2004 RO_{275}	17.6	X	165.49760	210.82317	180.59708	6.31791	0.1160420	0.26827161	2.3809644	21	3 15.9	21.1
393683 2004 RX_{302}	17.9	X	155.94097	20.38606	14.25425	6.55060	0.1149268	0.26512242	2.3997817	21	3 11.9	21.2
393684 2004 RZ_{327}	16.3	X	44.90726	84.75687	217.91498	13.23607	0.2972946	0.17784233	3.1316938	21	11 7.0	20.5
393685 2004 RC_{357}	16.2	X	357.20861	298.03431	44.48481	14.46241	0.3044399	0.17491835	3.1664974	21	10 6.6	19.0
393686 2004 SR_{2}	17.5	X	256.24991	314.17618	27.56719	13.03380	0.2493767	0.27402531	2.3475180	21	4 6.3	21.2
393687 2004 SW_{20}	18.4	X	138.26062	161.79765	194.95229	21.74399	0.0803745	0.37410414	1.9075432	21	—	—
393688 2004 SZ_{22}	17.0	X	170.64442	159.02338	203.25333	5.80309	0.1388560	0.26101137	2.4249145	21	2 13.4	20.7
393689 2004 ST_{28}	18.1	X	295.75036	210.57947	118.41722	3.36932	0.2152393	0.28024907	2.3126324	21	5 4.5	21.0
393690 2004 SM_{29}	16.0	X	348.71846	170.46419	191.18205	11.09362	0.2157543	0.17341654	3.1847526	21	10 1.0	19.2
393691 2004 TU_{2}	17.8	X	284.69307	31.88599	254.87926	1.72383	0.1962650	0.27041006	2.3683951	21	2 25.3	21.1
393692 2004 TB_{9}	17.9	X	156.10933	154.16800	197.49586	22.02657	0.0222813	0.37436074	1.9066714	21	—	—
393693 2004 TJ_{22}	17.6	X	207.84691	145.79845	211.92282	5.60539	0.1201810	0.26763508	2.3847381	21	3 15.5	21.3
393694 2004 TU_{32}	17.8	X	255.68854	64.40505	263.11844	2.27965	0.1171719	0.27009474	2.3702380	21	3 26.8	21.3
393695 2004 TA_{36}	17.4	X	197.45247	344.11938	13.73112	6.96796	0.1538210	0.26495972	2.4007641	21	3 9.9	21.1
393696 2004 TJ_{40}	18.7	X	286.45771	123.88259	199.41265	2.67077	0.2033636	0.27651979	2.3333787	21	4 15.6	22.0
393697 2004 TV_{62}	18.1	X	210.16143	121.23729	237.45529	2.43048	0.1473580	0.26706401	2.3881365	21	3 19.6	21.7
393698 2004 TS_{77}	17.8	X	148.88283	294.89064	47.09833	22.15105	0.0893438	0.37228308	1.9137587	21	—	—
393699 2004 TB_{98}	16.0	X	56.17772	141.61041	196.89155	10.37189	0.0551895	0.17889880	3.1193524	21	11 30.7	20.5
393700 2004 TC_{115}	17.5	X	322.30544	63.23642	241.10413	4.91433	0.2576667	0.27844176	2.3226288	21	4 29.4	19.7
393701 2004 TK_{115}	17.0	X	162.03624	353.06906	11.26049	6.26476	0.1382143	0.25827435	2.4420162	21	2 11.7	20.6
393702 2004 TO_{119}	15.5	X	103.67846	146.12507	232.15161	14.06038	0.1431434	0.19470980	2.9481133	21	—	—
393703 2004 TA_{152}	18.3	X	306.67135	343.46403	315.42970	0.85307	0.1919260	0.27597681	2.3364383	21	4 9.1	21.0
393704 2004 TF_{154}	17.8	X	297.71113	245.67210	21.56256	4.09676	0.1910129	0.26931850	2.3747903	21	2 17.6	21.0
393705 2004 TE_{163}	17.4	X	298.52692	271.94929	53.85728	3.55952	0.2481831	0.27782165	2.3260836	21	4 27.7	20.1
393706 2004 TS_{163}	17.9	X	234.69509	292.17033	56.00786	2.81863	0.2274460	0.26964061	2.3728986	21	3 28.2	21.7
393707 2004 TH_{172}	15.3	X	17.09574	101.37756	230.16171	24.39976	0.2907849	0.17393298	3.1784454	21	10 28.4	18.8
393708 2004 TM_{177}	17.9	X	194.86725	346.77127	20.54453	1.40034	0.1910131	0.26548688	2.3975850	21	3 18.6	21.6
393709 2004 TD_{182}	16.6	X	33.19797	194.86120	113.70389	2.50316	0.1589796	0.17466014	3.1696175	21	10 8.6	20.5
393710 2004 TJ_{219}	16.1	X	30.59107	92.39524	204.43597	24.50636	0.2726086	0.17237370	3.1975846	21	10 3.3	19.9
393711 2004 TL_{222}	16.8	X	258.52472	281.75754	82.76618	10.71676	0.2454565	0.27585304	2.3371372	21	5 8.9	20.5
393712 2004 TS_{255}	17.2	X	96.98626	239.61956	180.69636	6.49403	0.1065739	0.25732536	2.4480164	21	1 25.8	20.2
393713 2004 TV_{268}	17.0	X	208.03447	325.67084	35.97687	7.25195	0.1390602	0.26615224	2.3935874	21	3 24.9	20.7
393714 2004 TJ_{285}	17.9	X	308.48952	239.86463	40.81123	2.52844	0.1960134	0.27339885	2.3511027	21	3 18.5	20.7
393715 2004 TQ_{287}	17.1	X	283.43337	285.05298	53.78016	6.53640	0.2762984	0.27659071	2.3329798	21	4 24.7	20.5
393716 2004 TK_{337}	16.1	X	84.71023	73.32094	194.33339	15.98975	0.2116485	0.17755649	3.1350539	21	10 29.0	21.0
393717 2004 UX_{8}	17.3	X	89.82002	151.66829	241.71736	19.31062	0.0857734	0.36971908	1.9225965	21	—	—
393718 2004 VJ_{18}	17.6	X	252.15905	328.59761	12.09684	2.25629	0.2196854	0.27103743	2.3647390	21	4 1.9	21.4
393719 2004 VS_{28}	17.6	X	79.76810	313.53855	52.67144	23.27532	0.1073475	0.36165915	1.9510561	21	—	—
393720 2004 VY_{31}	17.1	X	266.85810	215.91152	77.89530	4.49158	0.0498378	0.26203075	2.4186213	21	3 7.3	20.3
393721 2004 VE_{80}	16.9	X	74.66853	50.54515	51.78330	15.17185	0.0380283	0.25737654	2.4476918	21	2 19.9	20.2
393722 2004 VL_{83}	17.8	X	278.66286	131.97827	187.95270	0.91473	0.1993552	0.27110157	2.3643659	21	4 3.3	21.2
393723 2004 XY_{7}	16.9	X	341.54921	239.02983	216.60412	2.89351	0.2182476	0.23689805	2.5867933	21	—	—
393724 2004 XB_{21}	16.6	X	25.84314	181.11916	255.56039	13.54742	0.1309520	0.24246748	2.5470280	21	—	—
393725 2004 XC_{26}	16.7	X	45.82404	83.96014	341.41969	4.28957	0.1720958	0.24246833	2.5470220	21	—	—
393726 2004 XS_{58}	17.0	X	59.34827	37.92272	9.67170	4.15107	0.1779999	0.24175326	2.5520420	21	—	—
393727 2004 XL_{136}	16.8	X	300.54914	245.77436	277.25016	10.73131	0.1409802	0.23910879	2.5708240	21	—	—
393728 2004 XX_{160}	16.5	X	24.93933	114.16724	353.43159	3.79007	0.1206668	0.24317823	2.5420627	21	—	—
393729 2004 XC_{169}	17.7	X	34.43407	11.38037	63.65369	13.04566	0.1621928	0.24337528	2.5406903	21	—	—
393730 2004 YG_{6}	16.9	X	354.99328	166.20751	281.75399	4.01172	0.2831172	0.23668448	2.5883492	21	—	—
393731 2004 YJ_{20}	17.1	X	302.01718	74.36293	115.43723	5.56856	0.1054074	0.23960407	2.5672801	21	—	—
393732 2005 AO_{29}	16.3	X	286.15009	223.08382	265.66295	11.97036	0.2370126	0.22770406	2.6559641	21	11 28.0	19.1
393733 2005 AV_{71}	17.4	X	61.12984	87.04263	334.88550	3.63466	0.0459851	0.23966513	2.5668440	21	—	—
393734 2005 BM_{6}	16.8	X	310.43844	80.02682	106.63287	9.48226	0.1053524	0.24062605	2.5600059	21	—	—
393735 2005 BJ_{8}	16.5	X	349.50497	19.92383	75.57527	5.79284	0.0398699	0.23392267	2.6086822	21	—	—
393736 2005 BN_{10}	17.0	X	3.82646	45.46188	60.17009	3.74102	0.1549369	0.23752188	2.5822620	21	—	—
393737 2005 BN_{19}	16.2	X	22.34333	315.47952	84.38385	8.22859	0.1860203	0.23277578	2.6172439	21	—	—
393738 2005 CR_{8}	16.4	X	359.40377	304.68330	130.81884	14.58575	0.1034653	0.23075861	2.6324741	21	—	—
393739 2005 CD_{26}	16.6	X	2.66648	351.35444	123.69268	6.47705	0.0845806	0.23876648	2.5732806	21	—	—
393740 2005 CC_{30}	14.9	X	247.76274	218.92805	74.24457	3.82316	0.1553873	0.12367354	3.9898036	21	2 22.4	21.1
393741 2005 CM_{58}	17.1	X	304.86009	262.64245	253.15913	4.62961	0.2000607	0.23297974	2.6157161	21	—	—
393742 2005 CT_{60}	17.1	X	12.50053	1.75578	111.19052	4.89704	0.1332719	0.23915373	2.5705020	21	—	—
393743 2005 CU_{65}	16.5	X	0.49834	324.91396	136.21936	12.76279	0.2520902	0.23539308	2.5978072	21	—	—
393744 2005 CB_{71}	17.3	X	286.21816	177.64734	7.49946	3.70297	0.0878468	0.23374346	2.6100154	21	—	—
393745 2005 ER_{71}	16.4	X	345.53979	47.38128	87.69776	6.47759	0.1076226	0.23613983	2.5923276	21	—	—
393746 2005 EF_{133}	16.1	X	309.91514	40.91383	120.30943	15.74610	0.0310027	0.23296359	2.6158370	21	—	—
393747 2005 ET_{136}	17.0	X	199.57099	287.43192	343.51622	2.73713	0.1018019	0.22790097	2.6544340	21	—	—
393748 2005 EC_{141}	16.9	X	257.96431	299.06063	225.10690	6.12789	0.2138328	0.22534645	2.6744527	21	12 4.5	20.2
393749 2005 EL_{167}	17.7	X	353.97118	239.90084	204.22770	1.95323	0.1759727	0.22854996	2.6494066	21	—	—
393750 2005 EU_{187}	17.8	X	251.96739	163.19103	1.28401	2.73338	0.2062818	0.22084622	2.7106664	21	11 26.5	21.4
393751 2005 EX_{215}	17.0	X	280.75625	322.82389	195.68487	7.57629	0.1802331	0.22583895	2.6705671	21	—	—
393752 2005 EZ_{221}	17.2	X	230.61191	352.05209	239.74141	1.26422	0.1435191	0.22848485	2.6499099	21	—	—
393753 2005 EV_{223}	16.7	X	266.09996	89.38252	89.91724	12.32635	0.1874741	0.22528308	2.6749582	21	—	—
393754 2005 EA_{224}	16.9	X	298.35930	31.70035	126.86006	12.46726	0.1184404	0.23111872	2.6297389	21	—	—
393755 2005 EX_{252}	16.5	X	74.74546	122.72483	198.08294	15.02262	0.1410623	0.21279668	2.7786007	21	12 16.7	20.9
393756 2005 EL_{258}	17.3	X	165.40594	80.73005	192.18163	8.25764	0.2236592	0.21985413	2.7188148	21	—	—
393757 2005 EV_{259}	17.2	X	225.20765	39.22358	195.91494	8.33003	0.0740668	0.22560254	2.6724324	21	—	—
393758 2005 EZ_{266}	17.1	X	253.62485	304.38514	195.70817	15.73069	0.2057324	0.21814410	2.7330048	21	10 30.4	20.9
393759 2005 FN_{7}	16.4	X	301.11276	37.41529	138.97351	12.56743	0.1131694	0.23094980	2.6310211	21	—	—
393760 2005 GE_{18}	16.9	X	254.05194	50.14622	179.52849	4.96626	0.1532200	0.23087457	2.6315926	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
393761 2005 GO_{66}	17.4	X	302.00774	284.86718	196.23680	4.48831	0.1008847	0.22138427	2.7062727	21	12 29.8	20.6
393762 2005 GB_{70}	17.4	X	320.05046	289.69236	184.00296	7.29273	0.1626659	0.22860490	2.6489821	21	—	—
393763 2005 GA_{76}	17.1	X	138.83705	256.26429	12.62099	3.49119	0.0600439	0.21586376	2.7522183	21	12 15.6	21.1
393764 2005 GS_{87}	17.1	X	209.14913	119.31960	87.40349	5.91376	0.0898414	0.21602149	2.7508785	21	12 14.3	20.9
393765 2005 GG_{98}	16.3	X	234.75112	338.57154	251.30457	11.54049	0.1327717	0.22482243	2.6786109	21	—	—
393766 2005 GS_{113}	16.8	X	254.05671	85.80531	105.98405	2.88225	0.2052746	0.22409198	2.6844285	21	—	—
393767 2005 GE_{116}	17.0	X	202.59444	36.80457	221.69144	4.27520	0.2274636	0.22232869	2.6986033	21	—	—
393768 2005 GX_{134}	16.7	X	225.53682	335.55081	214.75353	13.07076	0.0581108	0.21701237	2.7424984	21	12 16.8	20.7
393769 2005 GJ_{136}	16.7	X	198.21170	26.32600	190.20061	13.80557	0.0760107	0.21578119	2.7529205	21	12 15.7	21.0
393770 2005 GE_{138}	17.1	X	178.29889	237.63145	67.05550	3.08179	0.1916111	0.22542284	2.6738525	21	—	—
393771 2005 GJ_{144}	16.2	X	227.98034	358.90848	190.63683	13.07624	0.0373035	0.21683323	2.7440088	21	12 21.8	20.3
393772 2005 GV_{146}	17.0	X	155.79438	47.28219	220.90236	2.00274	0.0668787	0.21772581	2.7365041	21	—	—
393773 2005 GN_{170}	16.9	X	206.94901	340.37955	225.72229	5.56774	0.2369990	0.21672986	2.7448812	21	11 27.5	21.4
393774 2005 GV_{201}	16.8	X	157.02890	260.98775	36.07491	6.30673	0.1021344	0.22142580	2.7059342	21	—	—
393775 2005 GT_{214}	16.2	X	146.67692	236.68403	46.13072	17.04342	0.1323606	0.21717825	2.7411018	21	—	—
393776 2005 GV_{216}	16.4	X	221.09335	308.42472	121.44295	3.11448	0.0453611	0.20350259	2.8625698	21	7 11.1	20.5
393777 2005 GD_{222}	17.3	X	323.04217	265.13186	213.03979	3.03238	0.1112806	0.22485239	2.6783729	21	—	—
393778 2005 JB_{20}	16.2	X	244.78767	119.20768	89.11910	14.04763	0.2101615	0.22307441	2.6925857	21	—	—
393779 2005 JF_{28}	17.0	X	125.19807	104.94891	168.07241	8.81016	0.1220691	0.20958379	2.8069257	21	12 8.7	21.5
393780 2005 JG_{28}	16.0	X	127.23109	201.11878	111.94034	10.29559	0.0826708	0.21629061	2.7485962	21	—	—
393781 2005 JR_{48}	16.7	X	107.48182	214.21660	122.86474	5.90465	0.0479381	0.21756099	2.7378860	21	—	—
393782 2005 JB_{51}	17.7	X	137.02465	92.81158	215.96325	16.32870	0.3256502	0.21426364	2.7659038	21	—	—
393783 2005 JL_{61}	17.0	X	148.71015	83.86132	220.52003	11.72504	0.2021607	0.21686908	2.7437063	21	—	—
393784 2005 JR_{132}	17.0	X	158.51021	177.47493	93.46328	9.68900	0.1547086	0.21468580	2.7622766	21	—	—
393785 2005 JP_{141}	16.9	X	135.22125	197.01817	93.95695	3.03373	0.1377803	0.21340723	2.7732986	21	—	—
393786 2005 JL_{149}	16.2	X	192.44469	357.06807	216.23101	9.73718	0.0478607	0.21370409	2.7707297	21	12 7.7	20.2
393787 2005 JU_{156}	16.4	X	156.43174	197.55147	78.37829	17.52637	0.1679631	0.21457847	2.7631977	21	—	—
393788 2005 JG_{185}	16.7	X	120.40176	228.70292	84.23999	10.28476	0.1653338	0.21308078	2.7761304	21	—	—
393789 2005 KN_{4}	16.5	X	90.43881	205.48519	106.67140	5.47248	0.0581726	0.21110335	2.7934397	21	12 14.5	20.4
393790 2005 LD_{37}	16.6	X	219.40492	343.27390	209.03610	12.10393	0.0508974	0.21289848	2.7777149	21	12 12.6	20.6
393791 2005 LJ_{53}	16.2	X	44.90187	139.13385	187.06698	9.86099	0.1038919	0.19252867	2.9703373	21	11 11.6	20.3
393792 2005 MR_{3}	16.8	X	133.15570	100.30325	183.64420	4.75092	0.1389530	0.21141547	2.7906896	21	12 28.3	21.3
393793 2005 MU_{25}	16.2	X	167.21569	103.94394	130.56112	12.62667	0.0819476	0.20342853	2.8632646	21	12 4.4	20.7
393794 2005 NV_{9}	16.1	X	342.87525	235.18893	133.09507	14.59881	0.2215057	0.18864206	3.0109972	21	10 6.9	19.2
393795 2005 NO_{10}	16.9	X	102.47049	182.97927	126.07881	2.93422	0.0930004	0.20467177	2.8516579	21	12 25.5	21.1
393796 2005 NV_{13}	17.2	X	48.07681	102.61740	223.68957	1.84075	0.0693685	0.19261615	2.9694379	21	11 9.2	21.3
393797 2005 NB_{14}	16.6	X	50.92903	156.85487	161.37343	6.96186	0.1816501	0.19256696	2.9699435	21	11 20.6	20.8
393798 2005 NB_{22}	18.1	X	292.19608	66.77388	268.21974	4.98537	0.1158825	0.30157880	2.2022613	21	5 21.0	20.6
393799 2005 PW_{28}	16.3	X	310.97496	25.64015	8.01949	9.71301	0.0713343	0.18384833	3.0631124	21	9 17.5	20.2
393800 2005 QC_{20}	17.7	X	269.38475	219.65749	164.59353	4.49628	0.1953923	0.30021736	2.2089142	21	6 18.9	20.5
393801 2005 QX_{25}	16.6	X	35.39509	291.58344	24.59345	6.08145	0.0578257	0.18609613	3.0383968	21	10 8.8	20.6
393802 2005 QK_{38}	17.7	X	273.35619	193.47414	170.56174	6.78587	0.2368014	0.29751622	2.2222638	21	5 21.9	20.8
393803 2005 QM_{56}	17.7	X	283.03827	226.84414	152.87199	8.31270	0.2423349	0.30079288	2.2060957	21	6 23.2	20.5
393804 2005 QH_{71}	17.5	X	307.99253	160.55478	179.00112	3.98990	0.3154777	0.30045036	2.2077720	21	5 18.4	19.8
393805 2005 QO_{77}	16.3	X	327.95728	293.66558	45.20046	1.67117	0.1807885	0.18106523	3.0944206	21	7 20.2	19.7
393806 2005 QE_{100}	18.0	X	19.67791	47.47486	252.75920	3.49995	0.1977128	0.30949049	2.1645677	21	9 26.9	19.7
393807 2005 QF_{100}	18.2	X	6.84229	103.37796	219.93128	3.12981	0.2002083	0.31008220	2.1618132	21	10 10.1	19.6
393808 2005 QT_{104}	16.5	X	22.15393	215.18378	173.87654	17.65153	0.1248437	0.19620251	2.9331415	21	12 30.6	20.7
393809 2005 QY_{120}	16.0	X	36.49779	311.06678	330.74799	7.96424	0.0399753	0.18272536	3.0756494	21	8 24.1	19.9
393810 2005 QX_{141}	16.5	X	11.86044	166.79682	194.07912	9.53820	0.1101610	0.18857198	3.0117432	21	11 8.5	20.3
393811 2005 QH_{147}	16.3	X	8.27169	284.69135	64.28707	6.74087	0.2348366	0.18969158	2.9998809	21	11 1.8	19.5
393812 2005 QV_{174}	16.1	X	76.67081	98.96043	170.33995	18.97286	0.0388242	0.18788346	3.0190967	21	10 1.8	20.4
393813 2005 QN_{181}	16.3	X	330.03216	322.01080	42.19977	2.37740	0.1800043	0.18184406	3.0855787	21	8 29.9	19.6
393814 2005 RS_{15}	17.7	X	71.92897	137.70061	347.70673	8.46132	0.0794776	0.28486451	2.2875845	21	3 10.9	20.0
393815 2005 SO_{3}	17.9	X	20.05032	132.83864	177.83138	5.29946	0.2197806	0.30766703	2.1731118	21	10 22.2	19.7
393816 2005 SS_{6}	16.4	X	338.59134	122.37110	214.66807	9.10337	0.0835702	0.17628376	3.1501254	21	8 9.1	20.6
393817 2005 SN_{15}	17.9	X	259.95413	42.42667	338.83616	2.00999	0.1342803	0.29706872	2.2244950	21	6 11.1	20.7
393818 2005 SF_{16}	16.2	X	193.26835	109.47739	1.31786	9.93387	0.0381015	0.17471934	3.1689014	21	8 2.9	21.0
393819 2005 SZ_{18}	18.0	X	189.16665	40.74539	355.67612	6.52631	0.1017472	0.28553013	2.2840280	21	4 13.1	21.3
393820 2005 SP_{27}	16.1	X	292.16211	176.60435	214.43422	10.57190	0.0843388	0.17767350	3.1336774	21	8 10.5	20.6
393821 2005 SC_{29}	17.9	X	33.40395	356.28358	317.76978	2.86977	0.2200031	0.31184662	2.1536511	21	11 16.5	20.2
393822 2005 SX_{35}	18.2	X	357.39808	85.51675	246.27940	2.83638	0.2651303	0.30796010	2.1717329	21	10 11.7	19.1
393823 2005 SW_{37}	16.2	X	256.63563	39.12233	15.02828	9.71897	0.1864870	0.17432052	3.1737329	21	7 17.9	21.1
393824 2005 SX_{62}	16.1	X	218.70838	55.73331	20.48579	8.50993	0.1348202	0.17048234	3.2211908	21	7 10.7	21.3
393825 2005 SV_{64}	16.5	X	10.05708	153.25007	199.86281	9.15670	0.1603813	0.18768872	3.0211846	21	10 31.3	20.0
393826 2005 SU_{67}	18.0	X	295.10339	356.21227	4.08005	6.12447	0.1750584	0.30052028	2.2074296	21	6 23.8	20.5
393827 2005 SW_{81}	16.4	X	280.58787	198.06195	181.04120	9.39412	0.0961426	0.17531363	3.1617359	21	7 11.1	21.0
393828 2005 SR_{82}	16.2	X	3.23819	340.37457	4.88793	8.29351	0.0939829	0.18418320	3.0593984	21	10 1.9	20.1
393829 2005 SE_{84}	16.9	X	11.35900	337.22836	4.13564	2.75322	0.0831055	0.18476225	3.0530029	21	10 8.6	20.8
393830 2005 SL_{86}	16.3	X	292.21469	343.26525	21.98202	9.22823	0.1018430	0.17438409	3.1729615	21	7 10.8	20.7
393831 2005 ST_{87}	16.5	X	357.13533	154.54246	186.59643	12.90476	0.0689313	0.18206080	3.0831294	21	9 14.8	20.4
393832 2005 SR_{89}	16.2	X	16.24690	130.66510	212.96011	4.04767	0.1987430	0.18573445	3.0423400	21	11 2.1	19.4
393833 2005 SE_{91}	16.1	X	340.81639	168.25027	200.76751	11.44312	0.0898213	0.18192324	3.0846834	21	9 26.2	19.9
393834 2005 SJ_{92}	16.8	X	45.11523	66.80534	238.64450	0.95878	0.2019311	0.18637523	3.0353627	21	10 28.4	20.8
393835 2005 SF_{100}	17.7	X	333.07491	33.66418	257.18476	2.97632	0.0782643	0.29429960	2.2384270	21	5 28.1	19.7
393836 2005 SW_{108}	16.2	X	296.20824	349.19326	16.05454	10.87829	0.0963146	0.17447635	3.1718429	21	7 18.5	20.6
393837 2005 SK_{109}	17.9	X	3.33907	273.26446	10.54276	3.86460	0.1312233	0.29975156	2.2112020	21	7 15.6	19.5
393838 2005 SF_{115}	16.2	X	7.27643	143.98690	196.75909	7.01265	0.0877528	0.18371003	3.0646495	21	10 1.7	20.1
393839 2005 SP_{115}	17.4	X	327.72340	291.36070	8.42269	6.38918	0.1472274	0.29709867	2.2243455	21	5 19.8	19.5
393840 2005 SB_{120}	16.8	X	56.79770	254.75095	197.16470	22.80158	0.2396411	0.27013044	2.3700292	21	1 1.9	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
393841 2005 SA_{121}	17.7	X	275.15147	152.37851	240.44584	3.52485	0.1502150	0.30078941	2.2061127	21	7 16.1	20.1
393842 2005 SG_{128}	17.8	X	264.22126	141.29509	224.49553	5.91851	0.1965806	0.29519217	2.2339125	21	5 17.9	20.7
393843 2005 SO_{132}	16.0	X	317.14547	151.75472	209.59911	26.97630	0.1163245	0.17610448	3.1522630	21	7 31.3	20.7
393844 2005 SD_{142}	16.1	X	246.55730	59.29162	29.53685	10.83752	0.0369551	0.17953958	3.1119259	21	9 9.9	20.6
393845 2005 SD_{147}	16.1	X	330.35443	140.77989	194.92760	8.95757	0.0679425	0.17507158	3.1646495	21	7 27.7	20.4
393846 2005 SD_{149}	16.2	X	351.72384	329.27297	35.48065	9.64367	0.1420650	0.18357589	3.0661422	21	10 13.1	19.6
393847 2005 SX_{149}	16.6	X	43.89669	293.53839	53.80439	3.95997	0.2076781	0.19131709	2.9828646	21	12 19.0	20.7
393848 2005 SK_{154}	17.9	X	70.41932	26.16322	204.37305	5.05624	0.0976447	0.30219923	2.1992460	21	8 16.5	20.4
393849 2005 SD_{155}	16.2	X	24.69047	74.93772	191.59627	9.69961	0.0201202	0.17385196	3.1794328	21	7 15.2	20.7
393850 2005 SM_{162}	16.7	X	359.50139	59.06407	278.14821	0.93306	0.1087991	0.18181817	3.0858716	21	9 15.6	20.3
393851 2005 SG_{169}	16.1	X	32.00063	153.55930	202.67454	15.36877	0.0807581	0.19104600	2.9856857	21	11 27.6	20.2
393852 2005 SP_{170}	16.1	X	7.08575	122.55572	214.01521	8.08182	0.0698430	0.18308743	3.0715932	21	9 23.0	20.0
393853 2005 SN_{181}	16.0	X	190.52750	279.46280	204.57721	24.43313	0.2528976	0.17047566	3.2212750	21	7 31.8	22.1
393854 2005 SE_{182}	17.9	X	162.85495	72.66710	2.90494	6.62329	0.0496531	0.28782002	2.2718974	21	5 2.1	20.9
393855 2005 SJ_{192}	16.2	X	51.29193	92.59811	206.66870	12.58159	0.2075383	0.18513951	3.0488541	21	10 30.1	20.3
393856 2005 SO_{199}	16.1	X	44.62653	106.34160	176.63777	11.94123	0.0699532	0.18357655	3.0661348	21	9 8.8	20.2
393857 2005 SL_{209}	15.7	X	341.62473	111.47222	231.01597	8.75222	0.1301342	0.18103323	3.0947852	21	8 19.2	19.5
393858 2005 ST_{220}	17.2	X	267.29775	68.01228	277.66006	5.66500	0.2691128	0.29318954	2.2440734	21	4 13.5	20.9
393859 2005 SN_{225}	16.7	X	44.55488	237.67360	231.11997	20.59737	0.3160967	0.26471733	2.4022293	21	—	—
393860 2005 SA_{226}	16.2	X	214.35246	245.68569	196.74909	11.44614	0.0867667	0.17259262	3.1948801	21	7 13.8	21.3
393861 2005 SL_{233}	15.3	X	260.92915	31.63405	33.00007	13.32091	0.0664965	0.17419161	3.1752985	21	8 25.6	20.0
393862 2005 SO_{233}	16.7	X	44.02071	301.63866	33.90342	7.53983	0.2155795	0.18856707	3.0117956	21	12 4.5	20.8
393863 2005 SE_{239}	16.1	X	25.80425	296.71063	14.94605	9.64987	0.0901771	0.18375306	3.0641710	21	9 24.1	19.9
393864 2005 SE_{264}	16.5	X	299.94998	6.20973	26.50444	2.41623	0.1112343	0.17981821	3.1087104	21	8 25.2	20.4
393865 2005 SY_{270}	17.7	X	249.93187	316.43200	89.40092	5.68636	0.1112426	0.29863616	2.2167044	21	7 7.3	20.3
393866 2005 SX_{274}	16.6	X	61.28982	278.88983	31.26810	5.88424	0.2335489	0.18932224	3.0037812	21	11 26.4	21.0
393867 2005 SG_{279}	16.2	X	51.56039	90.88139	212.85173	10.52849	0.0763222	0.18438164	3.0572029	21	10 15.6	20.3
393868 2005 SY_{279}	16.0	X	336.96366	310.70258	43.35047	10.80038	0.0781817	0.17816682	3.1278902	21	9 7.8	20.1
393869 2005 SS_{291}	16.7	X	52.95632	97.44206	203.45854	10.17783	0.0263300	0.18400106	3.0614171	21	10 6.8	20.9
393870 2005 TG_{4}	16.4	X	356.98663	134.31259	192.05344	4.30890	0.1511077	0.17973230	3.1097010	21	8 27.9	19.9
393871 2005 TD_{12}	16.1	X	47.74612	254.13780	35.22284	10.60393	0.0884311	0.18082819	3.0971243	21	9 28.1	20.3
393872 2005 TS_{18}	16.5	X	334.13443	255.25050	114.78583	2.58177	0.2196982	0.18361117	3.0657494	21	9 13.1	19.4
393873 2005 TE_{24}	16.3	X	24.05319	290.86722	40.20969	5.31188	0.1471346	0.18362390	3.0656077	21	10 22.6	20.1
393874 2005 TF_{26}	16.0	X	9.95351	297.02459	38.73541	10.68139	0.0531329	0.17984012	3.1084580	21	9 30.6	20.2
393875 2005 TD_{28}	15.8	X	332.96172	319.93476	41.11837	10.56122	0.1006650	0.17924325	3.1153548	21	9 9.6	19.8
393876 2005 TW_{33}	16.0	X	25.42708	258.72037	24.26358	11.50839	0.0737544	0.17798551	3.1300140	21	8 18.6	20.2
393877 2005 TK_{38}	16.6	X	315.66205	239.24223	173.45282	4.95427	0.1351274	0.18542681	3.0457040	21	10 13.3	20.1
393878 2005 TC_{47}	17.7	X	305.79165	10.42794	315.24024	7.38021	0.1840572	0.29821891	2.2187716	21	5 13.9	20.3
393879 2005 TA_{48}	16.3	X	343.57884	137.34791	225.18746	8.95155	0.1523147	0.18215164	3.0821042	21	9 19.8	19.9
393880 2005 TO_{55}	17.6	X	273.33852	146.71220	216.42242	4.25662	0.1334841	0.29673255	2.2261748	21	6 3.1	20.4
393881 2005 TM_{57}	16.0	X	119.57560	183.06056	30.52327	12.39881	0.0763729	0.17852964	3.1236509	21	9 19.8	20.7
393882 2005 TO_{60}	17.6	X	50.51126	226.30855	239.56417	4.21012	0.1156424	0.27315618	2.3524950	21	1 8.2	19.7
393883 2005 TA_{75}	15.9	X	39.14315	106.02188	196.10623	21.69412	0.0795399	0.18168085	3.0874264	21	9 26.3	20.0
393884 2005 TM_{75}	17.6	X	146.39901	67.26358	356.31119	5.42956	0.2157755	0.28083954	2.3093896	21	4 13.4	21.2
393885 2005 TU_{76}	17.0	X	278.56417	268.57651	113.00037	7.71961	0.1662901	0.30020014	2.2089987	21	7 2.2	19.6
393886 2005 TO_{78}	17.8	X	210.71894	223.34672	181.30060	5.14208	0.1496395	0.29051721	2.2578139	21	5 19.5	21.2
393887 2005 TN_{83}	17.5	X	247.82271	170.22135	218.72755	5.66748	0.1535856	0.29464754	2.2366645	21	6 5.4	20.5
393888 2005 TJ_{100}	16.4	X	281.71666	30.07517	358.45984	9.22671	0.0965083	0.17451012	3.1714337	21	7 28.9	20.8
393889 2005 TX_{101}	16.5	X	34.39094	311.66875	2.92442	6.38474	0.2578197	0.18606370	3.0387499	21	10 31.8	20.4
393890 2005 TF_{102}	15.9	X	83.61949	65.72485	225.13833	8.36951	0.1093981	0.18806271	3.0171779	21	11 13.1	20.2
393891 2005 TV_{104}	15.9	X	314.68675	164.01359	225.94528	19.51325	0.2005026	0.18021274	3.1041716	21	8 24.2	19.9
393892 2005 TH_{105}	15.6	X	313.97783	323.93084	40.44610	11.39567	0.2482981	0.17803251	3.1294631	21	7 22.2	19.4
393893 2005 TQ_{119}	16.5	X	69.69467	131.72502	201.35615	9.41450	0.0958623	0.19324807	2.9629610	21	12 17.2	20.9
393894 2005 TR_{121}	18.5	X	20.82438	107.20198	191.83886	3.29053	0.2030046	0.30673182	2.1775267	21	9 29.8	20.2
393895 2005 TZ_{121}	16.3	X	64.40794	303.60448	22.70319	12.87754	0.1389553	0.19189405	2.9768826	21	12 6.1	20.8
393896 2005 TY_{140}	16.2	X	85.20534	186.45771	38.79648	10.33030	0.0188938	0.17485530	3.1672586	21	8 16.8	20.8
393897 2005 TU_{141}	16.5	X	280.69671	198.23059	186.23121	10.57281	0.0871116	0.17386181	3.1793127	21	7 18.8	21.1
393898 2005 TN_{142}	16.3	X	121.96956	144.69078	42.60932	9.94056	0.0204121	0.17424284	3.1746761	21	8 14.5	21.0
393899 2005 TV_{150}	16.7	X	238.50518	27.60600	36.42948	12.58537	0.1001410	0.17262642	3.1944631	21	7 20.9	21.7
393900 2005 TH_{155}	18.0	X	158.99972	86.20020	344.79614	4.46593	0.0383697	0.28709744	2.2757078	21	4 19.9	20.8
393901 2005 TN_{161}	16.4	X	61.49987	0.93813	307.27086	2.53303	0.1576076	0.18800409	3.0178051	21	11 14.4	20.6
393902 2005 TH_{174}	16.1	X	336.20340	152.21545	220.15302	10.75426	0.1344706	0.18154745	3.0889386	21	9 19.9	19.9
393903 2005 TH_{193}	18.4	X	165.33122	243.61099	185.97675	2.60207	0.1251178	0.28534591	2.2850109	21	5 5.3	21.7
393904 2005 TZ_{193}	16.7	X	44.35505	133.00855	192.06300	10.97424	0.1030691	0.18657023	3.0332473	21	11 8.2	20.8
393905 2005 TF_{194}	17.8	X	94.19862	134.35500	2.09840	6.32844	0.1260946	0.28382122	2.2931870	21	5 7.7	20.5
393906 2005 UZ_{1}	17.5	X	252.89287	163.91797	223.98367	6.18810	0.1631763	0.29558139	2.2319510	21	6 8.6	20.5
393907 2005 UR_{2}	18.2	X	19.28317	76.30509	232.97019	4.86681	0.3030928	0.30728515	2.1749119	21	11 1.8	20.1
393908 2005 UH_{3}	17.5	X	344.36984	309.15448	53.32838	44.77232	0.5461805	0.43446284	1.7265041	21	—	—
393909 2005 UQ_{10}	17.2	X	299.02517	263.61509	69.16232	8.04778	0.1802558	0.29585448	2.2305773	21	5 18.6	19.5
393910 2005 UK_{23}	17.9	X	351.59516	77.70268	226.13805	4.56165	0.2058872	0.30058456	2.2071149	21	7 19.3	19.0
393911 2005 UB_{25}	16.2	X	49.34656	77.44546	226.76090	9.45328	0.0696812	0.18192532	3.0846598	21	10 10.8	20.5
393912 2005 UL_{26}	16.3	X	68.54119	126.38504	203.69997	13.49028	0.1236083	0.19327025	2.9627343	21	12 15.6	20.8
393913 2005 UT_{30}	16.1	X	303.61128	205.03828	188.96229	10.72945	0.0730579	0.17909831	3.1170353	21	9 2.9	20.4
393914 2005 US_{35}	16.6	X	35.89629	269.59031	53.41966	3.82103	0.1947872	0.18382338	3.0633895	21	11 5.7	20.4
393915 2005 UK_{42}	16.0	X	294.14962	347.16240	35.75579	9.96337	0.0943441	0.17457319	3.1706699	21	8 9.3	20.4
393916 2005 UN_{45}	16.3	X	316.13844	181.14700	194.33324	9.18690	0.2348835	0.17843076	3.1248048	21	8 7.1	19.9
393917 2005 UF_{47}	16.0	X	337.64469	302.48208	55.90491	11.49581	0.1761476	0.17799493	3.1299035	21	9 11.6	19.6
393918 2005 UR_{60}	15.7	X	300.64678	341.68084	51.81013	13.06544	0.0629969	0.17507451	3.1646142	21	9 8.4	20.2
393919 2005 US_{60}	17.7	X	97.15419	64.48500	51.24755	6.00636	0.1040275	0.27853840	2.3220915	21	4 12.8	20.4
393920 2005 UV_{66}	17.6	X	302.51000	260.27553	101.01872	7.07896	0.1081074	0.30003423	2.2098129	21	7 21.1	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
393921 2005 US_{71}	15.9	X	302.87104	176.23236	230.58999	20.56054	0.1800439	0.17962285	3.1109641	21	8 28.8	20.2
393922 2005 UE_{73}	17.8	X	308.88757	297.42078	52.81404	5.36860	0.1462361	0.29830915	2.2183241	21	7 8.4	19.8
393923 2005 UQ_{78}	17.8	X	141.99322	16.98751	54.68525	4.56100	0.2113052	0.27944687	2.3170561	21	4 21.8	21.2
393924 2005 UU_{78}	17.2	X	187.52968	186.42496	204.72843	6.15327	0.1930344	0.28263184	2.2996160	21	4 9.1	20.8
393925 2005 UX_{94}	18.3	X	358.28979	328.26278	5.23753	4.68346	0.2246383	0.30609258	2.1805573	21	10 10.4	19.4
393926 2005 UF_{97}	16.2	X	62.19717	108.94947	202.51503	7.81741	0.0619340	0.18425165	3.0586406	21	11 6.9	20.4
393927 2005 UA_{99}	15.6	X	31.44984	231.50010	73.67627	10.40546	0.0700529	0.17736772	3.1372779	21	9 25.1	19.9
393928 2005 UT_{105}	15.9	X	263.07111	203.94393	198.72252	6.46756	0.0332354	0.16974347	3.2305316	21	7 27.5	20.5
393929 2005 UF_{107}	15.8	X	357.73021	295.97803	58.96699	16.06935	0.1350727	0.18053407	3.1004871	21	10 15.3	19.6
393930 2005 UL_{108}	16.4	X	284.42943	209.77442	212.01338	10.98317	0.0500940	0.17702880	3.1412809	21	9 13.9	20.8
393931 2005 UQ_{110}	15.2	X	321.51746	317.41587	50.57366	13.51507	0.0558705	0.17338399	3.1851513	21	9 5.8	19.7
393932 2005 UM_{119}	16.5	X	134.41968	163.54926	28.31754	9.51715	0.0354342	0.17537893	3.1609511	21	9 5.5	21.2
393933 2005 UW_{123}	16.1	X	351.61625	301.17727	44.92303	13.61931	0.0748548	0.17895010	3.1187562	21	9 21.2	20.3
393934 2005 UN_{124}	16.5	X	6.91838	308.86866	36.67036	8.48193	0.2182179	0.18247920	3.0784148	21	10 20.9	19.7
393935 2005 UJ_{128}	16.3	X	55.37238	59.48757	226.76301	8.72743	0.0305132	0.17753454	3.1353123	21	9 18.9	20.8
393936 2005 UG_{136}	16.6	X	19.04247	78.43305	207.97530	3.85509	0.1170439	0.17626184	3.1503866	21	8 9.9	20.5
393937 2005 UX_{148}	17.7	X	38.64980	252.73586	227.26586	6.02813	0.2531579	0.26724064	2.3870840	21	1 1.6	19.1
393938 2005 UK_{154}	15.9	X	332.64260	304.74700	50.78845	9.59934	0.1018507	0.17485636	3.1672457	21	8 31.8	20.0
393939 2005 UV_{161}	15.8	X	293.49171	163.38736	220.15302	23.36175	0.2280070	0.17433503	3.1735568	21	7 9.6	20.5
393940 2005 UL_{163}	15.9	X	339.62650	98.87299	230.82447	9.42723	0.1105909	0.17500827	3.1654127	21	7 30.4	20.0
393941 2005 UO_{167}	16.6	X	188.69344	250.20189	219.23706	15.29455	0.0629890	0.16976815	3.2302186	21	7 18.6	21.7
393942 2005 UE_{169}	16.2	X	16.44430	76.18578	236.69067	9.53047	0.0264271	0.17524724	3.1625344	21	8 30.5	20.7
393943 2005 UQ_{171}	17.5	X	226.23436	164.53276	239.05370	3.48816	0.1218574	0.29075185	2.2565990	21	6 4.1	20.7
393944 2005 UR_{172}	18.3	X	116.99845	71.63576	35.63561	2.16126	0.0594537	0.28156184	2.3054384	21	4 19.8	21.0
393945 2005 UY_{186}	15.4	X	277.92149	196.96189	229.74075	16.06142	0.1042167	0.17543281	3.1603039	21	8 31.2	20.1
393946 2005 UP_{192}	18.2	X	154.42239	44.67659	25.07770	23.25329	0.2115796	0.28377339	2.2934447	21	4 26.1	21.8
393947 2005 UC_{198}	16.3	X	268.72447	35.56700	32.79324	11.33101	0.0626949	0.17837597	3.1254447	21	9 8.7	20.8
393948 2005 UW_{200}	18.1	X	152.47045	224.04271	207.65591	3.53142	0.1448510	0.28167336	2.3048298	21	4 25.6	21.5
393949 2005 UA_{203}	15.4	X	351.68256	107.64479	222.48636	25.05105	0.1384742	0.17613470	3.1519024	21	8 14.2	19.7
393950 2005 UB_{204}	16.2	X	348.25020	126.28600	219.13042	8.18252	0.0867407	0.17664077	3.1458796	21	9 4.5	20.2
393951 2005 UA_{207}	16.4	X	50.52998	109.35869	165.66314	1.89709	0.1848497	0.17937040	3.1138823	21	9 24.3	20.3
393952 2005 US_{212}	17.8	X	298.00192	223.29595	62.34095	7.31428	0.1152486	0.28368600	2.2939156	21	3 25.5	20.7
393953 2005 UR_{213}	16.9	X	28.23884	289.11761	64.19456	10.23980	0.2947983	0.18990066	2.9976786	21	12 18.4	20.7
393954 2005 UX_{215}	18.0	X	175.57085	330.92836	79.78190	3.66205	0.2392262	0.28337402	2.2955990	21	4 26.6	21.7
393955 2005 UJ_{221}	17.7	X	17.70976	172.58588	17.45705	6.70777	0.0605186	0.27993734	2.3143489	21	3 17.2	20.0
393956 2005 UA_{223}	15.8	X	11.63594	283.38960	28.33562	11.66842	0.0860500	0.17646399	3.1479802	21	9 5.6	19.9
393957 2005 UZ_{223}	16.1	X	47.63148	69.71217	233.69558	8.25830	0.1324779	0.18295695	3.0730534	21	10 16.9	20.2
393958 2005 UK_{233}	17.6	X	68.93507	55.36192	58.75564	12.31403	0.1317719	0.27314849	2.3525391	21	3 6.3	20.2
393959 2005 UC_{236}	17.1	X	341.49234	181.59847	75.51063	7.42080	0.0766367	0.28544162	2.2845001	21	4 24.6	19.6
393960 2005 UY_{239}	18.2	X	331.48673	191.65701	143.02897	4.00317	0.1750743	0.29978302	2.2110473	21	7 25.6	19.4
393961 2005 UK_{241}	16.2	X	351.17127	277.94375	58.67442	5.49393	0.1423772	0.17658652	3.1465238	21	9 4.2	19.8
393962 2005 UE_{248}	15.8	X	326.86918	309.00261	53.02095	10.63848	0.0788822	0.17548274	3.1597043	21	9 2.6	20.0
393963 2005 UO_{248}	15.8	X	94.51012	15.86672	218.43346	8.55353	0.0325485	0.17440499	3.1727081	21	9 2.8	20.5
393964 2005 UM_{265}	16.0	X	44.99926	89.30834	214.22734	8.31542	0.1532012	0.18063457	3.0993370	21	10 17.3	20.1
393965 2005 UA_{270}	16.2	X	8.10859	137.41113	211.02950	9.76789	0.1023765	0.18218080	3.0817754	21	10 13.6	19.9
393966 2005 UC_{278}	15.5	X	306.58761	349.73269	40.68746	11.44136	0.0819111	0.17670283	3.1451429	21	9 9.4	19.8
393967 2005 US_{279}	16.5	X	351.11072	199.09009	163.83132	1.09630	0.1048788	0.18110084	3.0940149	21	10 6.4	20.1
393968 2005 UP_{283}	15.6	X	337.41476	298.16888	50.49202	12.44740	0.0958541	0.17703157	3.1412481	21	9 1.7	19.7
393969 2005 UQ_{284}	15.7	X	323.64323	315.91712	48.53977	16.68963	0.0886056	0.17671186	3.1450357	21	9 4.1	20.1
393970 2005 UJ_{289}	17.1	X	3.36316	291.00157	24.49174	7.73093	0.1732629	0.30251944	2.1976938	21	9 16.8	18.6
393971 2005 US_{291}	17.8	X	12.57272	42.59443	258.07957	4.19187	0.1870232	0.30205283	2.1999566	21	9 7.8	19.4
393972 2005 UC_{308}	16.0	X	274.02457	350.63788	45.99007	7.34090	0.1664194	0.17131810	3.2107061	21	7 17.5	20.6
393973 2005 UF_{312}	16.8	X	40.86261	135.45255	203.47350	9.23246	0.0824022	0.18699072	3.0286983	21	11 17.4	20.9
393974 2005 UG_{312}	16.2	X	21.33235	130.07766	200.58192	8.27800	0.0987318	0.18212611	3.0823923	21	10 10.9	20.2
393975 2005 UY_{323}	16.3	X	167.12541	314.37089	187.81850	9.53877	0.0332883	0.17526638	3.1623041	21	8 6.0	21.0
393976 2005 UD_{324}	18.4	X	80.46280	45.06733	73.00579	2.02027	0.1411349	0.27555318	2.3388324	21	3 26.7	20.8
393977 2005 UQ_{329}	16.2	X	66.58266	254.27891	49.56471	6.64651	0.1193545	0.18482124	3.0523533	21	11 10.2	20.6
393978 2005 UH_{341}	17.8	X	149.99314	23.16406	61.77962	3.30415	0.1908702	0.28334956	2.2957311	21	5 14.3	21.3
393979 2005 US_{341}	16.2	X	52.77713	85.86708	212.01865	8.43231	0.1398618	0.18064721	3.0991924	21	10 18.9	20.4
393980 2005 UP_{352}	17.0	X	123.81979	171.82954	266.22126	6.19482	0.0598034	0.27948533	2.3168435	21	3 15.5	20.1
393981 2005 UT_{352}	15.9	X	263.23643	195.21309	236.85258	9.62693	0.0615270	0.17644752	3.1481760	21	8 27.5	20.5
393982 2005 UG_{361}	16.4	X	108.52794	169.39526	42.56186	11.27832	0.0288845	0.17446262	3.1720093	21	8 31.5	21.1
393983 2005 UD_{377}	17.7	X	22.32229	281.83332	354.02248	4.26986	0.1416661	0.29824001	2.2186669	21	8 14.8	19.4
393984 2005 UW_{378}	17.8	X	109.66725	309.12625	185.33647	3.65260	0.1151116	0.28679924	2.2772850	21	5 27.7	20.5
393985 2005 UY_{386}	16.4	X	24.14977	50.54332	274.21418	2.65873	0.1090138	0.17907340	3.1173244	21	10 7.1	20.4
393986 2005 UJ_{388}	17.6	X	48.80616	106.34148	53.20226	8.52648	0.0783468	0.28042765	2.3116504	21	3 27.9	20.0
393987 2005 UD_{404}	15.8	X	56.69206	195.08889	77.47526	9.98623	0.0534507	0.17453463	3.1711368	21	9 14.9	20.3
393988 2005 UB_{409}	18.0	X	350.53347	66.03927	157.02007	2.37023	0.1290926	0.28302135	2.2975056	21	3 10.1	20.1
393989 2005 UR_{413}	16.8	X	25.27751	162.09541	188.78139	3.98479	0.1743220	0.18659081	3.0330242	21	11 23.3	20.5
393990 2005 UF_{416}	17.7	X	351.00425	262.83702	62.01701	7.32356	0.1890078	0.30285212	2.1960841	21	9 5.2	19.1
393991 2005 UR_{430}	16.5	X	351.59930	97.92147	240.63921	7.61018	0.0998817	0.17579038	3.1560169	21	8 31.1	20.6
393992 2005 UW_{433}	17.2	X	329.31687	218.50020	57.94888	7.09275	0.1232087	0.28631183	2.2798688	21	4 24.8	19.6
393993 2005 UA_{437}	16.1	X	137.46486	333.83185	212.10152	9.45006	0.0522852	0.17625406	3.1504792	21	8 26.4	20.9
393994 2005 UV_{440}	16.1	X	22.35100	137.16618	211.58121	10.73973	0.2260875	0.18515912	3.0486388	21	11 23.5	19.7
393995 2005 UG_{449}	15.3	X	346.96068	330.38473	33.15743	13.28998	0.1455505	0.17949031	3.1124953	21	10 4.4	18.9
393996 2005 UC_{455}	15.4	X	300.44756	166.16789	217.02208	27.05664	0.1368177	0.17862854	3.1224979	21	7 30.6	20.1
393997 2005 UH_{469}	17.5	X	105.67627	239.35581	259.27990	5.63322	0.0774640	0.28463983	2.2887882	21	5 21.1	20.2
393998 2005 UN_{494}	15.5	X	342.44564	275.82850	89.66338	11.72225	0.1172267	0.17942234	3.1132814	21	10 1.9	19.4
393999 2005 UY_{511}	18.3	X	101.22346	97.13711	10.99377	1.49986	0.1497790	0.27593734	2.3366611	21	4 13.7	21.1
394000 2005 UG_{512}	18.1	X	337.90576	261.60638	82.19707	2.97907	0.2483702	0.30258114	2.1973951	21	8 28.9	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394001 2005 UV_{516}	17.0	X	350.36407	183.22333	173.46150	6.56056	0.0755243	0.18301179	3.0724395	21	9 26.9	20.8
394002 2005 UT_{522}	17.1	X	129.18043	123.60199	106.23147	2.81946	0.0515945	0.18605572	3.0388367	21	10 15.6	21.5
394003 2005 UD_{523}	16.3	X	44.49050	111.58132	191.29174	10.31003	0.0581660	0.18515184	3.0487188	21	10 3.4	20.2
394004 2005 UD_{530}	15.7	X	335.01341	303.35044	45.95540	27.38944	0.1515651	0.17663015	3.1460055	21	9 7.0	20.0
394005 2005 VF_{1}	17.7	X	106.90039	280.90141	173.42226	4.15106	0.0926964	0.27852677	2.3221562	21	3 24.2	20.4
394006 2005 VK_{4}	15.0	X	348.30769	76.71579	267.17159	17.27106	0.2631982	0.17990179	3.1077475	21	8 25.6	18.2
394007 2005 VF_{16}	15.7	X	291.11973	179.80303	233.79684	16.49327	0.1990030	0.17800162	3.1298252	21	8 17.7	20.2
394008 2005 VL_{33}	15.9	X	13.50189	159.28453	190.41263	17.65193	0.1640260	0.18355933	3.0663266	21	11 2.4	19.6
394009 2005 VV_{44}	15.6	X	110.97835	344.48315	223.07631	15.85817	0.1432575	0.17229652	3.1985395	21	8 29.7	20.8
394010 2005 VE_{54}	16.6	X	70.25586	84.74241	208.41398	9.65203	0.2626580	0.18600324	3.0394083	21	11 20.1	21.3
394011 2005 VW_{55}	15.5	X	60.77166	32.91946	241.29641	8.65733	0.0730401	0.17861673	3.1226354	21	9 16.0	19.9
394012 2005 VA_{59}	15.4	X	265.64551	168.68754	239.16451	20.40393	0.1083902	0.17421637	3.1749976	21	7 21.5	20.4
394013 2005 VY_{59}	17.9	X	316.48830	297.15251	62.16466	6.19286	0.2463225	0.30301859	2.1952797	21	7 22.7	19.4
394014 2005 VG_{65}	16.2	X	215.70440	6.79030	87.70303	3.83233	0.0629645	0.17110718	3.2133440	21	8 4.0	20.9
394015 2005 VH_{76}	17.8	X	348.18001	49.62946	286.75950	5.65876	0.2306028	0.30554235	2.1831744	21	9 12.2	18.9
394016 2005 VO_{80}	17.3	X	274.32506	288.78587	78.00584	7.05507	0.1883494	0.29541450	2.2327915	21	6 1.4	20.2
394017 2005 VO_{101}	15.0	X	81.63000	26.17300	227.89374	27.27931	0.1486663	0.17573703	3.1566555	21	9 25.1	20.0
394018 2005 VU_{103}	17.9	X	355.89514	258.70593	83.32694	4.71400	0.2284807	0.30529450	2.1843559	21	10 23.7	19.1
394019 2005 VE_{110}	15.9	X	150.26472	316.13897	219.30664	12.04500	0.0270113	0.17382674	3.1797403	21	8 25.3	20.7
394020 2005 VD_{119}	16.2	X	12.52577	207.64777	128.76895	4.56747	0.2358876	0.18231212	3.0802953	21	10 23.1	19.5
394021 2005 VZ_{125}	16.8	X	61.83281	124.03734	194.74678	5.18203	0.1916315	0.19273546	2.9682123	21	12 3.9	21.1
394022 2005 VP_{131}	16.8	X	113.73838	50.59695	144.86433	8.98558	0.0078032	0.17386118	3.1793205	21	8 8.2	21.2
394023 2005 WW_{9}	18.0	X	168.85534	13.91517	38.33321	0.25423	0.1108430	0.27952102	2.3166463	21	4 14.8	21.3
394024 2005 WY_{10}	16.2	X	18.25392	73.04736	237.58710	8.42405	0.0345672	0.17406284	3.1768643	21	8 31.1	20.7
394025 2005 WU_{12}	15.6	X	328.61354	117.77186	245.22673	14.01568	0.0570286	0.17337447	3.1852678	21	8 25.8	20.1
394026 2005 WZ_{12}	16.2	X	7.26291	276.05998	69.05819	1.67489	0.1911605	0.18002980	3.1062742	21	10 17.2	19.5
394027 2005 WG_{15}	15.7	X	296.67240	307.63854	64.97333	14.48044	0.1165141	0.17018529	3.2249380	21	7 25.3	20.2
394028 2005 WE_{20}	17.7	X	247.28780	70.00613	305.68120	2.12184	0.1669959	0.28980026	2.2615362	21	5 15.3	21.1
394029 2005 WQ_{22}	17.3	X	167.22097	159.26335	261.14813	5.22156	0.1264814	0.28154366	2.3055377	21	4 23.1	20.7
394030 2005 WQ_{26}	17.8	X	95.88102	77.80019	6.98214	1.29218	0.1514117	0.27161594	2.3613800	21	3 5.1	20.4
394031 2005 WS_{29}	17.8	X	90.03338	81.62050	5.96614	1.59974	0.1533939	0.27093142	2.3653558	21	2 28.3	20.1
394032 2005 WQ_{39}	17.5	X	275.48435	299.83850	74.82039	5.45714	0.1257467	0.29326238	2.2437018	21	6 24.2	20.2
394033 2005 WU_{52}	16.2	X	311.31127	130.27672	231.50495	4.32040	0.0626153	0.17072726	3.2181093	21	8 4.2	20.5
394034 2005 WU_{59}	15.7	X	345.94898	197.85417	179.41727	17.96492	0.3233721	0.18262128	3.0768180	21	10 26.8	18.1
394035 2005 WL_{60}	15.1	X	325.05686	275.04950	94.68857	16.30157	0.0919520	0.17513931	3.1638335	21	9 10.5	19.4
394036 2005 WA_{69}	17.7	X	346.05800	255.98303	74.01544	6.42213	0.2222894	0.30009628	2.2095083	21	8 31.1	18.8
394037 2005 WP_{76}	15.6	X	288.62405	327.80031	63.99735	16.92716	0.1018361	0.17053318	3.2205506	21	8 13.8	20.3
394038 2005 WE_{86}	15.9	X	344.91838	129.50265	243.35763	15.55281	0.1716274	0.17980608	3.1088502	21	10 4.1	19.6
394039 2005 WP_{98}	15.9	X	120.89169	34.55593	217.45368	15.10566	0.1045363	0.18575329	3.0421342	21	11 4.9	20.5
394040 2005 WD_{100}	15.4	X	339.93321	246.52666	71.33575	11.68590	0.0800594	0.16904547	3.2394183	21	7 21.6	19.7
394041 2005 WY_{101}	17.2	X	99.19117	348.36452	82.98480	6.00039	0.2041630	0.27043372	2.3682569	21	3 3.3	19.9
394042 2005 WX_{102}	17.6	X	230.30334	272.85844	103.17925	3.55861	0.1815730	0.28717129	2.2753177	21	4 29.9	21.1
394043 2005 WS_{112}	15.2	X	328.74356	252.74864	111.33896	22.58979	0.1281008	0.17790599	3.1309467	21	9 5.2	19.3
394044 2005 WO_{117}	15.6	X	287.08450	331.24775	53.03563	23.04911	0.1027635	0.17050394	3.2209188	21	8 1.9	20.5
394045 2005 WS_{118}	15.7	X	295.80357	124.51775	258.60631	8.82991	0.0807260	0.17088576	3.2161192	21	8 6.1	20.1
394046 2005 WX_{119}	15.3	X	9.53796	83.86407	241.40247	16.42569	0.1111319	0.17726582	3.1384802	21	9 8.6	19.6
394047 2005 WC_{141}	16.2	X	11.40750	120.85333	216.17378	9.51589	0.0826114	0.18163804	3.0879115	21	9 30.9	20.3
394048 2005 WV_{146}	17.7	X	128.13981	19.48562	60.66299	8.03909	0.1043583	0.27658801	2.3329950	21	4 7.6	20.7
394049 2005 WE_{148}	17.1	X	59.84140	49.32659	77.97333	6.97501	0.1305151	0.27012144	2.3700819	21	3 5.9	19.5
394050 2005 WQ_{163}	18.0	X	151.58950	15.70290	21.93330	1.56909	0.1874728	0.27522699	2.3406799	21	3 15.8	21.5
394051 2005 WR_{163}	18.5	X	95.59121	83.20480	23.12620	1.52403	0.1484879	0.27400595	2.3476286	21	4 3.3	21.2
394052 2005 WU_{186}	15.9	X	346.75686	286.04505	44.05160	11.38355	0.0916082	0.17344298	3.1844289	21	8 21.6	20.1
394053 2005 WT_{187}	17.4	X	304.57304	259.10288	68.89468	6.97610	0.1452212	0.28860626	2.2677694	21	5 26.3	19.5
394054 2005 WL_{188}	18.3	X	36.37222	144.68172	11.72099	2.77536	0.1541980	0.26808712	2.3820566	21	3 1.4	20.2
394055 2005 WU_{191}	17.1	X	126.17410	330.94745	100.32464	7.92038	0.1505274	0.27540409	2.3396764	21	3 31.6	20.3
394056 2005 WW_{200}	16.1	X	16.95940	256.42447	84.65628	10.98439	0.1746992	0.17910416	3.1169674	21	10 30.8	19.9
394057 2005 WD_{209}	17.1	X	201.36578	115.04420	276.66596	4.56393	0.1678495	0.28130267	2.3068542	21	4 20.5	20.8
394058 2005 XF	16.5	X	2.06676	121.84659	231.36229	6.83263	0.1787899	0.18254391	3.0776872	21	10 15.4	19.9
394059 2005 XB_{5}	17.5	X	210.59816	319.44166	50.05951	4.26651	0.2424005	0.28152022	2.3056656	21	4 3.4	21.5
394060 2005 XB_{8}	15.4	X	9.72103	252.43626	75.64457	16.87724	0.1144840	0.17570404	3.1570507	21	9 30.7	19.6
394061 2005 XG_{28}	17.8	X	176.02502	288.34657	130.33586	5.34018	0.1749046	0.28321684	2.2964483	21	5 5.9	21.5
394062 2005 XO_{51}	16.2	X	310.97522	315.81490	65.37445	8.52850	0.1608846	0.17046419	3.2214194	21	8 22.7	20.3
394063 2005 XP_{54}	17.6	X	324.47059	22.90554	274.29243	2.89164	0.0988340	0.28784607	2.2717603	21	5 19.9	19.8
394064 2005 XS_{54}	17.3	X	56.28885	271.16610	66.84636	11.51572	0.3623776	0.18999978	2.9966359	21	—	—
394065 2005 XW_{60}	15.8	X	83.82903	108.13279	73.09939	15.33942	0.0980579	0.15846010	3.3821233	21	6 26.0	20.6
394066 2005 XU_{77}	15.1	X	353.27949	283.20699	98.77133	19.28577	0.4860891	0.18101512	3.0949917	21	12 22.2	16.9
394067 2005 YH_{80}	18.2	X	44.08524	192.55335	326.57290	2.07486	0.0568226	0.26995325	2.3710662	21	3 14.8	20.9
394068 2005 YZ_{111}	17.6	X	185.36117	309.09845	103.88404	5.98845	0.1470876	0.28018968	2.3129592	21	5 6.8	21.1
394069 2005 YT_{121}	18.0	X	247.42835	305.64251	76.06893	1.24025	0.2307528	0.28789638	2.2714956	21	5 18.7	21.4
394070 2005 YW_{146}	17.5	X	264.64228	267.06705	76.11787	4.61513	0.1772433	0.28245412	2.3005805	21	4 22.1	20.8
394071 2005 YB_{153}	17.2	X	26.68592	83.17530	94.72934	9.64329	0.1395893	0.26875482	2.3781096	21	3 19.8	19.5
394072 2005 YY_{161}	16.1	X	23.70649	231.03478	122.39244	18.58451	0.3234930	0.18022736	3.1040037	21	12 17.3	20.1
394073 2005 YN_{168}	18.3	X	76.27048	245.90500	210.27259	1.48022	0.1718240	0.26622432	2.3931554	21	2 19.5	20.5
394074 2005 YP_{176}	17.7	X	351.48844	79.53928	103.23544	9.02166	0.1923554	0.26187907	2.4195552	21	1 7.4	20.1
394075 2005 YZ_{187}	16.9	X	313.32485	152.32109	111.50750	11.86119	0.1258127	0.27139886	2.3626390	21	3 17.9	20.0
394076 2005 YN_{200}	17.7	X	74.74069	20.40473	98.88781	4.50690	0.0610526	0.26899380	2.3767009	21	3 10.0	20.4
394077 2005 YC_{203}	18.4	X	58.56839	342.57052	149.28444	1.44375	0.1285768	0.26806997	2.3821582	21	3 6.5	20.7
394078 2005 YF_{231}	18.2	X	64.54868	33.63605	65.96082	2.33042	0.1498138	0.26693760	2.3888903	21	1 31.7	20.3
394079 2005 YT_{271}	17.5	X	72.42441	319.02564	133.87442	7.41284	0.1986839	0.26208739	2.4182728	21	2 13.8	19.6
394080 2005 YL_{277}	17.1	X	187.60390	321.24279	83.46142	6.26696	0.1641308	0.28081721	2.3095120	21	4 28.5	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394081 2006 AS_{30}	15.7	X	14.27268	239.46423	116.50554	16.00680	0.2335354	0.17442794	3.1724297	21	11 22.3	19.6
394082 2006 AX_{58}	18.1	X	39.79583	55.79979	102.99815	2.34184	0.0742394	0.26887694	2.3773895	21	3 10.1	20.5
394083 2006 AZ_{92}	17.7	X	335.13316	256.79551	318.03826	3.71262	0.1663618	0.26371467	2.4083144	21	1 30.4	20.4
394084 2006 BO_{5}	17.5	X	93.22068	251.69159	136.17982	21.55977	0.1225318	0.38525510	1.8705549	21	—	—
394085 2006 BY_{9}	17.6	X	73.81725	31.56228	78.59264	3.58982	0.1331495	0.26461906	2.4028240	21	3 5.4	20.1
394086 2006 BP_{12}	17.2	X	318.45599	250.07509	327.51017	5.24604	0.0710904	0.25848806	2.4406700	21	1 27.5	20.1
394087 2006 BU_{28}	18.0	X	16.19512	204.18804	296.80783	2.90912	0.1706785	0.25933280	2.4353670	21	—	—
394088 2006 BP_{34}	17.5	X	285.65564	258.67879	16.24217	1.80678	0.1644807	0.26637190	2.3922714	21	2 16.9	20.7
394089 2006 BF_{36}	15.6	X	162.36989	317.16583	110.21423	6.80628	0.0786806	0.14699826	3.5557229	21	5 7.4	21.0
394090 2006 BK_{41}	16.8	X	240.27247	140.25816	158.67058	6.68391	0.1275917	0.25756867	2.4464745	21	2 3.9	20.6
394091 2006 BT_{44}	17.7	X	50.09866	4.60801	147.00927	5.99399	0.0362973	0.26377996	2.4079170	21	3 15.6	20.5
394092 2006 BH_{46}	17.1	X	80.53855	331.85976	145.67885	12.00410	0.0962872	0.26561733	2.3967999	21	3 22.9	19.8
394093 2006 BQ_{48}	17.9	X	354.26829	87.71025	86.50130	2.30803	0.1322015	0.26080457	2.4261962	21	1 9.9	20.5
394094 2006 BA_{64}	17.8	X	26.11370	55.33950	73.75149	6.82884	0.2393542	0.25918997	2.4362616	21	—	—
394095 2006 BX_{66}	17.7	X	351.06202	68.12875	85.84503	1.98100	0.1866712	0.25654817	2.4529579	21	—	—
394096 2006 BD_{74}	17.2	X	158.27946	306.03335	102.53207	5.79250	0.1047472	0.27026993	2.3692137	21	4 1.7	20.6
394097 2006 BU_{74}	18.0	X	51.96518	44.13093	80.95965	3.30950	0.1552252	0.26339485	2.4102635	21	2 16.0	20.0
394098 2006 BK_{107}	17.4	X	295.24389	318.57338	320.00425	4.91254	0.1197080	0.26914006	2.3758398	21	3 8.1	20.4
394099 2006 BZ_{110}	17.7	X	5.21794	117.09844	63.67810	2.56518	0.1216871	0.26261571	2.4150284	21	2 8.4	20.1
394100 2006 BS_{111}	17.7	X	289.51600	252.41083	332.56311	6.02494	0.1328528	0.25585500	2.4573864	21	—	—
394101 2006 BY_{113}	17.5	X	75.71049	317.66943	117.13328	3.12514	0.1675032	0.26121407	2.4236599	21	1 19.5	19.6
394102 2006 BC_{136}	17.2	X	124.00524	131.09702	268.68583	6.43915	0.1184998	0.26789373	2.3832029	21	2 4.2	20.3
394103 2006 BP_{137}	18.2	X	73.67772	246.67089	209.10119	1.54639	0.1582442	0.26254093	2.4154870	21	2 13.2	20.6
394104 2006 BR_{158}	17.6	X	17.97822	50.07723	77.59075	23.81359	0.0828234	0.38707198	1.8646968	21	—	—
394105 2006 BT_{178}	18.1	X	61.18404	358.06556	120.45652	3.05294	0.1232313	0.26426191	2.4049885	21	2 20.5	20.4
394106 2006 BW_{185}	18.6	X	13.64639	322.93337	177.77945	2.12155	0.1619615	0.25784171	2.4447470	21	—	—
394107 2006 BV_{194}	18.0	X	323.65564	49.26162	183.39939	3.44445	0.1267769	0.26283542	2.4136824	21	2 12.5	21.0
394108 2006 CY_{5}	18.0	X	116.41674	262.49547	170.07524	2.38521	0.1617233	0.26740228	2.3861220	21	3 19.4	20.9
394109 2006 CD_{7}	17.6	X	164.51459	227.94264	172.66037	2.85159	0.1511959	0.27060683	2.3672469	21	3 30.0	21.0
394110 2006 CX_{41}	17.5	X	121.20802	275.86647	168.66483	7.72925	0.1518141	0.26744230	2.3858840	21	4 10.8	20.6
394111 2006 CV_{56}	17.3	X	15.60924	37.64529	103.27228	21.71091	0.0886413	0.38388511	1.8750026	21	—	—
394112 2006 DD_{4}	17.6	X	17.87782	310.16467	159.43944	22.87900	0.1019787	0.38038285	1.8864940	21	—	—
394113 2006 DE_{5}	17.4	X	246.45898	191.00746	152.33522	2.62962	0.1404086	0.26917899	2.3756107	21	4 6.8	20.7
394114 2006 DD_{16}	18.2	X	28.07168	44.17997	104.07128	3.45668	0.1267521	0.26103886	2.4247443	21	2 2.4	20.5
394115 2006 DQ_{25}	18.6	X	66.20174	299.48577	147.27637	1.73017	0.1667532	0.25862705	2.4397955	21	1 18.9	20.6
394116 2006 DB_{170}	16.8	X	193.21086	251.68926	8.56401	12.79742	0.1682949	0.23930760	2.5694000	21	—	—
394117 2006 DG_{184}	17.4	X	68.91805	320.59130	119.61692	3.63671	0.1816350	0.25574105	2.4581163	21	1 17.5	19.3
394118 2006 DC_{191}	17.6	X	170.48694	192.85713	171.15162	20.43233	0.0795035	0.38471979	1.8722896	21	1 16.7	19.9
394119 2006 EV_{15}	15.0	X	297.61690	223.79350	11.15114	6.95947	0.1573198	0.12487416	3.9641887	21	2 6.9	20.6
394120 2006 EB_{25}	18.4	X	24.38955	325.64378	161.89063	2.50286	0.1482608	0.25693964	2.4504658	21	—	—
394121 2006 EQ_{48}	17.4	X	209.91480	280.06592	86.86671	3.14403	0.1889019	0.26826923	2.3809785	21	4 1.2	21.2
394122 2006 FT_{13}	18.0	X	341.89461	69.20652	106.34856	1.75043	0.1542922	0.25218987	2.4811382	21	—	—
394123 2006 FA_{16}	17.9	X	237.99989	37.36714	188.16670	4.52250	0.1554498	0.24140471	2.5544980	21	—	—
394124 2006 FN_{28}	17.2	X	266.03389	215.55466	29.42823	14.55287	0.0473583	0.24769319	2.5110769	21	1 3.8	21.0
394125 2006 GZ_{25}	15.4	X	329.99828	185.88618	51.76623	3.55854	0.1726846	0.12731580	3.9133423	21	3 20.1	20.3
394126 2006 GR_{41}	17.6	X	0.50955	83.63922	46.45769	23.87473	0.1036141	0.37723874	1.8969615	21	—	—
394127 2006 GW_{54}	17.2	X	54.58223	279.18464	193.41413	6.06115	0.0992221	0.25541891	2.4601826	21	1 28.9	19.8
394128 2006 HR_{33}	16.6	X	66.70159	16.78173	37.97279	12.08199	0.0570823	0.24305887	2.5428948	21	—	—
394129 2006 HJ_{48}	16.9	X	8.71462	261.51502	201.02826	12.47662	0.0835069	0.24223833	2.5486340	21	—	—
394130 2006 HY_{51}	17.1	X	209.45822	341.95539	40.60964	33.52260	0.9685139	0.23664101	2.5886661	21	4 19.8	24.0
394131 2006 HV_{62}	15.4	X	324.68122	149.57497	76.23745	3.95267	0.0909499	0.12382487	3.9865522	21	3 9.8	20.7
394132 2006 HT_{75}	17.7	X	221.61189	192.12738	116.44851	9.76084	0.1241936	0.24643773	2.5195979	21	1 31.9	21.6
394133 2006 HE_{152}	17.9	X	92.36549	325.63140	57.39442	22.30294	0.0777166	0.36847431	1.9269239	21	—	—
394134 2006 JA_{2}	17.3	X	262.50835	22.55484	214.82982	13.08169	0.1881205	0.24426991	2.5344831	21	—	—
394135 2006 JA_{14}	16.9	X	357.16907	172.76120	321.65336	0.91729	0.0241193	0.24313516	2.5423629	21	—	—
394136 2006 JA_{35}	17.5	X	154.60517	282.00000	44.11199	4.21978	0.2167384	0.23604031	2.5930562	21	—	—
394137 2006 JQ_{46}	16.3	X	208.35172	36.49254	230.17088	14.56706	0.0878542	0.22909173	2.6452280	21	—	—
394138 2006 KF_{23}	17.5	X	221.59834	68.66195	201.81219	11.39393	0.3447859	0.23827827	2.5767943	21	—	—
394139 2006 KW_{27}	17.4	X	247.73185	5.52123	234.36254	3.95569	0.0655809	0.24125937	2.5555238	21	—	—
394140 2006 KU_{30}	17.7	X	204.58289	27.64021	255.34507	1.74170	0.1443832	0.23900262	2.5715853	21	—	—
394141 2006 KV_{38}	16.7	X	218.90113	247.30198	62.21015	30.62316	0.4197815	0.23851112	2.5751170	21	2 6.9	22.4
394142 2006 KT_{55}	17.0	X	283.97589	66.65435	137.03397	14.13882	0.1244554	0.24110422	2.5566199	21	—	—
394143 2006 KO_{71}	17.3	X	322.84803	3.41106	152.45993	5.99363	0.1213150	0.24082991	2.5585609	21	—	—
394144 2006 KF_{74}	17.0	X	183.49992	128.98412	199.00676	10.84250	0.1727975	0.24018678	2.5631262	21	1 19.6	21.3
394145 2006 KG_{80}	17.3	X	169.84737	163.94903	164.70961	5.70517	0.1667952	0.23865082	2.5741120	21	1 9.5	21.3
394146 2006 KO_{85}	17.4	X	248.14738	123.67407	89.08226	23.00447	0.0660102	0.36663674	1.9333570	21	—	—
394147 2006 KZ_{92}	17.9	X	217.85383	49.16963	203.98218	2.96798	0.1853411	0.23706493	2.5855792	21	—	—
394148 2006 KT_{99}	16.5	X	240.23763	54.99856	233.53599	14.43567	0.1176831	0.24605670	2.5221984	21	1 20.6	20.7
394149 2006 KA_{104}	17.5	X	222.75683	233.36678	71.53128	5.20275	0.1202289	0.24589641	2.5232944	21	1 29.3	21.4
394150 2006 KW_{115}	17.8	X	275.20000	349.52843	207.70414	4.59762	0.1834392	0.24013711	2.5634796	21	—	—
394151 2006 LF_{1}	17.6	X	216.18621	114.79821	185.97390	12.37595	0.2656370	0.24080544	2.5587343	21	1 16.4	22.4
394152 2006 ON_{21}	16.3	X	74.39553	324.58497	35.10866	17.84868	0.2946461	0.21459632	2.7630445	21	—	—
394153 2006 PL_{14}	16.7	X	191.95216	187.47692	105.38403	14.08731	0.2123181	0.23182204	2.6244174	21	—	—
394154 2006 PH_{20}	16.6	X	149.44557	272.26967	53.04320	7.33357	0.2238323	0.22618426	2.6678483	21	—	—
394155 2006 QS	20.0	X	242.82910	142.99730	164.35332	4.59110	0.5114965	0.24224627	2.5485783	21	2 5.8	25.3
394156 2006 QX_{6}	17.3	X	214.47794	160.87230	148.42831	5.16723	0.2963376	0.23555917	2.5965859	21	1 27.3	22.0
394157 2006 QR_{16}	17.0	X	232.02975	139.90393	132.99295	5.60803	0.2732784	0.23572965	2.5953339	21	—	—
394158 2006 QZ_{20}	16.4	X	169.27281	179.88480	159.86346	14.65144	0.2571126	0.22929289	2.6436806	21	1 29.2	21.0
394159 2006 QJ_{38}	16.2	X	68.62830	183.62278	172.28192	13.43225	0.1585352	0.21480922	2.7612185	21	—	—
394160 2006 QD_{43}	16.2	X	68.39474	349.12658	16.93171	10.29028	0.2072857	0.21252951	2.7809290	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394161 2006 QF_{51}	16.8	X	51.52716	2.46623	11.28420	3.23963	0.2326382	0.21280360	2.7785405	21	—	—
394162 2006 QD_{58}	16.3	X	105.79014	324.34871	10.84302	11.81217	0.3773972	0.21584256	2.7523986	21	—	—
394163 2006 QN_{68}	17.0	X	358.68837	252.90442	154.71415	6.33415	0.0658050	0.21018557	2.8015655	21	12 17.9	20.6
394164 2006 QV_{85}	17.0	X	74.96065	209.31562	160.14119	3.90889	0.2046012	0.21683694	2.7439774	21	—	—
394165 2006 QW_{90}	16.9	X	182.34645	234.16748	98.07438	5.04119	0.2401785	0.23453983	2.6041039	21	1 31.1	21.3
394166 2006 QQ_{92}	16.7	X	162.90931	52.43120	246.14430	4.53550	0.2280573	0.22580805	2.6708107	21	—	—
394167 2006 QL_{95}	16.7	X	192.89267	171.95060	126.15444	6.60201	0.2271087	0.22972139	2.6403921	21	—	—
394168 2006 QT_{96}	16.7	X	218.79309	208.95614	73.16817	5.95252	0.3442593	0.23342687	2.6123748	21	—	—
394169 2006 QW_{104}	16.4	X	134.31745	67.75584	246.34237	12.27302	0.1762330	0.22193201	2.7018180	21	—	—
394170 2006 QZ_{113}	16.5	X	126.75433	138.99797	211.10387	9.41737	0.2587933	0.22003485	2.7173260	21	1 5.1	20.6
394171 2006 QK_{152}	17.1	X	80.88301	331.19418	342.53813	1.55288	0.0717113	0.21044886	2.7992283	21	12 6.4	21.0
394172 2006 QR_{156}	17.0	X	141.15128	319.49374	323.88061	3.48280	0.0432985	0.21536182	2.7564931	21	—	—
394173 2006 QR_{164}	16.6	X	182.89563	98.85419	202.41903	16.32200	0.2418450	0.22748574	2.6576632	21	—	—
394174 2006 QJ_{165}	16.6	X	96.12525	355.41036	310.33795	8.16962	0.1983039	0.21243572	2.7817474	21	12 25.0	21.1
394175 2006 QN_{185}	16.8	X	72.55151	342.42912	6.46170	1.39147	0.1150612	0.21294944	2.7772718	21	—	—
394176 2006 RS_{8}	17.1	X	199.12217	105.61261	203.99991	3.96097	0.2734992	0.23167764	2.6255077	21	1 17.1	21.8
394177 2006 RM_{10}	16.7	X	118.57864	108.56261	226.61971	3.01487	0.0899645	0.21906152	2.7253690	21	—	—
394178 2006 RU_{46}	17.1	X	65.34484	331.17910	19.09597	6.27910	0.1260769	0.20925333	2.8098802	21	—	—
394179 2006 RT_{54}	16.6	X	271.24626	219.65157	186.84797	9.84456	0.0711853	0.18792120	3.0186924	21	8 6.3	20.9
394180 2006 RT_{59}	17.0	X	111.46067	277.17750	24.53114	3.81419	0.0786493	0.20886600	2.8133529	21	12 25.9	21.2
394181 2006 RV_{61}	17.3	X	119.26313	143.55786	188.87398	11.25136	0.2043453	0.21915683	2.7245788	21	—	—
394182 2006 RO_{70}	15.7	X	229.08630	47.42158	359.58891	9.54458	0.0690366	0.18292977	3.0733578	21	6 18.9	20.4
394183 2006 RM_{76}	16.8	X	190.06797	235.87400	17.59275	7.54123	0.1770002	0.21836568	2.7311557	21	—	—
394184 2006 RJ_{92}	16.7	X	52.76859	13.36180	357.69500	3.91222	0.1145099	0.20965037	2.8063314	21	—	—
394185 2006 RN_{93}	16.8	X	136.94620	93.00075	204.15923	11.42484	0.1464875	0.21381249	2.7697931	21	—	—
394186 2006 RY_{98}	17.1	X	82.80372	341.73566	24.88831	1.98655	0.2623990	0.21483877	2.7609652	21	—	—
394187 2006 SM_{1}	17.2	X	134.36248	56.49250	236.36037	1.39035	0.1721224	0.21560653	2.7544070	21	—	—
394188 2006 SL_{7}	16.7	X	148.76884	282.60400	53.55576	8.91486	0.2603590	0.22535933	2.6743548	21	1 11.3	21.0
394189 2006 SM_{10}	16.8	X	160.72346	64.94667	211.13765	11.08733	0.1950967	0.22140959	2.7060663	21	—	—
394190 2006 ST_{36}	16.5	X	5.09687	162.70908	222.00496	5.94377	0.0922216	0.20267296	2.8703764	21	11 28.9	20.1
394191 2006 SY_{51}	16.3	X	164.30064	149.22545	143.25359	14.46568	0.1924521	0.22199976	2.7012682	21	—	—
394192 2006 SB_{55}	16.7	X	204.81027	264.03248	33.91888	11.94284	0.3077518	0.23008687	2.6375953	21	1 11.2	21.7
394193 2006 SX_{58}	16.9	X	72.01452	90.71909	261.14969	3.15344	0.1531373	0.21237756	2.7822552	21	—	—
394194 2006 SA_{60}	16.4	X	169.17330	266.52660	40.04064	12.95666	0.2709548	0.22450997	2.6810955	21	—	—
394195 2006 SV_{60}	16.4	X	175.40241	220.43893	106.90340	6.60972	0.2342963	0.22697253	2.6616678	21	1 20.1	20.8
394196 2006 SH_{66}	16.4	X	297.07145	203.87415	199.71069	1.29333	0.1039837	0.19400775	2.9552212	21	9 4.9	20.0
394197 2006 SZ_{69}	17.1	X	40.77023	316.72676	35.10402	2.34741	0.0789194	0.20327102	2.8647435	21	12 4.5	20.8
394198 2006 SY_{72}	16.7	X	336.62882	221.10245	188.89582	10.62826	0.1098183	0.19975619	2.8982503	21	11 18.7	20.2
394199 2006 SS_{84}	17.0	X	145.11231	310.61785	14.91611	5.14563	0.1617220	0.22091716	2.7100860	21	—	—
394200 2006 SF_{85}	16.9	X	232.21100	307.05297	180.15571	5.87646	0.0152253	0.19764371	2.9188653	21	10 11.2	21.0
394201 2006 SV_{91}	16.3	X	232.71499	59.56898	15.41783	6.32216	0.0538406	0.18464432	3.0543027	21	8 1.9	20.8
394202 2006 SY_{102}	17.5	X	183.05524	280.40723	0.75780	0.73469	0.2826740	0.22364480	2.6880057	21	—	—
394203 2006 SB_{104}	15.3	X	332.31747	69.16246	270.87125	16.67972	0.0881059	0.18943519	3.0025870	21	8 1.2	19.3
394204 2006 SM_{105}	17.7	X	209.03263	96.90931	193.33776	10.98387	0.2964729	0.22944261	2.6425305	21	1 2.3	22.7
394205 2006 SZ_{107}	16.8	X	155.55364	318.66162	356.62281	4.08499	0.2405438	0.22280610	2.6947470	21	—	—
394206 2006 SK_{167}	16.3	X	187.95652	107.99789	354.91699	12.63127	0.0121513	0.18569514	3.0427693	21	7 18.6	20.8
394207 2006 SN_{186}	16.8	X	168.69011	116.23405	208.54683	7.08146	0.3030308	0.22547162	2.6734668	21	1 14.7	21.6
394208 2006 SL_{188}	16.8	X	157.46599	100.33645	161.10606	4.38474	0.0643993	0.21104239	2.7939775	21	12 25.7	20.9
394209 2006 SC_{199}	17.0	X	307.12453	235.02666	202.79126	2.05785	0.0696015	0.20185235	2.8781506	21	11 9.5	20.7
394210 2006 SN_{221}	17.2	X	114.07657	119.42806	190.24614	2.03573	0.0950637	0.21354067	2.7721431	21	—	—
394211 2006 SW_{224}	16.2	X	40.90751	335.82581	12.31322	7.94135	0.0868778	0.20645511	2.8352126	21	11 30.4	20.1
394212 2006 SQ_{226}	16.5	X	129.28505	53.48603	243.63905	5.26290	0.0343609	0.21201636	2.7854143	21	—	—
394213 2006 SZ_{233}	17.0	X	127.51796	15.87894	294.49519	3.69734	0.1174763	0.21541956	2.7560005	21	—	—
394214 2006 SH_{244}	17.2	X	323.80477	358.02026	68.85132	3.10401	0.0476837	0.20348011	2.8627806	21	11 20.6	20.9
394215 2006 SY_{250}	17.1	X	30.63457	152.93849	207.85860	1.43973	0.0791939	0.20378966	2.8598809	21	12 2.9	20.7
394216 2006 SG_{262}	16.5	X	127.76954	100.70953	202.16173	13.30649	0.0962602	0.20995961	2.8035752	21	—	—
394217 2006 SF_{266}	16.2	X	218.25553	224.32613	232.68308	8.17212	0.0237935	0.18559872	3.0438230	21	8 10.1	20.7
394218 2006 SW_{269}	16.5	X	147.47774	335.72138	211.95572	9.88528	0.0095169	0.18761745	3.0219497	21	9 7.9	20.9
394219 2006 SM_{284}	16.2	X	169.45611	220.07938	97.36415	14.31105	0.1736440	0.22502828	2.6769771	21	—	—
394220 2006 SO_{293}	17.0	X	288.94374	241.50049	201.58058	8.64414	0.0806931	0.19960298	2.8997332	21	10 19.4	20.7
394221 2006 SH_{302}	17.3	X	83.84508	87.41280	272.82830	3.52226	0.1365990	0.21516312	2.7581898	21	—	—
394222 2006 SQ_{309}	17.0	X	121.17578	75.70642	241.54087	2.75417	0.0933524	0.21370474	2.7707241	21	—	—
394223 2006 ST_{311}	17.0	X	128.07970	101.26374	209.74155	7.60629	0.2069127	0.21595839	2.7514143	21	—	—
394224 2006 SF_{315}	17.1	X	137.63799	124.23113	162.28358	4.62088	0.0368689	0.20980055	2.8049920	21	—	—
394225 2006 SK_{325}	16.9	X	230.99610	286.59449	191.63541	4.56765	0.0573380	0.19269930	2.9685836	21	9 21.1	21.2
394226 2006 SH_{327}	16.6	X	96.26611	119.10722	177.17660	5.71627	0.0546887	0.20309943	2.8663567	21	11 30.7	20.8
394227 2006 SN_{327}	16.9	X	352.70907	353.40579	33.04009	12.58827	0.0702964	0.19934394	2.9022447	21	11 8.3	20.6
394228 2006 ST_{341}	16.4	X	89.44106	308.76667	42.24277	18.13811	0.2477951	0.21117848	2.7927771	21	—	—
394229 2006 SH_{348}	17.1	X	39.04084	338.69216	16.74768	1.99490	0.0794900	0.20314391	2.8659384	21	12 6.8	20.9
394230 2006 SW_{348}	16.4	X	212.77618	133.01878	20.92339	12.31376	0.0879848	0.19595237	2.9356371	21	10 12.4	20.8
394231 2006 SF_{358}	16.4	X	120.38167	54.88539	225.54367	8.28008	0.0775405	0.20258370	2.8712194	21	12 8.7	20.8
394232 2006 SK_{358}	16.5	X	23.10385	203.01099	202.84119	4.12940	0.0659368	0.21299501	2.7768757	21	—	—
394233 2006 SC_{359}	17.1	X	190.46893	146.95516	163.94612	7.26184	0.2830581	0.22766610	2.6562593	21	1 13.5	22.0
394234 2006 SA_{375}	16.8	X	296.78573	347.54601	80.49800	12.03446	0.0110274	0.19638874	2.9312869	21	10 23.5	21.0
394235 2006 SW_{393}	17.2	X	126.09002	301.19377	7.94405	4.18734	0.1982217	0.21197256	2.7857980	21	—	—
394236 2006 SS_{397}	16.6	X	343.22232	142.96452	209.46044	10.76753	0.0605606	0.19025497	2.9939557	21	9 7.5	20.6
394237 2006 SN_{404}	16.7	X	261.77298	49.02860	18.11727	4.91667	0.1294243	0.18520004	3.0481898	21	8 16.6	21.0
394238 2006 SQ_{404}	16.6	X	184.12874	81.42452	43.91452	24.16362	0.1963221	0.17860024	3.1228277	21	8 14.8	22.3
394239 2006 SA_{405}	16.4	X	48.35599	249.00302	45.61338	12.97010	0.1244044	0.19328588	2.9625746	21	10 12.8	20.4
394240 2006 SY_{405}	17.2	X	128.79278	150.18044	134.66075	2.60328	0.0755798	0.20854264	2.8162603	21	12 23.4	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394241 2006 SZ_{410}	16.9	X	130.03632	79.59191	187.10841	8.07928	0.1696277	0.20947165	2.8079275	21	12 6.9	21.6
394242 2006 TU_{13}	16.0	X	218.41442	26.87117	42.14319	20.10199	0.2928094	0.17987302	3.1080789	21	6 18.9	21.7
394243 2006 TG_{29}	16.6	X	312.11623	204.38560	205.19005	9.20140	0.0676657	0.19433109	2.9519423	21	10 9.2	20.4
394244 2006 TF_{38}	16.5	X	216.92073	220.49350	220.68154	3.88513	0.1040987	0.18014574	3.1049412	21	7 15.0	21.2
394245 2006 TW_{60}	15.9	X	301.99613	159.71979	206.61769	12.81717	0.0258476	0.18391362	3.0623873	21	7 30.9	20.4
394246 2006 TO_{69}	16.1	X	341.87770	315.84879	67.23456	15.36265	0.1482417	0.19778213	2.9175032	21	10 27.1	19.5
394247 2006 TQ_{77}	16.7	X	156.50863	98.71313	203.38518	8.65754	0.2065072	0.21722850	2.7406790	21	—	—
394248 2006 TN_{85}	16.1	X	109.69140	334.58741	240.22275	9.77339	0.0830790	0.18623438	3.0368930	21	9 2.1	20.8
394249 2006 TO_{104}	16.4	X	77.76869	276.00685	52.56871	9.79397	0.1419922	0.20501565	2.8484682	21	12 27.9	20.8
394250 2006 TN_{112}	16.8	X	179.18084	156.00035	118.87836	10.60189	0.2078987	0.21669923	2.7451398	21	—	—
394251 2006 TK_{120}	16.9	X	132.07399	93.19509	175.49807	15.05553	0.1352171	0.20578124	2.8413988	21	12 10.1	21.7
394252 2006 TV_{121}	16.0	X	224.21599	14.60164	56.64887	18.23812	0.1530109	0.17795329	3.1303918	21	7 7.4	21.2
394253 2006 TU_{124}	16.9	X	124.71951	82.00938	231.54290	12.44238	0.1447914	0.21248092	2.7813529	21	—	—
394254 2006 TR_{128}	16.8	X	68.18165	169.95769	206.84595	3.36854	0.1087582	0.21433380	2.7653001	21	—	—
394255 2006 UX_{21}	16.1	X	169.74151	272.25055	214.48004	13.62216	0.1103663	0.18084144	3.0969730	21	7 20.6	21.2
394256 2006 UV_{24}	16.2	X	211.71484	105.00970	22.40110	10.29786	0.0595988	0.18953053	3.0015800	21	9 13.7	20.6
394257 2006 UH_{39}	16.5	X	242.98870	228.69594	218.54365	9.77451	0.1063657	0.18601211	3.0393117	21	8 17.2	21.1
394258 2006 UX_{43}	16.8	X	31.06817	274.26910	53.33574	2.70632	0.0877928	0.19493797	2.9458124	21	10 22.5	20.7
394259 2006 UE_{48}	16.4	X	184.49659	337.02300	281.03429	6.75229	0.0988990	0.21742598	2.7390193	21	—	—
394260 2006 UH_{62}	16.2	X	289.85634	24.54923	50.28511	12.08950	0.0795139	0.19164173	2.9794950	21	10 13.1	20.2
394261 2006 UV_{70}	15.9	X	332.45960	172.46037	194.53859	11.29326	0.1695840	0.19089254	2.9872856	21	9 5.7	19.2
394262 2006 UW_{72}	16.3	X	319.62637	25.46454	0.40775	10.24625	0.1134170	0.19256322	2.9699821	21	9 16.8	19.8
394263 2006 UA_{95}	16.8	X	96.80503	179.85092	166.05599	4.60901	0.0782608	0.21086374	2.7955554	21	—	—
394264 2006 UZ_{104}	16.6	X	167.71698	193.57036	88.92976	5.53825	0.1823959	0.21299733	2.7768555	21	—	—
394265 2006 UY_{111}	16.2	X	78.55738	121.22472	214.94644	5.79775	0.0517084	0.21068087	2.7971729	21	12 28.6	20.2
394266 2006 UK_{114}	16.6	X	62.21954	225.99301	213.30834	5.68290	0.0126766	0.22193758	2.7017727	21	—	—
394267 2006 UR_{115}	16.3	X	158.70908	290.66000	202.98847	10.10764	0.2113057	0.17800048	3.1298385	21	7 22.3	21.8
394268 2006 UF_{118}	16.6	X	12.54693	319.47790	30.74419	13.58533	0.1573520	0.19783537	2.9169798	21	10 31.3	20.0
394269 2006 UP_{119}	16.8	X	1.54102	175.65824	179.41942	1.93023	0.0923076	0.19560755	2.9390861	21	10 14.5	20.2
394270 2006 UO_{120}	17.2	X	119.75761	249.07365	62.97759	4.36632	0.1753675	0.21211816	2.7845231	21	—	—
394271 2006 UY_{125}	16.2	X	1.68457	132.42836	232.58425	7.64037	0.1333503	0.19714575	2.9237783	21	10 30.3	19.6
394272 2006 UA_{133}	16.8	X	162.14722	295.47750	41.47548	8.55206	0.3359122	0.22534465	2.6744709	21	1 30.1	21.6
394273 2006 US_{135}	16.8	X	226.68070	49.90133	44.44198	8.60439	0.1452469	0.18342367	3.0678382	21	8 11.5	21.7
394274 2006 UW_{143}	15.5	X	359.54647	8.80620	7.19766	12.02029	0.1455432	0.19636643	2.9315089	21	11 7.9	19.0
394275 2006 UX_{188}	16.3	X	147.77368	78.01431	242.94032	13.02845	0.2145396	0.22043899	2.7140037	21	—	—
394276 2006 UG_{194}	16.5	X	234.44133	73.95932	36.29561	16.23801	0.0829020	0.18960574	3.0007862	21	9 20.0	21.1
394277 2006 UY_{217}	15.7	X	283.27857	185.98510	218.15819	14.63294	0.2706404	0.18549307	3.0449787	21	7 18.3	20.3
394278 2006 UU_{228}	16.3	X	105.82326	286.95287	54.45606	14.35508	0.2242492	0.21272791	2.7791996	21	—	—
394279 2006 UN_{248}	16.2	X	123.70884	133.27227	37.54502	7.63110	0.0920454	0.18049251	3.1009630	21	8 1.6	20.9
394280 2006 UD_{260}	16.8	X	74.65573	328.11510	358.93157	1.63110	0.0655940	0.20379582	2.8598233	21	12 13.6	21.2
394281 2006 UO_{276}	16.2	X	202.86565	277.16851	211.87824	9.67915	0.0496691	0.18948094	3.0021038	21	8 30.4	20.8
394282 2006 UE_{279}	16.9	X	239.01133	40.12387	61.71070	3.03003	0.0416992	0.18845391	3.0130010	21	9 13.9	21.1
394283 2006 UU_{280}	16.6	X	39.59147	136.41457	218.38659	8.65683	0.0197280	0.19938706	2.9018263	21	11 28.5	20.6
394284 2006 UF_{284}	17.0	X	76.47853	134.36677	227.42627	6.80015	0.2369323	0.21073572	2.7966875	21	—	—
394285 2006 UA_{285}	17.2	X	112.12151	97.50663	224.56429	3.39623	0.2004181	0.21187477	2.7866551	21	—	—
394286 2006 UW_{325}	16.3	X	72.22650	95.81398	231.68749	11.15940	0.0541859	0.19887932	2.9067630	21	12 9.1	20.5
394287 2006 UZ_{336}	16.2	X	327.90632	153.81283	199.90052	8.34767	0.0334786	0.18318945	3.0704527	21	8 19.3	20.5
394288 2006 VY_{16}	16.5	X	238.12424	239.73854	243.37860	8.17626	0.0807911	0.19090425	2.9871634	21	9 29.8	21.0
394289 2006 VJ_{21}	17.3	X	97.71854	127.22648	217.64301	5.99019	0.1558826	0.21745037	2.7388144	21	—	—
394290 2006 VF_{28}	16.2	X	222.10170	73.23230	342.27394	3.16369	0.0746800	0.17494223	3.1662093	21	6 21.7	21.0
394291 2006 VW_{29}	16.2	X	197.47423	172.42034	301.04272	2.10876	0.0552430	0.17927807	3.1149514	21	8 6.9	20.7
394292 2006 VM_{34}	16.3	X	201.49912	46.28630	49.17943	14.67970	0.2614205	0.17581351	3.1557400	21	7 13.1	22.0
394293 2006 VJ_{35}	16.4	X	98.42002	273.18159	53.78937	8.84309	0.1021937	0.20635774	2.8361044	21	—	—
394294 2006 VB_{41}	16.7	X	164.67193	337.76723	170.71327	0.97466	0.1170257	0.17945512	3.1129022	21	8 14.8	21.4
394295 2006 VZ_{58}	16.2	X	338.77359	320.97417	70.45826	10.39332	0.0666172	0.19362728	2.9590912	21	10 29.1	20.0
394296 2006 VW_{70}	16.3	X	76.73267	270.42802	67.87829	15.52321	0.1702299	0.20350194	2.8625760	21	—	—
394297 2006 VD_{73}	16.0	X	348.78498	142.74750	246.80954	11.15866	0.0340831	0.19282835	2.9672591	21	11 4.2	20.0
394298 2006 VD_{83}	16.2	X	310.68247	170.28415	243.57691	8.39510	0.0473495	0.19300900	2.9654073	21	10 12.2	20.3
394299 2006 VF_{98}	16.2	X	182.52056	73.12641	55.68469	16.97486	0.2013868	0.17662581	3.1460572	21	8 13.4	21.8
394300 2006 VT_{110}	16.2	X	284.98903	24.07997	46.15838	12.77913	0.1249553	0.18818481	3.0158727	21	9 25.5	20.3
394301 2006 VA_{126}	16.6	X	307.10834	20.65456	23.31729	10.15411	0.1013317	0.19273663	2.9682003	21	9 24.2	20.3
394302 2006 VX_{131}	16.5	X	158.52112	348.84887	143.97834	1.45536	0.1255482	0.17444515	3.1722211	21	7 20.8	21.5
394303 2006 VJ_{134}	16.0	X	325.82914	343.43780	66.96991	12.77824	0.0782579	0.19351813	2.9602038	21	11 2.9	19.7
394304 2006 VR_{139}	16.7	X	254.84343	8.60616	71.09619	9.60476	0.0329283	0.18388621	3.0626917	21	9 10.0	21.1
394305 2006 VG_{146}	16.1	X	48.12463	298.83422	78.83383	15.59614	0.1587715	0.20523790	2.8464114	21	—	—
394306 2006 VL_{146}	16.1	X	210.37313	244.74368	201.24074	9.31469	0.0703499	0.17736459	3.1373148	21	7 15.2	20.9
394307 2006 VO_{153}	16.3	X	276.12387	216.62691	200.60115	16.99396	0.2234391	0.18708828	3.0276453	21	8 1.7	21.0
394308 2006 VY_{169}	16.2	X	134.79844	59.21500	84.18900	2.82042	0.1308449	0.17012702	3.2256743	21	7 11.0	21.2
394309 2006 WY_{5}	16.5	X	352.15886	278.52161	105.33385	4.35287	0.1220250	0.19513353	2.9438439	21	11 9.3	20.0
394310 2006 WA_{10}	15.7	X	222.30843	41.50031	66.80316	21.50524	0.1525933	0.18263281	3.0766884	21	8 30.3	20.9
394311 2006 WP_{12}	16.3	X	219.77371	1.71357	85.27953	11.02502	0.0817735	0.17820637	3.1274273	21	7 29.6	21.0
394312 2006 WC_{16}	16.7	X	241.95422	44.99934	34.62655	10.08209	0.0750038	0.18278834	3.0749429	21	8 18.7	21.3
394313 2006 WV_{16}	15.8	X	216.18846	82.90343	52.92353	16.15671	0.0606512	0.18794265	3.0184627	21	10 3.4	20.4
394314 2006 WS_{21}	16.0	X	340.43048	277.13829	85.06396	11.87734	0.1199040	0.18812560	3.0165055	21	9 25.4	19.8
394315 2006 WZ_{33}	16.2	X	292.45551	315.51033	76.75289	10.45729	0.0849656	0.18456961	3.0551269	21	8 20.9	20.4
394316 2006 WA_{52}	16.0	X	286.27744	21.07916	56.26471	8.35816	0.0621104	0.19013441	2.9952212	21	10 12.3	20.1
394317 2006 WS_{52}	16.1	X	272.02208	345.07203	57.93697	11.04877	0.0761270	0.18125180	3.0922967	21	8 8.2	20.6
394318 2006 WR_{73}	17.0	X	215.31501	202.11658	282.20476	1.69288	0.0515145	0.18607760	3.0385984	21	9 10.0	21.5
394319 2006 WM_{87}	16.5	X	175.92872	296.39242	194.06786	5.98780	0.2087050	0.17543195	3.1603142	21	8 2.0	22.0
394320 2006 WN_{97}	16.2	X	119.52850	274.53395	249.46707	4.04659	0.1155836	0.17273512	3.1931228	21	7 18.3	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394321 2006 WX_{102}	16.4	X	155.44886	78.41982	67.57344	2.26555	0.1239743	0.17489267	3.1668074	21	8 3.7	21.5
394322 2006 WB_{103}	16.0	X	310.89504	335.89051	65.39414	10.84850	0.0937384	0.18850036	3.0125060	21	9 30.0	20.0
394323 2006 WY_{103}	16.2	X	344.49409	127.24315	247.74901	8.74424	0.1120229	0.19080297	2.9882204	21	10 9.6	19.9
394324 2006 WC_{109}	16.2	X	53.95384	241.82720	78.31545	9.63857	0.0990455	0.19321105	2.9633395	21	11 15.1	20.3
394325 2006 WY_{116}	16.4	X	231.28173	62.80734	42.08225	19.31969	0.0874354	0.18471582	3.0535145	21	9 12.1	21.2
394326 2006 WL_{139}	16.0	X	328.19736	296.11543	72.86676	10.13158	0.1456304	0.18722074	3.0262171	21	9 10.3	19.7
394327 2006 WN_{164}	16.9	X	87.35420	190.24290	118.27687	3.25166	0.0907511	0.19989113	2.8969457	21	12 8.2	21.2
394328 2006 WJ_{166}	16.6	X	314.82522	332.42629	52.67065	2.53300	0.0221289	0.18605618	3.0388318	21	9 16.1	20.6
394329 2006 WJ_{174}	16.6	X	270.69941	334.63832	90.45428	6.57401	0.0321488	0.18382680	3.0633515	21	9 9.8	20.9
394330 2006 WM_{187}	16.8	X	148.11352	245.39085	100.43166	9.97795	0.3171389	0.22160729	2.7044567	21	1 27.5	21.3
394331 2006 WS_{187}	15.7	X	281.55566	194.97114	233.75074	21.81765	0.1110022	0.18751864	3.0230112	21	9 5.7	20.2
394332 2006 WG_{192}	15.9	X	307.73813	130.94138	246.79731	9.91789	0.0301059	0.18242173	3.0790613	21	8 20.9	20.3
394333 2006 WR_{192}	17.1	X	260.71253	218.73920	242.07522	0.38300	0.0950239	0.18817827	3.0159426	21	9 30.1	21.3
394334 2006 WV_{193}	16.1	X	281.39161	337.86693	91.09302	11.55321	0.0880674	0.18291944	3.0734735	21	9 23.7	20.5
394335 2006 WN_{199}	16.0	X	331.16668	290.59371	82.25380	11.60693	0.1219909	0.18715393	3.0269372	21	9 23.4	19.8
394336 2006 WN_{202}	16.0	X	166.73496	70.01630	77.26166	11.76934	0.0493168	0.17620976	3.1510073	21	8 18.9	20.8
394337 2006 WH_{205}	16.2	X	149.63464	101.73760	83.05143	5.72659	0.0264259	0.18407235	3.0606266	21	9 13.6	20.6
394338 2006 XR_{11}	15.9	X	198.78481	21.42087	50.83868	9.25574	0.0631585	0.17442848	3.1724232	21	6 16.8	20.7
394339 2006 XA_{15}	16.5	X	197.04025	220.17728	238.79207	3.80274	0.2090936	0.17340282	3.1849206	21	7 13.3	22.0
394340 2006 XC_{18}	16.0	X	277.95327	294.09730	95.93731	12.66939	0.1125499	0.17534878	3.1613134	21	7 21.3	20.4
394341 2006 XY_{69}	15.9	X	207.93418	343.59299	103.97491	11.91078	0.1272646	0.17223184	3.1993402	21	7 13.2	21.0
394342 2006 XZ_{70}	15.6	X	92.27303	135.80998	111.34025	12.52390	0.0509158	0.17912617	3.1167121	21	9 27.9	20.2
394343 2006 XV_{71}	16.2	X	263.93156	325.57895	89.04073	9.23776	0.1937689	0.17817485	3.1277962	21	7 24.3	20.9
394344 2006 YL	15.6	X	45.43603	204.55108	109.83320	16.42368	0.0574997	0.18445289	3.0564156	21	10 26.9	20.1
394345 2006 YH_{29}	15.6	X	68.99124	269.83210	308.12916	11.74446	0.0674204	0.16814095	3.2510256	21	7 20.6	20.1
394346 2006 YU_{38}	18.1	X	184.15595	140.85434	327.99465	4.03508	0.0749777	0.30540492	2.1838293	21	7 19.5	20.9
394347 2007 AD_{1}	18.5	X	153.46314	21.92288	119.56216	3.03223	0.1224686	0.30478949	2.1867681	21	7 29.8	21.5
394348 2007 AJ_{23}	15.4	X	203.57018	330.26491	125.66905	21.39974	0.0652571	0.17026337	3.2239520	21	7 22.1	20.3
394349 2007 AH_{28}	15.2	X	79.77120	149.00869	118.37044	29.17868	0.1591364	0.17854529	3.1234684	21	10 29.3	20.4
394350 2007 BF_{10}	16.1	X	309.77712	257.53579	87.17557	5.52069	0.0546894	0.16808508	3.2517459	21	7 13.8	20.6
394351 2007 BM_{11}	15.5	X	354.10834	231.06420	112.53499	15.75912	0.0393457	0.17825266	3.1268859	21	9 20.2	19.9
394352 2007 BN_{16}	17.2	X	213.44659	46.84354	50.07234	6.71678	0.0790852	0.30763206	2.1732765	21	8 10.5	20.0
394353 2007 BK_{37}	17.9	X	30.29956	121.54720	132.02380	1.54895	0.1387844	0.30099549	2.2051056	21	7 22.8	19.7
394354 2007 BL_{43}	17.9	X	137.29436	34.38130	124.34032	5.13485	0.0767788	0.30399719	2.1905660	21	8 1.4	20.7
394355 2007 BF_{44}	17.5	X	134.35629	6.01081	148.56392	3.44383	0.0689652	0.30077251	2.2061953	21	7 21.1	20.3
394356 2007 BB_{48}	18.1	X	207.98574	1.29060	63.84122	3.27201	0.1329951	0.30084647	2.2058337	21	6 12.6	21.3
394357 2007 BB_{57}	15.2	X	304.28051	286.37325	117.14359	10.78354	0.0885888	0.17886602	3.1197334	21	9 20.9	19.4
394358 2007 BY_{62}	16.0	X	313.23926	61.59599	303.75102	5.25637	0.0133093	0.17080959	3.2170753	21	8 17.2	20.4
394359 2007 BW_{68}	15.9	X	141.80734	40.56307	149.92077	19.24334	0.0786814	0.17113665	3.2129751	21	9 12.2	20.8
394360 2007 BZ_{79}	18.0	X	111.66133	216.82418	328.62714	2.68141	0.0695993	0.30308882	2.1949406	21	8 6.1	20.5
394361 2007 CO_{14}	17.8	X	181.61481	299.65622	150.66274	3.61660	0.1421775	0.30049454	2.2075556	21	6 19.5	21.0
394362 2007 CS_{23}	18.4	X	65.65224	237.02455	270.47905	1.93406	0.2592831	0.28634588	2.2796881	21	5 1.5	20.2
394363 2007 CP_{60}	17.0	X	139.25151	71.78734	55.59986	6.98316	0.1616263	0.29707295	2.2244739	21	6 27.0	20.2
394364 2007 DD_{1}	17.9	X	138.86690	114.51439	353.18674	7.09764	0.1024285	0.29126311	2.2539575	21	5 22.2	21.0
394365 2007 DG_{22}	17.8	X	89.46959	175.12219	341.77373	3.25785	0.1288222	0.29134482	2.2535361	21	6 1.5	20.4
394366 2007 DH_{25}	18.2	X	51.09067	243.61123	320.82484	3.24737	0.0287906	0.29272299	2.2464573	21	5 27.1	20.6
394367 2007 DW_{32}	17.9	X	25.91490	188.17447	353.55193	4.81906	0.1331241	0.28201799	2.3029518	21	3 14.8	19.9
394368 2007 DK_{33}	17.5	X	101.57603	169.76598	2.17659	5.93038	0.0359551	0.29504030	2.2346790	21	6 27.3	20.2
394369 2007 DG_{35}	18.5	X	56.00751	170.00161	348.32092	2.32144	0.1339166	0.28433300	2.2904345	21	4 7.8	20.4
394370 2007 DU_{36}	17.9	X	15.75887	238.24421	7.04044	3.04038	0.1498119	0.28869266	2.2673169	21	6 5.6	19.5
394371 2007 DK_{55}	17.2	X	72.53492	48.43092	161.80298	7.38528	0.0486475	0.29717794	2.2239499	21	7 12.1	19.8
394372 2007 DZ_{56}	18.0	X	299.63305	216.18940	148.19311	3.87404	0.1927374	0.30511812	2.1851976	21	7 4.4	20.2
394373 2007 DY_{67}	17.4	X	320.43128	318.01701	355.56280	6.54566	0.2100082	0.29301592	2.2449598	21	5 16.5	19.5
394374 2007 DD_{74}	18.5	X	115.11201	118.84781	349.37558	1.91867	0.1489670	0.28833301	2.2692019	21	4 30.9	21.3
394375 2007 DM_{76}	17.9	X	289.93293	220.27150	166.46343	6.77224	0.0452829	0.30538121	2.1839424	21	8 17.9	20.2
394376 2007 DD_{86}	18.0	X	137.51968	288.61264	181.46257	4.53954	0.0926335	0.29148142	2.2528320	21	5 25.9	21.0
394377 2007 DN_{89}	18.3	X	43.77247	264.85296	329.97259	1.84216	0.1679833	0.29472077	2.2362939	21	7 24.1	20.3
394378 2007 DG_{110}	17.9	X	33.59315	257.87631	352.04121	3.51102	0.1958439	0.29407582	2.2395624	21	8 3.4	19.7
394379 2007 DO_{111}	17.7	X	350.40864	295.26292	355.83117	7.32828	0.1513392	0.29415042	2.2391837	21	6 26.7	19.5
394380 2007 EU_{3}	17.8	X	344.72736	98.12828	174.01236	6.11369	0.1920568	0.28634129	2.2797124	21	5 7.6	19.5
394381 2007 EF_{5}	18.0	X	47.47283	68.56496	162.15030	5.95514	0.1285373	0.29563056	2.2317035	21	7 16.0	20.1
394382 2007 EU_{6}	17.9	X	8.35216	19.43814	171.15171	5.66166	0.1745477	0.28008153	2.3135545	21	2 15.4	19.7
394383 2007 EN_{34}	17.7	X	33.38360	183.82799	32.72321	4.88252	0.1809644	0.28738063	2.2742126	21	5 31.2	19.3
394384 2007 EX_{35}	18.2	X	18.19442	165.48341	81.03673	1.19492	0.1769989	0.29044745	2.2581754	21	6 16.1	19.3
394385 2007 EZ_{44}	18.1	X	120.22183	86.26653	12.04551	5.70955	0.1122144	0.28464057	2.2887842	21	4 18.2	20.8
394386 2007 ES_{45}	18.5	X	66.38457	349.86955	182.16323	3.84635	0.1485248	0.28584815	2.2823336	21	5 23.3	20.7
394387 2007 EB_{52}	17.4	X	32.03853	249.01433	332.21247	6.40064	0.0928142	0.28951521	2.2630203	21	5 25.9	19.8
394388 2007 EE_{60}	18.0	X	42.42334	70.43073	172.01833	5.97878	0.1932817	0.29185584	2.2509048	21	8 5.7	20.0
394389 2007 EP_{70}	18.0	X	115.34594	107.57600	46.80142	3.24538	0.0932146	0.29315174	2.2442664	21	6 29.3	20.8
394390 2007 ES_{72}	18.1	X	27.68137	82.48322	171.55659	4.41669	0.1194554	0.29235420	2.2483461	21	7 14.4	20.2
394391 2007 EO_{82}	15.5	X	12.18051	226.81186	148.46982	26.69641	0.1067897	0.18584833	3.0410970	21	12 1.3	20.0
394392 2007 EP_{88}	18.5	X	358.09817	47.08007	328.53021	20.74715	0.8859030	1.28645064	0.8372863	21	4 4.6	19.9
394393 2007 EK_{92}	18.0	X	297.85572	358.20112	7.46564	4.22838	0.1508833	0.30515696	2.1850122	21	7 12.8	20.2
394394 2007 EZ_{93}	17.8	X	341.57982	170.56854	174.92435	6.21841	0.2280096	0.30359807	2.1924854	21	9 12.5	18.7
394395 2007 EH_{110}	17.9	X	121.01666	23.42292	122.47985	3.55452	0.0898050	0.29174995	2.2514494	21	6 23.9	20.8
394396 2007 EK_{111}	17.8	X	110.86436	23.17894	102.94562	2.52073	0.1599379	0.28769956	2.2725316	21	5 23.7	20.7
394397 2007 EN_{132}	18.5	X	352.82921	108.20759	170.24867	2.63545	0.1541542	0.28991180	2.2609561	21	6 9.7	20.1
394398 2007 EZ_{135}	18.0	X	33.62753	71.82109	176.37187	5.38841	0.1183572	0.29330013	2.2435093	21	7 16.2	20.0
394399 2007 EY_{177}	17.6	X	260.57629	126.54604	221.97833	5.99280	0.1342739	0.28504713	2.2866074	21	4 27.4	20.5
394400 2007 ER_{197}	18.1	X	288.74379	58.44285	235.66016	1.51380	0.2131312	0.27665637	2.3326107	21	3 8.4	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394401 2007 FG_{27}	18.4	X	107.99206	248.04154	242.81454	0.88577	0.2023313	0.29106030	2.2550044	21	6 1.2	21.3
394402 2007 GF_{21}	17.5	X	56.93360	83.99181	52.62864	3.35518	0.1277521	0.27523062	2.3406594	21	3 10.7	19.6
394403 2007 GT_{22}	17.6	X	292.73773	126.65113	204.64802	6.28936	0.1449506	0.28369890	2.2938462	21	5 14.2	20.4
394404 2007 GJ_{23}	17.8	X	25.55259	195.28984	38.89832	8.07687	0.0776832	0.28473013	2.2883042	21	6 3.3	20.2
394405 2007 GZ_{34}	18.4	X	20.59030	204.32209	36.67100	2.60211	0.1793559	0.28784113	2.2717863	21	6 12.3	19.9
394406 2007 GM_{39}	17.8	X	352.65675	336.38387	206.29732	5.30193	0.1471556	0.27131474	2.3631273	21	1 12.5	20.5
394407 2007 GS_{41}	18.3	X	342.17719	258.70338	33.25865	5.04379	0.1913450	0.28501180	2.2867963	21	6 2.3	20.0
394408 2007 GZ_{47}	17.4	X	354.95993	170.99803	57.01217	6.71371	0.1445193	0.27738619	2.3285174	21	3 28.5	19.6
394409 2007 GV_{48}	18.2	X	354.54012	32.64919	191.41459	4.36878	0.1318740	0.27673435	2.3321725	21	3 18.9	20.3
394410 2007 GO_{57}	17.7	X	130.51271	31.58228	70.15040	6.33218	0.0878143	0.28364405	2.2941418	21	5 5.5	20.7
394411 2007 GN_{58}	18.4	X	56.98201	25.12716	192.38597	4.27801	0.1189978	0.29268593	2.2466469	21	7 10.3	20.7
394412 2007 GF_{62}	17.2	X	30.19115	162.47999	11.35042	7.64669	0.0448074	0.27626644	2.3348050	21	3 14.8	19.8
394413 2007 GV_{62}	17.1	X	173.20574	196.93943	218.71576	17.82931	0.0532496	0.28032632	2.3122075	21	4 19.8	20.1
394414 2007 GJ_{67}	18.0	X	319.00380	71.83237	225.50952	6.09198	0.1902470	0.28056673	2.3108864	21	4 25.5	20.6
394415 2007 GU_{69}	17.5	X	330.07770	265.90674	17.57668	6.06989	0.1722506	0.28492549	2.2872582	21	4 25.8	19.8
394416 2007 HV_{20}	17.1	X	169.24812	338.83793	34.03130	6.79760	0.1174207	0.26972894	2.3723806	21	2 27.5	20.5
394417 2007 HD_{22}	17.2	X	208.80805	161.47628	197.55409	6.39047	0.1302833	0.27318808	2.3523118	21	3 18.2	20.6
394418 2007 HH_{58}	17.4	X	72.42949	53.54586	146.16879	6.87816	0.1230707	0.28986472	2.2612008	21	7 9.3	19.9
394419 2007 HB_{67}	17.1	X	196.99352	188.09227	130.86528	7.07831	0.1290290	0.26009532	2.4306048	21	1 18.0	20.7
394420 2007 HH_{69}	18.7	X	16.04228	61.96928	196.57906	7.99992	0.3082921	0.28493922	2.2871847	21	7 17.5	19.7
394421 2007 HT_{74}	17.5	X	341.72898	213.11606	68.04152	6.12038	0.1837159	0.28207580	2.3026371	21	5 16.5	19.1
394422 2007 JD_{9}	17.7	X	316.17689	35.55715	217.71999	1.65912	0.1798802	0.27314775	2.3525434	21	2 20.1	20.6
394423 2007 JT_{10}	17.5	X	241.42047	269.35052	38.76805	2.56640	0.2171024	0.26629081	2.3927570	21	2 13.6	21.5
394424 2007 JZ_{17}	17.2	X	272.17808	155.56304	137.77974	2.75795	0.2031120	0.26993964	2.3711459	21	2 21.8	20.9
394425 2007 JG_{19}	18.1	X	44.37384	21.40179	172.76513	4.73845	0.1505633	0.28348599	2.2949945	21	5 16.9	20.0
394426 2007 JY_{27}	17.4	X	5.19245	141.73809	57.25597	10.33891	0.0625150	0.27417841	2.3466440	21	3 15.4	20.2
394427 2007 JG_{32}	17.6	X	333.62711	53.80909	199.75326	3.88484	0.1807465	0.27621016	2.3351222	21	3 17.8	19.8
394428 2007 KA	17.2	X	22.56819	139.97643	81.86862	7.04636	0.0404772	0.27953361	2.3165768	21	5 11.9	19.7
394429 2007 LF_{7}	17.7	X	261.16081	170.13043	186.29664	5.11146	0.1552379	0.27956131	2.3164237	21	5 8.2	20.8
394430 2007 LF_{8}	17.2	X	187.37980	239.60468	135.15103	7.06252	0.1144379	0.26895805	2.3769115	21	3 20.1	20.7
394431 2007 MH_{7}	17.8	X	305.98507	196.73949	83.83685	5.98406	0.1427240	0.27439282	2.3454214	21	3 25.7	20.8
394432 2007 NC	17.2	X	242.55767	148.98778	205.73546	13.38080	0.2178481	0.26656635	2.3911079	21	4 11.2	21.1
394433 2007 PT_{1}	17.3	X	245.21299	173.59072	145.98232	2.74716	0.2205320	0.26149661	2.4219138	21	3 2.1	21.3
394434 2007 PE_{2}	17.6	X	290.23579	224.50041	71.47353	2.23334	0.1836346	0.26580756	2.3956562	21	3 19.5	20.8
394435 2007 PD_{4}	16.5	X	200.48531	261.29874	43.07264	14.63369	0.1962284	0.25172358	2.4842013	21	1 9.3	20.8
394436 2007 PN_{7}	17.4	X	251.20868	210.06340	121.71943	5.04904	0.2154768	0.26246985	2.4159230	21	3 24.3	21.3
394437 2007 PN_{9}	17.8	X	94.45622	229.47948	155.54456	4.62977	0.2623840	0.23869004	2.5738300	21	1 4.5	20.6
394438 2007 PJ_{35}	17.2	X	254.03582	5.73066	333.34316	3.64846	0.3128514	0.26263727	2.4148962	21	3 25.9	21.5
394439 2007 PH_{40}	17.8	X	248.33404	90.61087	223.51643	2.34882	0.2534984	0.25975817	2.4327076	21	2 23.3	22.1
394440 2007 PT_{40}	17.6	X	234.08527	352.84528	323.86511	2.34979	0.2414605	0.25726461	2.4484017	21	2 17.2	21.7
394441 2007 PH_{43}	17.4	X	227.59277	163.10485	162.32964	5.60835	0.1718725	0.25836321	2.4414562	21	2 23.7	21.4
394442 2007 PV_{46}	17.9	X	240.03343	264.68296	40.28140	2.13925	0.2040566	0.25374621	2.4709825	21	2 10.4	22.0
394443 2007 QC_{9}	17.6	X	249.30732	24.20802	285.43868	2.36227	0.2029970	0.25857257	2.4401381	21	2 21.5	21.6
394444 2007 RH_{8}	17.4	X	220.45757	107.77214	206.91316	9.28827	0.2422684	0.25393799	2.4697383	21	2 2.3	21.9
394445 2007 RY_{12}	16.6	X	129.04010	338.86067	339.48575	5.74805	0.1151917	0.23477736	2.6023472	21	—	—
394446 2007 RS_{21}	17.4	X	273.03664	353.07481	311.61834	4.01145	0.2351865	0.26375464	2.4080711	21	3 5.1	21.3
394447 2007 RG_{23}	17.0	X	266.31081	92.86839	183.99543	14.13068	0.1289357	0.25556062	2.4592731	21	1 31.8	20.9
394448 2007 RU_{31}	17.2	X	216.88901	161.23526	206.02753	9.67593	0.2699965	0.25961487	2.4336027	21	4 4.3	21.6
394449 2007 RH_{61}	17.8	X	227.48020	135.11449	185.97745	0.90796	0.2026549	0.25622476	2.4550216	21	2 18.0	21.8
394450 2007 RJ_{92}	17.4	X	337.16198	85.69754	5.13540	3.00877	0.1387123	0.22400445	2.6851277	21	—	—
394451 2007 RM_{93}	17.0	X	279.37279	183.32284	113.61110	3.77006	0.2143090	0.26061012	2.4274029	21	3 6.5	20.7
394452 2007 RH_{115}	17.0	X	20.27303	253.41733	192.39891	14.22685	0.1048219	0.23228704	2.6209137	21	—	—
394453 2007 RF_{127}	17.2	X	226.40587	214.95553	9.27874	1.98782	0.0263472	0.23112923	2.6296592	21	—	—
394454 2007 RE_{129}	17.7	X	268.59937	237.85216	52.14059	1.87954	0.1805979	0.25597316	2.4566301	21	2 18.6	21.4
394455 2007 RU_{179}	16.4	X	53.59501	8.01279	38.98771	14.28093	0.1855642	0.22569955	2.6716665	21	—	—
394456 2007 RA_{190}	16.7	X	35.92883	225.77178	175.31018	13.65244	0.1703558	0.22846747	2.6500443	21	—	—
394457 2007 RD_{190}	17.1	X	249.95351	82.24678	223.35057	7.45091	0.2814616	0.25883606	2.4384819	21	2 11.4	21.6
394458 2007 RS_{210}	17.4	X	105.45932	166.13072	237.16957	2.12592	0.0317058	0.24616223	2.5214776	21	1 8.4	20.5
394459 2007 RV_{217}	17.4	X	207.89276	59.62028	196.54463	14.58765	0.0731423	0.23573507	2.5952941	21	—	—
394460 2007 RY_{229}	17.7	X	87.35120	349.92424	33.13911	2.40336	0.2032824	0.23434428	2.6055524	21	—	—
394461 2007 RR_{238}	17.3	X	265.97851	283.56149	42.58239	5.58527	0.2456015	0.26504719	2.4002358	21	3 27.5	21.0
394462 2007 RA_{249}	18.0	X	246.19692	236.77082	41.83998	2.77477	0.1946404	0.25137452	2.4865005	21	1 15.4	22.2
394463 2007 RS_{273}	16.3	X	110.05907	149.45537	196.25682	14.65045	0.1041300	0.23236008	2.6203645	21	—	—
394464 2007 RV_{288}	16.2	X	225.32396	295.80115	252.18231	3.91068	0.0952036	0.21311866	2.7758014	21	12 8.5	20.1
394465 2007 RY_{288}	17.4	X	156.73959	314.08062	24.45943	9.25326	0.1751732	0.23882471	2.5728623	21	1 11.8	21.4
394466 2007 RB_{289}	17.5	X	176.79792	294.92292	35.34656	8.22595	0.1897439	0.24011835	2.5636131	21	1 22.1	21.7
394467 2007 RV_{318}	17.1	X	2.93037	61.23936	11.77294	5.24181	0.1708202	0.22401907	2.6850109	21	—	—
394468 2007 SD_{4}	15.9	X	138.88127	158.88633	222.81879	17.16217	0.2138432	0.23903985	2.5713183	21	2 11.6	20.2
394469 2007 SC_{14}	16.6	X	56.21506	4.24773	0.73226	13.15960	0.1085158	0.22460620	2.6803297	21	—	—
394470 2007 TT_{4}	16.6	X	353.62397	217.59034	198.64846	16.42255	0.0481353	0.21952090	2.7215656	21	12 21.3	20.5
394471 2007 TF_{10}	16.1	X	356.76071	45.54482	17.18227	22.12189	0.0642946	0.22236633	2.6982987	21	—	—
394472 2007 TC_{11}	16.8	X	74.43105	339.46080	30.17770	7.32689	0.1814046	0.22834502	2.6509916	21	—	—
394473 2007 TC_{18}	16.6	X	41.45465	20.34887	17.45020	6.42520	0.1097969	0.22697693	2.6616334	21	—	—
394474 2007 TT_{23}	17.0	X	305.29873	90.57996	212.34239	6.46587	0.3514491	0.26693630	2.3888981	21	3 20.1	20.4
394475 2007 TL_{27}	17.0	X	33.62088	198.64866	196.89689	1.44208	0.0732259	0.22426438	2.6830526	21	—	—
394476 2007 TA_{30}	16.8	X	43.15322	181.77784	208.79032	4.72612	0.0621615	0.22415118	2.6839558	21	—	—
394477 2007 TY_{39}	16.8	X	196.89776	68.35460	194.17394	4.60805	0.1072986	0.23003269	2.6380094	21	—	—
394478 2007 TX_{40}	17.0	X	193.62948	261.14426	41.82218	9.24879	0.1653176	0.23861560	2.5743652	21	1 1.5	21.2
394479 2007 TK_{48}	17.1	X	39.09332	21.52789	2.76077	4.79476	0.0450922	0.22279287	2.6948537	21	—	—
394480 2007 TF_{49}	16.1	X	79.15049	158.64776	211.32280	14.89062	0.1147851	0.22835699	2.6508990	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394481 2007 TX_{51}	17.4	X	171.59372	101.63134	213.89616	9.60095	0.1167004	0.23721048	2.5845214	21	—	—
394482 2007 TX_{53}	17.2	X	38.43618	201.56880	205.84212	10.69775	0.0904470	0.22569735	2.6716839	21	—	—
394483 2007 TN_{68}	16.7	X	328.90531	279.16107	170.28401	5.10802	0.1305365	0.21960467	2.7208734	21	12 31.9	19.8
394484 2007 TK_{69}	16.9	X	321.97518	38.16231	37.82177	8.12982	0.2097855	0.21292667	2.7774698	21	11 25.9	19.4
394485 2007 TV_{81}	16.7	X	3.17912	211.83572	203.31407	13.12341	0.1926571	0.21875141	2.7279441	21	—	—
394486 2007 TD_{84}	16.9	X	70.90331	21.22287	13.87338	8.25301	0.1187658	0.23041711	2.6350745	21	—	—
394487 2007 TO_{90}	16.5	X	16.98731	237.42838	204.74014	21.54337	0.0493457	0.22715381	2.6602515	21	—	—
394488 2007 TK_{98}	17.4	X	152.59403	286.91890	39.92185	3.33480	0.0764663	0.23608025	2.5927637	21	—	—
394489 2007 TQ_{106}	16.8	X	309.97452	65.59703	12.83945	5.06255	0.0799381	0.21618783	2.7494673	21	11 14.9	20.1
394490 2007 TF_{112}	16.6	X	0.83788	181.63226	234.83748	9.00258	0.2203403	0.22020630	2.7159153	21	—	—
394491 2007 TJ_{129}	16.6	X	308.44879	247.42307	221.43252	6.20426	0.1537575	0.21593662	2.7515992	21	12 19.7	19.6
394492 2007 TC_{139}	16.6	X	311.41412	184.56259	251.73437	3.73599	0.0916221	0.21352708	2.7722607	21	11 13.9	19.8
394493 2007 TK_{144}	17.3	X	53.10880	220.50361	188.24628	10.07597	0.2029811	0.22988023	2.6391757	21	—	—
394494 2007 TP_{154}	16.8	X	91.36066	172.25833	216.02118	12.57476	0.1629536	0.23440475	2.6051043	21	—	—
394495 2007 TN_{170}	16.1	X	43.07130	200.57462	221.80109	21.60529	0.0689989	0.22705200	2.6610467	21	—	—
394496 2007 TZ_{172}	16.2	X	79.98137	351.97552	54.02722	8.42474	0.1899259	0.23308588	2.6149220	21	—	—
394497 2007 TQ_{185}	16.5	X	55.12219	11.02188	33.80278	14.69764	0.1694978	0.23025464	2.6363139	21	—	—
394498 2007 TF_{196}	16.4	X	281.59894	126.30687	46.84844	12.82151	0.0853549	0.22490520	2.6779537	21	—	—
394499 2007 TT_{203}	17.1	X	99.69378	152.70371	201.38179	5.30943	0.0990340	0.22724313	2.6595544	21	—	—
394500 2007 TN_{210}	17.2	X	190.97893	282.33334	34.57862	16.80950	0.1944613	0.24139073	2.5545966	21	1 20.3	21.7
394501 2007 TW_{211}	16.4	X	207.81397	297.15280	3.29311	8.10826	0.1237622	0.24128633	2.5553334	21	1 10.7	20.5
394502 2007 TE_{212}	17.2	X	153.83085	62.65964	271.19407	4.69950	0.1226256	0.23648009	2.5898403	21	—	—
394503 2007 TD_{220}	17.1	X	13.03202	310.40572	180.84235	17.54356	0.0946642	0.24134120	2.5549461	21	—	—
394504 2007 TM_{234}	16.3	X	233.92787	340.93154	70.75822	4.19421	0.1340114	0.19106692	2.9854678	21	6 24.2	21.0
394505 2007 TQ_{239}	17.3	X	79.17146	131.86452	234.33236	3.91989	0.0716769	0.22440813	2.6819066	21	—	—
394506 2007 TX_{239}	16.6	X	40.42846	287.84777	68.18909	7.35267	0.0658473	0.21467709	2.7623513	21	12 9.7	20.3
394507 2007 TM_{242}	16.4	X	119.64400	334.12431	351.97148	11.55300	0.1985526	0.23213075	2.6220900	21	—	—
394508 2007 TV_{247}	16.5	X	226.55405	283.84433	359.59602	7.74983	0.1438326	0.24323909	2.5416386	21	1 7.2	20.6
394509 2007 TV_{259}	17.2	X	203.34481	74.92277	212.26763	3.85267	0.0609700	0.23860295	2.5744562	21	—	—
394510 2007 TY_{261}	17.3	X	105.27719	118.84241	238.60085	1.81194	0.1293068	0.22991034	2.6389453	21	—	—
394511 2007 TL_{266}	17.3	X	121.44515	188.53687	170.57921	2.86322	0.2096191	0.23518043	2.5993729	21	1 1.6	20.7
394512 2007 TT_{273}	17.9	X	234.06824	114.68903	223.30134	9.14472	0.2817611	0.25631809	2.4544256	21	3 10.2	22.4
394513 2007 TG_{274}	16.7	X	335.17511	338.93844	168.30273	19.35053	0.1055047	0.24040736	2.5615581	21	—	—
394514 2007 TA_{284}	17.3	X	253.57534	32.82192	287.76013	1.42977	0.2154272	0.26310144	2.4120551	21	3 9.5	21.1
394515 2007 TZ_{293}	16.7	X	19.58059	175.20060	227.81209	13.01767	0.0742308	0.21775188	2.7362857	21	—	—
394516 2007 TF_{302}	17.1	X	192.60798	237.39280	28.66249	8.40131	0.0410973	0.22901772	2.6457979	21	—	—
394517 2007 TC_{303}	16.6	X	246.97786	14.72249	219.23759	13.58349	0.1278371	0.23325180	2.6136818	21	—	—
394518 2007 TB_{312}	17.5	X	171.96395	193.76477	128.68894	3.00750	0.0683693	0.23843757	2.5756465	21	—	—
394519 2007 TJ_{313}	17.2	X	44.59116	339.29009	68.53779	5.07397	0.1170644	0.22767088	2.6562221	21	—	—
394520 2007 TR_{328}	16.6	X	261.96870	262.02984	303.40042	3.83491	0.0690368	0.22889711	2.6467272	21	—	—
394521 2007 TL_{333}	16.8	X	327.44220	188.89265	230.73744	4.63046	0.0553129	0.21224172	2.7834422	21	11 18.0	20.3
394522 2007 TH_{361}	17.4	X	146.74605	130.25636	208.37675	1.99922	0.1588106	0.23385280	2.6092018	21	—	—
394523 2007 TW_{361}	17.0	X	222.35078	357.50396	213.92458	4.04186	0.0632822	0.21926173	2.7237098	21	—	—
394524 2007 TX_{361}	16.5	X	193.42153	242.15398	55.80858	10.75614	0.1001546	0.23353650	2.6115571	21	—	—
394525 2007 TC_{376}	17.3	X	37.80027	197.71747	171.45742	1.88161	0.1076062	0.21811304	2.7332643	21	12 29.7	21.0
394526 2007 TZ_{380}	17.1	X	20.14092	2.63913	53.81561	6.17798	0.0674250	0.22371483	2.6874447	21	—	—
394527 2007 TT_{383}	16.9	X	17.87046	228.46300	216.36882	15.59967	0.0660886	0.22693574	2.6619555	21	—	—
394528 2007 TG_{386}	16.8	X	80.37657	138.19561	215.24094	4.69056	0.0819604	0.22471495	2.6794649	21	—	—
394529 2007 TO_{392}	16.5	X	327.71455	74.41386	37.39953	4.83675	0.1114303	0.22461454	2.6802634	21	—	—
394530 2007 TQ_{392}	16.4	X	17.02522	338.24870	65.29759	16.53100	0.2545878	0.22153914	2.7050113	21	—	—
394531 2007 TJ_{413}	16.7	X	342.24506	14.04031	53.39402	14.86094	0.2292765	0.21827206	2.7319366	21	—	—
394532 2007 TV_{424}	17.4	X	100.41230	53.26080	314.81589	1.26996	0.0831951	0.23085537	2.6317385	21	—	—
394533 2007 TC_{431}	16.8	X	196.78869	193.83546	44.27997	4.55657	0.0580694	0.22363419	2.6880907	21	—	—
394534 2007 TT_{438}	17.5	X	229.22551	118.26703	177.38493	3.39595	0.2019715	0.24560978	2.5252571	21	1 21.1	21.8
394535 2007 TB_{442}	16.7	X	18.33654	15.78532	60.86128	14.36462	0.1391999	0.22672523	2.6636029	21	—	—
394536 2007 TV_{448}	17.1	X	305.26357	75.55879	51.91239	14.64345	0.1534994	0.21964461	2.7205436	21	—	—
394537 2007 TS_{449}	16.8	X	68.23284	304.34628	75.24010	6.66101	0.0945679	0.22662144	2.6644161	21	—	—
394538 2007 TT_{451}	16.4	X	244.65251	302.22680	252.88702	10.23549	0.0270758	0.22178346	2.7030243	21	—	—
394539 2007 UD_{1}	17.7	X	167.49562	174.14760	179.95797	3.46375	0.1606793	0.24402908	2.5361503	21	2 5.5	21.5
394540 2007 UL_{7}	17.3	X	316.32673	186.96877	236.47339	19.44161	0.0823568	0.35737962	1.9666007	21	12 10.4	18.8
394541 2007 UF_{25}	17.0	X	203.68611	238.06217	45.73040	17.60879	0.1984600	0.23631462	2.5910492	21	—	—
394542 2007 UH_{35}	16.6	X	6.86597	301.18685	112.99507	5.94706	0.1160114	0.22225809	2.6991747	21	—	—
394543 2007 UG_{36}	16.9	X	64.08968	341.62044	32.38655	12.30418	0.1821343	0.22781343	2.6551140	21	—	—
394544 2007 UD_{37}	14.9	X	259.04501	228.37823	161.58451	9.44641	0.2785327	0.12364585	3.9903993	21	6 10.3	21.2
394545 2007 UW_{47}	17.6	X	169.57210	136.94737	202.64862	2.72487	0.2007620	0.24223683	2.5486445	21	1 24.3	21.7
394546 2007 UW_{48}	16.3	X	281.10681	69.00477	66.95953	15.02740	0.0818128	0.21395519	2.7685614	21	12 16.6	19.8
394547 2007 UA_{50}	16.9	X	133.61697	309.54404	65.94641	12.73145	0.1999333	0.23783423	2.5800006	21	2 7.8	20.9
394548 2007 UO_{64}	17.2	X	216.60007	71.64371	209.22705	8.00128	0.1488893	0.23964006	2.5670231	21	—	—
394549 2007 US_{71}	16.7	X	127.81540	164.92022	208.41101	15.23450	0.1533143	0.23656662	2.5892088	21	1 15.6	20.6
394550 2007 UM_{73}	17.3	X	31.45715	213.12494	227.52499	3.24866	0.0741289	0.23002681	2.6380544	21	—	—
394551 2007 UG_{75}	17.0	X	254.97548	230.25440	247.62024	5.60912	0.2385937	0.20484556	2.8500448	21	9 23.9	21.2
394552 2007 UB_{78}	17.3	X	178.62474	51.99351	224.62149	8.16596	0.1207675	0.23212916	2.6221020	21	—	—
394553 2007 UJ_{78}	17.6	X	198.82301	263.50144	47.99885	22.48619	0.0928530	0.38465620	1.8724960	21	—	—
394554 2007 UU_{85}	16.9	X	187.44186	256.89648	52.33192	15.49283	0.1682206	0.23759708	2.5817171	21	1 3.5	21.2
394555 2007 UW_{85}	17.3	X	70.12642	315.67160	87.74863	2.58322	0.0571421	0.22918609	2.6445019	21	—	—
394556 2007 UG_{93}	17.7	X	214.11256	56.65733	233.31835	4.58106	0.1651724	0.24031563	2.5622099	21	1 2.8	21.9
394557 2007 UQ_{95}	17.3	X	87.31017	153.78976	228.71716	11.35467	0.1797575	0.23208996	2.6223972	21	—	—
394558 2007 UD_{117}	16.6	X	100.32637	312.52300	87.13225	11.18114	0.1745171	0.23592141	2.5939274	21	1 21.4	19.7
394559 2007 UU_{118}	16.7	X	348.83322	73.86233	18.41672	9.56259	0.0967051	0.22525572	2.6751748	21	—	—
394560 2007 UQ_{139}	16.5	X	159.72474	203.16724	84.03424	5.08103	0.0633939	0.22452066	2.6810105	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394561 2007 UE_{140}	16.6	X	119.72303	74.95645	232.65152	4.27724	0.1026621	0.22024674	2.7155828	21	—	—
394562 2007 UY_{140}	17.2	X	284.02197	198.36339	298.54618	3.22446	0.0076944	0.21724868	2.7405093	21	12 31.2	21.0
394563 2007 UN_{141}	17.4	X	30.12602	255.11629	149.75057	2.70339	0.1206588	0.21948451	2.7218664	21	—	—
394564 2007 UR_{141}	17.0	X	162.22674	247.19735	68.18879	12.18369	0.1175786	0.23052232	2.6342727	21	—	—
394565 2007 VR	16.8	X	100.64974	139.75896	237.60963	11.21932	0.1629268	0.23128159	2.6285042	21	—	—
394566 2007 VB_{12}	16.5	X	269.34972	241.61609	246.20459	8.10192	0.1110474	0.21083522	2.7958075	21	11 15.4	20.0
394567 2007 VX_{14}	17.2	X	348.73895	322.02654	133.52856	3.35392	0.0561073	0.22193014	2.7018332	21	—	—
394568 2007 VX_{22}	16.9	X	279.87627	116.10958	12.92243	8.37311	0.1366555	0.21704271	2.7422429	21	11 28.5	20.3
394569 2007 VN_{34}	16.5	X	231.41397	224.10841	68.55250	8.85776	0.1945345	0.24229796	2.5482158	21	1 22.1	20.8
394570 2007 VV_{46}	16.6	X	299.92153	233.25737	260.12852	6.62738	0.0748883	0.22002231	2.7174292	21	—	—
394571 2007 VA_{47}	17.3	X	130.66533	329.29089	31.65038	13.39962	0.1885967	0.23596117	2.5936360	21	1 14.7	21.2
394572 2007 VX_{53}	17.0	X	274.28153	322.13832	174.49343	4.49014	0.0430901	0.21479112	2.7613736	21	12 14.1	20.6
394573 2007 VG_{54}	16.4	X	85.23496	173.70505	219.06741	14.36571	0.1083048	0.22994679	2.6386664	21	—	—
394574 2007 VX_{55}	16.9	X	207.78617	71.28293	104.38218	5.57961	0.0146342	0.21045908	2.7991378	21	11 13.6	20.7
394575 2007 VM_{56}	17.1	X	210.57985	233.37581	79.00582	8.76353	0.2401621	0.24408033	2.5357953	21	1 28.9	21.6
394576 2007 VO_{57}	16.3	X	180.78417	102.22219	71.04547	15.84042	0.0864503	0.20235237	2.8734073	21	10 10.8	20.9
394577 2007 VU_{60}	16.7	X	318.98760	40.06185	37.33960	5.43432	0.0994023	0.21170817	2.7881169	21	11 26.4	19.9
394578 2007 VO_{65}	17.2	X	117.31655	194.00528	192.31420	7.86930	0.1215098	0.23977334	2.5660717	21	1 15.6	20.7
394579 2007 VY_{68}	17.2	X	180.80257	77.81273	215.86602	13.41236	0.0837883	0.23199879	2.6230842	21	—	—
394580 2007 VS_{70}	16.9	X	359.55989	8.07486	64.32262	5.84249	0.0995698	0.22098465	2.7095343	21	—	—
394581 2007 VH_{76}	18.0	X	57.93332	179.33374	207.74011	5.08196	0.1529534	0.22494954	2.6776017	21	—	—
394582 2007 VS_{81}	17.5	X	188.03033	259.73750	51.73943	3.13497	0.1925388	0.23947823	2.5681794	21	1 7.9	21.6
394583 2007 VN_{107}	17.1	X	80.66926	314.82153	54.33054	2.76275	0.1201509	0.22560351	2.6724248	21	—	—
394584 2007 VZ_{112}	16.7	X	316.82970	27.50051	62.82687	5.49027	0.0845485	0.21334931	2.7738005	21	12 11.4	20.1
394585 2007 VC_{116}	16.9	X	168.47391	121.67853	205.43614	5.17709	0.2107492	0.23573197	2.5953169	21	1 10.1	21.1
394586 2007 VF_{125}	16.1	X	100.86585	295.17930	84.32537	12.86818	0.1997569	0.23238510	2.6201764	21	—	—
394587 2007 VJ_{128}	17.5	X	164.84798	323.06027	354.80299	1.57866	0.0747815	0.23574755	2.5952026	21	—	—
394588 2007 VS_{134}	16.5	X	287.51794	318.42427	223.50473	13.87116	0.0582622	0.23216666	2.6218197	21	—	—
394589 2007 VP_{143}	17.3	X	156.60408	262.29772	86.92430	4.28347	0.1286284	0.23678001	2.5876530	21	1 18.9	21.0
394590 2007 VA_{171}	16.7	X	53.38278	16.59446	2.04004	6.20180	0.0404860	0.22139442	2.7061899	21	—	—
394591 2007 VK_{171}	17.0	X	54.06548	331.68070	359.77992	4.61534	0.0771158	0.21344985	2.7729294	21	11 26.8	20.8
394592 2007 VS_{184}	18.3	X	208.80992	276.92831	49.90468	20.35172	0.1131425	0.39025094	1.8545566	21	1 21.3	21.0
394593 2007 VD_{189}	17.2	X	135.42135	309.80605	32.55451	8.55656	0.1079580	0.23124032	2.6288169	21	—	—
394594 2007 VT_{207}	16.8	X	255.86428	311.16221	223.73461	11.94639	0.1489812	0.21950520	2.7216953	21	12 22.8	20.4
394595 2007 VX_{216}	16.8	X	219.03220	229.50536	45.57842	5.83801	0.1783584	0.23357875	2.6112422	21	—	—
394596 2007 VG_{218}	17.0	X	69.67382	292.79641	69.98980	5.21887	0.0825122	0.22009378	2.7168409	21	—	—
394597 2007 VU_{229}	16.3	X	316.86444	227.82668	245.41931	6.82697	0.0849244	0.21779837	2.7358963	21	—	—
394598 2007 VR_{233}	16.6	X	77.10550	287.03892	69.98353	6.69416	0.0867964	0.22132813	2.7067302	21	—	—
394599 2007 VW_{234}	17.2	X	139.13382	282.68055	68.61070	4.31217	0.1853908	0.23407173	2.6075746	21	1 9.8	20.9
394600 2007 VT_{239}	16.9	X	133.10188	287.26349	80.74921	5.51292	0.1362190	0.23453060	2.6041722	21	1 17.5	20.4
394601 2007 VE_{252}	16.3	X	17.17147	347.34158	61.98029	11.64333	0.1628876	0.21979004	2.7193433	21	—	—
394602 2007 VP_{259}	16.6	X	249.92903	71.88968	110.55069	7.54599	0.1252815	0.21914536	2.7246739	21	12 28.8	20.2
394603 2007 VC_{262}	16.3	X	109.65638	257.34088	50.93139	12.90469	0.0891929	0.22315083	2.6919710	21	—	—
394604 2007 VQ_{263}	17.1	X	5.51526	25.60315	355.43182	6.27838	0.0617961	0.21295692	2.7772067	21	11 21.7	20.8
394605 2007 VW_{268}	16.1	X	72.15466	318.66657	75.65910	12.69681	0.0414463	0.22835163	2.6509405	21	—	—
394606 2007 VB_{269}	15.7	X	194.42231	96.38858	233.41930	11.67903	0.1785306	0.24011964	2.5636039	21	1 29.9	20.1
394607 2007 VP_{285}	16.4	X	32.42354	150.99896	240.10174	10.78992	0.0586703	0.21721889	2.7407599	21	—	—
394608 2007 VK_{293}	16.1	X	263.61764	303.64982	196.96241	13.97772	0.0291888	0.21379664	2.7699301	21	12 7.1	20.0
394609 2007 VH_{294}	17.1	X	39.00191	213.27214	179.66971	5.20006	0.1213635	0.22081428	2.7109278	21	—	—
394610 2007 VJ_{301}	16.9	X	95.46465	198.25410	181.92711	14.13201	0.2614444	0.23081620	2.6320362	21	1 1.0	20.2
394611 2007 VC_{308}	17.7	X	179.86442	277.77196	68.46679	1.67965	0.1985446	0.24134644	2.5549091	21	2 11.5	21.9
394612 2007 VV_{310}	16.7	X	151.10644	102.48327	59.36446	1.85810	0.1466289	0.18157181	3.0886623	21	8 20.1	21.7
394613 2007 VK_{328}	16.7	X	8.69028	302.15180	100.94667	4.38710	0.0770782	0.21450238	2.7638511	21	12 28.3	20.2
394614 2007 VK_{329}	16.5	X	6.91646	358.27555	57.97042	7.29130	0.0107538	0.21829835	2.7317173	21	—	—
394615 2007 VW_{329}	17.1	X	216.53780	250.04711	52.68199	3.91631	0.2106353	0.23993587	2.5649127	21	1 21.7	21.5
394616 2007 VA_{330}	16.3	X	64.77011	300.72039	85.03204	16.27284	0.1264781	0.21903202	2.7256137	21	—	—
394617 2007 VQ_{330}	16.4	X	11.28154	315.37980	82.39692	9.75135	0.1081452	0.21534152	2.7566663	21	12 29.3	19.8
394618 2007 VW_{330}	16.9	X	165.46148	67.46213	76.92863	2.23808	0.2333585	0.18181785	3.0858753	21	8 13.1	22.3
394619 2007 VE_{333}	16.9	X	157.31465	107.63983	249.14369	7.88029	0.2081016	0.23769953	2.5809752	21	2 2.1	21.1
394620 2007 VW_{333}	15.9	X	325.08740	329.93256	110.17758	16.43390	0.1079419	0.20562756	2.8428143	21	12 11.4	19.4
394621 2007 WO_{4}	17.9	X	312.76919	122.17841	40.76376	24.23533	0.0645455	0.37205487	1.9145412	21	—	—
394622 2007 WN_{41}	17.1	X	249.83324	20.85630	69.76215	17.15954	0.2646002	0.19783550	2.9169785	21	8 21.4	22.0
394623 2007 WO_{52}	16.4	X	229.25604	304.14374	132.70218	9.23371	0.1736117	0.18382368	3.0633862	21	7 17.1	21.2
394624 2007 WQ_{60}	17.4	X	357.29101	189.89809	236.11031	2.63636	0.0746886	0.21567971	2.7537839	21	—	—
394625 2007 WE_{61}	16.8	X	359.63296	3.80778	90.08393	14.73382	0.1874596	0.22210563	2.7004098	21	—	—
394626 2007 XS_{6}	16.6	X	123.10761	286.30440	79.16368	13.24150	0.1732205	0.23211735	2.6221909	21	1 7.6	20.1
394627 2007 XP_{10}	17.0	X	356.44493	350.45066	66.40899	7.03149	0.0525611	0.21621246	2.7492585	21	12 26.4	20.5
394628 2007 XG_{12}	16.9	X	1.13382	351.97754	72.96892	6.09522	0.0524420	0.21921797	2.7240722	21	—	—
394629 2007 XB_{14}	17.3	X	48.72392	91.01755	289.33382	3.65763	0.1224391	0.21799570	2.7342450	21	—	—
394630 2007 XN_{28}	16.9	X	12.47123	329.00031	66.68443	5.11477	0.1050699	0.21297127	2.7770820	21	12 27.4	20.3
394631 2007 XC_{51}	16.1	X	323.67506	15.25480	79.61934	15.36872	0.1607965	0.21399311	2.7682343	21	12 28.3	19.0
394632 2007 XX_{54}	17.0	X	118.21410	82.72513	268.04616	1.21885	0.0939729	0.22704163	2.6611277	21	—	—
394633 2007 XN_{55}	16.9	X	42.85606	283.25838	83.11193	2.98398	0.1004526	0.20993772	2.8037701	21	12 29.9	20.7
394634 2007 YA_{5}	16.4	X	187.94387	186.24778	60.67800	10.23353	0.0971456	0.21549997	2.7553149	21	—	—
394635 2007 YH_{5}	17.4	X	158.13751	264.63142	56.71132	4.48317	0.0716112	0.22796694	2.6539219	21	—	—
394636 2007 YB_{9}	16.4	X	250.39730	43.22021	56.62199	7.84864	0.1935827	0.19526006	2.9425721	21	9 8.1	20.9
394637 2007 YQ_{15}	16.8	X	142.94360	283.62387	64.94854	5.33101	0.2578242	0.23375703	2.6099144	21	1 19.2	20.8
394638 2007 YL_{24}	16.6	X	348.12928	332.01469	68.98828	10.02957	0.0498665	0.20351996	2.8624069	21	11 22.3	20.1
394639 2007 YB_{29}	16.6	X	41.28585	320.07238	81.09982	6.01469	0.1179118	0.21990847	2.7183669	21	—	—
394640 2007 YC_{38}	16.8	X	212.62878	141.98073	348.43596	2.50795	0.1398586	0.19221916	2.9735251	21	9 8.3	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394641 2007 YM_{39}	16.5	X	33.43918	302.20501	68.01144	6.64273	0.2177485	0.21113606	2.7931511	21	—	—
394642 2007 YW_{54}	16.4	X	110.26273	311.40073	76.26128	16.46374	0.2987712	0.23076670	2.6324126	21	2 12.2	20.3
394643 2007 YM_{55}	16.8	X	255.28848	331.32826	100.30105	6.78554	0.1224911	0.18873831	3.0099735	21	8 15.4	21.1
394644 2007 YF_{57}	16.7	X	73.70217	285.29014	78.33219	14.71133	0.1602728	0.22083842	2.7107302	21	—	—
394645 2007 YQ_{64}	16.5	X	165.69698	100.88771	86.52669	6.96294	0.1830013	0.18905793	3.0065801	21	10 6.0	21.6
394646 2007 YG_{65}	16.5	X	331.36831	254.39444	134.93179	11.13039	0.1220884	0.19575758	2.9375842	21	10 15.3	20.1
394647 2007 YB_{68}	17.2	X	187.25714	58.82597	111.70099	2.62112	0.0584367	0.19386288	2.9566933	21	10 7.9	21.5
394648 2007 YF_{74}	16.7	X	170.28060	26.99756	142.43784	9.78345	0.1730767	0.18504079	3.0499383	21	9 16.9	21.8
394649 2008 AL_{46}	16.3	X	225.53153	261.69549	266.31082	6.47312	0.0944692	0.20649400	2.8348565	21	11 12.1	20.3
394650 2008 AS_{64}	16.1	X	267.32431	114.43778	285.55857	7.61603	0.1410520	0.18570653	3.0426449	21	7 15.7	20.3
394651 2008 AB_{77}	16.1	X	301.78624	310.33746	97.07433	7.63094	0.2216581	0.19638687	2.9313055	21	9 4.4	19.5
394652 2008 AN_{92}	16.8	X	170.98785	100.61798	89.75776	10.03592	0.1685289	0.19261150	2.9694857	21	10 15.7	21.8
394653 2008 AB_{116}	16.7	X	224.99406	8.20473	112.38970	9.79689	0.0415327	0.19067088	2.9896004	21	9 23.6	21.1
394654 2008 AS_{120}	16.8	X	155.53648	129.95613	101.91539	3.39729	0.0719572	0.19873314	2.9081883	21	11 17.1	21.2
394655 2008 AG_{129}	16.8	X	172.45693	335.81030	158.04704	4.84192	0.1441904	0.17993113	3.1074097	21	8 4.2	21.7
394656 2008 BL_{4}	15.9	X	134.80661	195.73494	112.50399	16.99143	0.1395870	0.21128256	2.7918599	21	—	—
394657 2008 BY_{11}	16.7	X	147.93640	50.47579	111.86078	8.73031	0.1777002	0.18087667	3.0965708	21	8 19.9	21.8
394658 2008 BU_{20}	16.2	X	250.89998	273.85247	148.23936	11.11706	0.1063993	0.18215946	3.0820160	21	7 28.4	20.7
394659 2008 BB_{30}	16.3	X	172.30299	227.20031	276.15734	4.53485	0.1588576	0.18265251	3.0764672	21	8 14.8	21.3
394660 2008 BC_{51}	16.9	X	239.87530	139.72388	354.43687	1.88816	0.0591087	0.19706273	2.9245994	21	10 21.9	21.1
394661 2008 CG_{11}	16.5	X	121.54158	135.05970	121.44798	8.86273	0.2109100	0.18984045	2.9983123	21	11 19.3	21.7
394662 2008 CQ_{11}	16.6	X	166.74875	81.82271	95.94704	3.53643	0.0286199	0.18707302	3.0278099	21	9 24.3	20.9
394663 2008 CQ_{16}	16.3	X	277.79816	287.96459	159.46212	5.48420	0.0571955	0.19131678	2.9828678	21	10 13.0	20.3
394664 2008 CK_{18}	16.3	X	115.52368	127.79774	153.95166	14.37573	0.1579284	0.19241650	2.9714917	21	12 10.2	21.4
394665 2008 CB_{19}	16.2	X	74.84614	85.96000	158.97850	8.15081	0.0585549	0.17827374	3.1266395	21	8 29.8	20.5
394666 2008 CT_{23}	16.3	X	154.30933	189.38956	344.04105	8.93583	0.0256314	0.18218663	3.0817097	21	9 2.2	20.8
394667 2008 CD_{32}	16.1	X	42.97028	229.93256	141.40278	15.88938	0.1611141	0.20426540	2.8554387	21	—	—
394668 2008 CK_{33}	16.9	X	287.45616	318.45596	115.30608	3.52177	0.0699344	0.19201623	2.9756197	21	10 7.2	20.8
394669 2008 CM_{33}	16.6	X	172.71236	31.99733	89.31609	2.16990	0.1252107	0.17749339	3.1357969	21	7 20.8	21.6
394670 2008 CO_{36}	16.7	X	56.77627	111.95798	175.24455	4.26254	0.0194738	0.18626999	3.0365059	21	9 24.6	20.7
394671 2008 CD_{37}	16.9	X	177.81633	206.00321	301.73554	2.83601	0.1148621	0.18202572	3.0835255	21	8 26.3	21.7
394672 2008 CJ_{45}	16.0	X	102.38523	123.23072	136.24645	10.30519	0.1284195	0.18498937	3.0505036	21	10 31.7	20.8
394673 2008 CX_{46}	16.6	X	253.38267	224.42455	202.19540	4.46462	0.1013276	0.17999985	3.1066187	21	8 6.1	21.1
394674 2008 CD_{47}	16.7	X	189.83775	50.00787	103.28512	5.44445	0.2218076	0.18701630	3.0284222	21	9 13.3	21.9
394675 2008 CK_{74}	16.0	X	156.96430	36.90040	136.69557	19.10435	0.0747767	0.18539519	3.0460503	21	9 9.5	20.7
394676 2008 CP_{78}	16.9	X	178.47147	118.07307	351.22447	4.99476	0.1829282	0.18180778	3.0859892	21	7 12.3	22.1
394677 2008 CH_{81}	16.1	X	76.92076	280.70096	342.21024	11.73901	0.1208068	0.18395305	3.0619497	21	9 29.8	20.6
394678 2008 CG_{87}	16.8	X	180.59659	84.72887	63.77624	4.18281	0.1092812	0.18226298	3.0808489	21	9 1.9	21.7
394679 2008 CE_{94}	16.5	X	233.62412	80.93713	4.54946	10.63384	0.1542139	0.18252631	3.0778851	21	8 7.0	21.4
394680 2008 CJ_{109}	16.7	X	198.25408	300.54272	208.95295	4.45263	0.1124732	0.18572221	3.0424736	21	9 17.5	21.4
394681 2008 CT_{109}	16.3	X	221.97251	282.59104	199.82844	6.18552	0.0641656	0.18484191	3.0521257	21	9 13.4	20.7
394682 2008 CD_{126}	16.5	X	81.55461	333.02734	293.43184	3.72060	0.0757837	0.18784470	3.0195119	21	10 5.6	20.8
394683 2008 CS_{129}	15.9	X	56.77926	338.95704	318.53593	8.77766	0.0794537	0.18807435	3.0170534	21	10 11.7	20.3
394684 2008 CM_{133}	15.8	X	114.67661	113.09530	152.38368	10.92924	0.1223859	0.19080072	2.9882439	21	11 19.1	20.6
394685 2008 CR_{134}	16.6	X	106.66386	83.24084	152.32231	10.14686	0.0425666	0.18705382	3.0280171	21	9 26.9	20.9
394686 2008 CY_{142}	16.2	X	188.52516	142.56492	344.56191	10.41161	0.0609862	0.17848645	3.1241548	21	8 16.1	20.8
394687 2008 CX_{149}	16.8	X	67.04145	93.80790	167.48766	14.20025	0.1811111	0.17837664	3.1254368	21	9 28.9	21.2
394688 2008 CB_{151}	16.5	X	140.79946	233.30579	288.17673	2.10495	0.0818748	0.17607474	3.1526179	21	8 4.7	21.1
394689 2008 CZ_{160}	16.7	X	189.96990	289.62738	198.13394	5.06536	0.0898916	0.17867323	3.1219771	21	8 13.6	21.6
394690 2008 CC_{167}	16.4	X	337.22081	20.80893	119.20993	13.80404	0.0889086	0.21511421	2.7586080	21	—	—
394691 2008 CK_{174}	16.3	X	133.82748	323.81978	238.69672	5.29688	0.1378851	0.18380357	3.0636096	21	9 18.7	21.2
394692 2008 CK_{183}	16.3	X	199.63852	295.71496	176.41783	10.23513	0.0565030	0.18116201	3.0933184	21	8 5.9	21.0
394693 2008 CV_{183}	15.6	X	146.80226	34.94189	116.31906	10.50802	0.0169946	0.17362415	3.1822134	21	7 25.8	20.0
394694 2008 CA_{186}	16.3	X	358.58876	165.73330	251.21749	9.18050	0.2494689	0.20959062	2.8068648	21	—	—
394695 2008 CL_{191}	16.5	X	185.47086	328.67419	159.20414	13.56743	0.0646892	0.18017797	3.1045709	21	8 10.1	21.2
394696 2008 CB_{198}	16.7	X	165.90682	119.80982	24.14970	5.01072	0.2067772	0.17732452	3.1377875	21	8 13.7	22.1
394697 2008 CP_{199}	16.3	X	32.50102	311.33178	336.84225	1.73808	0.1208034	0.17496814	3.1658966	21	9 4.6	20.1
394698 2008 CH_{205}	16.9	X	168.03416	125.32891	37.51338	0.95921	0.0982836	0.18286157	3.0741219	21	9 5.3	21.5
394699 2008 CG_{208}	16.7	X	95.82605	37.58586	160.15175	0.40300	0.0967593	0.17166512	3.2063777	21	8 1.1	21.3
394700 2008 CE_{212}	16.4	X	173.53964	0.74348	161.09020	9.96997	0.0394085	0.18555565	3.0442940	21	9 10.6	20.9
394701 2008 CJ_{213}	16.5	X	138.99174	15.56984	142.10790	5.66029	0.1083035	0.17114157	3.2129135	21	7 30.7	21.4
394702 2008 DD_{12}	16.5	X	149.71896	66.77058	132.02820	10.13842	0.1110780	0.18795568	3.0183232	21	10 4.8	21.3
394703 2008 DO_{15}	16.3	X	244.14574	249.23974	262.41585	3.74726	0.1041707	0.20963316	2.8064850	21	11 13.5	20.1
394704 2008 DO_{20}	16.7	X	267.67034	306.71062	145.95426	3.45903	0.0263728	0.18922372	3.0048237	21	10 10.2	20.9
394705 2008 DL_{23}	16.1	X	74.49985	92.31761	161.49355	15.14564	0.0180165	0.18136359	3.0910259	21	9 4.0	20.2
394706 2008 DG_{27}	15.7	X	146.47539	0.31850	181.68606	16.43675	0.1264835	0.17973179	3.1097068	21	9 5.9	20.7
394707 2008 DJ_{53}	16.7	X	87.61834	308.13197	275.95016	1.75322	0.1214303	0.17367820	3.1815531	21	8 27.1	21.2
394708 2008 DT_{53}	16.3	X	71.08510	113.09451	184.53127	17.82838	0.1578916	0.18343535	3.0677080	21	11 14.9	21.0
394709 2008 DW_{54}	16.4	X	209.49568	32.61963	93.76044	13.10855	0.2208709	0.18538832	3.0461255	21	8 30.4	21.7
394710 2008 DD_{86}	16.5	X	113.66441	48.61445	179.66654	6.61905	0.1100561	0.18093631	3.0958903	21	9 30.2	21.2
394711 2008 DP_{87}	16.5	X	123.01789	74.64930	135.18503	2.10637	0.1073183	0.17949364	3.1124568	21	9 17.4	21.2
394712 2008 ED_{13}	16.2	X	13.98366	231.00389	85.48174	4.50885	0.0814818	0.17894963	3.1187617	21	9 12.1	20.2
394713 2008 EA_{34}	16.2	X	245.87976	11.21435	66.78418	12.27372	0.0894452	0.17765021	3.1339512	21	8 19.6	21.0
394714 2008 ES_{40}	16.4	X	218.90273	221.29515	250.40932	3.63673	0.0814512	0.17945587	3.1128935	21	8 25.2	21.0
394715 2008 EZ_{45}	16.4	X	143.41507	296.47683	211.45141	12.78527	0.2388585	0.17187283	3.2037938	21	7 26.9	22.1
394716 2008 ER_{64}	16.2	X	114.74133	57.08222	187.10939	17.39484	0.1724545	0.18250464	3.0781287	21	10 26.7	21.2
394717 2008 EA_{72}	16.0	X	121.21379	82.00323	143.27112	12.02561	0.1903750	0.18220370	3.0815171	21	10 13.5	21.2
394718 2008 EM_{73}	15.7	X	98.54105	190.83138	6.39897	16.82233	0.1333538	0.17169466	3.2060099	21	8 15.4	20.7
394719 2008 EN_{73}	15.6	X	68.01348	248.66771	5.86061	22.09626	0.2044446	0.17384517	3.1795156	21	9 24.6	20.0
394720 2008 EM_{94}	16.2	X	194.40806	3.23851	127.25997	11.23010	0.0413267	0.18058659	3.0998859	21	8 27.5	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394721 2008 EM_{105}	16.4	X	67.19500	191.73083	63.66404	5.53005	0.0756828	0.17835191	3.1257258	21	9 7.8	20.7
394722 2008 EN_{105}	16.3	X	98.52994	139.48022	140.03519	11.72468	0.0790380	0.18988387	2.9978553	21	11 16.1	20.9
394723 2008 EL_{108}	16.5	X	122.44691	107.33167	156.29288	10.24941	0.1275421	0.19257938	2.9698159	21	11 24.3	21.3
394724 2008 EV_{111}	16.8	X	185.65048	71.48166	43.26121	5.33469	0.1419455	0.17619047	3.1512373	21	7 26.1	21.9
394725 2008 EQ_{118}	16.0	X	317.07937	218.67363	158.47195	17.66533	0.1486107	0.18719012	3.0265471	21	8 25.9	19.5
394726 2008 EZ_{125}	16.0	X	103.14791	45.38316	188.79957	13.15740	0.1078200	0.17754314	3.1352111	21	9 24.7	20.6
394727 2008 EZ_{131}	15.7	X	342.11746	315.93085	17.55934	15.74094	0.0738892	0.17422201	3.1749291	21	8 21.3	20.0
394728 2008 EV_{133}	16.7	X	46.07439	63.09288	244.25807	6.60626	0.0715498	0.18725613	3.0258358	21	10 11.1	20.9
394729 2008 EU_{134}	16.9	X	143.42679	102.29878	81.05009	2.52537	0.0998191	0.17760043	3.1345368	21	9 6.1	21.7
394730 2008 ER_{142}	16.0	X	309.10253	257.60554	158.95571	10.50668	0.0764961	0.18838586	3.0137266	21	10 15.8	19.9
394731 2008 EV_{151}	16.8	X	69.10825	80.98544	183.49867	12.63357	0.1448009	0.17695962	3.1420994	21	9 28.7	21.2
394732 2008 EP_{152}	16.3	X	71.30326	116.21409	101.33689	6.56848	0.0785753	0.16738740	3.2607753	21	7 24.3	20.9
394733 2008 EG_{153}	15.8	X	60.18016	250.52371	45.72178	10.31967	0.2168821	0.17726464	3.1384940	21	11 5.8	20.2
394734 2008 EH_{153}	16.0	X	217.52329	40.03523	51.28178	9.97298	0.0526420	0.17347828	3.1839970	21	8 5.7	20.8
394735 2008 EU_{162}	16.4	X	132.73245	8.34346	167.83395	7.77994	0.0883667	0.17446666	3.1719603	21	8 13.8	21.3
394736 2008 EV_{166}	16.0	X	152.87249	109.29812	38.06418	11.57255	0.0635115	0.17236015	3.1977522	21	8 3.7	21.0
394737 2008 EP_{168}	16.2	X	126.84431	322.48458	224.35659	8.53993	0.1277469	0.17311702	3.1884249	21	8 21.4	21.3
394738 2008 EY_{168}	15.8	X	87.27257	94.69302	128.19120	15.07226	0.1443482	0.17247821	3.1962928	21	8 31.4	20.5
394739 2008 FE_{13}	16.7	X	194.37424	283.48789	179.20681	8.84812	0.1148251	0.17345023	3.1843402	21	7 17.4	21.8
394740 2008 FP_{23}	15.7	X	338.23069	300.94166	51.46393	9.91263	0.0978778	0.17437666	3.1730517	21	9 6.2	19.8
394741 2008 FJ_{25}	16.8	X	91.10054	190.48786	57.19014	2.63061	0.1745851	0.17923388	3.1154634	21	10 7.4	21.5
394742 2008 FW_{31}	16.2	X	265.26004	257.68743	175.10974	14.34446	0.1079764	0.18526947	3.0474281	21	8 27.7	20.5
394743 2008 FE_{32}	16.7	X	192.67373	147.67297	335.06421	4.18610	0.1003413	0.17918303	3.1160528	21	8 11.9	21.6
394744 2008 FD_{33}	16.3	X	62.52267	139.57934	174.70192	14.43068	0.0876246	0.18964689	3.0003522	21	11 17.2	20.7
394745 2008 FZ_{34}	16.5	X	175.56831	354.23448	173.61703	10.67031	0.1001701	0.18347753	3.0672379	21	9 18.8	21.2
394746 2008 FD_{36}	16.4	X	26.63381	292.88573	6.14566	9.93497	0.0699803	0.17761881	3.1343205	21	9 7.0	20.5
394747 2008 FL_{36}	16.0	X	146.16164	22.06165	173.87431	17.12030	0.0772140	0.18208216	3.0828883	21	9 22.9	20.7
394748 2008 FJ_{39}	16.1	X	141.33094	128.36731	49.31890	10.64715	0.0862723	0.17365879	3.1817902	21	8 31.2	21.1
394749 2008 FM_{47}	16.4	X	238.14006	223.42321	189.58857	26.59940	0.1866279	0.17248349	3.1962276	21	6 24.1	22.0
394750 2008 FF_{51}	17.0	X	173.87758	346.54089	151.67096	2.67962	0.1448237	0.17524532	3.1625574	21	8 11.0	22.1
394751 2008 FP_{55}	16.2	X	73.23393	110.63363	197.17359	15.69528	0.2830180	0.17877941	3.1207410	21	12 10.3	21.4
394752 2008 FO_{94}	16.2	X	252.97391	274.72437	186.57178	9.77144	0.0688150	0.18060927	3.0996264	21	9 23.8	20.4
394753 2008 FJ_{101}	16.3	X	101.86327	120.03267	120.46741	6.66605	0.1124035	0.17540583	3.1606278	21	10 4.9	21.1
394754 2008 FD_{105}	16.8	X	175.21482	127.63873	350.02446	9.91485	0.1790075	0.17716301	3.1396942	21	7 21.2	22.1
394755 2008 FM_{113}	16.5	X	152.22133	124.18373	39.29623	10.46139	0.0594807	0.17271869	3.1933253	21	8 23.7	21.4
394756 2008 FS_{120}	16.3	X	74.36681	122.28296	141.88942	7.22391	0.1534601	0.17556753	3.1586870	21	10 7.9	20.9
394757 2008 FD_{128}	16.2	X	27.59159	277.86057	30.25697	9.55031	0.0790626	0.17554599	3.1589453	21	9 21.8	20.4
394758 2008 FT_{133}	16.4	X	188.72589	288.75030	181.74913	5.77238	0.1268927	0.17276610	3.1927410	21	7 21.4	21.6
394759 2008 FH_{134}	15.7	X	251.44004	31.06842	22.62226	15.96397	0.0597464	0.17096691	3.2151014	21	7 31.0	20.6
394760 2008 GH_{17}	16.4	X	229.70131	260.54999	177.08142	11.48094	0.0967892	0.17696845	3.1419950	21	7 23.8	21.3
394761 2008 GF_{18}	16.4	X	155.44744	99.90389	40.19538	16.49026	0.1680385	0.17133496	3.2104954	21	8 2.8	21.9
394762 2008 GZ_{22}	16.7	X	186.96505	85.72692	35.35783	11.68614	0.1621517	0.17505165	3.1648896	21	8 6.6	22.1
394763 2008 GO_{25}	16.4	X	335.32809	271.88279	71.04076	5.43692	0.1099079	0.17204183	3.2016954	21	8 15.7	20.3
394764 2008 GG_{27}	16.6	X	87.68481	15.75031	249.94141	1.27143	0.1439155	0.18296044	3.0730143	21	10 21.1	21.2
394765 2008 GH_{27}	16.3	X	235.19690	46.27486	12.01289	10.67616	0.0271908	0.17451415	3.1713849	21	7 18.0	21.0
394766 2008 GH_{29}	16.8	X	178.36624	279.73732	198.20556	0.56639	0.1220278	0.17295366	3.1904324	21	7 21.7	21.9
394767 2008 GU_{29}	16.6	X	79.58039	165.74011	62.00404	0.37609	0.1290134	0.17137382	3.2100101	21	8 23.9	21.2
394768 2008 GB_{32}	15.8	X	110.42780	111.80839	82.48775	10.06749	0.1259679	0.16930071	3.2361616	21	8 20.3	20.8
394769 2008 GP_{32}	15.6	X	67.83588	98.31752	196.04680	26.00997	0.2249610	0.17530064	3.1618922	21	11 13.8	20.6
394770 2008 GO_{33}	16.3	X	141.84978	305.22187	190.09138	10.75081	0.0491160	0.16729936	3.2619192	21	7 1.0	21.3
394771 2008 GG_{48}	16.0	X	97.83825	46.96925	185.86326	17.51479	0.1406574	0.17874343	3.1211597	21	9 20.9	20.8
394772 2008 GR_{50}	16.2	X	73.32667	79.06252	190.03584	15.63346	0.2350674	0.17431036	3.1738562	21	10 21.7	21.0
394773 2008 GX_{50}	16.5	X	50.64800	141.11969	156.50140	3.20101	0.1954958	0.17571620	3.1569050	21	10 24.7	20.7
394774 2008 GG_{80}	15.7	X	189.86062	306.50104	185.14836	26.12029	0.2944745	0.17930450	3.1146453	21	8 10.9	21.7
394775 2008 GM_{82}	16.2	X	121.23163	35.03099	158.03536	5.17089	0.0966357	0.17224531	3.1991734	21	8 23.7	21.1
394776 2008 GW_{83}	16.4	X	186.16953	312.85686	188.49517	9.66715	0.0488931	0.17627960	3.1501750	21	8 27.1	21.1
394777 2008 GP_{94}	17.1	X	119.24746	20.60238	170.56037	0.69266	0.1133861	0.17325276	3.1867593	21	8 21.1	22.0
394778 2008 GZ_{105}	16.5	X	200.45869	65.39469	40.81309	10.11146	0.0578235	0.17208234	3.2011930	21	8 4.7	21.4
394779 2008 GZ_{106}	15.8	X	104.05794	94.17155	155.88044	9.35221	0.1122637	0.18138489	3.0907839	21	10 19.1	20.5
394780 2008 GM_{114}	15.8	X	110.49188	76.69097	104.80888	19.07475	0.1381707	0.16818814	3.2504174	21	8 3.7	20.8
394781 2008 GU_{131}	15.6	X	331.64992	304.16146	53.89143	22.37899	0.0403525	0.17383022	3.1796979	21	9 14.7	20.4
394782 2008 GB_{142}	15.3	X	93.84673	6.44249	238.26168	22.29546	0.1861512	0.17432885	3.1736318	21	9 30.7	20.6
394783 2008 HD_{3}	19.8	X	92.17950	223.76151	222.07581	52.00520	0.3359636	0.81901106	1.1313827	21	—	—
394784 2008 HG_{14}	16.4	X	119.26187	16.60030	212.29619	11.02329	0.0260386	0.17921255	3.1157105	21	9 26.7	20.9
394785 2008 HQ_{18}	15.7	X	61.94479	90.00370	117.79313	9.14768	0.0916458	0.16045152	3.3540806	21	6 30.6	20.2
394786 2008 HE_{40}	16.3	X	68.53803	42.07908	204.45508	5.05596	0.1336763	0.17127781	3.2112096	21	9 1.7	20.9
394787 2008 HC_{42}	15.3	X	359.31384	45.18283	230.03876	7.61694	0.0776286	0.15727343	3.3991146	21	6 23.5	19.8
394788 2008 HV_{55}	18.6	X	61.74110	153.48946	149.23417	1.50117	0.2086625	0.32263329	2.1053773	21	12 6.6	21.4
394789 2008 HF_{57}	15.4	X	4.97470	190.89902	160.29847	15.15159	0.1869814	0.17250304	3.1959861	21	10 22.6	19.2
394790 2008 KS_{28}	15.2	X	170.08664	49.02357	101.43999	28.02201	0.1677472	0.17057058	3.2200798	21	8 28.3	20.9
394791 2008 KO_{33}	16.2	X	108.71050	139.66015	175.76606	9.60042	0.0984876	0.18628564	3.0363358	21	—	—
394792 2008 PR	18.0	X	326.87262	114.40210	196.65275	2.37414	0.1753470	0.29612908	2.2291982	21	6 3.6	19.9
394793 2008 PR_{21}	17.7	X	0.07029	290.96193	48.13482	6.92896	0.2237565	0.30565484	2.1826388	21	10 26.9	18.9
394794 2008 QV_{7}	17.7	X	337.28201	346.78359	332.71358	3.64443	0.2745291	0.30051862	2.2074377	21	6 27.9	18.5
394795 2008 QA_{38}	17.9	X	290.37606	209.40647	135.34167	1.60273	0.1253352	0.29091684	2.2557457	21	6 1.9	20.5
394796 2008 QL_{39}	17.9	X	324.91631	3.23076	297.95085	1.75356	0.1664574	0.29128544	2.2538423	21	5 15.2	20.1
394797 2008 QL_{45}	17.2	X	319.42258	12.71179	274.09684	5.31567	0.1196326	0.28877466	2.2668876	21	4 19.7	19.7
394798 2008 RA_{8}	13.9	X	325.79528	232.75663	193.89680	15.21716	0.0764172	0.08242696	5.2290548	21	11 2.3	20.5
394799 2008 RN_{9}	17.8	X	202.11961	136.52860	224.83628	3.65326	0.1203786	0.27371107	2.3493144	21	3 13.9	21.4
394800 2008 RL_{26}	17.1	X	303.68636	32.06508	353.05049	3.81234	0.2123990	0.22256040	2.6967300	21	8 8.2	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394801 2008 RY_{43}	17.9	X	313.40823	166.29235	158.39895	1.69250	0.1523833	0.29263597	2.2469026	21	6 3.9	20.2
394802 2008 RE_{50}	16.9	X	12.75917	297.46815	288.34022	5.97545	0.0781442	0.28667411	2.2779476	21	4 25.4	19.4
394803 2008 RQ_{51}	17.8	X	271.11589	157.00368	209.82658	5.23976	0.1787808	0.29229001	2.2486752	21	5 30.2	20.7
394804 2008 RS_{68}	18.2	X	292.40167	220.85742	136.64042	4.69467	0.2611965	0.29323219	2.2438559	21	6 1.3	20.9
394805 2008 RY_{77}	17.9	X	280.48196	23.87413	329.12080	2.65728	0.1916646	0.29111497	2.2547221	21	5 19.1	20.7
394806 2008 RV_{97}	17.8	X	231.21792	331.96236	35.87984	4.90544	0.1699327	0.27588372	2.3369639	21	4 20.3	21.3
394807 2008 RK_{107}	17.6	X	296.54575	114.72514	199.22945	9.27916	0.1770573	0.28860085	2.2677977	21	4 18.5	20.2
394808 2008 RV_{124}	14.2	X	304.31207	285.58183	176.86276	9.08828	0.0422013	0.08430841	5.1509672	21	11 18.8	21.0
394809 2008 RP_{134}	17.3	X	318.86458	62.89789	221.20679	5.73584	0.1428895	0.28545359	2.2844362	21	4 12.7	19.8
394810 2008 RB_{137}	18.1	X	5.25591	290.30305	340.44775	4.11664	0.1197344	0.29154099	2.2525250	21	6 25.9	19.9
394811 2008 RJ_{137}	17.4	X	235.11257	162.94821	223.92368	7.15792	0.0808381	0.28755440	2.2732963	21	5 26.2	20.3
394812 2008 SA_{4}	17.0	X	161.56317	7.27850	21.22622	9.67433	0.1521777	0.26995374	2.3710633	21	3 14.3	20.5
394813 2008 SO_{17}	17.6	X	297.03435	22.31727	307.02657	2.92903	0.1919094	0.29260142	2.2470795	21	5 6.8	20.1
394814 2008 SV_{19}	17.7	X	94.64807	271.92592	196.53756	5.52563	0.0709664	0.27664474	2.3326761	21	3 21.8	20.3
394815 2008 SG_{21}	17.9	X	37.52886	317.64006	271.90228	2.52473	0.1980851	0.29595811	2.2300566	21	7 6.8	19.3
394816 2008 SX_{23}	18.3	X	25.29104	256.36656	353.71290	2.55513	0.1773094	0.29606213	2.2295342	21	7 11.5	19.8
394817 2008 SQ_{42}	17.3	X	24.40392	195.06655	11.73068	6.58735	0.0500116	0.27756115	2.3275388	21	4 19.6	19.8
394818 2008 SX_{44}	18.4	X	99.06573	209.41892	189.88574	2.20549	0.1888682	0.25622063	2.4550480	21	1 14.3	21.1
394819 2008 SJ_{48}	17.8	X	144.07029	239.37861	192.93740	6.16597	0.0692068	0.27571754	2.3379028	21	4 9.2	20.7
394820 2008 SW_{55}	17.8	X	122.81465	31.63463	21.05856	6.85418	0.1012198	0.26372110	2.4082753	21	2 23.2	20.9
394821 2008 SD_{74}	13.8	X	2.06381	199.55889	204.58555	10.41480	0.0742597	0.08249063	5.2263638	21	11 23.3	20.4
394822 2008 SZ_{88}	17.9	X	316.21211	112.80488	202.68442	5.53942	0.1485040	0.28799282	2.2709885	21	5 26.9	20.1
394823 2008 SY_{107}	18.1	X	346.42672	79.60641	226.92341	5.66155	0.2520654	0.29731300	2.2232764	21	7 4.6	19.1
394824 2008 SG_{112}	17.3	X	358.23725	131.02524	162.17251	5.96867	0.1716852	0.29476616	2.2360643	21	7 18.4	18.7
394825 2008 SE_{127}	17.8	X	347.21640	253.40402	207.84312	6.45691	0.2693495	0.24025919	2.5626111	21	—	—
394826 2008 SY_{137}	17.9	X	149.20697	347.57538	63.40046	2.30997	0.1574328	0.26787888	2.3832910	21	3 29.1	21.2
394827 2008 SO_{139}	17.6	X	277.15683	147.58669	199.55240	4.65713	0.1880801	0.28950468	2.2630752	21	5 8.9	20.5
394828 2008 SU_{139}	17.7	X	292.88776	102.74772	250.93677	1.84437	0.1796872	0.29268799	2.2466364	21	6 9.3	20.1
394829 2008 SH_{144}	18.2	X	202.72919	181.49501	208.49557	4.91426	0.0831271	0.28186188	2.3038020	21	4 21.8	21.4
394830 2008 SF_{155}	17.3	X	194.90583	206.56587	145.54173	4.56098	0.1129028	0.27035452	2.3687195	21	2 24.7	20.9
394831 2008 SX_{155}	17.4	X	238.65058	197.37478	143.84805	6.56316	0.2505108	0.27839591	2.3228838	21	3 21.8	21.3
394832 2008 SO_{157}	17.5	X	182.33960	226.75181	184.25197	12.03016	0.1399573	0.27888144	2.3201869	21	5 1.1	21.1
394833 2008 SN_{159}	17.5	X	173.65020	54.36494	353.73788	4.77646	0.0919940	0.27582956	2.3372698	21	4 12.3	20.8
394834 2008 SF_{163}	17.6	X	39.99661	134.88337	162.81003	5.07969	0.2042950	0.30670569	2.1776504	21	11 1.7	20.0
394835 2008 SN_{163}	17.4	X	171.58224	13.74840	24.94282	7.25693	0.1930694	0.27279346	2.3545798	21	4 6.1	20.9
394836 2008 SD_{165}	17.3	X	166.01648	6.73153	28.61986	3.60620	0.1869282	0.27013918	2.3699781	21	3 27.7	20.8
394837 2008 SF_{180}	17.6	X	337.63573	265.50915	77.14461	5.68649	0.2663934	0.29964165	2.2117427	21	8 25.7	18.3
394838 2008 SL_{189}	18.5	X	77.29710	15.74738	266.35816	1.94039	0.1866274	0.30973170	2.1634438	21	11 20.9	21.6
394839 2008 SS_{215}	17.2	X	11.90732	204.86787	10.49955	6.35894	0.0889978	0.28030669	2.3123154	21	4 10.3	19.4
394840 2008 SV_{224}	17.5	X	308.91344	186.12008	14.88069	7.14951	0.0517959	0.25903060	2.4372608	21	—	—
394841 2008 SU_{234}	18.4	X	24.40379	150.83983	135.19166	2.69372	0.2040371	0.30126406	2.2037949	21	9 16.2	20.0
394842 2008 SP_{238}	17.9	X	10.77239	275.73439	45.13164	7.78702	0.2390117	0.30288397	2.1959302	21	10 22.9	19.5
394843 2008 SZ_{241}	17.5	X	262.45426	260.31340	129.82501	4.39341	0.1467832	0.29119650	2.2543012	21	6 25.7	20.2
394844 2008 SM_{249}	17.1	X	151.24185	41.74511	5.75421	6.92022	0.1113831	0.26792288	2.3830301	21	3 21.4	20.3
394845 2008 SG_{251}	17.6	X	41.56807	292.33255	190.13645	6.03269	0.0835679	0.26024200	2.4296915	21	1 19.4	20.3
394846 2008 SN_{251}	17.3	X	170.95686	257.43544	164.98208	6.02125	0.0914964	0.27592567	2.3367270	21	5 1.9	20.6
394847 2008 SZ_{271}	17.4	X	248.11808	150.61559	199.98644	6.74757	0.1385803	0.28362070	2.2942677	21	4 16.4	20.4
394848 2008 SE_{273}	17.4	X	204.09881	339.76288	42.30995	7.56834	0.1109400	0.27242608	2.3566962	21	4 14.8	20.9
394849 2008 SW_{277}	17.3	X	134.22705	341.68921	70.06922	4.56638	0.1745127	0.26513214	2.3997231	21	3 17.6	20.6
394850 2008 SP_{300}	16.9	X	135.88261	215.30907	214.53551	22.90643	0.2407993	0.26963328	2.3729416	21	4 15.2	20.7
394851 2008 SU_{309}	17.3	X	339.40495	302.07687	170.12064	4.23024	0.2125409	0.23777182	2.5804521	21	—	—
394852 2008 TV_{32}	17.1	X	167.32043	208.98558	187.12450	5.95328	0.1148920	0.27026880	2.3692203	21	3 23.8	20.5
394853 2008 TS_{36}	17.7	X	124.43672	50.79410	358.28978	4.92384	0.0851847	0.26552412	2.3973608	21	2 16.2	20.6
394854 2008 TT_{44}	18.3	X	3.95295	251.79187	213.09715	11.88259	0.2338614	0.24327886	2.5413616	21	—	—
394855 2008 TG_{49}	17.9	X	8.70222	30.88701	237.01829	4.40072	0.1359847	0.29244537	2.2478788	21	6 28.5	19.5
394856 2008 TL_{58}	18.3	X	29.64807	171.46024	125.94218	1.30527	0.2369717	0.30354861	2.1927236	21	10 20.5	20.3
394857 2008 TQ_{67}	17.5	X	184.15662	233.93401	134.14796	1.93849	0.1978760	0.26892774	2.3770901	21	3 10.5	21.2
394858 2008 TE_{71}	17.1	X	260.77462	148.74771	175.07379	6.10607	0.1570877	0.27754458	2.3276315	21	3 24.6	20.5
394859 2008 TF_{74}	17.8	X	229.70532	86.54364	231.74025	3.53516	0.0624316	0.26663524	2.3906960	21	2 17.2	21.1
394860 2008 TL_{85}	18.3	X	311.56992	111.84583	195.45567	4.21433	0.2261664	0.28963559	2.2623933	21	4 22.0	20.8
394861 2008 TT_{115}	17.1	X	84.58111	198.98612	236.51994	8.04296	0.2403034	0.25765757	2.4459117	21	2 14.7	19.8
394862 2008 TB_{116}	17.6	X	312.40773	12.79156	321.88776	5.18137	0.2194049	0.29248244	2.2476888	21	6 4.4	19.9
394863 2008 TE_{116}	17.0	X	311.59737	74.36350	356.51604	10.02470	0.1529713	0.22890476	2.6466682	21	11 2.0	19.8
394864 2008 TG_{118}	17.3	X	143.42390	354.04869	54.51293	2.20954	0.1268744	0.26545935	2.3977507	21	3 16.5	20.7
394865 2008 TD_{130}	16.9	X	45.70435	213.17153	232.90515	5.47071	0.0742986	0.25349175	2.4726359	21	—	—
394866 2008 TO_{136}	17.6	X	136.24546	32.09447	17.90165	2.38733	0.1986138	0.26471719	2.4022302	21	3 18.3	20.9
394867 2008 TF_{158}	17.9	X	315.37244	202.29720	129.36692	4.13645	0.1644461	0.29222135	2.2490274	21	6 16.7	19.9
394868 2008 TQ_{167}	16.9	X	86.63385	207.83238	238.29767	7.96677	0.1161106	0.26319565	2.4114795	21	2 12.2	19.8
394869 2008 TP_{173}	14.0	X	301.58507	249.83911	211.11554	20.52382	0.1076659	0.08177745	5.2567058	21	11 5.7	20.6
394870 2008 TD_{180}	17.5	X	337.43692	205.06942	125.34449	6.74682	0.1795124	0.29856983	2.2170327	21	8 2.5	18.9
394871 2008 TH_{181}	17.4	X	313.08933	43.38651	78.29723	13.96583	0.2436710	0.23270897	2.6177448	21	—	—
394872 2008 TN_{185}	17.5	X	216.12081	217.97413	139.57947	2.74668	0.2002657	0.27305686	2.3530653	21	3 24.6	21.4
394873 2008 TC_{189}	17.6	X	282.68979	351.50941	343.99731	5.34852	0.1790714	0.28461989	2.2888951	21	4 28.1	20.6
394874 2008 UF_{3}	17.1	X	330.49742	275.42187	129.32634	4.58129	0.2370104	0.22844970	2.6501817	21	11 7.2	19.1
394875 2008 UU_{9}	17.3	X	291.86790	247.46467	225.18858	4.27522	0.2191286	0.23377347	2.6097920	21	11 21.3	19.9
394876 2008 UG_{18}	17.5	X	226.93068	297.67713	19.62376	7.16858	0.1103560	0.26902533	2.3765153	21	2 16.1	21.0
394877 2008 UC_{35}	17.3	X	65.10982	291.82548	211.45087	5.39411	0.0749086	0.26638677	2.3921824	21	3 27.6	19.8
394878 2008 UH_{61}	17.4	X	342.43427	55.58890	243.07154	6.66285	0.1336415	0.28773952	2.2723211	21	6 22.2	19.3
394879 2008 UL_{66}	17.3	X	267.53303	63.57009	273.91266	4.57142	0.1902934	0.27976126	2.3153199	21	4 12.5	20.8
394880 2008 UZ_{76}	17.7	X	195.61310	329.97328	37.51396	5.30877	0.1377169	0.26776569	2.3839626	21	3 19.7	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394881 2008 UW_{93}	16.7	X	47.47605	359.13170	91.23278	9.01003	0.1530454	0.25144784	2.4860171	21	—	—
394882 2008 UM_{115}	16.8	X	327.98074	148.42250	334.69146	5.23175	0.1382029	0.23996842	2.5646808	21	—	—
394883 2008 UH_{142}	17.4	X	315.06000	244.07548	220.16655	8.72343	0.1743263	0.23248558	2.6194214	21	12 30.2	20.0
394884 2008 UC_{146}	18.0	X	320.56626	103.28092	202.75647	4.36691	0.1554237	0.28436019	2.2902885	21	5 18.9	20.1
394885 2008 UR_{146}	16.8	X	303.46654	25.58849	238.24468	7.28537	0.0507044	0.26786122	2.3833957	21	3 7.4	19.9
394886 2008 UB_{147}	17.7	X	267.58839	306.84461	12.45264	2.20619	0.2145430	0.27680759	2.3317611	21	3 20.3	21.1
394887 2008 UV_{148}	17.3	X	284.12116	86.43358	234.19593	5.94990	0.1229625	0.27782501	2.3260649	21	4 19.1	20.2
394888 2008 UB_{176}	17.8	X	304.70249	27.72348	281.64282	1.74588	0.1504077	0.28387874	2.2928772	21	4 27.1	20.3
394889 2008 UP_{182}	17.3	X	243.13194	286.05909	41.98797	10.59056	0.2021992	0.27540055	2.3396964	21	3 14.9	21.2
394890 2008 UK_{185}	17.1	X	307.89975	157.94164	72.93932	3.61191	0.0715080	0.25960352	2.4336736	21	1 31.3	20.2
394891 2008 UC_{188}	18.2	X	238.22668	229.00109	127.18317	3.02301	0.2166972	0.27602973	2.3361397	21	4 10.4	21.9
394892 2008 UE_{192}	17.3	X	232.16914	288.38931	56.30591	7.69676	0.1413330	0.27312542	2.3526716	21	3 27.4	20.9
394893 2008 UP_{201}	17.4	X	339.62409	35.42672	45.33273	5.78826	0.2940612	0.23253594	2.6190432	21	—	—
394894 2008 UW_{219}	17.8	X	167.63345	67.96128	334.17960	1.71298	0.1403194	0.26925359	2.3751719	21	4 2.5	21.3
394895 2008 UN_{222}	17.3	X	320.03102	7.60475	252.17697	7.33938	0.1195289	0.27215882	2.3582388	21	3 12.9	20.3
394896 2008 UH_{248}	16.7	X	175.07045	277.79768	65.61647	8.25884	0.1278619	0.25759185	2.4463277	21	1 29.1	20.4
394897 2008 UH_{267}	17.7	X	22.46764	293.78275	202.94793	5.76105	0.1323170	0.26047041	2.4282708	21	1 4.2	20.3
394898 2008 UB_{272}	17.1	X	352.98044	180.11369	264.60841	2.60989	0.1829618	0.23754753	2.5820761	21	—	—
394899 2008 UL_{298}	17.0	X	280.77206	125.76734	16.32749	6.97011	0.2388934	0.23054753	2.6340806	21	12 6.5	19.8
394900 2008 UT_{298}	17.5	X	317.53568	261.97477	22.18694	7.27984	0.1148136	0.27708614	2.3301981	21	4 17.1	19.9
394901 2008 UZ_{308}	17.4	X	253.17411	348.97492	0.42507	5.33064	0.1714423	0.27850170	2.3222955	21	4 16.0	20.7
394902 2008 UT_{338}	17.1	X	331.59172	217.04270	4.32974	7.80724	0.0575722	0.26828705	2.3808731	21	2 21.7	20.0
394903 2008 UL_{352}	16.4	X	133.95672	224.08293	106.42214	12.71323	0.0640929	0.23563496	2.5960292	21	—	—
394904 2008 UW_{354}	17.5	X	256.90883	220.56528	91.00332	7.19907	0.1317576	0.26801294	2.3824961	21	3 11.4	21.1
394905 2008 US_{367}	17.4	X	266.71127	161.30987	181.06554	5.92570	0.1971485	0.28183026	2.3039743	21	4 20.6	20.7
394906 2008 UV_{368}	17.2	X	278.13544	172.61237	112.85940	5.03444	0.0131855	0.26568325	2.3964035	21	3 14.9	20.2
394907 2008 UY_{369}	17.1	X	165.20404	348.28839	48.87881	7.30933	0.1176272	0.26484391	2.4014639	21	3 27.1	20.6
394908 2008 VG_{24}	16.9	X	95.43727	236.44856	209.57104	6.33861	0.1086775	0.25860730	2.4399197	21	2 26.9	19.8
394909 2008 VZ_{38}	17.1	X	231.62698	259.67836	44.49270	5.65101	0.1095260	0.26166191	2.4208936	21	2 4.8	20.8
394910 2008 VL_{47}	16.6	X	98.51048	152.85701	256.86157	4.64483	0.1100208	0.25305867	2.4754561	21	1 15.9	19.6
394911 2008 VX_{54}	18.0	X	151.90715	144.79462	255.70964	4.04716	0.0624635	0.26689565	2.3891406	21	3 4.8	21.3
394912 2008 VP_{59}	17.4	X	201.34987	154.23737	220.94522	6.06381	0.1152537	0.27170244	2.3608788	21	3 31.1	20.9
394913 2008 VJ_{68}	16.9	X	277.00801	61.91093	110.42863	7.84649	0.2179930	0.22804917	2.6532839	21	—	—
394914 2008 VO_{78}	16.9	X	339.48062	42.40534	66.88710	32.79540	0.2295488	0.23656975	2.5891859	21	—	—
394915 2008 VL_{79}	17.5	X	171.66838	11.02212	16.37030	3.78643	0.0615695	0.26381814	2.4076847	21	3 14.9	20.8
394916 2008 VT_{79}	16.9	X	19.42096	63.51478	26.39899	4.90342	0.2451581	0.23894893	2.5719705	21	—	—
394917 2008 VG_{80}	17.2	X	317.04897	183.89681	250.77671	4.30941	0.1566406	0.22075994	2.7113726	21	11 19.5	20.0
394918 2008 WD_{11}	17.6	X	112.85715	150.59378	264.44721	2.64223	0.1824049	0.25836049	2.4414733	21	2 22.3	20.7
394919 2008 WN_{27}	17.5	X	341.33902	346.35968	244.13679	5.46632	0.0713499	0.26817331	2.3815462	21	3 13.3	20.4
394920 2008 WN_{47}	17.1	X	276.21080	92.62927	68.23631	13.62024	0.2014545	0.23131272	2.6282683	21	12 31.5	20.1
394921 2008 WR_{65}	17.2	X	176.56953	308.57457	66.95120	7.19564	0.1473315	0.26507235	2.4000840	21	3 13.9	20.9
394922 2008 WM_{66}	17.4	X	197.04783	311.76353	64.39265	7.31296	0.1368599	0.26922178	2.3753590	21	4 2.5	21.1
394923 2008 WY_{67}	16.8	X	295.80624	260.76990	244.72573	11.76065	0.1887815	0.23278124	2.6172030	21	—	—
394924 2008 WU_{78}	16.8	X	303.22940	155.58455	84.24456	9.88830	0.0155491	0.26017953	2.4300804	21	2 16.9	20.0
394925 2008 WV_{79}	16.8	X	79.19127	248.06143	156.11970	3.88910	0.0884458	0.24752222	2.5122330	21	—	—
394926 2008 WP_{81}	17.5	X	316.75066	0.06119	117.90417	4.47659	0.0958047	0.23394377	2.6085253	21	—	—
394927 2008 WU_{85}	17.3	X	9.94718	13.31922	108.41986	4.45823	0.0632852	0.24300555	2.5432668	21	—	—
394928 2008 WN_{91}	16.2	X	236.65711	77.03208	118.70877	17.15024	0.1343430	0.22200160	2.7012533	21	12 28.6	20.0
394929 2008 WO_{92}	16.0	X	100.74563	95.69533	267.33413	7.64936	0.2912074	0.24339852	2.5405286	21	—	—
394930 2008 WV_{94}	18.2	X	233.59700	150.13876	215.10338	0.83938	0.1992533	0.27655110	2.3332026	21	4 17.2	21.7
394931 2008 WV_{101}	16.7	X	66.62971	231.95130	161.94810	4.30787	0.2306797	0.24281155	2.5446213	21	—	—
394932 2008 WG_{106}	17.5	X	359.41132	126.19972	355.95685	4.73497	0.1087316	0.24501732	2.5293263	21	—	—
394933 2008 WX_{112}	17.9	X	200.86762	294.38699	73.80236	3.22282	0.1018005	0.26711491	2.3878331	21	3 25.0	21.4
394934 2008 WG_{120}	17.0	X	26.79357	336.58807	87.57356	13.61852	0.2442309	0.23799157	2.5788633	21	—	—
394935 2008 WA_{133}	16.9	X	282.72660	192.94599	133.50864	8.98142	0.2887451	0.28123177	2.3072419	21	4 8.6	20.5
394936 2008 WK_{134}	16.0	X	291.33937	16.25225	77.48340	27.76691	0.1340720	0.21950934	2.7216611	21	11 12.6	19.6
394937 2008 WD_{137}	16.8	X	296.83307	92.07116	73.38581	13.97173	0.2158159	0.23494658	2.6010975	21	—	—
394938 2008 XY_{1}	16.6	X	42.53660	107.42877	248.90454	23.00098	0.3035877	0.31020930	2.1612226	21	—	—
394939 2008 XP_{39}	17.7	X	250.70124	91.04905	277.84381	4.44595	0.2496491	0.28028257	2.3124481	21	5 2.3	21.5
394940 2008 XT_{41}	17.5	X	79.60941	23.27102	27.83909	3.82703	0.1453543	0.24566091	2.5249067	21	—	—
394941 2008 XK_{43}	17.4	X	230.91914	296.26534	323.16006	3.06156	0.0953684	0.24209873	2.5496136	21	—	—
394942 2008 XK_{53}	16.6	X	347.52141	14.82134	72.61846	10.43026	0.2005299	0.23046921	2.6346773	21	—	—
394943 2008 XT_{55}	16.9	X	118.24813	306.71542	110.73192	9.74675	0.1521062	0.25692087	2.4505851	21	3 5.1	20.2
394944 2008 YR_{8}	17.6	X	7.16890	230.76818	235.87004	1.86788	0.1635846	0.24173587	2.5521644	21	—	—
394945 2008 YV_{14}	17.9	X	179.77922	124.34198	251.60005	4.24510	0.1171073	0.26444947	2.4038512	21	3 9.8	21.5
394946 2008 YZ_{23}	16.7	X	12.86846	291.96807	116.43802	5.65215	0.3479581	0.23310208	2.6148008	21	—	—
394947 2008 YE_{33}	17.8	X	331.45524	317.19131	140.41317	4.89554	0.2723269	0.23000349	2.6382327	21	—	—
394948 2008 YG_{48}	16.7	X	245.48612	98.52808	111.03706	13.78486	0.2127778	0.22630525	2.6668973	21	—	—
394949 2008 YR_{51}	16.4	X	263.19020	91.72122	109.51830	13.93618	0.1111551	0.23072827	2.6327049	21	—	—
394950 2008 YH_{57}	16.9	X	239.17326	294.60998	302.66144	7.93958	0.0555876	0.23752982	2.5822044	21	—	—
394951 2008 YF_{59}	16.4	X	347.95790	29.57846	101.54611	15.24163	0.1048584	0.23817326	2.5775517	21	—	—
394952 2008 YW_{59}	17.3	X	316.59109	140.74220	22.23535	1.99761	0.0891043	0.23730894	2.5838065	21	—	—
394953 2008 YB_{63}	17.2	X	256.14110	343.74502	171.46349	3.64922	0.2467001	0.21965467	2.7204605	21	11 15.5	20.8
394954 2008 YE_{68}	17.4	X	14.14688	8.11818	103.69153	6.69253	0.0286537	0.23604231	2.5930416	21	—	—
394955 2008 YJ_{68}	16.5	X	13.52800	305.32970	115.57993	13.58249	0.1644225	0.22814099	2.6525719	21	—	—
394956 2008 YV_{76}	16.6	X	317.89534	336.31899	120.13158	14.57168	0.2153817	0.22589712	2.6701085	21	12 23.9	19.0
394957 2008 YT_{97}	17.5	X	356.84068	76.34393	34.42921	2.07605	0.0263391	0.23357542	2.6112671	21	—	—
394958 2008 YW_{102}	17.4	X	95.70584	261.08624	150.40798	1.65587	0.1413861	0.24684495	2.5168261	21	1 21.0	20.2
394959 2008 YA_{108}	17.0	X	130.94849	254.89182	117.49109	15.81522	0.1356564	0.24464416	2.5318977	21	1 17.7	20.2
394960 2008 YC_{110}	17.9	X	316.81250	348.52874	122.98414	3.11324	0.1835471	0.22744013	2.6580185	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
394961 2008 YY_{113}	17.3	X	298.15798	206.67148	288.72833	3.44598	0.0856024	0.22840158	2.6505540	21	—	—
394962 2008 YH_{115}	17.1	X	299.90604	35.37684	104.39378	9.39762	0.1531403	0.22841173	2.6504754	21	—	—
394963 2008 YP_{119}	17.4	X	214.46609	255.06454	74.17080	5.00665	0.1295027	0.25616714	2.4553897	21	2 19.6	21.2
394964 2008 YT_{127}	17.3	X	9.84896	161.23001	302.13522	2.06588	0.0976888	0.23543150	2.5975246	21	—	—
394965 2008 YO_{135}	17.6	X	298.96083	158.18879	0.42876	1.82335	0.1263955	0.23348894	2.6119118	21	—	—
394966 2008 YW_{140}	17.4	X	258.67657	25.42440	194.84552	2.49815	0.0682872	0.23458545	2.6037663	21	—	—
394967 2008 YO_{143}	17.1	X	196.12359	236.14917	141.84715	2.89220	0.2183068	0.26332651	2.4106805	21	4 3.3	21.2
394968 2008 YC_{155}	16.6	X	323.16681	70.13346	45.54921	11.35394	0.1354761	0.22817090	2.6523401	21	—	—
394969 2008 YG_{163}	17.2	X	44.45910	142.82357	129.04835	3.07328	0.0055278	0.20272044	2.8699282	21	8 19.4	21.1
394970 2008 YG_{167}	17.3	X	355.28296	12.22257	98.75042	4.28245	0.1663084	0.23902008	2.5714601	21	—	—
394971 2008 YH_{170}	18.0	X	157.39367	115.43785	273.93304	1.11426	0.1919412	0.25628771	2.4546196	21	3 12.5	21.8
394972 2008 YD_{173}	17.0	X	268.07362	240.29138	255.85561	3.58653	0.0659704	0.21949792	2.7217555	21	12 2.8	20.3
394973 2009 AL_{2}	16.9	X	191.90978	47.62657	267.05883	5.64229	0.0910894	0.24606574	2.5221367	21	1 7.8	20.5
394974 2009 AK_{7}	17.3	X	96.58617	259.43156	160.72020	6.24752	0.1225904	0.25402606	2.4691674	21	1 28.8	20.1
394975 2009 AY_{11}	16.0	X	0.24916	311.24157	112.43810	22.84229	0.0367580	0.22635232	2.6665276	21	—	—
394976 2009 AK_{16}	16.9	X	340.15958	40.70581	59.61678	12.50241	0.1424868	0.22895321	2.6462948	21	—	—
394977 2009 AZ_{21}	17.2	X	257.46705	358.94867	261.23183	2.27351	0.1081444	0.24565538	2.5249446	21	1 7.9	20.8
394978 2009 AK_{22}	17.8	X	144.54068	119.74942	272.55705	1.14786	0.1564269	0.25472674	2.4646373	21	2 28.0	21.2
394979 2009 AP_{27}	17.4	X	359.47385	152.14892	319.59285	3.22783	0.0187031	0.23447240	2.6046032	21	—	—
394980 2009 AF_{49}	16.8	X	88.40313	290.66230	97.70959	8.55390	0.1739535	0.24182984	2.5515032	21	—	—
394981 2009 BF_{4}	16.6	X	268.45911	324.20526	226.98483	5.21055	0.1495528	0.22949839	2.6421023	21	—	—
394982 2009 BZ_{15}	16.8	X	207.25222	324.28370	286.83662	11.38611	0.0961623	0.23155660	2.6264226	21	—	—
394983 2009 BZ_{16}	16.6	X	356.38650	10.36074	92.81086	3.29151	0.1207233	0.23271913	2.6176685	21	—	—
394984 2009 BC_{18}	16.8	X	11.74757	333.58262	334.53132	2.18825	0.0403982	0.20151194	2.8813910	21	8 25.4	20.4
394985 2009 BA_{19}	17.5	X	328.84946	23.03524	121.01030	5.43863	0.0661575	0.23642002	2.5902790	21	—	—
394986 2009 BZ_{24}	16.9	X	311.19558	32.88359	114.15799	14.03162	0.1000472	0.23115613	2.6294552	21	—	—
394987 2009 BH_{26}	17.3	X	246.00439	184.64514	57.60959	3.30101	0.2388293	0.23288949	2.6163919	21	—	—
394988 2009 BH_{34}	17.8	X	309.98977	157.52241	348.78196	3.03839	0.0970037	0.22943613	2.6425802	21	—	—
394989 2009 BH_{37}	17.4	X	333.24470	117.34212	343.05385	3.88515	0.0497578	0.22541569	2.6739090	21	—	—
394990 2009 BW_{40}	17.4	X	29.87988	350.07142	100.66348	4.30724	0.0658009	0.23493219	2.6012037	21	—	—
394991 2009 BV_{51}	17.3	X	237.83907	183.58281	38.81008	1.13187	0.0327601	0.23017718	2.6369053	21	—	—
394992 2009 BW_{58}	17.0	X	224.83330	182.09925	75.76430	3.59157	0.1233011	0.23430461	2.6058465	21	—	—
394993 2009 BC_{59}	17.2	X	167.13996	276.91568	96.88958	2.28445	0.1949943	0.25691464	2.4506248	21	3 4.1	21.1
394994 2009 BA_{60}	17.5	X	169.77463	99.71124	276.96906	5.93564	0.1136794	0.25560735	2.4589734	21	2 28.4	21.2
394995 2009 BN_{63}	17.0	X	35.87232	65.16269	334.80385	5.21041	0.0290120	0.22628634	2.6670459	21	—	—
394996 2009 BT_{66}	17.1	X	15.36074	168.71444	232.29095	1.94294	0.0519928	0.22026442	2.7154375	21	—	—
394997 2009 BG_{71}	16.6	X	264.34119	46.46858	122.63993	17.39196	0.2008446	0.22040593	2.7142751	21	12 22.2	20.0
394998 2009 BQ_{77}	16.7	X	313.69929	72.98627	89.36063	9.84672	0.1261722	0.23403437	2.6078521	21	—	—
394999 2009 BJ_{85}	17.0	X	167.05185	71.86632	176.27129	2.61370	0.0142915	0.22096327	2.7097090	21	12 24.5	20.7
395000 2009 BV_{95}	17.0	X	224.78933	103.31712	107.21814	4.63692	0.1382081	0.22427011	2.6830069	21	—	—
395001 2009 BS_{102}	17.1	X	157.23925	317.62612	13.74051	10.71697	0.1236974	0.23385577	2.6091797	21	—	—
395002 2009 BN_{116}	16.5	X	316.58017	352.53952	130.65154	14.86751	0.0500656	0.22701061	2.6613701	21	—	—
395003 2009 BV_{119}	17.6	X	17.91126	138.13454	305.85241	2.12892	0.1532914	0.23486120	2.6017279	21	—	—
395004 2009 BB_{133}	17.4	X	216.04391	294.20337	269.21643	1.76051	0.0245149	0.22195351	2.7016435	21	12 27.6	21.1
395005 2009 BJ_{134}	16.5	X	208.74599	104.42096	131.49109	13.64227	0.1347316	0.22419774	2.6835842	21	—	—
395006 2009 BX_{137}	17.0	X	6.03868	296.64003	126.03351	6.87105	0.2316694	0.22860348	2.6489931	21	—	—
395007 2009 BD_{139}	17.3	X	137.57516	16.46782	285.26764	1.65147	0.0469872	0.22561891	2.6723031	21	—	—
395008 2009 BE_{144}	17.8	X	14.31421	89.61368	350.69383	1.13486	0.0520387	0.22946589	2.6423517	21	—	—
395009 2009 BW_{151}	16.8	X	58.01165	103.70631	255.66850	5.32757	0.0375379	0.22386678	2.6862285	21	—	—
395010 2009 BT_{154}	17.2	X	155.34742	264.54789	99.65350	5.07443	0.1251630	0.24585186	2.5235992	21	2 3.7	20.9
395011 2009 BQ_{158}	17.1	X	204.60669	55.60294	158.21834	4.06574	0.2056903	0.21333619	2.7739142	21	12 6.9	21.6
395012 2009 BF_{174}	17.4	X	218.56190	102.58169	142.99596	8.43005	0.2356212	0.22401169	2.6850699	21	—	—
395013 2009 BQ_{178}	17.3	X	237.57460	279.03591	298.14597	2.22249	0.0518885	0.22367309	2.6877790	21	—	—
395014 2009 BW_{185}	16.2	X	234.81393	165.78498	88.53046	16.01195	0.1049006	0.23326560	2.6135787	21	—	—
395015 2009 BU_{187}	16.2	X	269.45574	150.59807	331.62271	9.03897	0.1582553	0.21211219	2.7845753	21	10 28.8	20.0
395016 2009 BM_{190}	17.0	X	122.59013	219.71569	146.87374	4.86756	0.0588541	0.23649245	2.5897501	21	—	—
395017 2009 CJ_{2}	16.4	X	283.92308	16.76622	123.57339	14.79320	0.1118311	0.22249032	2.6972962	21	12 26.9	19.7
395018 2009 CD_{3}	16.2	X	66.35893	332.65599	78.09843	14.44095	0.2772468	0.24042134	2.5614588	21	—	—
395019 2009 CR_{3}	17.2	X	239.30523	117.52049	47.42896	4.08446	0.1304862	0.21695567	2.7429762	21	11 22.0	20.8
395020 2009 CY_{9}	16.6	X	265.88093	233.47124	276.62048	5.06528	0.0822622	0.21862500	2.7289956	21	12 15.3	20.0
395021 2009 CA_{23}	17.0	X	87.01793	33.31565	291.96452	5.28949	0.0157482	0.21972818	2.7198537	21	12 23.5	20.6
395022 2009 CK_{32}	16.8	X	2.78862	286.61983	143.48010	7.78506	0.2026363	0.22528525	2.6749410	21	—	—
395023 2009 CO_{32}	16.9	X	222.53539	69.82239	142.73850	7.92195	0.1509094	0.21784794	2.7354813	21	12 29.1	21.0
395024 2009 CQ_{37}	17.4	X	343.40444	333.70477	159.60868	5.18963	0.0399953	0.23367884	2.6104965	21	—	—
395025 2009 CG_{41}	17.4	X	310.43643	331.74298	135.19785	1.60487	0.1281726	0.22296192	2.6934913	21	12 24.4	20.1
395026 2009 CC_{45}	17.2	X	92.70290	254.17958	141.10114	15.53372	0.0567737	0.23455839	2.6039665	21	—	—
395027 2009 CN_{45}	17.2	X	126.88650	251.76849	81.40465	3.82812	0.0413107	0.23332495	2.6131355	21	—	—
395028 2009 CG_{50}	16.5	X	259.96430	28.46349	128.11637	5.26761	0.0624022	0.21878951	2.7276275	21	12 18.6	20.1
395029 2009 DN_{16}	16.7	X	2.98679	305.40782	134.48375	6.23271	0.1582299	0.22770451	2.6559606	21	—	—
395030 2009 DY_{19}	17.4	X	150.54212	209.32134	136.40873	10.67339	0.0756915	0.23530655	2.5984441	21	1 1.3	21.1
395031 2009 DE_{26}	17.1	X	349.46744	25.48575	12.67609	3.94972	0.0747691	0.21340179	2.7733457	21	11 22.4	20.4
395032 2009 DZ_{34}	16.7	X	299.17136	316.33261	172.48265	14.94978	0.1212590	0.21628404	2.7486518	21	—	—
395033 2009 DG_{42}	16.8	X	106.51767	278.91857	143.13139	13.76896	0.0128272	0.24375933	2.5380211	21	1 31.9	20.1
395034 2009 DB_{57}	17.1	X	291.97835	108.21460	28.95869	4.56657	0.0574119	0.21852205	2.7298527	21	—	—
395035 2009 DF_{63}	16.4	X	176.54492	136.45972	113.46423	4.23385	0.1639558	0.21255413	2.7807142	21	12 26.6	20.9
395036 2009 DJ_{65}	16.8	X	82.92300	176.80625	142.35930	6.75279	0.0199533	0.21803961	2.7338779	21	12 11.7	20.7
395037 2009 DT_{80}	17.2	X	288.96507	350.08858	135.35215	4.49436	0.0456367	0.21480335	2.7612688	21	12 19.4	20.8
395038 2009 DD_{86}	16.9	X	175.62852	321.30590	309.68804	2.74133	0.1593713	0.21729659	2.7401065	21	—	—
395039 2009 DY_{86}	17.2	X	218.29172	230.88864	315.06377	2.41112	0.1441437	0.21113736	2.7931397	21	11 21.4	21.5
395040 2009 DE_{95}	17.2	X	232.71012	129.34877	46.97707	5.56511	0.0968636	0.21100127	2.7943406	21	12 1.6	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
395041 2009 DK_{98}	17.1	X	226.12714	155.01484	35.88426	4.79546	0.1369768	0.21370721	2.7707027	21	12 7.2	21.1
395042 2009 DL_{101}	16.6	X	352.42520	290.43517	137.88633	10.03711	0.1429004	0.21818309	2.7326792	21	—	—
395043 2009 DY_{105}	16.7	X	164.72158	28.46477	190.03333	1.66850	0.0380833	0.20446609	2.8535699	21	11 11.7	20.9
395044 2009 DB_{109}	16.6	X	279.53184	319.93580	141.73727	14.14535	0.1545643	0.21126085	2.7920511	21	10 26.6	20.3
395045 2009 DE_{111}	16.4	X	157.92688	171.13348	61.79030	16.27361	0.2352422	0.20585770	2.8406952	21	11 19.9	21.4
395046 2009 DZ_{111}	17.3	X	294.78388	232.42702	358.81672	3.99098	0.0919322	0.23628917	2.5912353	21	1 17.3	20.8
395047 2009 DE_{116}	16.9	X	196.47129	283.06576	333.31006	4.24358	0.1531254	0.22161323	2.7044083	21	—	—
395048 2009 DE_{130}	16.7	X	44.21116	247.96003	184.88593	21.62148	0.0558141	0.22607038	2.6687441	21	—	—
395049 2009 DQ_{138}	16.8	X	134.58752	186.69579	71.37318	5.77656	0.1455725	0.20623730	2.8372084	21	11 29.1	21.4
395050 2009 DK_{139}	17.0	X	158.08608	356.76662	217.66966	1.30327	0.0095590	0.20233742	2.8735488	21	10 29.6	21.0
395051 2009 DD_{141}	17.0	X	88.15871	165.41325	181.61497	6.21660	0.0439468	0.21628557	2.7486389	21	—	—
395052 2009 EO_{1}	16.8	X	280.32368	327.59769	175.86137	17.09386	0.2984675	0.21811805	2.7332225	21	11 28.1	20.2
395053 2009 ER_{16}	17.1	X	270.88589	194.86571	286.27651	2.68731	0.0323469	0.21068581	2.7971292	21	11 19.8	20.9
395054 2009 ER_{20}	16.6	X	185.00926	161.32412	358.70406	14.98403	0.0887308	0.19761223	2.9191752	21	9 20.4	21.1
395055 2009 EX_{22}	17.1	X	86.70382	148.51675	208.20455	1.20397	0.0881190	0.21937529	2.7227697	21	—	—
395056 2009 FU_{1}	16.6	X	276.21302	331.38481	144.38509	8.91313	0.1807143	0.21300802	2.7767626	21	11 3.5	20.1
395057 2009 FK_{3}	16.8	X	274.91924	98.08473	82.27110	10.99028	0.1032309	0.22749772	2.6575698	21	—	—
395058 2009 FD_{4}	16.4	X	118.94187	229.79730	93.28118	6.21930	0.0256760	0.21783924	2.7355541	21	—	—
395059 2009 FD_{8}	16.6	X	121.31132	223.98845	135.20678	6.62525	0.0483492	0.22601681	2.6691658	21	—	—
395060 2009 FR_{11}	17.1	X	350.26899	219.26283	196.61256	4.01326	0.0594202	0.21462884	2.7627653	21	12 16.8	20.6
395061 2009 FJ_{23}	16.5	X	213.75539	131.66591	62.80481	5.04283	0.0407590	0.20922606	2.8101243	21	12 8.9	20.5
395062 2009 FC_{26}	17.2	X	230.06339	357.22152	151.00402	10.09271	0.2498599	0.21143375	2.7905288	21	10 11.1	21.7
395063 2009 FM_{27}	16.7	X	6.85789	30.13243	15.33029	12.18724	0.0477714	0.21211844	2.7845206	21	12 24.8	20.6
395064 2009 FH_{40}	16.6	X	140.23458	173.79339	117.55161	6.00363	0.1400198	0.21087404	2.7954645	21	—	—
395065 2009 FS_{40}	16.6	X	175.96579	78.45149	113.16040	2.80259	0.0750425	0.20188357	2.8778538	21	10 21.7	21.0
395066 2009 FV_{44}	16.8	X	222.38559	226.79660	312.60938	3.41660	0.0912788	0.20969847	2.8059023	21	11 23.7	20.8
395067 2009 FG_{53}	16.6	X	111.28882	187.41437	144.26742	7.55043	0.0523079	0.21626939	2.7487760	21	—	—
395068 2009 FQ_{75}	16.5	X	142.67995	349.47589	194.09592	12.24091	0.1492000	0.19117807	2.9843105	21	9 5.1	21.4
395069 2009 GC_{1}	15.9	X	3.92971	123.07046	226.94812	11.39899	0.3294871	0.17930481	3.1146416	21	11 2.5	18.4
395070 2009 GO_{1}	16.2	X	22.38579	118.00269	227.91139	8.35108	0.1811711	0.18639239	3.0351763	21	11 12.8	19.6
395071 2009 GE_{6}	16.6	X	174.38852	91.42623	67.26156	8.90570	0.1371103	0.19108161	2.9853147	21	9 11.0	21.5
395072 2009 GF_{6}	16.1	X	43.81418	211.72557	109.96874	10.06988	0.3282583	0.18535347	3.0465074	21	12 5.3	20.4
395073 2009 HE_{6}	16.3	X	103.93189	3.49312	186.82901	13.86926	0.0991688	0.18058271	3.0999303	21	7 30.0	21.1
395074 2009 HM_{7}	16.3	X	65.86824	207.68834	100.98116	5.84334	0.2683510	0.19084651	2.9877659	21	12 4.9	20.8
395075 2009 HL_{14}	16.3	X	112.52159	353.27689	185.37955	17.26799	0.1504394	0.17851555	3.1238153	21	7 30.4	21.4
395076 2009 HY_{28}	16.5	X	286.19785	301.63096	124.86491	3.10064	0.1002908	0.19866787	2.9088252	21	9 22.2	20.3
395077 2009 HR_{33}	16.7	X	66.22516	275.67358	56.76343	7.27733	0.0685298	0.20223468	2.8745219	21	12 10.0	20.8
395078 2009 HB_{36}	18.0	X	175.80130	326.18904	68.12960	20.07536	0.1098246	0.40107407	1.8210407	21	3 29.0	20.6
395079 2009 HJ_{50}	16.8	X	127.55315	267.44345	49.09063	4.92485	0.0663451	0.21489855	2.7604533	21	—	—
395080 2009 HK_{58}	15.5	X	83.66253	18.67118	201.90527	17.14180	0.1292993	0.17781842	3.1319745	21	8 15.4	20.3
395081 2009 HG_{79}	16.3	X	38.01045	271.03983	56.28868	10.54916	0.0899340	0.19090570	2.9871483	21	11 1.6	20.3
395082 2009 HR_{79}	17.0	X	193.81512	212.12822	22.61982	4.94744	0.0186595	0.21422044	2.7662756	21	—	—
395083 2009 HX_{83}	15.8	X	21.82506	108.20224	204.66364	15.24676	0.0707236	0.18357221	3.0661831	21	9 12.8	20.1
395084 2009 HC_{91}	17.3	X	137.46307	192.21883	79.48500	3.58468	0.2994114	0.20099953	2.8862859	21	12 18.6	22.6
395085 2009 HA_{93}	16.5	X	176.98509	89.78756	85.83803	7.25327	0.1427289	0.19587440	2.9364161	21	10 3.2	21.3
395086 2009 HM_{97}	16.0	X	15.93242	66.30709	221.14776	11.30390	0.0369507	0.17844926	3.1245888	21	7 29.5	20.4
395087 2009 HR_{99}	16.5	X	79.48969	63.04064	217.59644	10.51464	0.1324959	0.19084649	2.9877661	21	10 30.2	20.9
395088 2009 HT_{100}	16.6	X	105.18702	215.52423	95.70647	10.04412	0.1863214	0.19689583	2.9262519	21	—	—
395089 2009 HH_{101}	16.0	X	53.64442	182.34713	70.07717	14.28815	0.1922426	0.17751520	3.1355401	21	9 8.2	20.4
395090 2009 JZ_{1}	16.6	X	162.52871	139.52239	112.53943	14.93466	0.1241882	0.20250433	2.8719696	21	12 17.8	21.3
395091 2009 KC_{6}	15.9	X	336.78027	290.80234	62.06390	17.13086	0.0543735	0.18280282	3.0747805	21	9 11.6	20.3
395092 2009 KM_{10}	16.2	X	110.95369	132.84998	101.59489	4.22507	0.1379943	0.18739253	3.0243673	21	10 9.7	20.9
395093 2009 KR_{13}	16.2	X	11.23715	123.60811	200.00332	15.74091	0.2561931	0.17916304	3.1162845	21	10 1.3	19.4
395094 2009 KG_{23}	16.1	X	27.84035	161.04589	132.56564	8.78000	0.0670539	0.18033008	3.1028248	21	8 31.6	20.2
395095 2009 KF_{27}	16.2	X	96.23266	23.46272	233.47698	14.43669	0.0509072	0.18766747	3.0214127	21	10 6.4	20.7
395096 2009 KY_{28}	15.7	X	352.05002	222.53679	115.11313	14.38334	0.0982108	0.17785047	3.1315982	21	9 8.4	19.7
395097 2009 KG_{37}	17.8	X	169.85263	224.24817	99.05264	18.42772	0.0265448	0.38805248	1.8615544	21	—	—
395098 2009 MY_{3}	16.5	X	118.86364	108.93853	201.97730	26.48008	0.0878188	0.20049434	2.8911324	21	—	—
395099 2009 NK	15.5	X	15.10154	130.44650	198.52447	27.26797	0.1838970	0.17678585	3.1441582	21	10 7.4	19.1
395100 2009 OQ_{21}	16.7	X	96.69613	120.55007	178.17804	18.38034	0.3456012	0.18385475	3.0630411	21	12 22.7	22.5
395101 2009 OT_{21}	16.4	X	63.77361	112.83224	181.65666	19.76544	0.2594887	0.17469783	3.1691615	21	11 15.1	21.4
395102 2009 QV_{57}	15.7	X	88.27670	285.46784	13.33623	8.14992	0.1731834	0.17639632	3.1487852	21	11 30.6	20.7
395103 2009 RA_{8}	15.1	X	163.57467	344.11249	359.47743	8.96506	0.1296550	0.11648311	4.1523511	21	2 8.5	21.4
395104 2009 RW_{15}	16.2	X	69.71828	172.93193	186.67463	10.14999	0.1020589	0.18060267	3.0997020	21	—	—
395105 2009 RK_{64}	14.1	X	342.89515	20.41550	21.05522	10.60369	0.0552289	0.08373643	5.1743972	21	10 25.4	20.6
395106 2009 SN_{46}	18.5	X	152.43290	66.24437	222.63219	4.87313	0.1012222	0.35211255	1.9861637	21	—	—
395107 2009 TL	15.7	X	81.72587	216.86143	119.97721	18.08786	0.4438440	0.18489332	3.0515599	21	—	—
395108 2009 TB_{1}	15.8	X	26.01462	280.76258	71.02249	6.82282	0.4245470	0.17278247	3.1925394	21	12 30.1	20.0
395109 2009 TK_{28}	18.3	X	215.97054	29.17651	185.20305	22.76671	0.0301598	0.35224491	1.9856662	21	—	—
395110 2009 UX_{148}	14.3	X	287.30396	342.46590	121.36795	8.06001	0.1170948	0.08237466	5.2312679	21	10 24.0	21.1
395111 2009 VC_{31}	17.8	X	71.04394	101.45582	20.48444	6.07496	0.2128612	0.28151696	2.3056834	21	3 26.2	19.7
395112 2009 VR_{45}	18.2	X	149.99586	56.30271	42.13642	6.27192	0.1176799	0.29820274	2.2188518	21	5 25.1	21.3
395113 2009 VB_{50}	15.3	X	85.33258	74.72171	241.13950	23.84492	0.3254668	0.17419110	3.1753047	21	12 27.9	21.0
395114 2009 VV_{52}	17.9	X	92.11933	89.65075	37.13445	4.74262	0.1493113	0.29118430	2.2543642	21	4 25.8	20.4
395115 2009 VW_{96}	14.4	X	288.19625	230.46500	265.65696	3.39788	0.0251379	0.08158573	5.2649378	21	12 6.6	21.3
395116 2009 WJ_{37}	17.9	X	110.18366	102.01247	54.52242	8.04231	0.1041505	0.29887142	2.2155410	21	6 26.7	20.6
395117 2009 WG_{38}	18.1	X	36.10477	100.17082	23.69657	1.83296	0.1811777	0.27241680	2.3567497	21	1 5.4	20.0
395118 2009 WO_{73}	18.4	X	186.77472	103.31036	351.27363	3.49185	0.1144986	0.30523081	2.1846597	21	7 1.3	21.5
395119 2009 WJ_{125}	18.0	X	239.96601	358.27487	78.33666	2.51461	0.0757620	0.31321099	2.1473923	21	8 15.0	20.3
395120 2009 WY_{214}	18.1	X	5.99725	115.32022	40.88342	3.05950	0.1192767	0.27192561	2.3595869	21	1 2.4	20.6

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
395121	2009 WE_{258}	17.0	X	90.56179	32.11085	106.61064	7.92386	0.0465048	0.28288758	2.2982299	21	4 28.4	19.8
395122	2009 WJ_{259}	17.3	X	104.98856	213.87024	238.27274	5.06694	0.1903866	0.28002129	2.3138863	21	3 31.7	20.1
395123	2009 XY	18.0	X	143.76047	25.16793	98.50902	4.17677	0.1298955	0.29612884	2.2291994	21	6 24.2	21.2
395124	2009 XX_{7}	17.4	X	139.96465	218.42678	274.11164	4.08528	0.0901364	0.29964144	2.2117437	21	6 28.8	20.2
395125	2009 XD_{13}	17.4	X	28.76550	103.97678	72.59859	24.07716	0.2284289	0.27978057	2.3152133	21	4 2.5	19.7
395126	2009 YF_{11}	17.4	X	52.73474	213.44827	300.53041	3.73044	0.1644182	0.27802513	2.3249486	21	3 28.3	19.3
395127	2009 YR_{13}	17.7	X	9.96857	33.46122	85.16888	5.31980	0.2148497	0.26092226	2.4254666	21	—	—
395128	2009 YV_{20}	18.4	X	89.84021	111.33093	19.38610	3.08224	0.1202317	0.28278792	2.2987698	21	4 23.5	21.0
395129	2009 YW_{21}	18.3	X	32.69288	68.63530	99.27387	3.33198	0.1687750	0.27497528	2.3421082	21	3 11.0	20.0
395130	2009 YQ_{22}	18.1	X	83.36480	71.96206	45.86845	3.95543	0.1801051	0.27940829	2.3172694	21	4 6.5	20.3
395131	2010 AJ_{1}	18.0	X	52.01426	238.59428	286.51407	3.80360	0.1794086	0.27817037	2.3241392	21	4 16.1	19.8
395132	2010 AS_{15}	17.7	X	172.80798	35.29309	69.76367	6.23205	0.0651365	0.29824773	2.2186287	21	6 28.9	20.5
395133	2010 AB_{29}	18.0	X	107.87601	42.00681	93.57387	5.92864	0.0948264	0.28910072	2.2651828	21	5 23.9	20.8
395134	2010 AU_{44}	17.6	X	77.05066	188.44225	309.71365	2.36617	0.1158277	0.28176515	2.3043292	21	4 12.3	20.0
395135	2010 AP_{54}	17.5	X	2.75906	79.62473	115.09584	9.33998	0.1429587	0.26991555	2.3712870	21	2 21.4	19.8
395136	2010 AV_{77}	17.3	X	174.96897	306.53200	109.21790	7.33342	0.1916362	0.28875792	2.2669752	21	5 2.3	20.9
395137	2010 AR_{80}	17.6	X	18.80484	345.01775	174.49257	1.30804	0.1291526	0.26969415	2.3725845	21	1 28.7	19.7
395138	2010 AQ_{107}	16.6	X	299.77573	163.26432	90.31194	16.02737	0.1434523	0.25859861	2.4399743	21	2 12.9	20.2
395139	2010 BB_{72}	17.3	X	277.73492	282.35092	255.66261	3.54419	0.0391185	0.23622247	2.5917230	21	—	—
395140	2010 BL_{93}	13.3	X	327.26735	194.70803	247.19419	17.79967	0.0912214	0.08378903	5.1722313	21	11 18.5	19.8
395141	2010 CC	18.3	X	31.21139	122.84812	41.26112	6.37055	0.1655221	0.27232372	2.3572867	21	3 3.9	20.2
395142	2010 CG	17.5	X	116.94423	94.54446	10.59298	8.09089	0.0754680	0.27934424	2.3176236	21	4 17.7	20.3
395143	2010 CN_{1}	18.7	X	111.13505	192.47811	216.42939	20.96752	0.4389427	0.53703230	1.4990028	21	—	—
395144	2010 CR_{2}	18.1	X	26.95363	194.19417	353.16269	2.00228	0.1466267	0.27323444	2.3520457	21	3 27.6	19.8
395145	2010 CX_{4}	18.3	X	43.90648	121.00282	39.71532	3.20267	0.1262623	0.27129433	2.3632458	21	3 22.4	20.4
395146	2010 CW_{21}	17.7	X	11.65230	112.50453	129.82010	6.53958	0.0874699	0.28782765	2.2718572	21	5 24.6	20.0
395147	2010 CA_{33}	17.8	X	274.74085	279.31326	104.84890	4.99555	0.1466972	0.30091789	2.2054847	21	7 3.8	20.4
395148	Kurnin	17.7	X	110.03898	110.72971	341.35546	4.91649	0.2003426	0.27581075	2.3373760	21	4 9.5	20.7
395149	2010 CX_{44}	17.0	X	275.64659	343.25324	242.35956	5.12364	0.1523953	0.24291529	2.5438968	21	—	—
395150	2010 CP_{47}	16.9	X	274.81163	114.87307	70.18868	18.63889	0.1789677	0.23611038	2.5925431	21	—	—
395151	2010 CC_{61}	17.6	X	354.77547	256.90678	331.94331	1.73491	0.1703131	0.27779678	2.3262225	21	3 21.3	19.5
395152	2010 CD_{66}	17.6	X	322.10504	282.91961	312.60917	1.99585	0.1375776	0.26891455	2.3771678	21	2 12.1	20.5
395153	2010 CY_{66}	17.8	X	356.10657	255.08413	304.11016	2.91214	0.1798577	0.26729936	2.3867344	21	2 7.9	20.0
395154	2010 CS_{75}	17.7	X	133.57891	329.79126	137.80925	6.66256	0.1189863	0.28277912	2.2988175	21	5 22.2	20.9
395155	2010 CE_{87}	17.8	X	333.25730	211.64720	136.01439	7.18965	0.1125543	0.30504702	2.1855371	21	8 29.5	19.4
395156	2010 CX_{93}	17.5	X	10.10689	233.34058	329.33138	6.66709	0.0567237	0.27605016	2.3360244	21	3 19.9	20.0
395157	2010 CH_{96}	18.3	X	40.69688	144.80713	337.92491	2.13194	0.1393231	0.26537378	2.3982662	21	1 18.0	20.3
395158	2010 CP_{136}	17.1	X	251.09742	312.52829	213.16208	10.95291	0.1248764	0.22489733	2.6780161	21	12 10.6	20.8
395159	2010 CF_{157}	18.3	X	65.56325	10.70475	106.28504	2.33691	0.1326660	0.26722076	2.3872024	21	2 26.9	20.4
395160	2010 CP_{160}	17.3	X	18.38060	93.45609	48.62179	8.82092	0.1709339	0.26127595	2.4232549	21	—	—
395161	2010 CM_{168}	16.6	X	147.51696	155.43959	196.23427	7.13474	0.2199945	0.25158648	2.4851037	21	1 17.9	20.4
395162	2010 CG_{172}	17.4	X	260.08572	191.59655	143.20884	6.46278	0.1547506	0.28139473	2.3063510	21	4 9.3	20.7
395163	2010 CU_{178}	17.8	X	22.04674	7.32291	158.98953	4.88242	0.0811899	0.26488643	2.4012068	21	2 18.0	20.2
395164	2010 CZ_{180}	17.8	X	346.58309	63.70090	164.39425	2.24228	0.1354998	0.27052579	2.3677196	21	3 12.1	20.1
395165	2010 CQ_{181}	17.7	X	77.32726	324.68776	145.69503	6.91018	0.0881764	0.26952631	2.3735694	21	3 3.3	20.2
395166	2010 CE_{203}	13.1	X	333.60349	177.98566	260.18112	16.00768	0.0420364	0.08339520	5.1885023	21	11 24.4	19.8
395167	2010 DN_{35}	17.8	X	7.35319	67.39136	118.80743	3.15342	0.0985162	0.26977523	2.3721091	21	2 20.5	20.2
395168	2010 DO_{42}	18.2	X	338.80443	29.76179	199.29641	2.10805	0.1462458	0.26701525	2.3884272	21	2 26.5	20.6
395169	2010 DE_{48}	18.0	X	39.73868	343.12045	182.18016	1.94970	0.1263576	0.27145070	2.3623382	21	3 19.7	19.9
395170	2010 DK_{49}	17.7	X	6.09090	335.86200	185.98142	4.11953	0.1144956	0.26080200	2.4262122	21	1 13.3	20.4
395171	2010 DW_{55}	16.4	X	193.16286	140.15643	109.75628	15.66913	0.0956404	0.22635410	2.6665136	21	—	—
395172	2010 EC_{11}	16.7	X	155.24790	55.01509	202.33121	10.75569	0.1702473	0.21658488	2.7461060	21	12 17.3	21.4
395173	2010 EZ_{34}	17.9	X	26.24444	136.09512	40.07115	3.41160	0.1526042	0.26900327	2.3766451	21	3 11.3	19.8
395174	2010 EC_{42}	17.3	X	235.37541	15.80048	188.96334	13.14786	0.1104086	0.23273778	2.6175287	21	—	—
395175	2010 EK_{67}	17.6	X	312.75394	106.82910	149.13442	6.71408	0.0745665	0.26783412	2.3835565	21	3 10.5	20.4
395176	2010 ED_{70}	18.0	X	327.61219	76.38241	160.18603	1.64478	0.1419969	0.26494269	2.4008669	21	2 21.5	20.8
395177	2010 EN_{82}	17.8	X	102.33576	345.98453	82.92186	3.59335	0.1854361	0.26308612	2.4121488	21	3 1.4	20.6
395178	2010 EZ_{82}	17.4	X	17.82527	80.04128	43.23713	6.25771	0.1022800	0.25336401	2.4734669	21	—	—
395179	2010 ED_{85}	17.9	X	84.71842	111.82013	13.39978	2.90913	0.1197703	0.27109462	2.3644063	21	4 8.9	20.4
395180	2010 EM_{100}	17.6	X	331.22496	65.67826	138.26129	3.08980	0.1577448	0.25871656	2.4392327	21	1 12.3	20.6
395181	2010 EL_{103}	17.1	X	134.14230	150.26820	186.56124	3.58289	0.1378025	0.24315237	2.5422429	21	—	—
395182	2010 EP_{111}	17.0	X	298.08430	80.61507	18.28460	27.51818	0.4114806	0.23344532	2.6122372	21	10 9.9	19.2
395183	2010 EV_{111}	17.7	X	292.05222	73.31304	179.12724	1.08735	0.1534109	0.25672152	2.4518536	21	1 28.2	21.0
395184	2010 EE_{137}	16.5	X	193.15803	232.95044	13.70379	14.79671	0.0784051	0.23339095	2.6126428	21	—	—
395185	2010 FJ_{5}	18.8	X	70.95396	173.32729	315.71263	1.33422	0.1947024	0.27567682	2.3381330	21	4 2.2	20.9
395186	2010 FW_{85}	17.2	X	276.52665	334.80016	202.60167	8.19277	0.0986414	0.23920505	2.5701343	21	—	—
395187	2010 FA_{98}	17.1	X	288.79017	68.27819	41.66506	3.98844	0.1276689	0.23110757	2.6298235	21	11 23.0	19.9
395188	2010 FC_{98}	17.6	X	311.44931	97.15072	211.09587	2.26481	0.1823619	0.27596325	2.3365149	21	5 2.1	20.2
395189	2010 FQ_{101}	16.8	X	255.39298	191.90401	37.72430	12.31917	0.2139878	0.24028369	2.5624369	21	—	—
395190	2010 GJ_{31}	17.3	X	288.91545	63.89585	207.08107	5.41672	0.1984724	0.25875517	2.4389900	21	2 10.1	21.0
395191	2010 GL_{32}	16.4	X	288.92209	109.30289	142.31690	14.76238	0.0940075	0.25299995	2.4758391	21	1 31.3	19.8
395192	2010 GQ_{32}	17.7	X	258.34574	146.93365	102.31607	3.98018	0.1315945	0.24651064	2.5191011	21	—	—
395193	2010 GV_{74}	16.7	X	285.58352	159.60583	95.52010	7.15022	0.0971176	0.25724832	2.4485051	21	2 1.5	20.1
395194	2010 GZ_{99}	17.3	X	267.44294	203.28540	68.77462	4.13343	0.1584555	0.25217692	2.4812232	21	1 29.0	21.0
395195	2010 GQ_{104}	17.3	X	281.08122	332.55919	204.88378	10.86270	0.1324445	0.23911489	2.5707803	21	—	—
395196	2010 GG_{108}	16.6	X	289.11900	166.48435	29.58807	10.39901	0.1654791	0.24298918	2.5433810	21	—	—
395197	2010 GN_{113}	17.6	X	302.60972	164.56843	104.44147	5.96938	0.0920401	0.26226557	2.4171774	21	3 14.5	20.7
395198	2010 GF_{117}	17.2	X	229.29599	129.22575	209.82393	7.55354	0.1196659	0.26028204	2.4294422	21	3 13.8	21.0
395199	2010 GG_{117}	16.7	X	290.94107	43.04151	143.84285	6.80567	0.0166809	0.23836821	2.5761461	21	—	—
395200	2010 GR_{124}	17.0	X	209.53263	208.15322	121.96963	5.60219	0.0504116	0.25178723	2.4837826	21	2 14.2	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
395201 2010 GW_{127}	17.1	X	66.50190	76.51289	37.83482	7.29288	0.0403606	0.25841903	2.4411046	21	2 19.9	20.1
395202 2010 GK_{133}	17.4	X	319.28555	91.99701	136.09545	2.78893	0.1734546	0.25881516	2.4386132	21	1 26.0	20.3
395203 2010 GQ_{143}	17.4	X	222.67977	359.98570	207.19699	2.60477	0.1128184	0.22938826	2.6429479	21	12 29.7	21.1
395204 2010 GM_{160}	17.3	X	235.10467	37.48091	181.88407	13.81868	0.1951458	0.23437447	2.6053286	21	—	—
395205 2010 HD_{38}	15.9	X	217.23737	118.42992	291.33096	6.82795	0.0703359	0.17043275	3.2218156	21	6 9.3	20.7
395206 2010 HV_{56}	16.2	X	76.03369	242.15776	123.59728	12.82686	0.1066238	0.21185762	2.7868055	21	—	—
395207 2010 HQ_{80}	19.6	X	197.34555	66.31164	218.48024	27.84779	0.4894192	0.50194504	1.5680694	21	—	—
395208 2010 JR_{17}	16.6	X	284.11020	53.38160	208.92222	13.12522	0.2312477	0.24292416	2.5438348	21	1 23.2	20.9
395209 2010 JS_{19}	16.5	X	108.84576	200.54872	144.21756	13.64929	0.2044012	0.21224447	2.7834182	21	—	—
395210 2010 JR_{33}	16.7	X	273.00830	47.30336	139.66993	11.21821	0.1021530	0.23462511	2.6034728	21	—	—
395211 2010 JJ_{35}	16.6	X	279.90070	268.02439	317.25797	4.82287	0.1604155	0.24450402	2.5328650	21	—	—
395212 2010 JM_{68}	16.4	X	124.23580	182.87855	146.41745	23.93311	0.2642940	0.21300031	2.7768296	21	—	—
395213 2010 JP_{76}	16.4	X	135.30005	221.60290	92.15452	14.59370	0.1819868	0.22488980	2.6780759	21	—	—
395214 2010 JA_{77}	17.0	X	91.52082	0.72781	48.71113	10.58740	0.0264070	0.24382836	2.5375420	21	—	—
395215 2010 JB_{84}	16.8	X	169.42249	116.06371	211.40980	7.27027	0.2073066	0.23528984	2.5985671	21	1 10.7	21.1
395216 2010 JO_{89}	17.1	X	126.90078	357.68131	316.14338	0.95467	0.2754280	0.21096371	2.7946722	21	—	—
395217 2010 JR_{176}	16.7	X	257.90976	178.01112	46.00216	7.93344	0.1436861	0.23731431	2.5837675	21	—	—
395218 2010 JO_{177}	17.1	X	117.06805	312.53261	156.54076	7.06369	0.0577648	0.27245529	2.3565277	21	4 25.6	20.1
395219 2010 KN_{9}	16.6	X	233.68055	39.17948	230.02663	17.34204	0.1720695	0.23993370	2.5649282	21	—	—
395220 2010 KK_{110}	15.8	X	304.27783	216.33116	150.44159	5.38991	0.1739947	0.17211297	3.2008131	21	7 17.3	19.8
395221 2010 KC_{116}	16.2	X	352.65411	110.29517	197.25063	15.49991	0.0780742	0.17327775	3.1864530	21	7 22.7	20.6
395222 2010 LE_{53}	15.8	X	349.52760	59.76910	267.24013	7.97354	0.0882995	0.17507540	3.1646034	21	8 13.0	20.0
395223 2010 LF_{61}	16.4	X	284.31411	76.48006	122.71001	10.45322	0.1617700	0.23813335	2.5778396	21	—	—
395224 2010 LT_{79}	16.4	X	43.74492	311.60228	2.10778	7.20444	0.1388371	0.18650016	3.0340070	21	10 25.7	20.4
395225 2010 LV_{98}	16.0	X	4.92409	140.50986	197.76900	18.31023	0.1891664	0.18121502	3.0927152	21	10 1.7	19.5
395226 2010 LS_{106}	16.1	X	165.91974	16.55416	163.25402	15.57012	0.0745480	0.20349321	2.8626578	21	9 27.2	20.4
395227 2010 LQ_{109}	17.4	X	236.35869	77.49413	179.44186	5.18140	0.1107314	0.23738596	2.5832476	21	—	—
395228 2010 MW_{19}	15.4	X	346.64799	182.34294	181.38185	20.75398	0.2892595	0.17942701	3.1132274	21	10 2.9	18.0
395229 2010 MN_{26}	16.7	X	57.42859	18.48886	295.38774	4.49786	0.1418959	0.18873368	3.0100228	21	11 13.9	20.9
395230 2010 MD_{27}	16.5	X	39.21336	33.33716	275.20787	3.05307	0.1100324	0.18243271	3.0789377	21	10 8.7	20.6
395231 2010 MA_{57}	15.7	X	313.38267	270.03478	110.53047	9.95937	0.1083964	0.17395954	3.1781219	21	8 31.6	19.8
395232 2010 MB_{65}	15.6	X	9.16448	209.54834	145.07927	20.37576	0.2835747	0.18302334	3.0723102	21	11 21.5	19.3
395233 2010 MX_{67}	15.5	X	30.62136	84.37971	227.12729	11.85522	0.1111780	0.17997459	3.1069094	21	9 28.0	19.6
395234 2010 MU_{72}	15.8	X	325.99550	334.56986	4.54664	10.68894	0.0547455	0.16849976	3.2464086	21	8 1.9	20.3
395235 2010 MP_{79}	15.8	X	21.48656	69.10050	261.49103	9.37448	0.1978376	0.18215369	3.0820811	21	10 20.7	19.6
395236 2010 MF_{100}	16.3	X	104.22799	198.99094	61.82294	5.57701	0.1312385	0.18691215	3.0295470	21	11 1.7	21.0
395237 2010 MH_{104}	16.5	X	36.03621	196.10297	143.64880	4.78039	0.1543817	0.18669902	3.0318522	21	11 22.4	20.5
395238 2010 NN_{36}	16.2	X	20.34398	330.29508	350.36774	5.89904	0.0768291	0.17665400	3.1457225	21	9 23.2	20.1
395239 2010 NX_{36}	16.1	X	353.43053	292.60003	62.79548	10.19735	0.3161349	0.17840731	3.1250786	21	10 15.6	18.6
395240 2010 ND_{59}	16.5	X	100.86151	113.21470	175.70453	12.24228	0.1658299	0.19194640	2.9763413	21	12 5.3	21.4
395241 2010 NB_{65}	15.7	X	353.71358	169.46889	186.65086	24.00555	0.0568845	0.17723715	3.1388186	21	9 29.5	19.8
395242 2010 NG_{70}	16.6	X	68.40579	92.43540	191.68478	2.37180	0.1159920	0.18037750	3.1022810	21	10 18.5	20.9
395243 2010 NC_{74}	16.1	X	1.52493	281.15729	80.79615	13.50625	0.1669282	0.18037785	3.1022771	21	10 31.8	19.8
395244 2010 NM_{83}	15.7	X	52.25635	253.53497	62.65651	14.13479	0.1015018	0.18547616	3.0451637	21	11 7.8	19.9
395245 2010 NL_{113}	16.6	X	1.54719	35.54035	306.49807	4.17875	0.1610408	0.17662618	3.1460527	21	9 26.2	20.2
395246 2010 OJ_{6}	16.2	X	57.02250	204.59637	111.47915	6.05546	0.2459354	0.18735229	3.0248003	21	12 1.9	20.7
395247 2010 OF_{12}	16.0	X	14.64007	295.98814	30.35708	27.04829	0.2206075	0.17837486	3.1254576	21	10 13.9	19.5
395248 2010 ON_{24}	16.0	X	75.14511	247.41336	76.14798	13.57804	0.1994745	0.19217344	2.9739966	21	12 22.9	20.5
395249 2010 OD_{27}	15.9	X	343.00346	290.19833	63.13897	19.39107	0.2474889	0.17431080	3.1738509	21	9 19.3	19.4
395250 2010 OS_{86}	16.7	X	302.59605	130.12243	48.72833	10.24333	0.0151296	0.24037559	2.5617838	21	—	—
395251 2010 ON_{96}	15.7	X	101.39887	169.49292	130.23141	12.87111	0.2083076	0.19242246	2.9714302	21	12 20.8	20.8
395252 2010 OJ_{118}	15.8	X	47.10515	249.34119	81.46758	8.35166	0.1781988	0.18414165	3.0598586	21	11 28.2	20.0
395253 2010 OF_{127}	16.2	X	37.14162	120.98552	229.00467	8.68427	0.0988123	0.19183174	2.9775273	21	11 28.6	20.2
395254 2010 PL_{16}	16.2	X	34.25781	240.53408	105.23590	8.69625	0.3174849	0.18573332	3.0423523	21	12 20.3	20.3
395255 2010 PO_{60}	16.9	X	116.44362	133.04770	160.62967	12.59666	0.0196401	0.20265608	2.8705357	21	12 17.6	21.2
395256 2010 PW_{61}	16.5	X	102.83860	265.29104	341.39630	9.22917	0.1158884	0.18642532	3.0348189	21	10 8.6	21.2
395257 2010 PJ_{77}	16.4	X	82.87877	270.38644	42.95804	2.88263	0.1263195	0.19596341	2.9355268	21	12 11.8	20.9
395258 2010 QP_{1}	15.4	X	0.42200	243.62432	93.83300	21.98414	0.2366480	0.17297530	3.1901663	21	10 8.5	19.2
395259 2010 QJ_{5}	16.0	X	318.19867	196.71623	156.52983	12.73863	0.1488947	0.17231070	3.1983640	21	7 24.5	20.1
395260 2010 QA_{6}	16.7	X	186.74649	110.27541	189.31657	13.31239	0.1782436	0.22192415	2.7018818	21	—	—
395261 2010 RR_{50}	16.8	X	34.02916	186.51430	153.73494	1.41847	0.2429217	0.18684972	3.0302218	21	12 2.4	20.5
395262 2010 RA_{85}	16.2	X	331.96404	181.46483	158.02766	11.10223	0.1173402	0.17269454	3.1936230	21	8 1.4	20.2
395263 2010 RT_{101}	16.6	X	76.57972	78.22397	202.91072	11.78501	0.1760733	0.18405454	3.0608240	21	11 2.0	21.1
395264 2010 RA_{111}	16.7	X	37.37172	277.75521	44.10547	1.28733	0.1778040	0.18364784	3.0653412	21	11 3.5	20.5
395265 2010 RZ_{142}	16.5	X	84.12330	70.54582	209.72175	8.34858	0.1056057	0.18554428	3.0444184	21	10 31.3	21.0
395266 2010 SU_{1}	15.8	X	41.65987	50.80379	241.46407	10.20247	0.0494169	0.17710236	3.1404110	21	9 9.3	20.3
395267 2010 SC_{2}	15.7	X	171.07357	324.66395	222.80249	10.91636	0.0375997	0.18260134	3.0770419	21	10 6.7	20.3
395268 2010 SH_{18}	16.1	X	78.31587	99.24331	186.88594	11.84285	0.1516510	0.18682725	3.0304648	21	11 8.3	20.7
395269 2010 TE_{57}	16.2	X	38.22986	59.07830	237.99333	5.68954	0.1562140	0.17670898	3.1450699	21	9 27.7	20.3
395270 2010 TU_{82}	16.0	X	62.33076	302.01364	339.54845	10.67016	0.1604712	0.18237955	3.0795360	21	10 10.0	20.5
395271 2010 TJ_{84}	16.8	X	83.93677	221.29813	60.28038	1.99153	0.1612243	0.18698693	3.0287392	21	11 8.1	21.4
395272 2010 TH_{97}	16.6	X	59.19135	190.57958	91.10051	1.97513	0.1763153	0.18057128	3.1000611	21	10 13.5	20.8
395273 2010 TB_{130}	15.7	X	331.84371	214.25020	168.43870	17.09702	0.1906401	0.17766254	3.1338063	21	9 27.6	19.0
395274 2010 TF_{164}	19.0	X	70.18725	235.25561	208.74237	23.08570	0.1798136	0.39570328	1.8374814	21	—	—
395275 2010 TO_{175}	16.3	X	10.36409	209.17753	142.87705	10.94594	0.2315708	0.18269680	3.0759699	21	11 10.4	19.8
395276 2010 UM_{75}	15.4	X	350.19453	286.45622	59.04147	26.48039	0.1620476	0.17184111	3.2041880	21	9 29.3	19.6
395277 2010 VZ_{37}	15.7	X	29.20214	256.33204	71.77335	17.15165	0.2062034	0.17734881	3.1375009	21	11 7.3	19.7
395278 2010 VW_{38}	16.3	X	3.66314	215.56933	124.16087	5.42673	0.1977958	0.17272908	3.1931972	21	10 4.2	19.7
395279 2010 VC_{39}	16.3	X	38.48598	271.14940	69.28462	12.09581	0.3479008	0.18456254	3.0552049	21	12 22.2	20.5
395280 2010 VA_{66}	16.2	X	1.06726	159.54630	189.91215	10.67472	0.1303969	0.17462344	3.1700615	21	10 5.3	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
395281 2010 VM_{89}	13.8	X	326.63042	169.77294	253.29472	8.39346	0.1105963	0.08382514	5.1707459	21	10 25.0	20.2
395282 2010 VR_{103}	15.1	X	299.43628	85.03682	240.22311	16.72412	0.0652437	0.14617350	3.5690856	21	6 3.7	20.1
395283 2010 VS_{171}	15.5	X	81.07476	243.26612	66.34253	11.45197	0.0733555	0.17792495	3.1307242	21	11 26.7	20.0
395284 2010 XG_{69}	16.0	X	34.00025	222.11571	109.65438	9.18985	0.2398020	0.17554140	3.1590004	21	11 21.4	20.1
395285 2010 XL_{87}	13.4	X	321.15018	329.48672	90.97303	18.26813	0.1183907	0.08231237	5.2339068	21	10 24.1	20.1
395286 2011 AH_{69}	16.4	X	294.63635	50.94784	322.43734	12.18907	0.1150634	0.23327886	2.6134797	21	7 24.9	19.7
395287 2011 AV_{73}	18.0	X	12.19144	65.76346	52.98893	4.23520	0.1308253	0.28708802	2.2757576	21	—	—
395288 2011 AV_{75}	17.7	X	4.90986	22.31011	106.82579	22.08991	0.0578628	0.38182927	1.8817268	21	—	—
395289 2011 BJ_{2}	18.3	X	12.43087	84.13521	33.99623	49.89706	0.3473234	0.67245646	1.2903076	21	—	—
395290 2011 BZ_{65}	17.4	X	20.39879	318.92911	91.15196	23.22295	0.1000476	0.36491851	1.9394211	21	—	—
395291 2011 CK_{2}	17.3	X	301.43042	57.83096	88.49641	23.97940	0.0883037	0.37140459	1.9167753	21	—	—
395292 2011 DD_{19}	17.7	X	77.16199	263.01439	168.73904	22.41812	0.1110200	0.37887564	1.8914938	21	—	—
395293 2011 EA_{12}	17.0	X	63.29846	275.05250	121.25237	23.29261	0.1194954	0.36756172	1.9301121	21	—	—
395294 2011 FN_{23}	18.5	X	273.68894	295.77090	194.65825	22.37587	0.1076478	0.34459334	2.0149524	21	12 29.3	20.9
395295 2011 FJ_{47}	18.3	X	169.97290	54.67159	188.34109	27.34804	0.1728649	0.34434093	2.0159370	21	12 31.2	21.9
395296 2011 GS_{71}	17.7	X	154.87315	236.42231	51.57327	22.88426	0.0350907	0.35344030	1.9811864	21	—	—
395297 2011 HA_{54}	14.9	X	68.33462	273.49165	86.36598	15.11115	0.1185880	0.15542275	3.4260444	21	—	—
395298 2011 HG_{55}	17.9	X	49.43900	284.31842	268.47963	3.27446	0.0791417	0.29737581	2.2229633	21	5 11.9	20.0
395299 2011 HR_{59}	17.3	X	333.52302	98.40997	100.43479	7.15505	0.0597548	0.27629442	2.3346474	21	1 20.5	20.0
395300 2011 KW_{31}	17.7	X	354.19547	158.90829	120.09187	5.62550	0.1619748	0.29697678	2.2249541	21	6 13.3	19.3
395301 2011 LT	17.8	X	36.27178	69.37911	195.38164	4.72929	0.1208399	0.30574396	2.1822146	21	8 17.9	19.8
395302 2011 LG_{26}	18.4	X	22.72278	320.25677	341.23039	2.29776	0.1997578	0.30995062	2.1624249	21	10 6.9	20.1
395303 2011 MW_{7}	17.6	X	268.67413	44.10884	255.30891	4.57259	0.1739688	0.27093019	2.3653629	21	2 25.9	21.1
395304 2011 MO_{8}	17.5	X	324.73431	196.94010	107.80484	5.76233	0.1703368	0.28764181	2.2728357	21	5 22.6	19.6
395305 2011 NB	17.3	X	188.82724	106.83163	208.56990	0.98293	0.1990297	0.25217559	2.4812319	21	1 11.2	21.3
395306 2011 NH_{1}	18.1	X	310.86536	152.06956	182.56502	1.75038	0.2104152	0.28775090	2.2722612	21	6 4.6	20.4
395307 2011 OZ	18.0	X	30.64533	30.54503	242.86890	4.44546	0.1740328	0.30096545	2.2052523	21	8 29.3	19.9
395308 2011 OT_{1}	17.4	X	273.59212	68.88376	192.09455	7.24159	0.1825376	0.26174835	2.4203606	21	1 15.4	21.4
395309 2011 OB_{5}	17.0	X	53.03638	94.34990	130.86596	5.77391	0.1042393	0.29192388	2.2505550	21	7 13.6	19.3
395310 2011 OX_{6}	17.3	X	333.33113	278.31921	336.91265	5.56596	0.1193065	0.27910374	2.3189548	21	3 28.3	19.7
395311 2011 OU_{11}	17.3	X	359.52963	308.88617	299.64908	6.73114	0.1243131	0.28503323	2.2866817	21	5 3.6	19.5
395312 2011 OY_{14}	17.4	X	286.29474	30.71605	301.39377	5.42885	0.2256901	0.28232675	2.3012724	21	4 20.9	20.6
395313 2011 OK_{16}	16.9	X	213.76154	232.43076	93.99935	5.31611	0.1739195	0.26121473	2.4236558	21	2 14.4	20.9
395314 2011 OB_{20}	17.4	X	234.85828	180.80715	144.55387	6.02160	0.2144983	0.26495306	2.4008043	21	2 28.9	21.3
395315 2011 ON_{20}	17.8	X	51.85168	112.36742	128.20909	7.35001	0.1551653	0.29732785	2.2232023	21	8 15.3	19.9
395316 2011 OP_{20}	17.6	X	195.58026	20.15530	334.70417	0.74819	0.1881257	0.26085223	2.4259007	21	3 3.9	21.6
395317 2011 OL_{24}	18.0	X	263.89699	126.27546	218.35771	8.33735	0.2892120	0.27359077	2.3500030	21	4 10.5	21.8
395318 2011 OT_{24}	17.9	X	319.65749	110.19442	202.36027	1.80980	0.1696581	0.28629173	2.2799755	21	5 24.4	20.1
395319 2011 OA_{29}	17.3	X	258.06114	183.74593	146.24672	5.07279	0.2391391	0.27186725	2.3599245	21	3 24.8	21.1
395320 2011 OB_{33}	17.4	X	132.33391	333.78300	99.74282	7.07089	0.0588653	0.27078741	2.3661943	21	3 29.6	20.5
395321 2011 OW_{33}	18.2	X	47.86316	239.23260	4.61208	1.75941	0.1280412	0.29823180	2.2187077	21	8 8.6	20.2
395322 2011 OR_{56}	17.8	X	213.20662	282.52305	59.65740	2.18116	0.1857830	0.26183189	2.4198458	21	3 4.5	21.8
395323 2011 OA_{57}	16.9	X	221.32040	162.79102	165.38717	8.87531	0.0965802	0.26083800	2.4259889	21	2 21.8	20.5
395324 2011 PZ_{12}	17.3	X	173.04648	38.70374	334.00823	0.72308	0.1966676	0.25827156	2.4420337	21	3 6.8	21.3
395325 2011 QZ_{2}	17.0	X	228.05008	46.19332	280.00060	3.99568	0.2125371	0.26075007	2.4265343	21	2 22.6	21.2
395326 2011 QB_{6}	17.0	X	65.98406	197.53503	190.72226	9.48787	0.3511429	0.22653859	2.6650657	21	—	—
395327 2011 QN_{8}	17.6	X	272.84355	33.50984	296.64312	2.25983	0.2715752	0.27508338	2.3414945	21	4 1.4	21.3
395328 2011 QP_{14}	17.7	X	255.19291	304.30903	3.11166	2.41776	0.1920523	0.26516054	2.3995517	21	2 25.3	21.3
395329 2011 QR_{14}	18.0	X	311.37110	335.34338	318.26173	2.23092	0.1996747	0.28029930	2.3123560	21	4 5.8	20.9
395330 2011 QQ_{16}	17.4	X	255.09614	26.33627	276.28802	4.26346	0.1083250	0.26274278	2.4142497	21	2 22.9	21.0
395331 2011 QD_{18}	17.0	X	257.91935	335.01061	357.21751	9.42729	0.2213488	0.27010222	2.3701943	21	3 26.5	20.9
395332 2011 QY_{23}	17.0	X	266.92124	357.24736	245.74525	5.65332	0.0968108	0.25026529	2.4938422	21	—	—
395333 2011 QR_{26}	17.2	X	242.53579	3.70909	300.97013	1.62174	0.2102418	0.26122870	2.4235694	21	2 9.9	21.2
395334 2011 QC_{29}	17.9	X	257.16331	248.30670	76.79761	2.30197	0.2045264	0.26798325	2.3826721	21	3 20.5	21.5
395335 2011 QL_{29}	18.1	X	229.18844	50.63851	276.31508	0.90889	0.2007709	0.26070136	2.4268365	21	2 25.9	21.9
395336 2011 QG_{31}	17.5	X	339.29016	319.90828	297.04085	5.38027	0.1789126	0.27918299	2.3185159	21	3 30.1	19.8
395337 2011 QD_{32}	17.4	X	291.68835	242.42321	68.61623	3.23442	0.2176243	0.27445613	2.3450607	21	4 4.9	20.7
395338 2011 QQ_{33}	17.7	X	243.69004	267.03751	93.23926	3.18146	0.1928405	0.27091071	2.3654763	21	4 22.4	21.4
395339 2011 QS_{33}	18.1	X	308.43694	183.32282	158.06829	2.65217	0.2780156	0.28624996	2.2801973	21	5 29.4	20.4
395340 2011 QV_{34}	17.1	X	210.22772	148.49615	184.72339	4.48198	0.1875253	0.26063028	2.4272777	21	2 17.1	21.0
395341 2011 QG_{38}	16.5	X	9.63580	263.76023	185.77658	13.20091	0.1242126	0.22972532	2.6403620	21	—	—
395342 2011 QH_{40}	18.3	X	316.86588	55.56052	225.72860	1.19135	0.1794308	0.27763391	2.3271321	21	3 31.8	20.9
395343 2011 QJ_{48}	17.8	X	354.50954	37.46589	204.02473	2.23475	0.1633335	0.27514923	2.3411209	21	4 12.0	19.8
395344 2011 QA_{49}	17.4	X	277.36695	164.21406	150.04571	7.02040	0.1299409	0.26977488	2.3721112	21	4 5.4	20.7
395345 2011 QL_{50}	17.5	X	23.91405	149.17850	127.33922	4.95497	0.2488431	0.29389965	2.2404573	21	9 7.5	19.0
395346 2011 QS_{50}	17.9	X	307.99188	138.12189	171.64555	7.76932	0.1677105	0.28135923	2.3065450	21	5 3.1	20.6
395347 2011 QX_{53}	17.2	X	307.80057	346.79210	298.17317	4.45752	0.2202963	0.27355854	2.3501876	21	3 16.3	20.4
395348 2011 QZ_{56}	17.9	X	209.21357	144.00485	211.07031	1.72937	0.1888621	0.26157281	2.4214434	21	3 15.3	21.9
395349 2011 QH_{57}	17.5	X	212.31674	120.61087	187.57532	5.03254	0.1526257	0.25394749	2.4696766	21	1 20.1	21.5
395350 2011 QV_{57}	17.1	X	163.08357	156.38270	228.83992	5.75341	0.0997829	0.25677421	2.4515182	21	3 3.0	20.7
395351 2011 QV_{64}	17.2	X	212.36658	80.87653	228.63425	3.13654	0.1692517	0.25170734	2.4843082	21	1 22.6	21.3
395352 2011 QT_{66}	17.5	X	252.87883	197.29132	200.90148	5.05652	0.1546011	0.28301499	2.2975400	21	6 23.9	20.8
395353 2011 QM_{70}	17.0	X	207.16902	308.83082	60.03162	3.69603	0.2209470	0.26166903	2.4208497	21	4 1.5	21.1
395354 2011 QV_{71}	17.4	X	231.85724	101.01152	230.16116	1.39302	0.2190071	0.26153963	2.4216482	21	3 4.4	21.5
395355 2011 QO_{77}	16.8	X	20.70432	208.78660	169.10987	4.93088	0.0867563	0.21344101	2.7730060	21	12 14.3	20.3
395356 2011 QW_{84}	17.8	X	222.24859	207.67507	162.03325	2.17620	0.1339915	0.27058306	2.3673855	21	4 16.4	21.2
395357 2011 QZ_{91}	16.9	X	11.98367	207.92054	192.81749	7.97744	0.2234077	0.21318659	2.7752118	21	—	—
395358 2011 QD_{95}	17.1	X	272.80198	153.52469	124.32720	2.30342	0.1671888	0.26486270	2.4013503	21	2 6.9	20.5
395359 2011 QF_{97}	15.7	X	236.57789	243.14381	187.41273	17.15460	0.1199825	0.17690829	3.1427073	21	7 19.2	20.8
395360 2011 QS_{97}	17.2	X	244.09277	266.64631	70.57297	7.62560	0.1591816	0.26952879	2.3735549	21	3 29.3	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
395361 2011 RN_4	16.1	X	276.43416	347.12052	20.93333	11.13421	0.0415133	0.17853266	3.1236157	21	7 1.7	20.7
395362 2011 RP_5	16.9	X	227.16621	280.81970	190.70961	12.28377	0.0886220	0.19813792	2.9140096	21	9 3.1	21.2
395363 2011 RK_9	15.7	X	258.53960	35.95413	5.73076	16.78128	0.2238819	0.17916658	3.1162435	21	6 28.9	20.8
395364 2011 RM_9	16.5	X	221.89353	41.32909	260.76957	8.37751	0.0664265	0.25285058	2.4768141	21	1 20.8	20.1
395365 2011 RN_{11}	17.8	X	342.20721	134.02986	168.33491	5.14849	0.2895607	0.28810181	2.2704158	21	6 7.1	18.9
395366 2011 RY_{11}	17.6	X	274.00975	354.61111	314.79175	1.85327	0.1987289	0.26697495	2.3886675	21	3 15.6	21.3
395367 2011 RH_{13}	17.8	X	224.80317	309.46764	41.36872	2.14382	0.1766242	0.26207522	2.4183477	21	3 25.1	21.7
395368 2011 RJ_{14}	16.9	X	146.71892	80.34270	202.02552	5.95983	0.0183939	0.22101096	2.7093192	21	—	—
395369 2011 RY_{18}	17.4	X	311.78410	143.93338	160.50941	5.24769	0.2312650	0.27739522	2.3284669	21	4 20.1	20.0
395370 2011 SA_{27}	16.6	X	101.48875	331.81916	1.55754	12.56972	0.2315733	0.22613305	2.6682511	21	—	—
395371 2011 SD_{27}	17.8	X	272.36898	227.78300	113.47961	0.86499	0.2322882	0.27520463	2.3408067	21	4 20.9	21.2
395372 2011 SS_{29}	17.2	X	216.76471	135.30086	205.04260	4.38455	0.1168182	0.25967783	2.4332093	21	3 3.7	20.9
395373 2011 SP_{30}	15.5	X	160.68052	352.38181	226.75807	14.47096	0.0868957	0.20377200	2.8600462	21	11 6.7	19.8
395374 2011 SJ_{32}	16.9	X	69.00245	66.49147	262.52510	2.69995	0.0998672	0.21014485	2.8019275	21	12 15.1	20.8
395375 2011 ST_{32}	17.4	X	205.12816	160.04411	186.17860	1.10446	0.2015286	0.25665423	2.4522821	21	3 1.9	21.5
395376 2011 SF_{34}	17.1	X	90.39730	189.34929	179.71582	8.87318	0.2897727	0.22652533	2.6651697	21	—	—
395377 2011 SD_{43}	17.2	X	214.64311	258.60714	352.03990	2.27666	0.1000485	0.23464784	2.6033047	21	—	—
395378 2011 SN_{43}	17.0	X	203.67318	79.81002	349.46553	4.49997	0.1561712	0.17296983	3.1902335	21	6 15.3	22.2
395379 2011 SJ_{44}	16.7	X	348.44519	52.03113	319.52850	2.74660	0.0578773	0.20192547	2.8774557	21	10 13.9	20.3
395380 2011 SL_{44}	16.4	X	279.48650	68.93556	348.20608	11.58886	0.0431573	0.19427250	2.9525357	21	9 7.6	20.3
395381 2011 SQ_{45}	16.8	X	223.77226	247.11727	271.53688	3.50397	0.0552487	0.20873640	2.8145173	21	11 3.8	20.7
395382 2011 SB_{51}	17.8	X	269.21912	289.21438	16.96636	1.40562	0.1953425	0.26621899	2.3931873	21	3 8.3	21.2
395383 2011 SL_{53}	17.9	X	246.93056	102.30417	199.35892	0.63877	0.1895632	0.25740163	2.4475328	21	2 11.3	21.9
395384 2011 SY_{53}	17.3	X	186.89510	282.30207	17.95326	16.66970	0.1678047	0.23914137	2.5705905	21	—	—
395385 2011 SZ_{53}	17.5	X	291.37369	220.89892	82.09562	2.34767	0.1960759	0.27006351	2.3704208	21	3 28.0	20.6
395386 2011 SB_{54}	16.6	X	54.05862	328.34328	32.01108	6.42389	0.0496804	0.21411505	2.7671833	21	12 30.3	20.5
395387 2011 SZ_{59}	17.1	X	170.55465	24.11803	190.25348	5.34805	0.0212451	0.21030791	2.8004789	21	11 15.5	21.0
395388 2011 SF_{67}	16.2	X	124.82748	345.60748	13.95146	14.85231	0.2048543	0.23231532	2.6207011	21	1 9.2	20.1
395389 2011 SK_{70}	17.2	X	38.87163	83.89014	334.03464	4.76054	0.1249456	0.22389704	2.6859864	21	—	—
395390 2011 SX_{74}	17.4	X	285.67909	45.28604	252.68280	4.40458	0.2389083	0.26934924	2.3746096	21	3 6.6	21.2
395391 2011 SP_{86}	16.8	X	117.39404	75.95946	231.67357	4.35024	0.1025183	0.21927892	2.7235674	21	—	—
395392 2011 SX_{86}	17.4	X	250.36758	113.69454	219.45901	3.91787	0.2521725	0.26546547	2.3977139	21	3 19.2	21.4
395393 2011 SO_{89}	16.0	X	212.17850	214.38524	219.61963	7.42836	0.1361637	0.17232485	3.1981889	21	6 29.4	21.1
395394 2011 SL_{91}	17.4	X	147.61664	37.31141	295.70398	2.59813	0.0957877	0.23062447	2.6334947	21	—	—
395395 2011 ST_{102}	17.6	X	345.64390	292.46171	4.83893	7.46602	0.2215967	0.28689988	2.2767524	21	6 17.8	19.1
395396 2011 SD_{103}	17.3	X	232.96395	312.97070	21.23768	10.53224	0.2435041	0.25962973	2.4335098	21	3 12.4	21.5
395397 2011 SJ_{107}	16.6	X	69.13795	300.74348	38.87394	15.42578	0.1082832	0.20672678	2.8327281	21	12 28.1	20.9
395398 2011 SV_{109}	17.3	X	21.48219	262.20791	147.29956	3.23725	0.1871700	0.21849944	2.7300409	21	—	—
395399 2011 SO_{112}	17.6	X	272.17913	95.43085	236.14725	1.61154	0.2621605	0.27234809	2.3571460	21	4 4.3	21.4
395400 2011 SA_{118}	16.4	X	87.01482	163.52420	174.40603	9.99214	0.1508398	0.21808792	2.7334742	21	—	—
395401 2011 SU_{118}	16.1	X	262.25830	26.78689	75.85905	14.34433	0.1301695	0.19297028	2.9658039	21	10 7.9	20.5
395402 2011 SP_{121}	18.4	X	5.95409	105.92470	185.00995	5.70263	0.2933921	0.29088544	2.2559080	21	8 17.4	19.1
395403 2011 SG_{123}	16.2	X	130.04590	154.79856	227.54258	17.02117	0.1919209	0.23787337	2.5797176	21	1 31.7	20.3
395404 2011 SW_{126}	17.0	X	158.09060	249.64239	28.81062	12.04003	0.1483766	0.22284452	2.6944372	21	—	—
395405 2011 SF_{132}	17.5	X	278.98963	295.44771	37.57617	5.59334	0.2615103	0.27124516	2.3635314	21	4 14.2	21.1
395406 2011 SU_{133}	17.7	X	289.28492	273.41891	51.06906	2.93007	0.2572464	0.27324386	2.3519917	21	4 14.2	21.0
395407 2011 SG_{138}	17.9	X	41.00399	276.07663	7.49795	5.59784	0.1181760	0.29422004	2.2388305	21	9 25.2	20.0
395408 2011 SF_{140}	16.4	X	75.59003	302.20892	19.64416	10.08736	0.0776769	0.20951256	2.8075619	21	12 9.6	20.6
395409 2011 SC_{149}	17.3	X	191.43694	262.28921	351.64427	4.60640	0.0065153	0.22396703	2.6854268	21	—	—
395410 2011 SA_{158}	16.6	X	45.24921	10.88092	12.48657	6.23053	0.0491557	0.21691334	2.7433331	21	—	—
395411 2011 SU_{159}	15.7	X	331.10783	121.22656	210.86128	17.70935	0.0088573	0.18159371	3.0884140	21	7 25.6	20.4
395412 2011 SC_{163}	17.0	X	64.46851	74.17516	290.91536	5.26814	0.0839341	0.21663382	2.7456923	21	—	—
395413 2011 SE_{163}	16.9	X	83.58504	67.78394	267.85531	5.78008	0.0417756	0.21395238	2.7685857	21	—	—
395414 2011 SP_{166}	16.9	X	347.19937	88.30978	317.35708	1.07264	0.0666684	0.20543158	2.8446221	21	11 27.3	20.4
395415 2011 SU_{170}	16.3	X	262.45740	209.10456	218.39726	8.21160	0.1129382	0.18185434	3.0854625	21	8 14.9	20.8
395416 2011 SA_{172}	17.0	X	131.48606	60.36375	252.30170	3.71083	0.0859594	0.21931008	2.7233094	21	—	—
395417 2011 SD_{174}	17.7	X	273.31450	187.65801	127.69457	2.03920	0.2011705	0.26774955	2.3840584	21	3 23.7	21.2
395418 2011 SM_{179}	17.6	X	303.15106	289.18885	8.54979	5.00991	0.2327296	0.27076430	2.3663289	21	3 28.6	20.5
395419 2011 SA_{183}	16.5	X	142.59948	43.71385	225.98843	5.36759	0.0219193	0.20944231	2.8081897	21	12 19.4	20.5
395420 2011 SB_{185}	16.6	X	342.29561	158.88901	187.12316	9.65700	0.1621732	0.18759821	3.0221564	21	8 26.8	19.9
395421 2011 SH_{185}	17.0	X	145.95044	196.14574	154.30784	4.73829	0.1838514	0.23557515	2.5964685	21	1 14.6	20.9
395422 2011 ST_{185}	16.0	X	234.16825	36.87450	13.13564	13.15749	0.0503671	0.17517578	3.1633944	21	7 2.0	20.8
395423 2011 SY_{187}	16.3	X	141.92118	309.55487	342.63941	7.27228	0.1074036	0.22254027	2.6968925	21	—	—
395424 2011 SA_{191}	16.0	X	136.21866	230.51508	60.17292	35.82980	0.2108209	0.21396726	2.7684573	21	—	—
395425 2011 SS_{191}	16.4	X	38.58468	115.07700	186.79907	11.89974	0.0131662	0.19724744	2.9227733	21	9 19.0	20.4
395426 2011 SL_{195}	16.9	X	10.87297	314.12849	180.96944	13.52582	0.0493741	0.24340133	2.5405091	21	—	—
395427 2011 SA_{197}	17.5	X	227.37659	333.80835	349.31728	5.76654	0.1282266	0.25755273	2.4465754	21	2 22.9	21.3
395428 2011 SE_{205}	17.0	X	73.06239	296.16783	102.45106	3.46729	0.0741931	0.22817166	2.6523342	21	—	—
395429 2011 SJ_{209}	16.5	X	100.10423	338.43233	29.16414	6.32367	0.0541611	0.22576123	2.6711799	21	—	—
395430 2011 SU_{209}	16.7	X	352.72510	52.32949	5.25075	6.26430	0.0191751	0.21514212	2.7583693	21	12 19.2	20.5
395431 2011 SH_{211}	16.2	X	197.37577	232.20675	221.39748	4.14470	0.1630003	0.17223556	3.1992942	21	7 8.5	21.4
395432 2011 SS_{212}	17.4	X	276.83470	263.83968	50.03558	5.41675	0.2033154	0.26953639	2.3735102	21	3 26.5	21.0
395433 2011 SV_{212}	17.7	X	217.55223	233.67622	129.56510	4.89397	0.1442241	0.26261880	2.4150095	21	4 5.3	21.5
395434 2011 SY_{214}	17.1	X	37.40465	212.92858	172.53317	4.44355	0.2107851	0.21522500	2.7576612	21	—	—
395435 2011 SP_{215}	17.9	X	228.54531	143.12708	194.96085	2.28632	0.2023974	0.26342895	2.4100555	21	3 10.5	21.8
395436 2011 SX_{216}	17.7	X	293.09968	95.95070	192.82495	5.28381	0.1053622	0.26861860	2.3789136	21	3 22.2	20.7
395437 2011 ST_{218}	16.8	X	192.63953	168.54614	136.20273	7.96060	0.2556015	0.24307575	2.5427771	21	1 5.6	21.3
395438 2011 SR_{224}	17.0	X	84.50745	60.19659	273.16755	2.76360	0.1017637	0.21173139	2.7879130	21	—	—
395439 2011 SO_{226}	16.7	X	63.39090	91.10388	303.75589	5.28760	0.0446856	0.22368403	2.6876913	21	—	—
395440 2011 SS_{226}	16.5	X	12.49203	330.87499	349.18758	9.03978	0.0674928	0.19023296	2.9941867	21	9 12.2	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
395441 2011 SG_{229}	16.1	X	194.82035	247.93022	237.46640	8.93128	0.0441913	0.17890355	3.1192971	21	8 15.6	20.8
395442 2011 SC_{250}	16.4	X	176.89888	255.20386	13.31591	15.13512	0.1225282	0.22646884	2.6656129	21	—	—
395443 2011 SF_{250}	18.0	X	275.16644	319.11567	359.31020	1.10265	0.1947407	0.26974506	2.3722860	21	3 29.1	21.3
395444 2011 SN_{250}	17.3	X	306.03640	195.83704	139.00998	7.64989	0.2046782	0.28087701	2.3091842	21	5 30.7	19.9
395445 2011 SC_{253}	17.3	X	112.28743	186.16423	155.60668	1.82948	0.1044160	0.22679463	2.6630595	21	—	—
395446 2011 SE_{254}	16.8	X	323.07193	202.74381	268.36318	4.75168	0.0836153	0.22152511	2.7051255	21	—	—
395447 2011 SC_{256}	17.6	X	192.39240	126.29849	192.85454	6.42881	0.1041059	0.24047799	2.5610565	21	1 14.7	21.6
395448 2011 SD_{258}	17.5	X	289.56351	205.77988	118.49861	3.40924	0.2453748	0.27203570	2.3589502	21	4 16.9	20.7
395449 2011 SL_{259}	16.9	X	99.95960	298.80314	19.74435	5.97774	0.0591055	0.21814770	2.7329748	21	—	—
395450 2011 SL_{260}	16.5	X	36.48312	181.79239	206.18783	8.84033	0.0241542	0.21319905	2.7751037	21	—	—
395451 2011 SJ_{261}	16.8	X	348.39653	343.24933	67.42650	2.92669	0.0650989	0.20547337	2.8442364	21	12 5.6	20.3
395452 2011 SM_{261}	16.9	X	60.06232	343.45769	5.69765	6.40169	0.0134469	0.21501771	2.7594333	21	12 18.3	20.8
395453 2011 SC_{265}	16.9	X	58.85110	165.07807	193.00779	6.29114	0.0630357	0.21550839	2.7552431	21	—	—
395454 2011 SW_{268}	16.2	X	279.18131	0.60802	28.51264	11.18283	0.1099589	0.18260620	3.0769873	21	7 25.0	20.6
395455 2011 SE_{272}	17.4	X	309.33753	249.92072	55.38048	2.87111	0.2004839	0.27533399	2.3400735	21	4 21.9	20.1
395456 2011 SY_{272}	18.0	X	298.99483	333.37547	347.50817	0.71642	0.1930948	0.27681448	2.3317224	21	4 29.5	20.7
395457 2011 SP_{273}	16.0	X	309.01944	169.65619	218.13839	11.24265	0.0583005	0.19438034	2.9514436	21	9 3.5	20.0
395458 2011 SA_{274}	17.1	X	223.69461	185.71399	163.63991	16.16870	0.1271849	0.26106107	2.4246067	21	3 24.9	20.8
395459 2011 SO_{274}	17.2	X	178.28926	342.25314	19.80574	5.02864	0.1554415	0.25195371	2.4826884	21	2 26.8	21.0
395460 2011 SZ_{274}	18.3	X	235.33376	112.91098	211.56113	0.61043	0.1926076	0.25958837	2.4337683	21	2 28.6	22.2
395461 2011 TT	16.8	X	291.93364	164.23478	44.61723	5.68787	0.1060084	0.24169604	2.5524448	21	—	—
395462 2011 TG_{5}	16.1	X	206.66466	196.83012	275.59651	8.88255	0.0575814	0.18183450	3.0856870	21	8 13.0	20.8
395463 2011 TP_{7}	16.4	X	196.35050	328.63632	260.36467	3.04262	0.0449754	0.21371036	2.7706755	21	12 31.3	20.4
395464 2011 TB_{13}	17.5	X	179.67701	278.16626	82.67554	6.10633	0.2281730	0.25164805	2.4846983	21	3 3.4	21.7
395465 2011 TQ_{13}	16.7	X	33.89937	308.89202	72.66359	4.44429	0.0994078	0.21287790	2.7778939	21	—	—
395466 2011 US_{1}	16.1	X	238.33362	76.09164	6.83803	7.93153	0.1204301	0.17967046	3.1104145	21	8 11.3	20.8
395467 2011 UX_{9}	17.7	X	188.46012	125.86236	197.57381	1.52525	0.2460784	0.24051679	2.5607811	21	1 23.9	22.2
395468 2011 UH_{13}	17.1	X	108.06448	170.02401	202.96669	3.22531	0.1170066	0.22866723	2.6485007	21	—	—
395469 2011 UY_{16}	16.9	X	119.12092	75.63628	224.85162	3.56144	0.0927534	0.20943234	2.8082788	21	—	—
395470 2011 UD_{17}	16.2	X	286.36584	181.38216	239.97743	9.11220	0.1049690	0.18531460	3.0469334	21	9 7.8	20.4
395471 2011 UB_{26}	17.1	X	247.19652	343.46400	46.19854	6.75153	0.1107339	0.27110047	2.3643723	21	6 10.4	20.4
395472 2011 UK_{27}	16.2	X	304.30128	266.44464	96.42391	2.78670	0.0960829	0.17832003	3.1260983	21	7 24.5	20.4
395473 2011 UN_{29}	16.2	X	264.78449	49.44270	8.74832	9.72657	0.1063691	0.18372891	3.0644395	21	8 13.9	20.7
395474 2011 UG_{33}	16.7	X	26.63831	41.52567	4.90078	5.41810	0.1150455	0.21423224	2.7661740	21	—	—
395475 2011 UH_{33}	16.6	X	47.89447	109.86347	266.94613	2.50311	0.1057327	0.21348890	2.7725913	21	—	—
395476 2011 UW_{35}	16.2	X	147.46377	286.56066	52.63398	25.99667	0.1920544	0.23037734	2.6353778	21	1 3.8	20.6
395477 2011 UJ_{36}	15.7	X	326.99384	165.53354	213.95905	8.21868	0.1344567	0.18671848	3.0316415	21	9 14.7	19.3
395478 2011 UO_{41}	16.7	X	70.00800	313.92843	22.18596	5.93076	0.0508295	0.20989897	2.8041152	21	12 18.3	20.7
395479 2011 UP_{48}	18.1	X	183.98266	56.78425	269.06068	0.41664	0.1797856	0.24006814	2.5639705	21	1 20.3	22.2
395480 2011 UD_{49}	16.6	X	226.54500	278.79088	218.61046	8.85920	0.0129583	0.19241913	2.9714645	21	10 14.8	20.7
395481 2011 UW_{50}	16.3	X	268.86752	191.32672	213.58102	9.21576	0.1199037	0.17713806	3.1399891	21	7 24.4	21.0
395482 2011 UM_{51}	17.5	X	208.94813	127.92695	193.84608	3.99468	0.1726442	0.24410106	2.5356517	21	2 4.0	21.8
395483 2011 UH_{55}	16.5	X	260.50312	187.36634	224.86276	4.56557	0.1247409	0.17450311	3.1715187	21	7 24.2	21.2
395484 2011 UW_{55}	15.7	X	317.81072	305.20771	59.60998	11.70977	0.0752223	0.17788580	3.1311835	21	8 24.1	20.0
395485 2011 UX_{55}	15.8	X	1.22137	304.54295	61.87304	10.35683	0.0863934	0.19155487	2.9803956	21	10 30.0	19.6
395486 2011 UJ_{64}	16.5	X	81.22653	255.76550	110.95081	3.54955	0.1183773	0.22072625	2.7116485	21	—	—
395487 2011 UR_{72}	17.1	X	153.63437	326.57495	38.40473	2.06467	0.2208968	0.23976277	2.5661471	21	2 13.1	21.2
395488 2011 UX_{73}	17.4	X	176.05158	309.36678	38.51191	6.42351	0.2622387	0.24212912	2.5494003	21	2 15.7	21.8
395489 2011 US_{79}	17.3	X	89.33493	119.32219	244.49526	3.99238	0.1286730	0.22038400	2.7144551	21	—	—
395490 2011 US_{80}	16.1	X	285.92246	180.23533	230.06290	7.47823	0.0146434	0.18341868	3.0678939	21	9 6.4	20.5
395491 2011 UP_{81}	15.5	X	106.63314	343.83682	220.92097	10.21628	0.0255104	0.17556831	3.1586776	21	8 9.9	20.2
395492 2011 UX_{86}	16.1	X	276.74116	186.94566	242.08026	7.79112	0.0691873	0.18127734	3.0920063	21	9 10.0	20.5
395493 2011 UC_{87}	16.1	X	272.36955	17.01790	2.62579	15.10118	0.1195103	0.17896413	3.1185932	21	6 30.7	20.8
395494 2011 US_{87}	15.7	X	42.08933	206.25070	64.52501	15.16794	0.0809379	0.17394169	3.1783393	21	8 29.8	20.2
395495 2011 UE_{89}	15.8	X	336.60107	344.56794	44.94881	11.42637	0.0872921	0.19026618	2.9938381	21	10 21.4	19.5
395496 2011 UL_{89}	15.4	X	305.39285	322.43555	52.05747	29.13951	0.1554281	0.17892768	3.1190167	21	8 14.4	20.0
395497 2011 UV_{89}	16.3	X	336.43792	325.13509	71.43933	10.58693	0.0546430	0.19047788	2.9916195	21	10 31.6	20.3
395498 2011 UX_{90}	16.9	X	166.16831	290.95758	1.85106	12.46044	0.1541987	0.23372048	2.6101865	21	—	—
395499 2011 UJ_{93}	16.9	X	318.76746	74.93231	355.04246	1.59730	0.0440949	0.20289986	2.8682360	21	11 16.9	20.6
395500 2011 UZ_{94}	16.4	X	237.21974	270.02275	205.83178	9.85084	0.0874082	0.19010948	2.9954830	21	9 19.9	20.9
395501 2011 UX_{96}	16.6	X	269.10386	230.02523	211.46783	9.48823	0.0793006	0.19013378	2.9952279	21	9 16.5	20.8
395502 2011 UX_{99}	16.7	X	270.47209	158.45629	250.22301	3.69208	0.1483809	0.17826041	3.1267953	21	7 28.8	21.1
395503 2011 UQ_{102}	16.2	X	199.69293	2.64095	239.83414	10.59557	0.2093430	0.21621690	2.7492209	21	—	—
395504 2011 US_{102}	16.1	X	326.43992	98.72991	281.53619	7.58928	0.1031257	0.18584992	3.0410796	21	9 15.1	19.9
395505 2011 UF_{114}	16.9	X	324.19705	282.22965	103.82648	2.78787	0.1557392	0.18790606	3.0188546	21	9 21.4	20.3
395506 2011 UM_{114}	16.8	X	69.26231	291.87629	69.83342	6.06562	0.1718966	0.21217683	2.7840097	21	—	—
395507 2011 US_{118}	17.1	X	142.20342	207.96886	37.25400	2.38282	0.0235395	0.20383407	2.8594656	21	11 17.8	21.1
395508 2011 UM_{120}	16.5	X	71.67650	8.22625	4.55836	4.40999	0.1261079	0.21943177	2.7223025	21	—	—
395509 2011 UL_{121}	17.3	X	301.22015	210.61020	79.51319	5.45324	0.1912659	0.26732065	2.3866078	21	3 25.6	20.5
395510 2011 UJ_{123}	17.2	X	61.01960	275.02739	111.76414	4.03430	0.1188379	0.22223401	2.6993697	21	—	—
395511 2011 UX_{123}	16.8	X	245.72804	172.61947	55.77019	7.34593	0.0169721	0.23058262	2.6338134	21	—	—
395512 2011 UY_{123}	17.0	X	83.82489	326.49214	12.17770	3.49017	0.0992761	0.21495595	2.7599617	21	—	—
395513 2011 UZ_{124}	17.6	X	222.02585	260.48554	35.12795	7.33097	0.1522492	0.24409023	2.5357267	21	1 17.9	21.7
395514 2011 UM_{126}	16.8	X	104.53714	261.27966	41.68675	6.24442	0.0136481	0.20994841	2.8036749	21	12 14.3	20.7
395515 2011 UN_{128}	16.8	X	287.10575	195.51806	109.98392	9.70138	0.1901184	0.26608486	2.3939915	21	3 31.5	20.3
395516 2011 UC_{129}	16.2	X	182.08159	301.25069	30.13404	8.62209	0.2080280	0.23741105	2.5830656	21	1 30.1	20.6
395517 2011 UJ_{133}	16.5	X	141.79454	20.97718	259.16675	8.79020	0.1698231	0.21123368	2.7922905	21	12 31.2	21.2
395518 2011 UR_{133}	16.8	X	109.33761	111.25639	216.96693	6.26754	0.0563544	0.21647945	2.7469975	21	—	—
395519 2011 UY_{133}	16.6	X	173.75293	213.18177	83.28412	13.15251	0.0860308	0.22831109	2.6512543	21	—	—
395520 2011 UJ_{134}	16.3	X	71.05220	240.51432	39.59689	10.56924	0.0510194	0.18895997	3.0076192	21	10 11.1	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
395521 2011 UA_{136}	16.6	X	110.86957	283.55237	53.35429	3.28353	0.0307641	0.21843121	2.7306094	21	—	—
395522 2011 UB_{136}	16.3	X	268.29510	175.87396	211.12771	8.95840	0.0941348	0.17460253	3.1703146	21	7 5.8	20.9
395523 2011 UP_{136}	16.1	X	95.51599	168.61253	44.92933	10.04072	0.0215140	0.17436245	3.1732241	21	8 15.0	20.7
395524 2011 UY_{137}	16.1	X	358.12830	128.03756	237.50503	11.18475	0.0726821	0.18947028	3.0022163	21	10 18.1	20.0
395525 2011 UF_{139}	16.4	X	322.86375	41.25520	14.02929	3.93786	0.0899633	0.19454132	2.9498152	21	10 31.2	20.1
395526 2011 UZ_{139}	16.1	X	268.16153	46.50287	21.03143	11.02492	0.1420032	0.18242552	3.0790186	21	8 26.1	20.5
395527 2011 UY_{141}	16.6	X	12.69916	313.51607	92.23780	5.27176	0.1012923	0.20956851	2.8070622	21	—	—
395528 2011 UW_{142}	16.5	X	107.44060	322.25031	29.81948	5.77209	0.1262765	0.21955615	2.7212742	21	—	—
395529 2011 UC_{143}	16.0	X	60.96544	20.49064	244.16631	12.40796	0.1022066	0.17958299	3.1114244	21	9 6.5	20.5
395530 2011 UE_{146}	15.6	X	39.62192	289.60157	47.38608	10.80078	0.0105903	0.19200338	2.9757525	21	11 4.1	19.6
395531 2011 UE_{148}	16.5	X	302.49407	349.20497	47.94248	6.25609	0.1476478	0.18553363	3.0445349	21	9 1.6	20.4
395532 2011 UW_{148}	15.8	X	266.80161	177.58744	223.82438	11.82389	0.0661790	0.17597766	3.1537773	21	7 24.1	20.5
395533 2011 UU_{149}	16.3	X	271.75784	258.10680	204.82105	10.58437	0.0743941	0.19243024	2.9713501	21	10 20.9	20.3
395534 2011 UW_{154}	16.8	X	86.05977	242.03880	70.44885	7.12771	0.0744302	0.19968189	2.8989691	21	12 9.2	21.0
395535 2011 UM_{155}	16.1	X	313.01922	164.70340	221.56050	15.65865	0.2157262	0.18441498	3.0568344	21	8 15.8	20.0
395536 2011 UB_{157}	17.2	X	192.89746	176.80641	146.84123	1.38666	0.1902717	0.23848751	2.5752869	21	1 25.9	21.5
395537 2011 UB_{158}	16.0	X	67.79458	217.27506	64.27531	9.79660	0.0971036	0.18554117	3.0444524	21	10 16.2	20.3
395538 2011 UZ_{158}	16.5	X	14.20146	124.92717	284.20243	5.18783	0.0353465	0.21635901	2.7480169	21	—	—
395539 2011 UO_{160}	16.3	X	34.30169	313.81447	106.83804	5.88307	0.1056446	0.21945802	2.7220854	21	—	—
395540 2011 UC_{161}	16.1	X	305.48603	315.86850	64.94269	15.74845	0.0774796	0.17786472	3.1314310	21	8 28.9	20.5
395541 2011 UK_{161}	15.8	X	302.05155	24.14002	38.14873	11.31086	0.0875805	0.18958502	3.0010049	21	10 11.7	19.7
395542 2011 UV_{167}	17.5	X	196.94286	246.22886	60.95020	0.73121	0.1797733	0.23793373	2.5792813	21	1 9.8	21.6
395543 2011 UG_{168}	17.8	X	299.21825	59.82157	207.43761	5.76219	0.0925326	0.26248205	2.4158482	21	3 2.5	21.0
395544 2011 UJ_{170}	16.6	X	40.57216	354.42872	327.97241	7.06712	0.0852839	0.20003978	2.8955104	21	10 25.6	20.5
395545 2011 UX_{172}	16.6	X	323.80541	31.16075	19.90700	7.80039	0.0804969	0.20209708	2.8758266	21	10 28.6	20.1
395546 2011 UR_{177}	16.1	X	89.01292	33.64666	213.14517	11.28319	0.0440858	0.18308561	3.0716135	21	9 14.0	20.5
395547 2011 UE_{178}	17.2	X	169.90772	130.93544	213.22721	13.81469	0.2892299	0.24088099	2.5581992	21	2 1.5	21.9
395548 2011 UT_{181}	16.9	X	53.31658	95.34034	270.50954	2.42823	0.1079353	0.20918848	2.8104608	21	—	—
395549 2011 UD_{185}	16.6	X	93.37591	256.08517	106.11675	6.78069	0.0514771	0.22010886	2.7167168	21	—	—
395550 2011 UE_{188}	16.5	X	105.85034	290.76133	3.68190	9.93073	0.1935539	0.21626622	2.7488028	21	12 19.6	21.2
395551 2011 UQ_{191}	15.4	X	193.38962	237.68205	230.82228	11.45063	0.1223011	0.17261802	3.1945668	21	7 21.5	20.7
395552 2011 UF_{193}	16.7	X	74.64557	184.22802	213.71805	8.56001	0.1294218	0.22352009	2.6890054	21	—	—
395553 2011 UC_{194}	15.8	X	252.22058	311.78110	97.84913	12.38094	0.1746541	0.17588634	3.1548688	21	7 6.7	20.5
395554 2011 UK_{195}	16.7	X	149.40364	60.12557	300.92598	2.59543	0.2587585	0.23619076	2.5919550	21	2 7.3	20.7
395555 2011 UT_{196}	16.0	X	359.60755	328.99860	21.97998	10.68796	0.0500292	0.18861528	3.0112823	21	10 4.0	19.8
395556 2011 UT_{198}	16.3	X	276.68425	204.53080	223.74271	7.87671	0.0565760	0.18256201	3.0774838	21	9 11.7	20.7
395557 2011 UH_{205}	17.4	X	302.27403	226.98397	119.17541	7.61395	0.2415831	0.28185672	2.3038301	21	6 3.5	20.1
395558 2011 UW_{205}	17.0	X	210.10556	232.55213	94.64142	10.25534	0.2428879	0.25358780	2.4720114	21	2 14.9	21.4
395559 2011 UO_{210}	17.4	X	39.21024	137.02644	266.03350	4.49902	0.0676209	0.21743766	2.7389212	21	—	—
395560 2011 UU_{210}	16.5	X	212.51017	256.33140	233.57120	9.37623	0.0688553	0.18737099	3.0245991	21	9 9.0	21.2
395561 2011 UC_{211}	16.7	X	56.52696	16.04070	345.84164	4.81148	0.0630911	0.21215800	2.7841745	21	—	—
395562 2011 UF_{216}	16.9	X	87.31949	86.00875	243.31202	4.16533	0.0390563	0.21245605	2.7815699	21	12 29.5	20.9
395563 2011 UT_{219}	16.7	X	202.62603	187.94457	34.91915	16.91362	0.0773793	0.21459481	2.7630574	21	12 27.1	21.0
395564 2011 UJ_{222}	16.8	X	142.28648	122.98689	197.49319	7.57260	0.0242807	0.22504321	2.6768587	21	—	—
395565 2011 UH_{226}	16.5	X	194.44226	81.11009	37.04958	12.65682	0.1372941	0.17696009	3.1420939	21	8 11.5	21.7
395566 2011 UZ_{232}	17.2	X	217.99765	153.40977	57.16491	0.45418	0.0123319	0.21489978	2.7604427	21	—	—
395567 2011 US_{243}	15.7	X	26.81319	248.95158	55.31786	11.75459	0.0898656	0.18217012	3.0818959	21	9 20.7	19.8
395568 2011 UQ_{244}	15.5	X	235.98082	214.22828	214.06531	9.86129	0.0550441	0.17592452	3.1544124	21	7 22.9	20.3
395569 2011 UZ_{244}	16.6	X	87.12575	123.35804	229.76647	5.39030	0.0482123	0.21564303	2.7540962	21	—	—
395570 2011 UE_{247}	16.0	X	93.00203	275.50577	59.47373	21.02938	0.1632040	0.21198798	2.7856629	21	—	—
395571 2011 UW_{248}	15.9	X	244.38157	220.58118	228.77550	9.39366	0.0675816	0.17853481	3.1235906	21	8 25.8	20.5
395572 2011 UO_{250}	16.1	X	7.55379	121.44453	225.91864	8.21133	0.0830794	0.18754433	3.0227351	21	10 9.6	20.0
395573 2011 UT_{250}	16.3	X	134.82644	218.94197	78.54947	10.18214	0.1422163	0.21184248	2.7869383	21	—	—
395574 2011 UV_{250}	16.7	X	62.62734	294.41858	76.40512	6.92918	0.1590712	0.21179155	2.7873850	21	—	—
395575 2011 UP_{251}	15.4	X	323.60122	278.29890	69.17947	16.78450	0.0761132	0.17471024	3.1690115	21	8 8.8	19.8
395576 2011 UV_{251}	16.1	X	319.87641	158.03087	215.81282	9.15207	0.0845339	0.18046788	3.1012452	21	8 28.9	20.2
395577 2011 UH_{255}	15.6	X	105.90366	153.23616	31.58216	15.49793	0.0609156	0.17360761	3.1824154	21	7 28.2	20.5
395578 2011 UF_{259}	15.5	X	314.96396	139.50130	247.08282	9.41908	0.1069599	0.18507601	3.0495515	21	9 4.1	19.5
395579 2011 UU_{259}	16.0	X	43.89582	227.84685	36.46511	9.62927	0.0619610	0.17485612	3.1672487	21	8 18.4	20.4
395580 2011 UX_{259}	16.8	X	351.88676	308.15370	60.62282	3.02978	0.0403539	0.19168308	2.9790665	21	10 15.5	20.6
395581 2011 UY_{260}	16.1	X	340.43483	340.48971	41.62652	9.08629	0.0836548	0.19039553	2.9924820	21	10 17.3	19.8
395582 2011 UR_{267}	16.4	X	101.36453	299.40695	84.58996	7.67483	0.2173365	0.22905612	2.6455021	21	1 9.9	19.5
395583 2011 UR_{270}	16.0	X	234.67706	327.60316	93.21291	10.23032	0.1364725	0.17357452	3.1828199	21	7 6.3	20.8
395584 2011 UR_{282}	15.7	X	263.59349	209.89491	220.40205	17.53809	0.0637347	0.18116252	3.0933127	21	8 23.8	20.5
395585 2011 UT_{282}	17.0	X	84.09079	164.34636	191.07314	3.69449	0.1102612	0.21522313	2.7576771	21	—	—
395586 2011 UL_{284}	16.4	X	129.45690	279.40836	50.77999	15.61396	0.1859397	0.22539991	2.6740338	21	—	—
395587 2011 UP_{284}	17.0	X	201.32172	55.44059	251.37696	7.75822	0.1624510	0.23827257	2.5768354	21	1 11.2	21.2
395588 2011 UR_{292}	17.1	X	197.37204	109.73031	202.32446	15.05148	0.1724983	0.24537099	2.5268952	21	1 11.6	21.5
395589 2011 UT_{298}	16.0	X	37.43950	287.14282	26.07538	9.81816	0.0665257	0.18971860	2.9995961	21	10 9.9	20.0
395590 2011 UR_{299}	17.6	X	191.22564	176.99891	164.50095	1.32744	0.1959036	0.24440129	2.5335747	21	2 14.1	21.9
395591 2011 UB_{306}	16.2	X	325.78545	26.44742	46.21382	15.80800	0.1200324	0.20384264	2.8593854	21	11 27.4	19.5
395592 2011 UT_{314}	16.6	X	176.23124	168.24467	85.17120	4.98571	0.0501465	0.21120254	2.7925650	21	—	—
395593 2011 UW_{315}	16.8	X	71.63153	270.78727	40.17144	12.49550	0.0458974	0.19775003	2.9178190	21	11 15.5	20.9
395594 2011 UK_{317}	16.6	X	113.70144	101.01022	241.87955	4.74921	0.0603250	0.21737518	2.7394460	21	—	—
395595 2011 UF_{320}	16.9	X	101.15538	249.42160	98.79481	5.93761	0.1370985	0.21626590	2.7488056	21	—	—
395596 2011 UU_{322}	15.9	X	246.92538	215.59016	225.27387	15.63454	0.1892994	0.17851563	3.1238144	21	8 1.8	21.1
395597 2011 UT_{323}	16.9	X	93.18233	81.64369	212.60660	9.45640	0.0660540	0.20625952	2.8370046	21	11 26.2	21.0
395598 2011 US_{324}	17.6	X	207.41275	288.38718	5.15494	2.49439	0.2101248	0.24156228	2.5533870	21	1 3.0	21.9
395599 2011 UH_{325}	17.1	X	123.56910	38.54776	268.55545	1.77357	0.1056460	0.21796660	2.7344884	21	—	—
395600 2011 UW_{325}	16.1	X	200.33441	67.76610	39.71807	20.54288	0.1449563	0.17520250	3.1630728	21	8 5.9	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
395601 2011 UU_{326}	16.6	X	301.31057	34.84470	20.75556	10.45003	0.0919092	0.19225745	2.9731302	21	9 30.7	20.4
395602 2011 UZ_{326}	16.0	X	319.84277	332.12894	70.47970	10.02545	0.1169619	0.18793471	3.0185477	21	10 12.8	19.8
395603 2011 UG_{327}	16.8	X	221.99004	282.12830	191.48074	5.85007	0.1109219	0.18315398	3.0708491	21	8 28.6	21.5
395604 2011 UD_{328}	16.6	X	167.89154	63.43777	235.40145	10.89932	0.0895195	0.22490935	2.6779207	21	—	—
395605 2011 UV_{329}	17.3	X	158.36372	133.72440	156.08485	5.04961	0.0912013	0.22089233	2.7102891	21	—	—
395606 2011 UB_{338}	16.1	X	212.47604	220.24298	222.56772	8.60891	0.0686900	0.17419142	3.1753009	21	7 13.7	21.0
395607 2011 UT_{349}	16.3	X	248.77573	40.39745	17.06510	9.92051	0.0799575	0.17948848	3.1125165	21	7 27.5	20.9
395608 2011 UM_{358}	16.9	X	285.23381	225.56919	83.82892	13.69402	0.1890678	0.26687923	2.3892387	21	4 6.4	20.5
395609 2011 UA_{359}	15.9	X	80.22880	255.31596	28.58572	11.01913	0.0749645	0.19086354	2.9875881	21	10 27.2	20.1
395610 2011 UH_{362}	16.0	X	323.23151	328.84601	68.84624	14.83750	0.0507154	0.18728205	3.0255566	21	10 17.7	20.2
395611 2011 UA_{363}	16.8	X	98.42920	295.42044	36.25136	5.07727	0.1000737	0.21400765	2.7681089	21	—	—
395612 2011 UR_{363}	16.8	X	62.09696	314.94530	49.82813	4.37774	0.1306954	0.21482350	2.7610961	21	—	—
395613 2011 UD_{369}	16.3	X	1.28361	275.62629	55.97430	11.28589	0.0524431	0.18105880	3.0944938	21	9 15.5	20.5
395614 2011 UW_{373}	17.1	X	94.69618	187.35147	157.60439	6.41994	0.0359321	0.21842972	2.7306219	21	—	—
395615 2011 UW_{378}	16.1	X	303.30763	329.37334	95.27794	6.20047	0.0687473	0.19475842	2.9476226	21	10 19.6	20.0
395616 2011 UJ_{379}	16.1	X	32.61911	285.28282	44.51263	11.40591	0.0893628	0.19097231	2.9864537	21	10 27.7	20.0
395617 2011 UV_{379}	15.8	X	77.17546	213.43055	69.16947	10.26866	0.0766749	0.18771521	3.0209004	21	10 25.9	20.1
395618 2011 UW_{383}	16.4	X	347.59701	9.04643	8.20900	10.45105	0.0401853	0.19183319	2.9775123	21	10 17.5	20.3
395619 2011 UO_{384}	16.5	X	279.01773	22.75356	19.68652	9.07726	0.1065407	0.17782989	3.1318398	21	8 11.8	20.9
395620 2011 UC_{387}	15.5	X	141.38418	53.52214	133.37216	9.98128	0.0337963	0.18034982	3.1025985	21	9 5.5	20.0
395621 2011 UE_{387}	15.9	X	263.38339	305.80208	103.61503	10.77334	0.0709811	0.17612505	3.1520175	21	8 3.2	20.4
395622 2011 UL_{388}	16.2	X	263.97775	296.16833	119.09081	6.50319	0.1654798	0.17820480	3.1274458	21	7 28.1	20.6
395623 2011 UQ_{390}	16.9	X	347.00368	177.25655	202.36523	2.63748	0.1727577	0.19265184	2.9690712	21	10 25.8	19.9
395624 2011 UZ_{390}	15.7	X	252.04308	322.35291	87.95450	16.63957	0.0913961	0.17531314	3.1617418	21	7 17.9	20.4
395625 2011 UH_{392}	17.5	X	359.13222	272.81251	23.56111	4.59444	0.1568089	0.28266254	2.2994495	21	7 28.9	19.2
395626 2011 UU_{393}	16.7	X	212.14353	172.19668	74.54523	10.63251	0.1250091	0.22423447	2.6832912	21	—	—
395627 2011 UB_{402}	16.9	X	187.68892	288.12242	35.43689	9.46665	0.1865119	0.24041391	2.5615115	21	1 23.8	21.2
395628 2011 VG_{1}	16.0	X	69.24460	348.34840	324.56521	9.12364	0.0753243	0.20151588	2.8813534	21	11 18.3	20.3
395629 2011 VZ_{11}	15.9	X	317.98841	282.93088	67.16553	11.00910	0.1056030	0.17400086	3.1776187	21	7 29.1	20.1
395630 2011 VM_{12}	16.5	X	344.81701	111.34217	241.09990	8.13878	0.0859767	0.18149869	3.0894919	21	9 8.0	20.5
395631 2011 VL_{14}	16.4	X	130.39948	279.60218	71.09344	12.34227	0.2102647	0.22985167	2.6393943	21	1 3.1	20.2
395632 2011 VY_{17}	16.9	X	133.18550	267.24118	62.50039	6.03873	0.1019617	0.22127442	2.7071682	21	—	—
395633 2011 VM_{20}	16.6	X	251.60865	26.93962	61.35618	3.58751	0.0466543	0.18311882	3.0712422	21	9 11.5	21.0
395634 2011 WY_{11}	16.4	X	334.56919	303.81483	63.26959	8.45708	0.0686800	0.18477996	3.0528078	21	9 21.2	20.4
395635 2011 WC_{12}	16.7	X	355.29103	116.36011	231.40502	10.80187	0.0291967	0.18443304	3.0566349	21	9 16.9	21.0
395636 2011 WJ_{13}	16.2	X	46.62061	299.71762	80.06982	10.00633	0.2775704	0.21176325	2.7876333	21	—	—
395637 2011 WS_{22}	16.4	X	328.14355	292.36467	76.58135	2.22459	0.0954595	0.18162674	3.0880395	21	9 8.4	20.2
395638 2011 WU_{24}	16.9	X	20.98862	298.90913	64.64374	6.39669	0.0624333	0.19837366	2.9117006	21	11 20.2	20.8
395639 2011 WG_{26}	16.7	X	241.92281	301.25101	170.22888	2.13021	0.0165727	0.18772338	3.0208127	21	10 1.8	21.0
395640 2011 WT_{29}	16.8	X	32.23742	48.63354	311.14375	0.91334	0.0619718	0.19844784	2.9109750	21	11 30.0	20.7
395641 2011 WT_{30}	16.6	X	125.69379	125.56387	228.54905	4.12611	0.1257139	0.22615320	2.6680925	21	—	—
395642 2011 WE_{33}	16.7	X	275.18461	310.33716	118.39059	3.22712	0.0675333	0.18382053	3.0634211	21	9 13.2	20.8
395643 2011 WY_{33}	16.3	X	342.29080	303.93675	69.07225	10.91083	0.1200668	0.18977729	2.9989776	21	10 11.9	20.0
395644 2011 WC_{36}	16.5	X	258.59458	0.76559	53.49287	1.49615	0.1755455	0.17668772	3.1453222	21	7 19.5	21.1
395645 2011 WF_{36}	15.9	X	275.34968	349.72426	50.67250	18.82391	0.1994715	0.17898865	3.1183083	21	7 20.9	20.7
395646 2011 WR_{37}	16.6	X	83.35133	118.03449	230.15123	5.75661	0.0861056	0.21283774	2.7782434	21	—	—
395647 2011 WT_{37}	16.5	X	167.47735	190.47004	62.63878	6.48548	0.0572477	0.20850193	2.8166269	21	12 26.3	20.6
395648 2011 WE_{42}	16.0	X	245.20873	168.91123	249.82839	9.57353	0.1142020	0.17163600	3.2067403	21	7 15.4	20.8
395649 2011 WL_{42}	16.0	X	319.78868	300.27434	58.99936	10.69765	0.1349289	0.17583786	3.1554487	21	8 11.8	20.0
395650 2011 WB_{47}	16.4	X	293.62313	24.05519	23.74229	10.10345	0.0817390	0.18410297	3.0602873	21	9 12.0	20.5
395651 2011 WY_{48}	16.7	X	108.73103	254.45085	87.90433	12.24675	0.2414216	0.22000583	2.7175649	21	—	—
395652 2011 WH_{50}	16.5	X	150.22771	270.06488	90.87964	6.00057	0.2988435	0.23657159	2.5891726	21	2 13.3	20.9
395653 2011 WN_{50}	16.2	X	77.59984	283.20336	77.44060	12.99492	0.1304668	0.21263924	2.7799721	21	—	—
395654 2011 WN_{51}	15.7	X	271.95614	156.61389	248.73361	9.68255	0.0557398	0.17420123	3.1751816	21	8 6.1	20.3
395655 2011 WZ_{53}	17.4	X	173.47086	280.35422	52.66312	12.67969	0.2050999	0.23921176	2.5700862	21	1 24.3	21.8
395656 2011 WR_{57}	16.0	X	118.11383	354.41463	213.85832	4.47314	0.0915740	0.17453697	3.1711085	21	9 6.4	20.8
395657 2011 WD_{68}	15.9	X	284.77257	309.07005	104.48782	8.17532	0.1305234	0.17848680	3.1241508	21	8 29.4	20.1
395658 2011 WC_{70}	15.1	X	159.59643	261.32641	256.52654	9.44507	0.0531873	0.17103619	3.2142331	21	8 15.4	20.0
395659 2011 WO_{78}	15.6	X	249.27317	0.59207	78.62378	16.06563	0.0723152	0.17422682	3.1748707	21	8 28.9	20.4
395660 2011 WT_{79}	16.7	X	232.74729	70.25465	65.98121	10.58936	0.0224055	0.19008212	2.9957705	21	10 24.1	21.0
395661 2011 WZ_{79}	16.6	X	2.11008	312.24877	90.84737	3.32556	0.0676806	0.20154305	2.8810945	21	12 14.9	20.2
395662 2011 WE_{80}	16.5	X	337.17139	249.89034	78.54241	5.14669	0.0639828	0.17393854	3.1783777	21	8 1.1	20.7
395663 2011 WX_{81}	16.8	X	163.77032	223.48765	81.33895	5.74497	0.1563742	0.22310639	2.6923285	21	—	—
395664 2011 WW_{84}	16.8	X	341.47306	274.14069	120.05521	2.48116	0.0212484	0.19065303	2.9897869	21	11 2.1	20.7
395665 2011 WV_{89}	15.9	X	328.68583	298.38256	114.17844	10.29755	0.0689995	0.19275481	2.9680137	21	11 10.7	19.8
395666 2011 WQ_{92}	16.1	X	262.72320	335.09381	72.31919	8.96749	0.1880599	0.17445400	3.1721138	21	7 14.3	20.9
395667 2011 WC_{95}	15.9	X	273.59340	204.52011	196.90631	12.49742	0.2076140	0.17781382	3.1320285	21	7 13.6	20.7
395668 2011 WK_{99}	16.7	X	255.89536	143.52710	91.71364	2.98188	0.0357931	0.22181789	2.7027446	21	—	—
395669 2011 WO_{100}	15.2	X	256.97470	346.98899	83.78486	18.77581	0.0974425	0.17518563	3.1632758	21	8 23.8	20.0
395670 2011 WW_{102}	16.5	X	184.90860	149.02681	178.71370	7.95150	0.1739511	0.23861621	2.5743608	21	1 21.8	20.8
395671 2011 WA_{113}	15.1	X	262.18861	335.30681	83.59654	28.19027	0.0969745	0.17588415	3.1548950	21	8 14.6	20.1
395672 2011 WD_{117}	12.8	X	305.31453	349.25245	75.97623	36.61679	0.0438807	0.08360677	5.1797454	21	10 28.1	20.0
395673 2011 WE_{120}	16.0	X	341.69787	263.49790	100.94462	12.27622	0.1054135	0.18474526	3.0531901	21	9 30.0	19.9
395674 2011 WZ_{120}	16.5	X	85.03367	261.23783	84.45488	8.87875	0.2213721	0.21424242	2.7660864	21	—	—
395675 2011 WF_{121}	16.8	X	97.86141	275.65589	89.36504	10.50746	0.1375482	0.21992507	2.7182302	21	—	—
395676 2011 WX_{122}	16.5	X	165.97647	338.61915	230.88647	6.13754	0.0197518	0.19130659	2.9829737	21	10 30.8	20.8
395677 2011 WO_{126}	16.0	X	326.11833	321.31906	52.37710	10.77955	0.0603425	0.17926794	3.1150687	21	9 18.3	20.2
395678 2011 WR_{127}	16.9	X	49.02843	252.41976	125.03520	3.39506	0.0885877	0.21166383	2.7885062	21	—	—
395679 2011 WD_{133}	16.8	X	137.84660	190.96403	162.53404	12.79973	0.1512736	0.22942427	2.6426712	21	1 6.6	20.7
395680 2011 WW_{143}	16.1	X	307.90041	310.84590	82.04934	10.58524	0.0905521	0.18464946	3.0542460	21	9 14.2	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
395681 2011 WE_{145}	16.2	X	15.71316	88.91185	253.37755	6.74674	0.0695608	0.18554090	3.0444554	21	10 12.8	20.3
395682 2011 WM_{146}	15.9	X	313.13327	0.17015	33.65630	17.33850	0.0913460	0.18349990	3.0669885	21	9 24.9	20.0
395683 2011 WV_{146}	16.1	X	344.03582	281.43859	87.09684	11.83422	0.1231596	0.18546502	3.0452857	21	10 9.6	19.9
395684 2011 WO_{153}	16.2	X	290.51833	197.95839	181.16203	9.19693	0.0876317	0.17431414	3.1738103	21	7 25.1	20.6
395685 2011 YQ	15.5	X	169.80004	107.33566	49.47001	23.19079	0.0143545	0.18154933	3.0889173	21	9 13.7	20.4
395686 2011 YB_{2}	15.7	X	14.17168	65.83590	228.48552	14.65055	0.0461510	0.16865293	3.2444428	21	8 3.3	20.4
395687 2011 YS_{2}	16.1	X	345.81755	321.18969	54.65632	6.03188	0.1574280	0.18126901	3.0921010	21	10 17.3	19.5
395688 2011 YG_{21}	14.9	X	24.96089	213.85618	95.68275	29.76863	0.1817833	0.17465492	3.1696806	21	10 16.5	19.5
395689 2011 YS_{22}	15.7	X	304.13248	313.13008	88.92506	10.55078	0.0795735	0.17414689	3.1758421	21	9 20.7	20.1
395690 2011 YL_{52}	15.6	X	35.17698	256.40282	57.30371	12.59539	0.1041330	0.18282247	3.0745603	21	10 15.3	19.7
395691 2011 YE_{59}	15.6	X	337.92253	269.54237	115.85934	22.60849	0.1305885	0.17864166	3.1223449	21	10 24.7	19.8
395692 2012 AF_{1}	13.9	X	284.81287	356.85341	119.12065	13.56616	0.1144890	0.08290782	5.2088165	21	11 5.6	20.8
395693 2012 AM_{11}	15.0	X	289.99747	298.13725	112.24193	22.56716	0.1217254	0.17234355	3.1979575	21	9 5.5	19.6
395694 2012 AQ_{13}	14.7	X	211.15094	1.34051	318.40087	7.47398	0.1535369	0.12371275	3.9889606	21	2 18.4	21.0
395695 2012 AW_{21}	13.9	X	327.52659	87.74179	345.42849	6.62305	0.0570565	0.08328082	5.1932517	21	11 9.3	20.6
395696 2012 BB_{27}	13.6	X	344.50979	349.59093	76.84321	11.57968	0.1192457	0.08308978	5.2012089	21	11 25.1	19.8
395697 2012 BE_{127}	15.4	X	10.97882	234.65230	112.53584	10.52778	0.0907092	0.17545546	3.1600318	21	10 20.3	19.6
395698 2012 BO_{129}	16.7	X	19.56436	351.85327	96.47415	3.37936	0.1412571	0.20292673	2.8679828	21	—	—
395699 2012 GN_{12}	10.7	X	70.59759	172.09966	350.82203	12.59715	0.3715065	0.01673722	15.1360932	21	6 29.2	22.5
395700 2012 OM_{5}	16.0	X	322.92283	24.27111	343.95746	14.33306	0.3326540	0.21361301	2.7715172	21	8 4.9	18.4
395701 2012 RC_{22}	17.0	X	13.96727	218.25119	191.59939	13.71422	0.2844584	0.23524035	2.5989315	21	—	—
395702 2012 RY_{26}	16.8	X	290.21780	86.53690	353.67119	11.46189	0.1744922	0.22412255	2.6841844	21	10 4.9	19.9
395703 2012 SB	17.6	X	99.06217	207.13662	203.37802	20.85821	0.1204798	0.37950606	1.8893985	21	—	—
395704 2012 SE_{55}	17.4	X	157.52891	59.85607	36.96964	8.08017	0.1226289	0.29154175	2.2525212	21	5 31.6	20.6
395705 2012 SY_{56}	16.5	X	324.91612	304.57090	206.32315	16.49566	0.0617840	0.25513654	2.4619975	21	—	—
395706 2012 SO_{59}	17.0	X	92.41996	230.01616	197.83510	11.29698	0.1633597	0.26344898	2.4099334	21	2 3.4	19.9
395707 2012 TB_{5}	17.9	X	49.40977	235.41938	201.50989	24.15345	0.1327108	0.37136458	1.9169130	21	—	—
395708 2012 TE_{33}	16.4	X	310.70761	71.27403	13.82248	12.63997	0.2301366	0.22476896	2.6790357	21	11 12.5	18.9
395709 2012 TP_{79}	17.4	X	148.17641	294.79620	58.24465	22.47909	0.0786210	0.37595500	1.9012774	21	—	—
395710 2012 TJ_{82}	16.7	X	101.17632	164.67022	234.13062	7.54964	0.2628094	0.26047137	2.4282649	21	1 26.0	19.5
395711 2012 TQ_{98}	16.9	X	256.41062	280.28893	216.85727	7.49903	0.2356813	0.21940740	2.7225041	21	10 24.2	20.5
395712 2012 TZ_{131}	16.7	X	333.93802	62.09690	36.78689	13.45249	0.2456721	0.23187810	2.6239943	21	—	—
395713 2012 TA_{150}	18.2	X	189.81530	70.54753	28.53704	3.26097	0.0843352	0.30176327	2.2013637	21	7 12.1	21.1
395714 2012 TL_{161}	17.9	X	155.83821	39.17737	46.50856	3.70228	0.1992622	0.28920731	2.2646263	21	5 20.8	21.3
395715 2012 TF_{169}	17.7	X	172.79691	268.94007	40.97473	21.84584	0.0698794	0.37118228	1.9175406	21	—	—
395716 2012 TT_{174}	18.3	X	96.02668	219.17393	254.82242	3.81489	0.1700573	0.28038388	2.3118910	21	4 16.2	20.9
395717 2012 TV_{196}	17.4	X	104.09356	310.56705	252.45565	3.31710	0.0657442	0.30895195	2.1670824	21	8 19.4	20.0
395718 2012 TR_{209}	16.2	X	289.14794	311.60101	94.86764	4.66282	0.0937624	0.21185714	2.7868097	21	9 2.8	19.8
395719 2012 TZ_{270}	17.8	X	301.52415	260.33128	213.34873	2.95278	0.1857092	0.22861265	2.6489222	21	12 14.8	20.2
395720 2012 TE_{295}	18.0	X	113.28704	202.99843	224.24955	3.45753	0.1745370	0.26761133	2.3848792	21	3 8.3	20.9
395721 2012 TP_{304}	16.6	X	343.69359	243.30460	195.47159	30.46783	0.2102434	0.23129660	2.6283905	21	—	—
395722 2012 TE_{311}	18.0	X	209.85753	198.52769	202.52926	4.63442	0.1636033	0.29857672	2.2169986	21	5 12.5	21.3
395723 2012 TZ_{321}	15.9	X	236.93335	277.21961	116.73983	11.21923	0.1268074	0.18601262	3.0393061	21	6 7.6	20.6
395724 2012 UZ_{18}	18.4	X	10.63376	227.65316	204.46331	23.02779	0.1462198	0.35216322	1.9859732	21	—	—
395725 2012 UB_{31}	16.7	X	58.34599	289.58223	42.30831	6.48902	0.0917957	0.22672897	2.6635736	21	12 7.5	20.4
395726 2012 UA_{33}	17.6	X	105.43356	328.39089	176.01572	3.93646	0.0426900	0.29272553	2.2464443	21	5 24.4	20.3
395727 2012 UG_{41}	17.6	X	247.28644	216.21621	182.73822	3.17589	0.0486224	0.30691882	2.1766422	21	7 2.1	20.2
395728 2012 UN_{41}	18.3	X	195.91437	17.40084	49.80777	3.54664	0.1486597	0.29704650	2.2246059	21	6 2.2	21.6
395729 2012 UU_{43}	17.1	X	304.58990	31.18337	57.91287	15.26622	0.2099379	0.21758977	2.7376446	21	11 11.2	19.9
395730 2012 UY_{44}	17.0	X	332.80898	251.51560	206.89828	12.91137	0.1629666	0.23389600	2.6088805	21	—	—
395731 2012 UA_{48}	17.0	X	269.01435	80.76620	49.01979	8.82211	0.2065049	0.22085167	2.7106217	21	11 5.7	20.3
395732 2012 UX_{57}	18.3	X	292.53680	151.78204	235.23487	2.43995	0.0506599	0.31497639	2.1393609	21	8 22.3	20.5
395733 2012 UO_{77}	16.6	X	16.49460	31.11693	40.47768	13.57091	0.1611349	0.23606920	2.5928446	21	—	—
395734 2012 UZ_{77}	17.9	X	83.33432	181.05287	293.72034	1.57123	0.1569070	0.27249858	2.3562781	21	3 27.7	20.2
395735 2012 UE_{78}	17.0	X	33.10700	284.35132	215.54499	8.47478	0.0871324	0.26660908	2.3908524	21	1 26.5	19.7
395736 2012 UX_{83}	17.7	X	78.59433	126.62337	351.44668	4.61449	0.1020971	0.26974810	2.3722682	21	3 17.1	20.0
395737 2012 UC_{87}	17.4	X	260.04766	356.03173	44.15324	6.41708	0.1091606	0.30809894	2.1710804	21	7 14.3	20.1
395738 2012 UY_{89}	17.6	X	110.84999	12.17907	53.14451	3.09217	0.1802674	0.26536775	2.3983025	21	3 6.9	20.6
395739 2012 UC_{109}	17.4	X	4.22768	194.84541	30.69307	8.10267	0.1313753	0.28749878	2.2735894	21	4 9.3	19.2
395740 2012 UM_{119}	18.0	X	190.98654	0.07731	59.53435	6.03847	0.1200328	0.28926925	2.2643030	21	5 18.5	21.1
395741 2012 UX_{123}	16.3	X	50.15397	292.49769	14.27726	6.14354	0.0366394	0.21136541	2.7911302	21	10 15.7	19.9
395742 2012 UZ_{123}	17.8	X	131.79251	101.15447	358.44493	3.30239	0.1277831	0.28153537	2.3055829	21	5 6.9	20.8
395743 2012 UQ_{125}	17.1	X	85.04857	188.93608	257.21848	5.77691	0.0741242	0.26356814	2.4092070	21	2 5.4	19.9
395744 2012 UJ_{126}	16.7	X	294.52463	51.42989	31.42191	7.97241	0.2000945	0.21282192	2.7783811	21	10 14.1	19.6
395745 2012 UJ_{147}	17.2	X	8.54661	185.14097	255.56078	2.67428	0.0259109	0.24108703	2.5567415	21	—	—
395746 2012 UN_{152}	17.4	X	72.62294	289.02584	151.32120	2.66369	0.1920998	0.25646223	2.4535059	21	1 26.0	19.4
395747 2012 UR_{162}	18.2	X	251.25744	134.56024	260.85085	1.50662	0.1514277	0.30348469	2.1930314	21	6 18.3	21.0
395748 2012 UR_{169}	16.2	X	338.98563	344.04918	100.30801	19.07350	0.2489586	0.22103252	2.7091430	21	—	—
395749 2012 UL_{172}	17.6	X	128.39617	91.50303	2.13425	6.09432	0.1056189	0.27987186	2.3147098	21	4 20.9	20.6
395750 2012 UP_{176}	17.8	X	86.86704	150.30587	321.03666	3.92801	0.1064880	0.27110769	2.3643304	21	3 19.7	20.4
395751 2012 VO_{11}	17.6	X	55.80246	67.14826	58.03098	3.89474	0.0453846	0.27097757	2.3650872	21	2 14.8	20.4
395752 2012 VP_{14}	17.0	X	289.05192	55.99636	34.42359	9.80764	0.2723658	0.21126190	2.7920419	21	10 4.7	20.1
395753 2012 VH_{21}	16.4	X	280.31822	98.71138	45.11738	12.52071	0.1740787	0.22809039	2.6529642	21	12 17.2	19.5
395754 2012 VA_{23}	18.1	X	110.34304	265.72493	227.51918	3.01600	0.1110976	0.28693386	2.2765727	21	5 25.7	21.0
395755 2012 VV_{23}	17.8	X	91.35866	37.94562	72.41836	2.86531	0.1100143	0.27379400	2.3488400	21	3 28.7	20.3
395756 2012 VJ_{28}	17.7	X	346.52362	142.51401	308.61222	2.97132	0.1628803	0.23656708	2.5892055	21	—	—
395757 2012 VB_{34}	17.0	X	93.95361	47.93916	109.32015	6.81007	0.1031581	0.28669918	2.2778148	21	6 6.1	19.6
395758 2012 VG_{35}	18.1	X	237.42477	341.86760	71.86943	5.29952	0.1022503	0.30423548	2.1894220	21	7 3.8	21.0
395759 2012 VL_{35}	17.2	X	337.45330	34.96263	76.16185	5.09889	0.1593329	0.23570084	2.5955454	21	—	—
395760 2012 VY_{36}	17.3	X	71.93861	280.20476	75.65839	23.90078	0.1096429	0.34864076	1.9993275	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
395761 2012 VR_{39}	16.3	X	306.17262	260.57646	252.25546	11.94723	0.1164042	0.23736764	2.5833805	21	—	—
395762 2012 VS_{39}	17.7	X	277.04069	97.18622	292.39255	2.98267	0.1819933	0.31005816	2.1619249	21	7 9.5	20.0
395763 2012 VP_{41}	18.2	X	127.43985	107.79126	46.40596	5.32621	0.0734750	0.30211867	2.1996369	21	7 13.4	21.0
395764 2012 VW_{42}	17.5	X	225.40860	187.16361	235.28231	2.68461	0.0614620	0.29860262	2.2168704	21	7 4.9	20.4
395765 2012 VC_{44}	18.4	X	42.38405	24.59751	229.72822	1.73183	0.0135000	0.30942512	2.1648726	21	7 27.6	20.6
395766 2012 VP_{45}	17.2	X	2.21777	88.29153	57.34280	15.10980	0.0615846	0.25348239	2.4726968	21	—	—
395767 2012 VH_{54}	17.8	X	59.51491	253.00782	217.54739	4.35064	0.0680809	0.26414271	2.4057120	21	1 30.4	20.5
395768 2012 VU_{56}	18.0	X	130.55201	9.37665	69.74514	3.48237	0.1782651	0.27605906	2.3359742	21	4 16.6	21.1
395769 2012 VT_{57}	17.1	X	29.23591	149.41823	50.99183	6.73929	0.0522105	0.28385284	2.2930167	21	4 20.2	19.4
395770 2012 VW_{59}	17.7	X	248.99430	316.88100	67.37769	6.25174	0.0966951	0.29995218	2.2102159	21	6 6.2	20.3
395771 2012 VP_{60}	17.4	X	347.96595	83.96979	68.29301	6.58212	0.1225687	0.25157245	2.4851961	21	—	—
395772 2012 VD_{62}	17.6	X	293.20756	298.00056	180.12697	7.66126	0.2493468	0.22209095	2.7005287	21	11 25.3	20.3
395773 2012 VK_{69}	18.4	X	76.45989	353.50189	96.49462	3.49478	0.1760373	0.26119887	2.4237539	21	2 14.8	20.8
395774 2012 VZ_{74}	15.9	X	40.19870	149.55347	96.47867	6.17822	0.0799683	0.18409028	3.0604279	21	7 18.3	19.8
395775 2012 VN_{75}	17.9	X	113.45164	281.12441	131.90486	2.42250	0.1775526	0.26140683	2.4224683	21	2 20.8	20.9
395776 2012 VN_{77}	17.9	X	113.17977	251.32746	177.70469	2.30505	0.1734686	0.26715930	2.3875685	21	3 11.9	20.8
395777 2012 VZ_{82}	16.8	X	286.41558	82.09557	59.20228	12.26023	0.1412218	0.22576989	2.6711116	21	12 28.8	19.9
395778 2012 VG_{88}	16.4	X	347.75143	44.63456	63.79157	5.56910	0.1837122	0.23369905	2.6103460	21	—	—
395779 2012 VH_{88}	17.1	X	224.67423	192.97717	250.17659	4.25097	0.0200498	0.30459583	2.1876949	21	8 7.5	19.6
395780 2012 VD_{89}	16.9	X	345.61847	201.81507	249.75584	6.83545	0.2586752	0.22801716	2.6535322	21	—	—
395781 2012 VF_{90}	17.4	X	294.45763	112.98046	72.88904	7.89555	0.0970250	0.24455693	2.5324997	21	—	—
395782 2012 VT_{92}	18.0	X	134.43440	256.25862	183.36491	2.24356	0.1444548	0.27529832	2.3402756	21	4 16.8	21.0
395783 2012 VF_{98}	16.6	X	326.82463	267.92722	175.84060	11.46253	0.1631265	0.22406844	2.6846165	21	12 22.9	19.5
395784 2012 VS_{100}	16.9	X	314.57433	57.77535	64.28420	13.65014	0.2126623	0.22785049	2.6548260	21	—	—
395785 2012 VB_{101}	17.5	X	147.33185	308.24917	107.80980	6.74878	0.0788266	0.27494622	2.3422732	21	3 26.8	20.7
395786 2012 VB_{111}	17.8	X	59.93467	297.42234	212.31442	6.23718	0.0492297	0.27542917	2.3395344	21	3 24.0	20.5
395787 2012 WT	17.3	X	46.34250	223.67425	207.68782	12.86393	0.1840858	0.24515516	2.5283781	21	—	—
395788 2012 WV_{1}	18.1	X	13.91724	49.30239	94.33847	3.24454	0.1207325	0.25673413	2.4517733	21	1 2.2	20.6
395789 2012 WZ_{1}	17.9	X	51.01392	126.82498	69.88325	5.34751	0.1105592	0.28703414	2.2760424	21	5 26.9	19.8
395790 2012 WC_{4}	17.3	X	17.78246	271.46174	243.76088	7.63305	0.1546341	0.25944145	2.4346870	21	1 19.1	19.7
395791 2012 WK_{7}	18.5	X	107.78342	143.75652	300.46204	0.61756	0.1586389	0.26909698	2.3760934	21	3 22.6	21.4
395792 2012 WS_{14}	17.8	X	51.00932	344.94087	112.93976	2.05130	0.1132255	0.25356013	2.4721913	21	1 4.6	20.4
395793 2012 WL_{17}	17.5	X	41.79809	238.99906	196.08342	3.67262	0.1536000	0.24406033	2.5359338	21	—	—
395794 2012 WO_{18}	17.6	X	35.87382	339.44357	254.78439	7.42812	0.0262814	0.29524168	2.2336627	21	6 17.9	19.9
395795 2012 WZ_{19}	16.4	X	253.58137	138.09250	59.18100	33.78323	0.1901433	0.23224456	2.6212334	21	—	—
395796 2012 WT_{21}	17.5	X	338.25099	39.32198	266.31515	6.29085	0.0218658	0.29967245	2.2115911	21	7 4.6	20.0
395797 2012 WX_{21}	16.1	X	251.64468	288.56581	255.42524	12.33869	0.1509148	0.22776422	2.6554964	21	12 30.3	19.6
395798 2012 WW_{22}	16.3	X	319.02809	72.74488	59.06911	15.42147	0.0940157	0.23412106	2.6072083	21	—	—
395799 2012 WD_{25}	17.3	X	114.28722	215.45356	218.03474	5.67837	0.2149864	0.26679507	2.3897411	21	3 24.0	20.5
395800 2012 WC_{30}	17.6	X	347.18185	176.54395	71.96363	7.18944	0.0583518	0.28639779	2.2794126	21	4 23.0	20.1
395801 2012 WC_{31}	18.2	X	60.49162	52.29453	78.11275	2.24771	0.1401004	0.26671566	2.3902154	21	3 10.8	20.3
395802 2012 WB_{35}	16.7	X	358.08315	24.00965	51.29818	13.69077	0.1676315	0.22989053	2.6390969	21	—	—
395803 2012 XT_{2}	17.6	X	165.84385	329.59824	95.89777	6.21182	0.1344634	0.28206190	2.3027127	21	5 2.9	21.0
395804 2012 XR_{6}	16.9	X	327.35854	8.45457	86.64390	11.92687	0.1866311	0.22721508	2.6597733	21	—	—
395805 2012 XW_{11}	17.9	X	86.75158	325.77455	135.06640	2.12087	0.1398358	0.26776884	2.3839439	21	3 12.8	20.4
395806 2012 XX_{12}	16.1	X	353.90377	107.74584	39.98428	7.23265	0.1422608	0.24498544	2.5295457	21	—	—
395807 2012 XD_{16}	17.5	X	203.67142	319.98312	97.59682	8.68062	0.1599166	0.29229502	2.2486495	21	5 29.6	20.9
395808 2012 XO_{21}	18.1	X	142.76862	270.73019	213.72324	1.99481	0.0479227	0.29220311	2.2491210	21	6 16.7	20.7
395809 2012 XA_{24}	17.9	X	207.52244	208.81338	240.10977	4.04471	0.0715978	0.30223381	2.1990783	21	7 18.6	20.7
395810 2012 XV_{24}	17.5	X	11.22738	28.75530	241.13191	6.85572	0.1134816	0.30100578	2.2050553	21	7 5.8	19.3
395811 2012 XT_{25}	17.3	X	56.17366	68.62263	61.54154	7.17719	0.0702989	0.26643426	2.3918981	21	2 27.2	20.0
395812 2012 XK_{27}	17.5	X	102.01624	184.48131	260.73134	6.26663	0.1404604	0.26552277	2.3973689	21	3 10.1	20.5
395813 2012 XJ_{28}	17.1	X	330.51626	243.71631	275.17719	2.44727	0.1653627	0.24237362	2.5476855	21	—	—
395814 2012 XK_{28}	17.4	X	159.97685	359.95272	63.51270	3.79292	0.1838622	0.27921276	2.3183511	21	4 26.3	20.8
395815 2012 XQ_{33}	17.5	X	179.03926	171.45535	230.48204	1.30470	0.2031069	0.28008922	2.3135122	21	4 15.8	21.3
395816 2012 XY_{36}	16.9	X	325.48309	308.59144	219.30067	1.83505	0.1425368	0.24374141	2.5381455	21	—	—
395817 2012 XJ_{38}	17.2	X	33.18137	133.86894	87.06643	7.35915	0.0523849	0.28581385	2.2825162	21	5 27.5	19.5
395818 2012 XE_{41}	16.9	X	313.86401	172.16030	257.56914	4.50922	0.1056680	0.21347743	2.7726906	21	11 7.7	20.1
395819 2012 XD_{42}	16.6	X	166.32539	263.23353	256.84587	5.79146	0.1272681	0.18996514	2.9970002	21	8 28.6	21.5
395820 2012 XB_{45}	18.0	X	16.67701	184.39122	64.38724	5.32608	0.1139458	0.29011971	2.2598757	21	6 12.5	19.9
395821 2012 XB_{50}	16.5	X	209.86457	233.35874	238.20335	8.63472	0.1073240	0.19207977	2.9749634	21	8 11.9	21.3
395822 2012 XB_{53}	16.8	X	14.34828	336.64617	97.59233	9.94373	0.2466609	0.23049297	2.6344963	21	—	—
395823 2012 XS_{56}	17.7	X	111.55517	60.14403	103.68358	2.67234	0.0558677	0.29502959	2.2347331	21	7 2.4	20.4
395824 2012 XX_{56}	17.7	X	68.69737	23.16046	79.08967	3.66307	0.0968444	0.26182487	2.4198890	21	2 8.8	20.2
395825 2012 XN_{62}	16.9	X	67.08712	26.56592	98.93957	12.77091	0.1010679	0.26610125	2.3938932	21	3 16.7	19.7
395826 2012 XN_{64}	16.9	X	294.46559	328.42157	206.27611	9.18163	0.1398817	0.23658574	2.5890693	21	—	—
395827 2012 XU_{71}	17.7	X	62.94189	76.15153	127.74646	5.41712	0.0874300	0.29193642	2.2504906	21	6 24.6	20.2
395828 2012 XN_{76}	17.7	X	101.16377	273.89457	207.05891	6.48552	0.0619830	0.27796735	2.3252707	21	4 17.4	20.2
395829 2012 XD_{77}	16.7	X	187.34127	207.24906	70.29832	15.00649	0.0337507	0.24315866	2.5421990	21	—	—
395830 2012 XG_{78}	17.8	X	334.11477	19.09656	211.84498	4.56435	0.0437426	0.27410652	2.3470543	21	3 7.2	20.5
395831 2012 XN_{80}	17.0	X	131.34283	282.01587	114.72959	7.46408	0.1733093	0.26446458	2.4037596	21	2 22.1	20.3
395832 2012 XF_{84}	16.0	X	211.86526	169.09934	282.35267	7.02300	0.0896253	0.17717793	3.1395179	21	7 23.5	20.8
395833 2012 XE_{96}	17.1	X	127.96755	268.62106	114.10639	9.32074	0.0710982	0.25593666	2.4568636	21	1 15.4	20.3
395834 2012 XO_{97}	17.8	X	191.79317	113.60298	316.86523	3.47605	0.1099507	0.29033254	2.2587712	21	6 2.7	21.1
395835 2012 XH_{102}	16.4	X	32.05213	327.35756	55.49080	13.69847	0.1795003	0.22889348	2.6467551	21	—	—
395836 2012 XU_{104}	17.2	X	260.22665	76.09291	57.95477	9.17378	0.2261265	0.21621942	2.7491995	21	10 28.3	20.9
395837 2012 XM_{105}	16.5	X	267.78790	187.36832	53.54701	8.12337	0.1454027	0.24084814	2.5584319	21	—	—
395838 2012 XC_{106}	16.6	X	111.50671	289.09500	96.97916	11.33073	0.0073302	0.24068666	2.5595760	21	—	—
395839 2012 XC_{107}	16.8	X	19.95805	190.96979	274.12289	4.04618	0.0787084	0.24348981	2.5398936	21	—	—
395840 2012 XG_{107}	15.9	X	218.25028	355.31986	81.43344	10.48688	0.1208370	0.18381629	3.0634682	21	7 10.9	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
395841 2012 XP_{107}	16.5	X	68.84336	157.91315	235.56595	7.59548	0.1669332	0.24215248	2.5492364	21	—	—
395842 2012 XN_{110}	16.5	X	42.85291	308.95992	116.32494	11.61168	0.1036844	0.24271037	2.5453285	21	—	—
395843 2012 XN_{120}	17.2	X	331.37045	94.47918	37.83774	2.23044	0.1780199	0.23711330	2.5852276	21	—	—
395844 2012 XU_{135}	15.6	X	259.90499	337.15130	127.10206	9.41459	0.1206886	0.19956952	2.9000573	21	10 5.2	19.7
395845 2012 XN_{136}	16.3	X	59.62700	335.21622	110.97090	15.71805	0.0568886	0.24082514	2.5585948	21	1 4.5	19.4
395846 2012 XV_{137}	16.4	X	33.51700	162.06699	235.20098	9.67517	0.1767376	0.23370144	2.6103282	21	—	—
395847 2012 XA_{141}	17.9	X	340.42137	338.50646	6.10487	2.37169	0.1497769	0.31667456	2.1317058	21	9 9.9	19.1
395848 2012 XZ_{141}	18.0	X	105.39959	357.11661	105.69985	2.77190	0.1073862	0.27457153	2.3444036	21	4 7.2	20.7
395849 2012 XO_{143}	17.0	X	319.26782	11.21408	235.92442	6.78261	0.0794015	0.27471663	2.3435780	21	2 28.9	19.9
395850 2012 XX_{150}	17.7	X	209.49148	200.06024	192.57570	5.83359	0.1576065	0.28302095	2.2975078	21	5 2.4	21.2
395851 2012 XV_{152}	16.6	X	252.16776	109.21148	84.86021	8.73529	0.0765709	0.22826154	2.6516379	21	—	—
395852 2012 XF_{154}	17.0	X	246.55579	65.22372	159.05462	8.12789	0.1156217	0.22705189	2.6610476	21	—	—
395853 2012 YT	17.9	X	192.00323	295.29807	123.37316	4.28186	0.1532378	0.29021378	2.2593874	21	5 19.6	21.3
395854 2012 YH_2	16.9	X	37.76799	221.69498	216.00775	6.02363	0.1325162	0.24072234	2.5593231	21	—	—
395855 2013 AN_1	17.1	X	256.00192	61.94019	43.23826	2.42533	0.0764346	0.19779188	2.9174073	21	10 4.4	21.0
395856 2013 AY_2	16.7	X	174.69405	96.73309	14.43044	1.73962	0.2366928	0.17329210	3.1862770	21	7 11.1	22.2
395857 2013 AA_3	17.1	X	358.84383	44.14592	93.48902	10.62666	0.0552482	0.24126025	2.5555176	21	—	—
395858 2013 AS_4	16.7	X	207.95933	212.84551	280.75648	7.99689	0.0934781	0.19001439	2.9964823	21	9 6.8	21.4
395859 2013 AD_5	16.7	X	248.77992	138.04089	80.75586	14.98183	0.0950186	0.23655416	2.5892997	21	—	—
395860 2013 AF_5	17.8	X	10.27780	47.80283	45.35661	2.63445	0.1129608	0.23709511	2.5853598	21	—	—
395861 2013 AV_6	16.8	X	28.94788	323.77389	114.50431	5.56429	0.2176765	0.23391878	2.6087111	21	—	—
395862 2013 AO_7	16.0	X	232.91386	288.90217	126.99377	10.13442	0.2332237	0.17567586	3.1573883	21	6 21.1	21.3
395863 2013 AW_8	16.9	X	79.23649	350.54257	69.23524	6.78519	0.1304152	0.24475542	2.5311303	21	1 5.3	19.7
395864 2013 AG_{14}	16.4	X	96.82054	271.64566	120.46032	14.33471	0.1314289	0.23781178	2.5801630	21	—	—
395865 2013 AW_{14}	16.4	X	159.93479	139.21863	40.62112	3.21096	0.1375460	0.18278221	3.0750116	21	9 19.2	21.3
395866 2013 AU_{18}	17.3	X	47.05520	312.39192	100.51431	3.26566	0.1227022	0.23048385	2.6345658	21	—	—
395867 2013 AJ_{19}	17.3	X	53.17908	297.79580	111.45359	4.95910	0.1715993	0.23170191	2.6253244	21	—	—
395868 2013 AZ_{20}	15.9	X	108.25570	110.02262	130.67094	17.33898	0.0541806	0.18536363	3.0463960	21	10 10.5	20.6
395869 2013 AF_{21}	16.7	X	44.27758	325.86092	93.92893	10.23461	0.1115966	0.23085368	2.6317513	21	—	—
395870 2013 AS_{22}	16.5	X	240.50340	300.58640	313.84015	7.76408	0.2123869	0.22605315	2.6688798	21	—	—
395871 2013 AF_{23}	16.9	X	108.89076	254.15026	109.70143	2.98148	0.1057536	0.22991828	2.6388845	21	—	—
395872 2013 AA_{24}	16.3	X	344.64431	28.98277	87.43756	23.07948	0.0681506	0.23018402	2.6368531	21	—	—
395873 2013 AQ_{25}	16.2	X	140.52631	281.17354	246.78326	3.96996	0.1210440	0.18326571	3.0696009	21	8 13.8	21.1
395874 2013 AR_{26}	17.6	X	186.53945	293.18280	90.78039	4.32922	0.1135513	0.27487464	2.3426798	21	3 30.5	21.0
395875 2013 AW_{27}	16.6	X	321.61038	63.31555	84.30355	13.92417	0.0959769	0.22867359	2.6484516	21	—	—
395876 2013 AW_{28}	15.9	X	161.32644	66.55280	72.14270	10.47075	0.0271931	0.17450510	3.1714946	21	7 30.1	20.6
395877 2013 AJ_{29}	17.4	X	118.99632	15.21559	111.68827	7.40501	0.0406079	0.28440328	2.2900571	21	5 19.8	20.2
395878 2013 AU_{29}	17.1	X	148.84599	313.20044	39.49941	8.45057	0.0347791	0.24443301	2.5333555	21	—	—
395879 2013 AR_{32}	16.1	X	237.98774	45.15434	73.69440	14.25489	0.1275957	0.19210667	2.9746857	21	9 29.9	20.7
395880 2013 AM_{35}	16.9	X	224.18606	188.28701	9.49932	4.04230	0.0379559	0.21439679	2.7647585	21	12 27.3	20.7
395881 2013 AT_{35}	16.6	X	207.29750	350.21124	95.80180	12.85300	0.0724260	0.17464916	3.1697503	21	7 13.8	21.4
395882 2013 AQ_{38}	17.4	X	109.39065	286.25178	134.02106	1.87848	0.1687048	0.25404156	2.4690670	21	2 24.9	20.5
395883 2013 AC_{39}	16.1	X	285.03313	115.46930	298.66675	9.71300	0.0340228	0.18717818	3.0266758	21	9 6.8	20.4
395884 2013 AU_{39}	16.4	X	184.70196	24.43463	127.07268	10.08229	0.0768406	0.18309703	3.0714858	21	9 11.5	21.1
395885 2013 AG_{40}	16.8	X	130.27121	140.73396	147.21994	4.97714	0.0338675	0.21093502	2.7949256	21	12 27.9	20.8
395886 2013 AF_{42}	17.5	X	31.31452	65.22945	10.05441	5.39807	0.2764766	0.23340832	2.6125132	21	—	—
395887 2013 AJ_{42}	16.8	X	242.63247	66.29013	28.53668	6.90208	0.0614400	0.18396510	3.0618160	21	9 7.7	21.2
395888 2013 AK_{42}	16.2	X	36.85623	319.34278	66.32418	7.18017	0.0398276	0.21190423	2.7863968	21	—	—
395889 2013 AN_{42}	16.8	X	171.73137	123.92311	109.32078	2.92984	0.0953155	0.20437539	2.8544141	21	12 4.9	21.1
395890 2013 AV_{42}	16.3	X	347.72455	343.28281	114.16342	7.64709	0.0798271	0.22274294	2.6952564	21	—	—
395891 2013 AV_{43}	16.3	X	306.25702	47.00926	62.54034	5.10870	0.0636162	0.20952546	2.8074466	21	12 20.5	19.9
395892 2013 AZ_{45}	15.8	X	166.66551	63.41941	126.19402	17.94105	0.0950006	0.18567060	3.0430374	21	10 13.4	20.8
395893 2013 AE_{46}	16.5	X	268.35690	70.11107	82.90154	3.55312	0.0092953	0.20919825	2.8103733	21	12 29.5	20.4
395894 2013 AM_{46}	16.4	X	151.65572	234.24264	341.68734	6.16760	0.1616637	0.19216958	2.9740364	21	10 22.1	21.4
395895 2013 AH_{49}	16.2	X	275.82819	59.77225	15.01955	7.54733	0.1741138	0.19521865	2.9429882	21	9 8.0	20.1
395896 2013 AT_{49}	16.2	X	235.99204	19.99781	67.89948	10.99826	0.0588910	0.18470801	3.0536005	21	8 24.5	20.8
395897 2013 AL_{52}	16.7	X	93.46142	350.18333	55.56683	8.68019	0.0648333	0.24123310	2.5557093	21	1 1.2	19.9
395898 2013 AN_{52}	16.6	X	204.81959	17.16096	96.37403	18.53776	0.2082540	0.17997309	3.1069267	21	8 9.5	21.6
395899 2013 AH_{61}	17.2	X	275.56238	81.85446	52.70280	5.74258	0.1173123	0.21243411	2.7817614	21	12 2.4	20.5
395900 2013 AU_{63}	16.0	X	213.96406	333.47608	127.42519	15.79789	0.0963261	0.18166227	3.0876369	21	8 7.3	20.6
395901 2013 AH_{72}	16.8	X	11.85207	0.26268	67.29957	12.59566	0.1637291	0.22476730	2.6790488	21	—	—
395902 2013 AK_{72}	16.2	X	251.57378	32.62375	57.83893	12.18251	0.0774127	0.18956072	3.0012614	21	9 15.4	20.7
395903 2013 AV_{73}	16.9	X	310.91009	118.98901	31.48671	8.95948	0.0441046	0.22800828	2.6536011	21	—	—
395904 2013 AD_{74}	16.5	X	72.57800	25.87893	23.86753	8.88079	0.1993714	0.24008055	2.5638822	21	—	—
395905 2013 AW_{75}	16.4	X	299.12332	198.59388	104.26548	14.32065	0.0880765	0.27302233	2.3532637	21	4 29.3	19.6
395906 2013 AK_{77}	16.8	X	323.87908	18.58566	76.67816	5.85162	0.0945460	0.21651009	2.7467384	21	12 30.1	20.0
395907 2013 AC_{78}	16.3	X	230.45272	278.70948	255.79594	7.93377	0.0680487	0.20699616	2.8302699	21	11 30.3	20.3
395908 2013 AY_{79}	17.3	X	233.96264	221.28118	44.36637	0.27401	0.0261338	0.23802669	2.5786097	21	—	—
395909 2013 AA_{80}	16.9	X	263.35571	105.82206	120.47333	2.65007	0.0104232	0.23498995	2.6007775	21	—	—
395910 2013 AQ_{80}	16.3	X	219.87556	272.09189	158.56134	10.35338	0.1810108	0.17686419	3.1432296	21	6 30.4	21.6
395911 2013 AK_{84}	16.7	X	343.07888	328.60456	96.38332	5.07166	0.0836458	0.21402020	2.7680008	21	12 19.4	20.1
395912 2013 AM_{87}	16.8	X	88.98844	218.57074	67.99237	3.71949	0.0708485	0.20096805	2.8865874	21	11 11.5	21.0
395913 2013 AR_{87}	16.8	X	52.16372	299.04609	90.63537	6.27151	0.0500419	0.22429213	2.6828313	21	—	—
395914 2013 AT_{87}	16.9	X	284.96631	189.57634	12.73050	2.43442	0.0239831	0.23656790	2.5891994	21	—	—
395915 2013 AY_{88}	16.6	X	282.68272	125.34919	1.85234	4.07983	0.0524974	0.20954764	2.8072485	21	12 10.5	20.4
395916 2013 AP_{89}	16.3	X	94.88242	237.51293	104.92911	15.55132	0.1400360	0.22189848	2.7020901	21	—	—
395917 2013 AQ_{89}	15.9	X	58.79089	234.30833	99.93790	13.69918	0.1213864	0.20664115	2.8335106	21	12 12.9	19.9
395918 2013 AG_{90}	16.5	X	1.12790	0.52157	74.26553	7.75598	0.0431408	0.22083332	2.7107719	21	—	—
395919 2013 AH_{90}	16.4	X	309.89466	327.72464	87.59131	11.57265	0.0566687	0.19841923	2.9112547	21	10 21.4	20.4
395920 2013 AH_{92}	16.5	X	83.24893	118.13757	221.87427	4.84780	0.0417810	0.21865280	2.7287643	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
395921 2013 AQ_{92}	17.0	X	289.90551	212.72573	77.72572	8.06238	0.1200891	0.26630505	2.3926717	21	3 23.9	20.3
395922 2013 AU_{92}	16.5	X	195.25139	71.26743	71.26312	3.57260	0.0664208	0.18549177	3.0449930	21	9 11.5	21.1
395923 2013 AD_{93}	16.1	X	261.12759	350.35244	94.71975	10.92532	0.0276210	0.18979473	2.9987939	21	9 26.8	20.4
395924 2013 AP_{94}	16.9	X	161.89827	279.05474	80.39575	3.72689	0.0607692	0.25065548	2.4912534	21	1 28.1	20.2
395925 2013 AR_{95}	15.8	X	121.90639	101.72492	110.70303	10.86563	0.0492999	0.18000246	3.1065886	21	9 18.4	20.5
395926 2013 AX_{95}	16.0	X	193.29547	357.26361	78.27491	14.07531	0.1212952	0.17662360	3.1460833	21	6 14.0	21.1
395927 2013 AV_{96}	17.2	X	53.59388	53.65426	335.32713	5.16451	0.0580103	0.22328179	2.6909183	21	—	—
395928 2013 AG_{97}	16.9	X	213.58956	279.78019	132.47287	22.42867	0.1972696	0.28522427	2.2856605	21	6 4.5	21.1
395929 2013 AM_{100}	17.1	X	3.86321	24.63455	76.97273	1.74467	0.0680306	0.23142812	2.6273946	21	—	—
395930 2013 AY_{102}	17.2	X	17.03973	71.01832	75.26348	7.06184	0.0892002	0.25365536	2.4715725	21	1 16.1	19.9
395931 2013 AY_{104}	16.1	X	103.54268	217.21008	150.55373	11.74619	0.0875910	0.22359561	2.6883999	21	—	—
395932 2013 AK_{105}	17.0	X	340.90989	251.32997	216.32305	1.33382	0.0396707	0.22276563	2.6950734	21	—	—
395933 2013 AY_{105}	16.9	X	61.57379	172.26269	189.36076	4.95854	0.0759760	0.21636025	2.7480064	21	—	—
395934 2013 AQ_{106}	16.7	X	47.32299	244.07817	144.55889	7.72694	0.0579863	0.21964930	2.7205048	21	—	—
395935 2013 AC_{107}	16.7	X	111.68637	244.66645	176.12735	5.53131	0.1552299	0.25297503	2.4760017	21	2 25.7	19.7
395936 2013 AE_{107}	16.9	X	335.35288	167.69855	265.80983	2.26114	0.0742016	0.21093960	2.7948852	21	12 17.5	20.3
395937 2013 AY_{109}	15.9	X	192.58440	8.96452	143.03152	16.99808	0.1011858	0.18264546	3.0765463	21	9 19.6	20.8
395938 2013 AG_{110}	16.6	X	344.31306	19.33820	34.27575	4.77188	0.0606216	0.21156602	2.7893656	21	12 3.9	20.0
395939 2013 AG_{115}	17.1	X	69.05617	225.31118	189.07877	2.97030	0.1411536	0.24004370	2.5641446	21	—	—
395940 2013 AH_{116}	16.9	X	138.76444	293.24220	104.23564	8.26485	0.0831280	0.25158340	2.4851240	21	2 22.6	20.3
395941 2013 AD_{119}	16.3	X	347.05343	321.06701	108.30178	13.27556	0.0516610	0.21655385	2.7463683	21	12 29.5	19.8
395942 2013 AM_{121}	16.8	X	99.48243	246.63593	109.73493	6.56413	0.0878812	0.22292563	2.6937836	21	—	—
395943 2013 AN_{121}	17.3	X	135.48676	8.26498	39.29744	3.02821	0.1932251	0.25688521	2.4508119	21	3 15.5	20.9
395944 2013 AL_{122}	16.5	X	155.25179	153.52658	100.30887	7.48929	0.0536032	0.20662642	2.8336453	21	12 14.1	20.6
395945 2013 AW_{125}	16.2	X	353.35208	27.71080	97.97522	13.79601	0.0826804	0.23227983	2.6209680	21	—	—
395946 2013 AF_{127}	16.8	X	243.04661	83.10862	66.38775	5.88841	0.1047198	0.20226629	2.8742225	21	11 9.7	20.9
395947 2013 AY_{127}	17.4	X	135.17521	264.26490	161.77945	5.48255	0.1284205	0.27077877	2.3662446	21	3 29.7	20.5
395948 2013 AE_{129}	16.4	X	302.73205	282.26504	196.78361	3.54471	0.0547196	0.21289472	2.7777477	21	12 28.8	20.0
395949 2013 AJ_{129}	15.7	X	115.75477	326.59021	248.87701	6.85670	0.1257708	0.17859290	3.1229132	21	9 14.3	20.6
395950 2013 AZ_{129}	16.2	X	129.47653	68.49858	151.68387	9.95697	0.0976134	0.18633731	3.0357744	21	10 8.6	20.9
395951 2013 AG_{130}	16.8	X	312.70154	214.30784	191.71733	2.65548	0.0225367	0.19652281	2.9299536	21	10 10.0	20.8
395952 2013 AV_{133}	16.9	X	18.37481	129.03729	110.11832	7.08672	0.0773051	0.27199430	2.3591896	21	6 1.4	19.4
395953 2013 AY_{134}	16.8	X	137.03780	200.79035	131.19107	6.76947	0.0243337	0.22660119	2.6645749	21	—	—
395954 2013 AA_{135}	16.1	X	316.54164	218.23607	149.44218	11.81281	0.0750651	0.17634670	3.1493758	21	8 19.9	20.2
395955 2013 AP_{135}	16.3	X	39.77669	126.05225	152.33938	9.28507	0.0510799	0.17841447	3.1249951	21	8 25.1	20.3
395956 2013 AX_{149}	16.4	X	131.84539	268.84052	190.81205	8.58932	0.1231397	0.15483048	3.4347760	21	5 16.6	21.7
395957 2013 AD_{161}	16.3	X	194.74572	226.68583	234.72726	9.43266	0.1364704	0.17470773	3.1690419	21	7 14.9	21.6
395958 2013 AO_{162}	16.2	X	9.65795	163.31444	176.16231	10.60877	0.0753993	0.19249391	2.9706949	21	10 5.5	19.9
395959 2013 AH_{163}	16.6	X	216.74187	259.28898	194.19499	9.64433	0.1153588	0.17939171	3.1136357	21	7 27.7	21.5
395960 2013 AA_{165}	16.6	X	53.30715	62.93939	199.37045	9.96125	0.0218545	0.17862558	3.1225324	21	8 15.8	21.0
395961 2013 AU_{171}	16.3	X	270.51521	256.46534	218.17979	10.08180	0.0644455	0.20256306	2.8714144	21	11 6.1	20.0
395962 2013 AP_{174}	17.2	X	225.68562	257.78279	199.25683	10.85636	0.1236464	0.18311599	3.0712738	21	8 9.1	22.1
395963 2013 AQ_{174}	16.9	X	35.53381	232.05336	221.28847	10.31431	0.0459952	0.23655431	2.5892986	21	—	—
395964 2013 AR_{174}	16.1	X	227.27672	357.11216	169.64335	15.48497	0.0774108	0.20367549	2.8609496	21	11 18.5	20.4
395965 2013 AS_{179}	15.9	X	87.19457	350.83970	236.43458	11.90909	0.0987426	0.17566038	3.1575737	21	8 23.0	20.7
395966 2013 BQ_{3}	17.1	X	40.55193	335.64321	56.75039	6.93192	0.0513785	0.21814284	2.7330154	21	—	—
395967 2013 BS_{5}	16.1	X	100.15170	68.71634	144.55790	11.79904	0.0289169	0.17828593	3.1264969	21	8 17.2	20.4
395968 2013 BU_{5}	16.3	X	20.51868	112.02145	163.00254	8.34420	0.0270991	0.17319801	3.1874309	21	7 21.7	20.8
395969 2013 BO_{6}	16.5	X	247.44633	356.24162	198.58671	5.75560	0.0939607	0.21787110	2.7352874	21	—	—
395970 2013 BC_{9}	16.9	X	104.73248	356.29306	325.42443	5.49532	0.0313529	0.21739098	2.7393132	21	—	—
395971 2013 BT_{9}	16.9	X	4.03238	80.39101	335.27044	5.52202	0.0123708	0.21483349	2.7610105	21	12 31.5	20.7
395972 2013 BV_{9}	16.8	X	228.04457	155.08457	28.94106	4.40490	0.0355660	0.21059191	2.7979606	21	12 13.9	20.6
395973 2013 BM_{11}	17.3	X	294.79955	104.36821	27.88592	0.54018	0.0140364	0.21525562	2.7573996	21	—	—
395974 2013 BT_{20}	17.3	X	274.72535	236.64571	61.40575	6.74585	0.1199640	0.26435557	2.4044204	21	3 15.1	20.7
395975 2013 BB_{21}	16.3	X	210.39587	33.88487	86.19759	6.77920	0.1065459	0.18441321	3.0568541	21	8 29.2	21.0
395976 2013 BC_{21}	17.1	X	215.95030	228.14762	55.61777	5.82909	0.0430361	0.23969119	2.5666580	21	—	—
395977 2013 BU_{22}	15.9	X	179.77567	142.09945	109.28421	11.01263	0.1496592	0.21304743	2.7764201	21	—	—
395978 2013 BL_{24}	16.1	X	116.74222	145.52367	131.57505	11.82507	0.0948461	0.20381618	2.8596329	21	12 4.3	20.6
395979 2013 BR_{24}	16.9	X	50.85030	202.22046	243.74597	5.91837	0.0717273	0.24080338	2.5587489	21	—	—
395980 2013 BY_{24}	17.3	X	67.35023	285.50600	161.50384	4.04080	0.0550211	0.24458666	2.5322945	21	1 15.3	20.4
395981 2013 BT_{25}	15.9	X	108.03252	271.54211	315.72800	3.84767	0.0840337	0.17907951	3.1172534	21	9 18.4	20.5
395982 2013 BY_{29}	17.4	X	47.17885	22.87519	356.18777	6.04204	0.0389051	0.21715448	2.7413018	21	—	—
395983 2013 BV_{30}	15.8	X	280.35740	299.84515	108.37729	16.75835	0.0388350	0.18436137	3.0574270	21	9 1.4	20.2
395984 2013 BV_{32}	17.4	X	36.92212	350.13999	42.80760	4.10866	0.1128931	0.22036606	2.7146025	21	—	—
395985 2013 BK_{33}	17.0	X	189.77620	28.86563	234.20953	2.26218	0.0637420	0.22104385	2.7090504	21	—	—
395986 2013 BR_{34}	16.2	X	348.98127	175.71453	140.36993	1.97179	0.0379504	0.17722421	3.1389713	21	8 1.8	20.4
395987 2013 BW_{34}	16.6	X	236.76676	114.58002	128.07438	5.93178	0.1113416	0.22978050	2.6399393	21	—	—
395988 2013 BC_{35}	15.7	X	161.23735	8.38336	122.32537	16.93756	0.1557804	0.17112820	3.2130809	21	7 21.7	20.9
395989 2013 BQ_{35}	17.1	X	34.06195	158.24817	281.09671	3.74398	0.0268280	0.23183143	2.6243465	21	—	—
395990 2013 BH_{36}	16.9	X	244.45823	285.14701	278.72114	3.84318	0.0450144	0.22130274	2.7069373	21	—	—
395991 2013 BY_{37}	15.5	X	167.10426	257.67414	282.58692	8.61213	0.0234014	0.19008275	2.9957639	21	9 21.4	20.0
395992 2013 BW_{39}	16.2	X	253.85158	290.18851	135.86891	9.84737	0.0571897	0.17915671	3.1163580	21	8 13.7	20.7
395993 2013 BR_{40}	16.4	X	143.06836	182.91578	129.62119	12.85710	0.0765433	0.22059371	2.7127346	21	—	—
395994 2013 BM_{41}	16.2	X	145.96792	62.92615	137.23628	5.77058	0.0569611	0.18381565	3.0634753	21	9 28.7	20.7
395995 2013 BA_{42}	16.0	X	249.15874	289.72868	130.96396	10.06230	0.1366055	0.17857448	3.1231280	21	7 21.3	20.7
395996 2013 BN_{42}	17.3	X	272.05674	181.31409	133.12233	5.71562	0.1185426	0.26432939	2.4045792	21	4 1.5	20.6
395997 2013 BE_{43}	16.4	X	191.90441	144.11846	109.26931	8.89353	0.1222648	0.21571218	2.7535075	21	—	—
395998 2013 BO_{46}	17.1	X	272.29292	134.39106	32.11566	6.41919	0.0021784	0.22118001	2.7079385	21	—	—
395999 2013 BO_{48}	17.4	X	138.34320	335.66114	62.43222	3.46896	0.1953224	0.25840492	2.4411934	21	3 7.1	20.9
396000 2013 BH_{55}	15.7	X	128.02034	21.10039	133.93963	11.00904	0.0664409	0.16312984	3.3172671	21	7 11.9	20.7