Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356001 2009 BO_{57}	17.1	X	56.60042	97.92239	95.35713	3.52859	0.1134511	0.26255279	2.4154142	21	6 2.9	19.7
356002 2009 BA_{62}	17.3	X	317.83782	282.29599	312.83194	3.20444	0.2056809	0.24496789	2.5296665	21	1 31.5	20.6
356003 2009 BM_{64}	17.0	X	140.92298	217.06179	116.63047	5.78891	0.0969485	0.23400636	2.6080602	21	—	—
356004 2009 BP_{70}	17.2	X	176.42357	296.89654	103.45187	6.37802	0.2453139	0.26342385	2.4100866	21	4 17.7	21.4
356005 2009 BK_{72}	16.5	X	156.88595	176.37279	152.50602	11.28159	0.1749899	0.23801182	2.5787171	21	—	—
356006 2009 BR_{75}	17.7	X	113.25559	137.33144	295.17905	1.79691	0.1615319	0.25392372	2.4698308	21	3 15.9	21.0
356007 2009 BH_{76}	17.4	X	87.85550	91.99307	49.62064	1.44549	0.1576953	0.25887472	2.4382391	21	5 15.3	20.4
356008 2009 BL_{79}	16.9	X	92.23107	183.12480	325.18102	6.12655	0.1439654	0.26278924	2.4139652	21	5 27.2	20.0
356009 2009 BD_{95}	16.5	X	345.97494	291.22081	328.20191	6.32171	0.0904556	0.26030628	2.4292915	21	4 30.9	19.3
356010 2009 BX_{101}	16.3	X	184.20815	198.09377	117.81558	13.28078	0.1999205	0.23505278	2.6003139	21	1 10.6	20.5
356011 2009 BZ_{103}	16.9	X	42.30396	166.49406	318.00832	13.06568	0.1076579	0.24407316	2.5358450	21	1 30.7	19.5
356012 2009 BQ_{107}	17.8	X	43.76262	36.09021	32.47835	2.90288	0.1875544	0.23522110	2.5990733	21	—	—
356013 2009 BC_{108}	17.5	X	356.81135	188.30950	357.94156	5.17355	0.0888946	0.24358973	2.5391990	21	2 11.1	20.4
356014 2009 BO_{110}	17.4	X	349.37025	150.11901	62.25727	2.79430	0.1293828	0.24625275	2.5208596	21	3 1.6	20.1
356015 2009 BF_{111}	16.6	X	358.12570	12.33830	131.74229	8.38408	0.1049210	0.23669545	2.5882692	21	—	—
356016 2009 BM_{111}	16.8	X	68.56906	13.22790	136.31969	5.92067	0.1201931	0.25768521	2.4457368	21	4 23.1	19.5
356017 2009 BS_{112}	16.8	X	268.53203	214.41539	31.11019	4.54539	0.2198236	0.22924734	2.6440308	21	—	—
356018 2009 BZ_{112}	17.6	X	353.97101	145.19075	52.16580	2.76435	0.2227182	0.24092700	2.5578735	21	2 3.4	20.2
356019 2009 BX_{116}	16.9	X	300.42897	141.31341	105.20456	6.68440	0.1890290	0.24330028	2.5412125	21	1 28.9	20.4
356020 2009 BY_{122}	17.0	X	31.27681	272.84271	148.85318	6.72464	0.1029639	0.22892086	2.6465441	21	—	—
356021 2009 BL_{134}	16.6	X	322.40701	181.52054	131.32011	8.25725	0.1297117	0.26955575	2.3733966	21	6 8.0	19.1
356022 2009 BS_{136}	17.3	X	316.33689	309.21090	333.36180	2.24023	0.2017580	0.25823787	2.4422461	21	3 31.4	20.2
356023 2009 BH_{140}	17.2	X	62.57699	118.10966	319.17482	7.19248	0.2533117	0.24391558	2.5369370	21	1 12.7	19.0
356024 2009 BG_{145}	17.1	X	127.88557	312.83473	122.70824	3.16593	0.2024391	0.25658101	2.4527486	21	4 13.9	20.7
356025 2009 BF_{147}	16.9	X	251.43577	285.95522	321.19140	10.32329	0.1527619	0.23082634	2.6319591	21	—	—
356026 2009 BE_{150}	18.1	X	2.70241	346.21210	186.11411	2.03633	0.1346702	0.24215690	2.5492053	21	1 25.2	21.0
356027 2009 BY_{150}	16.5	X	42.96298	30.45117	51.11561	6.81706	0.2924788	0.24030475	2.5622872	21	—	—
356028 2009 BK_{157}	16.6	X	85.46503	10.44916	340.35657	5.70254	0.0599435	0.22110314	2.7085661	21	—	—
356029 2009 BA_{158}	17.4	X	41.41347	112.58812	349.98506	3.78186	0.0148712	0.23581476	2.5947094	21	1 1.2	20.7
356030 2009 BF_{162}	16.5	X	17.70211	68.10488	99.69549	18.85614	0.1619245	0.24386183	2.5373098	21	2 18.3	19.3
356031 2009 BL_{163}	17.2	X	83.03580	318.17036	102.62194	5.39393	0.2484743	0.24501968	2.5293101	21	1 31.5	19.6
356032 2009 BO_{163}	17.7	X	52.20354	50.37897	49.40538	3.91096	0.1080365	0.24248118	2.5469321	21	1 13.6	20.4
356033 2009 BW_{165}	17.6	X	181.76632	79.19595	317.57039	6.24876	0.1207257	0.25776015	2.4452628	21	4 7.5	21.3
356034 2009 BE_{177}	16.9	X	98.37706	78.92291	333.81248	7.74819	0.0631078	0.23837216	2.5761177	21	1 19.1	20.1
356035 2009 BT_{182}	16.6	X	15.26694	326.06453	148.87767	11.93792	0.1329497	0.23368177	2.6104748	21	—	—
356036 2009 BV_{185}	16.6	X	29.72277	32.71808	63.07972	11.49993	0.1433623	0.23688169	2.5869124	21	—	—
356037 2009 BM_{186}	17.3	X	97.11777	132.22624	266.29576	1.77182	0.1927687	0.24267197	2.5455970	21	1 14.8	20.2
356038 2009 BY_{187}	17.6	X	31.75215	339.48541	167.40861	5.05037	0.1849913	0.24277997	2.5448419	21	2 9.9	19.8
356039 2009 BX_{188}	17.1	X	40.13980	352.87043	143.96246	14.39792	0.0151995	0.24567619	2.5248020	21	2 10.2	20.3
356040 2009 BP_{189}	17.3	X	98.34646	285.81935	222.39799	3.24681	0.1072996	0.26439920	2.4041559	21	5 31.3	20.3
356041 2009 CV_{14}	17.7	X	16.81542	38.75372	128.12455	3.31034	0.1402571	0.24405220	2.5359902	21	2 11.8	20.2
356042 2009 CR_{18}	16.6	X	38.53099	297.28182	238.20209	3.61862	0.0879164	0.25332855	2.4736977	21	4 1.8	19.3
356043 2009 CT_{29}	17.4	X	319.26108	76.99580	92.56354	2.35672	0.0775919	0.23302337	2.6153896	21	—	—
356044 2009 CZ_{38}	17.4	X	25.18675	283.52646	169.17722	4.21656	0.2491082	0.23539843	2.5977678	21	—	—
356045 2009 CS_{40}	16.8	X	79.85372	247.86248	308.63197	5.82583	0.0389962	0.26897589	2.3768064	21	7 2.4	19.7
356046 2009 CL_{47}	16.4	X	218.78762	253.41052	356.51805	12.57194	0.1580846	0.22383357	2.6864942	21	—	—
356047 2009 CW_{51}	16.9	X	81.10706	353.72350	139.93387	6.32744	0.0459699	0.25529121	2.4610030	21	4 9.2	19.9
356048 2009 CM_{57}	17.1	X	338.59976	151.69575	117.08986	3.33391	0.1790904	0.25584848	2.4574281	21	4 25.2	19.6
356049 2009 CY_{57}	17.3	X	20.91798	81.35110	136.75353	3.63443	0.1260129	0.25744453	2.4472609	21	5 7.4	19.5
356050 2009 CM_{62}	16.9	X	302.18828	168.79426	56.31820	4.62756	0.1587877	0.23302843	2.6153518	21	1 9.8	20.6
356051 2009 CW_{62}	17.3	X	27.21586	129.41601	55.22749	3.19866	0.1199743	0.25437940	2.4668803	21	3 29.6	19.6
356052 2009 DC_{5}	16.7	X	164.92087	140.04427	154.96877	3.78122	0.0586418	0.22559263	2.6725106	21	—	—
356053 2009 DQ_{5}	17.6	X	349.77076	4.87587	143.56523	2.62279	0.0821231	0.23673109	2.5880094	21	—	—
356054 2009 DS_{5}	17.2	X	314.39314	274.85412	329.69927	10.75774	0.2329878	0.24443424	2.5333471	21	2 5.8	20.5
356055 2009 DX_{9}	16.5	X	336.10696	160.37409	0.39972	11.83267	0.1253673	0.23330482	2.6132858	21	—	—
356056 2009 DE_{13}	17.6	X	67.57530	120.61699	338.95919	12.14204	0.2177212	0.24351537	2.5397159	21	2 22.3	19.9
356057 2009 DS_{25}	17.3	X	268.20552	267.22055	1.59402	4.63122	0.1737364	0.24040168	2.5615985	21	1 26.6	21.2
356058 2009 DK_{27}	16.5	X	8.16828	302.05637	152.33237	10.76695	0.0278293	0.22814570	2.6525354	21	—	—
356059 2009 DB_{34}	16.6	X	327.99564	146.72970	10.23191	12.43912	0.1134840	0.22831177	2.6512490	21	—	—
356060 2009 DD_{35}	16.4	X	91.38122	298.07714	33.12689	6.07862	0.0152678	0.21205321	2.7850916	21	—	—
356061 2009 DV_{38}	17.1	X	109.26619	226.93241	157.83460	2.79247	0.0269935	0.23268187	2.6179480	21	—	—
356062 2009 DV_{41}	16.9	X	357.07164	277.66454	192.99162	2.27997	0.0879666	0.22961300	2.6412229	21	—	—
356063 2009 DF_{50}	17.1	X	234.42462	236.18867	328.74573	2.67061	0.0517853	0.21721054	2.7408301	21	—	—
356064 2009 DS_{50}	16.7	X	8.55059	132.38579	356.62027	13.04149	0.0974217	0.23215833	2.6218824	21	—	—
356065 2009 DP_{51}	17.1	X	264.31929	294.68275	337.68631	14.42808	0.1143479	0.24188623	2.5511067	21	2 2.7	21.0
356066 2009 DJ_{61}	16.9	X	269.70136	198.36719	75.62176	5.01842	0.1783619	0.23767407	2.5811595	21	2 3.4	21.0
356067 2009 DH_{62}	17.5	X	49.96236	330.59326	72.15959	2.86746	0.0893638	0.22771232	2.6558999	21	—	—
356068 2009 DD_{64}	16.1	X	261.04927	238.20020	9.85125	12.93876	0.1645755	0.23064080	2.6333705	21	—	—
356069 2009 DE_{70}	16.4	X	198.75736	182.97442	161.41551	12.39549	0.2151465	0.24537655	2.5268570	21	2 23.8	20.8
356070 2009 DD_{75}	17.1	X	31.98117	340.17337	156.13031	8.07551	0.1123592	0.23991422	2.5650671	21	1 28.1	19.8
356071 2009 DO_{77}	16.9	X	13.47724	19.38203	154.35181	13.03913	0.0739478	0.24618224	2.5213409	21	2 19.1	19.7
356072 2009 DC_{78}	17.6	X	91.29086	324.13686	167.12324	1.88134	0.1289460	0.25716263	2.4490490	21	5 1.7	20.5
356073 2009 DZ_{81}	16.5	X	116.59584	207.46534	135.71385	5.13622	0.1126287	0.22049820	2.7135178	21	—	—
356074 2009 DD_{85}	17.4	X	210.15622	153.57493	105.98937	1.95124	0.0361655	0.22764194	2.6564473	21	—	—
356075 2009 DV_{92}	17.0	X	288.47877	72.07205	128.90051	5.28939	0.2474787	0.22730302	2.6590872	21	—	—
356076 2009 DD_{97}	16.6	X	185.98801	104.28383	151.50057	8.72624	0.1024340	0.21855152	2.7296072	21	—	—
356077 2009 DP_{97}	17.2	X	333.92883	175.40460	24.45084	4.69580	0.1743725	0.23906258	2.5711554	21	1 14.0	20.5
356078 2009 DM_{99}	16.8	X	72.71826	320.85797	137.50173	6.93962	0.0704817	0.24126806	2.5554624	21	2 10.5	19.8
356079 2009 DF_{100}	17.0	X	53.35226	30.81134	96.91245	4.47977	0.0949832	0.24313664	2.5423525	21	2 23.7	19.8
356080 2009 DE_{103}	16.5	X	12.98052	302.78110	146.05522	12.08003	0.2118591	0.22885405	2.6470592	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356081 2009 DV_{105}	16.8	X	249.01596	180.06860	356.55219	4.34364	0.0081720	0.21437843	2.7649163	21	—	—
356082 2009 DJ_{111}	16.4	X	347.79849	110.15817	85.57949	17.50766	0.0819913	0.24315258	2.5422415	21	2 15.1	19.8
356083 2009 DJ_{113}	17.0	X	356.31750	170.50246	3.83373	5.73856	0.0967108	0.23911902	2.5707507	21	1 25.6	20.1
356084 2009 DP_{117}	17.1	X	298.72143	260.86155	336.63836	10.99311	0.1548689	0.23868117	2.5738938	21	1 22.7	20.9
356085 2009 DK_{120}	16.5	X	320.37050	194.50098	348.93089	13.55222	0.1895253	0.23289105	2.6163802	21	—	—
356086 2009 DG_{128}	16.3	X	75.63918	71.68772	332.85034	11.92784	0.2016866	0.23476374	2.6024479	21	—	—
356087 2009 DY_{131}	16.9	X	295.75921	311.64458	329.67126	5.42598	0.1077323	0.25180442	2.4836696	21	3 16.6	20.3
356088 2009 DL_{133}	17.2	X	290.30380	50.97260	171.59425	7.47302	0.0994796	0.23294085	2.6160073	21	—	—
356089 2009 DQ_{134}	16.7	X	149.66287	248.90064	11.27259	3.30241	0.0391435	0.21117599	2.7927991	21	12 16.1	20.7
356090 2009 DM_{136}	17.1	X	73.46825	237.87372	223.65226	4.98477	0.1131888	0.24541405	2.5265997	21	2 17.5	20.0
356091 2009 DX_{137}	17.0	X	133.02465	22.86162	357.32800	8.92189	0.1445489	0.23631904	2.5910169	21	2 4.7	20.7
356092 2009 DS_{140}	17.7	X	327.62348	257.82956	257.68694	3.92972	0.2183842	0.23117041	2.6293469	21	—	—
356093 2009 DM_{142}	16.9	X	112.84766	302.08357	27.80493	6.91084	0.0794658	0.21515851	2.7582293	21	—	—
356094 2009 DQ_{142}	17.0	X	137.01572	327.82988	318.80917	2.74905	0.0687075	0.21346457	2.7728020	21	—	—
356095 2009 DU_{142}	16.5	X	138.85530	295.53381	352.06429	4.63972	0.1399113	0.21452740	2.7636362	21	—	—
356096 2009 EE_{4}	16.1	X	248.51765	203.42088	23.92742	13.61688	0.1482071	0.22491781	2.6778535	21	—	—
356097 2009 EO_{4}	16.3	X	255.94821	254.98252	352.96820	17.23687	0.0919526	0.23130918	2.6282951	21	—	—
356098 2009 EP_{16}	16.8	X	333.69603	177.02691	344.40050	13.22605	0.1260329	0.23287225	2.6165210	21	—	—
356099 2009 EZ_{25}	16.9	X	320.45066	2.85420	121.62628	5.94284	0.0725987	0.22060510	2.7126412	21	—	—
356100 2009 ED_{27}	17.0	X	28.86254	57.71699	358.29427	5.07085	0.1284319	0.22151336	2.7052211	21	—	—
356101 2009 ER_{27}	17.0	X	359.09583	275.14132	219.77282	22.32060	0.3343707	0.23531362	2.5983920	21	—	—
356102 2009 EK_{30}	16.8	X	95.38802	175.61275	205.24997	3.09821	0.0792749	0.22577245	2.6710914	21	—	—
356103 2009 EV_{30}	15.9	X	92.65160	142.63032	121.35403	14.59304	0.2022436	0.18784085	3.0195532	21	11 5.7	20.9
356104 2009 FC_{4}	17.1	X	21.44248	31.98959	135.97003	7.20012	0.1611816	0.24311629	2.5424944	21	2 22.2	19.4
356105 2009 FT_{7}	16.8	X	221.32668	172.08855	117.07511	4.52259	0.0566032	0.23189217	2.6238882	21	1 9.9	20.5
356106 2009 FW_{8}	16.7	X	152.05446	197.62792	65.64579	4.75494	0.0545855	0.21060770	2.7978207	21	12 22.3	20.7
356107 2009 FC_{11}	17.0	X	29.70594	353.16230	146.78627	15.52908	0.0493430	0.24199356	2.5503523	21	1 30.6	20.1
356108 2009 FU_{14}	16.3	X	181.04311	350.45802	340.89742	10.21954	0.1299932	0.23746968	2.5826404	21	1 23.9	20.3
356109 2009 FT_{17}	17.0	X	39.06943	321.09381	165.10906	7.16494	0.1290050	0.23986739	2.5654009	21	1 26.3	19.6
356110 2009 FS_{19}	17.0	X	15.69606	62.16929	183.17889	5.66559	0.0930341	0.25747902	2.4470423	21	6 6.9	19.6
356111 2009 FE_{20}	17.1	X	330.60740	112.37907	112.06813	4.71516	0.1311694	0.24165708	2.5527191	21	2 17.1	20.1
356112 2009 FY_{21}	16.5	X	336.94372	336.16667	175.44911	10.91842	0.0799562	0.22793302	2.6541852	21	—	—
356113 2009 FQ_{22}	16.5	X	271.66880	194.42840	37.95693	14.93860	0.2067525	0.22635713	2.6664898	21	—	—
356114 2009 FP_{23}	16.6	X	322.50383	8.87896	187.39900	9.52636	0.0982906	0.23352864	2.6116157	21	1 4.7	20.3
356115 2009 FO_{27}	17.4	X	11.39815	17.80772	167.78710	5.39256	0.0913310	0.24702332	2.5156144	21	3 2.9	20.1
356116 2009 FJ_{28}	16.6	X	340.01824	110.45423	14.55430	12.38415	0.1064460	0.22585355	2.6704520	21	—	—
356117 2009 FR_{28}	16.8	X	31.51980	21.52363	104.25734	5.83364	0.1727313	0.23821462	2.5772533	21	1 11.9	19.1
356118 2009 FL_{29}	16.6	X	115.07175	165.71765	136.55357	5.13214	0.0508887	0.21241337	2.7819425	21	12 29.3	20.7
356119 2009 FW_{30}	16.5	X	272.18323	269.24089	6.87005	12.38207	0.2619946	0.23440632	2.6050926	21	2 4.9	21.0
356120 2009 FX_{31}	16.7	X	346.14738	312.64197	180.86945	13.30371	0.2041328	0.22919693	2.6444185	21	—	—
356121 2009 FM_{32}	16.9	X	57.08580	13.79389	89.74767	5.83899	0.1844428	0.24216914	2.5491194	21	2 3.1	19.2
356122 2009 FS_{35}	17.4	X	68.15497	355.68211	90.60211	3.87897	0.1939555	0.23995738	2.5647594	21	2 1.7	19.8
356123 2009 FR_{37}	16.4	X	35.88696	248.40400	134.26550	6.02616	0.0593490	0.21196314	2.7858805	21	—	—
356124 2009 FD_{39}	16.3	X	253.24351	195.64366	48.28627	14.79602	0.2076510	0.22658996	2.6646629	21	—	—
356125 2009 FE_{42}	16.9	X	29.14745	342.91062	106.09146	5.22130	0.1436647	0.22816960	2.6523502	21	—	—
356126 2009 FR_{42}	16.5	X	190.44057	155.61633	93.87693	5.02473	0.0484593	0.21495709	2.7599521	21	—	—
356127 2009 FZ_{45}	16.3	X	325.54342	47.74630	138.68305	9.24815	0.0791273	0.23291266	2.6162184	21	—	—
356128 2009 FN_{46}	16.7	X	312.63567	41.93917	185.42445	14.40720	0.2529924	0.23405525	2.6076970	21	1 9.4	20.8
356129 2009 FM_{47}	16.6	X	190.30005	202.92582	89.30302	4.65053	0.1750098	0.21791411	2.7349275	21	—	—
356130 2009 FV_{47}	17.2	X	329.72273	190.34068	23.23602	5.32607	0.1770868	0.23793004	2.5793079	21	1 26.7	20.4
356131 2009 FM_{55}	16.8	X	50.71227	349.23619	92.05130	5.66722	0.1146370	0.23063050	2.6334489	21	—	—
356132 2009 FS_{55}	16.4	X	260.97026	226.65204	26.03168	13.62809	0.2235290	0.22667440	2.6640011	21	—	—
356133 2009 FE_{56}	16.3	X	232.12872	116.56095	134.49022	25.42528	0.2154935	0.22254950	2.6968180	21	—	—
356134 2009 FS_{58}	17.0	X	83.33756	324.20629	24.29730	1.88041	0.0675002	0.21497917	2.7597631	21	—	—
356135 2009 FL_{59}	16.8	X	190.91279	15.39550	221.57276	5.54124	0.0917508	0.20963456	2.8064725	21	12 29.2	21.1
356136 2009 FC_{60}	16.4	X	284.06177	174.31887	14.18433	6.17354	0.0750245	0.22361820	2.6882188	21	—	—
356137 2009 FQ_{60}	17.2	X	2.73679	272.43480	193.93945	12.29028	0.2265485	0.22792967	2.6542112	21	—	—
356138 2009 FX_{63}	16.8	X	3.05655	292.06486	182.18401	6.75904	0.2141222	0.22765403	2.6563532	21	—	—
356139 2009 FD_{66}	17.2	X	323.90932	32.33913	148.63797	4.95471	0.1971272	0.22880145	2.6474649	21	—	—
356140 2009 FF_{66}	17.1	X	264.13029	150.36078	118.43125	1.94457	0.1508995	0.23413333	2.6071172	21	1 24.2	21.2
356141 2009 FR_{69}	16.5	X	328.16233	25.55384	156.19689	8.25964	0.1327711	0.23110213	2.6298647	21	—	—
356142 2009 FX_{70}	16.1	X	80.45975	228.07767	60.77369	11.88504	0.0856261	0.19234586	2.9722191	21	11 6.5	20.4
356143 2009 FR_{72}	16.3	X	264.55386	118.49788	102.31333	13.95017	0.2133866	0.22302042	2.6930203	21	—	—
356144 2009 FK_{73}	17.0	X	22.57109	63.90375	61.26790	5.53025	0.1333014	0.23449845	2.6044103	21	—	—
356145 2009 FD_{75}	16.4	X	311.41602	311.56188	208.97235	3.63633	0.0264283	0.22214960	2.7000534	21	—	—
356146 2009 GV_{1}	16.7	X	8.50126	328.49719	131.70940	4.02923	0.1473214	0.22709304	2.6607261	21	—	—
356147 2009 GW_{3}	16.1	X	0.34993	287.44039	58.45932	10.71461	0.0158629	0.18588423	3.0407055	21	9 30.6	20.4
356148 2009 GT_{5}	16.9	X	12.42197	14.54765	54.54443	4.95824	0.0485994	0.21514389	2.7583542	21	—	—
356149 2009 HA_{3}	16.3	X	311.30849	194.09979	28.07062	14.29129	0.1203558	0.23446427	2.6046634	21	1 26.1	20.1
356150 2009 HH_{4}	16.2	X	16.33515	8.87423	39.51056	14.78746	0.0601146	0.21354938	2.7720678	21	—	—
356151 2009 HW_{4}	16.6	X	256.37963	118.69799	49.93136	5.98248	0.0057794	0.21254832	2.7807648	21	—	—
356152 2009 HO_{11}	15.6	X	56.10506	61.61169	193.17506	16.34749	0.1933343	0.18044634	3.1014920	21	9 4.2	19.9
356153 2009 HD_{12}	17.2	X	84.45979	251.12262	113.09323	7.03097	0.0363998	0.21966956	2.7203375	21	—	—
356154 2009 HO_{12}	17.2	X	40.25369	330.95702	132.98342	3.19061	0.1754757	0.23588400	2.5942016	21	—	—
356155 2009 HZ_{12}	16.5	X	324.86013	97.14503	24.17230	17.16395	0.1113781	0.22000750	2.7175512	21	—	—
356156 2009 HV_{13}	16.1	X	278.84197	83.61516	94.85492	13.03472	0.0709264	0.21835896	2.7312117	21	—	—
356157 2009 HU_{20}	16.2	X	307.79128	85.85330	136.49073	14.64338	0.2185453	0.23246039	2.6196106	21	1 4.7	20.2
356158 2009 HA_{29}	17.1	X	38.10400	342.51133	72.56425	3.37054	0.0649499	0.22029038	2.7152242	21	—	—
356159 2009 HC_{29}	17.5	X	359.94208	320.36047	161.85859	3.57006	0.1028912	0.22787199	2.6546590	21	—	—
356160 2009 HH_{30}	16.4	X	55.31580	254.90739	187.50127	21.77136	0.0572789	0.22975543	2.6401313	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356161 2009 HE_{35}	16.7	X	11.27396	93.43599	311.86608	3.59455	0.1086394	0.20884673	2.8135260	21	—	—
356162 2009 HU_{36}	16.7	X	273.46500	45.52036	192.03225	5.20152	0.1818453	0.22689646	2.6622627	21	—	—
356163 2009 HH_{37}	15.9	X	215.28285	219.90109	37.55064	14.01861	0.1343081	0.21703695	2.7422913	21	—	—
356164 2009 HL_{42}	16.3	X	325.15680	61.09702	57.29229	14.83418	0.0506190	0.21413274	2.7670308	21	—	—
356165 2009 HU_{45}	16.3	X	345.71711	289.54691	202.27537	13.59618	0.1094724	0.22413279	2.6841026	21	—	—
356166 2009 HN_{47}	16.8	X	4.89037	51.01226	41.00798	13.65770	0.2337822	0.22601569	2.6691747	21	—	—
356167 2009 HO_{48}	15.9	X	308.06917	211.46701	136.68834	10.42193	0.1014956	0.17655855	3.1468560	21	7 9.2	20.1
356168 2009 HR_{56}	16.4	X	63.58792	251.12564	173.06272	15.18683	0.0385512	0.22753762	2.6572591	21	—	—
356169 2009 HT_{59}	16.3	X	263.46791	113.82984	116.57801	11.77220	0.1879391	0.22377986	2.6869240	21	—	—
356170 2009 HH_{70}	16.5	X	91.94123	81.28016	199.64539	1.48303	0.0700862	0.19512010	2.9439790	21	11 6.8	20.7
356171 2009 HS_{73}	16.3	X	273.77651	116.15563	135.19855	14.02724	0.2430495	0.22898504	2.6460496	21	1 5.9	20.9
356172 2009 HC_{74}	16.4	X	254.90254	105.66850	117.88906	14.05726	0.1405578	0.22054648	2.7131218	21	—	—
356173 2009 HQ_{74}	16.5	X	312.83198	64.50724	145.66913	13.52830	0.2160197	0.23199234	2.6231328	21	—	—
356174 2009 HH_{75}	16.3	X	299.00524	54.79026	92.03050	5.14559	0.0755215	0.21628221	2.7486673	21	—	—
356175 2009 HK_{76}	16.8	X	200.02278	220.78900	50.58873	9.65375	0.0831843	0.21902669	2.7256580	21	—	—
356176 2009 HH_{83}	16.7	X	186.44487	77.47501	170.07617	13.36599	0.0664977	0.20894018	2.8126870	21	—	—
356177 2009 HF_{84}	16.5	X	220.95921	97.13155	159.57883	9.59830	0.1337949	0.21832517	2.7314935	21	—	—
356178 2009 HR_{85}	17.2	X	303.10065	45.65382	134.97172	4.74153	0.2002591	0.22503892	2.6768927	21	—	—
356179 2009 HS_{95}	16.3	X	229.85784	89.80625	148.58166	10.41614	0.1118137	0.21427387	2.7658157	21	—	—
356180 2009 HM_{96}	16.8	X	170.84641	162.08818	88.15220	6.44375	0.0981613	0.20479070	2.8505537	21	12 23.7	21.0
356181 2009 HS_{96}	16.9	X	253.07686	125.93936	106.78296	5.87189	0.0328519	0.22037470	2.7145315	21	—	—
356182 2009 HC_{100}	16.2	X	321.92054	293.27438	78.03934	10.11535	0.0441468	0.18459187	3.0548813	21	9 10.4	20.4
356183 2009 HU_{101}	16.3	X	55.83971	141.30440	152.94187	11.12731	0.1026134	0.18725245	3.0258755	21	10 17.6	20.5
356184 2009 HO_{105}	16.4	X	102.60423	232.85400	75.44726	3.03186	0.1151913	0.20049184	2.8911564	21	12 25.7	20.8
356185 2009 JE_{8}	16.3	X	152.85132	94.77815	94.05827	9.72093	0.0725312	0.18899949	3.0071999	21	9 26.3	21.0
356186 2009 JX_{9}	16.5	X	343.53677	58.68915	81.98405	13.29764	0.1349807	0.22561317	2.6723484	21	—	—
356187 2009 JE_{12}	16.5	X	280.51653	353.90963	204.32253	12.87215	0.1845689	0.21992208	2.7182547	21	—	—
356188 2009 JF_{17}	16.6	X	241.28395	343.66159	273.71424	6.27804	0.2551571	0.21949893	2.7217471	21	—	—
356189 2009 KE_{7}	15.8	X	94.27034	195.53619	67.09099	21.09100	0.1563412	0.18830648	3.0145734	21	11 2.2	20.6
356190 2009 KV_{12}	16.2	X	13.62456	131.60749	214.84294	8.03398	0.1074055	0.18816506	3.0160837	21	10 21.4	20.0
356191 2009 KO_{22}	16.4	X	216.19729	357.89476	217.43482	12.12699	0.1727655	0.20990176	2.8040903	21	12 21.1	20.9
356192 2009 KE_{36}	15.4	X	58.01490	172.90331	90.89758	13.83990	0.1341902	0.17911992	3.1167846	21	9 19.5	19.9
356193 2009 LG_{2}	15.6	X	307.58544	170.49312	180.13226	17.30953	0.0398297	0.17251965	3.1957810	21	7 17.6	20.3
356194 2009 LA_{5}	16.2	X	33.07032	206.55146	114.89538	11.59081	0.0293630	0.18781403	3.0198407	21	10 14.2	20.5
356195 2009 MD_{10}	15.6	X	116.61280	294.10172	312.47812	16.51603	0.2227463	0.17969021	3.1101866	21	10 24.7	21.1
356196 2009 OX	15.7	X	55.84691	166.19331	135.70650	9.74126	0.2307972	0.17463615	3.1699077	21	11 12.3	20.3
356197 2009 OB_{1}	15.6	X	98.04633	146.23335	128.82707	20.41559	0.2584101	0.18411670	3.0601350	21	11 27.2	21.1
356198 2009 OJ_{6}	15.3	X	35.23085	154.50910	146.92181	19.33637	0.1293621	0.17168244	3.2061620	21	10 1.1	19.6
356199 2009 OO_{24}	15.8	X	69.10127	146.51850	146.91280	11.05016	0.2214880	0.17835430	3.1256978	21	11 15.9	20.6
356200 2009 OO_{25}	15.1	X	36.17660	166.83686	138.18851	14.75141	0.1172195	0.17204219	3.2016910	21	10 6.0	19.5
356201 2009 PF_{11}	16.5	X	107.33800	124.65733	160.91978	9.05920	0.2154429	0.18465891	3.0541419	21	12 9.2	21.7
356202 2009 PH_{15}	15.5	X	71.64953	110.26233	159.46500	20.51196	0.1242576	0.17026830	3.2238897	21	10 7.9	20.2
356203 2009 QX_{32}	15.2	X	51.02530	128.04601	170.18741	26.76524	0.2437796	0.17302485	3.1895572	21	11 4.5	20.0
356204 2009 QJ_{52}	15.5	X	98.24037	344.35617	283.60264	11.48969	0.1887509	0.17800691	3.1297632	21	11 4.3	20.6
356205 2009 QF_{65}	13.4	X	337.42807	303.96267	110.97775	20.67255	0.0955020	0.08414101	5.1577969	21	11 10.3	20.1
356206 2009 RN_{13}	13.6	X	275.63620	80.04257	21.85383	16.25075	0.0769511	0.08187522	5.2525202	21	10 11.0	20.5
356207 2009 RT_{20}	13.8	X	311.90427	53.77832	18.14557	7.93285	0.1434306	0.08371528	5.1752684	21	10 13.5	20.0
356208 2009 RK_{25}	13.0	X	342.72627	266.32489	128.33198	20.19738	0.0929531	0.08327564	5.1934674	21	10 25.3	19.7
356209 2009 RS_{31}	13.5	X	306.57265	74.37512	4.28960	9.39505	0.0927854	0.08302556	5.2038910	21	10 17.6	20.1
356210 2009 RY_{31}	13.7	X	321.74835	65.54113	357.60541	11.77871	0.0492419	0.08541849	5.1062429	21	10 21.7	20.4
356211 2009 RB_{63}	14.0	X	336.93649	198.98023	193.39503	7.06279	0.0707069	0.08177125	5.2569713	21	10 8.2	20.6
356212 2009 RP_{64}	13.9	X	307.91357	234.31713	197.88730	3.31984	0.0604499	0.08118047	5.2824453	21	10 17.1	20.6
356213 2009 RX_{64}	14.2	X	292.80392	80.89556	16.03459	6.35575	0.1085562	0.08199419	5.2474383	21	10 20.1	20.9
356214 2009 RN_{73}	13.4	X	183.19387	172.20475	26.24445	20.72969	0.0127139	0.08314183	5.1990379	21	10 23.1	20.2
356215 2009 SX_{40}	13.9	X	260.73751	275.73499	209.87967	6.14932	0.0533653	0.08160956	5.2639128	21	10 22.7	20.9
356216 2009 SH_{69}	14.1	X	338.65774	289.33180	121.44693	5.36562	0.0953821	0.08265157	5.2195772	21	11 1.2	20.6
356217 Clymene	13.3	X	341.66222	55.08605	339.01592	18.02030	0.0900446	0.08129917	5.2773023	21	10 8.2	20.0
356218 2009 SZ_{117}	14.4	X	302.61450	206.76676	232.67322	5.07941	0.1424055	0.08203369	5.2457535	21	10 8.2	21.0
356219 2009 SJ_{121}	14.2	X	327.60677	110.69649	299.60136	1.95086	0.0985197	0.08325540	5.1943088	21	10 13.8	20.6
356220 2009 SM_{123}	13.9	X	286.40826	164.82064	291.76387	5.43489	0.0500522	0.08341964	5.1874887	21	10 17.7	20.7
356221 2009 SF_{178}	14.1	X	320.97698	354.17955	73.68521	3.68704	0.0707620	0.08463821	5.1375777	21	10 28.8	20.6
356222 2009 SF_{194}	14.0	X	258.83476	257.01730	217.45436	6.44034	0.0637279	0.08206536	5.2444041	21	10 6.1	20.9
356223 2009 SH_{197}	13.6	X	269.78680	252.03225	231.20134	9.35572	0.1465071	0.08291137	5.2086679	21	10 16.9	20.5
356224 2009 SW_{199}	14.2	X	313.90134	178.21648	259.27816	4.31413	0.1184245	0.08386797	5.1689853	21	10 23.9	20.6
356225 2009 SY_{208}	14.0	X	328.96274	52.45825	9.61847	6.41712	0.1161197	0.08389667	5.1678062	21	10 27.4	20.3
356226 2009 SF_{246}	13.7	X	322.80959	17.02222	43.65789	7.73885	0.0938610	0.08379598	5.1719452	21	10 21.4	20.2
356227 2009 SE_{248}	14.1	X	343.31061	346.84004	52.75540	7.12763	0.1036918	0.08338509	5.1889216	21	10 25.2	20.4
356228 2009 SJ_{248}	14.1	X	180.42829	176.97146	26.02639	14.63960	0.0156458	0.08309044	5.2011813	21	10 25.1	21.0
356229 2009 SW_{273}	14.5	X	302.71160	59.42951	17.29832	10.81402	0.1060556	0.08286376	5.2106629	21	10 10.9	21.1
356230 2009 SK_{277}	15.6	X	125.69811	74.78349	187.21181	25.98021	0.1765232	0.17559489	3.1583588	21	11 24.8	21.2
356231 2009 SS_{293}	13.7	X	324.65794	94.40211	312.95957	7.51730	0.0622366	0.08277788	5.2142662	21	10 6.5	20.4
356232 2009 SZ_{297}	13.8	X	319.89397	332.83755	92.35576	5.13523	0.0435581	0.08482326	5.1301027	21	10 27.4	20.4
356233 2009 SG_{299}	13.3	X	331.87259	90.26534	324.94202	10.34280	0.0437130	0.08502635	5.1219305	21	10 24.4	20.0
356234 2009 SA_{300}	14.4	X	311.28745	319.09604	131.58284	6.11130	0.1203589	0.08356381	5.1815204	21	11 7.2	20.9
356235 2009 SJ_{317}	14.4	X	343.65727	276.17283	134.33374	2.07341	0.0311300	0.08423233	5.1540685	21	11 7.5	21.1
356236 2009 ST_{323}	13.6	X	353.06142	162.42355	232.80815	7.58654	0.0925729	0.08228478	5.2350765	21	10 31.7	20.1
356237 2009 SA_{328}	13.7	X	302.94129	240.10571	218.48135	8.21126	0.0419133	0.08529252	5.1112692	21	11 11.8	20.4
356238 2009 SY_{353}	13.5	X	72.99990	266.79025	54.20402	17.88191	0.0936700	0.08515174	5.1169012	21	11 18.5	20.3
356239 2009 SA_{354}	14.2	X	295.19426	50.51005	49.38776	4.38196	0.0700623	0.08348814	5.1846509	21	10 31.9	20.9
356240 2009 SB_{354}	13.9	X	284.36942	8.48042	88.46959	8.67448	0.0951194	0.08108478	5.2866006	21	10 16.1	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356241 2009 SS_{354}	13.5	X	327.30308	3.43040	57.31947	9.62532	0.0876030	0.08381835	5.1710250	21	10 28.6	20.0
356242 2009 SU_{354}	14.2	X	267.68150	323.49347	161.64292	5.83077	0.0609235	0.08403806	5.1620082	21	10 30.7	21.1
356243 2009 SE_{355}	13.8	X	307.91045	51.70169	21.65088	15.23810	0.1710529	0.08285282	5.2111213	21	10 7.8	20.1
356244 2009 SL_{357}	14.0	X	292.85769	40.13808	59.85252	7.09654	0.0900040	0.08298987	5.2053825	21	10 27.9	20.7
356245 2009 TR_{15}	13.3	X	332.81491	306.15189	106.28558	9.91987	0.0481379	0.08228396	5.2351113	21	10 30.2	20.1
356246 2009 TE_{25}	17.8	X	304.58026	87.84063	211.23175	20.55171	0.0853483	0.38808744	1.8614426	21	4 9.3	19.4
356247 2009 UP_{7}	14.4	X	328.85215	354.07165	60.67767	7.82690	0.0483552	0.08450143	5.1431202	21	10 26.2	21.0
356248 2009 UO_{12}	14.3	X	276.82590	239.11055	216.11496	6.55406	0.0835370	0.08427500	5.1523283	21	10 2.3	21.2
356249 2009 UT_{48}	14.2	X	340.59312	29.28184	27.25257	5.70994	0.0798411	0.08484636	5.1291717	21	11 8.1	20.7
356250 2009 UB_{49}	14.2	X	240.03336	83.42783	68.03314	2.59022	0.0588977	0.08273949	5.2158788	21	10 28.9	21.2
356251 2009 UZ_{50}	14.3	X	322.68092	220.39313	195.70231	3.41659	0.0526580	0.08065292	5.3054552	21	10 17.8	21.0
356252 2009 UT_{53}	13.7	X	295.72833	86.94835	352.70165	17.92434	0.1205108	0.08371989	5.1750788	21	9 30.3	20.4
356253 2009 UK_{77}	14.5	X	6.60901	26.15845	4.93487	5.83685	0.0316967	0.08494053	5.1253802	21	11 10.9	21.3
356254 2009 US_{78}	13.9	X	351.71678	188.61996	218.62435	5.33816	0.0299132	0.08515084	5.1169374	21	11 13.0	20.4
356255 2009 UP_{120}	14.1	X	297.75870	278.27770	165.78169	2.41670	0.0472150	0.08251356	5.2253953	21	10 20.2	20.9
356256 2009 UK_{130}	17.8	X	146.51499	337.77457	65.11033	23.43448	0.0931347	0.37200198	1.9147227	21	3 5.4	20.5
356257 2009 UL_{140}	13.5	X	60.13215	277.52291	72.85881	8.48080	0.0457884	0.08370072	5.1758686	21	11 30.5	20.4
356258 2009 UN_{147}	14.3	X	324.28593	353.50130	78.52708	5.81781	0.1070106	0.08451243	5.1426737	21	11 4.5	20.6
356259 2009 UV_{148}	13.8	X	285.32654	51.16301	60.95211	8.46103	0.0700170	0.08496485	5.1244021	21	11 3.9	20.4
356260 2009 US_{153}	17.1	X	158.09543	272.29204	143.51974	22.50345	0.1246781	0.37659952	1.8991075	21	4 5.1	19.7
356261 2009 VB_{3}	12.6	X	321.97883	39.36780	17.49412	22.67844	0.0565680	0.08000009	5.3342790	21	10 15.6	19.3
356262 2009 VL_{15}	14.2	X	347.83630	122.99064	289.64217	3.46105	0.0615702	0.08246821	5.2273108	21	11 12.8	20.8
356263 2009 VO_{21}	13.4	X	47.60849	256.58522	98.00161	6.13899	0.0429810	0.08072016	5.3025086	21	11 21.2	20.3
356264 2009 VE_{25}	13.1	X	7.06853	102.48795	272.78135	12.98966	0.0336357	0.08370321	5.1757661	21	10 22.4	20.0
356265 2009 VQ_{26}	13.9	X	317.88999	56.52706	15.81501	8.71205	0.0802250	0.08231947	5.2336057	21	10 26.5	20.5
356266 2009 VY_{45}	13.2	X	277.28902	90.39796	17.19370	10.86327	0.0633921	0.08138943	5.2733999	21	10 19.0	20.1
356267 2009 VS_{72}	17.7	X	103.26494	77.39510	63.33261	22.38700	0.1192915	0.38176103	1.8819510	21	5 22.6	19.2
356268 2009 WW_{2}	13.7	X	348.74257	338.67330	68.13063	6.95814	0.1234470	0.08308580	5.2013752	21	11 9.4	20.0
356269 2009 WR_{18}	15.1	X	266.67212	193.29370	100.35586	4.10767	0.1602585	0.12313363	4.0014580	21	3 12.1	21.0
356270 2009 WJ_{107}	13.8	X	316.33905	227.04366	216.37001	6.54867	0.0057810	0.08162798	5.2631210	21	11 12.9	20.6
356271 2009 WN_{113}	14.0	X	303.29357	241.18100	205.98603	7.18363	0.0920476	0.08357396	5.1811011	21	10 25.2	20.5
356272 2009 WJ_{135}	14.1	X	25.68548	109.99493	261.47162	2.79402	0.0579849	0.08200648	5.2469139	21	11 14.3	20.7
356273 2009 WL_{152}	13.8	X	321.90459	118.22172	323.36113	7.67745	0.0652182	0.08034918	5.3188174	21	11 10.3	20.7
356274 2009 YC_{7}	17.2	X	186.77302	283.67229	67.75827	22.90748	0.1020611	0.36533466	1.9379481	21	2 5.1	20.1
356275 2010 AU_{92}	13.1	X	346.80068	16.89916	18.43307	17.38317	0.0326814	0.08322499	5.1955743	21	10 22.5	19.9
356276 2010 AJ_{107}	13.5	X	342.27130	58.23438	357.81803	18.53975	0.1009747	0.08450986	5.1427780	21	11 3.2	20.0
356277 2010 BL_{5}	13.3	X	253.73767	350.55470	134.85170	16.04917	0.0601947	0.08064075	5.3059889	21	10 19.4	20.5
356278 2010 BG_{28}	16.6	X	180.09125	204.43060	107.38798	16.56120	0.2551795	0.23882526	2.5728584	21	1 5.2	21.1
356279 2010 BD_{41}	12.8	X	346.57661	242.55342	156.70071	17.37707	0.0277786	0.08098101	5.2911155	21	11 1.7	19.8
356280 2010 BK_{89}	13.7	X	344.34333	286.53989	122.59882	8.69244	0.1251751	0.08154653	5.2666248	21	11 7.4	20.1
356281 2010 CO_{107}	17.2	X	275.38859	184.66305	164.72667	5.84730	0.1164929	0.28277386	2.2988460	21	5 21.6	20.2
356282 2010 CB_{170}	18.0	X	78.97220	103.28295	166.75395	4.51574	0.1798950	0.30285504	2.1960700	21	11 6.9	21.0
356283 2010 CY_{217}	18.1	X	107.29679	12.61021	159.12159	5.60310	0.1506687	0.28030530	2.3123230	21	7 20.4	21.3
356284 2010 CH_{242}	14.0	X	291.45107	314.84400	160.90896	8.05103	0.0520245	0.08165273	5.2620571	21	11 17.3	20.9
356285 2010 DE	17.3	X	313.08122	277.21002	176.85901	24.00233	0.3959892	0.32071378	2.1137696	21	—	—
356286 2010 DO_{26}	17.0	X	164.80495	216.29258	94.79298	11.80771	0.1254780	0.23186610	2.6240849	21	—	—
356287 2010 DG_{43}	17.8	X	87.40543	286.21044	336.99943	4.50357	0.1047561	0.30167868	2.2017752	21	10 26.4	20.7
356288 2010 DP_{75}	18.1	X	117.24389	255.59540	353.33479	3.23229	0.1436257	0.30373771	2.1918134	21	11 13.2	21.2
356289 2010 EU_{37}	17.5	X	52.02167	102.43714	169.77288	5.69634	0.1515005	0.28901884	2.2656107	21	9 30.9	20.1
356290 2010 EL_{70}	17.4	X	26.25468	240.04537	22.09967	4.21444	0.2351801	0.27959173	2.3162557	21	8 15.0	19.1
356291 2010 ET_{98}	15.6	X	94.08150	216.25078	170.41255	13.49761	0.1925127	0.24437688	2.5337435	21	—	—
356292 2010 EJ_{123}	17.5	X	36.67955	79.38471	151.88185	8.09175	0.1490895	0.27629316	2.3346546	21	6 29.7	19.7
356293 2010 EH_{125}	17.0	X	29.95099	243.15810	0.20871	9.39006	0.1694472	0.28416290	2.2913484	21	7 11.3	19.1
356294 2010 EQ_{128}	18.0	X	254.21472	67.24948	3.32430	2.58052	0.1334449	0.29695376	2.2250691	21	8 15.8	20.5
356295 2010 EW_{137}	17.6	X	124.33555	220.20108	358.18647	7.13828	0.1221365	0.29707142	2.2244815	21	10 9.2	20.8
356296 2010 FQ_{13}	18.4	X	108.38741	94.79745	171.21753	3.47768	0.1589253	0.30380629	2.1914835	21	11 28.9	21.7
356297 2010 FY_{20}	17.7	X	46.27720	129.80586	145.24731	4.73991	0.1484616	0.29182827	2.2510465	21	9 27.1	20.0
356298 2010 FT_{47}	18.1	X	27.60512	86.24644	173.38362	4.40096	0.2032184	0.28121525	2.3073323	21	8 4.5	19.8
356299 2010 FN_{88}	17.2	X	45.64281	258.69090	353.04641	7.37389	0.1712860	0.28336097	2.2956695	21	8 25.1	19.4
356300 2010 GF_{27}	17.0	X	299.13572	197.53203	104.47138	7.50668	0.1287895	0.26633818	2.3924733	21	4 18.8	20.1
356301 2010 GH_{27}	16.9	X	316.79855	196.11454	111.63878	6.04339	0.1668703	0.27098406	2.3650494	21	5 15.4	19.5
356302 2010 GB_{28}	17.3	X	338.21361	146.12529	148.48684	7.13620	0.1107700	0.27343979	2.3508680	21	6 11.1	19.7
356303 2010 GL_{72}	16.3	X	229.93724	172.56914	123.40186	14.67105	0.2755209	0.23628527	2.5912637	21	1 22.8	21.0
356304 2010 GH_{100}	17.2	X	319.87119	205.08002	75.51100	4.66712	0.1678050	0.26589821	2.3951117	21	4 10.9	19.9
356305 2010 GS_{109}	18.0	X	52.76342	178.82799	101.26291	2.79189	0.1705434	0.29018374	2.2595433	21	10 17.2	20.6
356306 2010 GQ_{116}	16.9	X	117.70123	303.99309	206.40547	5.97136	0.0693382	0.27937069	2.3174773	21	6 23.1	20.0
356307 2010 GO_{124}	17.7	X	106.32409	163.76809	89.29572	5.54142	0.0978529	0.29761680	2.2217631	21	11 6.4	20.7
356308 2010 GW_{144}	18.4	X	53.38834	52.60782	198.22014	2.38823	0.1280219	0.28389961	2.2927649	21	8 25.9	20.8
356309 2010 GD_{158}	17.6	X	183.11484	72.67005	66.16335	5.57232	0.0422659	0.29334336	2.2432889	21	9 2.7	20.5
356310 2010 GD_{161}	17.8	X	69.05972	55.90016	159.41283	6.03926	0.1292032	0.28044865	2.3115350	21	7 28.1	20.4
356311 2010 GF_{161}	17.5	X	81.02656	165.74396	40.83057	3.47705	0.1510480	0.28105651	2.3082009	21	8 7.8	20.3
356312 2010 HY_{54}	15.7	X	317.81251	70.21321	305.17531	12.74202	0.1734476	0.18253129	3.0778291	21	8 18.7	19.3
356313 2010 HB_{73}	15.7	X	321.96276	222.13136	136.79541	29.28476	0.2314296	0.17923850	3.1154098	21	7 29.6	19.2
356314 2010 HR_{77}	18.0	X	209.35088	129.74687	6.26080	1.93170	0.0838780	0.29807048	2.2195081	21	9 26.0	20.7
356315 2010 HY_{78}	17.0	X	218.52191	175.99304	137.08200	9.63137	0.1696979	0.24463514	2.5319599	21	2 2.8	21.2
356316 2010 HV_{79}	17.8	X	22.10496	149.93024	89.96659	2.17096	0.1494148	0.27345083	2.3508047	21	6 12.7	19.7
356317 2010 HW_{103}	17.9	X	81.84102	91.76257	135.97585	8.18436	0.1136914	0.28366283	2.2940406	21	9 2.7	20.8
356318 2010 HT_{104}	17.5	X	150.28284	252.60205	335.80066	5.95389	0.2312518	0.30260329	2.1972878	21	11 16.3	21.2
356319 2010 HW_{105}	17.3	X	75.42891	206.33463	46.40130	8.89278	0.1491119	0.28893832	2.2660316	21	10 6.9	20.2
356320 2010 JK_{8}	16.0	X	23.64255	195.21735	144.45174	11.38671	0.0803894	0.19246890	2.9709522	21	10 29.8	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356321 2010 JZ_{37}	17.9	X	63.80455	146.82894	75.06121	5.65132	0.1695454	0.27899322	2.3195672	21	8 8.9	20.5
356322 2010 JD_{45}	17.0	X	116.24410	329.54945	100.39302	15.36506	0.0576381	0.25437837	2.4668870	21	3 8.2	20.5
356323 2010 JJ_{45}	16.9	X	120.37394	309.46662	85.75078	6.15628	0.1031989	0.24512370	2.5285944	21	1 30.3	20.1
356324 2010 JZ_{58}	16.4	X	164.89063	348.68681	272.59155	7.10716	0.1828181	0.21221260	2.7836969	21	12 28.9	21.1
356325 2010 JK_{64}	15.8	X	286.73073	224.70924	122.50619	14.52782	0.0660059	0.16952004	3.2333696	21	6 15.7	20.4
356326 2010 JG_{72}	17.9	X	71.83324	107.25401	106.43126	8.46361	0.0738382	0.27991745	2.3144585	21	7 21.7	20.5
356327 2010 JV_{73}	17.5	X	325.13776	214.22753	57.16254	3.30025	0.1522886	0.26439365	2.4041896	21	4 7.8	20.0
356328 2010 JL_{75}	17.0	X	337.38717	241.17543	42.33961	4.73225	0.0704007	0.27125394	2.3634804	21	5 26.2	19.4
356329 2010 JM_{75}	17.8	X	31.37609	146.62278	81.43954	3.73276	0.1135898	0.27456788	2.3444244	21	6 9.5	19.9
356330 2010 JU_{94}	17.3	X	257.94283	144.27191	144.37526	3.85665	0.1895577	0.23971488	2.5664889	21	2 7.6	21.3
356331 2010 JU_{99}	15.5	X	350.12034	10.24471	306.01748	15.76202	0.2194445	0.17750690	3.1356378	21	7 30.9	18.5
356332 2010 JV_{131}	16.5	X	195.02382	141.74171	160.63263	12.44783	0.1906470	0.22601334	2.6691932	21	1 4.2	21.1
356333 2010 JS_{147}	16.7	X	141.14129	192.10403	128.22194	4.12582	0.1080107	0.22965277	2.6409180	21	—	—
356334 2010 JV_{151}	17.8	X	126.42656	120.67977	119.32906	5.62000	0.1380327	0.29919808	2.2139281	21	11 13.0	21.1
356335 2010 JZ_{172}	18.0	X	1.84247	196.02231	68.81432	1.61796	0.1847248	0.27328362	2.3517635	21	6 7.1	19.4
356336 2010 KK_{38}	17.6	X	133.14010	322.99398	205.65512	9.91356	0.1173728	0.28352384	2.2947902	21	8 9.0	21.1
356337 2010 KA_{62}	17.1	X	6.57256	353.35161	253.60003	4.36013	0.1907148	0.26857752	2.3791561	21	5 18.5	18.6
356338 2010 KO_{77}	15.8	X	53.30724	65.96962	251.71791	9.07912	0.0982100	0.19149716	2.9809944	21	11 7.9	19.9
356339 2010 KT_{96}	16.0	X	252.41047	273.68217	354.65960	9.91194	0.0976249	0.23058316	2.6338093	21	1 18.9	20.0
356340 2010 KS_{102}	15.4	X	346.27834	171.21762	166.73476	28.72396	0.1507079	0.17857055	3.1231738	21	8 23.5	19.2
356341 2010 KL_{111}	15.8	X	249.85323	317.61066	282.81444	11.24396	0.1533879	0.22450933	2.6811007	21	—	—
356342 2010 KX_{117}	17.2	X	345.70782	176.30266	93.76976	7.53405	0.1793513	0.26679432	2.3897455	21	5 11.5	19.3
356343 2010 KP_{122}	16.3	X	336.11359	183.58371	88.03358	25.29705	0.1666516	0.27557552	2.3387060	21	5 6.4	19.2
356344 2010 KN_{125}	15.4	X	358.12374	167.62227	148.43529	22.98438	0.1525308	0.17653119	3.1471812	21	8 16.5	18.9
356345 2010 LU_{2}	15.6	X	331.64476	41.66196	327.77241	22.53189	0.2134754	0.17853070	3.1236385	21	8 31.8	19.0
356346 2010 LN_{4}	16.4	X	186.46627	160.22798	164.10536	14.16752	0.3024628	0.22545430	2.6736037	21	1 26.2	21.4
356347 2010 LF_{31}	15.5	X	202.16289	199.62617	273.77541	10.39942	0.0507504	0.17339182	3.1850553	21	8 8.9	20.3
356348 2010 LP_{34}	17.2	X	53.72585	110.82424	123.67631	7.15119	0.0835856	0.27726610	2.3291897	21	7 25.6	19.5
356349 2010 LG_{60}	16.3	X	285.73439	140.19651	246.48898	6.64187	0.0242422	0.17267195	3.1939015	21	8 5.8	20.8
356350 2010 LX_{61}	17.3	X	62.60731	50.45221	198.01843	6.37708	0.0684346	0.28252918	2.3001730	21	8 24.9	20.0
356351 2010 LO_{63}	17.2	X	121.79391	18.60207	129.93217	6.19792	0.1741999	0.27542782	2.3395420	21	7 8.1	20.5
356352 2010 LV_{68}	15.6	X	354.37379	173.15420	157.94139	22.67341	0.0483351	0.17704158	3.1411297	21	8 28.8	19.7
356353 2010 LJ_{88}	15.8	X	354.09544	283.43355	51.76740	4.42547	0.1187653	0.17742075	3.1366528	21	9 6.5	19.5
356354 2010 LV_{90}	15.6	X	312.98585	87.99854	282.37592	7.68869	0.1050432	0.17392143	3.1785861	21	8 12.3	19.8
356355 2010 LW_{101}	15.6	X	300.80422	22.88060	347.91121	16.68647	0.0404193	0.17182359	3.2044059	21	8 11.0	20.1
356356 2010 LZ_{102}	15.7	X	312.08455	232.61366	145.69712	5.37120	0.1366031	0.17460382	3.1702990	21	8 20.1	19.6
356357 2010 LO_{103}	15.5	X	331.79593	86.36935	269.44928	4.25613	0.1593375	0.17527231	3.1622329	21	8 19.6	19.2
356358 2010 LJ_{119}	16.1	X	346.15159	357.77636	358.44966	10.10442	0.0975774	0.17942491	3.1132516	21	9 19.3	19.9
356359 2010 LZ_{121}	15.4	X	73.54864	330.61077	307.41505	15.14077	0.0467267	0.18361732	3.0656809	21	9 29.1	20.0
356360 2010 LF_{125}	16.3	X	48.46999	150.05146	142.23622	4.65491	0.1879403	0.18373283	3.0643959	21	10 15.9	20.3
356361 2010 LO_{128}	15.5	X	321.55431	139.49520	237.00363	7.54212	0.0349767	0.17802497	3.1295515	21	9 7.6	19.9
356362 2010 LZ_{129}	15.9	X	97.03864	279.09342	352.90877	11.78915	0.1395338	0.19082602	2.9879798	21	11 3.7	20.6
356363 2010 ME_{18}	15.5	X	335.45394	11.03675	349.36628	15.51578	0.1267837	0.17673865	3.1447180	21	9 6.8	19.1
356364 2010 MD_{58}	15.5	X	186.27681	300.73736	188.16408	19.20940	0.1029611	0.16867361	3.2441776	21	8 8.5	20.8
356365 2010 MP_{63}	15.7	X	18.77439	12.75518	295.00359	8.10876	0.0756115	0.17509041	3.1644225	21	9 1.1	20.0
356366 2010 MB_{68}	16.0	X	311.23025	281.74360	329.73321	10.61208	0.1554330	0.23818197	2.5774888	21	2 21.5	19.4
356367 2010 MQ_{79}	15.8	X	80.00635	322.32363	322.71782	17.08609	0.1089150	0.18623900	3.0368426	21	10 24.1	20.6
356368 2010 MR_{84}	15.5	X	15.67533	328.65583	329.50529	22.97586	0.1168452	0.17243168	3.1968678	21	8 21.7	19.4
356369 2010 MU_{89}	15.4	X	13.20769	351.37547	4.55889	25.50569	0.2797957	0.18446090	3.0563272	21	11 12.8	19.2
356370 2010 MJ_{90}	15.2	X	73.36518	175.54850	13.96927	9.89139	0.0118465	0.15747080	3.3962738	21	6 10.1	20.1
356371 2010 MC_{99}	15.9	X	115.05548	71.08302	185.99202	15.43919	0.1088455	0.18819636	3.0157493	21	11 7.6	20.6
356372 2010 NR_{4}	17.2	X	325.71109	160.24437	120.37668	5.03422	0.1650294	0.25668532	2.4520841	21	4 22.5	19.9
356373 2010 NF_{5}	17.1	X	44.45607	149.97754	115.76606	8.44618	0.2516692	0.27551880	2.3390269	21	9 29.4	19.8
356374 2010 NR_{5}	15.7	X	335.78296	23.90596	318.31776	14.41483	0.0566230	0.18023222	3.1039479	21	8 15.9	19.6
356375 2010 NB_{32}	15.7	X	353.40790	318.42854	22.19565	9.06883	0.1924791	0.17550846	3.1593956	21	9 15.1	19.0
356376 2010 NW_{78}	15.5	X	88.99095	233.56972	4.02034	8.34500	0.0521923	0.17072803	3.2180997	21	9 7.5	20.0
356377 2010 NZ_{81}	15.8	X	18.67338	23.97118	284.19463	8.91721	0.2041491	0.18487329	3.0517803	21	9 14.7	19.3
356378 2010 NX_{113}	15.9	X	86.16614	129.02339	179.91355	12.53106	0.1229982	0.19107447	2.9853891	21	12 10.0	20.6
356379 2010 OW_{4}	16.9	X	214.27000	110.27108	164.77363	8.55296	0.2740409	0.21945381	2.7221202	21	—	—
356380 2010 OP_{19}	16.0	X	51.66142	318.92206	346.30441	13.50681	0.2464645	0.18368282	3.0649521	21	11 6.2	20.5
356381 2010 OL_{20}	15.7	X	70.64920	290.88057	351.87224	9.90818	0.0454579	0.17764045	3.1340660	21	10 6.6	20.1
356382 2010 ON_{28}	15.4	X	346.42297	163.38601	131.78488	9.87470	0.1484607	0.16199520	3.3327389	21	6 26.8	19.4
356383 2010 OY_{39}	15.8	X	10.75199	318.61106	18.65589	11.60538	0.1003816	0.17602804	3.1531755	21	10 4.1	19.6
356384 2010 OX_{40}	15.3	X	26.30859	331.41802	354.58396	27.50949	0.1434323	0.17820267	3.1274707	21	10 7.3	19.5
356385 2010 OJ_{49}	16.1	X	53.78944	282.06927	356.59333	2.03819	0.0499530	0.17115757	3.2127133	21	9 12.7	20.6
356386 2010 OK_{49}	16.2	X	37.48466	201.14373	106.78820	3.20976	0.2039191	0.17886667	3.1197259	21	10 21.7	20.2
356387 2010 OF_{100}	17.4	X	67.44939	67.81566	175.36493	6.52762	0.2562105	0.27578284	2.3375337	21	9 24.8	20.4
356388 2010 PX_{22}	15.3	X	316.53672	52.43005	255.86648	8.87317	0.0769587	0.15308428	3.4608463	21	6 3.7	20.0
356389 2010 PW_{33}	15.6	X	148.20447	197.81863	15.15996	15.08184	0.1269864	0.17517221	3.1634374	21	10 14.5	20.6
356390 2010 PB_{58}	16.4	X	181.26536	138.61070	133.20502	1.59300	0.1327716	0.21656386	2.7462837	21	—	—
356391 2010 PF_{59}	16.4	X	278.11429	320.21807	312.49129	8.67276	0.1046185	0.23923204	2.5699410	21	2 14.9	20.2
356392 2010 PX_{79}	16.0	X	337.94430	208.22522	159.06066	10.36628	0.0821613	0.18096579	3.0955541	21	9 22.5	19.9
356393 2010 PC_{81}	15.6	X	169.25289	309.73892	264.01722	7.71426	0.0337210	0.18814004	3.0163511	21	11 6.9	20.0
356394 2010 QD_{2}	17.5	X	317.17638	125.89152	120.66940	10.64467	0.7852137	0.34579152	2.0102951	21	—	—
356395 2010 RH_{12}	16.0	X	219.30916	298.97828	340.10999	14.58305	0.1623898	0.22441057	2.6818872	21	—	—
356396 2010 RM_{48}	15.8	X	106.50912	231.90378	6.33448	10.32603	0.0465870	0.17757191	3.1348725	21	9 27.6	20.3
356397 2010 RL_{78}	15.6	X	347.03372	21.89132	353.78691	8.89254	0.0558830	0.18380545	3.0635887	21	10 13.2	19.6
356398 2010 RO_{97}	15.7	X	47.35524	340.46274	331.28485	9.50670	0.0262215	0.18129547	3.0918001	21	10 9.4	20.1
356399 2010 RY_{99}	16.8	X	245.42570	301.31608	336.30217	4.36369	0.2083369	0.22785448	2.6547950	21	1 16.6	21.2
356400 2010 RU_{111}	16.4	X	80.26719	291.25651	23.07365	2.91672	0.1249788	0.19251455	2.9704826	21	12 9.4	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356401 2010 RR_{114}	16.2	X	136.38010	308.38097	317.23440	4.80641	0.1103167	0.19349161	2.9604743	21	12 6.3	20.9
356402 2010 RD_{128}	16.2	X	76.07232	331.86220	318.91451	8.38957	0.1263295	0.18657021	3.0332476	21	11 2.9	20.7
356403 2010 RW_{162}	16.6	X	167.79554	146.05749	171.16884	4.70014	0.1333561	0.22106992	2.7088375	21	—	—
356404 2010 RQ_{169}	16.5	X	172.86002	58.68372	151.11138	2.76591	0.0955639	0.19271592	2.9684130	21	11 7.2	21.1
356405 2010 RG_{180}	15.8	X	10.52230	323.60420	4.14019	9.67950	0.0887915	0.17422105	3.1749408	21	9 19.9	19.8
356406 2010 SG_{8}	16.6	X	172.20555	74.23110	208.76067	2.90270	0.1267924	0.21150615	2.7898919	21	—	—
356407 2010 SY_{17}	16.2	X	78.46652	290.19282	0.58428	9.39990	0.0192803	0.18474478	3.0531954	21	10 23.1	20.5
356408 2010 SC_{36}	15.8	X	13.01722	53.33646	259.29382	7.71611	0.1389196	0.17879707	3.1205355	21	9 3.4	19.6
356409 2010 TM_{2}	15.6	X	25.57162	263.17395	60.21950	7.13734	0.1924840	0.17758676	3.1346977	21	10 21.9	19.4
356410 2010 TQ_{49}	16.0	X	248.08725	284.07346	89.78149	3.53478	0.0176076	0.15272751	3.4662339	21	6 6.7	20.8
356411 2010 TK_{70}	16.4	X	66.59327	262.84200	0.56771	10.25678	0.0985314	0.17492883	3.1663709	21	9 17.9	20.7
356412 2010 TN_{98}	16.1	X	142.13762	190.07552	20.47733	7.62753	0.0729150	0.17982851	3.1085917	21	10 6.1	20.7
356413 2010 TD_{100}	16.4	X	94.25472	119.56621	146.57537	3.44297	0.1246541	0.18358761	3.0660116	21	10 28.1	21.0
356414 2010 TK_{108}	16.7	X	209.53362	221.74234	52.31142	2.93555	0.1491279	0.21536703	2.7564486	21	—	—
356415 2010 TJ_{158}	16.4	X	59.20218	141.88259	141.33382	2.81848	0.0350950	0.17553971	3.1590206	21	9 24.5	20.7
356416 2010 TM_{173}	16.2	X	73.65754	336.67650	293.99698	7.54014	0.1230399	0.18271552	3.0757598	21	10 5.2	20.7
356417 2010 UG_{31}	14.0	X	287.45951	146.74200	297.69418	2.88229	0.1184695	0.08177366	5.2568681	21	9 27.8	20.8
356418 2010 UT_{48}	14.1	X	264.03020	48.00693	77.62097	4.55694	0.1036543	0.08335799	5.1900464	21	10 21.8	21.0
356419 2010 UL_{76}	13.3	X	314.12699	155.33298	280.49964	8.98273	0.0910662	0.08261821	5.2209821	21	10 22.7	20.0
356420 2010 UU_{106}	15.8	X	269.01691	301.54497	291.48870	10.35936	0.1295397	0.22470438	2.6795489	21	—	—
356421 2010 VC_{13}	13.0	X	335.07425	350.50706	54.67914	15.69445	0.1181580	0.08334262	5.1906844	21	10 22.4	19.4
356422 2010 VO_{24}	14.0	X	307.88686	16.19618	64.01520	6.59928	0.1059591	0.08338539	5.1889094	21	10 23.3	20.5
356423 2010 VG_{61}	13.8	X	289.90119	64.73290	28.35220	4.59407	0.0857487	0.08126248	5.2788907	21	10 15.9	20.5
356424 2010 VP_{109}	14.0	X	273.64892	306.48092	166.54664	6.56184	0.0501563	0.08556398	5.1004527	21	10 25.6	20.7
356425 2010 VS_{119}	13.9	X	77.35983	136.31756	169.94073	2.54736	0.0529809	0.08364836	5.1780283	21	11 2.9	20.7
356426 2010 VB_{122}	14.3	X	339.28619	112.48154	284.48457	6.06389	0.0721026	0.08427645	5.1522692	21	10 13.9	20.8
356427 2010 VJ_{122}	13.8	X	298.64033	166.49624	272.80668	7.84111	0.0559677	0.08375050	5.1738175	21	10 11.3	20.7
356428 2010 VH_{153}	13.4	X	297.18581	191.69591	265.75104	10.64028	0.2054202	0.08295841	5.2066986	21	10 10.5	20.1
356429 2010 VB_{176}	13.6	X	311.35813	111.82500	318.49939	8.42288	0.1667005	0.08353222	5.1828267	21	10 4.7	20.0
356430 2010 VM_{178}	13.7	X	297.26269	33.54169	55.04446	5.80472	0.0306567	0.08426519	5.1527283	21	10 26.9	20.4
356431 2010 VN_{179}	13.8	X	291.11035	41.00229	58.65527	10.53314	0.0543953	0.08368280	5.1766077	21	10 30.4	20.6
356432 2010 VW_{192}	13.8	X	290.97886	174.76831	285.49790	7.37661	0.0707944	0.08182656	5.2546024	21	10 23.9	20.6
356433 2010 VW_{202}	13.8	X	269.58450	121.77891	348.78058	5.86226	0.1255339	0.08226919	5.2357381	21	10 5.5	20.7
356434 2010 VO_{204}	15.6	X	95.85834	43.42354	226.91008	10.42103	0.1025805	0.17830264	3.1263016	21	10 29.9	20.3
356435 2010 WP_{3}	14.5	X	305.48976	44.13795	30.07628	2.38223	0.2076384	0.08200104	5.2471458	21	9 29.8	20.9
356436 2010 WA_{5}	13.9	X	302.03181	77.70196	17.00942	4.49458	0.0530397	0.08437444	5.1482796	21	11 4.2	20.5
356437 2010 WK_{11}	14.2	X	304.00690	111.93456	324.40824	9.05910	0.0831572	0.08308047	5.2015975	21	10 10.8	21.0
356438 2010 WJ_{21}	14.0	X	341.08351	152.93797	244.56643	3.01495	0.0574957	0.08078376	5.2997251	21	10 18.6	20.7
356439 2010 WH_{46}	13.8	X	337.43501	161.19109	253.03688	6.21164	0.0425231	0.08287480	5.2102000	21	11 2.0	20.4
356440 2010 WV_{68}	13.8	X	36.31547	86.39274	284.61470	7.75558	0.0378720	0.08614156	5.0776281	21	11 24.6	20.5
356441 2010 XX_{7}	13.9	X	296.35643	297.14327	156.13748	8.50695	0.0819420	0.08154763	5.2665776	21	10 26.5	20.7
356442 2010 XR_{24}	13.3	X	288.73039	272.44238	194.09066	14.08029	0.1229650	0.08342979	5.1870682	21	10 25.9	19.9
356443 2010 XR_{32}	13.8	X	326.23689	126.15775	306.73285	9.13073	0.1105889	0.08467271	5.1361820	21	11 3.2	20.2
356444 2010 XK_{35}	13.5	X	323.05795	314.57068	107.22679	7.21598	0.0963850	0.08406213	5.1610229	21	10 24.8	20.0
356445 2010 XD_{45}	13.1	X	343.89164	317.82960	80.73915	20.28052	0.0855531	0.08395052	5.1655961	21	10 31.9	19.7
356446 2010 XD_{74}	13.0	X	295.81113	346.74082	94.42233	10.31606	0.0304391	0.08257914	5.2226287	21	10 20.5	19.9
356447 2010 XW_{75}	13.8	X	340.45538	319.26849	96.45120	6.22404	0.0853874	0.08267460	5.2186075	21	11 9.1	20.3
356448 2010 XU_{78}	13.8	X	5.36665	162.07102	219.50183	8.07554	0.0686904	0.08116509	5.2831124	21	11 1.3	20.5
356449 2010 XO_{79}	13.9	X	280.40616	4.98111	118.69579	8.45967	0.0583288	0.08357405	5.1810975	21	11 13.5	20.7
356450 2010 XF_{85}	13.2	X	290.95440	348.29378	114.99520	13.14976	0.1208013	0.08245768	5.2277558	21	10 29.4	20.0
356451 2011 GP_{27}	13.5	X	349.96018	89.59839	327.98078	4.56021	0.0983699	0.08419759	5.1554860	21	11 21.0	20.0
356452 2011 LK_{13}	16.5	X	9.56130	174.72056	178.02437	15.44810	0.1463737	0.20385383	2.8592807	21	11 2.7	20.0
356453 2011 LT_{26}	17.0	X	45.98255	75.60709	251.29587	6.47211	0.3193342	0.30564648	2.1826786	21	12 30.8	20.3
356454 2011 NM	17.4	X	323.90773	61.38043	257.81915	4.93016	0.2668767	0.28751005	2.2735300	21	5 24.1	19.4
356455 2011 OE_{4}	17.5	X	204.89716	124.16572	226.90639	1.37996	0.2309985	0.26176546	2.4202551	21	3 7.1	21.5
356456 2011 OT_{16}	16.1	X	221.68002	281.81031	161.41471	26.06501	0.2990692	0.17920857	3.1157567	21	7 10.4	22.0
356457 2011 OA_{17}	17.2	X	16.84294	123.29077	296.29329	13.21976	0.1778618	0.22330313	2.6907468	21	—	—
356458 2011 OL_{18}	16.7	X	174.77934	215.52942	156.96338	6.67817	0.1463356	0.25815841	2.4427472	21	3 5.6	20.5
356459 2011 PU_{13}	17.4	X	86.10475	255.10931	165.17351	12.94619	0.1517858	0.24088442	2.5581750	21	1 19.5	20.4
356460 2011 QC_{1}	17.4	X	167.87678	145.23629	250.46156	5.62102	0.0748367	0.26187213	2.4195979	21	3 18.9	20.8
356461 2011 QK_{2}	17.6	X	28.76456	4.73877	323.66398	5.60460	0.1354090	0.30514442	2.1850720	21	11 13.4	19.9
356462 2011 QY_{8}	17.8	X	237.45938	60.18646	329.07715	6.37732	0.1104033	0.27657701	2.3330569	21	5 28.2	21.1
356463 2011 QU_{22}	17.0	X	253.46241	347.65354	336.95597	6.84355	0.1111458	0.26336363	2.4104540	21	3 21.2	20.5
356464 2011 QF_{25}	16.8	X	53.73738	261.03867	165.31589	8.48481	0.1605348	0.23159246	2.6261515	21	—	—
356465 2011 QB_{34}	16.0	X	39.42795	12.68009	354.29518	10.24752	0.2580610	0.21178725	2.7874227	21	—	—
356466 2011 QG_{37}	17.7	X	30.91153	317.24758	352.47827	5.16622	0.1701800	0.30223336	2.1990805	21	10 25.9	19.9
356467 2011 QT_{38}	17.1	X	171.28130	344.89258	23.57326	3.94515	0.1706409	0.25481570	2.4640637	21	2 28.3	20.9
356468 2011 QM_{40}	17.0	X	68.70124	26.32020	322.56522	7.48857	0.1877546	0.21768931	2.7368100	21	—	—
356469 2011 QZ_{40}	17.2	X	341.31368	340.96561	350.33934	10.95151	0.2495382	0.29153330	2.2525647	21	8 15.0	18.2
356470 2011 QU_{46}	16.2	X	323.21491	115.73794	291.23859	15.28860	0.2728283	0.19878660	2.9076668	21	9 27.9	19.3
356471 2011 QU_{59}	17.4	X	240.84339	159.73528	174.85895	2.12930	0.2464900	0.26525101	2.3990061	21	3 14.9	21.5
356472 2011 QT_{61}	17.2	X	83.83275	297.10194	211.57875	6.22113	0.0802821	0.26635047	2.3923997	21	5 6.5	19.8
356473 2011 QO_{62}	17.4	X	135.87976	147.98048	338.62721	7.01490	0.0826581	0.27531174	2.3401996	21	6 14.5	20.7
356474 2011 QG_{63}	16.9	X	318.43887	293.63897	1.44981	9.86573	0.1352402	0.27480143	2.3430959	21	4 28.2	19.5
356475 2011 QE_{64}	17.6	X	148.67544	37.56875	330.13559	3.29391	0.0814744	0.24657463	2.5186653	21	1 25.8	21.1
356476 2011 QL_{67}	17.6	X	194.12599	182.04173	181.88837	2.17773	0.1574840	0.25969000	2.4331333	21	3 13.0	21.4
356477 2011 QZ_{67}	16.6	X	187.37514	100.95952	257.09272	5.15899	0.0618901	0.25569887	2.4583866	21	2 20.9	20.1
356478 2011 QT_{72}	17.8	X	50.82561	347.17105	310.89250	6.71064	0.2267478	0.30615111	2.1802794	21	11 15.6	20.7
356479 2011 QQ_{76}	17.8	X	191.76620	243.26814	162.50070	3.48572	0.0908443	0.26720275	2.3873097	21	5 2.9	21.2
356480 2011 QT_{91}	17.5	X	162.92947	228.13327	195.57121	9.16764	0.1301037	0.26346632	2.4098276	21	4 27.3	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356481 2011 QG_{96}	16.2	X	130.54484	338.85183	347.24903	12.27521	0.2537083	0.23047768	2.6346128	21	—	—
356482 2011 RT_{1}	17.1	X	43.29848	188.12332	196.74440	4.88950	0.1245539	0.22045495	2.7138727	21	—	—
356483 2011 RB_{2}	16.4	X	293.28609	192.10116	177.40468	5.65479	0.2437981	0.18465151	3.0542235	21	6 24.2	20.7
356484 2011 RL_{9}	17.0	X	218.15294	186.04630	169.70155	9.43047	0.2740201	0.26115352	2.4240345	21	3 23.8	21.3
356485 2011 RQ_{9}	17.2	X	175.88009	177.21759	201.71683	6.17284	0.1301074	0.25668338	2.4520964	21	3 12.1	20.9
356486 2011 RW_{11}	16.2	X	234.54788	242.60704	189.12491	15.23300	0.2049273	0.17814164	3.1281849	21	7 11.3	21.5
356487 2011 RJ_{16}	17.4	X	51.22915	26.89898	271.34697	7.17676	0.2317328	0.30536331	2.1840277	21	11 17.9	20.3
356488 2011 RQ_{18}	16.8	X	66.08192	143.39634	19.90488	6.80162	0.0506964	0.26417197	2.4055343	21	4 24.5	19.7
356489 2011 RS_{19}	16.7	X	280.90983	269.04255	66.13038	7.36907	0.0847002	0.27425344	2.3462160	21	5 13.5	19.6
356490 2011 RU_{19}	16.6	X	94.66125	199.92299	145.90809	15.42909	0.1888339	0.22220334	2.6996181	21	—	—
356491 2011 SB_{1}	17.4	X	166.73074	217.52693	193.95377	5.29459	0.0997635	0.26171410	2.4205718	21	4 12.6	20.9
356492 2011 SF_{1}	17.4	X	103.24889	299.78266	189.42906	6.17933	0.1058622	0.26580033	2.3956997	21	5 11.9	20.4
356493 2011 SY_{10}	16.7	X	27.55679	114.70378	305.97606	6.72046	0.2084204	0.21999002	2.7176951	21	—	—
356494 2011 SA_{13}	17.7	X	212.65185	167.97910	209.15344	4.48509	0.1161153	0.26517413	2.3994697	21	4 16.3	21.0
356495 2011 SE_{22}	16.6	X	264.50109	83.49249	289.39089	8.41143	0.2529318	0.17720281	3.1392241	21	5 25.0	21.7
356496 2011 SW_{23}	16.4	X	49.56961	348.67511	7.30278	14.21029	0.1970808	0.21208952	2.7847737	21	—	—
356497 2011 SL_{27}	17.3	X	327.43318	196.40823	133.05253	4.83995	0.2579146	0.28909721	2.2652012	21	6 21.7	18.9
356498 2011 SE_{28}	17.8	X	27.46114	161.91770	157.18543	5.62248	0.2143623	0.30392614	2.1909074	21	11 15.5	20.1
356499 2011 SV_{28}	16.0	X	43.99507	12.99681	359.36933	25.51068	0.1582224	0.21328876	2.7743254	21	—	—
356500 2011 SO_{31}	16.2	X	274.98031	44.80831	358.62323	10.92275	0.2442665	0.18396121	3.0618591	21	7 17.9	20.8
356501 2011 SE_{35}	17.5	X	272.45064	193.67654	178.88099	3.68011	0.1190220	0.27761442	2.3272410	21	6 18.3	20.4
356502 2011 SS_{36}	16.8	X	75.08564	264.29626	95.85036	3.00029	0.0967026	0.21800967	2.7341282	21	—	—
356503 2011 SH_{38}	16.6	X	339.19780	284.51652	81.01639	3.71159	0.0976356	0.19093251	2.9868687	21	9 23.7	20.2
356504 2011 SA_{39}	16.9	X	44.75640	307.62305	190.22553	16.90971	0.1207710	0.24569498	2.5246734	21	2 18.2	19.8
356505 2011 SZ_{39}	16.7	X	307.62696	191.99769	166.45781	1.56119	0.1590292	0.18172061	3.0869760	21	7 14.1	20.7
356506 2011 SP_{42}	17.8	X	80.19110	85.74997	354.79241	14.01524	0.1515854	0.24215331	2.5492305	21	2 12.9	20.7
356507 2011 SM_{48}	18.0	X	230.71784	118.68494	0.71135	6.97936	0.0265470	0.29880876	2.2158507	21	10 8.1	20.5
356508 2011 SA_{49}	16.6	X	299.02742	124.70118	352.07470	13.47805	0.1559823	0.21320010	2.7750945	21	12 10.8	20.0
356509 2011 SM_{51}	16.7	X	65.14734	141.46006	211.53825	4.64652	0.0689914	0.21471237	2.7620487	21	—	—
356510 2011 SO_{52}	17.0	X	49.23653	178.25353	188.01761	1.34278	0.0936597	0.21494353	2.7600681	21	—	—
356511 2011 SM_{56}	17.9	X	327.91403	122.86518	160.53209	6.28899	0.1063292	0.27103854	2.3647325	21	5 7.9	20.5
356512 2011 ST_{60}	17.0	X	322.02894	196.87798	107.59154	10.29771	0.1863906	0.27670176	2.3323556	21	5 17.3	19.4
356513 2011 SE_{68}	17.0	X	49.13579	192.19389	188.20762	3.40431	0.2039221	0.21782463	2.7356764	21	—	—
356514 2011 SC_{71}	16.9	X	356.45825	128.22671	290.46071	2.17791	0.0813661	0.21463235	2.7627352	21	12 31.3	20.4
356515 2011 SJ_{71}	17.3	X	303.86783	174.80613	173.85952	6.78484	0.1382609	0.28153425	2.3055890	21	6 27.2	19.8
356516 2011 ST_{83}	17.6	X	158.18892	110.51576	202.98751	3.57215	0.0836529	0.23072327	2.6327429	21	—	—
356517 2011 SX_{84}	16.5	X	323.69793	342.14119	194.26517	12.13178	0.0345151	0.23210180	2.6223080	21	—	—
356518 2011 SY_{84}	16.9	X	121.28949	292.15763	54.28319	7.02002	0.0373237	0.22443994	2.6816533	21	—	—
356519 2011 SC_{87}	17.4	X	241.51133	25.26932	344.12572	4.73731	0.1255547	0.26913443	2.3758729	21	5 4.4	21.0
356520 2011 SV_{87}	17.6	X	62.86829	34.96018	269.52916	2.82039	0.2438362	0.30745023	2.1741333	21	12 11.1	20.8
356521 2011 SV_{89}	16.9	X	91.78953	138.79715	220.71745	5.33365	0.0504868	0.22276396	2.6950869	21	—	—
356522 2011 SH_{90}	17.6	X	304.21126	321.76367	3.77782	7.48643	0.1281407	0.27523830	2.3406158	21	5 23.4	20.4
356523 2011 SQ_{90}	16.3	X	160.48181	351.79141	252.94756	2.74727	0.0478737	0.20912241	2.8110528	21	12 9.1	20.4
356524 2011 SK_{91}	16.5	X	20.18328	82.80673	319.69229	3.48550	0.0643940	0.21144431	2.7904359	21	—	—
356525 2011 SE_{92}	17.4	X	117.21520	30.13076	345.89965	2.01794	0.1236830	0.23247919	2.6194694	21	1 6.2	20.6
356526 2011 SR_{102}	16.8	X	205.90949	348.44079	11.89932	7.30602	0.1243010	0.25998935	2.4312653	21	3 20.4	20.4
356527 2011 SH_{104}	16.5	X	334.53986	168.36746	0.46512	13.73323	0.1758054	0.23061347	2.6335785	21	—	—
356528 2011 SZ_{104}	16.0	X	229.13770	184.56786	263.59882	6.55142	0.0630134	0.17930427	3.1146479	21	8 8.6	20.6
356529 2011 SA_{107}	15.9	X	259.06551	9.76296	20.87418	12.40539	0.2758079	0.17582710	3.1555774	21	6 7.1	21.1
356530 2011 SX_{111}	16.5	X	155.86874	8.43162	347.51417	14.62882	0.0568092	0.24174029	2.5521333	21	1 21.2	20.2
356531 2011 SJ_{112}	17.2	X	209.33745	355.89049	11.49071	5.71195	0.1989571	0.26002734	2.4310284	21	3 31.3	21.2
356532 2011 SD_{115}	17.3	X	212.68997	181.48818	189.04304	7.42569	0.1109151	0.26267220	2.4146822	21	4 8.7	20.7
356533 2011 SP_{125}	17.1	X	160.14538	218.84993	111.39476	2.25280	0.0844643	0.23575297	2.5951628	21	—	—
356534 2011 SR_{131}	17.5	X	354.58099	149.49398	159.35040	2.41195	0.1817795	0.28492031	2.2872858	21	8 6.9	18.8
356535 2011 SS_{132}	16.7	X	324.83620	68.81575	33.90453	4.25910	0.0624922	0.21424975	2.7660233	21	—	—
356536 2011 SH_{134}	16.5	X	163.07428	357.16270	322.37990	10.81670	0.2070706	0.23661878	2.5888283	21	—	—
356537 2011 SS_{134}	17.0	X	154.19318	118.16329	200.61000	1.43290	0.0697332	0.23133544	2.6280963	21	—	—
356538 2011 SZ_{147}	16.8	X	202.68509	77.17799	13.26429	4.41520	0.2284076	0.17372802	3.1809449	21	7 8.3	22.2
356539 2011 SM_{152}	17.2	X	336.60490	16.04695	30.59460	2.27465	0.0620098	0.20507207	2.8479457	21	11 12.8	20.6
356540 2011 SO_{158}	17.1	X	40.01956	184.15251	224.90917	4.15655	0.1114742	0.22062979	2.7124388	21	—	—
356541 2011 SL_{165}	16.9	X	9.45025	88.27906	9.74631	5.13686	0.0790252	0.22143797	2.7058351	21	—	—
356542 2011 SO_{165}	17.2	X	349.30200	4.56596	329.61054	6.40971	0.2347370	0.29380640	2.2409313	21	9 11.5	18.2
356543 2011 SZ_{166}	16.6	X	102.14315	19.29363	10.37498	11.89946	0.1714563	0.23080577	2.6321155	21	1 13.5	20.1
356544 2011 SV_{174}	17.0	X	103.92560	128.01012	28.34540	5.42745	0.1614106	0.26862036	2.3789032	21	6 27.1	20.2
356545 2011 SZ_{174}	16.4	X	254.01435	52.10969	15.37358	12.65800	0.1502153	0.18347075	3.0673135	21	8 8.3	21.1
356546 2011 SV_{176}	17.5	X	100.37702	73.88091	283.75042	5.13225	0.0799302	0.22554414	2.6728937	21	—	—
356547 2011 SM_{178}	16.7	X	50.24526	26.25920	320.23337	3.87611	0.1617953	0.20960304	2.8067539	21	12 23.1	20.5
356548 2011 ST_{178}	17.5	X	342.73355	30.84187	259.74210	2.05380	0.2330923	0.28069183	2.3101998	21	5 26.9	18.7
356549 2011 SC_{179}	16.8	X	80.90202	23.15486	355.62953	5.56552	0.0649183	0.22437655	2.6821583	21	—	—
356550 2011 ST_{182}	17.3	X	337.12183	292.23838	7.83181	6.17078	0.1474353	0.27740420	2.3284166	21	6 11.2	19.5
356551 2011 SB_{186}	17.2	X	37.44930	161.85816	224.18160	3.81718	0.0776755	0.21421023	2.7663635	21	—	—
356552 2011 SZ_{188}	17.1	X	70.23502	201.98134	343.79272	5.71929	0.0262020	0.26983896	2.3717356	21	5 29.2	20.0
356553 2011 SW_{189}	16.5	X	43.81851	334.45447	13.25450	5.63326	0.0971185	0.20901134	2.8120485	21	12 6.4	20.3
356554 2011 SP_{190}	17.3	X	47.27789	202.71823	275.34531	4.97029	0.0869568	0.24175410	2.5520362	21	1 28.1	20.1
356555 2011 SC_{194}	16.6	X	289.86543	120.81536	15.35696	12.02596	0.0868021	0.21511322	2.7586164	21	12 31.4	20.3
356556 2011 SE_{194}	17.0	X	98.97708	308.85569	54.11131	4.53262	0.1494317	0.22793823	2.6541447	21	—	—
356557 2011 SJ_{194}	15.7	X	293.20809	148.64038	233.76108	10.83940	0.1475613	0.18043659	3.1016037	21	7 22.9	20.1
356558 2011 SR_{201}	17.4	X	189.32569	251.21699	178.82533	6.32174	0.0834395	0.27274521	2.3548575	21	6 1.5	20.8
356559 2011 SE_{204}	16.8	X	57.80337	32.66501	318.57033	1.55672	0.0969751	0.21382262	2.7697057	21	12 29.8	20.7
356560 2011 SK_{204}	17.5	X	302.23883	159.69242	144.96074	2.55131	0.2065805	0.27352044	2.3504058	21	4 10.7	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356561 2011 SR_{204}	17.2	X	211.40008	193.66959	171.64252	6.44531	0.1305532	0.25931362	2.4354871	21	4 1.2	20.9
356562 2011 SA_{205}	17.0	X	130.32943	118.79638	43.34345	6.06894	0.0748147	0.27871775	2.3210953	21	7 29.4	20.1
356563 2011 SW_{206}	16.5	X	47.95328	143.85248	311.35678	11.88260	0.2319102	0.23809605	2.5781089	21	1 4.6	18.6
356564 2011 SX_{207}	17.6	X	141.36944	68.85051	313.06382	1.55221	0.1203254	0.24766203	2.5112875	21	2 8.5	21.0
356565 2011 SG_{208}	17.3	X	278.86059	68.60917	241.60623	3.48919	0.1691771	0.26936576	2.3745125	21	3 23.9	20.7
356566 2011 SR_{209}	17.4	X	48.29525	53.26858	6.38217	6.56142	0.1454110	0.22802656	2.6534593	21	—	—
356567 2011 SW_{218}	16.1	X	140.81363	226.92004	71.22916	13.93657	0.1600733	0.22441870	2.6818224	21	—	—
356568 2011 SC_{219}	17.1	X	211.21351	36.28467	348.49176	6.03372	0.1264756	0.26432935	2.4045794	21	4 22.5	20.8
356569 2011 SN_{223}	16.6	X	63.03024	215.67164	192.51573	12.41467	0.1640050	0.22694878	2.6618535	21	—	—
356570 2011 SK_{224}	16.8	X	346.81438	141.05853	15.16998	9.74601	0.1124303	0.22986967	2.6392565	21	—	—
356571 2011 SV_{233}	16.4	X	20.46794	199.35555	221.25420	9.42222	0.2104783	0.21616840	2.7496321	21	—	—
356572 2011 SE_{234}	16.7	X	134.34980	14.77611	317.89007	6.66751	0.1082339	0.23092910	2.6311783	21	—	—
356573 2011 SU_{244}	16.9	X	108.25201	74.11441	279.94020	10.57472	0.2024045	0.23016732	2.6369807	21	—	—
356574 2011 SJ_{245}	16.8	X	125.55577	37.63153	347.47587	8.88739	0.0465669	0.23852996	2.5749814	21	1 17.8	20.3
356575 2011 SL_{245}	15.9	X	342.78226	317.78631	28.42770	10.03813	0.1678037	0.18738754	3.0244210	21	9 4.3	19.3
356576 2011 SJ_{246}	15.9	X	236.68527	194.94712	226.31174	4.21079	0.2044752	0.17364302	3.1819828	21	7 2.3	21.1
356577 2011 SB_{248}	16.4	X	352.45449	83.47516	6.96636	3.04699	0.0753862	0.21859766	2.7292231	21	—	—
356578 2011 SY_{249}	16.9	X	56.20203	205.34202	201.89027	5.77056	0.0916166	0.22605742	2.6688462	21	—	—
356579 2011 SL_{251}	16.8	X	256.66501	254.20621	72.69846	7.07957	0.1255518	0.26762807	2.3847797	21	3 31.6	20.3
356580 2011 SO_{252}	17.0	X	39.51943	239.24010	161.34945	3.77525	0.0461952	0.22214273	2.7001091	21	—	—
356581 2011 SE_{255}	16.4	X	29.58544	264.31925	171.81733	13.46089	0.1485256	0.22971146	2.6404682	21	—	—
356582 2011 SN_{255}	16.7	X	287.75856	10.02131	180.70407	14.56067	0.0801497	0.23577086	2.5950315	21	—	—
356583 2011 SV_{256}	16.9	X	283.11726	352.72868	100.93676	3.26165	0.0748521	0.19601876	2.9349743	21	10 26.3	20.7
356584 2011 SF_{257}	16.9	X	19.33129	273.77346	273.23740	5.68224	0.1362955	0.25389630	2.4700086	21	3 12.2	19.4
356585 2011 SZ_{257}	16.5	X	100.36626	234.11949	35.95516	1.77831	0.0078557	0.19917166	2.9039180	21	10 27.5	20.5
356586 2011 SS_{258}	16.7	X	270.79956	19.15771	102.60978	3.29581	0.0151378	0.20328770	2.8645868	21	11 22.5	20.5
356587 2011 ST_{258}	16.6	X	42.23478	351.43207	13.22483	7.60614	0.0737188	0.21409051	2.7673947	21	12 24.1	20.4
356588 2011 SZ_{258}	16.4	X	166.02598	27.45801	113.64667	11.76913	0.0274247	0.17818554	3.1276711	21	8 6.8	20.9
356589 2011 SA_{259}	15.9	X	100.95063	303.14298	47.12572	18.32730	0.0775231	0.21589767	2.7519302	21	—	—
356590 2011 SZ_{271}	17.5	X	263.09777	181.45374	143.74854	7.03904	0.1421271	0.26798169	2.3826814	21	4 2.5	20.9
356591 2011 SB_{272}	16.4	X	77.90132	246.41068	158.59687	13.83416	0.1627493	0.23117165	2.6293375	21	—	—
356592 2011 SN_{274}	16.0	X	268.58206	16.32373	15.58701	6.11121	0.1586147	0.17707600	3.1407226	21	7 5.5	20.6
356593 2011 SC_{276}	16.9	X	296.42592	97.96148	301.95732	1.23129	0.2135072	0.18591984	3.0403172	21	8 13.1	20.8
356594 2011 TA_{1}	16.9	X	322.67287	150.06417	341.05894	5.21092	0.2325532	0.22315069	2.6919721	21	—	—
356595 2011 TE_{1}	15.2	X	214.36113	277.38372	171.14410	25.81384	0.2213949	0.17103559	3.2142406	21	7 13.9	21.0
356596 2011 TJ_{1}	16.8	X	127.11175	92.26419	309.30070	7.03636	0.0977662	0.24441290	2.5334945	21	2 13.1	20.2
356597 2011 TS_{1}	17.4	X	221.14877	170.38664	150.55938	4.69685	0.1558544	0.25237766	2.4799073	21	2 13.6	21.4
356598 2011 TQ_{2}	16.6	X	44.50908	58.22923	332.34337	5.45401	0.0498678	0.21666224	2.7454523	21	—	—
356599 2011 TZ_{2}	17.0	X	53.85681	284.34200	101.87492	1.99874	0.0533839	0.21969246	2.7201485	21	—	—
356600 2011 TR_{7}	16.8	X	77.06978	341.32171	9.07438	4.21345	0.0838840	0.21432748	2.7653545	21	—	—
356601 2011 TG_{10}	16.0	X	250.11647	73.50994	336.14995	9.52983	0.1286564	0.17535877	3.1611933	21	7 11.6	20.8
356602 2011 TC_{12}	17.3	X	214.02378	182.66653	170.52683	7.33199	0.1671316	0.25814369	2.4428401	21	3 18.6	21.0
356603 2011 TF_{12}	16.8	X	333.22233	56.12998	55.08828	5.69673	0.1196288	0.21816139	2.7328605	21	—	—
356604 2011 TR_{12}	16.6	X	275.27117	249.75668	161.64414	8.76234	0.0978081	0.18595210	3.0399655	21	8 15.4	20.7
356605 2011 TU_{12}	17.2	X	255.57179	212.36019	135.40620	4.68364	0.2004769	0.26912116	2.3759511	21	4 17.9	20.8
356606 2011 TV_{12}	16.0	X	287.70898	109.95206	278.27693	5.98293	0.1769273	0.18111276	3.0938792	21	7 20.9	20.2
356607 2011 TM_{16}	16.6	X	308.79340	239.37893	294.82460	3.73819	0.0973953	0.22096940	2.7096589	21	—	—
356608 2011 UQ	16.4	X	336.87937	219.81076	144.13966	11.48613	0.1499187	0.19079270	2.9883277	21	9 16.2	19.7
356609 2011 UY_{1}	16.9	X	124.22120	332.23120	7.45208	6.29231	0.0611003	0.22478742	2.6788889	21	—	—
356610 2011 UV_{2}	15.5	X	288.90022	354.32582	35.16819	23.65056	0.1851262	0.18136489	3.0910111	21	8 1.4	20.2
356611 2011 UR_{3}	17.7	X	55.57246	61.85996	221.67264	4.54435	0.1136053	0.29555750	2.2320713	21	10 15.2	20.2
356612 2011 UC_{6}	17.4	X	26.40078	64.85614	224.49050	4.80054	0.1608393	0.28478045	2.2880347	21	9 11.8	19.7
356613 2011 UM_{8}	16.9	X	41.90648	21.82389	59.02140	2.88396	0.0384464	0.22395862	2.6854941	21	—	—
356614 2011 US_{12}	16.2	X	316.07641	75.55809	31.28474	4.88180	0.0732529	0.20910237	2.8112324	21	12 31.5	19.8
356615 2011 UC_{13}	16.5	X	241.17347	154.25899	44.17189	3.12787	0.0262835	0.21575266	2.7531631	21	—	—
356616 2011 UN_{13}	17.1	X	48.70220	263.05828	307.64708	6.65645	0.0633518	0.26794014	2.3829277	21	6 7.7	19.8
356617 2011 UX_{13}	17.2	X	98.50932	65.26066	304.20695	5.08635	0.2491603	0.22704118	2.6611312	21	—	—
356618 2011 UT_{14}	17.2	X	64.35387	251.14622	356.96072	7.68048	0.0987341	0.28377656	2.2934276	21	9 4.9	19.7
356619 2011 UT_{15}	16.1	X	259.79578	74.31585	63.47877	11.82629	0.0661427	0.19876882	2.9078403	21	11 20.5	20.1
356620 2011 UH_{17}	16.6	X	243.92924	140.00038	308.02609	0.75171	0.1143142	0.17860908	3.1227246	21	8 21.6	21.2
356621 2011 UP_{17}	16.7	X	344.90388	196.36151	40.59834	12.48569	0.1395467	0.25371466	2.4711873	21	3 30.1	19.4
356622 2011 UQ_{17}	16.4	X	311.08569	283.65246	248.05876	2.94681	0.0544027	0.22325704	2.6911172	21	—	—
356623 2011 US_{17}	16.7	X	94.71073	292.84797	71.72533	3.73433	0.2574595	0.22563159	2.6722030	21	—	—
356624 2011 UV_{19}	16.5	X	332.09623	313.47848	32.57419	5.10512	0.1193248	0.18495111	3.0509242	21	8 14.8	20.1
356625 2011 UF_{22}	16.4	X	125.37608	325.28818	9.73851	14.68501	0.1236119	0.22622344	2.6675402	21	—	—
356626 2011 UH_{23}	16.5	X	274.23449	65.58239	88.38796	13.27815	0.1206980	0.21108802	2.7935750	21	12 24.9	19.8
356627 2011 UF_{26}	16.5	X	331.71777	272.89281	208.23167	7.48952	0.1617711	0.21313604	2.7756505	21	—	—
356628 2011 UP_{26}	16.8	X	8.44631	221.13157	203.10326	3.85799	0.0794674	0.21117348	2.7928212	21	—	—
356629 2011 UZ_{28}	16.1	X	297.71527	38.24193	10.12992	6.45751	0.1696936	0.18584536	3.0411295	21	9 4.5	19.8
356630 2011 US_{32}	16.4	X	359.95604	45.58898	334.85970	8.78957	0.1120937	0.20155926	2.8809400	21	11 13.4	20.0
356631 2011 UH_{34}	17.0	X	320.18592	86.17412	307.10349	0.97141	0.0628826	0.19419693	2.9533017	21	9 30.3	20.8
356632 2011 UB_{36}	16.8	X	353.56483	327.15030	77.45297	3.09060	0.0741967	0.20000396	2.8958561	21	12 4.8	20.3
356633 2011 UV_{37}	16.6	X	352.17092	82.48348	264.72682	4.60140	0.1530891	0.18830718	3.0145660	21	9 16.4	20.0
356634 2011 UC_{38}	16.0	X	169.99885	147.91284	19.61970	8.23611	0.0662120	0.18165462	3.0877236	21	9 15.2	20.6
356635 2011 UO_{38}	16.8	X	87.68441	182.41696	176.91304	3.07483	0.0957455	0.21646877	2.7470879	21	—	—
356636 2011 UM_{39}	17.5	X	224.37178	158.69322	224.45481	3.55237	0.1150848	0.26986828	2.3715638	21	5 6.6	20.7
356637 2011 UO_{39}	17.1	X	318.19601	211.57580	147.44391	11.69889	0.1679092	0.18454953	3.0553485	21	7 30.8	20.8
356638 2011 UJ_{42}	16.5	X	118.28396	44.52575	341.83158	9.34789	0.0759773	0.23660548	2.5889253	21	1 14.6	20.0
356639 2011 UB_{45}	17.3	X	344.29984	3.51785	290.83885	2.11931	0.1758672	0.27945989	2.3169841	21	6 15.1	18.8
356640 2011 UC_{45}	16.1	X	166.59123	0.02674	247.50147	4.91783	0.0172244	0.21073683	2.7966777	21	12 20.9	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356641 2011 UE_{45}	17.0	X	217.99154	145.27820	229.76443	6.20582	0.1338761	0.26186770	2.4196252	21	4 17.9	20.6
356642 2011 UL_{48}	17.1	X	39.93654	11.07365	30.04230	3.71319	0.0900842	0.21435723	2.7650986	21	—	—
356643 2011 UN_{48}	16.5	X	73.03589	158.50624	222.21360	5.29452	0.0364307	0.21811089	2.7332823	21	—	—
356644 2011 UZ_{48}	17.0	X	146.09656	323.46802	27.86356	2.85340	0.0467231	0.23194933	2.6234571	21	—	—
356645 2011 UF_{49}	16.4	X	282.85103	176.18341	215.32293	3.76116	0.2284546	0.17962102	3.1109852	21	7 10.9	20.8
356646 2011 UK_{53}	15.5	X	190.53877	255.29981	239.96453	11.78828	0.0901723	0.17605608	3.1528407	21	8 19.6	20.6
356647 2011 UN_{53}	16.9	X	149.85381	102.74236	254.33772	3.43418	0.2232318	0.23636512	2.5906801	21	1 29.9	20.9
356648 2011 UR_{56}	16.7	X	105.15120	307.84052	31.41783	5.27623	0.0859434	0.21624647	2.7489702	21	—	—
356649 2011 UG_{61}	16.2	X	254.59750	43.39218	82.62157	6.08648	0.0848279	0.19001732	2.9964515	21	10 28.1	20.4
356650 2011 UH_{61}	15.4	X	358.87514	238.04467	69.78203	16.39581	0.0627979	0.17209928	3.2009828	21	8 10.2	19.9
356651 2011 UK_{61}	15.3	X	199.90169	177.90625	224.62006	7.17481	0.1174088	0.15435942	3.4417603	21	5 12.8	20.7
356652 2011 UX_{61}	16.7	X	9.25765	211.59981	159.79552	2.22133	0.0982834	0.19512869	2.9438927	21	11 17.3	20.3
356653 2011 UF_{62}	16.6	X	145.15116	271.76323	69.92979	5.10316	0.3568707	0.23385278	2.6092019	21	1 22.3	21.0
356654 2011 US_{65}	16.2	X	302.42570	325.04051	56.73092	10.52177	0.0787025	0.18462148	3.0545547	21	8 23.3	20.4
356655 2011 UT_{65}	17.0	X	343.40125	218.55350	77.73196	5.77669	0.1555609	0.27894993	2.3198071	21	6 18.5	18.7
356656 2011 UG_{67}	16.6	X	68.73469	183.42089	152.92371	4.67270	0.1107869	0.20980940	2.8049132	21	12 25.0	20.6
356657 2011 US_{67}	16.3	X	338.18477	5.21512	50.12992	11.39463	0.0904561	0.20275402	2.8696113	21	11 25.7	19.7
356658 2011 UT_{71}	16.8	X	38.43492	39.14581	0.60732	8.97824	0.1681734	0.21862066	2.7290317	21	—	—
356659 2011 UO_{72}	17.0	X	34.58747	29.98132	50.31182	5.21153	0.0921250	0.22165273	2.7040870	21	—	—
356660 2011 UR_{73}	16.4	X	57.35035	341.40762	52.72216	6.73191	0.0352920	0.21633452	2.7482242	21	—	—
356661 2011 UY_{74}	16.7	X	353.90591	303.70897	89.94234	3.47904	0.1162829	0.20060098	2.8901076	21	11 24.8	20.0
356662 2011 UW_{75}	16.4	X	233.94783	54.39003	13.39509	9.55819	0.0773733	0.17403698	3.1771791	21	7 22.9	21.2
356663 2011 US_{76}	17.5	X	242.12590	54.01241	276.54465	4.01109	0.1189315	0.25574142	2.4581139	21	3 16.6	21.3
356664 2011 UA_{77}	16.4	X	14.79801	159.84386	299.99258	3.67028	0.0259469	0.22344841	2.6895804	21	—	—
356665 2011 UJ_{77}	17.5	X	5.01204	353.44925	282.52367	4.18548	0.1182334	0.27432350	2.3458165	21	7 4.1	19.6
356666 2011 UN_{77}	16.5	X	287.42644	29.22375	2.01710	4.64264	0.1354847	0.18001168	3.1064826	21	8 2.0	20.7
356667 2011 UY_{77}	16.4	X	266.83032	147.80622	350.51567	4.51762	0.0629167	0.20223634	2.8745063	21	11 29.9	20.4
356668 2011 UO_{80}	16.5	X	343.16216	61.65354	27.08009	7.37832	0.0568914	0.21039371	2.7997175	21	—	—
356669 2011 UB_{82}	16.8	X	111.61030	205.00997	115.48708	1.69002	0.0713278	0.21276662	2.7788625	21	—	—
356670 2011 UM_{82}	16.1	X	198.68333	98.04620	29.60442	11.00080	0.1097135	0.17490809	3.1666212	21	8 28.1	21.1
356671 2011 US_{84}	16.0	X	204.75194	357.92800	257.51350	8.07908	0.1004002	0.21725729	2.7404370	21	—	—
356672 2011 UL_{86}	16.9	X	123.70380	86.84605	241.11757	4.03527	0.1297885	0.21613273	2.7499345	21	—	—
356673 2011 UP_{87}	16.2	X	353.73857	272.68635	76.80600	4.50823	0.0235090	0.18202803	3.0834995	21	9 23.3	20.4
356674 2011 UQ_{87}	16.4	X	50.49432	355.02175	64.08013	6.57073	0.1142590	0.21840204	2.7308525	21	—	—
356675 2011 UZ_{89}	16.5	X	316.86854	150.22402	224.54520	6.43532	0.1695820	0.18180840	3.0859822	21	8 16.8	20.2
356676 2011 UA_{91}	16.4	X	260.69805	326.62651	108.73528	11.47114	0.0295633	0.18649517	3.0340611	21	9 11.9	20.8
356677 2011 UR_{93}	17.3	X	22.89434	2.88889	204.64889	5.91569	0.0478253	0.26086158	2.4258427	21	4 21.9	20.0
356678 2011 UB_{94}	17.3	X	167.46376	100.32005	206.40461	3.30903	0.0510884	0.22936800	2.6431035	21	—	—
356679 2011 UW_{97}	17.2	X	178.04888	318.89895	344.68439	3.55509	0.0930907	0.23220090	2.6215619	21	—	—
356680 2011 UD_{99}	16.9	X	292.74352	65.56915	334.05035	4.64540	0.1536417	0.18280765	3.0747263	21	8 16.9	20.8
356681 2011 UN_{101}	16.5	X	179.41627	160.64623	86.55427	5.13464	0.0084852	0.20868597	2.8149707	21	—	—
356682 2011 UL_{103}	15.7	X	275.88274	171.52011	256.57267	10.03111	0.1046648	0.18206865	3.0830408	21	9 1.1	20.2
356683 2011 UL_{104}	16.6	X	7.13169	133.09252	283.40575	2.97934	0.0624391	0.21248629	2.7813060	21	—	—
356684 2011 US_{107}	16.4	X	333.57350	241.36290	121.47421	11.67683	0.1577226	0.18952618	3.0016259	21	9 9.0	19.8
356685 2011 UT_{111}	15.9	X	349.60178	238.13650	247.37825	13.58934	0.0781326	0.22057658	2.7128750	21	—	—
356686 2011 UF_{113}	16.5	X	314.08552	359.30360	218.73797	9.58024	0.0204006	0.23740432	2.5831144	21	1 30.1	20.1
356687 2011 UK_{117}	16.3	X	299.00187	316.73257	43.18198	6.26429	0.1518242	0.17993615	3.1073518	21	7 4.8	20.5
356688 2011 UB_{121}	16.7	X	83.51888	72.65641	322.62021	4.42209	0.0447730	0.22575247	2.6712490	21	—	—
356689 2011 UF_{123}	16.7	X	212.43969	135.08516	34.36558	5.58781	0.0400782	0.20072453	2.8889216	21	11 5.0	20.7
356690 2011 UG_{123}	17.0	X	299.16074	101.36034	42.63918	3.49636	0.0234260	0.21791666	2.7349061	21	—	—
356691 2011 UR_{124}	15.8	X	271.82077	252.42277	232.60475	6.94641	0.0231108	0.20580067	2.8412200	21	11 26.9	19.6
356692 2011 UF_{125}	17.0	X	30.32815	56.97590	352.29390	5.50213	0.1012920	0.21745118	2.7388077	21	—	—
356693 2011 UA_{128}	16.0	X	328.85303	85.64597	245.88842	8.84562	0.1405335	0.17732550	3.1377758	21	7 13.7	19.9
356694 2011 UL_{134}	16.3	X	130.92822	256.39673	47.35934	8.29929	0.0748603	0.21419653	2.7664814	21	—	—
356695 2011 UM_{136}	17.2	X	144.29921	326.68982	353.19762	3.18074	0.0439240	0.22124883	2.7073770	21	—	—
356696 2011 UL_{137}	16.6	X	252.83555	90.20192	6.19692	3.35717	0.1574587	0.18500706	3.0503091	21	9 6.9	21.0
356697 2011 UW_{137}	16.3	X	211.29247	99.27208	357.64401	15.17574	0.2375662	0.17424317	3.1746721	21	7 26.6	21.9
356698 2011 UM_{138}	16.5	X	16.23716	11.41776	299.28151	2.17265	0.0979025	0.18040811	3.1019301	21	9 6.2	20.3
356699 2011 US_{138}	16.8	X	64.40574	104.74507	277.08733	4.99120	0.0835728	0.21769445	2.7367669	21	—	—
356700 2011 UD_{140}	16.5	X	25.93219	53.03783	260.33496	3.30205	0.1434505	0.18990947	2.9975859	21	9 30.6	20.2
356701 2011 UM_{140}	17.2	X	182.86178	359.88103	321.32876	3.62886	0.1314941	0.23389494	2.6088884	21	1 12.2	21.2
356702 2011 UH_{141}	15.5	X	232.21562	40.05197	48.45390	17.69443	0.1951023	0.17677806	3.1442505	21	8 7.9	20.8
356703 2011 UV_{141}	16.7	X	38.28353	295.29269	92.03437	5.42568	0.0791198	0.21229218	2.7830011	21	—	—
356704 2011 UF_{142}	16.6	X	99.70072	290.80391	73.69221	7.16868	0.1473654	0.22517568	2.6758087	21	—	—
356705 2011 UH_{143}	16.1	X	358.32884	244.29618	115.00722	11.81597	0.1056710	0.19063601	2.9899648	21	10 20.7	19.9
356706 2011 UZ_{143}	16.3	X	160.85208	139.88123	59.06451	9.89094	0.0758434	0.18459289	3.0548700	21	10 15.1	21.0
356707 2011 UG_{149}	16.5	X	315.86398	213.48519	139.91774	2.19139	0.2870349	0.18271709	3.0757423	21	6 30.7	20.0
356708 2011 UQ_{149}	17.0	X	307.28372	222.75340	78.16172	6.21401	0.0971008	0.26419168	2.4054147	21	5 2.5	19.9
356709 2011 UC_{151}	17.0	X	63.92887	196.87595	42.14226	6.23622	0.0992055	0.27770167	2.3267536	21	8 23.6	19.8
356710 2011 UK_{153}	15.5	X	276.01131	200.70649	233.45226	9.12249	0.0684601	0.18371307	3.0646157	21	9 15.9	19.8
356711 2011 UH_{159}	16.3	X	285.60539	122.40280	263.79865	2.64485	0.1896322	0.18059201	3.0998240	21	7 13.9	20.6
356712 2011 UC_{160}	15.5	X	235.90589	192.99968	238.91692	27.17334	0.1484628	0.17484382	3.1673972	21	7 12.0	20.9
356713 2011 UK_{160}	16.5	X	352.97270	146.87201	170.42747	4.97142	0.2090436	0.28444193	2.2898497	21	8 18.4	17.7
356714 2011 UZ_{162}	15.8	X	354.34457	4.64668	346.09220	3.66528	0.1398622	0.18860695	3.0113710	21	9 26.9	19.1
356715 2011 UY_{163}	16.5	X	267.13608	33.31412	25.45462	5.28343	0.1403082	0.17778238	3.1323977	21	8 10.8	21.0
356716 2011 UG_{164}	15.9	X	253.07030	7.99959	84.64211	12.00962	0.0772908	0.18549718	3.0449337	21	9 19.3	20.4
356717 2011 UO_{173}	16.4	X	97.94706	175.29012	148.70764	6.46908	0.0281371	0.21157114	2.7893206	21	—	—
356718 2011 UN_{174}	15.7	X	174.12331	61.51453	101.02593	10.40311	0.0383422	0.17930999	3.1145817	21	9 16.0	20.4
356719 2011 UT_{175}	17.3	X	30.42986	319.85643	325.46895	4.56374	0.1060225	0.28392722	2.2926162	21	9 5.3	19.5
356720 2011 UX_{175}	16.8	X	101.10012	52.81744	336.47125	3.80450	0.1068124	0.22897075	2.6461597	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356721 2011 UK_{176}	17.0	X	318.50866	211.59625	2.77274	3.82432	0.1355014	0.23830829	2.5765779	21	1 18.3	20.3
356722 2011 US_{176}	16.2	X	89.91669	96.01963	253.89984	5.69522	0.0099209	0.21304999	2.7763979	21	—	—
356723 2011 UB_{178}	16.4	X	257.44245	330.61528	108.28831	3.27117	0.0339381	0.18199668	3.0838535	21	9 8.1	20.7
356724 2011 UT_{179}	16.1	X	233.49670	97.67646	342.95367	4.72861	0.1210323	0.17230784	3.1983994	21	8 1.1	21.0
356725 2011 UB_{181}	16.7	X	195.10405	177.41553	317.35498	2.26829	0.1455098	0.17660021	3.1463612	21	8 26.3	21.7
356726 2011 UO_{181}	17.0	X	182.92794	340.89023	5.44850	3.20782	0.0522490	0.23983013	2.5656666	21	2 6.4	20.5
356727 2011 UW_{183}	16.7	X	248.46240	233.37759	40.28596	5.23173	0.1242433	0.23529059	2.5985616	21	1 17.6	20.7
356728 2011 UP_{185}	16.2	X	285.76336	284.75406	121.62794	6.19161	0.1525891	0.18111291	3.0938775	21	8 16.3	20.2
356729 2011 UM_{187}	15.9	X	101.52649	118.02973	237.55465	13.14562	0.1125750	0.22237592	2.6982212	21	—	—
356730 2011 US_{190}	16.0	X	288.93988	253.33329	110.58104	10.56080	0.2398086	0.17817356	3.1278113	21	6 13.1	20.5
356731 2011 UT_{190}	17.2	X	170.94370	318.63291	81.60291	3.54028	0.1981281	0.25642030	2.4537734	21	4 10.0	21.1
356732 2011 UJ_{191}	16.0	X	241.39083	215.69774	217.32848	9.79826	0.1844648	0.17897503	3.1184665	21	7 20.9	21.1
356733 2011 UQ_{193}	16.9	X	297.49306	118.09450	247.41525	1.43834	0.1945382	0.18098267	3.0953616	21	7 2.7	21.0
356734 2011 UM_{194}	15.8	X	181.42752	114.39959	45.82819	10.65656	0.0598437	0.18231165	3.0803006	21	9 21.4	20.5
356735 2011 UP_{195}	16.9	X	77.92128	38.11042	339.44641	5.70417	0.0354064	0.21835138	2.7312749	21	—	—
356736 2011 UH_{197}	17.5	X	36.82497	325.18429	311.69206	3.06538	0.1068167	0.28176532	2.3043283	21	9 3.3	19.7
356737 2011 UL_{199}	15.5	X	27.19749	55.09403	278.93821	8.59398	0.0887344	0.18979095	2.9988337	21	10 20.2	19.6
356738 2011 UE_{201}	16.7	X	137.30114	236.35819	97.13166	10.25179	0.1321585	0.22871847	2.6481051	21	—	—
356739 2011 UH_{202}	16.5	X	265.28063	354.94729	88.90525	3.78071	0.0929457	0.18342207	3.0678562	21	9 16.5	20.7
356740 2011 UE_{203}	16.6	X	109.17118	227.56930	110.05477	3.70513	0.0761992	0.21457489	2.7632284	21	—	—
356741 2011 UZ_{204}	15.6	X	34.92125	195.42474	114.74975	15.62892	0.0521178	0.18892881	3.0079498	21	10 6.9	19.9
356742 2011 UC_{207}	16.7	X	167.90651	339.29028	294.32475	4.02788	0.1212690	0.22087594	2.7104233	21	—	—
356743 2011 UL_{207}	17.6	X	130.60245	50.23274	3.88794	7.33724	0.0514779	0.24584967	2.5236142	21	3 1.7	20.9
356744 2011 UG_{209}	16.6	X	349.75852	160.16514	2.81533	7.55730	0.1826451	0.23256336	2.6188373	21	—	—
356745 2011 UZ_{212}	16.8	X	248.54437	280.92002	289.77402	4.59408	0.0136637	0.22310326	2.6923537	21	—	—
356746 2011 UT_{216}	16.6	X	216.44338	254.65913	254.90648	4.66848	0.1605033	0.18713704	3.0271194	21	10 1.0	21.5
356747 2011 UZ_{216}	16.6	X	231.80667	217.21557	238.60738	3.15593	0.0855158	0.17770201	3.1333422	21	8 19.6	21.3
356748 2011 UA_{224}	17.1	X	126.87855	277.19666	46.63186	2.80045	0.1334475	0.22467077	2.6798162	21	—	—
356749 2011 UU_{235}	16.9	X	144.12502	336.76446	359.03321	3.24463	0.1199036	0.22842290	2.6503890	21	—	—
356750 2011 UY_{237}	16.7	X	151.52600	55.48541	270.88500	1.60566	0.0900379	0.22592034	2.6699256	21	—	—
356751 2011 UD_{239}	16.8	X	165.31950	39.42621	276.67516	1.92310	0.1095884	0.22700172	2.6614396	21	—	—
356752 2011 UB_{240}	16.2	X	170.61064	265.64484	235.70912	7.99345	0.0564139	0.17213901	3.2004903	21	8 8.3	21.1
356753 2011 UX_{243}	17.8	X	56.83628	230.84020	41.66255	2.98464	0.1526655	0.28490034	2.2873928	21	10 7.8	20.4
356754 2011 UY_{243}	16.5	X	191.72631	167.81136	342.56029	0.86182	0.1183197	0.17902519	3.1178839	21	9 12.4	21.5
356755 2011 UR_{248}	16.4	X	128.66551	350.24623	221.94329	4.56574	0.0853504	0.18090745	3.0962196	21	9 22.5	21.2
356756 2011 UP_{249}	15.8	X	103.66246	157.42087	60.14247	11.31162	0.0597909	0.17506369	3.1647446	21	9 5.8	20.6
356757 2011 UY_{249}	17.1	X	150.51064	64.41892	228.44128	3.58180	0.0423086	0.21230346	2.7829026	21	—	—
356758 2011 UP_{250}	16.3	X	324.46050	276.28536	98.00435	3.24331	0.0775873	0.18183435	3.0856886	21	9 11.5	20.3
356759 2011 UZ_{250}	16.6	X	18.49363	299.58783	95.84536	5.63469	0.1017153	0.20395584	2.8583273	21	—	—
356760 2011 UU_{254}	16.5	X	49.53584	67.51176	327.87915	1.63758	0.0556116	0.21827707	2.7318948	21	—	—
356761 2011 UV_{254}	16.1	X	212.94793	236.62519	223.14212	9.11269	0.1978647	0.17447608	3.1718462	21	7 25.9	21.5
356762 2011 UJ_{256}	17.2	X	248.12811	45.44619	292.93932	10.08761	0.1934038	0.26763086	2.3847632	21	3 22.9	21.2
356763 2011 UJ_{258}	16.7	X	263.57348	187.40712	226.14863	4.40279	0.1563031	0.17705003	3.1410297	21	7 25.3	21.2
356764 2011 UP_{261}	17.0	X	159.76010	290.32370	28.99897	6.60498	0.0379727	0.22228173	2.6989833	21	—	—
356765 2011 UU_{262}	16.8	X	70.30118	100.04804	242.12207	7.06205	0.0663941	0.20407825	2.8571842	21	12 26.8	20.9
356766 2011 UT_{269}	16.5	X	117.06642	311.76744	60.06989	2.40400	0.2765282	0.23220739	2.6215130	21	1 23.3	20.1
356767 2011 UF_{270}	16.6	X	108.01406	173.80231	145.56109	5.76974	0.1167262	0.21754588	2.7380128	21	—	—
356768 2011 UZ_{274}	16.8	X	99.30430	34.50559	4.99987	3.17588	0.1223710	0.23099383	2.6306867	21	1 12.5	20.0
356769 2011 UR_{275}	16.3	X	145.26317	241.49012	269.03815	3.65760	0.0813270	0.17029089	3.2236046	21	7 26.4	21.1
356770 2011 UE_{278}	16.7	X	343.80258	338.49131	274.41229	6.22469	0.0976905	0.25527308	2.4611195	21	4 17.3	19.5
356771 2011 UM_{278}	15.9	X	318.20537	126.07591	255.73489	7.94542	0.1514896	0.18353905	3.0665525	21	8 29.7	19.7
356772 2011 UV_{279}	16.6	X	272.47944	89.48186	352.95114	2.68878	0.0925191	0.18352115	3.0667519	21	9 21.9	20.9
356773 2011 UR_{280}	16.7	X	114.56592	338.06738	358.64500	6.33644	0.0662238	0.22004636	2.7172312	21	—	—
356774 2011 UT_{280}	16.1	X	98.81407	111.06355	239.07946	8.19587	0.0590115	0.21911044	2.7249634	21	—	—
356775 2011 UL_{281}	15.5	X	171.67993	267.67956	245.56858	14.98927	0.1443370	0.17317434	3.1877213	21	8 20.5	21.0
356776 2011 UF_{282}	16.9	X	269.89054	253.46425	302.00511	2.48131	0.0179054	0.21968338	2.7202235	21	—	—
356777 2011 UD_{283}	16.0	X	5.41598	205.09867	87.81252	6.29369	0.1579921	0.17561284	3.1581436	21	7 30.9	19.5
356778 2011 UA_{291}	16.9	X	56.17153	310.41263	20.77634	2.32091	0.0598840	0.20177022	2.8789315	21	11 25.1	20.8
356779 2011 UU_{295}	16.9	X	294.81166	297.11593	210.55193	3.71769	0.0070079	0.21560661	2.7544063	21	—	—
356780 2011 UQ_{296}	15.6	X	289.89159	337.13673	49.77761	10.52823	0.0750951	0.17948710	3.1125324	21	8 11.7	20.0
356781 2011 UQ_{301}	16.4	X	257.25511	109.14090	76.83470	3.01870	0.0122298	0.21429619	2.7656237	21	—	—
356782 2011 UJ_{302}	15.8	X	301.44402	53.86634	322.57012	10.67447	0.0943610	0.18147639	3.0897450	21	8 8.1	19.8
356783 2011 UT_{303}	17.6	X	89.17797	99.37537	171.54633	5.98607	0.1174787	0.30037125	2.2081597	21	11 12.7	20.6
356784 2011 UU_{303}	16.8	X	167.44110	162.89346	169.89272	6.13784	0.0607711	0.23631165	2.5910709	21	1 2.5	20.5
356785 2011 UO_{304}	16.6	X	342.83206	291.17662	184.24405	7.41246	0.0748170	0.21881983	2.7273754	21	—	—
356786 2011 UU_{306}	16.8	X	130.83545	234.42122	147.58350	10.19454	0.2166765	0.23778952	2.5803240	21	2 10.3	20.5
356787 2011 UF_{309}	16.7	X	13.51075	20.07391	41.10904	4.85166	0.0584278	0.21286113	2.7780399	21	—	—
356788 2011 UC_{312}	16.8	X	116.46357	87.83619	227.84380	3.41282	0.0992282	0.21539254	2.7562310	21	—	—
356789 2011 UL_{313}	16.8	X	341.28294	60.08495	71.64307	5.25687	0.0318931	0.22182651	2.7026745	21	—	—
356790 2011 UT_{313}	16.1	X	190.15729	83.28763	70.30754	6.52452	0.0879755	0.18297030	3.0729039	21	9 19.9	20.9
356791 2011 UK_{314}	16.9	X	330.41544	316.28014	127.26354	2.95943	0.0415813	0.20566099	2.8425063	21	12 21.2	20.7
356792 2011 UA_{315}	16.1	X	88.74181	259.98033	134.47067	3.86646	0.2258679	0.12428137	3.9767843	21	1 29.6	21.5
356793 2011 UM_{319}	16.7	X	144.61553	297.61915	54.80612	4.14410	0.1049304	0.23021249	2.6366357	21	1 8.1	20.3
356794 2011 UP_{319}	16.8	X	117.38098	226.63637	64.71342	3.04856	0.0391115	0.20338000	2.8637200	21	12 16.2	20.9
356795 2011 UX_{322}	16.0	X	61.73456	206.04479	147.60346	10.47088	0.1680418	0.21444573	2.7643378	21	—	—
356796 2011 UY_{322}	15.8	X	296.25983	243.58460	152.90967	10.91231	0.2800009	0.18389146	3.0626333	21	7 27.3	19.7
356797 2011 UA_{325}	16.4	X	114.05468	297.35193	15.23279	4.44476	0.0615790	0.21025646	2.8009358	21	—	—
356798 2011 UL_{330}	16.0	X	300.98157	6.99073	34.99604	6.52451	0.1336858	0.18384969	3.0630972	21	9 7.3	19.9
356799 2011 UV_{330}	16.6	X	264.24297	47.13862	5.80447	9.31335	0.1068764	0.17773178	3.1329922	21	8 5.9	21.1
356800 2011 UZ_{330}	16.8	X	171.95763	22.36615	308.98769	14.56982	0.1355499	0.23903110	2.5713810	21	1 14.2	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356801 2011 UG_{331}	16.6	X	267.83893	20.35283	40.63668	4.55699	0.1263118	0.17634633	3.1493803	21	8 16.4	21.0
356802 2011 UK_{335}	16.1	X	300.21906	262.55826	130.56109	12.89019	0.1836800	0.18521368	3.0480401	21	8 15.6	19.8
356803 2011 UH_{336}	17.6	X	12.41535	63.74676	260.04700	6.55412	0.1422146	0.29454618	2.2371776	21	10 6.9	19.7
356804 2011 UZ_{337}	16.6	X	63.68767	230.92340	139.44937	12.70155	0.2166932	0.21872088	2.7281980	21	—	—
356805 2011 UF_{339}	16.6	X	38.62036	234.00263	193.85431	9.23792	0.0819629	0.22253582	2.6969285	21	—	—
356806 2011 UO_{343}	16.0	X	193.37289	174.31951	119.56239	16.07390	0.1058498	0.23274666	2.6174622	21	—	—
356807 2011 UV_{343}	17.4	X	51.97784	223.14025	40.19875	4.71633	0.1315520	0.28117953	2.3075276	21	9 15.1	19.9
356808 2011 UA_{344}	16.8	X	121.94506	309.79652	11.47036	4.89832	0.0674883	0.21993835	2.7181207	21	—	—
356809 2011 UH_{358}	16.8	X	88.58733	284.28967	157.86365	12.28241	0.0915474	0.24105442	2.5569720	21	2 14.0	20.0
356810 2011 US_{359}	16.0	X	263.90399	158.66956	242.92381	3.75574	0.1047183	0.17127763	3.2112119	21	7 18.0	20.6
356811 2011 UD_{362}	15.6	X	334.71221	254.85782	68.45859	12.94618	0.1092964	0.17171686	3.2057335	21	7 18.5	19.7
356812 2011 UE_{369}	16.8	X	135.12296	84.12936	227.92892	2.40230	0.0947103	0.21633296	2.7482375	21	—	—
356813 2011 US_{369}	16.3	X	40.34943	344.44253	60.71110	3.94298	0.0885789	0.21727923	2.7402525	21	—	—
356814 2011 UU_{371}	15.7	X	232.27283	357.54736	59.45027	10.66651	0.1298056	0.17341683	3.1847491	21	6 29.6	20.7
356815 2011 UT_{379}	16.2	X	250.93280	166.60003	245.46820	1.41757	0.0919101	0.17024146	3.2242286	21	7 17.9	20.8
356816 2011 UN_{381}	17.0	X	61.44578	224.04170	112.34755	3.23136	0.0735963	0.20280708	2.8691108	21	12 10.7	21.1
356817 2011 UJ_{383}	16.9	X	112.68505	52.68885	316.10828	5.36159	0.0568790	0.22575225	2.6712508	21	—	—
356818 2011 UT_{383}	16.8	X	190.62832	12.92071	316.75031	4.48459	0.1330197	0.23889672	2.5723452	21	1 28.9	20.7
356819 2011 UC_{389}	15.5	X	256.80457	144.68098	269.60411	10.28178	0.0582358	0.17732267	3.1378092	21	7 30.1	20.1
356820 2011 UQ_{389}	16.3	X	172.09969	14.98771	240.83756	3.33123	0.0138098	0.21115744	2.7929626	21	—	—
356821 2011 UZ_{389}	16.3	X	292.69354	20.69847	5.28194	10.91674	0.1639085	0.17996139	3.1070613	21	7 31.7	20.5
356822 2011 UD_{391}	15.7	X	227.83646	269.52843	190.52335	20.17806	0.2474180	0.17489447	3.1667856	21	8 3.5	21.4
356823 2011 UM_{391}	16.0	X	18.25704	27.92099	79.58356	22.75850	0.0255512	0.22603543	2.6690193	21	—	—
356824 2011 UN_{391}	15.8	X	223.41860	259.52943	122.23727	12.51341	0.2566703	0.16124064	3.3431283	21	5 7.5	21.7
356825 2011 UT_{391}	15.9	X	265.70340	126.66520	288.47345	10.10550	0.0637914	0.17973476	3.1096725	21	8 10.8	20.4
356826 2011 UQ_{398}	16.5	X	63.70587	187.38816	161.94836	5.82594	0.0914855	0.21181090	2.7872153	21	—	—
356827 2011 UY_{401}	16.0	X	265.81475	147.42402	279.83743	8.72130	0.0783897	0.18245551	3.0786812	21	8 23.3	20.5
356828 2011 UA_{402}	16.0	X	306.93036	241.16818	171.82782	14.60765	0.1045139	0.19084182	2.9878148	21	10 4.2	19.7
356829 2011 UF_{404}	15.2	X	236.65232	280.91069	151.62915	25.95018	0.2673831	0.17481571	3.1677366	21	7 11.7	20.8
356830 2011 UV_{404}	15.5	X	231.40121	282.73140	128.22016	9.06909	0.1699882	0.17429602	3.1740303	21	6 18.6	20.6
356831 2011 US_{407}	17.1	X	114.30492	260.19607	71.10635	5.10692	0.1066763	0.22181457	2.7027715	21	—	—
356832 2011 UA_{408}	15.7	X	157.69146	155.43292	325.53689	10.28234	0.0275377	0.16953877	3.2331315	21	7 2.4	20.5
356833 2011 VL	16.0	X	295.61064	64.17988	288.20174	10.32690	0.2030497	0.17527467	3.1622045	21	6 11.8	20.3
356834 2011 VZ	16.1	X	284.99313	63.38158	3.90356	12.33377	0.1697634	0.18682798	3.0304569	21	9 10.9	20.1
356835 2011 VJ_{1}	16.2	X	294.32374	47.11094	333.76039	11.04244	0.1616830	0.18126269	3.0921729	21	7 26.2	20.3
356836 2011 VU_{1}	16.0	X	251.40796	67.04706	355.86756	9.18173	0.1017508	0.17981615	3.1087342	21	8 3.3	20.6
356837 2011 VV_{6}	15.7	X	1.93486	229.80381	102.97776	10.78829	0.1210692	0.18749407	3.0232752	21	9 21.2	19.5
356838 2011 VZ_{7}	16.5	X	67.19797	252.69783	123.69662	5.78543	0.1213170	0.21542350	2.7559669	21	—	—
356839 2011 VB_{14}	16.9	X	195.60870	46.91296	219.66885	4.28340	0.0716271	0.22004007	2.7172830	21	—	—
356840 2011 VL_{15}	16.8	X	3.78999	267.47023	217.51306	1.80911	0.0861221	0.22570596	2.6716160	21	—	—
356841 2011 VM_{22}	16.5	X	268.60774	86.22237	336.97368	8.60208	0.1112892	0.17979371	3.1089928	21	8 21.3	20.9
356842 2011 VP_{22}	16.9	X	342.74322	0.23509	131.69436	5.97267	0.0624755	0.22016488	2.7162559	21	—	—
356843 2011 WJ_{2}	15.8	X	285.38713	255.00527	148.42634	21.50897	0.2683214	0.18157455	3.0886313	21	7 23.6	20.3
356844 2011 WE_{3}	15.8	X	256.28733	163.64460	254.63211	7.11378	0.1016551	0.17207121	3.2013310	21	7 29.1	20.5
356845 2011 WQ_{3}	16.8	X	0.37223	114.36732	343.45749	2.58950	0.0625134	0.21620714	2.7493036	21	—	—
356846 2011 WD_{6}	15.8	X	296.28738	28.90892	29.44293	10.04080	0.0326068	0.18539801	3.0460194	21	10 3.8	19.9
356847 2011 WC_{7}	16.4	X	166.01844	265.99332	246.35004	1.98733	0.0282791	0.17554766	3.1589253	21	8 18.9	21.0
356848 2011 WE_{8}	17.0	X	324.69040	116.44157	325.55423	1.21584	0.0374094	0.20231889	2.8737242	21	12 10.6	20.8
356849 2011 WM_{9}	17.0	X	182.08885	167.58469	63.44339	2.92141	0.0154495	0.20353195	2.8622945	21	12 17.8	21.0
356850 2011 WM_{14}	14.9	X	293.82301	296.05054	67.67800	17.43557	0.2510081	0.17743158	3.1365251	21	6 15.3	19.2
356851 2011 WT_{24}	16.2	X	83.99763	87.31144	319.70597	10.93145	0.0650470	0.22836573	2.6508313	21	—	—
356852 2011 WY_{24}	16.8	X	21.45693	315.56253	89.23665	6.22152	0.1633582	0.20949490	2.8077196	21	—	—
356853 2011 WR_{27}	16.7	X	125.44935	257.90162	61.91530	7.12644	0.2292818	0.22155303	2.7048982	21	—	—
356854 2011 WT_{27}	17.4	X	208.96521	290.12932	19.30980	3.99807	0.1027447	0.23706604	2.5855711	21	1 22.5	21.3
356855 2011 WG_{31}	16.1	X	152.78232	67.17528	246.95164	6.45223	0.0661599	0.21762211	2.7373734	21	—	—
356856 2011 WL_{33}	16.5	X	160.45594	162.11930	124.98535	4.76059	0.0740737	0.21663244	2.7457040	21	—	—
356857 2011 WL_{44}	16.5	X	78.38518	341.41824	49.75662	5.92963	0.0725993	0.22232952	2.6985966	21	—	—
356858 2011 WU_{46}	15.3	X	217.02893	192.81376	253.31024	17.55530	0.1374010	0.17290319	3.1910531	21	7 15.5	20.5
356859 2011 WF_{54}	16.2	X	326.35636	34.26874	55.40627	9.88941	0.1002155	0.20619069	2.8376360	21	12 23.3	19.6
356860 2011 WV_{55}	15.8	X	158.27120	108.79212	77.32011	6.22596	0.1117364	0.18178320	3.0862674	21	9 26.8	20.7
356861 2011 WD_{61}	16.8	X	63.51450	248.57738	107.02734	3.21262	0.0755527	0.20490960	2.8494509	21	—	—
356862 2011 WP_{61}	16.4	X	333.66504	122.83647	268.20395	3.55790	0.1569388	0.19011566	2.9954181	21	10 12.9	19.8
356863 Maathai	15.4	X	140.96886	143.07018	210.79376	3.91612	0.1107915	0.12540322	3.9530313	21	1 23.8	21.4
356864 2011 WW_{64}	13.9	X	262.51334	71.19199	36.29119	5.27118	0.1061376	0.08196889	5.2485177	21	9 29.5	20.9
356865 2011 WZ_{70}	15.6	X	145.63634	169.45104	61.35178	13.10324	0.0486408	0.18979162	2.9988266	21	11 5.3	20.0
356866 2011 WU_{72}	16.2	X	272.01798	134.51621	274.79048	5.51162	0.0543988	0.17524766	3.1625294	21	8 13.3	20.8
356867 2011 WU_{77}	16.7	X	141.92614	16.97495	280.66311	3.96653	0.1360878	0.21401558	2.7680406	21	—	—
356868 2011 WJ_{79}	15.7	X	144.08384	308.39426	238.76777	12.73807	0.2197906	0.17411685	3.1762073	21	9 9.3	21.3
356869 2011 WT_{81}	16.7	X	214.80831	53.09333	235.76798	6.61273	0.0831194	0.22986765	2.6392720	21	1 2.4	20.7
356870 2011 WH_{84}	16.9	X	108.99176	211.58280	165.99397	3.25335	0.0937370	0.22402695	2.6849479	21	—	—
356871 2011 WH_{88}	16.5	X	68.20651	316.71591	73.32412	5.33195	0.1344774	0.21577743	2.7529524	21	—	—
356872 2011 WX_{106}	16.2	X	291.08892	62.39261	89.21761	12.70682	0.0206337	0.21303093	2.7765635	21	—	—
356873 2011 WZ_{113}	15.2	X	215.16558	5.58286	109.87918	16.71345	0.0443775	0.17920814	3.1157616	21	9 4.8	19.9
356874 2011 WA_{114}	15.1	X	274.63336	348.27124	67.80349	21.53991	0.0739973	0.17981227	3.1087789	21	9 5.3	19.9
356875 2011 WL_{114}	15.4	X	294.28175	281.03116	97.45306	15.77732	0.2001098	0.17577215	3.1562350	21	7 14.5	19.7
356876 2011 WM_{117}	15.1	X	293.02645	351.14110	61.97205	17.48841	0.0854995	0.18120664	3.0928105	21	9 23.9	19.6
356877 2011 WN_{119}	15.6	X	296.80839	269.76352	79.53925	12.53315	0.0864098	0.17110259	3.2134015	21	6 26.9	19.9
356878 2011 WC_{125}	16.0	X	308.33277	172.27918	202.82541	8.99419	0.1367004	0.17776262	3.1326298	21	8 6.9	20.1
356879 2011 WJ_{126}	15.4	X	245.89134	194.80859	246.48298	9.04240	0.0816318	0.17801152	3.1297092	21	8 15.6	20.1
356880 2011 WU_{127}	16.3	X	323.23107	278.06238	72.37606	7.44861	0.1715349	0.18196160	3.0842499	21	7 30.1	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356881 2011 WG_{129}	16.4	X	5.06140	180.72878	145.76788	1.66648	0.1439750	0.18385906	3.0629932	21	9 13.9	19.7
356882 2011 WJ_{132}	16.0	X	174.36645	228.88842	78.82899	13.01642	0.1954113	0.22599912	2.6693051	21	—	—
356883 2011 WW_{132}	15.4	X	119.54275	167.14617	356.64516	15.65998	0.0702479	0.16360671	3.3108180	21	7 18.3	20.5
356884 2011 WH_{134}	16.5	X	337.87111	65.55546	115.32974	12.64250	0.1175046	0.23521959	2.5990844	21	1 3.4	19.8
356885 2011 WL_{138}	16.4	X	217.89492	190.72331	31.92433	5.47507	0.1003674	0.21187718	2.7866339	21	—	—
356886 2011 WE_{146}	15.4	X	314.17333	296.05250	101.28878	12.44898	0.0569332	0.18427680	3.0583624	21	10 3.3	19.7
356887 2011 WF_{148}	16.3	X	309.26012	265.51811	145.14874	8.22928	0.0970778	0.18644094	3.0346494	21	10 5.9	20.1
356888 2011 WV_{150}	16.1	X	357.11822	116.33040	0.43193	7.65279	0.0085759	0.22149779	2.7053478	21	—	—
356889 2011 WE_{152}	16.2	X	344.89119	98.90116	289.59377	10.67712	0.0691746	0.19474810	2.9477268	21	10 26.6	20.2
356890 2011 WP_{153}	15.6	X	158.80712	54.05202	122.60454	11.51569	0.0602710	0.17813106	3.1283087	21	9 15.2	20.4
356891 2011 XN	16.1	X	117.97086	218.94183	157.70187	32.77791	0.2090402	0.23494257	2.6011271	21	1 20.1	20.1
356892 2011 XT	16.3	X	49.21228	71.00446	266.06593	8.30465	0.0319959	0.19453377	2.9498915	21	11 18.0	20.4
356893 2011 XL_{3}	13.1	X	7.61292	36.54008	338.72323	28.12923	0.0422325	0.08213602	5.2413957	21	10 12.7	20.2
356894 2011 YN_{15}	15.8	X	303.90862	233.93700	126.08062	17.11267	0.1321341	0.17140603	3.2096079	21	7 14.5	20.1
356895 2011 YO_{16}	12.8	X	300.24314	135.49877	311.26741	21.87188	0.1051327	0.08159540	5.2645220	21	10 7.3	19.8
356896 2011 YX_{20}	13.4	X	56.40135	55.82719	286.48683	10.52176	0.0596896	0.08237501	5.2312531	21	11 17.2	20.3
356897 2011 YQ_{28}	12.8	X	330.93046	304.41818	116.38441	28.49894	0.0558377	0.07897220	5.3804661	21	11 12.5	20.0
356898 2011 YT_{29}	14.1	X	245.37128	277.19746	241.17772	6.21541	0.0582411	0.08364825	5.1780328	21	11 10.3	21.1
356899 2011 YL_{42}	13.5	X	315.39720	115.84310	301.91017	10.00630	0.1196633	0.08330778	5.1921313	21	9 29.9	20.1
356900 2011 YN_{43}	13.9	X	342.08475	110.96748	290.16351	9.39380	0.1314093	0.08317619	5.1976061	21	10 19.1	20.3
356901 2011 YJ_{55}	13.5	X	304.70000	137.52144	304.70347	13.85053	0.0601279	0.08056207	5.3094432	21	10 17.8	20.5
356902 2011 YF_{56}	14.1	X	326.95360	119.56040	311.81105	6.28851	0.0923657	0.08449347	5.1434433	21	11 4.6	20.6
356903 2011 YH_{71}	13.3	X	290.13322	355.18071	106.23650	10.56068	0.0201168	0.07971062	5.3471854	21	11 5.3	20.4
356904 2011 YT_{71}	13.4	X	323.66447	35.08339	45.12724	5.38311	0.0737115	0.08449316	5.1434557	21	11 13.3	19.8
356905 2011 YC_{75}	14.0	X	312.82767	305.16550	145.20126	8.20127	0.1025384	0.08402509	5.1625394	21	11 11.0	20.6
356906 2011 YE_{75}	13.8	X	289.98317	90.54774	19.75486	3.22752	0.0659036	0.08177960	5.2566137	21	11 5.7	20.6
356907 2011 YW_{76}	13.1	X	352.88994	123.86850	283.43461	12.28006	0.0853314	0.08378621	5.1723472	21	11 12.2	19.6
356908 2012 AE_{4}	15.5	X	291.89930	314.08274	109.25010	10.54630	0.0726506	0.17639822	3.1487626	21	10 1.2	19.9
356909 2012 AP_{14}	12.9	X	355.14111	277.80219	119.07482	34.31072	0.0908313	0.08247019	5.2272273	21	11 19.0	19.8
356910 2012 AA_{17}	13.3	X	130.88986	345.17165	288.85945	13.46700	0.0595775	0.08210342	5.2427832	21	11 21.2	20.6
356911 2012 BQ_{5}	13.9	X	336.75888	109.20576	309.30979	5.44963	0.0597911	0.08087795	5.2956098	21	11 4.2	20.6
356912 2012 BW_{36}	13.5	X	1.09763	113.35569	274.19591	6.08176	0.0372510	0.08066691	5.3048417	21	10 30.9	20.4
356913 2012 BQ_{50}	13.8	X	272.15826	13.18970	124.15119	8.60334	0.0529809	0.08331765	5.1917212	21	11 19.5	20.7
356914 2012 BJ_{57}	13.8	X	321.58885	149.97502	283.15417	6.55991	0.0672371	0.08194958	5.2493425	21	11 1.2	20.6
356915 2012 BG_{61}	14.0	X	335.73921	98.42226	331.27655	5.76263	0.0636256	0.08411631	5.1588067	21	11 15.9	20.6
356916 2012 BH_{61}	14.0	X	313.05000	115.57836	341.12544	6.97373	0.1002241	0.08409950	5.1594941	21	11 13.9	20.5
356917 2012 BX_{105}	15.9	X	270.51713	333.95877	196.77189	11.08031	0.0989290	0.19206501	2.9751158	21	—	—
356918 2012 BF_{119}	14.1	X	347.01414	283.36507	128.49643	5.10289	0.1861001	0.08371419	5.1753134	21	11 12.7	20.0
356919 2012 BL_{126}	15.4	X	167.82676	160.98481	128.51862	10.77443	0.0792624	0.19065268	2.9897906	21	—	—
356920 2012 BC_{139}	16.2	X	216.50021	349.44132	193.14361	3.93339	0.0683060	0.17906369	3.1174370	21	11 20.3	20.8
356921 2012 CL	15.5	X	295.62447	330.99402	147.48774	17.17147	0.0300511	0.18100524	3.0951043	21	12 15.5	20.0
356922 2012 CP_{5}	15.7	X	245.44430	91.68657	85.58146	11.83160	0.0878303	0.18546301	3.0453077	21	12 15.0	19.9
356923 2012 CP_{51}	15.7	X	153.20822	81.88091	162.29387	11.35344	0.0967066	0.17307879	3.1888945	21	11 27.0	20.8
356924 2012 CJ_{54}	16.2	X	186.69389	246.98227	115.70079	9.43765	0.0732755	0.22329488	2.6908131	21	3 8.9	20.2
356925 2012 QP_{37}	17.0	X	247.21929	33.84984	279.79989	6.21324	0.1758649	0.29120667	2.2542488	21	2 20.4	20.6
356926 2012 RM_{13}	15.9	X	267.13813	80.48521	335.09863	11.38421	0.1288303	0.21019264	2.8015027	21	8 9.7	19.7
356927 2012 RV_{22}	16.3	X	51.73994	266.49737	170.45000	7.36041	0.0841574	0.25871525	2.4392409	21	—	—
356928 2012 RG_{31}	16.0	X	21.98775	321.56060	22.25467	14.29968	0.1702477	0.22619584	2.6677573	21	11 12.2	19.2
356929 2012 RC_{36}	16.8	X	243.99103	229.21509	8.26098	7.62936	0.0714126	0.26475453	2.4020043	21	—	—
356930 2012 SG_{13}	16.7	X	321.30274	209.94860	163.16075	3.91729	0.1077325	0.21314465	2.7755758	21	9 3.8	19.7
356931 2012 SM_{13}	16.8	X	253.42905	133.65622	264.97132	0.80613	0.0722920	0.20169311	2.8796652	21	7 6.8	20.7
356932 2012 SE_{30}	16.6	X	189.66553	209.81775	240.43678	0.85376	0.0768082	0.19669429	2.9282504	21	6 29.4	21.0
356933 2012 SX_{58}	15.9	X	219.96646	143.56247	178.01819	16.42840	0.2011401	0.17367288	3.1816180	21	2 19.8	21.4
356934 2012 TB_{15}	12.8	X	320.54160	279.73184	31.06160	29.22920	0.0799561	0.08203451	5.2457187	21	6 6.9	19.8
356935 2012 TV_{56}	16.0	X	168.74827	64.15418	26.30474	4.98283	0.1267910	0.17746943	3.1360791	21	6 8.3	21.0
356936 2012 TP_{90}	16.7	X	263.14264	158.31359	42.31132	5.98634	0.0705570	0.25432742	2.4672165	21	—	—
356937 2012 TO_{150}	17.9	X	121.35508	72.43927	9.20590	3.69353	0.1874747	0.27483362	2.3429129	21	4 8.9	20.9
356938 2012 TT_{150}	16.6	X	26.98495	23.68045	358.25054	3.02421	0.1284306	0.23162879	2.6258768	21	—	—
356939 2012 TQ_{187}	17.2	X	273.68778	304.39916	54.38586	8.37193	0.1982682	0.30488702	2.1863017	21	5 17.8	19.8
356940 2012 TX_{199}	15.7	X	187.75385	177.69194	251.22673	9.53743	0.1113453	0.18065857	3.0990625	21	5 31.7	20.6
356941 2012 TA_{234}	16.4	X	353.84704	269.49431	74.53957	12.27501	0.1220497	0.21527089	2.7572692	21	9 28.5	19.7
356942 2012 TO_{286}	16.1	X	159.76352	51.37985	39.88347	7.75830	0.1695382	0.17428846	3.1741221	21	6 2.2	21.4
356943 2012 TB_{302}	16.2	X	294.42458	4.43195	62.25123	6.78378	0.0549927	0.21743199	2.7389688	21	10 14.0	19.7
356944 2012 TS_{315}	16.1	X	70.21736	306.19037	52.72029	7.44817	0.1653493	0.23623502	2.5916312	21	—	—
356945 2012 UN_{31}	15.9	X	331.41329	267.19825	53.13890	9.96282	0.0692538	0.19159989	2.9799287	21	7 12.5	19.8
356946 2012 UW_{69}	16.5	X	27.19424	10.50329	328.67021	6.06563	0.0635735	0.21538195	2.7563213	21	10 28.7	20.2
356947 2012 UO_{74}	17.7	X	224.97899	157.89468	167.57814	3.53824	0.1633098	0.28501686	2.2867693	21	2 18.2	21.2
356948 2012 VE_{5}	18.5	X	230.02352	237.53846	88.11915	2.36584	0.4112559	0.29653221	2.2271773	21	2 19.7	22.9
356949 2012 VU_{19}	17.6	X	41.93872	346.64551	147.40051	1.62936	0.1347434	0.25829829	2.4418652	21	2 8.1	19.7
356950 2012 VF_{75}	15.3	X	123.74110	268.51814	223.47838	15.21603	0.2124344	0.17723240	3.1388746	21	6 21.8	20.5
356951 2012 VS_{101}	17.6	X	69.69035	286.18942	215.68235	23.83895	0.1211122	0.38211533	1.8807875	21	3 9.8	19.3
356952 2012 WK_{9}	16.6	X	346.73323	347.88396	57.85716	5.84857	0.1160358	0.21910034	2.7250471	21	12 2.7	19.5
356953 2012 WV_{10}	15.6	X	210.16579	137.14639	271.32566	8.60158	0.0317418	0.17999274	3.1067005	21	6 1.6	20.1
356954 2012 WF_{23}	16.6	X	74.63181	51.56418	318.35168	3.03220	0.1658078	0.23976067	2.5661621	21	—	—
356955 2012 WT_{26}	16.3	X	67.78145	278.75669	78.88872	4.50592	0.2131763	0.23442587	2.6049478	21	—	—
356956 2012 WO_{27}	17.3	X	164.05348	348.31396	56.08646	3.41020	0.1859001	0.27661242	2.3328578	21	4 6.2	20.8
356957 2012 XP_{11}	15.8	X	111.43257	100.16101	24.16529	7.55758	0.0605415	0.17031902	3.2232497	21	5 13.0	20.5
356958 2012 XA_{25}	16.1	X	336.41446	339.63808	58.95752	10.15059	0.1667276	0.21627425	2.7487348	21	11 7.1	18.8
356959 2012 XT_{42}	16.8	X	68.78608	105.60473	288.83925	1.26119	0.1941902	0.24316317	2.5421677	21	—	—
356960 2012 XC_{47}	15.5	X	113.50010	75.56613	89.96623	13.42096	0.1047275	0.17630559	3.1498653	21	7 13.5	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
356961 2012 XM_{56}	18.0	X	83.06043	60.93439	84.79929	23.71727	0.0596336	0.39470349	1.8405830	21	4 27.5	20.2
356962 2012 XG_{120}	13.3	X	283.80832	17.67965	69.08743	5.66787	0.0283092	0.08278201	5.2140925	21	10 11.1	20.2
356963 2012 XM_{120}	16.1	X	197.27060	45.15567	91.43867	11.63909	0.0828231	0.18503687	3.0499815	21	9 8.8	20.9
356964 2012 XK_{133}	16.3	X	85.00075	314.02959	46.10210	5.18832	0.2420248	0.24105603	2.5569607	21	—	—
356965 2012 XJ_{136}	16.9	X	94.80165	348.91758	111.71300	7.30909	0.0552171	0.25988015	2.4319463	21	3 15.7	19.9
356966 2012 XM_{136}	17.1	X	206.56993	186.79330	111.57702	24.66898	0.0594137	0.35592129	1.9719690	21	—	—
356967 2012 XO_{136}	16.4	X	77.91590	201.48626	302.61427	11.56097	0.1308517	0.26299967	2.4126774	21	4 22.6	19.5
356968 2012 XP_{144}	15.9	X	217.64129	139.78388	293.85332	4.12915	0.1304307	0.17632399	3.1496462	21	7 5.5	20.7
356969 2012 XL_{151}	17.0	X	88.39004	111.43535	292.17627	2.45975	0.1544707	0.24494693	2.5298109	21	1 1.2	19.6
356970 1981 EG_{32}	16.5	X	299.62299	356.42180	193.06045	20.59078	0.2513257	0.21659347	2.7460334	21	—	—
356971 1991 TK_{2}	15.6	X	196.86201	139.09356	194.29038	12.43442	0.4814738	0.21585878	2.7522608	21	2 14.2	21.5
356972 1993 QH	18.2	X	5.09787	178.02380	139.21568	6.37871	0.1250957	0.28231672	2.3013269	21	9 13.3	20.2
356973 1994 CM_{7}	17.7	X	148.39551	302.32807	135.75707	4.72570	0.1137178	0.26088472	2.4256992	21	4 30.2	21.1
356974 1994 SG_{6}	16.3	X	109.67814	277.44675	16.62941	10.63773	0.1083107	0.18906173	3.0065398	21	12 12.3	21.1
356975 1994 TX_{1}	15.4	X	264.12705	65.76882	9.89397	17.43202	0.1065446	0.17822851	3.1271683	21	9 6.5	19.9
356976 1995 DU_{6}	17.2	X	279.16706	230.46953	352.62377	8.47820	0.2183302	0.22024115	2.7156288	21	—	—
356977 1995 SC_{63}	18.9	X	282.17886	44.93348	44.50164	3.79458	0.0535571	0.30569655	2.1824402	21	11 8.7	21.1
356978 1995 SM_{64}	17.0	X	316.69149	91.36647	308.54946	1.89174	0.1343740	0.18998677	2.9967728	21	9 26.7	20.5
356979 1995 TR_{11}	18.6	X	288.47579	78.16657	24.81789	4.93025	0.0431586	0.30698821	2.1763142	21	12 9.4	20.9
356980 1996 AH_{7}	15.9	X	197.16057	203.82836	314.62742	10.17867	0.0081881	0.18003493	3.1062151	21	9 29.9	20.5
356981 1996 RS_{8}	18.4	X	67.17490	71.33154	168.15822	5.33633	0.1854525	0.27565342	2.3382653	21	9 8.5	21.3
356982 1996 RG_{24}	17.1	X	275.46740	356.46304	352.07305	4.81352	0.2866506	0.26854188	2.3793667	21	4 25.8	20.9
356983 1997 EP_{26}	16.3	X	281.34583	83.79705	1.10231	5.00177	0.0490752	0.18385358	3.0630540	21	10 12.1	20.6
356984 1997 GA_{2}	16.7	X	204.96297	346.71012	188.79158	6.50152	0.1246234	0.18564060	3.0433653	21	10 26.6	21.3
356985 1997 SA	17.0	X	278.61186	118.87185	177.25576	12.99466	0.2729350	0.23633661	2.5908885	21	2 26.9	21.2
356986 1997 SA_{4}	16.9	X	44.17339	323.98330	14.14116	10.53000	0.2299677	0.29283014	2.2459092	21	—	—
356987 1997 UJ_{6}	13.2	X	335.75756	212.45251	214.77807	19.33626	0.1016128	0.08274303	5.2157302	21	11 13.9	19.6
356988 1998 BC_{31}	18.1	X	143.87441	344.80573	144.97890	1.52577	0.0673439	0.26907003	2.3762520	21	6 27.9	21.2
356989 1998 FN_{6}	17.4	X	48.22406	169.95658	25.98780	6.99987	0.0700454	0.26076452	2.4264446	21	5 15.9	20.3
356990 1998 KS_{10}	16.1	X	196.81291	17.97059	170.73863	11.19278	0.0684781	0.18955328	3.0013399	21	11 9.5	20.7
356991 1998 QA_{1}	18.9	X	196.31272	333.01079	299.01013	8.17217	0.5325521	0.32296097	2.1039529	21	—	—
356992 1998 QH_{29}	16.2	X	127.46319	226.12489	183.35144	13.15149	0.1598889	0.23791841	2.5793920	21	3 4.6	19.9
356993 1998 RY_{13}	15.8	X	87.83447	330.71653	328.33804	14.93920	0.1985650	0.18122402	3.0926128	21	12 3.2	20.9
356994 1998 RW_{56}	18.1	X	279.82756	194.64706	202.38437	2.81852	0.2331224	0.29601391	2.2297763	21	7 15.1	20.5
356995 1998 ST_{31}	16.8	X	231.36863	183.35640	167.22332	12.22607	0.1133929	0.24448689	2.5329833	21	4 5.9	20.7
356996 1998 SZ_{33}	15.1	X	32.63284	318.22737	1.16424	27.29530	0.2091037	0.17308696	3.1887942	21	10 16.7	19.4
356997 1998 SY_{94}	17.2	X	109.76557	330.96161	63.80607	3.70448	0.2459141	0.23195791	2.6233924	21	2 8.9	20.6
356998 1998 SD_{163}	14.8	X	97.77778	278.20343	30.63014	25.88088	0.2224198	0.17909318	3.1170948	21	12 23.9	20.4
356999 1998 TV_{18}	16.9	X	138.63485	357.60045	21.96406	4.59484	0.1797643	0.23363588	2.6108165	21	2 13.9	20.8
357000 1998 UO	16.8	X	117.02926	48.64546	1.23154	5.78606	0.1662480	0.23327427	2.6135140	21	2 25.4	20.2
357001 1998 UK_{14}	17.1	X	173.78022	279.92749	43.17112	13.08038	0.2827306	0.23255186	2.6189237	21	1 18.3	21.9
357002 1999 BS_{28}	16.7	X	0.46224	125.62717	317.65509	3.39172	0.0308545	0.21546341	2.7556266	21	—	—
357003 1999 CX_{142}	16.9	X	339.73847	336.33299	135.70683	2.16897	0.3095842	0.21664167	2.7456260	21	—	—
357004 1999 FU_{12}	17.2	X	67.52926	266.37616	19.58994	7.00311	0.1147346	0.28314360	2.2968443	21	11 1.3	20.2
357005 1999 HA_{2}	17.9	X	289.15157	344.39829	147.21484	15.20141	0.7018316	0.21204556	2.7851586	21	9 18.8	22.1
357006 1999 RW_{236}	16.8	X	84.19954	346.45014	63.61530	6.00842	0.2921152	0.24045270	2.5612361	21	1 28.3	19.3
357007 1999 TH_{61}	16.0	X	283.60245	33.16949	352.56338	9.64772	0.1559605	0.17348203	3.1839511	21	7 18.4	20.5
357008 1999 TJ_{74}	16.0	X	10.56169	313.20337	359.79515	9.19774	0.1607111	0.17800214	3.1298190	21	9 7.5	19.5
357009 1999 TG_{122}	17.1	X	91.77205	205.05513	182.50363	6.10179	0.3291903	0.23867017	2.5739728	21	1 14.3	19.9
357010 1999 TS_{161}	17.3	X	213.51875	184.34680	176.42020	4.24486	0.2465893	0.25219692	2.4810920	21	3 26.9	21.7
357011 1999 UB_{30}	15.9	X	315.70612	0.49508	29.50949	9.41777	0.0900061	0.17664712	3.1458041	21	9 19.1	20.0
357012 1999 VS_{13}	16.2	X	30.81347	45.83063	29.75764	32.09165	0.2871861	0.23339647	2.6126016	21	—	—
357013 1999 VL_{89}	17.1	X	244.21618	181.99779	171.03290	0.40615	0.2105064	0.25445780	2.4663737	21	4 12.4	21.1
357014 1999 VB_{93}	17.1	X	98.09149	16.41929	34.54428	7.39816	0.3182505	0.24155332	2.5534501	21	2 26.4	20.3
357015 1999 VH_{117}	15.6	X	174.26845	141.91346	23.97517	12.59439	0.0481150	0.17640768	3.1486500	21	9 19.4	20.3
357016 1999 VR_{130}	17.2	X	322.00932	259.48048	39.08938	6.71869	0.1292617	0.25675343	2.4516505	21	5 15.2	20.0
357017 1999 VK_{136}	17.1	X	40.09331	78.86584	53.92769	14.26953	0.1425658	0.24077601	2.5589428	21	2 15.5	20.0
357018 1999 VK_{163}	16.1	X	254.62097	322.76981	27.04419	5.40811	0.1475948	0.25502884	2.4626906	21	4 23.3	19.8
357019 1999 WH_{16}	17.8	X	100.95839	201.10135	220.29899	3.45109	0.1778377	0.24169716	2.5524369	21	2 16.6	20.9
357020 1999 XU_{30}	16.4	X	131.02805	314.35901	102.62756	14.03388	0.1341458	0.24292142	2.5438540	21	3 22.9	20.3
357021 1999 XT_{224}	16.7	X	64.59930	120.65002	285.81859	12.30066	0.1810455	0.23168401	2.6254596	21	—	—
357022 1999 YG_{3}	19.0	X	226.29540	250.22457	293.27505	34.51760	0.3296231	0.67690223	1.2846518	21	—	—
357023 1999 YZ_{3}	16.2	X	10.44427	75.00321	48.69673	28.58654	0.3700341	0.23164674	2.6257412	21	—	—
357024 1999 YR_{14}	19.4	X	88.46678	9.66040	2.98893	3.72677	0.4000098	0.46440170	1.6514808	21	—	—
357025 2000 DR_{59}	16.7	X	56.51526	304.08994	166.00739	11.53322	0.0863590	0.23227111	2.6210336	21	2 2.9	19.9
357026 2000 DV_{82}	16.4	X	39.65130	114.63970	19.40547	5.21568	0.2135884	0.23458164	2.6037945	21	2 15.3	18.5
357027 2000 EU_{9}	16.8	X	321.19417	36.51479	167.96211	14.94669	0.0993616	0.23021374	2.6366261	21	1 13.8	20.6
357028 2000 EJ_{26}	19.4	X	340.15688	285.91574	10.48660	9.22806	0.6148069	0.60619885	1.3826937	21	2 12.4*	21.5
357029 2000 EK_{131}	17.8	X	42.78344	35.00571	175.50711	23.03857	0.0810397	0.37941767	1.8896920	21	5 26.8	19.9
357030 2000 EX_{152}	16.8	X	354.40149	170.82162	359.13350	12.71648	0.2185285	0.23009655	2.6375213	21	1 1.6	20.0
357031 2000 FG_{6}	16.8	X	77.74545	34.11217	17.10422	14.74045	0.0159239	0.22312078	2.6922127	21	—	—
357032 2000 HT_{18}	16.9	X	311.06108	68.28080	75.60788	3.65404	0.0380260	0.21805603	2.7337407	21	—	—
357033 2000 HN_{47}	16.2	X	288.61329	172.07301	49.32470	12.52065	0.1273457	0.22356305	2.6886609	21	—	—
357034 2000 KR_{66}	17.1	X	89.30009	26.97657	137.30763	22.37453	0.0522789	0.37503683	1.9043792	21	6 2.3	19.5
357035 2000 LD_{15}	17.8	X	17.08618	144.93280	154.21350	4.96600	0.3007783	0.28442521	2.2899394	21	10 9.5	19.4
357036 2000 LL_{22}	16.9	X	235.30576	69.80947	194.87072	8.81600	0.1774942	0.21936475	2.7228569	21	—	—
357037 2000 NU_{23}	17.1	X	266.40424	38.20197	308.05046	8.56578	0.3424196	0.27227127	2.3575894	21	4 6.9	21.2
357038 2000 QH_{13}	16.9	X	11.63892	346.25928	325.62449	9.59390	0.2153129	0.28371087	2.2937816	21	9 24.5	18.7
357039 2000 QS_{70}	17.1	X	133.07392	234.20067	155.71086	23.81488	0.1196395	0.35387846	1.9795507	21	1 16.3	19.4
357040 2000 QK_{87}	16.9	X	13.41683	356.57528	314.06467	5.88295	0.1858377	0.28302173	2.2975036	21	9 22.9	19.0

* The additional opposition: 12 8.8, $V = 20.3$

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
357041 2000 QH_{175}	17.3	X	28.45100	80.63869	245.26951	2.25902	0.1723928	0.28648398	2.2789554	21	11 13.9	19.5
357042 2000 RB_{25}	17.3	X	16.82864	21.79305	307.76820	5.55719	0.1907794	0.28428017	2.2907182	21	10 30.9	19.6
357043 2000 RE_{90}	17.5	X	329.37139	1.56924	327.37990	5.32884	0.1954906	0.27819193	2.3240191	21	7 7.9	19.2
357044 2000 SS_{33}	16.9	X	33.36637	285.30286	18.65703	7.16153	0.1229581	0.28300871	2.2975740	21	10 11.9	19.4
357045 2000 SG_{58}	17.4	X	54.25903	108.31038	185.63035	4.63786	0.1634196	0.28498705	2.2869287	21	11 4.9	20.1
357046 2000 SW_{79}	17.7	X	11.29777	174.66404	153.64515	3.32213	0.1945408	0.28276207	2.2989099	21	10 23.3	19.6
357047 2000 SH_{180}	16.3	X	311.30950	50.72414	307.64529	12.58039	0.2840103	0.18193058	3.0846004	21	7 1.5	20.0
357048 2000 SC_{193}	17.3	X	202.94744	134.75936	218.61804	5.08033	0.3076531	0.26216374	2.4178033	21	3 7.9	21.7
357049 2000 SO_{248}	17.1	X	344.67320	311.50754	30.22151	7.37232	0.1432704	0.28047826	2.3113723	21	9 12.6	19.0
357050 2000 UJ_{13}	15.5	X	79.11299	86.47830	236.00578	10.39930	0.0920474	0.19345202	2.9608781	21	12 14.5	19.8
357051 2000 WW_{10}	16.2	X	337.37264	74.51991	101.47394	8.52982	0.1302718	0.24476313	2.5310771	21	—	—
357052 2000 WV_{17}	17.5	X	177.91827	343.31902	61.42631	5.32211	0.2421840	0.26119509	2.4237773	21	4 22.6	21.6
357053 2000 WF_{36}	16.5	X	293.97567	298.67439	110.03661	7.99957	0.3142637	0.22837225	2.6507809	21	8 7.9	19.5
357054 2000 WV_{155}	17.0	X	175.09249	7.75703	28.46038	9.80097	0.1950351	0.26029478	2.4293630	21	4 7.8	20.8
357055 2000 YJ_{73}	16.6	X	97.66134	18.65058	106.79712	12.80204	0.1973024	0.25650474	2.4532348	21	5 17.2	20.0
357056 2001 MN_{16}	16.4	X	253.47011	339.45929	311.53547	5.33671	0.2146618	0.23148902	2.6269337	21	2 5.9	20.6
357057 2001 MR_{28}	16.4	X	289.11501	336.37748	280.05263	10.97982	0.1677613	0.23289550	2.6163468	21	1 30.1	20.3
357058 2001 OG_{25}	20.1	X	208.02132	142.61727	153.66138	10.69260	0.2493350	0.57231029	1.4367516	21	—	—
357059 2001 OJ_{37}	16.4	X	168.61553	259.72341	52.78684	8.77668	0.2607632	0.22086758	2.7104916	21	—	—
357060 2001 OC_{99}	16.5	X	263.79424	255.46263	133.86031	21.64086	0.2846561	0.28958219	2.2626714	21	6 12.5	20.3
357061 2001 PH_{44}	17.3	X	65.91712	10.70021	306.85028	4.06108	0.2158366	0.30591492	2.1814015	21	12 27.9	20.5
357062 2001 PE_{55}	17.6	X	290.28926	38.36148	334.72724	5.64793	0.1777000	0.29293246	2.2453862	21	7 6.3	20.0
357063 2001 PO_{59}	17.6	X	347.67394	1.41121	335.37343	6.34255	0.3036493	0.29523496	2.2336967	21	9 17.6	17.8
357064 2001 QY_{32}	17.7	X	319.80515	10.71390	304.01974	19.76072	0.0205592	0.38867939	1.8595522	21	6 19.8	19.5
357065 2001 QS_{33}	17.0	X	292.18356	94.33009	172.96510	27.82233	0.3624817	0.23316977	2.6142948	21	1 26.8	21.8
357066 2001 QK_{46}	16.0	X	200.81243	6.61783	318.21265	13.39591	0.0799916	0.22584077	2.6705527	21	2 2.6	20.0
357067 2001 QN_{69}	16.2	X	199.89123	1.46468	309.61589	7.82079	0.2832687	0.22347063	2.6894021	21	1 21.7	21.1
357068 2001 QY_{89}	16.3	X	265.14226	22.51775	268.49587	10.94151	0.3433368	0.23023574	2.6364582	21	2 4.1	21.3
357069 2001 QX_{150}	17.3	X	183.74165	146.65096	227.84770	19.02413	0.0988846	0.37645594	1.8995903	21	2 16.6	20.1
357070 2001 QH_{172}	17.9	X	356.58294	91.82883	266.53288	5.05156	0.1804830	0.29959811	2.2119569	21	11 8.8	19.6
357071 2001 QC_{240}	16.6	X	163.76914	146.17464	165.91600	8.64612	0.1973043	0.21822098	2.7323629	21	—	—
357072 2001 RG_{11}	17.2	X	51.82021	175.84952	182.08474	5.69553	0.2282527	0.30525441	2.1845471	21	—	—
357073 2001 RK_{20}	16.4	X	256.78599	112.72199	161.72196	13.54579	0.1653051	0.22749793	2.6575682	21	1 22.6	20.8
357074 2001 RA_{43}	16.5	X	270.68699	93.61066	217.33469	10.27572	0.2447603	0.23328962	2.6133993	21	3 11.0	20.8
357075 2001 RQ_{53}	16.7	X	185.74660	1.11263	295.30326	3.34846	0.1005652	0.21800409	2.7341748	21	—	—
357076 2001 RU_{84}	18.0	X	63.65760	130.77987	192.02141	6.46926	0.1776730	0.30497679	2.1858727	21	12 27.8	21.1
357077 2001 RL_{110}	15.7	X	275.59896	7.77082	359.44608	8.98325	0.0466035	0.19019805	2.9945530	21	6 28.6	20.0
357078 2001 RL_{117}	17.2	X	74.64402	16.28878	355.15565	3.86821	0.2132442	0.21092918	2.7949772	21	—	—
357079 2001 RS_{138}	16.9	X	224.11520	289.60636	359.81732	8.03876	0.1398781	0.22326689	2.6910380	21	1 15.9	21.4
357080 2001 SE_{6}	17.2	X	179.84511	96.08096	185.42169	4.66805	0.0828766	0.21589669	2.7519385	21	—	—
357081 2001 SG_{37}	17.6	X	94.41418	244.63239	183.94286	21.76967	0.1114139	0.36840983	1.9271488	21	—	—
357082 2001 SB_{41}	17.5	X	293.13315	3.55501	28.83907	7.28151	0.2041343	0.29145101	2.2529887	21	8 8.3	19.8
357083 2001 SH_{56}	16.6	X	198.96262	278.24427	49.01484	8.52231	0.3023697	0.22305456	2.6927455	21	2 11.7	21.7
357084 2001 SO_{174}	16.4	X	202.08736	284.19183	22.69067	11.59572	0.2167942	0.22182852	2.7026582	21	1 19.9	21.2
357085 2001 SM_{207}	18.1	X	82.75734	113.43407	180.57611	5.56907	0.1613813	0.30342089	2.1933388	21	12 9.5	21.3
357086 2001 SA_{228}	16.3	X	152.87347	312.57412	16.83578	6.50843	0.0586715	0.21492914	2.7601913	21	—	—
357087 2001 SN_{237}	16.5	X	90.68102	230.31694	132.77809	2.84733	0.1079239	0.21131700	2.7915566	21	—	—
357088 2001 SQ_{253}	16.6	X	338.27612	226.78559	188.82026	12.11552	0.2107631	0.19881421	2.9073976	21	12 1.5	19.6
357089 2001 SX_{273}	16.8	X	182.46898	280.06300	13.32712	4.61710	0.0512041	0.21420157	2.7664381	21	—	—
357090 2001 SF_{299}	16.5	X	0.72437	53.17436	351.67243	14.75945	0.1515078	0.20421746	2.8558856	21	12 25.8	20.1
357091 2001 ST_{299}	17.3	X	113.04902	118.00870	221.49281	2.84150	0.1018084	0.21274277	2.7790702	21	—	—
357092 2001 SG_{320}	17.6	X	213.91531	58.03926	34.27166	4.95648	0.1790851	0.28773461	2.2723470	21	7 25.0	21.0
357093 2001 SD_{356}	16.8	X	136.97624	227.95222	80.41078	3.75124	0.1758914	0.21261701	2.7801659	21	—	—
357094 2001 TM	17.4	X	283.74590	6.96044	26.80198	7.46649	0.3289483	0.29121618	2.2541996	21	7 1.1	20.4
357095 2001 TD_{13}	17.6	X	42.07914	196.17518	26.96936	21.10273	0.0402301	0.38391329	1.8749108	21	5 31.5	19.5
357096 2001 TR_{18}	18.2	X	217.38787	12.06171	64.25174	4.97781	0.2475497	0.28441595	2.2899891	21	7 1.4	22.0
357097 2001 TL_{85}	17.5	X	54.83010	0.50495	335.08067	6.64633	0.1495343	0.30298814	2.1954268	21	—	—
357098 2001 TN_{111}	17.6	X	304.20374	1.49433	9.65686	6.73586	0.2051348	0.29032487	2.2588110	21	7 24.5	19.8
357099 2001 TG_{135}	17.6	X	268.60733	86.95226	316.26333	8.14397	0.1697869	0.28950571	2.2630699	21	7 20.6	20.3
357100 2001 TM_{143}	16.7	X	131.92064	253.38387	102.58029	3.77234	0.0789848	0.21554089	2.7549662	21	—	—
357101 2001 TK_{156}	18.1	X	255.34778	32.82924	18.65639	3.45459	0.1525698	0.28840989	2.2687986	21	7 17.4	21.0
357102 2001 TR_{171}	15.9	X	346.21864	318.81055	84.85058	13.69846	0.1581595	0.19873366	2.9081832	21	11 28.6	19.1
357103 2001 TP_{208}	18.1	X	272.24941	26.20286	21.01315	1.91167	0.1819388	0.28942299	2.2635010	21	7 29.3	20.7
357104 2001 TX_{213}	17.8	X	330.14283	31.19534	320.89089	7.76560	0.1568018	0.29233628	2.2484379	21	8 23.4	19.5
357105 2001 TS_{224}	16.1	X	210.94990	271.61850	46.74410	13.38032	0.2931088	0.22562830	2.6722290	21	2 10.9	21.2
357106 2001 TW_{257}	16.2	X	278.88835	35.90246	163.47386	10.08440	0.0668644	0.21398135	2.7683357	21	—	—
357107 2001 UG_{8}	17.0	X	227.29356	34.56899	50.71285	5.99944	0.1993389	0.28687035	2.2769086	21	7 27.7	20.4
357108 2001 UQ_{77}	17.4	X	235.48709	26.64354	48.82769	3.69162	0.1468566	0.28702639	2.2760834	21	7 27.9	20.5
357109 2001 UN_{86}	17.9	X	228.74099	200.69593	236.65521	1.82021	0.1364115	0.28754540	2.2733437	21	7 22.2	21.1
357110 2001 UE_{99}	16.2	X	110.60958	279.01150	50.94518	10.13024	0.1599595	0.20870404	2.8148082	21	—	—
357111 2001 UK_{129}	17.9	X	272.29924	218.32490	180.13388	5.78886	0.1614519	0.28938831	2.2636819	21	7 17.8	20.6
357112 2001 VB_{9}	17.6	X	254.74463	16.25171	18.96051	1.60562	0.2369314	0.28453303	2.2893609	21	6 12.3	21.0
357113 2001 VY_{22}	17.3	X	310.80658	337.55534	42.55009	6.62733	0.1306363	0.29034942	2.2586836	21	9 5.3	19.3
357114 2001 VA_{85}	16.2	X	327.56546	15.49340	54.74603	10.49512	0.0717330	0.19926117	2.9030483	21	11 28.2	19.8
357115 2001 VT_{109}	17.9	X	285.67953	115.91674	259.42690	2.84972	0.2196815	0.28749924	2.2735870	21	6 24.2	20.7
357116 Attivissimo	16.6	X	301.45369	217.62695	202.13155	6.77083	0.2328007	0.19201463	2.9756362	21	9 13.2	19.9
357117 2001 WG_{23}	16.3	X	225.47798	53.31597	20.21815	24.86471	0.4855692	0.18157374	3.0886405	21	6 20.4	22.7
357118 2001 WU_{60}	16.0	X	358.03900	274.85709	52.75037	12.32972	0.1057504	0.18989884	2.9976978	21	9 8.8	19.8
357119 2001 WC_{73}	18.1	X	198.46677	25.03823	92.15817	3.26998	0.1651814	0.28514952	2.2860600	21	8 12.3	21.6
357120 2001 WU_{99}	18.1	X	202.63922	2.68704	86.30302	6.05213	0.1672938	0.28205297	2.3027613	21	7 8.6	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
357121 2001 XK_4	17.4	X	263.76955	252.43498	73.12962	24.36625	0.0562307	0.37549805	1.9028195	21	4 14.9	20.1
357122 2001 XM_{95}	17.2	X	150.72250	75.47938	71.71772	5.56153	0.1511974	0.28065856	2.3103823	21	8 5.8	20.7
357123 2001 XR_{216}	17.2	X	233.78123	335.82949	81.65963	6.23228	0.1435676	0.28188960	2.3036510	21	6 30.1	20.4
357124 2001 XM_{236}	17.7	X	246.78173	352.35893	16.81595	2.76819	0.2029985	0.27958017	2.3163196	21	5 3.7	21.3
357125 2001 XL_{244}	17.7	X	241.48020	81.73793	315.93031	2.30416	0.2340466	0.28306344	2.2972779	21	6 2.6	21.4
357126 2001 XR_{246}	17.4	X	299.32625	70.31620	279.57445	4.75275	0.2794029	0.28614623	2.2807483	21	5 26.6	19.9
357127 2001 XM_{248}	16.6	X	249.53969	325.01254	104.45659	6.55601	0.2710983	0.18271509	3.0757646	21	7 18.5	21.5
357128 2001 XP_{262}	17.9	X	214.49901	280.44724	161.02090	1.90939	0.1615162	0.28334289	2.2957671	21	7 10.3	21.3
357129 2001 XU_{266}	17.4	X	210.98658	241.51690	163.86685	22.59687	0.3622767	0.28582192	2.2824732	21	5 18.9	22.2
357130 2001 YL_{66}	17.3	X	218.13155	0.85700	76.26510	4.67219	0.1784887	0.28097133	2.3086675	21	7 7.5	20.7
357131 2001 YC_{152}	15.8	X	304.01500	4.92185	63.07962	15.64055	0.1440932	0.19061088	2.9902277	21	10 19.8	19.6
357132 2002 AQ_{21}	17.5	X	173.46264	265.94959	117.21786	25.43520	0.0805886	0.36632744	1.9344451	21	3 2.6	20.1
357133 2002 AU_{103}	17.6	X	140.86288	23.05737	109.68264	4.84302	0.1675298	0.27483036	2.3429314	21	7 6.4	20.9
357134 2002 AD_{105}	18.0	X	150.38541	156.86317	312.25858	2.06466	0.1345057	0.27344588	2.3508331	21	6 12.1	21.5
357135 2002 AJ_{120}	16.9	X	241.44938	274.93293	119.89574	7.57291	0.2060705	0.27744971	2.3281620	21	6 3.0	20.6
357136 2002 AC_{130}	16.8	X	128.69972	193.49311	339.92018	24.15273	0.2050829	0.27724518	2.3293069	21	8 23.9	20.6
357137 2002 AP_{133}	17.3	X	186.23211	59.27819	99.71345	21.71058	0.2429307	0.28514564	2.2860807	21	10 1.0	21.6
357138 2002 AU_{145}	16.9	X	241.89105	341.25624	129.70880	5.13514	0.1540491	0.18528135	3.0472979	21	9 14.2	21.4
357139 2002 AP_{149}	15.9	X	275.84019	345.26620	115.35926	11.83334	0.1112795	0.18918217	3.0052636	21	10 23.3	20.1
357140 2002 AH_{162}	15.5	X	220.38098	193.84422	312.51454	15.87718	0.1149522	0.18473064	3.0533512	21	9 28.7	20.5
357141 2002 AP_{179}	17.2	X	208.33566	308.64364	125.24867	6.26951	0.2262685	0.27681094	2.3317423	21	6 21.6	21.1
357142 2002 AE_{193}	18.0	X	217.24740	325.43717	104.88993	4.85312	0.1699392	0.27916645	2.3186075	21	6 27.8	21.4
357143 2002 AV_{203}	17.2	X	16.21137	157.81956	129.29424	7.29601	0.1143134	0.27623306	2.3349932	21	8 14.8	19.2
357144 2002 AF_{209}	16.6	X	260.85367	323.01800	159.87664	10.22971	0.0747201	0.18770909	3.0209660	21	11 2.9	20.9
357145 2002 AR_{209}	17.9	X	216.84254	298.61766	106.85858	2.41149	0.1663021	0.27492742	2.3423800	21	5 25.9	21.6
357146 2002 BU_{12}	17.4	X	99.97693	227.48363	322.05341	3.61646	0.1131840	0.27408209	2.3471938	21	8 1.4	20.5
357147 2002 CS	18.0	X	91.56178	304.97617	153.87963	12.41642	0.1760431	0.36501132	1.9390923	21	3 3.5	18.9
357148 2002 CZ	16.9	X	52.25634	345.48565	234.24964	6.05619	0.0793432	0.27208140	2.3586861	21	6 29.4	19.5
357149 2002 CB_3	17.4	X	150.15959	81.26286	44.59361	4.16756	0.1755197	0.27386233	2.3484493	21	7 7.4	21.0
357150 2002 CW_6	16.7	X	235.82899	63.71580	7.12155	22.71786	0.4501120	0.18246536	3.0785704	21	6 27.7	22.9
357151 2002 CG_9	15.7	X	345.72058	44.31515	326.26962	15.33147	0.0875630	0.18375932	3.0641014	21	9 30.0	19.8
357152 2002 CO_{15}	17.3	X	49.24164	240.89622	168.48669	31.31608	0.3068383	0.35321503	1.9820287	21	—	—
357153 2002 CO_{23}	16.9	X	226.89431	180.80734	206.62496	5.01465	0.3414779	0.27808862	2.3245946	21	5 4.0	21.2
357154 2002 CZ_{29}	16.1	X	262.28545	78.28709	34.44736	7.20342	0.1607692	0.18755411	3.0226301	21	10 9.1	20.3
357155 2002 CE_{31}	15.4	X	206.39592	213.39539	349.35054	12.04120	0.0659982	0.19067352	2.9895727	21	12 2.2	20.0
357156 2002 CR_{53}	15.3	X	176.79401	263.23613	328.21684	19.92324	0.1796612	0.18618302	3.0374514	21	11 27.8	20.7
357157 2002 CM_{85}	16.4	X	188.93199	83.71991	79.67769	2.62037	0.1640725	0.18245289	3.0787107	21	9 25.2	21.3
357158 2002 CR_{98}	15.8	X	280.56090	104.14037	345.09678	8.47160	0.1711185	0.18481022	3.0524747	21	9 28.1	19.8
357159 2002 CA_{111}	16.8	X	35.25898	194.91019	355.30005	7.58022	0.1125730	0.26246200	2.4159713	21	4 16.6	19.1
357160 2002 CY_{127}	16.7	X	218.97749	347.34075	141.58850	9.33080	0.2511399	0.18233869	3.0799961	21	9 4.7	21.8
357161 2002 CO_{160}	16.7	X	141.13647	74.36941	93.41820	7.92265	0.1431053	0.27787479	2.3257871	21	8 24.3	20.3
357162 2002 CP_{200}	16.3	X	200.34126	64.22974	134.04376	11.15592	0.1963076	0.18684787	3.0302418	21	11 15.6	21.4
357163 2002 CA_{202}	16.5	X	247.21511	355.44849	130.22660	10.10852	0.0698357	0.18524388	3.0477088	21	10 22.2	21.0
357164 2002 CW_{202}	15.6	X	258.45867	318.48933	143.34167	13.19788	0.0644208	0.18338746	3.0682421	21	10 6.8	20.0
357165 2002 CK_{250}	16.7	X	255.35755	335.14131	102.32733	2.28797	0.1541522	0.17918323	3.1160504	21	8 17.2	21.2
357166 2002 CV_{255}	17.7	X	1.59865	234.13892	319.25374	17.19371	0.0826364	0.36129982	1.9523494	21	2 1.3	19.2
357167 2002 CC_{265}	16.4	X	216.28794	223.08747	323.53669	4.28362	0.0913653	0.18918719	3.0052105	21	11 22.1	20.8
357168 2002 CJ_{267}	16.6	X	132.94621	71.30199	125.13191	0.39348	0.1166077	0.17744858	3.1363248	21	9 11.2	21.5
357169 2002 CG_{288}	17.0	X	247.84338	87.11810	321.39361	5.69900	0.0459920	0.27834066	2.3231911	21	7 18.5	19.8
357170 2002 CT_{309}	17.3	X	144.30973	300.12794	206.26720	4.05368	0.1662034	0.27533634	2.3400602	21	7 26.8	20.9
357171 2002 CP_{311}	17.7	X	169.56887	332.66402	169.80789	6.37840	0.0700660	0.27696659	2.3308686	21	8 15.5	20.8
357172 2002 DK_3	15.5	X	229.83886	120.94481	3.27683	22.79831	0.1570306	0.18044338	3.1015259	21	9 18.5	20.3
357173 2002 DW_{16}	17.8	X	35.16893	182.65388	8.06162	19.58316	0.0564191	0.36610134	1.9352415	21	3 30.9	19.0
357174 2002 ES_9	17.7	X	88.08096	271.17319	175.10533	22.74284	0.1401821	0.36028250	1.9560229	21	1 23.1	19.6
357175 2002 EC_{17}	18.1	X	45.76019	64.65866	173.36223	2.16967	0.1794482	0.26982695	2.3718060	21	8 1.9	20.5
357176 2002 EC_{23}	18.4	X	113.36467	174.58478	6.93664	1.21396	0.1239031	0.27304916	2.3531096	21	8 8.1	21.5
357177 2002 EQ_{34}	17.6	X	149.39171	51.30094	73.93188	5.56209	0.1761058	0.27203090	2.3589780	21	7 5.6	21.2
357178 2002 EV_{59}	16.2	X	215.94480	9.34120	169.55146	11.43279	0.1921516	0.18610921	3.0382545	21	11 6.2	21.1
357179 2002 ED_{70}	15.8	X	173.98992	200.24259	359.52905	9.98537	0.1266442	0.18087276	3.0966154	21	10 21.6	20.9
357180 2002 EY_{77}	17.7	X	7.68956	30.94871	193.52024	6.79545	0.1173813	0.26019926	2.4299575	21	4 19.7	19.9
357181 2002 EK_{95}	17.6	X	88.95465	310.13454	165.88406	5.87073	0.1451986	0.26168703	2.4207387	21	4 9.7	20.3
357182 2002 EX_{97}	16.4	X	61.47301	190.50627	17.80506	11.61136	0.1639593	0.26711603	2.3878264	21	7 15.4	19.4
357183 2002 ET_{102}	13.7	X	304.13801	289.37369	162.47013	10.72925	0.0448261	0.08545411	5.1048236	21	11 7.9	20.4
357184 2002 EK_{104}	17.9	X	38.95807	128.89977	15.64504	20.05603	0.0747449	0.35929467	1.9596065	21	2 1.7	20.1
357185 2002 ET_{109}	16.2	X	138.48562	229.82801	3.50417	9.64571	0.2387191	0.17915701	3.1163544	21	10 31.6	21.7
357186 2002 EZ_{111}	17.5	X	50.74749	220.37546	45.96247	2.05806	0.1781954	0.27317299	2.3523984	21	9 23.2	20.0
357187 2002 EO_{112}	17.7	X	80.36293	81.40629	139.18051	2.69370	0.1576700	0.27170266	2.3608775	21	8 26.1	20.6
357188 2002 EW_{116}	17.4	X	155.30760	316.22549	123.26892	3.09053	0.0839054	0.26575025	2.3960006	21	5 6.2	20.6
357189 2002 ER_{142}	17.5	X	62.44390	152.67126	101.48482	1.35479	0.1865694	0.27309439	2.3528498	21	9 23.6	20.3
357190 2002 ET_{150}	17.7	X	89.70177	55.10850	143.45988	1.72726	0.1274912	0.27003303	2.3705991	21	8 2.2	20.8
357191 2002 EK_{155}	15.6	X	138.43369	239.15605	7.74915	16.52004	0.2078416	0.18101917	3.0949455	21	11 12.7	21.0
357192 2002 EE_{163}	17.8	X	57.69123	93.30567	139.87627	5.46543	0.1882309	0.26947075	2.3738957	21	8 17.0	20.3
357193 2002 FM_{13}	17.0	X	160.64505	87.36613	34.12147	6.33256	0.1815969	0.27170378	2.3608710	21	7 12.5	20.8
357194 2002 FU_{22}	16.9	X	46.29838	170.19897	59.76592	12.51416	0.2114749	0.26680795	2.3896642	21	7 31.8	19.6
357195 2002 FM_{32}	15.8	X	223.56879	20.36732	127.59353	15.90146	0.1207144	0.18365775	3.0652310	21	10 18.3	20.7
357196 2002 FN_{32}	15.3	X	175.41276	51.10660	116.45968	14.55578	0.1369211	0.17881300	3.1203501	21	9 22.7	20.5
357197 2002 FD_{35}	15.4	X	189.52875	164.91444	11.26640	12.94672	0.1674022	0.17978823	3.1090560	21	10 8.5	20.5
357198 2002 FV_{40}	15.9	X	163.71123	136.12004	54.71620	12.18952	0.2238493	0.17804128	3.1293604	21	10 8.9	21.4
357199 2002 FZ_{40}	15.5	X	115.07774	83.27846	175.12493	24.45536	0.2449352	0.17531320	3.1617412	21	11 17.3	21.2
357200 2002 GU_5	15.4	X	99.87064	223.90705	39.17689	28.16995	0.1758987	0.17448570	3.1717296	21	11 1.7	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
357201 2002 GX_5	16.8	X	130.96033	333.78303	159.30124	10.42624	0.2391514	0.26822236	2.3812559	21	7 2.3	20.8
357202 2002 GG_{34}	17.6	X	93.64995	88.81082	70.05956	5.71631	0.1568073	0.26649691	2.3915232	21	6 16.4	20.5
357203 2002 GA_{38}	17.4	X	68.74955	4.32260	206.21386	2.87053	0.1507281	0.26658262	2.3910106	21	7 23.9	20.3
357204 2002 GE_{38}	15.2	X	112.73182	229.85661	36.44338	14.53270	0.2565919	0.17575434	3.1564483	21	11 19.7	20.7
357205 2002 GB_{43}	16.9	X	84.15572	262.33022	293.15626	6.25736	0.1530916	0.26839152	2.3802552	21	7 25.0	19.7
357206 2002 GW_{68}	15.6	X	139.12719	215.96948	22.45623	13.45618	0.1000445	0.17897233	3.1184979	21	11 3.1	20.4
357207 2002 GZ_{71}	17.2	X	71.35681	155.50095	45.15947	4.14769	0.1747941	0.26692994	2.3889361	21	7 19.4	20.0
357208 2002 GJ_{103}	14.9	X	90.43060	295.89795	22.79405	26.08145	0.3854722	0.17662471	3.1460702	21	—	—
357209 2002 GK_{112}	15.0	X	111.74237	48.62213	196.63451	25.10512	0.1548025	0.17348223	3.1839487	21	10 22.0	20.1
357210 2002 GQ_{113}	17.3	X	57.87590	63.04168	168.50443	10.78283	0.1924178	0.26808538	2.3820670	21	8 13.6	20.2
357211 2002 GU_{133}	17.0	X	141.02746	133.37228	5.54456	4.43882	0.0992098	0.26831317	2.3807186	21	7 10.7	20.4
357212 2002 GV_{143}	15.7	X	189.56329	294.21248	217.75374	20.62819	0.2804363	0.17542532	3.1603938	21	9 1.0	21.7
357213 2002 GX_{147}	15.8	X	152.71870	181.24843	14.31656	10.84348	0.1525726	0.17729674	3.1381152	21	9 30.8	20.9
357214 2002 GC_{173}	17.0	X	16.10593	258.93703	23.16247	5.11873	0.2183595	0.26714460	2.3876562	21	8 21.2	18.8
357215 2002 GH_{183}	17.0	X	75.85410	218.46504	30.45375	7.10755	0.0893684	0.27252525	2.3561244	21	9 21.0	20.0
357216 2002 GD_{185}	16.4	X	137.10993	145.56487	49.89916	1.57235	0.0950391	0.17228230	3.1987154	21	9 13.2	21.2
357217 2002 GY_{186}	17.7	X	359.56199	144.44279	111.98151	2.47709	0.1660766	0.26207485	2.4183500	21	5 20.5	19.6
357218 2002 GK_{190}	17.8	X	57.64723	345.75802	245.73422	4.12996	0.1879474	0.26652686	2.3913440	21	8 12.1	20.6
357219 2002 GP_{190}	16.0	X	115.09091	0.84397	224.42475	6.09069	0.0948991	0.17209646	3.2010178	21	9 23.6	20.8
357220 2002 HP_8	15.6	X	93.77355	47.19776	199.45336	12.49357	0.0202832	0.17189181	3.2035581	21	9 16.5	20.2
357221 2002 HK_{10}	15.7	X	122.05822	54.59425	184.09175	27.13712	0.1755777	0.17417522	3.1754977	21	10 26.3	21.0
357222 2002 JY_5	15.7	X	126.80402	75.51459	160.04664	14.95034	0.1254008	0.17457510	3.1706467	21	10 25.7	20.8
357223 2002 JV_7	15.7	X	153.36823	132.24038	83.88412	17.90311	0.1485174	0.17658421	3.1465512	21	10 31.7	21.1
357224 2002 JN_{23}	16.9	X	57.47392	31.93452	190.90066	5.81342	0.1227499	0.26554154	2.3972559	21	7 18.9	19.7
357225 2002 JV_{56}	15.7	X	140.19189	206.03963	43.39935	13.11999	0.1443030	0.17736611	3.1372969	21	11 18.9	20.8
357226 2002 JJ_{60}	16.0	X	168.87284	156.91766	58.98864	11.02028	0.2307714	0.17789201	3.1311107	21	11 6.7	21.4
357227 2002 JC_{92}	17.3	X	2.92217	221.11491	46.57922	1.93557	0.1534057	0.26169643	2.4206808	21	6 16.0	19.1
357228 2002 JO_{92}	17.0	X	312.19072	3.11733	308.98979	1.75716	0.2397372	0.25823238	2.4422807	21	4 29.6	19.7
357229 2002 JF_{108}	15.4	X	127.68235	157.06317	110.88450	17.96400	0.1758002	0.17892153	3.1190881	21	12 5.2	20.7
357230 2002 JO_{123}	15.7	X	168.26269	118.63424	58.62967	27.79707	0.2159460	0.17508347	3.1645062	21	10 7.5	21.5
357231 2002 JE_{126}	17.0	X	57.45384	162.16214	61.05557	11.92023	0.1899064	0.26593873	2.3948684	21	8 6.2	20.0
357232 2002 JB_{127}	15.2	X	142.91727	49.88375	206.54192	21.82768	0.1917609	0.17767744	3.1336310	21	12 1.6	20.7
357233 2002 JQ_{150}	17.6	X	352.60464	80.91817	189.08513	5.79574	0.2553878	0.25906644	2.4370360	21	5 18.2	19.1
357234 2002 JA_{151}	17.5	X	335.51895	209.39426	56.94484	2.35648	0.1645575	0.25722400	2.4486594	21	4 16.6	19.8
357235 2002 KC_1	16.9	X	336.06859	161.47676	138.53556	17.32459	0.2355558	0.26005238	2.4308724	21	6 2.6	19.5
357236 2002 KX_3	15.9	X	150.35998	105.64689	140.20773	25.71604	0.3014266	0.17677460	3.1442916	21	12 1.9	22.0
357237 2002 LV_{53}	15.1	X	156.19019	67.94267	115.95906	14.54582	0.0539391	0.16921119	3.2373029	21	9 22.3	20.1
357238 2002 LZ_{56}	17.6	X	319.89765	109.45536	162.96348	7.99668	0.2128464	0.25447864	2.4662390	21	3 23.3	20.5
357239 2002 LB_{61}	15.7	X	121.09950	97.38352	125.55617	12.78393	0.1033980	0.17166685	3.2063562	21	10 4.7	20.8
357240 2002 LQ_{63}	17.1	X	16.95638	146.53749	95.00490	6.33465	0.2495441	0.25713687	2.4492126	21	6 11.3	18.5
357241 2002 MC_6	16.4	X	216.88495	285.32113	47.85038	4.95428	0.2019987	0.24236279	2.5477614	21	2 27.9	20.7
357242 2002 OG_{25}	16.8	X	194.27887	1.18317	321.84545	7.80004	0.1478828	0.23690727	2.5867261	21	1 25.9	21.0
357243 2002 OQ_{37}	16.6	X	109.98419	255.03059	145.03020	14.44193	0.1628242	0.23472649	2.6027232	21	1 31.9	20.0
357244 2002 PQ_9	17.2	X	125.53011	181.58040	195.18081	4.16677	0.2053902	0.23261973	2.6184142	21	1 27.5	20.8
357245 2002 PX_{17}	17.1	X	82.75188	82.55142	303.43799	9.50598	0.2322377	0.22778976	2.6552979	21	—	—
357246 2002 PG_{34}	17.5	X	271.63734	144.58986	135.51382	25.71278	0.0860952	0.34780326	2.0025358	21	2 1.6	19.9
357247 2002 PC_{36}	17.2	X	262.05727	130.16938	177.28773	5.17913	0.2021164	0.24504092	2.5291639	21	3 4.0	21.3
357248 2002 PE_{60}	16.6	X	119.18112	204.43961	160.48900	9.79613	0.3502169	0.22712187	2.6605009	21	1 25.7	20.7
357249 2002 PQ_{68}	17.1	X	282.08674	52.89810	243.52405	2.55252	0.1241758	0.24658804	2.5185740	21	3 18.3	20.5
357250 2002 PN_{122}	17.1	X	207.06651	183.36875	176.91177	6.56589	0.1677826	0.24300879	2.5432442	21	3 22.4	21.2
357251 2002 PR_{124}	16.9	X	121.85160	178.34247	203.22647	1.68002	0.2208883	0.23146402	2.6271229	21	2 1.2	20.6
357252 2002 PF_{143}	17.0	X	71.27561	357.26440	81.14958	5.20715	0.2162743	0.23617784	2.5920494	21	2 1.3	19.4
357253 2002 PQ_{171}	17.4	X	248.34125	291.26777	355.54575	4.08872	0.1242902	0.24071785	2.5593549	21	2 1.5	21.3
357254 2002 PN_{173}	17.7	X	35.28644	124.36282	259.82862	3.06239	0.2822933	0.21860535	2.7291592	21	—	—
357255 2002 PY_{177}	16.8	X	170.64929	189.48360	163.44105	14.07687	0.1619539	0.23661575	2.5888504	21	2 7.6	20.9
357256 2002 PN_{194}	17.1	X	176.67761	249.13546	89.51015	3.81660	0.1106918	0.23535795	2.5980657	21	1 25.7	21.1
357257 2002 PL_{197}	17.2	X	163.19788	82.76346	283.37084	4.85157	0.0549441	0.23942687	2.5685467	21	2 6.4	20.7
357258 2002 QY_{23}	16.3	X	91.52012	80.79979	337.73406	12.96174	0.0637536	0.23377771	2.6097605	21	1 20.0	19.7
357259 2002 QX_{51}	16.7	X	97.36141	65.76447	342.02576	7.76387	0.1554355	0.23141056	2.6275275	21	1 26.6	19.9
357260 2002 QE_{94}	17.3	X	152.69898	291.11897	76.49070	5.25381	0.1379989	0.23437845	2.6052991	21	2 9.1	21.1
357261 2002 QL_{111}	16.5	X	82.02016	258.84628	149.37546	12.64820	0.1830658	0.22864120	2.6487017	21	1 5.4	19.6
357262 2002 QN_{111}	16.8	X	177.47788	208.97815	162.90919	12.13217	0.1186790	0.23965027	2.5669501	21	3 7.9	20.5
357263 2002 QB_{141}	16.3	X	96.28074	214.59538	146.95504	29.74113	0.1870026	0.22458197	2.6805225	21	—	—
357264 2002 QQ_{144}	16.3	X	76.18395	333.60359	145.44997	9.09078	0.1092498	0.23971143	2.5665135	21	3 23.8	19.3
357265 2002 QM_{145}	17.1	X	267.17076	262.67763	23.66997	9.93955	0.0798543	0.24144253	2.5542311	21	2 27.7	20.8
357266 2002 QT_{147}	17.1	X	304.72220	278.49264	353.62716	10.53854	0.0972328	0.24666312	2.5180629	21	3 19.3	20.2
357267 2002 QP_{152}	17.0	X	291.00640	123.10755	132.14869	13.53252	0.1495373	0.24255082	2.5464445	21	2 2.9	20.7
357268 2002 RU_{68}	16.9	X	190.36358	177.02371	173.94730	12.47786	0.1439379	0.23709661	2.5853488	21	2 22.5	21.1
357269 2002 RP_{85}	16.2	X	141.55380	189.39627	174.87034	6.80430	0.2989503	0.23042006	2.6350520	21	2 7.8	20.5
357270 2002 RH_{87}	16.1	X	176.78680	173.45847	176.84032	17.44836	0.2527782	0.23430749	2.6058251	21	2 14.5	20.8
357271 2002 RE_{137}	16.3	X	191.95618	12.64348	320.08584	12.74438	0.1748791	0.23600875	2.5932874	21	2 5.2	20.3
357272 2002 RG_{147}	16.9	X	69.44773	313.01839	105.08518	2.74247	0.1374316	0.22708962	2.6607528	21	—	—
357273 2002 RM_{215}	16.7	X	125.40338	308.33590	40.46210	7.09816	0.2079487	0.22770035	2.6559929	21	—	—
357274 2002 RA_{221}	17.0	X	100.66625	315.29331	50.38163	3.65321	0.1851136	0.22586527	2.6703596	21	—	—
357275 2002 RX_{261}	16.6	X	85.77778	70.35626	337.63442	13.52463	0.0506365	0.22912110	2.6450019	21	—	—
357276 2002 RH_{279}	16.2	X	338.59056	279.43496	318.98167	12.52709	0.1571723	0.24290901	2.5439406	21	3 10.1	19.2
357277 2002 RA_{286}	16.1	X	215.94342	305.91632	38.23388	13.87071	0.1873102	0.24082716	2.5585804	21	3 16.7	20.5
357278 2002 SY_4	16.1	X	204.40166	167.44617	183.14580	14.87217	0.1251386	0.23782847	2.5800423	21	3 6.8	20.3
357279 2002 SG_{30}	16.3	X	15.73657	352.14191	70.73180	8.78399	0.2203960	0.21791224	2.7349431	21	—	—
357280 2002 SE_{40}	16.1	X	87.39681	24.96946	24.46091	13.49973	0.1699771	0.22754029	2.6572383	21	1 18.7	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
357281 2002 SX_{62}	17.1	X	281.40661	174.21343	100.63817	4.51665	0.1210081	0.24176729	2.5519433	21	2 21.8	20.7
357282 2002 SY_{66}	16.7	X	168.10007	23.17002	312.88701	13.67822	0.1631000	0.23226669	2.6210668	21	1 19.4	20.7
357283 2002 TM_{82}	16.5	X	35.38376	59.52613	347.74622	4.47524	0.1140982	0.21956987	2.7211609	21	—	—
357284 2002 TK_{123}	16.6	X	110.63116	59.47036	300.23088	9.87304	0.0627951	0.22562493	2.6722556	21	—	—
357285 2002 TY_{131}	16.6	X	8.65446	99.10701	334.95314	7.73887	0.2937207	0.21685272	2.7438443	21	—	—
357286 2002 TA_{156}	16.3	X	210.05012	105.33293	220.78676	8.96692	0.1130020	0.23721507	2.5844881	21	2 8.4	20.4
357287 2002 TF_{172}	15.9	X	165.35394	348.58186	355.13294	32.89843	0.1499617	0.23135266	2.6279659	21	2 9.0	20.5
357288 2002 TZ_{174}	16.4	X	119.93541	338.85253	43.59232	13.72605	0.1543273	0.22877425	2.6476747	21	1 27.0	20.3
357289 2002 TE_{221}	16.3	X	190.80921	9.87026	297.06655	10.99227	0.2619558	0.23184900	2.6242139	21	1 9.1	20.8
357290 2002 TZ_{324}	17.0	X	20.56111	84.06403	10.69074	12.80601	0.2471213	0.22233170	2.6985789	21	—	—
357291 2002 TN_{327}	17.1	X	7.96290	152.64267	23.59042	4.79696	0.0480721	0.23582920	2.5946035	21	2 20.4	20.3
357292 2002 UF_{35}	16.0	X	20.15360	240.24732	131.38340	9.93813	0.1211214	0.21076051	2.7964682	21	12 10.7	19.7
357293 2002 UR_{62}	16.7	X	23.11423	194.47639	212.59352	8.36825	0.2118560	0.21811010	2.7332889	21	—	—
357294 2002 UK_{74}	17.1	X	109.64844	262.30405	126.52769	2.73716	0.1282089	0.22571286	2.6715616	21	1 14.4	20.6
357295 2002 VE_{2}	16.1	X	185.22870	285.56092	47.29820	12.99373	0.0594561	0.22898093	2.6460812	21	1 28.5	20.2
357296 2002 VX_{20}	16.7	X	18.46537	168.25621	256.60250	8.44971	0.2098770	0.21707044	2.7420093	21	—	—
357297 2002 VT_{57}	17.1	X	347.01892	16.48776	66.57705	5.21851	0.2748395	0.21330190	2.7742115	21	—	—
357298 2002 VD_{74}	16.4	X	189.27664	273.39567	62.55868	12.19541	0.1539490	0.23170107	2.6253307	21	2 10.4	20.8
357299 2002 VJ_{75}	16.9	X	13.05583	27.72618	59.19042	20.60286	0.2017505	0.21695089	2.7430165	21	—	—
357300 2002 VK_{143}	16.7	X	40.72494	345.51546	56.87783	6.03239	0.1123178	0.21711747	2.7416133	21	—	—
357301 2002 VC_{144}	18.6	X	269.07661	348.01911	92.85846	1.67579	0.1513036	0.30717592	2.1754275	21	9 20.6	20.8
357302 2002 VM_{147}	16.9	X	30.72008	220.76649	238.00710	7.26141	0.1419368	0.22276311	2.6950937	21	—	—
357303 2002 WE_{27}	17.1	X	67.42444	143.12437	254.04365	2.92680	0.1470174	0.21903592	2.7255814	21	—	—
357304 2002 XK_{33}	16.2	X	123.17344	43.00144	331.98726	11.98766	0.1898305	0.22573098	2.6714186	21	1 25.4	20.0
357305 2002 XT_{89}	16.7	X	2.26401	304.30841	121.64765	11.54898	0.2703624	0.21212598	2.7844546	21	—	—
357306 2003 AC_{40}	16.3	X	215.25092	293.39993	141.70351	9.43201	0.2777385	0.18781581	3.0198216	21	6 27.1	21.7
357307 2003 AV_{49}	15.8	X	330.14830	210.13158	298.54334	11.86694	0.1138963	0.21344930	2.7729342	21	—	—
357308 2003 AM_{72}	17.3	X	68.27520	2.04986	87.99701	24.92007	0.0790557	0.38052501	1.8860241	21	—	—
357309 2003 BY_{40}	16.5	X	227.13261	66.20855	126.35099	18.11656	0.0832193	0.20289787	2.8682547	21	12 18.0	20.8
357310 2003 CM_{10}	16.2	X	350.14226	359.64207	134.37772	10.61642	0.0981975	0.21386853	2.7693093	21	—	—
357311 2003 DC_{14}	16.5	X	305.66216	10.07792	49.88800	12.82119	0.5601144	0.20004779	2.8954332	21	7 29.6	20.3
357312 2003 ET_{14}	17.1	X	258.01829	349.66382	126.95622	6.87011	0.0976391	0.30245507	2.1980056	21	11 6.4	19.5
357313 2003 FK_{45}	16.0	X	232.18252	183.86623	7.10802	16.73758	0.1364072	0.19798069	2.9155522	21	12 9.0	20.6
357314 2003 FX_{64}	17.0	X	148.38689	348.53184	137.59165	7.62104	0.0667641	0.28370083	2.2938357	21	6 28.3	20.0
357315 2003 FL_{122}	16.1	X	87.58664	353.77962	299.15656	10.46454	0.1740138	0.19041326	2.9922963	21	11 25.3	20.9
357316 2003 FX_{123}	17.4	X	29.97654	137.70354	172.05427	5.84599	0.1711123	0.29219703	2.2491522	21	10 26.7	19.6
357317 2003 FL_{131}	17.9	X	115.26795	31.13559	188.44992	3.17741	0.1496275	0.29054324	2.2576790	21	10 3.8	20.9
357318 2003 FS_{133}	16.3	X	185.55121	176.30481	33.63554	9.37991	0.1069538	0.19208996	2.9748582	21	11 16.9	20.9
357319 2003 GR_{8}	17.4	X	137.81212	203.00833	14.17429	6.44535	0.3154000	0.29227313	2.2487618	21	10 24.6	21.4
357320 2003 GB_{38}	17.7	X	235.62827	349.48471	129.91895	4.56761	0.0296143	0.29368819	2.2415326	21	10 17.5	20.3
357321 2003 GZ_{54}	16.9	X	218.47757	168.76983	40.55987	5.21897	0.1053941	0.19724850	2.9227629	21	12 22.3	21.1
357322 2003 HW_{5}	17.4	X	143.50693	25.80152	203.19913	5.06099	0.0989233	0.29547758	2.2324738	21	11 14.1	20.4
357323 2003 HR_{20}	17.4	X	133.72427	18.80422	208.78781	4.92182	0.1728525	0.29229877	2.2486303	21	11 2.4	20.7
357324 2003 HQ_{44}	16.2	X	145.14247	112.17058	171.40609	9.30272	0.2739142	0.18869080	3.0104787	21	—	—
357325 2003 JL	16.4	X	229.82070	142.66293	41.36307	9.79279	0.1128844	0.19345667	2.9608307	21	12 1.8	20.9
357326 2003 JQ_{15}	16.0	X	120.56855	239.65646	38.82741	11.46677	0.1594539	0.18763504	3.0217609	21	12 6.8	21.0
357327 2003 KE_{11}	17.9	X	105.99237	103.41730	62.21425	22.70112	0.0581063	0.38802030	1.8616573	21	6 23.1	19.8
357328 2003 KA_{17}	16.4	X	29.54374	256.87441	58.64861	23.79400	0.2345340	0.28446963	2.2897010	21	11 13.7	18.8
357329 2003 LK	15.9	X	98.17327	109.95290	135.17054	11.08499	0.1491030	0.17929771	3.1147239	21	10 12.0	20.8
357330 2003 MW_{1}	17.4	X	37.92859	128.70382	116.56906	24.14143	0.1274792	0.38279056	1.8785751	21	7 26.1	18.2
357331 2003 NH_{6}	15.7	X	81.34366	151.97085	161.85301	21.86431	0.3885698	0.17808577	3.1288392	21	12 31.8	21.6
357332 2003 NO_{6}	15.7	X	132.18952	101.24398	146.60032	26.62699	0.2090682	0.18261125	3.0769306	21	11 21.2	21.4
357333 2003 NJ_{7}	17.6	X	130.60597	326.07431	30.18104	9.35866	0.3014136	0.35255553	1.9844997	21	—	—
357334 2003 OJ_{12}	16.8	X	338.20777	159.93384	176.16134	24.64916	0.2240736	0.27216913	2.3581792	21	8 5.0	18.9
357335 2003 OE_{15}	16.5	X	328.35417	134.75800	194.88955	11.48714	0.2936843	0.26998824	2.3708613	21	6 17.4	18.5
357336 2003 OT_{17}	17.5	X	8.83565	324.75717	343.82627	5.89822	0.2492950	0.27650684	2.3334516	21	9 20.4	19.0
357337 2003 OG_{33}	15.7	X	150.72124	114.47254	147.62081	22.27352	0.3264554	0.18353150	3.0666366	21	12 17.2	21.7
357338 2003 PE_{11}	17.4	X	282.69022	168.70836	161.36901	6.11004	0.2355082	0.26333919	2.4106032	21	4 19.2	20.8
357339 2003 QB_{12}	17.6	X	256.22008	287.60989	70.47041	2.16424	0.1999912	0.26261674	2.4150221	21	4 30.8	21.2
357340 2003 QN_{13}	16.7	X	316.00440	180.08755	156.84655	15.27506	0.1939240	0.26818532	2.3814751	21	6 22.6	19.5
357341 2003 QU_{13}	17.1	X	330.32993	193.08479	143.59970	6.44691	0.2428776	0.27123503	2.3635903	21	7 14.9	18.9
357342 2003 QK_{17}	17.3	X	14.90798	323.45585	342.81666	4.26049	0.2313802	0.27587622	2.3370063	21	9 27.7	19.1
357343 2003 QJ_{23}	15.2	X	90.19693	115.89815	172.96189	26.02766	0.2635950	0.17406828	3.1767982	21	12 2.8	20.9
357344 2003 QQ_{30}	17.7	X	80.28552	178.31288	340.29122	19.22447	0.0471886	0.37212117	1.9143138	21	4 15.7	19.9
357345 2003 QB_{35}	17.0	X	43.32954	129.72178	147.67142	9.92078	0.2135670	0.27709360	2.3301563	21	10 7.1	19.7
357346 2003 QC_{41}	17.1	X	327.21421	344.67462	349.96444	6.82421	0.2624080	0.27011686	2.3701087	21	6 30.9	19.0
357347 2003 QA_{44}	17.3	X	339.65059	2.36037	307.53166	2.03176	0.2571067	0.26960493	2.3731080	21	6 20.1	18.7
357348 2003 QJ_{46}	17.4	X	142.23240	245.92404	160.81543	22.83331	0.1075812	0.36179388	1.9505716	21	2 20.6	19.4
357349 2003 QA_{52}	15.6	X	109.81099	316.12971	346.55453	16.37720	0.2093080	0.17928097	3.1149178	21	12 30.2	21.1
357350 2003 QH_{58}	16.4	X	50.30684	287.80424	350.75457	11.71808	0.2554284	0.27773081	2.3265908	21	10 17.2	19.4
357351 2003 QZ_{72}	17.6	X	276.15287	334.60518	328.79782	18.46025	0.0526481	0.36806694	1.9283455	21	3 7.8	19.7
357352 2003 QE_{95}	17.3	X	344.09833	278.32170	67.07290	6.65909	0.2592186	0.27351810	2.3504193	21	9 20.7	18.5
357353 2003 QT_{106}	17.1	X	284.86972	310.19065	31.01379	5.50073	0.2343347	0.26572115	2.3961756	21	5 3.9	20.5
357354 2003 RJ_{3}	16.9	X	329.91167	315.24546	347.82363	6.45833	0.1131891	0.26689275	2.3891579	21	6 6.6	19.4
357355 2003 RV_{8}	16.7	X	31.72218	119.11437	195.53860	21.51101	0.3252779	0.27788996	2.3257024	21	11 27.7	19.9
357356 2003 RH_{16}	17.7	X	322.27789	339.80270	334.68897	4.50426	0.2493377	0.26778314	2.3838590	21	5 16.9	20.0
357357 2003 RN_{25}	17.7	X	213.38002	0.99528	317.10135	16.50498	0.0891354	0.36050287	1.9552257	21	1 17.1	20.0
357358 2003 SK_{13}	16.6	X	317.50441	313.78416	0.31170	5.99659	0.1536854	0.26610808	2.3938522	21	5 25.1	19.3
357359 2003 SU_{16}	17.7	X	91.99450	102.12676	335.62469	14.60345	0.1730884	0.24554016	2.5257345	21	2 25.4	20.4
357360 2003 SJ_{25}	17.1	X	346.38567	324.69734	312.86983	3.20665	0.2905570	0.26672633	2.3901516	21	5 2.9	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
357361 2003 SK_{93}	16.9	X	89.30805	12.18469	46.02383	8.48788	0.2337794	0.24073582	2.5592276	21	2 9.5	19.8
357362 2003 SX_{113}	17.2	X	340.02993	111.22378	216.06561	5.28054	0.1424610	0.27149624	2.3620740	21	8 1.4	19.4
357363 2003 SB_{142}	16.7	X	177.09704	196.37396	87.99194	6.29617	0.2038323	0.24112357	2.5564832	21	—	—
357364 2003 SJ_{143}	17.2	X	335.88966	78.61049	237.84658	4.69146	0.2347662	0.26800158	2.3825635	21	6 24.9	19.0
357365 2003 SH_{158}	15.5	X	91.29698	284.91144	30.75118	14.97418	0.2607050	0.17764030	3.1340678	21	12 31.8	21.0
357366 2003 SU_{163}	18.2	X	292.82061	295.74487	3.29320	19.37087	0.0448602	0.36948006	1.9234255	21	3 30.5	19.9
357367 2003 SP_{165}	16.8	X	323.49893	148.77282	172.49369	11.06026	0.2078773	0.26527825	2.3988419	21	6 10.4	19.3
357368 2003 SC_{167}	16.7	X	327.28468	323.53251	350.64339	8.36775	0.2494518	0.26605570	2.3941664	21	5 25.9	19.2
357369 2003 SM_{182}	15.8	X	116.57985	69.89786	204.50808	15.66241	0.2449349	0.17474162	3.1686320	21	12 3.7	21.4
357370 2003 SW_{184}	17.6	X	328.14448	195.12321	106.53329	2.17766	0.1806885	0.26508464	2.4000098	21	5 23.3	19.9
357371 2003 SH_{193}	16.8	X	313.70453	6.13298	310.15634	5.91396	0.1057146	0.26289598	2.4133117	21	5 30.9	19.6
357372 2003 SG_{201}	17.8	X	54.79567	279.26748	181.73693	22.65399	0.1596746	0.35470908	1.9764592	21	—	—
357373 2003 SO_{228}	17.6	X	303.32309	312.85175	1.85735	2.03671	0.1911224	0.26355856	2.4092653	21	4 28.1	20.4
357374 2003 ST_{232}	16.8	X	324.24485	302.51774	21.53527	6.23329	0.2143487	0.27025223	2.3693171	21	6 12.9	19.0
357375 2003 SB_{264}	16.8	X	59.94863	6.22530	62.70590	5.23659	0.1862161	0.23828942	2.5767139	21	—	—
357376 2003 SW_{277}	17.2	X	235.51390	93.43091	250.75496	5.70496	0.2573503	0.25574308	2.4581033	21	3 20.0	21.5
357377 2003 SW_{319}	17.4	X	21.14244	234.66965	29.82954	2.36852	0.1566474	0.26766566	2.3845565	21	7 23.6	19.5
357378 2003 SF_{328}	17.5	X	202.50155	57.53744	312.98902	5.01565	0.1147606	0.25506844	2.4624357	21	3 26.9	21.4
357379 2003 SH_{388}	16.8	X	3.69057	79.36392	157.06990	6.90234	0.0777942	0.25830821	2.4418027	21	5 4.5	19.5
357380 2003 TF_{46}	17.8	X	215.52189	14.02121	336.00641	5.10437	0.1271996	0.25187962	2.4831752	21	3 15.7	21.7
357381 2003 UH_{14}	17.3	X	329.21000	89.13930	214.00744	4.18217	0.2003152	0.26436745	2.4043484	21	5 24.6	19.6
357382 2003 UD_{26}	16.4	X	320.47572	177.00326	218.41765	7.47813	0.2353839	0.21593694	2.7515965	21	9 19.3	19.0
357383 2003 UM_{33}	17.6	X	281.34763	175.98561	146.42517	1.90726	0.1869151	0.25982557	2.4322868	21	4 12.9	21.0
357384 2003 UP_{43}	17.6	X	8.50918	160.43707	146.36462	1.78579	0.1876229	0.27125450	2.3634772	21	9 7.6	19.3
357385 2003 UH_{48}	17.1	X	122.04478	291.89798	118.51678	4.50989	0.2140367	0.24310118	2.5425997	21	3 9.3	20.6
357386 2003 UN_{49}	16.0	X	52.71716	208.29552	269.06560	14.20039	0.1068194	0.24209586	2.5496338	21	2 1.7	19.1
357387 2003 UW_{65}	17.2	X	99.26488	247.05638	169.65269	11.88319	0.2881417	0.24059967	2.5601929	21	2 26.3	20.3
357388 2003 UK_{76}	16.8	X	63.85675	103.73807	345.75159	14.12163	0.2452772	0.23915000	2.5705287	21	2 8.2	19.1
357389 2003 UA_{83}	17.3	X	43.93775	234.92207	175.67172	6.01969	0.2730988	0.23071182	2.6328300	21	—	—
357390 2003 UF_{101}	17.2	X	135.93838	225.16100	166.94657	4.36186	0.2141976	0.24415363	2.5352877	21	2 26.9	20.8
357391 2003 UO_{113}	17.0	X	324.30853	178.74585	141.56557	5.04956	0.2282530	0.26542632	2.3979496	21	6 6.4	19.1
357392 2003 UM_{143}	16.4	X	117.44488	358.62556	23.03208	10.64804	0.1790355	0.23879228	2.5730953	21	1 23.7	20.0
357393 2003 UP_{156}	17.4	X	69.33173	264.88660	178.06367	6.05517	0.2963632	0.23839971	2.5759192	21	2 13.3	19.6
357394 2003 UC_{182}	17.2	X	141.46535	155.83190	199.20459	4.54425	0.2857781	0.24057737	2.5603511	21	1 25.2	21.3
357395 2003 UU_{195}	17.1	X	273.95846	252.51818	95.41381	2.61691	0.2012941	0.25944456	2.4346675	21	5 6.7	20.4
357396 2003 UO_{210}	17.7	X	118.23275	53.48755	2.63566	1.95946	0.1761851	0.24363991	2.5388503	21	3 5.6	21.2
357397 2003 UF_{219}	17.3	X	104.22691	90.28947	334.16615	1.97233	0.2023084	0.24277683	2.5448639	21	3 2.2	20.5
357398 2003 UZ_{228}	17.5	X	39.23352	38.62713	18.49562	5.40248	0.3593462	0.23006613	2.6377538	21	—	—
357399 2003 UE_{232}	17.2	X	270.28161	124.32891	202.36558	3.72907	0.0900382	0.25614090	2.4555575	21	4 17.9	20.3
357400 2003 UV_{240}	16.9	X	277.25651	55.58938	252.13069	5.55451	0.1323913	0.25374412	2.4709961	21	3 23.9	20.5
357401 2003 UE_{245}	16.5	X	86.79061	172.32136	221.65049	13.61894	0.0276065	0.23642061	2.5902747	21	—	—
357402 2003 UD_{249}	17.1	X	303.18509	348.50620	348.65850	3.88508	0.0734351	0.26271768	2.4144035	21	6 20.2	19.9
357403 2003 UG_{291}	17.3	X	281.36355	103.75786	207.22459	8.31096	0.2619751	0.25674175	2.4517248	21	3 18.2	21.1
357404 2003 UN_{341}	16.7	X	268.85050	173.35604	195.74333	20.92010	0.1320583	0.26685296	2.3893955	21	6 7.1	20.3
357405 2003 UM_{382}	17.6	X	24.22536	135.26069	113.87098	4.11308	0.1491146	0.26430411	2.4047325	21	7 3.0	19.8
357406 2003 VB_{3}	19.4	X	331.07748	305.01803	191.60000	1.03772	0.3386508	0.33920926	2.0362179	21	—	—
357407 2003 WN_{12}	15.9	X	77.02567	115.96030	346.54434	27.33230	0.1869748	0.23921427	2.5700682	21	3 9.7	18.6
357408 2003 WD_{15}	16.5	X	168.91347	332.08158	50.09429	10.20769	0.0141646	0.24595432	2.5228983	21	3 7.8	20.0
357409 2003 WN_{81}	17.3	X	76.58552	295.48737	124.81113	4.76111	0.1974448	0.23483536	2.6019187	21	1 12.6	19.9
357410 2003 WK_{98}	17.5	X	126.16934	245.35843	167.05039	2.94276	0.1945139	0.24492816	2.5299401	21	3 12.0	21.0
357411 2003 WU_{126}	16.5	X	56.54373	0.77315	63.17775	14.89353	0.2556125	0.23131990	2.6282139	21	—	—
357412 2003 WN_{172}	15.9	X	38.43697	137.19661	309.30026	11.48749	0.2600792	0.22904553	2.6455837	21	—	—
357413 2003 WF_{190}	15.9	X	140.60739	38.55878	334.24023	17.49605	0.3170195	0.23956776	2.5675395	21	2 19.7	20.0
357414 2003 XE	18.2	X	302.78425	17.49342	90.54262	26.93124	0.3534022	0.43992301	1.7121886	21	—	—
357415 2003 XA_{5}	16.6	X	44.27183	134.35006	291.65980	12.22417	0.3065743	0.22934793	2.6432577	21	—	—
357416 2003 XF_{10}	16.5	X	347.56469	72.30734	61.28139	23.33841	0.3517307	0.22532217	2.6746488	21	—	—
357417 2003 XH_{16}	17.0	X	43.28032	319.90123	124.89407	4.65575	0.1558624	0.23266598	2.6180672	21	—	—
357418 2003 XJ_{42}	16.1	X	77.88770	350.75073	78.71061	12.06321	0.2061996	0.17794632	3.1304736	21	2 16.9	20.2
357419 2003 YC_{12}	16.4	X	71.42846	80.32779	28.87488	9.78657	0.1628846	0.23747455	2.5826051	21	3 12.2	19.3
357420 2003 YY_{20}	16.9	X	38.85917	153.99422	299.46327	5.64511	0.1427204	0.22932730	2.6434162	21	—	—
357421 2003 YF_{29}	17.6	X	23.23051	337.07317	92.70550	5.98818	0.3026283	0.22627998	2.6670959	21	—	—
357422 2003 YT_{54}	17.1	X	118.02463	350.61917	73.70760	1.87197	0.1374611	0.24087720	2.5582260	21	3 11.5	20.5
357423 2003 YQ_{60}	17.2	X	71.90435	159.82666	233.79603	3.46042	0.2025470	0.23139996	2.6276077	21	—	—
357424 2003 YZ_{65}	16.4	X	156.82457	299.98945	86.07788	12.40968	0.1254382	0.24208540	2.5497073	21	3 10.5	20.4
357425 2003 YD_{79}	16.1	X	165.00651	341.74880	68.37950	6.46237	0.1467411	0.24525309	2.5277050	21	4 15.7	20.1
357426 2003 YS_{87}	16.8	X	39.56622	351.00299	100.68885	7.32260	0.3119508	0.22999714	2.6382812	21	—	—
357427 2003 YH_{121}	15.8	X	249.55937	44.10446	121.17958	16.72235	0.1778969	0.21128316	2.7918546	21	12 1.6	19.9
357428 2003 YE_{123}	16.5	X	13.85578	338.86039	105.11695	11.67062	0.1630447	0.22362558	2.6881597	21	—	—
357429 2003 YW_{133}	16.2	X	66.79065	120.63751	316.45353	18.18425	0.0869270	0.23147684	2.6270259	21	1 11.1	19.4
357430 2003 YP_{135}	16.1	X	51.07770	328.63262	86.28094	14.58564	0.3902296	0.22720766	2.6598312	21	—	—
357431 2003 YP_{138}	15.9	X	299.82188	340.34673	117.37560	14.60789	0.1467331	0.21234022	2.7825814	21	11 23.5	19.3
357432 2003 YG_{141}	16.3	X	70.09981	5.78781	52.41004	13.58113	0.1500492	0.23179569	2.6246162	21	—	—
357433 2003 YP_{144}	16.4	X	58.43810	326.55442	115.52583	13.69514	0.1172052	0.23178061	2.6247301	21	1 2.9	19.3
357434 2004 AJ_{6}	16.9	X	130.07474	306.02614	102.85901	5.94024	0.1873456	0.23860403	2.5744484	21	3 14.5	20.7
357435 2004 AU_{19}	17.1	X	200.74988	15.56282	337.08530	3.36195	0.0411440	0.23819582	2.5773889	21	3 5.6	20.8
357436 2004 BK_{40}	15.9	X	26.43394	201.47460	302.41640	10.69935	0.1262974	0.23181816	2.6244466	21	1 30.9	18.6
357437 2004 BN_{46}	15.5	X	19.90647	8.43932	133.77553	34.34802	0.1746247	0.23037155	2.6354219	21	1 16.0	18.3
357438 2004 BB_{76}	16.0	X	355.13424	213.06531	276.88656	8.94100	0.1468618	0.22467488	2.6797835	21	—	—
357439 2004 BL_{86}	19.3	X	198.62092	311.50941	126.66696	23.78469	0.4025259	0.53528822	1.5022571	21	6 16.6	22.1
357440 2004 BE_{89}	17.2	X	2.66900	329.03563	152.22545	8.54204	0.3557690	0.22566800	2.6719156	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
357441 2004 BK_{98}	17.3	X	325.96887	159.69942	343.57539	8.24472	0.1157164	0.21872385	2.7281733	21	—	—
357442 2004 BG_{115}	15.9	X	87.05658	67.43151	7.50516	15.20719	0.1794926	0.23401317	2.6080096	21	2 23.7	19.1
357443 2004 BC_{135}	16.8	X	288.55647	129.40136	106.26227	5.57104	0.1195454	0.22466375	2.6798720	21	1 13.7	20.7
357444 2004 BS_{143}	17.0	X	84.69878	293.51947	116.72283	3.49899	0.0611870	0.22826389	2.6516197	21	—	—
357445 2004 CX_{16}	17.4	X	43.72799	90.55158	353.25209	2.27459	0.1226953	0.22539110	2.6741034	21	—	—
357446 2004 CY_{39}	16.2	X	3.46375	160.45124	320.04198	11.23776	0.2057112	0.22386323	2.6862569	21	—	—
357447 2004 CH_{59}	16.5	X	18.74048	25.60385	64.99510	5.17133	0.2378240	0.22491055	2.6779112	21	—	—
357448 2004 CS_{59}	16.6	X	35.26412	326.81407	101.77038	10.11227	0.3244445	0.22619361	2.6677748	21	—	—
357449 2004 CB_{61}	16.8	X	36.40852	115.66817	25.60225	6.49465	0.0860632	0.23303456	2.6153059	21	2 17.4	19.8
357450 2004 CJ_{72}	16.5	X	230.16002	241.08466	332.54172	14.66931	0.0773298	0.21641499	2.7475429	21	—	—
357451 2004 CD_{83}	16.3	X	286.98091	342.71212	144.87095	11.41234	0.2170846	0.21365105	2.7711882	21	11 30.5	19.6
357452 2004 CZ_{109}	16.1	X	298.07110	293.19973	283.94024	11.51118	0.2173719	0.22425299	2.6831435	21	—	—
357453 2004 DK_{8}	17.0	X	350.47761	109.45678	338.43334	4.72926	0.1560254	0.21745289	2.7387933	21	—	—
357454 2004 DH_{17}	16.2	X	292.68124	265.40693	302.18445	12.13952	0.1067289	0.22393675	2.6856689	21	—	—
357455 2004 DJ_{36}	16.7	X	31.40427	118.95910	339.67128	12.12521	0.1119941	0.22564210	2.6721200	21	—	—
357456 2004 DP_{39}	16.4	X	271.03806	263.33480	313.99798	7.12232	0.1510761	0.21978792	2.7193608	21	—	—
357457 2004 EZ_{1}	16.6	X	272.75206	91.12783	173.57308	14.58613	0.2775293	0.22369400	2.6876115	21	1 17.2	21.4
357458 2004 EL_{16}	16.5	X	279.95778	42.96705	126.60220	8.83624	0.1538200	0.21460580	2.7629631	21	—	—
357459 2004 EP_{24}	16.5	X	38.70880	78.76819	30.29682	13.42775	0.2820316	0.22881615	2.6473515	21	1 5.9	18.6
357460 2004 EA_{40}	16.2	X	313.15926	197.89487	9.63343	14.11722	0.1968418	0.22454874	2.6807870	21	—	—
357461 2004 ER_{48}	16.6	X	340.59834	334.93970	146.11515	7.00607	0.0432805	0.21711643	2.7416221	21	—	—
357462 2004 EQ_{64}	16.4	X	298.57173	106.59006	98.29408	10.20597	0.1958394	0.22240031	2.6980239	21	—	—
357463 2004 EG_{69}	16.1	X	300.30177	39.81005	169.18437	14.69019	0.0342509	0.22426652	2.6830355	21	1 4.5	20.1
357464 2004 EU_{83}	16.0	X	258.21878	93.98731	169.52864	12.97239	0.1653523	0.22105396	2.7089678	21	1 12.1	20.6
357465 2004 ES_{90}	17.1	X	301.86175	155.51772	33.40092	6.42920	0.1060668	0.21895927	2.7262174	21	—	—
357466 2004 EK_{91}	16.5	X	158.15585	332.12449	0.79348	6.33276	0.0484860	0.22108537	2.7087112	21	—	—
357467 2004 EX_{95}	16.0	X	255.07948	184.63804	37.14162	28.02968	0.2307813	0.21630644	2.7484621	21	—	—
357468 2004 EA_{96}	16.3	X	294.84468	89.83308	138.14486	15.96955	0.2400139	0.22185019	2.7024822	21	—	—
357469 2004 FS_{41}	16.0	X	271.03981	58.63342	189.63913	26.08580	0.2387694	0.22014460	2.7164228	21	—	—
357470 2004 FV_{42}	16.6	X	313.24872	257.89400	329.49702	11.98815	0.1536638	0.22930371	2.6435975	21	1 28.6	20.1
357471 2004 FS_{53}	16.6	X	17.99482	35.29060	28.72596	4.49112	0.0509393	0.21467879	2.7623367	21	—	—
357472 2004 FV_{58}	17.2	X	286.56721	19.08080	183.99323	5.22178	0.0999567	0.21919756	2.7242413	21	—	—
357473 2004 FF_{84}	16.1	X	324.96368	358.15588	134.03424	9.97326	0.0868153	0.21623359	2.7490794	21	—	—
357474 2004 FB_{87}	16.3	X	315.01163	48.41512	135.13733	14.66630	0.0195790	0.22246273	2.6975192	21	—	—
357475 2004 FT_{94}	16.5	X	330.19545	150.44473	20.01228	13.99441	0.1910963	0.22300470	2.6931468	21	—	—
357476 2004 FB_{109}	16.4	X	319.59851	334.09895	199.16485	12.53104	0.1607988	0.21923992	2.7238904	21	—	—
357477 2004 FB_{111}	16.1	X	232.33080	81.64158	199.25479	11.34728	0.1633381	0.21836797	2.7311366	21	1 9.7	20.8
357478 2004 FH_{131}	15.9	X	245.06327	115.60011	126.90972	8.64320	0.0904234	0.21711257	2.7416546	21	—	—
357479 2004 GJ_{3}	16.1	X	207.34538	97.09124	199.00775	14.92359	0.1438768	0.21701000	2.7425184	21	1 5.8	20.9
357480 2004 GL_{40}	16.6	X	253.15999	48.28871	182.81460	5.71002	0.1949178	0.21475161	2.7617123	21	—	—
357481 2004 GC_{46}	17.2	X	275.11049	138.97552	31.01928	10.33617	0.0567267	0.21068456	2.7971403	21	—	—
357482 2004 HR_{4}	16.6	X	283.99817	18.04206	186.05489	8.08937	0.1692453	0.21653887	2.7464949	21	—	—
357483 2004 HZ_{24}	16.9	X	289.82058	68.04155	189.17680	8.19125	0.2907895	0.22304057	2.6928581	21	1 21.2	21.4
357484 2004 HO_{37}	16.4	X	281.81524	81.15626	115.84799	12.67376	0.2119211	0.21531172	2.7569207	21	—	—
357485 2004 JA_{29}	16.4	X	227.01979	173.74851	64.55647	9.57947	0.1831534	0.21001638	2.8030699	21	—	—
357486 2004 JM_{31}	16.3	X	246.67116	30.31158	212.10758	9.24188	0.1677094	0.21295290	2.7772417	21	—	—
357487 2004 JG_{39}	15.2	X	324.62829	159.27301	108.54786	13.90055	0.0734945	0.17227811	3.1987673	21	4 29.9	19.7
357488 2004 JR_{47}	16.8	X	221.56602	165.99881	78.50305	4.98704	0.0494546	0.20988825	2.8042106	21	—	—
357489 2004 KH	16.2	X	250.74581	59.35755	220.47666	12.25202	0.1243386	0.21730820	2.7400089	21	1 25.2	20.8
357490 2004 KN_{9}	16.8	X	233.48376	229.96370	40.51410	8.53084	0.2752097	0.21242301	2.7818584	21	—	—
357491 2004 LH_{9}	16.5	X	191.07542	90.83289	176.44843	12.17762	0.0186246	0.20691536	2.8310067	21	—	—
357492 2004 NL_{7}	17.8	X	86.70328	154.07169	145.41164	6.29313	0.2226489	0.30475234	2.1869458	21	12 24.3	21.2
357493 2004 NH_{29}	15.7	X	37.95673	178.75802	147.91377	18.04744	0.1689757	0.18214033	3.0822318	21	11 14.2	20.1
357494 2004 OY_{10}	15.7	X	65.63322	180.20611	127.23522	12.45527	0.2587752	0.18304598	3.0720568	21	12 3.1	20.5
357495 2004 PG_{16}	15.0	X	346.64051	17.00279	347.50273	11.51888	0.1444981	0.17543976	3.1602203	21	9 27.8	18.7
357496 2004 PK_{30}	17.8	X	70.53359	315.72789	327.79401	7.29043	0.1465019	0.29685176	2.2255788	21	11 6.1	20.9
357497 2004 PP_{31}	15.7	X	91.91155	156.31746	143.72463	11.03528	0.1104960	0.18661650	3.0327459	21	12 4.5	20.4
357498 2004 PK_{36}	17.0	X	233.25162	184.14649	189.45663	5.76074	0.2562776	0.27672147	2.3322449	21	4 25.7	21.0
357499 2004 PM_{40}	15.4	X	76.74443	150.44549	167.66587	14.31101	0.2642409	0.18448207	3.0560933	21	12 23.9	20.6
357500 2004 PT_{82}	17.5	X	342.45718	349.49489	345.98716	4.78751	0.1660854	0.28953265	2.2629295	21	8 25.6	18.8
357501 2004 PO_{83}	15.4	X	19.84743	336.36843	349.76212	17.65604	0.2428950	0.17653626	3.1471210	21	10 13.3	19.1
357502 2004 PW_{85}	17.9	X	342.69133	183.22670	179.58298	5.39704	0.2231770	0.29230794	2.2485833	21	10 18.9	18.9
357503 2004 PA_{95}	15.9	X	40.10203	8.00811	304.59836	8.55562	0.1040547	0.17947342	3.1126907	21	10 10.8	20.2
357504 2004 PL_{98}	17.2	X	1.37172	337.48336	355.54814	7.31959	0.2034734	0.29287526	2.2456785	21	10 9.2	18.7
357505 2004 PG_{107}	15.7	X	12.61113	326.70247	18.48598	14.66598	0.1544755	0.17759516	3.1345989	21	10 20.1	19.5
357506 2004 PK_{110}	17.4	X	88.60421	306.64386	3.58127	4.06067	0.1942846	0.30357724	2.1925857	21	—	—
357507 2004 PX_{112}	15.8	X	38.27749	155.96650	180.52874	16.85934	0.1295546	0.18227441	3.0807201	21	11 18.3	20.1
357508 2004 QP_{7}	18.0	X	71.79422	314.29567	344.14296	1.32265	0.1693712	0.29902257	2.2147943	21	12 3.1	20.9
357509 2004 RT_{2}	17.6	X	265.66689	32.96583	341.18538	5.12780	0.2687296	0.28026360	2.3125524	21	5 21.4	21.2
357510 2004 RD_{10}	17.8	X	158.18109	52.65930	213.05397	1.76117	0.2433647	0.30977644	2.1632355	21	—	—
357511 2004 RQ_{14}	15.9	X	350.93041	178.21461	163.61843	29.34207	0.1919412	0.17419368	3.1752733	21	9 8.1	19.2
357512 2004 RQ_{32}	17.9	X	306.88524	234.26023	136.99958	6.72326	0.2450475	0.28701975	2.2761184	21	7 18.9	19.8
357513 2004 RX_{39}	16.5	X	25.56990	325.90904	22.23176	3.57829	0.2127149	0.18011861	3.1052530	21	11 23.1	20.2
357514 2004 RH_{54}	15.6	X	77.52889	126.54630	176.58142	21.99948	0.0904715	0.18282541	3.0745272	21	11 20.8	20.4
357515 2004 RL_{80}	15.9	X	34.80190	157.63908	163.29232	16.68096	0.1771870	0.17971345	3.1099184	21	11 2.0	20.2
357516 2004 RZ_{82}	17.7	X	108.21899	277.99316	11.37094	3.78972	0.1858997	0.30370118	2.1919891	21	12 28.7	21.2
357517 2004 RX_{85}	17.2	X	211.13330	229.43267	187.63680	5.01462	0.1774096	0.27820685	2.3239360	21	6 4.4	21.0
357518 2004 RU_{96}	16.1	X	16.72244	92.44725	244.81962	6.42535	0.2077230	0.17864515	3.1223043	21	10 23.6	19.6
357519 2004 RU_{98}	16.4	X	25.86068	139.53253	189.46498	9.79853	0.1955337	0.17783421	3.1317891	21	10 29.4	20.2
357520 2004 RJ_{104}	16.0	X	27.83068	2.87538	326.58227	9.83569	0.2132276	0.17710774	3.1403473	21	10 29.5	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
357521 2004 RA_{105}	17.3	X	328.37805	51.86296	259.64623	6.20317	0.1366585	0.28202053	2.3029380	21	6 14.2	19.5
357522 2004 RV_{111}	16.6	X	265.74214	23.46621	329.60763	25.59756	0.2199155	0.27633019	2.3344459	21	4 14.7	20.9
357523 2004 RT_{113}	17.6	X	275.54957	195.93273	177.95888	2.00814	0.2216426	0.28328384	2.2960862	21	6 8.6	20.5
357524 2004 RS_{139}	17.7	X	261.27942	214.46600	157.10383	1.92360	0.2464092	0.27937466	2.3174553	21	5 18.1	21.1
357525 2004 RO_{140}	15.8	X	55.75943	344.53802	300.22109	5.58533	0.0846964	0.17557644	3.1585800	21	9 25.2	20.2
357526 2004 RQ_{141}	17.8	X	247.81336	239.83470	141.75108	2.85403	0.1435972	0.27933149	2.3176941	21	5 28.2	21.0
357527 2004 RF_{144}	17.2	X	51.33736	276.09305	41.83391	5.61315	0.1807571	0.29637012	2.2279893	21	12 6.4	20.0
357528 2004 RC_{153}	17.6	X	23.23433	46.33541	275.12612	4.69247	0.1333448	0.29336760	2.2431654	21	10 22.5	20.0
357529 2004 RR_{161}	16.1	X	43.76407	114.84468	177.73788	15.77695	0.0521969	0.17420614	3.1751219	21	9 17.1	20.4
357530 2004 RK_{164}	17.4	X	254.02069	355.42302	30.96967	6.37061	0.1966365	0.28032380	2.3122213	21	6 3.2	20.9
357531 2004 RV_{172}	15.9	X	196.58609	20.34254	198.46823	9.78926	0.0528538	0.18817092	3.0160211	21	12 13.9	20.4
357532 2004 RQ_{176}	16.1	X	85.66975	133.72387	200.10335	7.97322	0.1049360	0.18838266	3.0137607	21	—	—
357533 2004 RL_{185}	15.6	X	331.19166	37.22943	333.15158	11.93985	0.1201512	0.17461616	3.1701497	21	9 9.6	19.5
357534 2004 RO_{186}	17.6	X	241.62290	44.12575	319.05847	6.53937	0.1278763	0.27505066	2.3416802	21	4 24.2	21.2
357535 2004 RO_{196}	15.0	X	15.67626	94.57772	225.35678	13.43982	0.0952974	0.17171752	3.2057253	21	9 12.2	19.4
357536 2004 RV_{202}	16.4	X	137.92096	86.49124	160.00521	6.22404	0.0450328	0.18274297	3.0754518	21	11 13.9	20.9
357537 2004 RJ_{238}	16.2	X	10.23797	332.81271	339.48649	5.78780	0.1086768	0.17171568	3.2057482	21	8 30.7	20.1
357538 2004 RP_{240}	16.1	X	60.14259	281.04912	351.98104	9.54159	0.0539590	0.17339162	3.1850577	21	9 14.5	20.3
357539 2004 RJ_{256}	17.7	X	277.46655	26.20269	6.30903	3.73918	0.1726083	0.28477936	2.2880405	21	7 16.8	20.3
357540 2004 RC_{267}	18.0	X	210.14503	93.27320	328.41263	3.35779	0.1939768	0.27718628	2.3296369	21	6 7.9	21.7
357541 2004 RO_{278}	15.6	X	63.02938	101.63089	188.12022	11.05155	0.0654327	0.17678966	3.1441130	21	10 11.7	20.0
357542 2004 RP_{300}	15.9	X	100.23813	268.20563	4.55419	7.34882	0.0536718	0.17971057	3.1099516	21	10 31.2	20.5
357543 2004 RV_{317}	17.5	X	215.67867	192.65131	232.62678	5.59357	0.1589543	0.27923564	2.3182244	21	6 19.9	21.0
357544 2004 RN_{322}	17.4	X	339.41154	88.02916	234.48014	4.97989	0.1819220	0.28550688	2.2841520	21	7 20.9	19.1
357545 2004 RV_{324}	17.5	X	268.17128	36.92026	335.45230	5.01804	0.1610839	0.27949268	2.3168029	21	6 5.1	20.6
357546 Edwardhalbach	15.8	X	102.89765	103.74370	185.48630	9.98019	0.0938092	0.18562125	3.0435767	21	11 30.7	20.5
357547 2004 ST_{20}	15.5	X	76.69538	304.10563	14.84181	13.36061	0.2849894	0.18261660	3.0768705	21	12 26.3	20.7
357548 2004 SP_{32}	17.6	X	225.71835	218.51350	152.87817	2.73001	0.2187434	0.27182485	2.3601699	21	4 18.7	21.4
357549 2004 SG_{34}	16.2	X	112.66071	22.91089	224.98011	8.32958	0.1019814	0.18017871	3.1045624	21	10 20.6	21.0
357550 2004 SW_{43}	15.7	X	81.39511	102.03714	188.94413	16.35573	0.1441793	0.18059391	3.0998021	21	11 15.7	20.5
357551 2004 SO_{44}	17.5	X	193.53847	158.16025	244.61679	2.25032	0.2330295	0.27092025	2.3654207	21	4 30.1	21.5
357552 2004 SR_{46}	17.7	X	29.46090	62.98723	256.95899	4.33357	0.1544487	0.29305729	2.2447485	21	11 4.2	20.0
357553 2004 SH_{50}	15.1	X	5.63951	325.61082	16.16328	12.96083	0.0571720	0.17233893	3.1980146	21	9 29.4	19.3
357554 2004 SR_{58}	17.5	X	251.74923	41.48874	12.72622	21.93488	0.0836891	0.40334843	1.8141888	21	8 13.9	19.8
357555 2004 TS_{26}	15.5	X	33.60728	140.78723	194.85091	15.71486	0.0969673	0.17716583	3.1396608	21	11 4.6	19.7
357556 2004 TU_{29}	17.2	X	190.85184	86.57662	21.80148	7.05654	0.1390262	0.27969475	2.3156869	21	7 25.9	20.7
357557 2004 TM_{31}	17.9	X	146.19670	223.64257	330.22855	3.66417	0.0949986	0.28708029	2.2757984	21	9 28.4	21.1
357558 2004 TE_{32}	15.7	X	28.86110	98.99997	227.79693	7.19310	0.0548346	0.17274551	3.1929948	21	10 8.9	20.1
357559 2004 TB_{34}	18.1	X	155.55421	210.33278	216.58695	2.67221	0.1751077	0.26661270	2.3908307	21	4 25.8	21.8
357560 2004 TQ_{43}	17.0	X	308.17062	352.56679	6.30775	5.41022	0.0918705	0.28195119	2.3033155	21	7 30.9	19.4
357561 2004 TR_{44}	17.6	X	171.11309	219.20847	220.11092	4.35215	0.0843399	0.27072336	2.3665675	21	5 23.5	20.9
357562 2004 TE_{63}	16.1	X	60.58383	304.29044	19.05300	4.70996	0.2154681	0.17979101	3.1090239	21	12 7.7	20.7
357563 2004 TF_{79}	17.3	X	246.04420	346.15085	39.76817	6.82914	0.2549881	0.27631110	2.3345535	21	5 20.5	21.0
357564 2004 TC_{81}	16.6	X	165.59605	282.96054	343.48951	2.93692	0.2636481	0.19091294	2.9870728	21	12 30.4	22.0
357565 2004 TL_{85}	17.9	X	341.71608	104.96367	202.67801	4.47742	0.1757963	0.28324930	2.2962728	21	7 1.7	19.7
357566 2004 TQ_{88}	17.3	X	74.34861	249.16957	28.01828	6.40202	0.1353610	0.29320199	2.2440099	21	11 2.5	20.1
357567 2004 TC_{95}	17.5	X	184.98282	225.46206	203.72137	3.72657	0.1314106	0.27178438	2.3604043	21	5 26.4	20.9
357568 2004 TL_{134}	17.0	X	163.54691	237.30260	208.70493	10.30233	0.2188594	0.26759769	2.3849603	21	5 30.9	21.0
357569 2004 TC_{136}	17.1	X	323.24479	73.70974	275.68695	5.00729	0.1986471	0.28476055	2.2881413	21	7 26.7	18.7
357570 2004 TZ_{142}	17.9	X	182.54080	68.76214	35.52329	2.03386	0.1448757	0.27638233	2.3341523	21	7 9.7	21.4
357571 2004 TD_{145}	17.2	X	230.67714	301.10290	51.27131	3.60736	0.1453070	0.26841330	2.3801265	21	4 2.7	20.8
357572 2004 TF_{153}	16.9	X	150.81182	194.70523	14.95088	7.87892	0.1073318	0.29181060	2.2511374	21	10 24.9	20.0
357573 2004 TZ_{164}	15.4	X	100.11764	280.77669	357.25567	10.33009	0.1318836	0.18087100	3.0966355	21	11 12.9	20.3
357574 2004 TJ_{167}	17.7	X	189.97297	138.91338	0.90056	4.92753	0.0770581	0.28652455	2.2787402	21	9 7.8	20.7
357575 2004 TX_{170}	17.5	X	263.79925	342.21740	60.18520	5.88676	0.1635123	0.28082377	2.3094761	21	7 13.5	20.6
357576 2004 TH_{174}	15.4	X	125.80926	264.59752	13.22767	15.89128	0.1371766	0.18455809	3.0552540	21	12 8.0	20.6
357577 2004 TP_{231}	16.6	X	55.66019	280.74581	13.77535	7.77263	0.1121162	0.28994533	2.2607818	21	10 28.8	19.3
357578 2004 TJ_{232}	15.5	X	23.62606	300.46849	25.60834	15.38870	0.1381992	0.17169448	3.2060121	21	10 13.1	19.4
357579 2004 TG_{241}	17.5	X	238.03233	29.02177	350.37908	5.88518	0.2631256	0.27415615	2.3467710	21	5 3.6	21.6
357580 2004 TS_{243}	15.4	X	86.32981	265.85885	36.43253	16.21648	0.2548345	0.18029381	3.1032410	21	12 9.8	20.7
357581 2004 TF_{251}	16.1	X	350.77438	157.45884	210.61535	10.03202	0.0628044	0.17371951	3.1810487	21	10 9.1	20.3
357582 2004 TV_{284}	15.8	X	60.61618	252.52215	20.66948	13.19903	0.1697014	0.17189333	3.2035391	21	10 3.6	20.2
357583 2004 TV_{301}	17.0	X	277.67245	114.57603	245.30415	6.17366	0.1315734	0.27737247	2.3285942	21	6 5.2	19.7
357584 2004 TS_{347}	16.0	X	287.52054	78.36290	247.46998	24.22419	0.0606922	0.27106921	2.3645541	21	5 12.2	19.1
357585 2004 VB_{8}	17.0	X	180.28895	359.88484	60.79040	7.99842	0.1752737	0.26816289	2.3816079	21	5 11.8	20.8
357586 2004 VH_{10}	17.7	X	201.58601	228.58059	159.37349	1.45413	0.1946089	0.26864471	2.3787594	21	4 19.1	21.5
357587 2004 VF_{18}	17.8	X	145.86230	47.78497	30.40657	5.52418	0.1634179	0.26478016	2.4018493	21	4 29.4	21.3
357588 2004 VS_{26}	17.6	X	198.96876	50.46778	354.76752	4.77381	0.1983018	0.26912782	2.3759118	21	5 6.7	21.5
357589 2004 VK_{55}	17.6	X	201.37156	40.49098	11.03276	20.22091	0.1342873	0.38684109	1.8654387	21	5 4.5	20.3
357590 2004 VS_{57}	17.4	X	233.14048	157.13136	233.31788	5.99915	0.1663110	0.27267195	2.3552792	21	5 22.1	20.9
357591 2004 VD_{76}	17.1	X	303.35737	120.69329	243.05407	6.01793	0.1880646	0.28294198	2.2979352	21	7 10.2	19.4
357592 2004 VX_{76}	17.4	X	218.72578	264.80652	124.04179	3.36708	0.1912405	0.27055091	2.3675730	21	5 6.1	21.1
357593 2004 XM_{20}	17.5	X	154.13081	26.47814	70.53861	2.46769	0.1954396	0.26524270	2.3990562	21	6 3.9	21.4
357594 2004 XL_{35}	19.5	X	181.27918	356.19011	73.76515	27.29894	0.2784308	0.62458774	1.3554195	21	5 18.4	20.7
357595 2004 XO_{43}	17.6	X	160.77370	196.67464	255.62969	1.55943	0.1769714	0.26675009	2.3900097	21	6 3.1	21.4
357596 2004 XX_{75}	17.4	X	110.79105	38.26692	62.51015	3.14659	0.1894778	0.25895315	2.4377467	21	4 25.0	20.7
357597 2004 XM_{80}	17.3	X	186.49819	300.40371	110.22627	3.38120	0.1804946	0.26505473	2.4001903	21	5 5.4	21.2
357598 2004 XW_{104}	16.6	X	73.70375	83.31319	77.38772	8.25518	0.1630956	0.25729638	2.4482002	21	5 23.2	19.4
357599 2005 AA	16.9	X	78.18962	0.76950	164.48946	1.24504	0.1282896	0.25958460	2.4337918	21	5 30.2	19.7
357600 2005 AN_{2}	17.3	X	165.54888	3.27641	92.31056	3.60969	0.1695028	0.26400798	2.4065304	21	6 11.8	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
357601 2005 AZ_{10}	17.2	X	157.92532	289.57140	127.52161	3.61061	0.2221792	0.25859777	2.4399796	21	4 20.9	21.1
357602 2005 AN_{36}	16.6	X	14.79252	18.38637	102.68721	6.84801	0.0959645	0.24217612	2.5490705	21	—	—
357603 2005 AJ_{62}	17.1	X	132.57143	9.31502	94.16003	24.62679	0.0788381	0.37813025	1.8939787	21	5 12.6	19.6
357604 2005 AZ_{76}	16.6	X	60.88277	303.35652	114.86368	13.66111	0.1762594	0.24072750	2.5592865	21	—	—
357605 2005 BK_{1}	16.2	X	271.79527	84.38219	91.93746	27.71229	0.3017490	0.22602775	2.6690797	21	12 26.6	19.0
357606 2005 BR_{13}	16.5	X	23.88519	198.57827	310.91148	14.37000	0.0680245	0.24565144	2.5249717	21	2 2.5	19.4
357607 2005 BD_{21}	17.3	X	98.18406	175.10673	337.55954	4.07599	0.1514966	0.25956183	2.4339342	21	6 12.9	20.6
357608 2005 BW_{23}	17.5	X	156.69302	41.97487	22.67476	2.74915	0.2448020	0.26004631	2.4309102	21	4 28.6	21.4
357609 2005 BF_{29}	18.1	X	109.15961	335.48206	124.47872	3.47444	0.1681573	0.25544531	2.4600131	21	4 20.1	21.3
357610 2005 CU_{18}	16.8	X	113.20491	25.44270	135.67267	13.78104	0.0650624	0.26265599	2.4147815	21	7 2.4	20.1
357611 2005 CC_{20}	17.8	X	196.07553	74.90890	330.08790	19.70296	0.0763645	0.37772670	1.8953275	21	4 13.4	20.6
357612 2005 CY_{37}	17.8	X	217.69497	47.23431	330.21871	19.76519	0.0994504	0.37738259	1.8964795	21	3 31.4	20.6
357613 2005 CM_{60}	17.6	X	127.21045	182.54035	309.85926	0.87807	0.1380700	0.26104238	2.4247225	21	6 18.7	21.0
357614 2005 CT_{61}	17.3	X	41.44861	353.41826	149.35461	23.38439	0.0357937	0.36605513	1.9354044	21	1 22.7	19.3
357615 2005 EG_{2}	17.1	X	176.49792	25.54697	338.99605	18.56971	0.0785894	0.36551748	1.9373018	21	2 6.5	19.3
357616 2005 EA_{15}	16.1	X	348.92751	353.16026	161.81962	21.99306	0.0165396	0.23775714	2.5805583	21	—	—
357617 2005 EY_{15}	17.4	X	264.17952	163.55827	163.24367	22.54996	0.0881089	0.37270107	1.9123276	21	3 31.4	19.6
357618 2005 EM_{30}	19.1	X	23.17280	293.07123	1.80299	53.08337	0.3368387	0.74667873	1.2033174	21	—	—
357619 2005 EZ_{70}	17.3	X	49.53421	129.67183	320.35433	18.87426	0.0872074	0.36064230	1.9547217	21	—	—
357620 2005 EA_{77}	17.4	X	33.95371	154.75829	346.81972	18.88527	0.1621283	0.24342342	2.5403554	21	2 13.9	19.9
357621 2005 EG_{94}	18.7	X	155.64647	38.37282	332.03395	10.74386	0.4647799	0.48481476	1.6047923	21	2 15.8	20.0
357622 2005 EY_{95}	20.3	X	229.07849	342.07903	72.91192	3.16951	0.5382728	0.87386111	1.0835304	21	5 19.1	20.8
357623 2005 EB_{140}	16.1	X	329.13919	218.11760	38.48536	19.95231	0.1783197	0.24597696	2.5227435	21	3 30.6	19.2
357624 2005 EK_{153}	17.2	X	200.56522	344.17206	34.05221	22.27414	0.0271182	0.37142782	1.9166954	21	3 31.5	19.4
357625 2005 EZ_{187}	16.7	X	186.56444	199.34003	198.97988	8.66238	0.0529341	0.24746884	2.5125943	21	4 17.1	20.0
357626 2005 EE_{199}	17.6	X	170.87605	197.66917	194.03202	21.63518	0.0915902	0.36510086	1.9387753	21	3 3.6	20.1
357627 2005 ET_{204}	17.3	X	283.63046	264.23503	1.91483	14.57378	0.1605411	0.23905365	2.5712194	21	2 13.1	21.3
357628 2005 EH_{224}	17.1	X	8.84679	98.36204	71.85124	5.33159	0.1516566	0.24302390	2.5431388	21	2 2.4	19.7
357629 2005 EL_{250}	17.5	X	177.82060	252.97450	193.61842	21.73080	0.1256963	0.37926445	1.8902009	21	6 7.9	20.4
357630 2005 EH_{257}	17.2	X	280.74381	311.83189	341.97598	4.41467	0.2396782	0.24220689	2.5488545	21	3 2.1	21.1
357631 2005 EU_{280}	16.9	X	331.25217	188.16057	28.43824	10.35958	0.1332396	0.24308428	2.5427176	21	2 10.6	20.2
357632 2005 ET_{288}	17.1	X	232.90822	69.30252	175.39093	0.94527	0.0575056	0.22843434	2.6503005	21	—	—
357633 2005 GP_{6}	17.0	X	323.60130	184.17452	42.32715	8.67845	0.1157978	0.23972639	2.5664067	21	2 15.7	20.4
357634 2005 GT_{6}	16.2	X	172.57570	348.07975	41.54857	10.22414	0.1237557	0.24249753	2.5468175	21	3 28.7	20.1
357635 2005 GW_{8}	16.6	X	5.58042	260.58705	216.06041	27.51875	0.3706029	0.23388880	2.6089341	21	—	—
357636 2005 GF_{36}	17.8	X	281.60691	339.35848	290.02046	0.56632	0.1393500	0.24149990	2.5538266	21	2 11.4	21.5
357637 2005 GM_{52}	16.8	X	249.53846	297.86886	34.19761	11.97199	0.3099864	0.23763526	2.5814406	21	3 21.9	21.5
357638 2005 GD_{94}	16.5	X	131.77908	328.41805	21.51251	10.72809	0.1535041	0.22956504	2.6415908	21	—	—
357639 2005 GM_{98}	16.6	X	324.26551	217.45016	32.24975	18.91974	0.1673933	0.24139806	2.5545449	21	3 16.8	20.0
357640 2005 GZ_{104}	16.8	X	81.70005	105.99588	31.68457	14.70269	0.0700243	0.24681650	2.5170195	21	4 18.2	19.7
357641 2005 GY_{115}	17.1	X	341.88156	34.73981	190.84133	10.75600	0.0749918	0.24324600	2.5415905	21	3 12.6	20.2
357642 2005 GT_{124}	16.3	X	325.83639	119.50830	118.53757	14.45388	0.1486740	0.24230488	2.5481673	21	2 27.9	19.5
357643 2005 GG_{126}	16.6	X	319.88053	19.84267	202.42281	18.96820	0.1157166	0.23870052	2.5737546	21	1 27.1	20.4
357644 2005 GU_{128}	17.4	X	38.38855	73.21478	83.39947	24.21624	0.0763405	0.36429569	1.9416310	21	2 17.3	19.6
357645 2005 GT_{130}	16.3	X	21.13897	41.37823	163.90448	17.87925	0.1622244	0.24490916	2.5300709	21	4 23.6	18.9
357646 2005 GK_{136}	17.9	X	20.22296	268.56654	198.02387	20.75831	0.1541509	0.35245607	1.9848730	21	—	—
357647 2005 GE_{154}	17.4	X	316.91889	93.38181	118.63518	5.04124	0.1815447	0.23556982	2.5965077	21	1 6.3	20.7
357648 2005 GF_{154}	16.6	X	7.97121	192.11711	11.34776	29.85266	0.1793435	0.24399053	2.5364175	21	3 23.6	19.0
357649 2005 GQ_{154}	16.4	X	331.86756	98.54042	100.75455	7.79308	0.0603137	0.23846245	2.5754673	21	1 27.6	19.6
357650 2005 GJ_{172}	17.2	X	81.42078	337.33113	117.80616	3.36404	0.0958662	0.23990034	2.5651660	21	2 23.5	20.3
357651 2005 GT_{204}	16.3	X	245.18028	240.19922	33.95110	15.48492	0.1262522	0.23173473	2.6250765	21	1 17.7	20.7
357652 2005 HL_{10}	17.2	X	311.92472	293.50958	313.49366	2.99100	0.1877024	0.23961647	2.5671915	21	2 11.7	20.7
357653 2005 JK_{19}	16.7	X	310.68388	89.88395	146.63910	5.73070	0.1014756	0.23672457	2.5880570	21	2 9.9	20.1
357654 2005 JZ_{19}	16.3	X	12.09574	62.39095	108.54762	12.21052	0.1400220	0.23941100	2.5686601	21	2 12.2	19.0
357655 2005 JL_{58}	16.2	X	307.87927	161.69783	84.56248	8.44193	0.0799932	0.23814766	2.5777364	21	2 25.9	19.7
357656 2005 JZ_{60}	13.7	X	32.12943	233.63985	120.18129	9.43762	0.1096098	0.08380078	5.1717480	21	11 11.6	20.3
357657 2005 JD_{68}	17.1	X	322.41591	247.24203	31.52341	6.08720	0.2322420	0.24319701	2.5419318	21	4 3.4	20.1
357658 2005 JX_{68}	16.9	X	245.00904	126.50481	166.88954	12.94065	0.2530779	0.23112960	2.6296564	21	1 30.0	21.6
357659 2005 JT_{76}	17.2	X	328.83320	197.76553	47.36700	5.06792	0.1690050	0.24063181	2.5599650	21	3 10.1	20.2
357660 2005 JS_{86}	16.7	X	281.73265	111.74082	153.12912	15.53303	0.1845771	0.23375607	2.6099216	21	2 1.4	20.8
357661 2005 JG_{94}	15.9	X	337.70902	95.03707	129.15651	15.47855	0.1328510	0.23918170	2.5703016	21	3 1.5	19.0
357662 2005 JZ_{102}	16.9	X	358.46549	100.11622	120.47550	8.13491	0.2481596	0.24238170	2.5476289	21	3 17.9	19.1
357663 2005 JW_{108}	16.5	X	266.74986	74.39247	209.93371	29.02122	0.3060497	0.23196929	2.6233066	21	1 26.9	21.7
357664 2005 JG_{109}	16.2	X	21.68945	16.39096	142.48576	28.67678	0.1737071	0.23835617	2.5762329	21	2 8.7	18.5
357665 2005 JV_{109}	17.3	X	296.46669	105.75181	159.72043	5.49791	0.2699525	0.23704043	2.5857573	21	2 7.2	21.2
357666 2005 JQ_{119}	17.4	X	250.49645	56.98465	172.44642	5.22185	0.0973849	0.22462304	2.6801958	21	—	—
357667 2005 JX_{120}	16.8	X	38.35846	332.70125	175.66884	5.48721	0.0448549	0.23664403	2.5886441	21	2 24.7	20.1
357668 2005 JS_{128}	17.0	X	321.64597	200.70387	58.75314	12.28984	0.2421400	0.24255249	2.5464329	21	3 11.4	20.4
357669 2005 JW_{132}	17.2	X	301.44326	156.40767	120.12792	5.95047	0.2162297	0.23868413	2.5738724	21	3 7.4	20.7
357670 2005 JU_{133}	16.1	X	260.00989	213.88772	70.48964	15.08152	0.1588818	0.23356644	2.6113340	21	2 12.7	20.4
357671 2005 JL_{147}	16.4	X	208.02234	176.31266	128.17229	15.10576	0.0966041	0.22702701	2.6612420	21	1 15.7	20.6
357672 2005 JN_{150}	16.5	X	253.80225	185.95748	64.96433	15.55698	0.0843840	0.22883771	2.6471852	21	—	—
357673 2005 JW_{156}	16.5	X	354.42952	74.90947	88.50738	12.60862	0.1338588	0.23294957	2.6159420	21	1 2.8	19.6
357674 2005 JB_{157}	17.3	X	66.18269	286.15533	206.22727	21.30615	0.0455978	0.36153334	1.9515087	21	2 12.7	19.7
357675 2005 JB_{164}	16.6	X	314.31935	122.59023	90.45692	12.49657	0.1326811	0.23383079	2.6093655	21	1 12.1	20.2
357676 2005 JJ_{175}	16.6	X	250.91517	142.01410	155.10009	14.14776	0.1520264	0.23248361	2.6194362	21	2 14.2	20.8
357677 2005 LS_{1}	16.1	X	281.34598	4.45368	214.16013	13.77774	0.0434114	0.22691783	2.6620955	21	—	—
357678 2005 LG_{3}	16.0	X	10.62994	74.60348	116.20905	27.79448	0.1976688	0.23977462	2.5660626	21	3 11.5	18.9
357679 2005 LV_{49}	17.0	X	299.72646	65.67196	166.40126	8.84886	0.0518788	0.23201086	2.6229932	21	1 28.3	20.6
357680 2005 MN_{17}	16.6	X	310.36580	91.34408	122.97257	13.71031	0.2219777	0.22723325	2.6596315	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
357681 2005 MR_{19}	16.5	X	82.96180	181.79261	165.74616	12.31171	0.0790713	0.21245745	2.7815577	21	—	—
357682 2005 MA_{28}	16.9	X	234.85210	88.56381	159.15152	9.94302	0.1534455	0.21809244	2.7334364	21	—	—
357683 2005 MM_{35}	16.2	X	72.72849	41.94215	303.90948	5.47503	0.1072373	0.20349826	2.8626105	21	—	—
357684 2005 MY_{35}	16.4	X	9.23988	280.33310	115.70025	12.83022	0.0828098	0.20062767	2.8898513	21	12 18.4	20.2
357685 2005 NY_{4}	16.7	X	211.84743	173.41136	122.24566	6.53606	0.0681460	0.22030144	2.7151333	21	1 9.8	20.7
357686 2005 NQ_{9}	17.3	X	255.65562	103.17321	174.55404	2.25013	0.1754740	0.22539452	2.6740764	21	1 26.1	21.5
357687 2005 ND_{11}	16.6	X	295.68464	81.14137	120.71462	11.31741	0.1517597	0.22277151	2.6950260	21	—	—
357688 2005 NJ_{25}	16.3	X	316.34016	217.14791	162.22256	10.05564	0.1211019	0.18673580	3.0314541	21	8 30.9	20.0
357689 2005 NZ_{25}	16.8	X	85.08146	180.18316	155.83227	7.51921	0.2922634	0.20228624	2.8740335	21	—	—
357690 2005 NA_{27}	16.7	X	178.65164	340.81778	273.08631	6.36365	0.0097205	0.20845309	2.8170668	21	—	—
357691 2005 NR_{56}	17.1	X	134.61133	185.21198	131.94252	4.69222	0.0932404	0.20912824	2.8110005	21	—	—
357692 2005 NE_{64}	16.6	X	58.78982	151.32830	194.02353	4.70275	0.1114883	0.20072030	2.8889622	21	12 22.9	20.7
357693 2005 NF_{68}	16.2	X	186.88549	323.55119	339.02352	12.67162	0.1780500	0.21633663	2.7482064	21	—	—
357694 2005 OL_{17}	16.2	X	256.14667	105.07423	158.55499	13.26055	0.1505980	0.22198348	2.7014003	21	1 11.5	20.7
357695 2005 OO_{17}	16.3	X	326.16353	80.41910	299.35915	8.63440	0.1168506	0.18712615	3.0272367	21	9 13.1	20.0
357696 2005 OQ_{21}	16.4	X	254.34996	299.18208	336.61489	12.34587	0.2465860	0.22421954	2.6834103	21	1 22.1	21.1
357697 2005 OF_{25}	16.3	X	267.39973	113.61928	151.69275	13.32530	0.2486342	0.22555595	2.6728004	21	1 16.3	20.9
357698 2005 OP_{31}	16.9	X	140.40287	60.23050	254.54838	2.74028	0.0907468	0.20945625	2.8080650	21	—	—
357699 2005 PQ_{2}	16.0	X	64.22067	32.34097	319.00373	7.54536	0.2315853	0.20030527	2.8929513	21	—	—
357700 2005 PY_{10}	16.2	X	222.21294	282.61086	331.76721	12.88449	0.1604822	0.21479014	2.7613820	21	—	—
357701 2005 PT_{15}	16.1	X	30.32249	31.74422	339.74978	11.42242	0.0715763	0.19739758	2.9212911	21	12 12.6	20.2
357702 2005 PX_{18}	16.9	X	260.89612	149.91742	143.96249	5.63305	0.2594138	0.22837056	2.6507940	21	2 13.2	21.5
357703 2005 PT_{23}	16.3	X	176.18496	290.90871	6.31070	5.06102	0.1852856	0.21238409	2.7821981	21	—	—
357704 2005 PF_{29}	16.8	X	203.06293	275.25003	27.54547	7.68043	0.2417003	0.21871941	2.7282102	21	1 15.4	21.7
357705 2005 QF_{4}	16.0	X	170.05209	317.58086	340.75903	12.92015	0.1850448	0.21027783	2.8007460	21	—	—
357706 2005 QX_{15}	16.7	X	358.41687	203.98605	170.56928	10.26032	0.1529359	0.19017441	2.9948012	21	11 10.0	20.2
357707 2005 QO_{18}	16.4	X	87.42227	168.63458	168.01830	10.41766	0.0681282	0.19890905	2.9064734	21	—	—
357708 2005 QH_{32}	17.1	X	281.42829	285.89870	337.77485	5.95591	0.3403269	0.22794768	2.6540714	21	1 20.2	21.7
357709 2005 QM_{34}	16.2	X	324.95439	79.44455	333.01751	9.20580	0.1087995	0.19064071	2.9899157	21	10 25.7	19.9
357710 2005 QS_{34}	16.8	X	134.87602	136.15204	167.72143	6.40840	0.1955631	0.20546506	2.8443130	21	—	—
357711 2005 QU_{40}	16.2	X	224.12557	129.27896	173.25808	11.73561	0.3025626	0.22194883	2.7016814	21	1 25.9	21.4
357712 2005 QB_{41}	16.2	X	204.74283	148.25629	178.61137	9.47932	0.2354906	0.21959012	2.7209936	21	2 9.6	21.0
357713 2005 QN_{43}	16.4	X	173.46056	152.17984	173.08530	14.35754	0.1788522	0.21449671	2.7638998	21	1 12.7	21.1
357714 2005 QS_{52}	16.5	X	174.24045	287.66910	13.80912	8.29911	0.2767456	0.21114114	2.7931064	21	—	—
357715 2005 QO_{62}	16.7	X	117.11629	308.68230	3.89797	4.21131	0.1563045	0.20304698	2.8668503	21	—	—
357716 2005 QG_{63}	16.1	X	313.48551	341.38445	3.26235	9.59853	0.0932452	0.17861787	3.1226222	21	7 16.5	20.3
357717 2005 QO_{78}	16.1	X	284.06390	45.26334	350.20329	17.16302	0.2432519	0.17735881	3.1373830	21	7 21.4	20.7
357718 2005 QK_{81}	16.8	X	336.92386	187.29987	165.38262	13.12445	0.1689165	0.18384394	3.0631611	21	8 26.1	20.1
357719 2005 QJ_{111}	16.6	X	330.48872	211.55736	168.17548	11.43201	0.1114404	0.18503911	3.0499568	21	9 26.1	20.2
357720 2005 QZ_{116}	16.5	X	286.26390	353.21650	154.55624	2.36460	0.0062228	0.20261767	2.8708985	21	—	—
357721 2005 QU_{126}	16.3	X	359.58550	80.02092	339.73564	8.74296	0.0157995	0.19952050	2.9005322	21	12 27.9	20.4
357722 2005 QS_{127}	18.5	X	314.33511	336.97303	73.90423	1.67697	0.1388863	0.31227118	2.1516986	21	11 3.3	19.7
357723 2005 QB_{133}	16.7	X	301.92182	21.98784	36.78169	3.99460	0.1371047	0.18606685	3.0387156	21	9 28.9	20.4
357724 2005 QN_{134}	16.0	X	128.76835	241.53178	358.47086	11.13633	0.0309984	0.18987808	2.9979162	21	10 21.9	20.5
357725 2005 QW_{136}	16.8	X	77.59299	280.35403	42.73449	2.93164	0.1258461	0.19586352	2.9365248	21	12 17.8	21.2
357726 2005 QH_{137}	16.5	X	348.48382	56.81324	7.67810	10.46334	0.0247627	0.19619064	2.9332598	21	12 18.2	20.7
357727 2005 QB_{138}	16.2	X	46.27327	151.57025	159.85993	9.07646	0.0591091	0.18806202	3.0171853	21	10 19.7	20.3
357728 2005 QB_{139}	16.2	X	291.88389	290.70760	163.47957	9.95938	0.0926891	0.19064259	2.9898961	21	11 6.5	20.2
357729 2005 QW_{172}	16.6	X	91.08548	340.43657	349.15502	11.41299	0.1970380	0.19876860	2.9078424	21	—	—
357730 2005 QC_{181}	15.9	X	348.83133	181.49940	217.78542	10.29483	0.0960300	0.18964644	3.0003569	21	11 20.6	19.6
357731 2005 QO_{189}	16.2	X	241.08215	279.12188	338.63384	12.96445	0.1825053	0.21740255	2.7392160	21	—	—
357732 2005 RO_{5}	16.2	X	357.80715	207.22113	168.19244	8.91026	0.2173968	0.18825837	3.0150870	21	11 15.4	19.4
357733 2005 RS_{10}	16.0	X	194.78127	312.07581	359.04317	10.57755	0.1890433	0.21403931	2.7678360	21	1 19.0	20.7
357734 2005 RZ_{18}	16.5	X	144.39145	282.57509	359.52485	10.75043	0.0780032	0.20067813	2.8893668	21	—	—
357735 2005 RR_{27}	15.4	X	293.20560	24.12112	356.18921	14.56060	0.2854216	0.17560810	3.1582005	21	7 4.2	20.0
357736 2005 RJ_{40}	16.0	X	102.92054	324.93289	339.42561	12.04145	0.0903549	0.19912717	2.9043505	21	12 19.4	20.6
357737 2005 RQ_{42}	15.8	X	212.38296	285.18802	180.61169	25.61099	0.2709355	0.17280600	3.1922496	21	7 28.7	21.7
357738 2005 RJ_{47}	17.0	X	223.63577	345.68872	176.27081	9.60045	0.0791423	0.19116477	2.9844489	21	11 5.4	21.4
357739 2005 RQ_{47}	16.5	X	265.72207	199.32227	21.94280	16.64294	0.2246034	0.21087607	2.7954465	21	—	—
357740 2005 SR_{7}	16.3	X	324.83690	134.26950	240.59452	1.30147	0.2365889	0.18061891	3.0995162	21	8 26.2	19.3
357741 2005 SO_{14}	16.2	X	298.52385	317.70887	52.44422	2.38924	0.1767425	0.17640957	3.1486275	21	7 13.7	20.4
357742 2005 SU_{15}	16.3	X	290.11563	101.65515	359.90724	8.28094	0.0861418	0.18995530	2.9971037	21	11 8.4	20.3
357743 2005 SS_{31}	15.9	X	304.47008	12.44126	32.82557	10.27776	0.0702279	0.18135226	3.0911546	21	9 25.1	20.0
357744 2005 SN_{33}	15.7	X	278.09480	18.04670	39.94012	12.99330	0.1618865	0.17706260	3.1408810	21	8 25.1	20.2
357745 2005 SJ_{50}	15.7	X	341.04616	327.01458	21.91894	12.13243	0.2016546	0.18020596	3.1042495	21	9 3.3	19.0
357746 2005 SV_{51}	15.8	X	320.94724	332.34194	29.56544	9.66179	0.0988031	0.17661034	3.1462408	21	8 21.5	19.9
357747 2005 SW_{53}	16.0	X	251.58791	81.54356	17.96760	9.03405	0.1375160	0.17930546	3.1146341	21	9 13.6	20.5
357748 2005 SP_{58}	16.3	X	184.87788	302.24260	8.64736	6.88312	0.2352363	0.21200866	2.7854817	21	1 11.6	21.2
357749 2005 SD_{64}	16.5	X	292.25892	209.77023	196.50467	9.35119	0.0919469	0.17942337	3.1132695	21	8 30.9	20.8
357750 2005 SK_{71}	16.7	X	357.49084	9.13097	12.61842	10.79151	0.0685943	0.18948514	3.0020594	21	11 5.9	20.6
357751 2005 SW_{73}	15.7	X	313.84046	59.15656	327.26806	12.62559	0.1839863	0.18005012	3.1060404	21	8 27.2	19.2
357752 2005 SQ_{74}	16.4	X	348.83453	191.86255	184.83627	9.37210	0.0682747	0.18703196	3.0282530	21	10 21.8	20.3
357753 2005 SD_{80}	16.7	X	130.13225	147.05365	144.38879	2.71690	0.0536566	0.19809426	2.9144378	21	12 30.0	21.1
357754 2005 SV_{85}	15.9	X	150.50682	227.37840	18.35378	11.31029	0.0413350	0.19216657	2.9740675	21	11 23.8	20.4
357755 2005 SZ_{90}	16.0	X	256.16127	49.96018	20.76707	12.59613	0.1418726	0.17488573	3.1668912	21	8 16.0	20.8
357756 2005 SY_{91}	15.8	X	234.84130	82.95114	19.80645	11.98815	0.1207331	0.17653671	3.1471156	21	9 3.0	20.6
357757 2005 SR_{92}	16.0	X	219.45484	302.52263	202.50649	9.82351	0.0363623	0.18424066	3.0587623	21	10 12.6	20.5
357758 2005 SJ_{100}	15.8	X	359.32700	338.66011	5.73663	12.06456	0.0964020	0.18179924	3.0860858	21	9 25.4	19.5
357759 2005 SJ_{108}	15.9	X	139.04828	85.94702	198.60265	9.85511	0.0738146	0.19725296	2.9227188	21	12 30.6	20.5
357760 2005 SB_{109}	15.6	X	248.44304	82.83709	13.73626	14.17539	0.1709663	0.17747701	3.1359898	21	9 4.6	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
357761 2005 SR_{109}	16.6	X	261.38690	62.09921	14.01080	3.78802	0.1152741	0.17740910	3.1367901	21	8 28.4	21.0
357762 2005 SM_{110}	16.3	X	303.32158	0.81148	13.04493	0.72183	0.0459607	0.17652592	3.1472438	21	8 12.9	20.6
357763 2005 SF_{119}	15.9	X	278.34210	226.34636	167.92130	15.05340	0.3005340	0.17510323	3.1642682	21	6 29.5	20.9
357764 2005 SL_{125}	15.8	X	201.53836	291.31627	18.87335	13.83626	0.1929721	0.21472304	2.7619573	21	1 25.0	20.7
357765 2005 SC_{128}	16.3	X	285.47049	209.17136	186.25669	14.72252	0.2236814	0.17687725	3.1430749	21	7 18.2	20.9
357766 2005 SS_{129}	15.6	X	46.90060	298.64677	24.40309	13.74236	0.0834870	0.18666652	3.0322041	21	11 2.4	19.7
357767 2005 SS_{130}	15.7	X	234.13413	104.02994	27.73704	16.61120	0.0532812	0.18338590	3.0682595	21	10 13.5	20.0
357768 2005 ST_{147}	16.3	X	304.31096	221.88766	181.83213	4.72231	0.1051538	0.18019945	3.1043242	21	9 14.5	20.1
357769 2005 SW_{159}	15.4	X	315.93056	330.68107	333.73979	10.56362	0.1990048	0.17167536	3.2062501	21	5 6.1	19.6
357770 2005 SE_{160}	16.5	X	209.82548	277.52277	194.76956	15.42645	0.2037804	0.17401763	3.1774146	21	8 6.1	22.0
357771 2005 SM_{170}	16.0	X	42.43952	191.00309	215.98988	7.04171	0.0728222	0.20023912	2.8935884	21	—	—
357772 2005 SN_{176}	16.4	X	190.41344	298.02157	255.36818	4.09618	0.0798911	0.18949937	3.0019090	21	11 4.1	20.9
357773 2005 SU_{182}	15.8	X	290.28519	68.47169	10.48865	11.56408	0.0414532	0.18486034	3.0519229	21	10 16.7	19.9
357774 2005 SJ_{183}	15.7	X	271.09390	73.83885	13.10702	12.32373	0.1300735	0.18119333	3.0929620	21	9 22.4	20.0
357775 2005 SH_{194}	16.1	X	334.10040	169.02837	210.03477	10.08955	0.0951789	0.18167045	3.0875442	21	9 28.2	20.0
357776 2005 SX_{199}	16.1	X	357.71286	167.34516	179.35299	11.77535	0.1804730	0.18532709	3.0467965	21	9 30.8	19.3
357777 2005 SS_{211}	16.3	X	215.39407	98.19410	22.69188	12.02015	0.0245611	0.17824908	3.1269277	21	9 13.2	20.8
357778 2005 SJ_{212}	16.4	X	200.03314	254.85000	210.22368	4.79534	0.1565393	0.16950726	3.2335321	21	7 24.3	21.8
357779 2005 SS_{230}	15.8	X	282.88667	249.60153	196.56415	10.64623	0.0836901	0.18529957	3.0470981	21	10 12.4	19.9
357780 2005 SQ_{231}	15.4	X	345.27669	168.25954	210.31916	9.28983	0.0569608	0.18297467	3.0728550	21	10 16.4	19.3
357781 2005 SB_{254}	17.1	X	259.32730	309.59842	329.08472	5.64628	0.3012472	0.22543955	2.6737203	21	1 24.2	21.9
357782 2005 SJ_{257}	16.3	X	347.67482	325.02234	39.79037	3.28210	0.2140549	0.18483156	3.0522397	21	10 6.7	19.2
357783 2005 SE_{258}	16.7	X	12.90175	197.83375	169.91115	9.00841	0.1462838	0.19029579	2.9935276	21	11 23.9	20.4
357784 2005 ST_{279}	18.9	X	337.67992	257.81209	144.88251	2.61352	0.1614110	0.31245764	2.1508426	21	12 13.7	20.3
357785 2005 SA_{282}	15.9	X	338.07754	198.66562	171.96883	16.76218	0.0797806	0.18147532	3.0897570	21	9 26.8	19.7
357786 2005 SR_{283}	15.7	X	229.35259	325.02751	166.60175	17.02141	0.1471422	0.17951684	3.1121887	21	9 26.5	20.4
357787 2005 SX_{284}	16.1	X	98.95184	195.62518	95.94973	11.75473	0.0588975	0.18937415	3.0032323	21	11 27.3	20.5
357788 2005 ST_{292}	16.8	X	191.97627	178.69316	106.65723	2.16531	0.2249315	0.20974215	2.8055127	21	—	—
357789 2005 SF_{293}	16.4	X	35.50287	211.33714	152.52397	13.57018	0.2440542	0.19290932	2.9664287	21	—	—
357790 2005 TX_{2}	16.2	X	91.24383	334.32675	345.37793	8.73023	0.1105292	0.19646330	2.9305452	21	12 27.3	20.7
357791 2005 TE_{6}	15.3	X	343.18875	65.59519	258.22191	11.10250	0.1066040	0.17674567	3.1446347	21	7 28.6	19.3
357792 2005 TX_{24}	16.3	X	200.18860	115.84974	41.23317	4.05416	0.1217675	0.17955685	3.1117263	21	9 29.9	21.2
357793 2005 TY_{29}	15.9	X	289.31930	240.26170	163.11597	27.20805	0.1916027	0.17908315	3.1172113	21	8 8.9	20.3
357794 2005 TO_{32}	16.6	X	271.24472	249.82214	165.09287	9.75437	0.0993408	0.17756627	3.1349388	21	8 13.7	21.1
357795 2005 TP_{56}	16.1	X	281.07323	78.30281	340.40190	9.26679	0.0905107	0.18035003	3.1025960	21	9 3.2	20.1
357796 2005 TE_{59}	16.1	X	258.90217	49.49553	45.00403	5.30507	0.1210390	0.17891696	3.1191412	21	9 17.9	20.5
357797 2005 TP_{60}	16.7	X	50.55117	82.21198	259.35693	3.19146	0.0729307	0.19182291	2.9776186	21	12 1.3	20.9
357798 2005 TW_{78}	15.2	X	322.31156	321.31388	64.11728	24.36500	0.1789527	0.17945039	3.1129569	21	9 28.9	19.3
357799 2005 TW_{85}	16.1	X	296.25730	211.70739	209.34714	10.47551	0.0856495	0.18264644	3.0765353	21	9 26.3	20.2
357800 2005 TG_{86}	16.1	X	263.34587	40.46704	22.31705	9.70545	0.0274490	0.17599035	3.1536257	21	8 29.5	20.6
357801 2005 TV_{88}	16.0	X	169.43721	137.15289	175.30346	14.80217	0.1149078	0.20902473	2.8119285	21	—	—
357802 2005 TM_{98}	15.5	X	303.74963	21.14764	23.86123	17.78931	0.2021618	0.17776519	3.1325997	21	9 10.8	19.5
357803 2005 TP_{129}	16.6	X	74.32471	105.84137	210.01610	4.18029	0.1323136	0.19065786	2.9897365	21	12 6.1	21.0
357804 2005 TG_{130}	16.3	X	294.48637	353.64884	33.32696	9.68812	0.0803325	0.17531700	3.1616954	21	8 17.4	20.7
357805 2005 TJ_{136}	16.4	X	49.72354	220.71887	117.97511	2.20529	0.0393066	0.19068436	2.9894594	21	11 22.4	20.4
357806 2005 TW_{143}	16.3	X	251.98464	121.96187	44.39877	11.73835	0.1381630	0.19246335	2.9710093	21	12 2.4	20.4
357807 2005 TB_{155}	15.8	X	273.15176	67.07220	356.65047	10.20293	0.1587573	0.17755495	3.1350721	21	8 22.7	20.2
357808 2005 TM_{157}	16.5	X	157.80348	216.29474	6.43195	7.66210	0.0408178	0.18826579	3.0150078	21	11 4.3	20.9
357809 2005 TS_{161}	15.9	X	237.93686	68.97502	14.44929	10.44758	0.0620375	0.17443324	3.1723655	21	8 19.5	20.6
357810 2005 TJ_{162}	16.8	X	58.02253	310.15667	14.97192	9.56405	0.0204862	0.18769675	3.0210985	21	11 10.1	21.1
357811 2005 TP_{164}	18.3	X	264.63838	222.45819	230.72602	4.46512	0.1690657	0.30507529	2.1854021	21	9 25.6	20.6
357812 2005 TM_{166}	16.1	X	129.96242	23.21207	222.54902	5.24536	0.1106563	0.18649757	3.0340351	21	11 6.6	20.8
357813 2005 TD_{172}	16.0	X	314.27664	21.21305	18.28343	10.80548	0.1807751	0.18014980	3.1048946	21	9 19.5	19.6
357814 2005 TZ_{181}	16.3	X	249.38688	284.20718	195.12569	10.58685	0.0458427	0.18430276	3.0580752	21	10 16.4	20.5
357815 2005 TH_{187}	16.7	X	188.42875	190.87439	62.20877	2.98420	0.0615452	0.20053304	2.8907604	21	—	—
357816 2005 TC_{191}	16.1	X	349.01794	327.48316	29.15308	9.78301	0.0481277	0.18209297	3.0827663	21	9 26.9	20.1
357817 2005 TJ_{192}	16.1	X	62.96352	342.20252	9.72012	10.81888	0.0774644	0.19325516	2.9628886	21	12 30.5	20.5
357818 2005 TD_{194}	16.4	X	189.82471	93.36436	19.51339	9.35188	0.1079063	0.17033528	3.2230446	21	7 30.1	21.6
357819 2005 UY_{23}	16.2	X	191.71786	162.19419	8.93148	2.41011	0.1455832	0.18074004	3.0981311	21	10 6.1	21.1
357820 2005 UC_{27}	16.2	X	303.56269	70.63364	313.11480	4.32521	0.1831347	0.17596254	3.1539580	21	8 7.0	20.0
357821 2005 UP_{27}	15.6	X	23.85059	70.22730	222.07184	7.91826	0.0642159	0.17526884	3.1622745	21	8 18.5	19.9
357822 2005 UQ_{29}	15.3	X	320.54716	171.18372	222.37562	7.83414	0.1127836	0.17928462	3.1148755	21	9 23.5	19.1
357823 2005 UT_{40}	15.9	X	43.75491	229.19039	63.43085	10.66091	0.0828340	0.17560132	3.1582818	21	9 27.5	20.3
357824 2005 UL_{50}	15.5	X	289.66964	16.11273	19.28600	7.20982	0.1178332	0.17479588	3.1679762	21	8 14.6	19.8
357825 2005 UA_{55}	15.7	X	196.38514	299.83212	31.88821	15.09340	0.2981652	0.21493314	2.7601570	21	2 19.3	21.0
357826 2005 UR_{56}	15.8	X	47.67760	350.88328	0.58844	9.73413	0.1048232	0.19023235	2.9941931	21	12 13.1	20.1
357827 2005 UA_{64}	16.4	X	116.33276	42.00022	215.61573	5.02797	0.1081598	0.18281296	3.0746669	21	11 6.8	21.1
357828 2005 UV_{82}	16.2	X	269.49293	214.00249	213.91753	9.07380	0.0642436	0.17692861	3.1424666	21	8 31.0	20.8
357829 2005 UQ_{86}	16.4	X	271.19272	320.95918	78.79719	2.46831	0.1693760	0.17291647	3.1908898	21	7 16.5	20.8
357830 2005 UC_{94}	16.0	X	156.25889	208.64091	26.21986	12.64495	0.0540338	0.18680957	3.0306559	21	11 16.3	20.6
357831 2005 UJ_{107}	17.9	X	295.82369	211.95907	206.63519	6.59700	0.1096450	0.30467253	2.1873277	21	10 8.2	19.8
357832 2005 UU_{107}	16.2	X	320.72217	168.76143	211.60789	10.37809	0.1357103	0.17742750	3.1365732	21	9 2.8	20.3
357833 2005 UA_{110}	18.0	X	304.10795	149.39346	270.14400	3.98216	0.0885455	0.30557214	2.1830326	21	10 26.7	20.0
357834 2005 UE_{124}	17.7	X	319.85680	41.44207	31.92702	7.02032	0.0337544	0.31224273	2.1518294	21	12 17.3	20.0
357835 2005 UF_{127}	16.2	X	339.91294	5.27351	7.79822	0.71450	0.1872647	0.18044111	3.1015520	21	9 29.7	19.4
357836 2005 UH_{131}	16.0	X	226.05165	230.77667	239.21912	7.83543	0.0317907	0.17462004	3.1701026	21	9 3.2	20.6
357837 2005 UQ_{135}	16.8	X	218.66043	85.90661	202.98141	9.27253	0.1686426	0.21388732	2.7691471	21	1 8.4	21.5
357838 2005 UY_{135}	16.6	X	50.49113	198.34384	149.30904	1.50141	0.0667374	0.19178187	2.9780433	21	12 8.1	20.7
357839 2005 UJ_{141}	15.7	X	329.72421	207.73675	203.14039	11.09202	0.1198348	0.18375211	3.0641815	21	11 4.1	19.3
357840 2005 UH_{147}	15.7	X	16.26909	294.18580	34.64300	11.42512	0.1281050	0.18037791	3.1022763	21	10 6.9	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
357841 2005 UZ_{150}	16.0	X	2.22293	78.24488	248.42627	3.81467	0.1368400	0.17676207	3.1444401	21	9 5.3	19.7
357842 2005 UH_{152}	16.9	X	247.16747	120.24587	315.39331	0.98988	0.0974064	0.17140591	3.2096094	21	8 11.7	21.6
357843 2005 UA_{165}	16.6	X	343.73501	37.62486	310.77645	0.64839	0.1074848	0.17803199	3.1294693	21	9 4.2	20.2
357844 2005 UC_{184}	16.5	X	15.88558	161.85795	195.62810	0.84515	0.1674307	0.18479228	3.0526722	21	11 15.2	20.0
357845 2005 UZ_{189}	16.5	X	285.20354	8.39525	40.43216	1.34484	0.1788724	0.17474979	3.1685333	21	8 14.0	20.6
357846 2005 UQ_{190}	16.4	X	121.69099	270.70751	45.85118	11.92517	0.1203555	0.19607633	2.9343997	21	—	—
357847 2005 UJ_{191}	16.3	X	233.58180	215.48968	233.71750	4.52994	0.1016310	0.17129382	3.2110095	21	8 10.9	21.2
357848 2005 UE_{195}	15.8	X	16.69118	305.02542	55.99711	11.25961	0.0957619	0.18417436	3.0594963	21	11 12.5	19.5
357849 2005 UU_{200}	15.7	X	150.10677	148.91647	56.41353	7.39240	0.1081831	0.17894255	3.1188439	21	10 10.9	20.6
357850 2005 UV_{208}	15.8	X	297.39311	23.09360	41.99721	13.57042	0.0531082	0.18211791	3.0824849	21	10 12.6	20.0
357851 2005 UX_{219}	15.7	X	183.87001	267.43807	231.88295	16.37747	0.1116290	0.17217745	3.2000139	21	8 15.6	21.0
357852 2005 UJ_{220}	16.0	X	209.15862	226.94593	253.80156	6.00634	0.1100083	0.17294386	3.1905529	21	8 22.3	21.1
357853 2005 UD_{227}	16.0	X	183.91027	178.69934	53.62174	7.58110	0.1008569	0.19083298	2.9879071	21	12 12.6	20.5
357854 2005 UK_{227}	16.0	X	173.28057	143.11803	57.82261	6.46601	0.0952334	0.18255470	3.0775660	21	10 27.3	20.7
357855 2005 UU_{235}	16.2	X	58.21431	220.77223	118.38264	4.57739	0.1172297	0.18858447	3.0116103	21	12 13.6	20.4
357856 2005 UG_{250}	15.8	X	317.97115	51.70481	326.38338	15.40486	0.2216431	0.17969920	3.1100828	21	8 19.3	19.2
357857 2005 UG_{255}	16.3	X	79.39222	264.73019	38.96825	8.52235	0.0943787	0.18983747	2.9983437	21	11 21.1	20.7
357858 2005 UG_{258}	15.9	X	235.61599	20.51790	52.65490	10.35367	0.1059362	0.17063972	3.2192099	21	7 28.3	20.9
357859 2005 UH_{263}	16.6	X	215.69962	289.60826	179.46302	4.15534	0.0878180	0.17297902	3.1901206	21	8 18.3	21.4
357860 2005 UK_{268}	15.4	X	252.48779	41.75444	51.98260	12.12076	0.0576308	0.17759200	3.1346360	21	9 21.9	20.0
357861 2005 UH_{279}	15.6	X	234.54405	49.95776	49.71649	9.74950	0.0330215	0.17519985	3.1631046	21	9 9.3	20.2
357862 2005 UH_{287}	16.4	X	82.65087	97.67315	190.75992	8.14787	0.0688650	0.18553403	3.0445305	21	11 4.9	20.7
357863 2005 UY_{290}	15.8	X	263.74042	223.49459	254.56080	9.31914	0.0685564	0.18329846	3.0692352	21	10 26.6	20.1
357864 2005 UW_{294}	17.9	X	241.73611	152.53280	14.72418	2.97996	0.1110865	0.31278875	2.1493244	21	12 21.9	20.2
357865 2005 UL_{301}	18.2	X	300.02100	324.11165	127.05144	4.42265	0.1193776	0.30971626	2.1635157	21	12 9.4	19.9
357866 2005 UE_{308}	16.0	X	35.98586	296.45597	47.75066	11.04210	0.0387265	0.18395597	3.0619173	21	11 10.2	20.2
357867 2005 UB_{310}	16.2	X	109.56040	196.95794	56.97258	11.79630	0.0292342	0.18013998	3.1050074	21	10 22.0	20.7
357868 2005 UQ_{330}	18.2	X	211.30195	341.97041	205.50092	3.82433	0.0163979	0.31215397	2.1522372	21	12 21.8	20.7
357869 2005 UW_{336}	16.4	X	335.80943	161.04283	192.17752	4.71030	0.1082599	0.17584743	3.1553343	21	8 27.0	20.2
357870 2005 US_{342}	15.8	X	309.15319	58.24349	8.48179	10.08775	0.0335866	0.18552060	3.0446775	21	10 26.5	19.9
357871 2005 UN_{365}	16.5	X	331.76656	295.48574	97.12773	4.59091	0.0400940	0.18136104	3.0910549	21	10 17.9	20.6
357872 2005 UG_{367}	15.2	X	170.45010	118.01828	61.10964	16.86394	0.0480855	0.17822368	3.1272249	21	10 6.0	20.1
357873 2005 UC_{369}	15.8	X	237.43235	54.25592	65.84324	11.50962	0.0237962	0.17875125	3.1210686	21	10 10.1	20.4
357874 2005 UH_{378}	16.4	X	210.51161	34.41584	126.78274	2.15575	0.1137722	0.18045849	3.1013528	21	10 15.5	21.0
357875 2005 UL_{384}	15.3	X	35.97856	299.65819	35.57939	10.32692	0.1059313	0.18300764	3.0724859	21	11 6.9	19.3
357876 2005 UW_{384}	15.9	X	119.63029	188.36573	50.72771	11.90894	0.0571344	0.17896395	3.1185953	21	10 17.9	20.5
357877 2005 UO_{416}	16.0	X	268.56438	19.85622	50.85562	17.35935	0.0687711	0.17655371	3.1469136	21	9 15.1	20.7
357878 2005 UV_{420}	16.6	X	218.72232	354.44472	139.74129	1.70604	0.1195332	0.17570359	3.1570561	21	9 20.0	21.4
357879 2005 UK_{432}	16.7	X	205.82066	15.80908	69.06233	4.53262	0.1927898	0.16465180	3.2967934	21	7 5.1	22.1
357880 2005 UL_{437}	16.8	X	132.54462	239.62091	59.31443	4.45263	0.1732134	0.19955769	2.9001719	21	—	—
357881 2005 UC_{440}	15.6	X	220.00955	179.00200	351.09013	9.35929	0.0341244	0.18865980	3.0108085	21	11 10.7	20.1
357882 2005 UH_{441}	15.6	X	357.50678	34.13170	299.30347	16.47743	0.2119301	0.18178332	3.0862660	21	9 3.0	19.0
357883 2005 UJ_{444}	15.8	X	341.56036	43.45215	325.37932	10.78483	0.1230453	0.17952796	3.1120602	21	9 23.4	19.6
357884 2005 UB_{467}	15.9	X	53.71300	5.32262	262.43226	7.74030	0.0560899	0.17349551	3.1837861	21	8 26.8	20.4
357885 2005 UY_{475}	15.7	X	13.31722	211.59374	149.31746	12.57532	0.1361667	0.18610521	3.0382980	21	11 15.7	19.6
357886 2005 UW_{476}	15.9	X	326.59511	204.53246	198.60327	9.64550	0.0894274	0.18257852	3.0772982	21	10 20.5	19.8
357887 2005 UK_{477}	16.2	X	34.12254	145.72081	193.87200	10.40374	0.0861847	0.18570527	3.0426586	21	11 10.0	20.3
357888 2005 UN_{512}	15.4	X	111.29550	0.27649	249.59420	16.33456	0.1199686	0.17910960	3.1169043	21	10 20.5	20.4
357889 2005 UD_{515}	16.1	X	192.11796	303.31664	169.62558	14.62638	0.0975445	0.16952932	3.2332516	21	7 27.7	21.3
357890 2005 UE_{517}	16.9	X	173.59049	46.56853	173.43424	11.21813	0.0158793	0.19067261	2.9895823	21	11 24.2	21.3
357891 2005 UG_{519}	16.4	X	334.33734	211.68639	172.53086	15.80168	0.0540987	0.18135810	3.0910883	21	10 10.4	20.5
357892 2005 UQ_{519}	16.1	X	86.14644	140.66873	170.60963	11.45261	0.0700231	0.19149183	2.9810497	21	12 7.5	20.6
357893 2005 UT_{519}	15.9	X	265.16672	291.52717	133.10592	12.48206	0.0598818	0.17376859	3.1804497	21	8 26.5	20.3
357894 2005 UO_{520}	16.2	X	84.58001	128.29942	173.91319	9.98031	0.0396463	0.19016890	2.9948590	21	11 21.6	20.6
357895 2005 UH_{521}	16.4	X	56.50382	206.74176	112.12845	3.14944	0.0439415	0.18880714	3.0092419	21	11 7.5	20.5
357896 2005 UL_{522}	16.7	X	298.45661	247.47126	167.93792	2.15923	0.0870146	0.18353808	3.0665633	21	9 24.3	20.5
357897 2005 UF_{524}	16.1	X	208.06958	11.99078	162.79286	11.89348	0.0297062	0.18573986	3.0422809	21	11 8.9	20.6
357898 2005 VX_{17}	15.2	X	293.39112	272.08325	121.04727	19.65153	0.1543576	0.17370472	3.1812292	21	8 9.3	19.4
357899 2005 VZ_{26}	15.2	X	183.63507	311.27197	220.40783	26.37114	0.1392975	0.17938577	3.1137045	21	9 25.3	20.5
357900 2005 VV_{31}	16.1	X	202.74565	69.33330	76.18344	1.77860	0.1261093	0.17405029	3.1770171	21	9 17.5	21.0
357901 2005 VT_{40}	16.0	X	323.94716	155.42578	218.30976	9.03827	0.1020891	0.17542844	3.1603563	21	9 2.2	20.2
357902 2005 VJ_{56}	16.8	X	104.58076	225.58398	57.68359	4.69799	0.0782594	0.18689291	3.0297549	21	11 22.9	21.1
357903 2005 VP_{65}	17.0	X	166.16192	167.65903	108.96656	3.20208	0.0590287	0.19702275	2.9249950	21	—	—
357904 2005 VC_{67}	18.2	X	258.72306	110.49672	26.59500	3.87440	0.0396828	0.31188465	2.1534760	21	12 14.8	20.4
357905 2005 VY_{69}	18.0	X	355.15080	204.99068	171.36936	2.67381	0.1957811	0.30941172	2.1649351	21	12 12.1	19.6
357906 2005 VZ_{85}	15.8	X	135.31706	313.53059	208.13605	9.30823	0.1994749	0.16227563	3.3288982	21	8 4.1	21.4
357907 2005 VB_{94}	15.9	X	218.17602	122.37631	40.17095	9.99811	0.0749376	0.18327640	3.0694814	21	10 28.8	20.4
357908 2005 VM_{110}	16.2	X	181.76943	156.44967	54.22875	9.15929	0.1374856	0.18601813	3.0392461	21	11 13.6	20.9
357909 2005 VZ_{116}	16.3	X	181.65126	130.34699	49.03098	8.90048	0.0388791	0.17930528	3.1146362	21	10 13.2	20.8
357910 2005 VJ_{127}	16.6	X	226.21461	153.21648	39.38457	7.22620	0.1717772	0.19618279	2.9333381	21	12 1.9	21.2
357911 2005 VR_{131}	16.0	X	86.83386	221.88001	75.86921	10.94757	0.0913553	0.18976890	2.9990659	21	11 23.9	20.3
357912 2005 WY_{2}	15.5	X	316.98173	33.99464	14.23431	13.49059	0.1578620	0.17957829	3.1114787	21	10 5.8	19.0
357913 2005 WQ_{4}	15.4	X	260.92444	107.70759	304.12994	15.35398	0.1934811	0.17166959	3.2063220	21	7 17.5	20.1
357914 2005 WQ_{8}	16.6	X	178.92395	127.12340	39.39810	0.71214	0.0974862	0.17485513	3.1672606	21	9 20.0	21.5
357915 2005 WH_{16}	16.0	X	322.81405	123.74838	247.81915	6.21680	0.1531795	0.17457974	3.1705905	21	8 23.9	20.0
357916 2005 WB_{31}	15.9	X	164.45311	288.97931	275.14269	6.08133	0.1012027	0.17718100	3.1394816	21	10 17.9	20.9
357917 2005 WD_{37}	16.0	X	179.10239	45.59038	102.85981	3.34008	0.1497115	0.16802385	3.2525359	21	8 29.1	21.2
357918 2005 WS_{41}	15.4	X	102.24063	193.93521	55.73928	11.35794	0.1308820	0.17862724	3.1225130	21	10 19.0	20.2
357919 2005 WU_{43}	15.6	X	265.93570	350.01298	62.73338	6.73833	0.1677369	0.17049664	3.2210107	21	7 28.2	20.3
357920 2005 WQ_{44}	15.4	X	89.57746	10.43841	246.75471	8.59018	0.0200855	0.17638221	3.1489531	21	9 23.1	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
357921 2005 WV_{48}	18.7	X	236.07755	48.60079	53.56802	2.52752	0.1439251	0.29766107	2.2215428	21	9 5.5	21.4
357922 2005 WL_{69}	18.1	X	309.12499	184.12326	230.65562	0.85622	0.0987073	0.30444441	2.1884202	21	10 29.3	19.9
357923 2005 WE_{75}	18.2	X	357.12946	330.16647	31.71592	4.47296	0.1845338	0.30827762	2.1702414	21	11 19.4	19.8
357924 2005 WF_{123}	16.0	X	209.58135	160.03113	36.26862	14.37307	0.0834647	0.19100159	2.9861485	21	11 26.0	20.5
357925 2005 WZ_{129}	18.2	X	109.23267	64.72199	244.56681	3.06718	0.1648945	0.31775590	2.1268668	21	—	—
357926 2005 WN_{138}	16.7	X	117.51066	272.13226	294.76369	0.81640	0.0351938	0.17057369	3.2200407	21	8 30.4	21.3
357927 2005 WO_{143}	15.5	X	162.38047	149.00172	69.46151	10.83104	0.0965023	0.17994637	3.1072342	21	11 6.9	20.3
357928 2005 WX_{144}	15.6	X	154.08519	169.64043	63.23630	14.74624	0.1030163	0.18138078	3.0908306	21	11 15.0	20.4
357929 2005 WO_{146}	15.9	X	317.16350	327.18795	58.58708	10.28613	0.0916666	0.17458264	3.1705554	21	9 17.7	20.1
357930 2005 WT_{159}	16.2	X	340.84033	254.15872	103.75887	2.26478	0.1831428	0.17622281	3.1508517	21	9 11.0	19.6
357931 2005 WV_{159}	17.7	X	209.71954	74.11771	73.63592	6.63047	0.1120917	0.30052460	2.2074084	21	10 13.1	20.6
357932 2005 WX_{210}	18.5	X	181.21650	303.21562	184.59499	1.11499	0.1472759	0.29155369	2.2524596	21	8 8.7	21.8
357933 2005 XV_{46}	15.6	X	72.74359	212.06152	63.86455	9.55443	0.0809372	0.17372861	3.1809377	21	10 11.8	20.2
357934 2005 XR_{55}	16.7	X	113.26478	184.51711	37.83153	1.81765	0.1255135	0.17167537	3.2062501	21	9 23.5	21.5
357935 2005 XP_{111}	17.6	X	41.27300	225.32789	1.75249	2.12049	0.1690940	0.27068967	2.3667638	21	7 6.1	19.6
357936 2005 YL_{5}	18.3	X	227.47070	61.39610	48.90257	3.15628	0.1059150	0.29726578	2.2235118	21	9 11.5	21.2
357937 2005 YJ_{12}	18.2	X	253.41060	168.82597	278.29275	5.17048	0.1061295	0.29745683	2.2225596	21	9 8.5	20.9
357938 2005 YO_{22}	17.9	X	173.97172	84.82723	96.14202	5.09761	0.1214794	0.29552331	2.2322434	21	10 15.8	21.1
357939 2005 YU_{36}	17.9	X	322.26301	77.18920	305.49347	3.79596	0.1463105	0.29793133	2.2201992	21	9 27.3	19.6
357940 2005 YZ_{49}	18.4	X	270.01285	224.64952	210.90371	1.43529	0.1072902	0.30003134	2.2098271	21	9 19.3	20.7
357941 2005 YL_{51}	18.1	X	214.52591	197.57489	270.63976	1.24017	0.1722101	0.29122910	2.2541330	21	8 14.8	21.2
357942 2005 YO_{51}	15.7	X	42.39309	239.20688	88.48094	13.11652	0.1140589	0.17993144	3.1074060	21	11 11.7	20.0
357943 2005 YJ_{53}	18.0	X	261.38471	120.51853	307.42015	1.88732	0.1336335	0.29446565	2.2375854	21	8 20.6	20.6
357944 2005 YZ_{55}	16.2	X	151.78146	263.56172	56.39559	9.63140	0.2251763	0.20113453	2.8849943	21	—	—
357945 2005 YF_{59}	17.4	X	98.51652	165.26950	84.49858	5.78958	0.1120506	0.29400907	2.2399014	21	10 25.5	20.4
357946 2005 YA_{61}	16.1	X	47.70770	266.45531	70.46909	11.51070	0.1205706	0.18461032	3.0546777	21	11 27.9	20.3
357947 2005 YX_{76}	15.7	X	182.27234	242.59764	300.53618	9.80227	0.0348841	0.17303452	3.1894384	21	10 10.2	20.6
357948 2005 YD_{106}	18.2	X	180.02003	331.70245	208.38092	1.15933	0.0766905	0.29795148	2.2200990	21	10 21.6	21.2
357949 2005 YZ_{135}	17.9	X	306.07347	340.45470	76.88304	4.39007	0.0960258	0.30096045	2.2052768	21	10 28.9	19.8
357950 2005 YO_{165}	17.0	X	197.51330	53.94151	108.60313	20.64101	0.1663769	0.29623016	2.2286910	21	10 21.3	20.8
357951 2005 YJ_{173}	18.0	X	200.01582	96.62641	51.66666	5.38938	0.2535292	0.29429105	2.2384704	21	9 20.4	21.7
357952 2005 YT_{179}	18.1	X	158.06013	157.47325	309.88138	5.60450	0.0613323	0.28115372	2.3076689	21	6 13.4	21.2
357953 2005 YG_{187}	17.6	X	28.68031	140.18578	112.35297	6.91889	0.0782755	0.28371640	2.2937518	21	7 9.7	19.8
357954 2005 YG_{229}	17.5	X	134.28937	92.37886	130.45735	5.27451	0.1434611	0.29126037	2.2539716	21	10 29.2	20.9
357955 2005 YP_{274}	18.2	X	273.09650	26.41287	357.96247	1.65695	0.1445524	0.28854577	2.2680863	21	7 2.4	21.0
357956 2006 AN_{11}	16.7	X	196.47503	122.18717	359.89350	25.71164	0.2859994	0.28784043	2.2717900	21	8 22.2	21.0
357957 2006 AK_{37}	18.1	X	248.24647	97.73017	308.16419	3.82953	0.1147099	0.28711513	2.2756143	21	7 4.9	21.2
357958 2006 AD_{63}	17.2	X	188.81262	169.87042	73.25147	4.09971	0.1042976	0.30950080	2.1645197	21	—	—
357959 2006 AC_{69}	18.6	X	199.45836	304.02144	201.49899	1.29024	0.1596467	0.29514675	2.2341417	21	9 19.8	21.9
357960 2006 BR_{2}	17.0	X	201.98287	214.59617	285.56416	5.79691	0.1071756	0.29139845	2.2532596	21	9 16.4	20.2
357961 2006 BG_{7}	18.1	X	287.40467	337.25548	115.49215	5.19579	0.0560728	0.30131084	2.2035667	21	11 22.5	20.3
357962 2006 BE_{30}	17.8	X	174.62930	29.01858	112.44771	3.48541	0.0906512	0.28745574	2.2738164	21	8 22.6	21.0
357963 2006 BA_{33}	17.5	X	138.85268	333.84526	135.17005	7.06126	0.0657218	0.27342231	2.3509682	21	5 25.0	20.7
357964 2006 BK_{34}	17.1	X	110.03188	81.88543	145.95043	6.94862	0.1268429	0.28632555	2.2797959	21	10 9.6	20.3
357965 2006 BC_{44}	17.3	X	245.47324	312.60318	128.72802	6.79540	0.0847205	0.28951651	2.2630136	21	8 27.0	19.9
357966 2006 BQ_{64}	18.3	X	143.61132	65.39193	138.42750	1.16913	0.1349418	0.29149444	2.2527649	21	10 11.8	21.7
357967 2006 BT_{67}	17.0	X	45.46198	300.36881	326.04785	6.38852	0.0917737	0.28589027	2.2821094	21	8 30.7	19.5
357968 2006 BV_{73}	17.9	X	178.89383	349.58253	107.55310	6.22539	0.1185395	0.28186490	2.3037855	21	6 25.9	21.1
357969 2006 BK_{79}	17.3	X	93.46181	236.57448	5.80994	6.89544	0.0697413	0.28682066	2.2771716	21	9 30.9	20.2
357970 2006 BE_{96}	16.9	X	64.37455	304.20377	336.42915	6.74300	0.1064627	0.28735587	2.2743432	21	10 18.5	19.8
357971 2006 BJ_{110}	18.2	X	150.06729	59.69610	93.64685	3.16091	0.1591871	0.28414896	2.2914233	21	8 12.9	21.7
357972 2006 BU_{110}	17.6	X	217.45179	135.99318	338.05014	6.18107	0.0718277	0.29055351	2.2576258	21	9 5.6	20.3
357973 2006 BW_{124}	17.9	X	123.66462	238.67499	338.93416	5.04200	0.1401396	0.28722954	2.2750100	21	10 7.1	21.2
357974 2006 BU_{149}	17.5	X	227.98886	126.84255	32.27169	5.42268	0.0723485	0.30129169	2.2036601	21	11 23.1	19.9
357975 2006 BE_{151}	17.4	X	117.09993	112.66740	118.33571	9.53961	0.0282749	0.29244726	2.2478691	21	10 17.5	20.3
357976 2006 BD_{158}	17.5	X	101.87603	219.61460	12.34670	2.25416	0.0998773	0.28571263	2.2830552	21	9 30.7	20.6
357977 2006 BX_{168}	17.9	X	165.30227	129.39772	337.42854	6.72257	0.0850523	0.27816382	2.3241757	21	6 23.4	21.3
357978 2006 BL_{172}	18.0	X	103.93304	78.21821	152.37978	3.17604	0.0720857	0.29024748	2.2592125	21	9 29.7	20.9
357979 2006 BW_{184}	17.4	X	118.18052	142.34142	109.72534	5.72601	0.2125916	0.29386926	2.2406118	21	11 21.7	21.1
357980 2006 BR_{196}	17.6	X	122.65360	317.60688	256.03636	1.85549	0.1045558	0.28737551	2.2742396	21	9 29.4	20.8
357981 2006 BW_{227}	18.0	X	67.21031	56.41242	170.94271	1.30357	0.1401563	0.27781042	2.3261463	21	8 14.6	20.5
357982 2006 BK_{249}	18.2	X	233.96655	350.54941	87.86623	1.93578	0.2137230	0.28898614	2.2657816	21	7 22.3	21.6
357983 2006 BU_{267}	17.2	X	231.02601	30.40378	59.33012	5.60794	0.1407299	0.28923525	2.2644804	21	8 13.8	20.4
357984 2006 CP_{13}	17.5	X	21.75944	284.88673	319.00289	5.65995	0.0474813	0.27726460	2.3291981	21	6 11.4	20.1
357985 2006 CO_{38}	18.0	X	241.52681	235.74007	166.85647	4.58653	0.1551899	0.28232082	2.3013046	21	6 17.3	21.3
357986 2006 CM_{49}	18.0	X	234.60941	120.06658	334.82550	2.12763	0.2028649	0.29205041	2.2499050	21	8 15.7	21.0
357987 2006 CK_{68}	17.6	X	22.00737	100.20075	148.33694	7.58722	0.0679151	0.27477767	2.3432309	21	6 21.0	20.2
357988 2006 DT_{6}	17.2	X	111.48935	137.54189	53.14707	4.77176	0.1136229	0.28144801	2.3060599	21	8 19.8	20.3
357989 2006 DZ_{13}	16.8	X	57.62214	110.33400	121.01410	6.56620	0.0740484	0.27787867	2.3257654	21	7 25.7	19.1
357990 2006 DJ_{14}	16.8	X	154.77878	152.31219	40.73443	6.94371	0.1346401	0.28728402	2.2747224	21	10 9.8	20.2
357991 2006 DQ_{28}	18.3	X	206.54066	291.16769	152.13436	4.54733	0.1917090	0.28202680	2.3029038	21	7 3.2	22.0
357992 2006 DY_{28}	17.9	X	170.68807	339.56794	130.34181	2.73258	0.1407476	0.27862368	2.3216177	21	7 4.7	21.5
357993 2006 DT_{30}	17.1	X	54.13111	127.43114	161.49736	2.20019	0.2301995	0.28330343	2.2959803	21	11 7.2	20.0
357994 2006 DC_{35}	17.4	X	116.12512	25.70075	167.85862	3.80601	0.0400286	0.28024752	2.3126409	21	8 18.1	20.2
357995 2006 DD_{36}	18.0	X	126.10774	11.49375	147.74627	1.60670	0.1212588	0.27704734	2.3304157	21	7 22.4	21.3
357996 2006 DG_{49}	17.9	X	50.02039	290.07579	354.02532	1.90775	0.2110648	0.28335222	2.2957167	21	10 22.3	20.7
357997 2006 DL_{49}	17.7	X	179.70747	76.88101	35.81335	3.16038	0.1733513	0.28196649	2.3032321	21	7 18.5	21.3
357998 2006 DN_{54}	17.3	X	346.68309	111.23832	162.66011	7.00142	0.1455937	0.27005022	2.3704985	21	5 23.2	19.6
357999 2006 DL_{59}	17.9	X	73.88479	339.33048	221.32840	0.98265	0.1283791	0.27387152	2.3483967	21	7 14.1	20.7
358000 2006 DF_{63}	18.1	X	87.73808	226.76363	355.80215	4.24461	0.1838641	0.27872002	2.3210827	21	9 10.9	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358001 2006 DD_{69}	17.1	X	173.92331	120.18146	28.89978	10.66791	0.1173744	0.28686543	2.2769347	21	9 4.9	20.5
358002 2006 DW_{69}	17.4	X	94.61340	287.18108	343.94425	3.48880	0.1502297	0.28967254	2.2622009	21	11 17.5	20.7
358003 2006 DX_{72}	17.8	X	85.02139	228.39710	36.87005	1.88542	0.2039255	0.28750478	2.2735578	21	11 5.8	21.1
358004 2006 DR_{73}	17.9	X	174.01243	348.46922	137.01851	3.05444	0.1665128	0.28260334	2.2997706	21	7 29.2	21.4
358005 2006 DT_{78}	17.4	X	20.66709	332.56866	314.44577	2.57056	0.2217916	0.27794560	2.3253920	21	9 7.5	19.1
358006 2006 DZ_{80}	18.1	X	177.50443	262.54676	172.43612	4.65523	0.2028092	0.27644807	2.3337823	21	5 28.3	21.9
358007 2006 DM_{92}	17.4	X	9.00640	134.24917	164.96839	4.79254	0.1415246	0.27753693	2.3276742	21	8 21.3	19.4
358008 2006 DG_{97}	17.9	X	41.58741	75.52548	194.68966	4.69415	0.1532608	0.27738124	2.3285451	21	9 8.4	20.3
358009 2006 DG_{107}	17.9	X	211.70413	133.84251	278.27027	1.49216	0.1984583	0.27708060	2.3302292	21	5 27.9	21.5
358010 2006 DW_{107}	17.7	X	338.23471	291.55046	333.99516	1.81984	0.1639583	0.26604629	2.3942229	21	4 17.7	19.9
358011 2006 DW_{115}	17.0	X	337.32307	314.67159	13.16155	10.33995	0.2534854	0.27556064	2.3387902	21	7 22.9	18.6
358012 2006 DO_{128}	17.5	X	71.57715	233.15946	8.57859	6.40417	0.0636528	0.28265378	2.2994970	21	9 1.0	20.2
358013 2006 DR_{137}	18.2	X	194.73354	318.27128	133.88656	5.48342	0.1569863	0.28151432	2.3056978	21	7 4.9	21.9
358014 2006 DC_{144}	17.8	X	35.48195	330.51934	8.53862	1.54221	0.1684369	0.29404243	2.2397320	21	12 13.3	20.3
358015 2006 DD_{155}	17.4	X	66.45976	35.99728	212.32855	4.58989	0.1171723	0.27955416	2.3164632	21	9 7.7	20.2
358016 2006 DV_{164}	17.7	X	77.69305	156.36134	56.99835	2.75643	0.1501320	0.27668987	2.3324224	21	8 12.4	20.6
358017 2006 DP_{171}	17.8	X	53.34976	246.99238	15.12673	5.94147	0.1580755	0.27928662	2.3179423	21	9 18.7	20.4
358018 2006 DH_{174}	18.0	X	95.00026	45.05278	126.27655	2.96831	0.1304642	0.27411950	2.3469802	21	7 1.9	21.0
358019 2006 DE_{176}	17.5	X	216.24824	82.67174	356.21783	7.61240	0.1927362	0.28381899	2.2931990	21	7 8.2	21.1
358020 2006 DC_{185}	17.5	X	31.16790	322.27475	330.17240	3.58941	0.2324514	0.27870198	2.3211828	21	10 8.0	19.8
358021 2006 DX_{191}	17.0	X	179.14477	313.35850	155.45109	6.06974	0.1539721	0.27891614	2.3199945	21	7 11.4	20.6
358022 2006 DR_{207}	16.8	X	357.99225	314.49902	354.84461	7.49595	0.1247652	0.27676832	2.3319817	21	8 16.6	18.8
358023 2006 DL_{211}	17.9	X	143.76819	149.63275	17.98303	2.37291	0.1467428	0.28089329	2.3090950	21	8 25.0	21.2
358024 2006 EZ_{4}	18.4	X	177.05720	53.33344	23.31145	3.05553	0.1544789	0.27631706	2.3345199	21	5 27.5	21.9
358025 2006 EH_{58}	16.9	X	24.86989	311.58661	339.40781	7.13261	0.1231533	0.28021301	2.3128307	21	9 6.9	19.0
358026 2006 EU_{62}	17.3	X	130.41053	356.17446	202.63675	5.97424	0.1229119	0.28313856	2.2968715	21	9 18.4	20.6
358027 2006 ED_{67}	17.6	X	226.71415	272.09960	146.22628	6.03414	0.1165506	0.28038934	2.3118610	21	6 25.7	20.8
358028 2006 FX_{7}	17.0	X	5.59539	88.46191	193.08193	11.90323	0.2205879	0.26943229	2.3741216	21	7 16.1	18.9
358029 2006 FV_{9}	17.9	X	124.13156	320.73196	174.61216	2.48969	0.1558037	0.27374976	2.3490930	21	6 20.9	21.2
358030 2006 FU_{12}	17.4	X	335.56276	147.20732	175.73864	6.47581	0.1465044	0.27395037	2.3479461	21	7 15.9	19.5
358031 2006 FJ_{13}	15.5	X	311.72331	65.64276	165.54422	3.14196	0.1555186	0.12467596	3.9683890	21	2 16.7	20.8
358032 2006 FB_{18}	18.2	X	39.05405	163.40922	110.23168	1.57992	0.1895679	0.27468160	2.3437772	21	9 17.5	20.5
358033 2006 FD_{25}	17.7	X	68.18562	33.91590	210.89040	1.03909	0.1872873	0.27644089	2.3338227	21	9 17.3	20.6
358034 2006 FA_{28}	17.9	X	117.22250	162.99312	39.54166	2.93747	0.1434460	0.27911502	2.3188923	21	9 13.1	21.1
358035 2006 FS_{34}	17.0	X	94.24171	236.35210	339.44210	6.65867	0.1418109	0.27729047	2.3290533	21	9 3.4	19.9
358036 2006 FF_{37}	17.0	X	138.24567	88.01158	88.41909	3.84122	0.0972903	0.28095105	2.3087785	21	8 29.5	20.2
358037 2006 FU_{52}	17.7	X	171.30204	92.33833	32.59040	5.85236	0.1499902	0.27802235	2.3249641	21	7 27.7	21.3
358038 2006 GL_{6}	16.5	X	10.88800	140.06552	182.46390	22.83166	0.1948526	0.27985868	2.3147825	21	10 13.2	18.6
358039 2006 GA_{21}	17.1	X	5.58635	265.83465	49.13315	7.20790	0.1262125	0.27661697	2.3328322	21	9 12.7	19.3
358040 2006 GE_{21}	17.7	X	54.45730	219.88658	49.37675	6.09296	0.1951070	0.27657988	2.3330408	21	10 7.2	20.5
358041 2006 GU_{22}	18.0	X	107.75872	67.71535	153.65874	2.29640	0.1602034	0.28010244	2.3134394	21	9 28.9	21.3
358042 2006 GZ_{24}	18.1	X	116.00044	130.54724	77.08685	1.52273	0.1633798	0.27988658	2.3146287	21	9 19.7	21.5
358043 2006 GF_{29}	17.7	X	46.82278	58.74603	162.84458	1.30512	0.1384558	0.26883033	2.3776643	21	7 2.5	20.1
358044 2006 GB_{30}	17.4	X	162.21835	16.13124	49.52875	7.02102	0.0992284	0.26419375	2.4054022	21	4 26.6	20.7
358045 2006 GL_{35}	16.8	X	137.16461	115.25158	23.23824	23.68565	0.1921122	0.27523469	2.3406363	21	7 18.0	21.0
358046 2006 GR_{35}	17.1	X	93.72093	239.88833	21.40497	22.01351	0.2979127	0.28211928	2.3024005	21	11 9.0	21.2
358047 2006 GM_{39}	16.4	X	85.26270	250.72918	16.61114	23.91799	0.2347141	0.28465956	2.2886824	21	11 3.5	20.2
358048 2006 GB_{46}	17.1	X	70.79649	184.67283	50.52818	10.76454	0.1703926	0.27418051	2.3466321	21	9 11.4	20.3
358049 2006 HZ_{12}	17.5	X	61.39213	128.82307	77.04302	5.41050	0.1252410	0.26951557	2.3736325	21	7 1.8	20.1
358050 2006 HT_{17}	17.2	X	344.12604	100.10635	174.69547	5.50074	0.1162817	0.26893010	2.3770762	21	5 22.2	19.6
358051 2006 HD_{19}	16.2	X	269.60891	305.36103	51.16808	11.79637	0.2627366	0.26555507	2.3971745	21	5 5.7	20.0
358052 2006 HV_{19}	17.7	X	68.93683	233.62753	30.08702	6.00277	0.1432839	0.28013598	2.3132547	21	10 9.6	20.6
358053 2006 HL_{22}	17.5	X	142.81626	356.16672	99.53365	3.39128	0.1449173	0.26651571	2.3914107	21	5 18.8	20.9
358054 2006 HR_{22}	17.5	X	359.56416	240.34193	76.85882	3.52335	0.2171225	0.27349219	2.3505677	21	9 9.2	19.0
358055 2006 HO_{25}	17.4	X	124.95608	35.68502	97.51959	2.70522	0.1353683	0.26804502	2.3823060	21	6 16.8	20.6
358056 2006 HA_{28}	17.1	X	44.77494	23.25941	127.16862	6.88379	0.0657747	0.25486518	2.4637447	21	3 9.8	19.8
358057 2006 HQ_{32}	17.9	X	66.00467	254.02808	20.69322	3.31269	0.2117708	0.28141734	2.3062275	21	10 29.1	21.0
358058 2006 HZ_{35}	17.8	X	62.95982	34.15366	206.46622	4.60742	0.1740157	0.27628438	2.3347040	21	8 31.8	20.7
358059 2006 HE_{43}	18.1	X	83.60518	291.71245	271.36255	0.44794	0.1211230	0.27166001	2.3611246	21	7 30.5	21.0
358060 2006 HR_{49}	17.8	X	98.33904	153.81758	121.79242	5.73820	0.4202224	0.28189317	2.3036315	21	12 11.3	22.4
358061 2006 HA_{63}	17.8	X	77.98314	187.47901	69.67849	3.20285	0.1858148	0.27826226	2.3236275	21	10 17.3	21.0
358062 2006 HS_{66}	17.4	X	81.14796	118.58541	58.12213	3.18824	0.1520443	0.26805223	2.3822633	21	6 23.9	20.3
358063 2006 HE_{67}	17.9	X	318.33318	105.44227	198.02822	3.65559	0.2178680	0.26239459	2.4163850	21	5 1.8	20.5
358064 2006 HP_{70}	17.8	X	122.74744	58.08736	158.74318	3.92704	0.1038045	0.28365542	2.2940805	21	10 5.5	20.9
358065 2006 HH_{78}	17.2	X	99.35534	165.20006	51.38606	5.75471	0.1087828	0.27720121	2.3295532	21	9 9.9	20.4
358066 2006 HV_{80}	17.9	X	6.00246	253.90601	38.25872	2.56339	0.2286020	0.26875395	2.3781148	21	8 11.9	19.3
358067 2006 HO_{81}	16.6	X	325.78561	299.32905	36.37644	10.08790	0.1291808	0.27110483	2.3643470	21	7 22.9	19.1
358068 2006 HY_{84}	17.3	X	53.32291	149.43868	92.77342	4.02315	0.1405943	0.27111824	2.3642690	21	8 16.6	19.8
358069 2006 HA_{89}	17.6	X	71.12118	125.29115	97.95451	5.16995	0.1899316	0.27390910	2.3481820	21	8 24.5	20.5
358070 2006 HY_{98}	16.7	X	41.64269	263.99262	54.29038	8.31025	0.2273548	0.21437794	2.7649205	21	11 17.6	20.3
358071 2006 HB_{105}	17.1	X	351.60484	95.45703	173.93718	12.05758	0.1756363	0.26472471	2.4021847	21	5 24.7	19.4
358072 2006 HF_{107}	17.1	X	65.25315	7.43569	167.53433	6.21895	0.0534348	0.26387720	2.4073254	21	5 13.5	20.0
358073 2006 HJ_{107}	17.3	X	148.28487	7.55205	159.05631	5.77254	0.0691722	0.27738874	2.3285031	21	8 23.9	20.6
358074 2006 HD_{112}	17.3	X	136.28457	98.13308	59.42839	3.10872	0.1246726	0.27756208	2.3275336	21	8 2.2	20.7
358075 2006 JR_{3}	17.8	X	139.28132	77.35599	83.07065	2.88064	0.1617554	0.27544151	2.3394645	21	8 11.5	21.4
358076 2006 JA_{4}	17.5	X	82.78052	101.77068	50.39920	6.76794	0.0712359	0.26367066	2.4085824	21	5 8.3	20.2
358077 2006 JM_{5}	17.5	X	341.03156	310.75980	351.15658	1.04493	0.1911301	0.26675685	2.3899693	21	6 19.1	19.2
358078 2006 JQ_{7}	17.5	X	199.37510	352.18867	99.44525	2.19969	0.1530757	0.27374674	2.3491103	21	7 9.3	21.0
358079 2006 JE_{10}	17.8	X	356.85703	21.84784	252.29678	2.38336	0.1643534	0.26535656	2.3983699	21	6 12.3	19.7
358080 2006 JW_{11}	17.5	X	350.65249	86.66506	179.82836	7.02927	0.0919184	0.26366489	2.4086176	21	5 24.4	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358081 2006 JG_{16}	18.0	X	13.23140	238.78669	36.01452	1.71547	0.1749982	0.26911062	2.3760131	21	7 24.7	19.9
358082 2006 JG_{18}	17.7	X	69.49869	31.63556	207.71359	5.88359	0.0826957	0.27391346	2.3481570	21	8 23.4	20.7
358083 2006 JW_{19}	17.4	X	311.08918	102.09062	176.06773	9.45811	0.1032548	0.25839841	2.4412345	21	4 4.9	20.4
358084 2006 JD_{26}	17.5	X	105.59352	284.88972	286.08850	5.39396	0.1965184	0.27782844	2.3260457	21	9 12.5	21.2
358085 2006 JG_{26}	16.8	X	33.99989	273.21472	6.18924	6.68979	0.1180102	0.27395386	2.3479261	21	9 6.2	19.2
358086 2006 JT_{29}	17.4	X	315.96770	89.91381	207.82669	6.04968	0.0893981	0.26402165	2.4064473	21	5 11.3	20.1
358087 2006 JA_{30}	17.4	X	55.69023	57.58738	190.70681	5.91395	0.1245977	0.27314759	2.3525442	21	8 23.4	20.2
358088 2006 JX_{31}	17.3	X	322.96639	123.39830	184.62249	5.79191	0.1036114	0.26580875	2.3956491	21	6 5.1	19.9
358089 2006 JE_{44}	18.1	X	132.12174	33.82197	123.94568	2.74208	0.1396185	0.27377434	2.3489524	21	7 28.9	21.4
358090 2006 JD_{50}	16.7	X	39.96282	306.89779	225.70648	2.05101	0.0992445	0.19517593	2.9434176	21	4 10.6	20.2
358091 2006 JH_{59}	17.9	X	19.08552	33.34339	197.27067	0.88281	0.1334254	0.26457833	2.4030706	21	5 21.5	20.0
358092 2006 JF_{80}	17.1	X	321.23787	159.03034	137.90187	7.63048	0.0646613	0.26252452	2.4155877	21	5 24.0	20.0
358093 2006 KQ_{3}	17.5	X	50.89120	229.95441	57.73533	5.42646	0.1752530	0.27943849	2.3171024	21	10 24.3	20.2
358094 2006 KU_{3}	16.7	X	296.84515	303.84703	41.60813	6.39429	0.2413422	0.26915163	2.3757717	21	5 23.7	19.7
358095 2006 KG_{9}	17.6	X	39.19327	198.71630	58.64031	4.03150	0.1616922	0.27024356	2.3693678	21	8 19.8	20.0
358096 2006 KN_{19}	17.8	X	79.24337	189.54399	43.90859	5.76041	0.1337253	0.27654196	2.3332540	21	9 11.2	20.8
358097 2006 KQ_{20}	16.7	X	80.72324	97.20650	127.90570	22.57604	0.1888379	0.27305143	2.3530966	21	9 10.9	20.2
358098 2006 KL_{25}	16.9	X	124.37567	332.72177	237.07020	5.95743	0.0747418	0.27862218	2.3216260	21	9 21.5	20.2
358099 2006 KH_{40}	17.3	X	306.22840	151.46264	158.47909	3.12102	0.1841960	0.26016912	2.4301451	21	4 28.9	20.1
358100 2006 KD_{42}	18.2	X	49.58159	178.06489	109.14972	0.99487	0.2862765	0.27485585	2.3427866	21	11 5.8	21.2
358101 2006 KO_{50}	17.9	X	136.90107	357.14267	140.20058	1.82983	0.1306722	0.27041176	2.3683851	21	7 5.5	21.1
358102 2006 KF_{63}	17.4	X	114.42659	121.99911	42.61380	6.11439	0.1380348	0.27291033	2.3539076	21	7 19.6	20.7
358103 2006 KL_{81}	17.5	X	72.30876	120.26939	135.16254	2.74614	0.1837606	0.27535064	2.3399791	21	10 7.9	20.6
358104 2006 KR_{86}	17.2	X	54.42015	126.86687	127.20000	22.90132	0.2265020	0.27126052	2.3634422	21	9 25.5	20.6
358105 2006 KT_{90}	17.5	X	99.52389	71.00410	92.21993	5.25482	0.0865918	0.26734664	2.3864531	21	6 19.8	20.4
358106 2006 KA_{97}	17.2	X	310.78220	114.69571	163.31683	5.98847	0.1376655	0.25126292	2.4872367	21	3 30.7	20.2
358107 2006 KH_{106}	17.6	X	91.35085	313.43943	239.27862	4.56244	0.1681008	0.27367883	2.3494989	21	7 31.6	20.8
358108 2006 KF_{115}	17.8	X	46.54931	39.06702	192.04515	3.50197	0.1572165	0.26832821	2.3806296	21	7 19.2	20.2
358109 2006 KZ_{123}	16.0	X	346.08506	295.44109	30.18442	21.89308	0.3196789	0.26273148	2.4143189	21	8 31.3	17.8
358110 2006 OF	17.5	X	57.80655	96.46703	168.25372	3.97008	0.1916374	0.26991255	2.3713045	21	10 2.4	20.5
358111 2006 OV_{6}	17.0	X	57.56345	106.06590	271.45792	1.78613	0.0945465	0.22052950	2.7132611	21	—	—
358112 2006 OH_{13}	16.7	X	87.57815	48.14439	314.13989	7.03898	0.2892207	0.21732831	2.7398399	21	—	—
358113 2006 OP_{20}	16.7	X	177.68577	348.52675	353.03625	13.67956	0.1858818	0.23353519	2.6115669	21	2 7.9	21.0
358114 2006 PM_{4}	16.2	X	223.55391	349.38883	346.94267	11.93694	0.0713588	0.24231064	2.5481270	21	3 9.9	19.8
358115 2006 PO_{11}	16.4	X	172.79861	187.61847	145.12620	13.96021	0.1566479	0.23092064	2.6312426	21	1 17.6	20.6
358116 2006 PZ_{12}	16.9	X	94.06311	74.62592	308.62056	10.37529	0.1949059	0.22424366	2.6832178	21	—	—
358117 2006 PC_{15}	17.7	X	45.44465	61.87579	144.76168	24.04984	0.0705676	0.38562634	1.8693542	21	5 28.5	20.0
358118 2006 PX_{19}	16.7	X	120.68411	40.58589	316.33639	4.90528	0.2616307	0.22347608	2.6893584	21	1 8.5	20.4
358119 2006 PN_{20}	16.3	X	215.53566	6.00137	310.46222	13.44508	0.0934770	0.23961687	2.5671886	21	2 4.3	20.2
358120 2006 PK_{25}	16.9	X	248.94080	336.96382	323.12765	13.43772	0.1035062	0.24048497	2.5610069	21	2 17.7	20.6
358121 2006 PD_{26}	17.0	X	326.58298	234.16615	83.70320	2.37759	0.1906412	0.25901569	2.4373543	21	6 13.3	19.3
358122 2006 PQ_{29}	17.5	X	238.83429	342.23762	345.13163	2.52899	0.1428147	0.24405986	2.5359371	21	3 11.3	21.4
358123 2006 PD_{36}	17.2	X	320.29885	184.38851	119.61636	5.10939	0.1714362	0.25572219	2.4582371	21	5 16.1	19.8
358124 2006 PE_{41}	16.4	X	54.54800	217.94625	143.30787	13.04102	0.1538979	0.21482085	2.7611188	21	—	—
358125 2006 QT_{20}	16.6	X	179.89266	354.28737	320.36735	4.69493	0.3523223	0.22912999	2.6449335	21	1 14.7	21.6
358126 2006 QB_{32}	16.6	X	187.19008	162.78396	176.34605	18.61395	0.2594776	0.23243085	2.6198325	21	2 9.6	21.4
358127 2006 QS_{32}	16.5	X	75.26405	54.48199	317.74952	13.41109	0.1713512	0.21708700	2.7418698	21	—	—
358128 2006 QM_{53}	16.3	X	165.11482	150.50301	175.70327	13.46863	0.1650393	0.22565416	2.6720248	21	1 3.8	20.7
358129 2006 QJ_{54}	16.1	X	262.66592	267.58112	57.16646	12.88378	0.1256594	0.24624208	2.5209324	21	4 8.5	19.9
358130 2006 QP_{83}	16.9	X	152.50556	70.49702	308.96638	1.51597	0.1214319	0.23334293	2.6130013	21	2 19.9	20.7
358131 2006 QQ_{111}	17.0	X	231.71879	53.48348	278.12978	6.53475	0.1564285	0.23999513	2.5644905	21	3 6.5	21.3
358132 2006 QC_{121}	16.1	X	40.09984	102.57613	276.30165	6.30105	0.2384499	0.21073000	2.7967381	21	—	—
358133 2006 QN_{121}	16.5	X	139.34713	166.99627	184.19912	14.83493	0.1108989	0.22611321	2.6684071	21	—	—
358134 2006 QU_{126}	16.5	X	164.97768	350.98392	3.11293	15.83822	0.1944367	0.23086892	2.6316355	21	2 14.3	20.9
358135 2006 QC_{131}	16.6	X	94.12191	293.54338	53.53626	8.78497	0.2224478	0.21654049	2.7464813	21	—	—
358136 2006 QP_{133}	16.9	X	221.23061	156.63497	174.75614	13.25102	0.1262383	0.23890586	2.5722797	21	2 27.5	20.9
358137 2006 QV_{133}	16.6	X	266.62422	313.63547	320.25177	16.65248	0.1860598	0.23939076	2.5688049	21	1 30.7	20.6
358138 2006 QP_{142}	17.1	X	181.45087	70.10011	295.07323	16.59920	0.1055175	0.36917606	1.9244813	21	2 6.4	19.4
358139 2006 QZ_{145}	17.0	X	83.57736	25.67317	358.09304	5.79131	0.1172513	0.22018183	2.7161165	21	—	—
358140 2006 QA_{148}	16.8	X	125.64055	184.34480	158.67623	6.18611	0.0598069	0.22054802	2.7131092	21	—	—
358141 2006 QZ_{179}	16.7	X	180.06582	357.98932	351.46011	4.82332	0.1350669	0.23356154	2.6113705	21	2 13.5	20.8
358142 2006 QK_{182}	17.4	X	322.60064	69.20980	157.84441	6.85685	0.1629298	0.23736778	2.5833795	21	2 3.2	20.8
358143 2006 QZ_{183}	16.9	X	359.94365	48.90218	12.20846	6.76369	0.0857503	0.20986304	2.8044352	21	—	—
358144 2006 QH_{185}	17.2	X	71.41441	201.88959	173.63273	4.69320	0.1311149	0.21519880	2.7578850	21	—	—
358145 2006 RU_{8}	16.1	X	156.12989	212.12855	181.09208	21.76989	0.0316231	0.23537954	2.5979069	21	3 1.9	19.8
358146 2006 RA_{13}	16.5	X	110.81821	172.28572	197.99680	12.30265	0.1854255	0.22434537	2.6824068	21	—	—
358147 2006 RB_{17}	16.7	X	174.72454	0.78781	320.75638	14.11844	0.2563850	0.22744796	2.6579574	21	1 16.1	21.3
358148 2006 RJ_{40}	16.5	X	142.36657	330.44617	23.10647	6.99499	0.1604977	0.22520951	2.6755407	21	1 15.9	20.5
358149 2006 RO_{43}	17.1	X	160.87747	271.54151	28.21227	3.62003	0.0867302	0.21813211	2.7331050	21	—	—
358150 2006 RS_{44}	17.0	X	53.41098	215.24947	172.66799	2.89323	0.1553132	0.21191449	2.7863068	21	—	—
358151 2006 RE_{52}	16.4	X	47.13349	28.69897	18.53499	13.10802	0.0757228	0.21353498	2.7721923	21	—	—
358152 2006 RH_{54}	16.5	X	346.23692	183.19525	27.99162	10.83116	0.1299514	0.23405816	2.6076753	21	3 1.1	19.6
358153 2006 RN_{55}	16.9	X	117.69793	15.54693	28.89440	6.21046	0.0630377	0.22654143	2.6650434	21	2 6.6	20.5
358154 2006 RT_{66}	16.4	X	304.30771	268.91215	13.47858	12.89765	0.1508857	0.24226144	2.5484719	21	3 26.9	19.8
358155 2006 RF_{72}	16.2	X	258.38221	279.46730	181.08018	11.96117	0.1212538	0.19608645	2.9342987	21	9 24.1	20.1
358156 2006 RT_{74}	17.1	X	263.34653	56.90289	179.18405	12.45511	0.1230751	0.22681154	2.6629271	21	—	—
358157 2006 RR_{75}	16.7	X	357.46588	13.48658	176.26529	5.63726	0.1329638	0.23364056	2.6107817	21	2 11.2	19.7
358158 2006 RE_{80}	17.1	X	259.41768	62.09410	155.61589	3.15725	0.0188451	0.22100416	2.7093748	21	—	—
358159 2006 RX_{85}	16.5	X	349.09320	255.47874	184.03714	12.19095	0.1176737	0.20910909	2.8111721	21	—	—
358160 2006 RD_{86}	17.0	X	283.40301	231.59182	4.49479	4.34879	0.0569268	0.22897632	2.6461167	21	1 15.9	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358161 2006 RR_{90}	16.9	X	161.25607	290.01773	25.12198	2.12178	0.0716864	0.22024421	2.7156037	21	—	—
358162 2006 RZ_{92}	16.9	X	86.37774	185.17530	194.92176	5.55205	0.0569941	0.21760025	2.7375567	21	—	—
358163 2006 RY_{93}	17.1	X	328.37447	306.83807	293.25149	2.24032	0.1261577	0.23742505	2.5829641	21	3 6.2	20.4
358164 2006 RN_{95}	15.8	X	140.27708	306.06419	11.43223	14.05590	0.0753593	0.21585782	2.7522689	21	—	—
358165 2006 RX_{103}	16.7	X	8.45673	259.37428	164.63778	5.31345	0.1470766	0.21032091	2.8003636	21	—	—
358166 2006 RW_{112}	17.2	X	247.22287	7.59882	156.61995	1.71887	0.1622188	0.20565086	2.8425996	21	11 24.9	21.1
358167 2006 RK_{119}	17.2	X	311.69491	134.90595	1.35400	1.75449	0.0771893	0.21276498	2.7788768	21	—	—
358168 2006 SS_{12}	17.6	X	336.79488	94.09407	189.27932	20.31199	0.0548745	0.38204756	1.8810100	21	5 21.6	19.5
358169 2006 SD_{14}	17.9	X	227.50208	196.25275	188.04263	21.71577	0.1047464	0.37759537	1.8957669	21	5 7.7	20.4
358170 2006 SH_{37}	17.0	X	352.22982	212.67630	254.56850	3.25901	0.0217012	0.21495281	2.7599887	21	—	—
358171 2006 SO_{41}	17.5	X	276.01715	252.36072	55.35480	2.53965	0.1630829	0.24314468	2.5422965	21	3 23.9	21.2
358172 2006 SL_{56}	17.0	X	245.82748	316.74016	30.41959	22.43382	0.0864083	0.37532527	1.9034034	21	4 8.6	19.1
358173 2006 SL_{57}	17.3	X	86.16408	156.41135	201.92011	4.95245	0.0796633	0.21240378	2.7820262	21	—	—
358174 2006 SR_{57}	16.0	X	156.58496	342.03448	326.63806	13.30947	0.2466423	0.22239430	2.6980725	21	—	—
358175 2006 SD_{62}	17.6	X	314.43891	134.57840	175.74474	23.02263	0.0444371	0.38202857	1.8810723	21	5 30.1	19.9
358176 2006 SA_{68}	16.7	X	30.53809	13.74201	27.56579	5.33744	0.1592762	0.21049695	2.7988020	21	—	—
358177 2006 SY_{68}	16.7	X	47.37545	122.11744	8.39406	4.87842	0.0878572	0.23085661	2.6317290	21	2 19.8	19.7
358178 2006 SQ_{69}	17.4	X	259.19137	104.12838	184.82556	8.29709	0.2130854	0.23823523	2.5771047	21	2 5.9	21.7
358179 2006 SZ_{77}	16.7	X	353.03066	56.00939	39.76663	13.03451	0.0771592	0.21245452	2.7815833	21	—	—
358180 2006 ST_{78}	16.2	X	157.00451	357.61326	325.97613	13.91863	0.2169989	0.22382359	2.6865740	21	1 1.0	20.6
358181 2006 SX_{80}	16.7	X	274.80044	319.16632	39.31201	0.99980	0.1895550	0.18322621	3.0700420	21	5 26.2	21.0
358182 2006 SQ_{81}	16.8	X	115.11302	121.51026	188.54869	2.88414	0.0600320	0.21121006	2.7924987	21	—	—
358183 2006 SE_{82}	17.4	X	6.84224	244.73253	174.78468	4.23048	0.0930985	0.20874932	2.8144012	21	—	—
358184 2006 SU_{85}	16.4	X	138.91316	334.52729	219.18620	1.04465	0.0812941	0.19167392	2.9791614	21	9 12.4	21.0
358185 2006 SF_{89}	16.8	X	266.45047	213.48424	21.45976	7.86169	0.1500917	0.22547375	2.6734500	21	—	—
358186 2006 ST_{89}	16.8	X	12.77996	96.14622	3.64770	2.53672	0.0313558	0.21645146	2.7472343	21	—	—
358187 2006 SR_{95}	16.8	X	333.48064	205.46327	192.87484	6.13928	0.1080918	0.19734584	2.9218017	21	10 27.6	20.2
358188 2006 SN_{96}	17.2	X	348.41358	221.56566	36.90645	4.12855	0.1616237	0.24464293	2.5319061	21	4 30.9	19.6
358189 2006 SU_{97}	16.3	X	191.23495	281.69892	21.65592	14.70515	0.1279867	0.22359348	2.6884169	21	—	—
358190 2006 SA_{99}	16.6	X	267.36992	40.43502	202.31123	12.48842	0.1046818	0.22554033	2.6729238	21	—	—
358191 2006 SE_{99}	16.7	X	74.41587	358.00995	21.30933	5.77583	0.0825159	0.21374986	2.7703342	21	—	—
358192 2006 SJ_{103}	16.9	X	214.16201	279.24401	352.94766	1.27975	0.1325621	0.22482818	2.6785652	21	—	—
358193 2006 SH_{104}	17.2	X	21.09059	55.87255	18.19159	5.09561	0.0913905	0.21447641	2.7640742	21	—	—
358194 2006 ST_{104}	17.2	X	85.50901	176.75338	174.31255	4.75079	0.0800938	0.21310160	2.7759496	21	—	—
358195 2006 SL_{109}	16.8	X	226.48439	140.38904	144.35601	2.24671	0.1082737	0.22592008	2.6699276	21	1 10.4	20.9
358196 2006 SP_{112}	17.0	X	115.34709	150.64552	180.87790	4.83738	0.1193091	0.21779841	2.7358960	21	—	—
358197 2006 SB_{114}	17.2	X	246.87243	218.36849	44.80656	2.34071	0.1135387	0.22904446	2.6455919	21	1 4.1	21.3
358198 2006 SQ_{132}	16.6	X	203.92829	160.33452	166.22595	14.59171	0.2668048	0.23207809	2.6224866	21	2 7.9	21.4
358199 2006 SO_{139}	15.8	X	47.85975	32.43942	60.01359	13.06369	0.1686135	0.22023683	2.7156643	21	1 4.2	18.7
358200 2006 SF_{148}	17.4	X	226.95507	293.52174	32.46941	3.27646	0.1814425	0.23693029	2.5865586	21	2 27.6	21.6
358201 2006 SU_{153}	16.3	X	110.14318	220.93903	129.90130	14.30546	0.1620836	0.22002785	2.7173835	21	—	—
358202 2006 SL_{156}	17.1	X	258.08071	107.22240	167.21614	4.35240	0.0838540	0.23427188	2.6060892	21	1 29.3	20.9
358203 2006 SV_{160}	17.0	X	219.58545	156.69323	176.50993	6.00712	0.1654390	0.23472542	2.6027311	21	2 28.5	21.2
358204 2006 SK_{165}	16.7	X	285.77385	251.19046	272.02985	3.63569	0.0285325	0.21587958	2.7520840	21	—	—
358205 2006 SJ_{173}	16.5	X	88.52004	26.56884	351.28681	5.93909	0.0439343	0.21876613	2.7278218	21	—	—
358206 2006 SS_{184}	16.9	X	164.27978	153.90525	196.41554	5.77293	0.0763820	0.22613909	2.6682036	21	1 23.2	20.9
358207 2006 SP_{188}	17.0	X	92.62099	201.11659	161.28718	4.03992	0.0471504	0.21635300	2.7480677	21	—	—
358208 2006 SF_{189}	17.0	X	335.03697	148.28184	73.12612	3.43097	0.1401020	0.23673741	2.5879633	21	2 19.7	20.0
358209 2006 SM_{189}	17.1	X	234.07366	166.52295	118.65205	3.11555	0.1070249	0.23023706	2.6364481	21	1 17.8	21.0
358210 2006 SJ_{192}	17.0	X	336.90964	72.80251	59.66283	4.09679	0.1171540	0.21656251	2.7462951	21	—	—
358211 2006 SL_{199}	17.2	X	234.14751	113.38932	196.38157	3.00247	0.1435173	0.23504223	2.6003918	21	2 13.7	21.4
358212 2006 SX_{200}	17.0	X	266.65240	36.77016	209.72393	2.84613	0.0438275	0.22497806	2.6773754	21	1 9.9	20.7
358213 2006 SL_{206}	16.9	X	293.75349	269.80554	20.84253	12.77000	0.1716025	0.24187583	2.5511798	21	3 23.2	20.4
358214 2006 SB_{207}	17.1	X	215.76451	15.33663	289.99434	2.99302	0.1870034	0.22973519	2.6402864	21	1 24.2	21.6
358215 2006 SM_{208}	16.5	X	87.28704	237.26316	168.58087	8.43968	0.0938213	0.22291119	2.6939000	21	—	—
358216 2006 SR_{212}	15.9	X	183.30834	249.85780	69.34282	15.24466	0.0762944	0.22439855	2.6819830	21	1 8.0	20.0
358217 2006 SY_{213}	15.5	X	195.06215	114.57029	298.37790	10.58753	0.0841407	0.17818449	3.1276834	21	5 17.6	20.4
358218 2006 SK_{225}	17.5	X	289.58533	272.87804	8.45751	5.04456	0.1464988	0.24300121	2.5432971	21	3 7.6	20.9
358219 2006 SH_{228}	16.9	X	37.51861	193.08236	227.06411	5.14566	0.0293956	0.21636408	2.7479740	21	—	—
358220 2006 SM_{229}	16.8	X	42.59433	93.40721	285.63366	2.87727	0.1106600	0.20960076	2.8067742	21	—	—
358221 2006 ST_{230}	17.0	X	123.67651	9.61878	338.47535	4.27099	0.1234414	0.22013206	2.7165259	21	—	—
358222 2006 SA_{234}	16.9	X	7.11377	61.77998	309.77354	3.87386	0.0457229	0.20245316	2.8724535	21	11 8.6	20.7
358223 2006 SZ_{243}	16.7	X	127.63054	165.21411	168.86675	6.70325	0.0512940	0.21797134	2.7344487	21	—	—
358224 2006 SQ_{244}	16.2	X	88.21759	9.84308	17.48150	14.05267	0.0902596	0.21934524	2.7230184	21	—	—
358225 2006 SD_{255}	16.9	X	62.15166	291.19162	109.12052	5.21199	0.2293174	0.21595783	2.7514191	21	—	—
358226 2006 SM_{257}	17.0	X	333.13587	77.60670	12.79075	15.05454	0.2312491	0.20435101	2.8546412	21	—	—
358227 2006 SA_{258}	16.5	X	33.22458	67.54409	12.86935	6.72167	0.0281486	0.21723447	2.7406288	21	—	—
358228 2006 SL_{262}	16.7	X	156.11047	119.78389	193.61504	6.33553	0.0980878	0.21704639	2.7422118	21	—	—
358229 2006 SC_{265}	16.7	X	342.30476	81.02015	316.17575	4.75974	0.1529462	0.19846537	2.9108035	21	11 8.4	20.0
358230 2006 SX_{278}	16.6	X	223.96431	274.31241	24.13513	12.92860	0.1496913	0.23119078	2.6291925	21	1 27.6	21.1
358231 2006 SM_{290}	17.1	X	348.14923	79.33137	333.45678	0.62383	0.1130151	0.20265516	2.8705444	21	12 10.3	20.5
358232 2006 SE_{293}	17.1	X	5.98339	137.51476	282.67583	3.04592	0.0927041	0.21041519	2.7995270	21	—	—
358233 2006 SK_{302}	16.6	X	127.05621	120.67761	221.61478	5.36385	0.0299174	0.21996317	2.7179162	21	—	—
358234 2006 SO_{310}	16.9	X	310.25124	333.27139	239.66436	3.35267	0.0715041	0.22799976	2.6536672	21	1 15.9	20.6
358235 2006 SR_{326}	16.9	X	304.01868	47.02201	195.55290	13.78896	0.1234937	0.23230026	2.6208143	21	2 3.5	20.9
358236 2006 SV_{331}	16.0	X	295.81669	156.96673	25.97263	14.06020	0.1324435	0.21467496	2.7623696	21	—	—
358237 2006 SN_{333}	17.3	X	209.76468	260.25304	58.59956	3.16881	0.0730853	0.23022407	2.6365473	21	2 4.4	21.3
358238 2006 SD_{335}	16.9	X	41.15117	21.73989	36.09521	7.39840	0.1380578	0.21409667	2.7673416	21	—	—
358239 2006 SO_{335}	16.5	X	151.31945	135.71834	169.42011	10.77360	0.1114150	0.21748374	2.7385343	21	—	—
358240 2006 SK_{337}	16.5	X	70.46141	224.85865	143.23540	5.27062	0.1309297	0.21246705	2.7814739	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358241 2006 SQ_{337}	17.5	X	356.76054	334.36442	124.73557	4.68253	0.0563860	0.21425452	2.7659822	21	—	—
358242 2006 SU_{341}	16.7	X	142.34030	345.24554	1.61811	12.36319	0.1637018	0.22221289	2.6995407	21	1 9.6	20.9
358243 2006 SO_{343}	16.6	X	43.91599	75.69646	342.22814	3.81196	0.1483386	0.21360751	2.7715648	21	—	—
358244 2006 SJ_{362}	15.9	X	215.40291	239.31720	44.88001	13.12889	0.1830170	0.22315607	2.6919289	21	—	—
358245 2006 SA_{366}	16.8	X	226.50053	246.94186	47.27159	3.17574	0.0548693	0.22504547	2.6768407	21	1 24.0	20.7
358246 2006 SS_{381}	17.1	X	119.72716	204.79238	149.40928	6.56066	0.0556815	0.21932872	2.7231551	21	—	—
358247 2006 SD_{408}	17.0	X	117.49325	116.83731	222.61039	4.02659	0.0839756	0.21323466	2.7747946	21	—	—
358248 2006 SF_{413}	17.5	X	6.33871	24.71536	192.27764	22.97421	0.0255961	0.37163878	1.9159700	21	3 22.9	19.2
358249 2006 TZ_{5}	16.2	X	206.02076	332.48630	3.67436	7.54149	0.1968990	0.23186176	2.6241176	21	2 23.5	20.7
358250 2006 TU_{10}	16.7	X	205.14388	308.07955	15.19014	4.19816	0.2166872	0.23002371	2.6380781	21	2 7.6	21.2
358251 2006 TH_{21}	16.6	X	67.80703	177.53084	209.08404	9.73813	0.1386877	0.21203499	2.7852511	21	—	—
358252 2006 TD_{24}	18.0	X	171.23340	46.83220	11.25615	20.59599	0.1225152	0.37442051	1.9064685	21	4 13.3	20.4
358253 2006 TO_{28}	16.1	X	255.17933	186.06400	43.93444	12.56687	0.0958373	0.21808972	2.7334591	21	—	—
358254 2006 TM_{33}	17.0	X	109.52170	337.12540	33.48487	3.36768	0.0821903	0.21787615	2.7352451	21	—	—
358255 2006 TN_{33}	17.3	X	280.65511	205.15576	208.49879	5.02004	0.2642606	0.18766035	3.0214891	21	7 30.6	21.6
358256 2006 TX_{33}	16.7	X	167.79585	73.85979	205.13645	4.88147	0.0436291	0.21189908	2.7864420	21	—	—
358257 2006 TW_{34}	16.9	X	255.63623	202.41309	15.65576	3.88124	0.0408324	0.21497259	2.7598194	21	—	—
358258 2006 TL_{36}	15.8	X	174.00952	258.64549	223.11687	23.13186	0.1658490	0.17749021	3.1358344	21	7 16.2	21.4
358259 2006 TN_{40}	16.8	X	43.99882	28.55997	33.60068	4.73365	0.0541668	0.21306342	2.7762812	21	—	—
358260 2006 TC_{45}	16.7	X	53.29994	9.96456	53.99214	7.41434	0.0163495	0.21443268	2.7644500	21	—	—
358261 2006 TV_{45}	16.9	X	0.36155	212.33106	182.76247	2.20270	0.0607488	0.19984383	2.8974029	21	12 1.7	20.7
358262 2006 TZ_{53}	16.6	X	236.20129	137.52036	156.48457	2.10755	0.1285704	0.22670375	2.6637711	21	1 30.0	20.7
358263 2006 TX_{60}	16.6	X	270.48813	122.28056	81.77112	4.02272	0.0341440	0.21492172	2.7602548	21	—	—
358264 2006 TO_{71}	16.4	X	147.93572	133.43173	213.76662	7.93138	0.0544735	0.22191151	2.7019844	21	—	—
358265 2006 TR_{91}	16.1	X	284.27782	225.00171	41.27912	15.47447	0.0856033	0.22934198	2.6433034	21	2 27.5	20.1
358266 2006 TU_{97}	16.4	X	275.42137	259.50487	35.44809	15.61315	0.1399366	0.23455152	2.6040174	21	3 17.1	20.4
358267 2006 TZ_{101}	16.8	X	223.59409	71.88689	219.04913	8.39670	0.0665972	0.22438335	2.6821041	21	1 14.0	20.9
358268 2006 TW_{106}	16.4	X	135.96994	302.26108	51.65500	7.42552	0.0363296	0.22065482	2.7122337	21	—	—
358269 2006 TL_{109}	16.4	X	216.60902	215.69873	33.84949	9.00960	0.0544931	0.21469835	2.7621690	21	—	—
358270 2006 TZ_{110}	17.0	X	59.48345	249.46901	134.40459	5.63650	0.0799828	0.21247612	2.7813948	21	—	—
358271 2006 TF_{120}	17.6	X	358.84373	320.23478	145.53186	6.80964	0.0080316	0.21609600	2.7502461	21	—	—
358272 2006 TG_{121}	16.5	X	201.40809	356.62394	138.06793	13.05135	0.2246738	0.18279022	3.0749218	21	8 30.1	21.7
358273 2006 TR_{123}	16.6	X	237.21441	83.21632	51.62752	8.44414	0.0322884	0.19741129	2.9211558	21	10 25.5	20.6
358274 2006 UD_{4}	17.0	X	129.95572	159.79021	170.77025	4.29320	0.1037345	0.21242322	2.7818565	21	—	—
358275 2006 UY_{13}	16.1	X	217.16449	226.45196	55.30930	10.83290	0.1058219	0.22073837	2.7115492	21	—	—
358276 2006 UX_{16}	17.2	X	76.91564	141.54549	210.80375	1.46872	0.1091296	0.21043504	2.7993510	21	—	—
358277 2006 UK_{21}	16.9	X	121.26751	335.06957	340.24507	2.32669	0.0768920	0.21158235	2.7892221	21	—	—
358278 2006 UO_{31}	17.1	X	341.70635	118.56385	29.41896	2.96724	0.0183944	0.21829890	2.7317127	21	—	—
358279 2006 UX_{33}	16.7	X	217.43319	59.77146	208.70270	12.06242	0.0404591	0.21863220	2.7289357	21	—	—
358280 2006 UN_{38}	16.7	X	346.92978	35.02301	33.09753	2.39458	0.0463141	0.20344784	2.8630834	21	12 24.1	20.3
358281 2006 UK_{40}	16.5	X	275.44496	176.44807	42.09193	5.61416	0.0976350	0.21947835	2.7219173	21	—	—
358282 2006 UQ_{41}	16.8	X	159.32969	92.25273	225.83160	1.63627	0.0652272	0.21605846	2.7505647	21	—	—
358283 2006 UU_{41}	17.2	X	170.60142	125.98073	185.79197	0.36923	0.1883622	0.21951362	2.7216257	21	—	—
358284 2006 US_{44}	16.3	X	190.24711	220.08397	48.33255	12.21355	0.0529000	0.21144757	2.7904072	21	—	—
358285 2006 UC_{47}	17.3	X	30.56211	221.00765	167.54596	2.14142	0.0722250	0.20398354	2.8580685	21	—	—
358286 2006 UD_{49}	16.7	X	135.20015	53.34549	299.87014	5.34129	0.0219739	0.22371905	2.6874108	21	—	—
358287 2006 UE_{61}	17.0	X	281.58533	299.97919	9.58569	4.54159	0.2849661	0.24180611	2.5516702	21	3 18.1	20.8
358288 2006 UT_{65}	16.4	X	139.05363	278.38528	95.16393	2.11316	0.0711927	0.22622236	2.6675487	21	1 24.1	20.1
358289 2006 UM_{71}	16.8	X	147.70549	270.64832	60.95744	4.32219	0.1011962	0.21935902	2.7229044	21	—	—
358290 2006 US_{86}	16.3	X	180.12125	258.10455	42.74222	10.28661	0.0546971	0.21569380	2.7536639	21	—	—
358291 2006 UZ_{87}	16.8	X	134.23840	341.59410	336.03544	3.17749	0.0792130	0.21197887	2.7857427	21	—	—
358292 2006 UW_{94}	16.6	X	184.33042	243.58025	67.40321	5.89688	0.1075084	0.22167165	2.7039331	21	1 1.7	20.7
358293 2006 UE_{96}	17.1	X	314.93002	337.10895	117.16901	2.99632	0.1982184	0.20078604	2.8883315	21	12 5.2	19.9
358294 2006 UP_{96}	16.7	X	152.69555	294.57649	58.41602	7.03636	0.0418283	0.22248195	2.6973638	21	1 12.3	20.5
358295 2006 UG_{101}	16.7	X	191.04750	160.87903	173.58462	6.26597	0.0609974	0.22589668	2.6701121	21	2 1.4	20.7
358296 2006 UF_{102}	16.9	X	147.93307	153.80709	176.89634	5.84296	0.0208247	0.21660926	2.7458999	21	—	—
358297 2006 UA_{110}	16.6	X	261.98019	359.32891	275.71953	5.95837	0.1138259	0.23503964	2.6004109	21	1 30.9	20.5
358298 2006 UT_{117}	17.0	X	34.64585	0.14308	44.11405	2.14845	0.0386175	0.21003346	2.8029180	21	—	—
358299 2006 UK_{125}	17.1	X	192.93204	298.10948	327.55044	3.37547	0.0301013	0.21363275	2.7713465	21	—	—
358300 2006 UL_{127}	15.7	X	343.17161	113.59601	27.93843	13.98968	0.1603569	0.21414028	2.7669659	21	—	—
358301 2006 US_{150}	16.7	X	297.60552	194.47777	0.74482	9.14017	0.0945002	0.21919627	2.7242520	21	—	—
358302 2006 UZ_{160}	16.9	X	261.28994	127.11494	149.40514	2.80497	0.1026189	0.23113576	2.6296097	21	2 3.8	20.9
358303 2006 UJ_{162}	16.8	X	28.01069	295.67916	115.90501	2.97832	0.1068144	0.20988469	2.8042423	21	—	—
358304 2006 UW_{165}	17.1	X	113.12622	198.64962	151.08658	4.31800	0.1149452	0.21588106	2.7520713	21	—	—
358305 2006 UC_{172}	15.4	X	273.47201	224.89258	231.56469	18.75428	0.1043923	0.19074175	2.9888598	21	10 6.3	19.7
358306 2006 UA_{183}	16.6	X	54.44013	54.85210	325.55501	7.99747	0.1617981	0.21209238	2.7847487	21	—	—
358307 2006 US_{185}	16.7	X	137.15845	245.68945	118.15216	6.63398	0.0976871	0.22284645	2.6944217	21	1 13.6	20.5
358308 2006 UO_{226}	16.9	X	99.48614	296.49408	63.74298	4.26596	0.2032917	0.21624033	2.7490223	21	—	—
358309 2006 UK_{229}	16.2	X	285.99155	196.21389	208.06063	6.30244	0.3276427	0.18588228	3.0407267	21	7 15.9	20.5
358310 2006 UV_{240}	16.9	X	248.79891	28.35987	68.90436	14.08925	0.2924791	0.18314944	3.0708998	21	8 24.3	22.1
358311 2006 UG_{255}	15.3	X	251.51163	172.22895	240.16401	16.43358	0.2057783	0.18134714	3.0912128	21	7 3.3	20.3
358312 2006 UQ_{266}	16.8	X	208.09897	345.59289	109.69246	2.37520	0.1413140	0.18039365	3.1020959	21	7 22.2	21.8
358313 2006 UG_{268}	17.1	X	23.27456	175.37275	211.20301	1.30098	0.1024920	0.20330284	2.8644445	21	12 28.2	20.8
358314 2006 UW_{268}	17.3	X	9.26699	186.56105	217.26454	1.69546	0.0522819	0.20291075	2.8681333	21	12 24.3	20.9
358315 2006 UR_{270}	15.8	X	178.59518	251.87632	227.26902	7.14779	0.1478096	0.17675231	3.1445559	21	7 21.6	21.0
358316 2006 UY_{271}	16.6	X	141.21457	324.41788	10.87054	6.41103	0.0727737	0.21595420	2.7514499	21	—	—
358317 2006 UX_{275}	16.8	X	323.35146	61.87270	59.17543	4.76326	0.0488634	0.20977360	2.8052323	21	—	—
358318 2006 UY_{288}	16.8	X	223.79628	124.32383	204.54002	8.34692	0.0408016	0.23445803	2.6047096	21	2 28.6	20.5
358319 2006 UE_{290}	16.5	X	333.49723	88.18268	357.90307	5.53894	0.0349016	0.20463568	2.8519932	21	12 28.6	20.3
358320 2006 UX_{329}	16.7	X	359.78951	125.10684	271.36865	2.34760	0.0736522	0.19883182	2.9072259	21	12 3.0	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358321 2006 UY_{345}	17.3	X	18.66138	174.28112	221.95214	1.29976	0.0708205	0.20300977	2.8672006	21	12 29.7	21.1
358322 2006 UX_{360}	15.8	X	273.57032	310.51657	118.19924	12.60292	0.0480668	0.17653443	3.1471427	21	9 16.4	20.3
358323 2006 UZ_{360}	16.1	X	244.63728	258.37159	192.70382	15.50558	0.2355933	0.18498794	3.0505193	21	8 9.2	21.2
358324 2006 VT_{6}	16.4	X	288.92796	147.91307	244.69909	6.05574	0.2496678	0.18537638	3.0462564	21	7 16.5	20.5
358325 2006 VL_{16}	16.8	X	131.87715	309.56158	38.61413	7.13183	0.1382263	0.21676795	2.7445596	21	—	—
358326 2006 VH_{20}	16.6	X	317.24921	145.79396	251.79976	1.27543	0.1306219	0.19110306	2.9850913	21	9 25.3	20.0
358327 2006 VA_{24}	17.3	X	257.96857	341.35543	113.08759	1.72556	0.2069707	0.18681740	3.0305712	21	9 3.9	21.6
358328 2006 VB_{29}	16.3	X	222.14229	42.64502	51.90803	16.91940	0.3264401	0.17803935	3.1293830	21	7 25.9	22.1
358329 2006 VQ_{45}	16.8	X	268.19885	87.21004	62.20706	3.18252	0.0510616	0.20137858	2.8826629	21	12 17.8	20.6
358330 2006 VK_{62}	16.8	X	295.34181	169.02616	244.55617	4.80332	0.2314878	0.18800021	3.0178466	21	8 24.7	20.5
358331 2006 VF_{65}	16.5	X	297.29971	50.12511	64.38641	14.42624	0.1097665	0.19838629	2.9115770	21	12 6.5	20.0
358332 2006 VT_{65}	16.6	X	204.04076	277.97992	67.33841	5.77472	0.2789237	0.23138464	2.6277237	21	3 6.1	21.4
358333 2006 VY_{67}	16.8	X	260.69114	337.55540	71.77551	2.64010	0.1568455	0.18068366	3.0987756	21	7 18.2	21.3
358334 2006 VL_{74}	16.1	X	264.81326	19.06324	79.09214	10.01994	0.0994976	0.18855626	3.0119106	21	10 6.9	20.4
358335 2006 VH_{77}	16.4	X	254.49766	135.29611	90.38734	4.95624	0.0712941	0.21377015	2.7701589	21	—	—
358336 2006 VQ_{79}	16.6	X	292.34502	103.46399	102.39166	4.43449	0.0132892	0.21677198	2.7445256	21	—	—
358337 2006 VE_{81}	15.9	X	295.33729	154.18099	232.18067	9.13450	0.0629111	0.18283643	3.0744037	21	8 12.1	20.3
358338 2006 VQ_{91}	16.4	X	197.38382	224.51580	278.73998	2.78041	0.3217357	0.17734461	3.1375505	21	8 30.8	22.2
358339 2006 VM_{103}	16.7	X	9.13946	279.40637	124.21822	2.78796	0.1566948	0.20058104	2.8902992	21	—	—
358340 2006 VZ_{105}	16.7	X	237.75260	14.70607	254.64934	2.71290	0.1789602	0.22370920	2.6874897	21	1 1.4	21.1
358341 2006 VH_{112}	16.4	X	230.43914	325.86304	9.19037	9.38542	0.3133511	0.23623260	2.5916489	21	3 10.1	21.1
358342 2006 VC_{115}	16.7	X	280.50538	203.01887	32.31024	13.20232	0.1511376	0.22293713	2.6936910	21	1 2.5	21.0
358343 2006 VR_{135}	16.4	X	165.71057	219.84264	325.14643	0.60824	0.0601867	0.18769435	3.0211242	21	9 29.8	20.9
358344 2006 VZ_{143}	16.4	X	328.05430	54.30126	345.52460	9.77315	0.2489169	0.19462760	2.9489433	21	10 7.7	19.1
358345 2006 WZ_{6}	15.8	X	193.90376	271.56823	39.43060	16.33158	0.1028723	0.22500400	2.6771696	21	1 12.5	20.2
358346 2006 WR_{19}	16.5	X	237.09632	344.71647	199.09560	9.11938	0.0655083	0.20271062	2.8700208	21	12 19.3	20.6
358347 2006 WZ_{38}	17.2	X	233.44192	285.42042	169.69715	1.86317	0.1413922	0.18150342	3.0894381	21	8 15.9	21.8
358348 2006 WQ_{48}	16.7	X	111.87809	294.52248	54.53559	6.78877	0.0844406	0.20974004	2.8055316	21	—	—
358349 2006 WS_{61}	16.4	X	140.69896	302.47579	56.89859	7.00345	0.0479161	0.22004242	2.7172636	21	1 6.8	20.1
358350 2006 WE_{77}	15.9	X	175.96179	279.04684	237.22402	15.22239	0.1958982	0.18120179	3.0928657	21	8 28.1	21.4
358351 2006 WX_{92}	17.0	X	285.74319	288.41022	166.68714	2.00952	0.0618473	0.19410394	2.9542448	21	11 1.2	21.0
358352 2006 WV_{103}	16.9	X	233.47134	32.84767	74.31990	3.16267	0.2135765	0.18176056	3.0865237	21	8 25.4	21.8
358353 2006 WZ_{103}	16.9	X	288.78799	284.78013	151.20686	0.80036	0.1006285	0.18979157	2.9988271	21	10 6.0	20.7
358354 2006 WX_{109}	16.8	X	7.30465	321.22013	113.36143	3.15400	0.0403137	0.20389092	2.8589339	21	—	—
358355 2006 WO_{111}	17.1	X	295.91370	303.07333	119.62971	1.71572	0.1874404	0.18860069	3.0114376	21	9 17.1	20.7
358356 2006 WF_{116}	16.9	X	103.72574	350.42878	9.79788	4.06743	0.1113498	0.21263713	2.7799905	21	—	—
358357 2006 WL_{123}	16.3	X	159.63835	37.02334	125.65258	10.55995	0.0854317	0.17226435	3.1989377	21	8 28.3	21.2
358358 2006 WV_{143}	16.7	X	297.23956	35.12750	99.72659	3.20800	0.0266785	0.20281918	2.8689966	21	—	—
358359 2006 WQ_{176}	16.8	X	140.06823	197.00117	134.72061	7.05714	0.0486476	0.21284673	2.7781652	21	—	—
358360 2006 WM_{188}	16.6	X	319.02536	359.15275	89.95470	3.12776	0.1028157	0.19854802	2.9099957	21	12 9.4	20.1
358361 2006 WF_{193}	15.6	X	230.12172	229.44948	246.01446	10.29210	0.1853459	0.18264015	3.0766060	21	8 28.6	20.7
358362 2006 WX_{197}	15.8	X	254.37055	196.60361	292.16095	9.84703	0.0209689	0.18948730	3.0020366	21	11 3.6	20.1
358363 2006 WK_{199}	17.2	X	302.69961	216.86907	217.65979	0.51135	0.1277011	0.19254719	2.9701469	21	10 21.7	20.9
358364 2006 WL_{200}	17.3	X	214.17723	57.94060	93.97330	3.00094	0.2254974	0.18601385	3.0392928	21	9 30.2	22.4
358365 2006 WL_{201}	17.5	X	46.91496	116.30528	324.63372	16.34475	0.1416331	0.34441794	2.0156364	21	—	—
358366 2006 WW_{201}	16.1	X	271.74980	312.58058	107.93664	4.52181	0.0846476	0.17504235	3.1650017	21	8 26.1	20.4
358367 2006 XT_{8}	15.8	X	212.04709	1.29816	109.27696	15.65523	0.2852822	0.17667065	3.1455248	21	8 6.6	21.3
358368 2006 XW_{9}	16.8	X	241.18544	77.49169	22.58331	1.16960	0.1843421	0.18043815	3.1015858	21	8 26.1	21.4
358369 2006 XE_{15}	15.7	X	226.78136	352.15098	88.50664	18.60352	0.1662092	0.17658687	3.1465196	21	7 20.9	20.8
358370 2006 XC_{19}	15.8	X	270.35673	351.58334	94.81529	12.07296	0.0949971	0.18443598	3.0566024	21	9 30.6	20.2
358371 2006 XM_{20}	16.4	X	180.21760	232.64660	276.13913	8.46681	0.1752839	0.17519657	3.1631441	21	8 25.6	21.7
358372 2006 XN_{24}	17.1	X	307.52424	197.21673	79.85162	23.36714	0.0501463	0.36873664	1.9260099	21	4 7.2	19.8
358373 2006 XL_{27}	16.8	X	243.96181	42.64705	57.93570	3.19406	0.2792470	0.18082997	3.0971039	21	8 20.6	21.8
358374 2006 XS_{36}	17.4	X	7.75123	41.45642	296.93842	2.84076	0.1602482	0.32044908	2.1149334	21	10 31.9	19.1
358375 2006 XE_{37}	15.4	X	292.41177	248.74006	106.39469	20.19624	0.1492690	0.17306229	3.1890972	21	6 20.7	19.8
358376 Gwyn	15.4	X	147.75643	66.17732	156.85660	18.92581	0.0817217	0.17912433	3.1167334	21	10 31.2	20.4
358377 2006 XS_{69}	16.3	X	250.51517	106.20673	60.50877	6.42940	0.0321937	0.19328933	2.9625394	21	12 17.4	20.4
358378 2006 XJ_{71}	15.8	X	273.60612	161.48526	286.92514	8.42767	0.0770000	0.18413654	3.0599152	21	9 28.7	20.2
358379 2006 XY_{71}	15.1	X	61.05029	333.00855	287.10253	11.02434	0.0262799	0.17589469	3.1547689	21	8 22.2	19.7
358380 2006 XZ_{72}	16.2	X	138.48472	295.84270	292.98866	9.67809	0.1572819	0.18213063	3.0823413	21	10 22.9	21.5
358381 2006 XJ_{73}	16.5	X	226.97202	2.26954	108.89572	3.84839	0.1190787	0.17890418	3.1192898	21	9 1.7	21.3
358382 2006 YZ_{10}	15.9	X	247.14280	0.93484	108.72483	18.31373	0.2411968	0.18156263	3.0887665	21	9 12.4	21.0
358383 2006 YQ_{19}	16.1	X	278.65662	116.49984	301.48072	7.50949	0.1624666	0.17970251	3.1100447	21	8 17.6	20.3
358384 2006 YT_{29}	16.5	X	297.98291	106.87249	333.93141	4.49421	0.1188708	0.18799770	3.0178735	21	10 20.9	20.4
358385 2006 YK_{32}	16.0	X	33.50933	13.75459	305.70920	16.20056	0.1496542	0.18340332	3.0680652	21	10 12.6	20.3
358386 2006 YE_{36}	16.9	X	240.37302	98.42263	3.01726	4.17786	0.0791051	0.17888108	3.1195583	21	9 8.5	21.4
358387 2006 YP_{38}	16.6	X	167.70864	223.37408	326.84071	4.32767	0.1213745	0.17950778	3.1122934	21	10 5.5	21.5
358388 2006 YJ_{42}	15.6	X	169.81996	291.19544	302.12427	14.61851	0.1643900	0.18931770	3.0038292	21	11 26.8	20.8
358389 2006 YT_{42}	15.8	X	189.63158	86.25046	91.73014	21.93063	0.2112752	0.18131492	3.0915790	21	10 20.8	21.4
358390 2006 YT_{45}	16.9	X	287.83824	244.54553	201.64887	1.57394	0.0721343	0.19064206	2.9899016	21	10 21.4	20.9
358391 2006 YM_{51}	16.7	X	247.42263	308.13670	137.09552	3.43090	0.0435040	0.17568386	3.1572924	21	9 1.0	21.2
358392 2007 AR_{7}	16.1	X	189.47907	88.33351	124.56228	10.42488	0.0491701	0.18957862	3.0010725	21	12 1.5	20.7
358393 2007 AJ_{22}	16.4	X	223.97059	37.50695	70.14129	7.82743	0.1236372	0.17606358	3.1527511	21	8 26.8	21.3
358394 2007 AE_{24}	15.5	X	168.46014	223.63655	297.85902	13.87382	0.1270118	0.17304672	3.1892884	21	8 28.8	20.8
358395 2007 AP_{25}	16.0	X	228.16026	351.03123	137.25528	9.96151	0.2013022	0.18136263	3.0910368	21	9 17.1	20.9
358396 2007 AK_{30}	16.2	X	139.62368	66.08109	122.39759	11.84776	0.0262820	0.17543659	3.1602584	21	9 5.6	20.8
358397 2007 AO_{31}	15.5	X	79.84882	211.81939	102.41445	11.18191	0.0381320	0.18747160	3.0235169	21	11 29.8	19.9
358398 2007 BD_{6}	15.4	X	172.17262	252.57213	285.77115	14.81991	0.0869766	0.17851719	3.1237962	21	9 19.5	20.5
358399 2007 BE_{6}	15.5	X	237.16133	157.64409	274.34794	14.04017	0.2498735	0.17448269	3.1717661	21	7 11.2	20.8
358400 2007 BD_{22}	15.9	X	136.62664	303.49199	321.62738	8.70200	0.0510511	0.18965056	3.0003135	21	12 3.1	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358401 2007 BL_{26}	15.8	X	354.39407	13.04853	307.23767	10.92104	0.0623163	0.17266152	3.1940301	21	8 13.3	20.1
358402 2007 BJ_{35}	16.1	X	315.65909	98.34929	304.62158	9.41044	0.1253473	0.18384182	3.0631846	21	9 24.8	20.0
358403 2007 BR_{40}	17.2	X	205.95666	22.22392	133.80590	1.61436	0.1146187	0.18086092	3.0967506	21	10 4.4	21.8
358404 2007 BX_{43}	15.4	X	276.97368	298.64635	142.68210	13.91961	0.1019734	0.18005836	3.1059456	21	9 28.7	19.7
358405 2007 BO_{54}	16.5	X	321.91595	66.53854	318.25269	9.41698	0.1032703	0.17979792	3.1089443	21	9 13.9	20.4
358406 2007 BM_{58}	15.8	X	152.78573	56.71979	137.41772	18.25125	0.1304600	0.17458579	3.1705173	21	10 2.8	21.1
358407 2007 BJ_{71}	15.8	X	162.03148	49.10277	156.30491	9.95721	0.0284847	0.17868603	3.1218280	21	10 22.9	20.4
358408 2007 BU_{79}	15.5	X	109.34595	304.02754	326.92955	11.33441	0.1152511	0.18118104	3.0931018	21	11 11.7	20.5
358409 2007 CE_{2}	15.6	X	222.56126	166.61886	318.68213	13.48477	0.0726517	0.17662063	3.1461187	21	9 12.5	20.5
358410 2007 CT_{5}	15.8	X	230.10325	73.95491	15.31062	24.62835	0.3025700	0.17505736	3.1648209	21	8 2.5	21.7
358411 2007 CA_{7}	16.0	X	282.41115	108.58543	280.05475	7.39105	0.0876604	0.17428991	3.1741044	21	7 27.2	20.3
358412 2007 CN_{12}	15.3	X	272.70913	287.61079	145.42711	27.53898	0.1163256	0.17613148	3.1519409	21	9 8.3	19.7
358413 2007 CS_{13}	16.2	X	157.18297	251.22582	337.23801	4.82162	0.1258770	0.18177619	3.0863468	21	11 9.9	21.2
358414 2007 CS_{20}	15.7	X	291.30904	83.38584	310.92783	8.36407	0.0896713	0.17450137	3.1715397	21	8 15.5	19.9
358415 2007 CA_{24}	16.2	X	344.85675	253.53345	152.70691	10.54416	0.0875751	0.18614119	3.0379064	21	11 24.3	20.2
358416 2007 CN_{24}	15.7	X	194.07965	55.54823	135.92120	11.61740	0.0639161	0.18481132	3.0524625	21	11 11.0	20.4
358417 2007 CN_{25}	15.8	X	176.80073	0.08985	164.32482	15.69433	0.2051649	0.17311002	3.1885110	21	9 13.9	21.1
358418 2007 CV_{35}	15.9	X	339.11905	233.36205	132.45459	11.07148	0.0140469	0.17680597	3.1439196	21	9 25.5	20.3
358419 2007 CS_{36}	16.2	X	162.12405	266.37024	318.67799	7.96301	0.1097483	0.18253788	3.0777550	21	11 9.5	21.2
358420 2007 CP_{43}	15.8	X	282.86523	281.70100	150.79981	10.46372	0.0736896	0.17872299	3.1213977	21	9 27.9	20.0
358421 2007 CO_{53}	15.6	X	197.30661	144.39045	350.97173	10.06757	0.1626085	0.17307109	3.1889891	21	8 29.9	20.8
358422 2007 CX_{58}	15.0	X	127.10335	213.50129	11.47337	17.96429	0.1862956	0.17267574	3.1938548	21	10 11.5	20.3
358423 2007 CF_{61}	15.3	X	138.72213	291.70833	277.81719	11.76492	0.0224033	0.17720822	3.1391602	21	9 21.0	20.1
358424 2007 CU_{62}	15.2	X	141.99236	268.37805	282.93389	16.48716	0.1210758	0.17245519	3.1965772	21	9 4.9	20.5
358425 2007 DV_{4}	16.3	X	179.55792	63.58080	126.01948	10.68018	0.2216878	0.18103183	3.0948011	21	10 19.3	21.7
358426 2007 DC_{8}	15.3	X	173.04017	114.87234	49.82494	6.38834	0.0666550	0.16970081	3.2310730	21	9 14.7	20.2
358427 2007 DZ_{13}	15.9	X	323.56054	277.26127	135.08679	10.43839	0.1320022	0.18667913	3.0320675	21	10 30.2	19.6
358428 2007 DR_{14}	15.9	X	314.13554	38.15824	355.08269	9.47206	0.1174915	0.17726556	3.1384832	21	9 14.9	19.6
358429 2007 DK_{15}	16.0	X	104.26099	242.74278	359.78697	8.57508	0.0512125	0.17413065	3.1760396	21	9 29.5	20.6
358430 2007 DM_{16}	15.8	X	84.71375	147.65699	129.79639	10.15746	0.0740830	0.17656024	3.1468360	21	10 27.4	20.5
358431 2007 DM_{18}	15.9	X	7.00621	354.08281	339.98462	11.50824	0.1015193	0.17193024	3.2030806	21	9 19.9	20.0
358432 2007 DZ_{23}	16.3	X	106.55010	103.58410	161.81641	10.08102	0.0539814	0.17699044	3.1417347	21	11 2.9	21.0
358433 2007 DC_{29}	16.0	X	59.06012	127.32742	150.95206	8.38878	0.0473285	0.16907141	3.2390870	21	9 19.9	20.5
358434 2007 DB_{41}	15.8	X	158.56566	169.35169	32.28085	17.85850	0.1575578	0.17606569	3.1527260	21	10 14.7	20.9
358435 2007 DU_{41}	15.5	X	148.15697	103.69018	124.93408	18.06705	0.1631609	0.17927653	3.1149692	21	11 10.4	20.9
358436 2007 DG_{42}	15.3	X	164.56039	228.86174	333.30305	12.12740	0.0658770	0.17797022	3.1301933	21	10 13.2	20.2
358437 2007 DU_{77}	15.2	X	164.61488	31.13150	172.42341	29.28516	0.1729060	0.17436597	3.1731814	21	10 22.3	20.7
358438 2007 DZ_{82}	17.6	X	283.98452	326.94244	173.70074	23.74930	0.2075345	0.32441240	2.0976728	21	—	—
358439 2007 DL_{86}	15.6	X	96.06239	314.74140	325.42870	9.22065	0.1930183	0.17794196	3.1305248	21	11 17.3	20.7
358440 2007 DP_{90}	15.8	X	350.44314	202.24244	149.90940	11.46967	0.0823299	0.17253372	3.1956072	21	9 21.8	19.9
358441 2007 DB_{94}	15.6	X	183.44466	152.21540	358.50180	18.07881	0.1118981	0.17062525	3.2193920	21	9 7.9	20.7
358442 2007 DF_{98}	15.7	X	72.93386	313.93075	337.89873	9.90587	0.0712431	0.17805554	3.1291933	21	10 22.3	20.4
358443 2007 DF_{99}	15.8	X	52.03317	152.06420	146.51625	10.36130	0.0236663	0.17431195	3.1738369	21	10 5.0	20.3
358444 2007 DV_{116}	15.5	X	126.13460	125.18681	92.00423	22.69600	0.0998230	0.17096334	3.2151462	21	10 9.9	20.9
358445 2007 DC_{117}	15.3	X	150.41191	89.06742	114.96866	8.56511	0.1256644	0.17268170	3.1937813	21	10 10.9	20.5
358446 2007 DJ_{117}	15.9	X	53.04214	299.91007	292.94975	1.61962	0.1643414	0.15707437	3.4019858	21	7 30.6	20.3
358447 2007 EB_{35}	16.6	X	200.36031	161.81286	313.56737	3.65215	0.1420389	0.16881618	3.2423509	21	8 7.9	21.7
358448 2007 EC_{35}	16.6	X	194.16591	305.34887	146.89880	5.21772	0.2870776	0.16456319	3.2979768	21	7 1.9	22.5
358449 2007 EM_{36}	15.3	X	241.78009	108.30727	28.85954	16.08460	0.0556428	0.17784957	3.1316088	21	10 25.7	19.7
358450 2007 EN_{54}	15.9	X	185.53253	184.61905	350.01918	9.82182	0.0395682	0.17751406	3.1355535	21	10 6.4	20.5
358451 2007 EM_{60}	16.2	X	102.45247	165.15406	124.69161	2.60572	0.1113109	0.17847449	3.1242944	21	11 30.6	21.0
358452 2007 EZ_{82}	15.8	X	303.26361	247.83367	153.34412	21.83296	0.2382442	0.17972926	3.1097360	21	8 21.2	19.6
358453 2007 EH_{88}	19.9	X	229.22747	324.31459	3.79359	12.09040	0.4412192	0.82850673	1.1227215	21	—	—
358454 2007 EX_{100}	15.4	X	335.13766	36.10796	348.27317	10.43009	0.0956973	0.17759693	3.1345779	21	10 5.1	19.3
358455 2007 EG_{131}	16.4	X	208.08801	337.10266	175.63223	7.50572	0.2307671	0.17625289	3.1504932	21	9 23.9	21.5
358456 2007 EP_{138}	16.5	X	212.36015	22.34141	110.19086	2.71858	0.1252862	0.17606312	3.1527567	21	9 11.8	21.4
358457 2007 EA_{152}	15.9	X	92.35680	137.66746	139.26588	6.40044	0.1317567	0.17239594	3.1973096	21	11 8.3	20.8
358458 2007 EF_{157}	15.8	X	270.53978	274.46995	175.85513	10.79923	0.0565936	0.17766951	3.1337243	21	10 5.2	20.0
358459 2007 EG_{158}	15.2	X	216.52618	115.42342	26.95331	25.81617	0.1856705	0.17490775	3.1666254	21	9 30.4	20.5
358460 2007 EA_{162}	16.4	X	186.74233	358.44251	172.66559	5.19130	0.1519782	0.17730991	3.1379598	21	10 1.7	21.5
358461 2007 FS_{15}	15.2	X	196.22767	127.84428	7.81783	26.91033	0.1453483	0.17119155	3.2122882	21	9 7.8	20.6
358462 2007 FJ_{16}	16.2	X	150.86139	48.63979	180.89675	1.04509	0.1106494	0.17929500	3.1147553	21	11 6.8	21.1
358463 2007 GU_{68}	15.5	X	1.27133	80.09573	189.02859	9.65647	0.0366205	0.15378239	3.4503645	21	6 19.2	20.3
358464 2007 HK_{60}	15.4	X	53.57090	161.45827	187.33717	14.94155	0.0764420	0.17883857	3.1200527	21	12 12.4	20.0
358465 2007 JQ_{45}	18.4	X	93.61254	71.25488	224.45579	5.05370	0.1895165	0.30466983	2.1873406	21	12 23.5	21.7
358466 2007 LX_{1}	17.9	X	41.99724	134.13297	171.73945	5.59000	0.2066135	0.29555463	2.2320857	21	11 14.3	20.5
358467 2007 MY_{1}	17.3	X	75.69112	131.37827	183.62920	7.00104	0.1876125	0.29659514	2.2268623	21	12 29.3	20.7
358468 2007 MO_{3}	17.3	X	95.42007	167.30101	116.99760	5.95782	0.0982525	0.29942131	2.2128276	21	12 4.9	20.3
358469 2007 NO_{2}	17.3	X	49.43293	160.84617	180.30579	7.72367	0.1923089	0.29735232	2.2230804	21	—	—
358470 2007 NH_{3}	17.4	X	88.40746	131.70287	156.79046	9.13486	0.1795822	0.29782697	2.2207178	21	12 9.3	20.9
358471 2007 NS_{4}	19.1	X	112.47331	47.56039	10.96852	5.78339	0.5968832	0.38397459	1.8747113	21	4 10.2	21.7
358472 2007 OT_{10}	16.3	X	53.40818	273.20370	21.87583	22.94229	0.1941231	0.28815323	2.2701456	21	11 3.1	19.3
358473 2007 PA_{5}	17.8	X	71.30232	163.46969	138.46162	6.36335	0.2614958	0.29602470	2.2297222	21	12 16.1	21.3
358474 2007 PA_{12}	17.5	X	46.11069	198.06852	112.68864	7.05974	0.1773748	0.29060262	2.2573715	21	11 21.4	20.4
358475 2007 PX_{15}	17.1	X	51.07080	193.24482	117.29835	4.96606	0.1839754	0.29018769	2.2595228	21	11 27.3	20.0
358476 2007 PT_{20}	17.6	X	280.21748	201.11546	149.00681	3.57862	0.1908921	0.27049688	2.3678883	21	5 18.1	20.7
358477 2007 PV_{25}	17.9	X	118.44918	286.25840	3.78406	3.94016	0.1663247	0.30312963	2.1947436	21	—	—
358478 2007 PJ_{42}	17.8	X	33.93213	139.11462	173.55141	3.18156	0.1774085	0.28960132	2.2625717	21	11 5.9	20.2
358479 2007 PF_{46}	17.9	X	295.84981	4.40773	333.88940	2.99816	0.1013843	0.27167867	2.3610165	21	6 4.9	20.8
358480 2007 QO_{11}	17.1	X	113.18539	225.87133	338.64567	7.08513	0.0783970	0.28039587	2.3118251	21	9 3.6	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358481 2007 QT_{17}	17.6	X	176.78268	276.07592	130.41524	1.93113	0.1731375	0.25819179	2.4425367	21	4 21.1	21.4
358482 2007 RL	17.3	X	232.87644	48.01537	306.80066	5.72104	0.1789895	0.26162250	2.4211368	21	4 2.6	21.3
358483 2007 RU_{1}	17.7	X	31.82070	150.74309	164.24677	3.26872	0.1747854	0.29109261	2.2548376	21	11 6.1	20.0
358484 2007 RG_{21}	17.9	X	101.58806	312.75928	347.42197	2.06574	0.1336653	0.29896460	2.2150806	21	—	—
358485 2007 RF_{38}	17.3	X	211.41510	338.32806	60.68946	3.78667	0.1856709	0.26181305	2.4199618	21	5 12.1	21.2
358486 2007 RD_{45}	17.2	X	237.02508	96.53556	231.84189	4.04584	0.1909389	0.25749058	2.4469691	21	3 5.5	21.3
358487 2007 RU_{47}	17.9	X	150.58258	230.66659	181.62043	6.88559	0.0772267	0.25196807	2.4825940	21	3 24.8	21.3
358488 2007 RL_{56}	16.6	X	344.07813	298.64039	20.88380	7.65858	0.1180500	0.27355653	2.3501991	21	8 4.7	18.9
358489 2007 RP_{60}	17.4	X	31.14789	88.02756	321.35860	6.34680	0.3217104	0.22615276	2.6680960	21	—	—
358490 2007 RU_{86}	16.8	X	45.00612	103.19378	357.91781	29.14642	0.3336146	0.23581484	2.5947088	21	1 28.2	19.1
358491 2007 RT_{94}	17.5	X	296.05958	315.09900	36.59412	2.95638	0.2120774	0.27122600	2.3636428	21	6 6.0	20.1
358492 2007 RZ_{95}	16.5	X	42.43748	160.78573	18.97026	23.93381	0.1649292	0.25496938	2.4630735	21	4 18.6	18.8
358493 2007 RK_{98}	17.4	X	112.05404	259.61519	136.80792	4.23079	0.2467786	0.23978381	2.5659970	21	2 11.3	20.8
358494 2007 RB_{105}	17.2	X	35.85539	271.33284	31.95167	5.84548	0.1844732	0.28383872	2.2930927	21	10 25.5	19.5
358495 2007 RQ_{118}	16.7	X	291.16965	349.24962	16.69056	6.27502	0.1346896	0.27092243	2.3654081	21	7 4.4	19.6
358496 2007 RQ_{120}	17.4	X	102.73817	29.77800	172.33661	6.35202	0.0493761	0.27965323	2.3159161	21	8 12.5	20.4
358497 2007 RB_{142}	16.9	X	321.60028	339.92721	359.67180	6.22658	0.2529586	0.27442401	2.3452437	21	6 27.0	18.8
358498 2007 RP_{145}	17.2	X	311.57382	351.85372	335.62854	2.86834	0.3143419	0.27194091	2.3594984	21	5 6.1	19.7
358499 2007 RR_{148}	17.5	X	25.58330	297.15731	40.64996	3.82935	0.1763787	0.28849937	2.2683295	21	11 27.3	19.9
358500 2007 RB_{151}	17.1	X	94.95025	219.93870	2.01570	6.94919	0.0837276	0.27646608	2.3336810	21	9 6.8	20.0
358501 2007 RB_{153}	14.1	X	40.79727	37.77320	334.84007	13.67352	0.0642429	0.08338890	5.1887636	21	12 2.6	21.0
358502 2007 RW_{153}	17.4	X	298.92595	35.63061	258.82144	1.65566	0.1905466	0.26598665	2.3945808	21	3 24.8	20.6
358503 2007 RH_{173}	18.0	X	124.85834	177.92324	91.68660	2.92944	0.2059302	0.29629036	2.2283892	21	12 17.6	21.6
358504 2007 RN_{173}	16.8	X	33.72861	109.52350	157.92960	7.18529	0.1040077	0.27499508	2.3419957	21	8 13.5	19.3
358505 2007 RR_{178}	17.0	X	109.22187	229.17903	39.93017	6.98696	0.0984336	0.29058201	2.2574782	21	11 26.9	20.1
358506 2007 RQ_{189}	17.4	X	338.87441	276.20297	13.46120	6.75261	0.1042909	0.26935309	2.3745869	21	6 2.9	20.0
358507 2007 RQ_{196}	17.7	X	349.52174	338.55568	338.96400	6.78712	0.1341028	0.28037228	2.3119548	21	8 11.1	19.6
358508 2007 RC_{205}	17.5	X	101.21797	351.03143	293.96407	2.51733	0.2489736	0.29517643	2.2339919	21	12 18.4	21.2
358509 2007 RB_{211}	17.6	X	86.98815	12.54179	185.16958	3.70632	0.0454171	0.27423292	2.3463330	21	7 14.5	20.6
358510 2007 RQ_{211}	17.5	X	20.42089	55.82069	213.21983	6.03277	0.0852398	0.27316000	2.3524730	21	7 19.4	20.0
358511 2007 RB_{222}	17.5	X	330.21508	5.10024	308.26185	0.60489	0.1918456	0.27152707	2.3618952	21	6 12.9	19.5
358512 2007 RJ_{237}	17.0	X	58.12776	305.21782	3.74280	4.99229	0.1385752	0.29173215	2.2515410	21	11 25.3	19.9
358513 2007 RM_{255}	14.0	X	8.78557	153.19777	238.02609	3.66924	0.0600970	0.08010979	5.3294083	21	11 15.6	20.7
358514 2007 RQ_{291}	17.3	X	26.64449	68.26140	185.25394	7.02560	0.0840474	0.27063402	2.3670883	21	7 7.0	19.9
358515 2007 RQ_{294}	17.8	X	330.06229	262.59608	15.87871	4.74511	0.1000164	0.26508969	2.3999792	21	5 2.2	20.4
358516 2007 RL_{295}	17.5	X	64.27935	75.61974	193.14504	1.50811	0.1953843	0.28193082	2.3034264	21	10 17.6	20.4
358517 2007 RA_{309}	16.8	X	83.86265	306.38686	160.73663	6.44602	0.1067348	0.25556698	2.4592323	21	3 14.1	19.6
358518 2007 RD_{309}	14.3	X	13.16141	215.90632	183.24902	3.52433	0.0838368	0.08264012	5.2200590	21	12 2.0	20.8
358519 2007 RE_{309}	14.1	X	254.85023	184.99056	330.92487	4.40408	0.0170140	0.08367846	5.1767865	21	11 21.9	21.1
358520 2007 RB_{310}	17.2	X	284.21780	44.71807	269.74536	4.48125	0.1996214	0.26716775	2.3875182	21	3 31.1	20.6
358521 2007 RG_{314}	17.2	X	43.42932	241.53854	223.81338	6.51804	0.1662107	0.23198889	2.6231589	21	1 7.8	19.7
358522 2007 RH_{318}	17.0	X	122.20817	230.83247	1.65552	5.97339	0.1346291	0.28735971	2.2743230	21	10 24.8	20.3
358523 2007 RH_{325}	17.0	X	61.26583	72.91598	42.28189	12.51105	0.1568798	0.23708240	2.5854522	21	3 4.9	19.9
358524 2007 SL_{2}	17.4	X	4.15588	266.69996	58.40020	0.93368	0.1694505	0.27872430	2.3210589	21	9 27.3	19.1
358525 2007 SS_{17}	17.3	X	70.43327	81.49594	176.23685	6.09622	0.1010809	0.28293214	2.2979885	21	9 26.7	20.0
358526 2007 SV_{23}	17.1	X	101.24748	150.92437	229.67542	3.54606	0.2794407	0.23149674	2.6268753	21	1 13.5	20.3
358527 2007 TE_{7}	16.6	X	306.92512	331.50589	4.62066	6.02839	0.1517235	0.26885282	2.3775317	21	6 10.5	19.3
358528 2007 TR_{9}	17.4	X	251.34022	274.56544	90.78624	1.79737	0.1294528	0.26425279	2.4050438	21	5 12.2	20.8
358529 2007 TN_{13}	16.1	X	324.44797	301.71917	37.22378	13.30226	0.2623844	0.27328433	2.3517594	21	6 30.6	18.2
358530 2007 TR_{22}	16.7	X	84.58515	41.14344	11.30708	13.79814	0.1616811	0.23349721	2.6118502	21	1 15.3	19.9
358531 2007 TU_{25}	17.9	X	336.24178	72.87193	239.10813	0.47812	0.1986932	0.27285585	2.3542209	21	6 23.6	19.7
358532 2007 TN_{31}	17.1	X	105.31111	313.16328	174.50349	8.22254	0.1116686	0.25992375	2.4316743	21	5 14.7	20.3
358533 2007 TP_{35}	17.2	X	49.50453	241.56193	181.16071	7.44215	0.2886334	0.22801926	2.6535159	21	—	—
358534 2007 TU_{35}	16.8	X	105.98354	14.81807	34.76649	14.96495	0.1354217	0.23799513	2.5788376	21	2 11.0	20.4
358535 2007 TN_{49}	17.1	X	3.57960	7.47704	277.36669	1.28804	0.1167770	0.27004304	2.3705406	21	7 15.5	19.0
358536 2007 TX_{52}	17.4	X	113.66450	194.67572	190.04016	1.12135	0.1721046	0.23721384	2.5844970	21	1 18.3	20.6
358537 2007 TY_{56}	17.7	X	315.42754	106.86454	217.29660	3.96523	0.2537179	0.26974301	2.3722980	21	5 20.5	20.0
358538 2007 TR_{66}	18.1	X	91.39667	208.16097	202.96814	1.74741	0.1948756	0.23774060	2.5806779	21	1 24.1	21.0
358539 2007 TM_{73}	17.5	X	94.48671	237.45881	40.40931	8.10218	0.2259147	0.29396551	2.2401226	21	12 1.8	21.2
358540 2007 TS_{92}	18.0	X	52.37207	96.40694	195.26915	1.40181	0.2389432	0.28639482	2.2794283	21	11 9.9	21.0
358541 2007 TZ_{100}	18.1	X	70.65899	305.69343	141.20456	2.22779	0.1865994	0.23919823	2.5701832	21	2 5.6	20.4
358542 2007 TV_{115}	17.5	X	63.36334	230.76569	171.30191	2.65120	0.1232239	0.22819474	2.6521554	21	—	—
358543 2007 TM_{120}	17.0	X	36.22196	102.11807	323.17140	12.48747	0.1573343	0.22814860	2.6525130	21	—	—
358544 2007 TC_{123}	16.7	X	53.48096	247.82134	191.47399	5.86543	0.2838544	0.23191594	2.6237089	21	—	—
358545 2007 TU_{126}	17.8	X	332.50144	260.52100	51.68267	2.41132	0.1962563	0.26961257	2.3730631	21	6 15.4	19.5
358546 2007 TE_{127}	17.8	X	49.55778	303.69104	155.61393	1.83121	0.1145170	0.23602926	2.5931371	21	1 9.5	20.5
358547 2007 TJ_{132}	17.1	X	98.96695	311.25953	209.45818	14.65500	0.0737774	0.25887824	2.4382170	21	6 13.3	20.5
358548 2007 TP_{148}	17.2	X	113.07622	195.44572	185.26240	7.15311	0.2902407	0.23617461	2.5920731	21	1 28.6	20.7
358549 2007 TQ_{154}	17.0	X	35.92633	81.43448	325.89552	3.82366	0.1625507	0.22607378	2.6687174	21	—	—
358550 2007 TM_{155}	17.2	X	40.24016	35.56017	269.59098	4.05219	0.1857596	0.28358413	2.2944650	21	11 2.5	19.8
358551 2007 TC_{157}	17.1	X	79.61526	335.70086	346.85509	4.64445	0.3131370	0.29585509	2.2305743	21	—	—
358552 2007 TG_{162}	17.6	X	19.30733	128.46348	182.79105	2.48967	0.2189855	0.28141909	2.3062179	21	10 15.3	19.4
358553 2007 TD_{163}	17.4	X	27.32187	15.33048	54.45065	2.74006	0.2452682	0.22648012	2.6655244	21	—	—
358554 2007 TL_{165}	16.9	X	36.09492	46.98343	35.98761	13.68765	0.2403442	0.22848313	2.6499232	21	—	—
358555 2007 TD_{191}	17.9	X	165.17820	188.60485	278.38426	1.78341	0.0299832	0.27000407	2.3707687	21	6 20.8	20.9
358556 2007 TS_{197}	16.7	X	159.98808	207.03627	241.62649	3.73037	0.1038038	0.18617273	3.0375633	21	5 27.8	21.2
358557 2007 TV_{198}	17.5	X	105.75921	7.85045	354.01735	2.98264	0.1600454	0.23286825	2.6165509	21	—	—
358558 2007 TP_{201}	16.6	X	287.95528	313.28868	56.02517	8.47641	0.1443678	0.27159013	2.3615296	21	7 2.1	19.5
358559 2007 TE_{222}	17.7	X	74.80655	286.51508	167.14305	2.50699	0.1830147	0.24028837	2.5624037	21	2 21.8	20.4
358560 2007 TE_{227}	17.8	X	165.40340	319.27533	12.21276	3.30305	0.2235546	0.24009198	2.5638008	21	1 14.6	22.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358561 2007 TO_{232}	17.2	X	7.92410	239.51922	220.08085	8.39201	0.1745707	0.22519110	2.6756865	21	—	—
358562 2007 TC_{235}	17.1	X	24.05637	210.74574	27.17440	7.22865	0.0753637	0.26317426	2.4116102	21	6 7.6	19.7
358563 2007 TV_{239}	17.5	X	314.20322	333.95693	337.59372	0.56855	0.1780816	0.26375110	2.4080927	21	5 12.9	20.2
358564 2007 TP_{241}	17.4	X	30.76247	56.14878	52.37791	2.68679	0.1532816	0.23235757	2.6203834	21	—	—
358565 2007 TS_{247}	16.9	X	85.48581	192.10587	262.85388	3.67299	0.1242803	0.24373753	2.5381724	21	3 1.8	19.9
358566 2007 TG_{301}	17.4	X	59.14221	251.18396	18.69602	3.40746	0.1394372	0.27665222	2.3326341	21	10 3.6	20.0
358567 2007 TF_{332}	17.1	X	94.46308	144.72163	277.42007	1.93617	0.1399586	0.23808055	2.5782207	21	2 4.1	20.2
358568 2007 TY_{336}	17.2	X	115.56178	277.29781	143.88370	3.91595	0.2541440	0.24524625	2.5277520	21	3 20.2	20.7
358569 2007 TD_{340}	17.4	X	65.44932	198.41453	36.56319	5.81258	0.0616953	0.27511044	2.3413410	21	8 12.9	20.2
358570 2007 TM_{353}	16.9	X	343.63673	252.30631	35.89409	7.06599	0.0873893	0.26707547	2.3880681	21	6 11.8	19.5
358571 2007 TY_{353}	17.0	X	49.00513	341.75515	37.70410	5.07289	0.1725315	0.22389056	2.6860383	21	—	—
358572 2007 TD_{363}	17.0	X	21.81008	156.81677	73.90925	5.07016	0.0831849	0.25513968	2.4619773	21	5 25.9	19.7
358573 2007 TA_{383}	16.8	X	40.42440	179.70887	39.70528	7.70763	0.1626483	0.25899234	2.4375008	21	6 20.3	19.2
358574 2007 TK_{395}	16.9	X	89.73943	259.31058	277.74726	5.45537	0.0674653	0.26153615	2.4216697	21	6 22.9	19.9
358575 2007 TJ_{423}	17.6	X	36.31983	265.32273	201.24046	2.61691	0.1622158	0.23452381	2.6042225	21	—	—
358576 2007 TO_{423}	16.6	X	339.65472	308.71163	215.27559	12.18444	0.0895338	0.23498060	2.6008464	21	—	—
358577 2007 TM_{424}	16.9	X	166.07214	252.18179	18.74060	6.09232	0.0490462	0.22301214	2.6930870	21	—	—
358578 2007 TE_{426}	17.6	X	51.41234	69.99177	24.85991	9.15236	0.1307161	0.23854974	2.5748391	21	1 8.1	20.4
358579 2007 TE_{441}	16.6	X	132.83013	273.85471	142.21796	10.73773	0.1480158	0.24452535	2.5327177	21	3 21.2	20.2
358580 2007 TS_{450}	16.1	X	267.31051	300.16433	101.13235	6.09856	0.1015880	0.19706660	2.9245611	21	7 24.1	20.2
358581 2007 UD_{5}	17.1	X	26.58221	62.26016	39.39102	5.92631	0.2015600	0.23130113	2.6283562	21	—	—
358582 2007 UE_{8}	16.9	X	110.25437	89.35277	303.86317	5.34742	0.1866620	0.23661113	2.5888840	21	1 27.3	20.0
358583 2007 UP_{12}	17.6	X	235.53908	144.14627	246.56246	2.21683	0.1755554	0.26209207	2.4182441	21	5 24.5	21.4
358584 2007 UB_{24}	17.7	X	134.11862	279.97711	121.89459	3.05952	0.0921932	0.24279316	2.5447498	21	2 23.4	21.2
358585 2007 UG_{30}	17.3	X	125.71931	217.09044	126.47902	5.24934	0.2558782	0.23531822	2.5983582	21	—	—
358586 2007 UE_{31}	17.2	X	112.35468	319.04621	79.39128	6.13484	0.2029648	0.23946731	2.5682575	21	2 9.9	20.6
358587 2007 UP_{31}	17.4	X	218.83744	326.97210	44.55824	6.29150	0.0874801	0.25705696	2.4497202	21	4 18.4	20.8
358588 2007 UU_{36}	16.9	X	64.67341	92.10796	342.74048	3.97316	0.1406148	0.23429363	2.6059279	21	1 5.3	19.7
358589 2007 UV_{37}	17.2	X	69.08677	244.10583	148.01561	6.63968	0.2422540	0.23030071	2.6359623	21	—	—
358590 2007 UH_{55}	17.7	X	83.61688	39.53155	43.32773	2.60524	0.1574209	0.23876814	2.5732687	21	2 19.7	20.5
358591 2007 UJ_{56}	17.5	X	61.64376	76.84410	27.02875	6.54315	0.2232292	0.23909608	2.5709152	21	2 20.8	19.8
358592 2007 UN_{56}	16.9	X	294.74352	312.73699	38.62463	7.95629	0.1376006	0.26806924	2.3821626	21	6 16.2	19.7
358593 2007 UD_{76}	17.0	X	17.23310	218.15853	20.14875	4.93926	0.1417728	0.25924834	2.4358959	21	5 29.5	19.2
358594 2007 UW_{80}	17.8	X	174.57048	354.89564	26.89088	1.94531	0.0188948	0.24778214	2.5104759	21	3 9.7	21.0
358595 2007 UZ_{86}	17.6	X	52.36647	244.90476	79.24412	3.89289	0.2479089	0.28728464	2.2747191	21	12 22.9	20.6
358596 2007 UW_{94}	17.7	X	26.89705	275.78614	339.89741	1.61469	0.1506860	0.26614489	2.3936315	21	7 20.1	19.8
358597 2007 US_{100}	16.7	X	233.43439	261.34915	56.10073	10.55022	0.0981710	0.24513816	2.5284950	21	3 1.3	20.6
358598 2007 UE_{105}	17.5	X	16.07530	17.05198	98.08950	5.29952	0.1637993	0.22778587	2.6553282	21	—	—
358599 2007 UP_{127}	17.2	X	13.18773	279.92676	218.43977	12.24970	0.2171486	0.23340309	2.6125522	21	—	—
358600 2007 UX_{136}	17.3	X	99.66552	236.54454	184.05337	5.09784	0.1162926	0.23704330	2.5857364	21	2 5.3	20.4
358601 2007 UL_{137}	17.1	X	311.90258	28.02849	277.15092	3.80759	0.1373747	0.26172884	2.4204809	21	5 6.0	19.8
358602 2007 VA_{2}	16.7	X	106.10142	198.86054	188.80886	4.81941	0.3359196	0.23476738	2.6024210	21	2 5.3	20.1
358603 2007 VP_{3}	16.3	X	102.99488	77.16438	3.42631	8.94221	0.2172707	0.24093049	2.5578489	21	3 24.6	19.6
358604 2007 VQ_{3}	16.5	X	4.02494	153.03314	176.50984	9.16809	0.3166921	0.27815427	2.3242289	21	11 1.1	18.0
358605 2007 VE_{12}	16.5	X	351.87141	50.12286	57.73166	9.92874	0.2479431	0.22182471	2.7026892	21	—	—
358606 2007 VZ_{27}	17.0	X	108.29425	343.40497	90.66175	3.45639	0.1190289	0.24232176	2.5480490	21	3 9.6	20.2
358607 2007 VQ_{29}	16.2	X	39.57543	28.44981	60.83305	22.65493	0.0368695	0.22963377	2.6410637	21	—	—
358608 2007 VB_{33}	17.6	X	143.28445	71.68525	315.33058	2.74230	0.0475865	0.24202588	2.5501252	21	2 8.8	20.9
358609 2007 VC_{48}	16.9	X	306.80878	96.46999	20.12788	9.57455	0.1004859	0.21707932	2.7419346	21	12 31.5	20.3
358610 2007 VK_{60}	16.6	X	83.33031	112.40074	2.67698	3.24765	0.1694083	0.24150408	2.5537971	21	4 4.4	19.6
358611 2007 VM_{66}	16.3	X	14.83527	2.70708	118.29645	12.70572	0.1386501	0.23200452	2.6230410	21	—	—
358612 2007 VG_{77}	17.4	X	41.48660	95.23369	55.60997	8.04578	0.0609842	0.24344083	2.5402343	21	3 9.5	20.5
358613 2007 VH_{78}	17.4	X	327.55148	113.09600	154.49206	1.65435	0.1701318	0.25630197	2.4545285	21	4 3.7	20.1
358614 2007 VT_{87}	16.7	X	45.11533	86.08110	24.25985	10.05691	0.2160438	0.23345528	2.6121628	21	1 24.9	19.1
358615 2007 VQ_{89}	17.3	X	269.36767	294.66208	66.08731	7.60711	0.1810612	0.26441386	2.4040670	21	5 20.5	20.6
358616 2007 VV_{96}	17.3	X	74.25524	29.98628	25.66056	10.05635	0.0879364	0.23209889	2.6223300	21	—	—
358617 2007 VZ_{114}	16.8	X	286.39274	29.42084	217.48181	5.99808	0.0384458	0.23833345	2.5763966	21	1 30.5	20.4
358618 2007 VK_{119}	17.0	X	113.45925	227.23719	173.58951	8.91328	0.1640129	0.23781253	2.5801576	21	2 5.1	20.4
358619 2007 VO_{120}	17.3	X	122.49903	96.78770	281.66367	5.52769	0.1223664	0.23616978	2.5921084	21	1 14.5	20.8
358620 2007 VF_{121}	17.4	X	60.16856	140.56767	280.15015	3.99969	0.1878108	0.22993346	2.6387684	21	—	—
358621 2007 VM_{122}	16.9	X	243.15326	55.72787	278.72551	3.45967	0.1206265	0.25228448	2.4805179	21	3 23.2	20.7
358622 2007 VJ_{141}	17.3	X	68.34610	111.40645	15.55531	3.28658	0.1451151	0.24214818	2.5492665	21	3 24.6	20.1
358623 2007 VD_{143}	16.2	X	274.10739	261.71987	106.25495	2.80908	0.1196246	0.19088089	2.9874072	21	6 16.2	20.2
358624 2007 VN_{147}	17.1	X	26.85257	342.11366	93.62133	6.09230	0.1312813	0.22338295	2.6901059	21	—	—
358625 2007 VM_{153}	17.1	X	24.48190	189.66083	44.31614	6.18445	0.0462762	0.26335591	2.4105011	21	6 1.0	19.8
358626 2007 VY_{153}	17.6	X	325.51750	82.69710	219.14058	6.06079	0.1219771	0.26675420	2.3899852	21	5 28.0	20.0
358627 2007 VA_{159}	17.1	X	16.36023	271.92812	217.33759	10.61269	0.2498518	0.22926151	2.6439219	21	—	—
358628 2007 VW_{160}	17.1	X	351.96804	90.70779	122.07776	5.46944	0.0770725	0.24575144	2.5242866	21	3 13.6	20.0
358629 2007 VN_{166}	17.2	X	44.83362	234.21625	76.58116	6.41874	0.3064609	0.28223954	2.3017464	21	12 4.6	20.2
358630 2007 VB_{168}	16.9	X	288.03928	259.57701	60.83185	3.11381	0.1159587	0.25586093	2.4573484	21	4 28.9	19.9
358631 2007 VA_{179}	17.5	X	111.52616	323.15669	112.58933	2.18512	0.0262755	0.24503995	2.5291706	21	2 28.6	20.6
358632 2007 VA_{202}	16.7	X	80.04196	290.12270	164.98507	13.73332	0.1371652	0.24049617	2.5609275	21	2 25.4	19.5
358633 2007 VY_{214}	17.3	X	355.96965	192.08562	103.72609	5.48819	0.2150682	0.26840914	2.3801510	21	7 17.6	18.5
358634 2007 VX_{230}	17.4	X	147.14663	315.41770	55.25284	2.47572	0.1810925	0.23978300	2.5660028	21	2 10.1	21.2
358635 2007 VD_{239}	17.5	X	342.07440	257.34870	63.26335	3.52072	0.1987915	0.26900857	2.3766139	21	7 25.4	19.0
358636 2007 VK_{242}	16.4	X	60.68791	341.40901	76.03911	15.58384	0.2361735	0.22857088	2.6492450	21	—	—
358637 2007 VC_{252}	17.0	X	57.13424	339.15307	89.69571	3.38251	0.1948320	0.23065949	2.6332282	21	—	—
358638 2007 VT_{264}	16.6	X	4.30669	138.01887	271.54306	5.34171	0.0675050	0.21472340	2.7619541	21	12 29.2	20.1
358639 2007 VD_{268}	16.7	X	103.13230	219.19965	147.56896	5.41955	0.2336486	0.23178114	2.6247261	21	—	—
358640 2007 VZ_{269}	16.9	X	61.91124	334.13551	113.67707	5.44375	0.1375988	0.23366163	2.6106247	21	1 17.9	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358641 2007 VJ_{270}	16.7	X	97.18182	335.38855	50.39982	8.59439	0.1673038	0.23073208	2.6326759	21	—	—
358642 2007 VC_{280}	17.0	X	347.27749	22.70978	236.03108	4.81175	0.1009445	0.25618878	2.4552514	21	5 4.3	19.7
358643 2007 VS_{281}	17.1	X	64.36619	161.26301	238.15222	2.13510	0.1161904	0.22623690	2.6674345	21	—	—
358644 2007 VZ_{292}	16.9	X	107.53139	246.88621	160.32223	9.77185	0.2058798	0.23800735	2.5787494	21	2 12.6	20.3
358645 2007 VT_{295}	16.7	X	344.42012	261.97646	171.82072	7.85144	0.2133975	0.21668526	2.7452578	21	—	—
358646 2007 VE_{300}	17.4	X	140.95740	246.11212	143.99922	2.20946	0.2033751	0.24179628	2.5517394	21	3 1.2	21.2
358647 2007 VV_{305}	17.0	X	29.81786	330.61396	100.32039	3.23335	0.0631351	0.21893569	2.7264132	21	—	—
358648 2007 VO_{306}	17.2	X	33.21954	142.28111	260.06596	3.88146	0.1640317	0.22090474	2.7101876	21	—	—
358649 2007 VP_{310}	16.5	X	265.35148	307.73744	297.79046	10.26799	0.0384914	0.22308407	2.6925080	21	1 9.1	20.2
358650 2007 VL_{312}	17.0	X	175.81265	58.76466	266.34087	2.89679	0.1995363	0.23672713	2.5880382	21	1 13.7	21.2
358651 2007 VB_{317}	17.2	X	35.50762	157.89368	271.30638	3.17314	0.0995720	0.22317207	2.6918002	21	—	—
358652 2007 VO_{318}	17.3	X	357.96018	239.30546	205.91642	4.08562	0.0909034	0.22002767	2.7173850	21	—	—
358653 2007 VG_{321}	16.9	X	58.13788	44.66640	11.63562	12.23488	0.1674116	0.22905369	2.6455208	21	—	—
358654 2007 VF_{323}	16.4	X	137.89520	295.26234	66.96502	17.91624	0.2455453	0.23556068	2.5965749	21	2 1.6	20.6
358655 2007 VF_{325}	17.2	X	51.52467	55.20534	338.16382	2.05034	0.1812059	0.22224863	2.6992513	21	—	—
358656 2007 VY_{325}	16.6	X	296.99513	258.21274	71.81123	6.65230	0.1661012	0.26065700	2.4271118	21	5 16.6	19.4
358657 2007 VZ_{327}	16.3	X	54.27010	193.96132	255.32582	21.31879	0.0419867	0.23494061	2.6011416	21	—	—
358658 2007 VJ_{331}	17.2	X	116.01875	117.64572	261.32006	2.58261	0.1656282	0.23360793	2.6110248	21	1 13.8	20.6
358659 2007 VK_{334}	16.2	X	9.72146	228.22627	254.64114	8.03480	0.0584020	0.22845903	2.6501096	21	—	—
358660 2007 WY_{2}	17.2	X	17.54023	87.74591	19.36782	12.90318	0.2249781	0.22815004	2.6525018	21	—	—
358661 2007 WK_{6}	16.9	X	63.12238	126.19396	299.11769	5.34680	0.1897150	0.23058065	2.6338284	21	—	—
358662 2007 WB_{8}	16.9	X	155.63431	78.13910	296.11607	4.96784	0.1792611	0.24100183	2.5573440	21	2 20.0	20.9
358663 2007 WU_{8}	16.0	X	106.44174	317.14763	75.28751	14.61192	0.2450236	0.23162317	2.6259193	21	2 4.0	19.6
358664 2007 WJ_{9}	17.4	X	26.84588	98.87075	357.91643	8.20151	0.0418059	0.23137957	2.6277621	21	—	—
358665 2007 WR_{19}	16.6	X	4.89705	36.36261	109.14863	3.77806	0.1231866	0.23099605	2.6306699	21	—	—
358666 2007 WE_{39}	16.9	X	87.70180	63.91815	18.19439	5.61325	0.0853140	0.23725457	2.5842012	21	2 15.8	20.0
358667 2007 WV_{60}	16.1	X	14.77440	281.38917	126.49052	11.84529	0.2897345	0.21090995	2.7951471	21	—	—
358668 2007 XE	17.1	X	76.60248	43.90146	353.30751	4.94407	0.2566351	0.22866282	2.6485347	21	—	—
358669 2007 XQ_{4}	16.2	X	34.40328	333.41672	105.97088	14.36255	0.2011590	0.22141574	2.7060161	21	—	—
358670 2007 XJ_{21}	17.0	X	29.65106	111.14314	333.79339	1.06620	0.2249086	0.22582183	2.6707020	21	—	—
358671 2007 XP_{21}	15.5	X	266.24526	97.12912	261.75414	12.19433	0.0729441	0.18600761	3.0393607	21	6 1.3	19.9
358672 2007 XA_{34}	16.4	X	37.28693	8.42947	51.81518	3.54223	0.2603892	0.22158014	2.7046775	21	—	—
358673 2007 XG_{51}	16.1	X	255.27406	104.22931	145.41187	9.14805	0.1034076	0.21752472	2.7381903	21	—	—
358674 2007 XC_{52}	16.9	X	324.69491	121.25358	32.03766	5.37202	0.0566961	0.21964392	2.7205493	21	—	—
358675 Bente	15.9	X	211.28177	261.26783	95.05091	7.24690	0.1594828	0.24606795	2.5221216	21	3 24.6	20.0
358676 2007 YE_{4}	17.3	X	46.51597	28.56100	73.87508	6.72558	0.1612553	0.23349749	2.6118481	21	1 11.1	19.8
358677 2007 YM_{4}	17.3	X	70.24004	129.25388	342.35732	3.63907	0.1416035	0.23970363	2.5665692	21	3 5.5	20.1
358678 2007 YF_{18}	16.9	X	37.06075	63.39810	353.87827	7.72624	0.2123055	0.22033535	2.7148547	21	—	—
358679 2007 YF_{20}	16.4	X	116.68591	96.51049	265.69803	5.02589	0.0256200	0.22303867	2.6928735	21	—	—
358680 2007 YS_{20}	16.4	X	252.33072	229.10637	118.51212	3.08930	0.2384049	0.25217372	2.4812441	21	4 12.4	20.4
358681 2007 YG_{24}	16.6	X	28.32127	4.40159	80.13028	5.87194	0.0817462	0.22132963	2.7067180	21	—	—
358682 2007 YA_{36}	16.6	X	334.72149	335.95503	78.99432	3.15147	0.0595946	0.20437763	2.8543932	21	11 21.2	20.3
358683 2007 YT_{45}	16.6	X	84.77829	107.46726	290.75900	5.04348	0.0779790	0.22094378	2.7098684	21	—	—
358684 2007 YH_{51}	16.0	X	323.75787	35.03746	109.66538	14.41481	0.0894692	0.21719033	2.7410001	21	—	—
358685 2007 YY_{53}	16.6	X	312.79052	156.98234	132.65705	7.30794	0.0443209	0.24584444	2.5236500	21	5 5.9	19.9
358686 2007 YR_{55}	16.8	X	145.50575	1.92202	318.11146	4.73462	0.0321412	0.21521301	2.7577636	21	—	—
358687 2007 YD_{61}	16.7	X	341.23166	94.92887	24.88484	9.54008	0.1787900	0.21630304	2.7484909	21	—	—
358688 2007 YY_{61}	16.1	X	206.96093	203.09739	323.56246	12.75204	0.1052571	0.19244119	2.9712374	21	10 13.1	20.8
358689 2007 YH_{66}	16.6	X	240.88754	146.19512	125.32959	4.88818	0.0295044	0.22391204	2.6858665	21	1 12.5	20.4
358690 2008 AM_{5}	16.3	X	4.28343	138.58129	69.46166	13.97425	0.0647571	0.24822506	2.5074886	21	4 2.3	19.5
358691 2008 AS_{7}	16.9	X	351.47656	356.17672	123.15222	4.48300	0.1329608	0.21789573	2.7350812	21	—	—
358692 2008 AN_{17}	16.7	X	90.74540	225.63522	136.76781	6.68432	0.0742960	0.21393133	2.7687673	21	—	—
358693 2008 AQ_{21}	17.0	X	262.63128	254.17346	348.08631	4.15383	0.0588020	0.21988877	2.7185293	21	—	—
358694 2008 AP_{25}	16.9	X	240.42580	153.00324	43.21158	2.77693	0.0154621	0.20734327	2.8271103	21	—	—
358695 2008 AK_{28}	16.1	X	120.24544	152.04582	154.01193	17.90377	0.0923321	0.19960858	2.8996789	21	—	—
358696 2008 AQ_{30}	16.1	X	273.02614	259.61992	320.85737	10.72322	0.1193922	0.22007080	2.7170300	21	—	—
358697 2008 AR_{43}	16.2	X	23.31053	13.22913	132.72963	12.40236	0.1007292	0.22627580	2.6671287	21	1 31.6	19.2
358698 2008 AS_{44}	16.1	X	301.88086	175.63249	310.83716	13.94737	0.0868654	0.20612613	2.8382285	21	—	—
358699 2008 AC_{61}	17.1	X	314.49574	0.29420	139.30725	7.73589	0.0734320	0.21342443	2.7731496	21	—	—
358700 2008 AD_{64}	15.6	X	224.14098	304.00261	80.66688	16.95258	0.1235503	0.17660930	3.1462532	21	5 16.8	20.6
358701 2008 AU_{64}	16.3	X	252.67329	83.77888	149.37204	7.44710	0.2143939	0.21425115	2.7660113	21	—	—
358702 2008 AW_{70}	16.7	X	135.54450	32.29308	293.73078	5.19181	0.0438785	0.21381474	2.7697737	21	—	—
358703 2008 AL_{78}	16.9	X	63.03925	47.76591	342.51070	3.98857	0.1006659	0.21586006	2.7522498	21	—	—
358704 2008 AW_{80}	16.8	X	33.81665	248.92560	194.25423	2.38668	0.1494438	0.21900334	2.7258517	21	—	—
358705 2008 AB_{83}	17.0	X	337.80479	135.88593	323.68545	4.27525	0.1228253	0.21273644	2.7791252	21	—	—
358706 2008 AC_{83}	16.7	X	106.52686	275.51561	92.41555	6.46225	0.0667038	0.22077390	2.7112583	21	—	—
358707 2008 AU_{92}	17.0	X	23.99179	65.58585	7.96182	4.60939	0.1107972	0.21686631	2.7437297	21	—	—
358708 2008 AK_{94}	17.1	X	16.19626	67.89503	335.03430	1.62695	0.1803964	0.21065986	2.7973589	21	—	—
358709 2008 AP_{102}	17.1	X	305.90823	172.30877	322.51702	4.31588	0.1091578	0.20985480	2.8045086	21	—	—
358710 2008 AP_{104}	16.9	X	20.87762	6.11595	124.52589	2.92867	0.1038265	0.22667985	2.6639584	21	1 6.6	19.7
358711 2008 AL_{106}	17.1	X	271.93683	154.40991	343.88643	4.35661	0.0719996	0.20644227	2.8353302	21	12 6.7	20.8
358712 2008 AO_{121}	16.5	X	281.23480	97.42671	117.59740	16.75928	0.1014373	0.21970688	2.7200295	21	—	—
358713 2008 AU_{129}	16.2	X	316.08215	42.22871	90.09893	18.39953	0.0733128	0.21184531	2.7869135	21	—	—
358714 2008 AF_{135}	16.0	X	336.95107	60.49256	30.48231	9.29341	0.1348830	0.21083906	2.7957736	21	—	—
358715 2008 BV_{5}	16.5	X	303.74152	141.02562	314.78072	5.02477	0.0167354	0.20215594	2.8752683	21	11 30.3	20.5
358716 2008 BH_{23}	16.2	X	113.88791	310.68223	338.40081	10.03083	0.0440340	0.19718236	2.9234164	21	12 7.7	20.6
358717 2008 BF_{26}	16.3	X	2.86986	184.59035	331.97680	9.07683	0.0830743	0.22611731	2.6683749	21	1 16.8	19.5
358718 2008 BV_{28}	17.4	X	355.26520	328.56343	124.44217	5.68473	0.0870499	0.21301044	2.7767415	21	—	—
358719 2008 BE_{29}	17.1	X	148.28677	12.37426	298.67239	2.94067	0.0565573	0.21343086	2.7730939	21	—	—
358720 2008 BE_{36}	16.3	X	20.28441	298.26158	154.67230	5.77212	0.0265205	0.21191814	2.7862749	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358721 2008 BE_{45}	16.6	X	33.83908	13.87597	36.81234	8.62660	0.2175678	0.21485218	2.7608504	21	—	—
358722 2008 BK_{46}	16.2	X	279.53917	225.10144	318.58831	9.20032	0.0587088	0.20955360	2.8071953	21	—	—
358723 2008 BX_{47}	16.5	X	230.79753	324.55427	167.15930	9.72135	0.0964539	0.18617245	3.0375663	21	10 4.4	20.9
358724 2008 CD_{1}	15.7	X	313.23315	199.09195	336.43036	16.03370	0.1553205	0.21558737	2.7545702	21	—	—
358725 2008 CJ_{2}	16.2	X	39.51080	79.69693	325.43278	11.18265	0.2236463	0.21610572	2.7501636	21	—	—
358726 2008 CP_{14}	16.5	X	305.45315	36.46899	114.12948	6.13635	0.0972063	0.20935801	2.8089435	21	—	—
358727 2008 CD_{16}	16.5	X	12.90009	61.13969	55.72222	5.75589	0.0616041	0.22015487	2.7163383	21	—	—
358728 2008 CT_{17}	16.5	X	87.25274	118.08391	162.39354	13.44040	0.0515456	0.18940716	3.0028833	21	11 1.2	21.0
358729 2008 CE_{20}	16.4	X	338.61889	73.16256	52.18721	3.74472	0.1712059	0.21331799	2.7740720	21	—	—
358730 2008 CT_{20}	16.4	X	342.49421	113.69485	342.14869	8.28885	0.1255385	0.20989031	2.8041923	21	—	—
358731 2008 CM_{30}	17.1	X	113.05566	247.12597	100.12519	3.56214	0.0573710	0.21316175	2.7754273	21	—	—
358732 2008 CD_{33}	16.1	X	205.52697	133.61232	138.92916	10.36033	0.1412302	0.21131784	2.7915492	21	—	—
358733 2008 CO_{37}	16.8	X	128.17982	22.68419	249.45999	0.93732	0.0653270	0.19621683	2.9329988	21	12 5.2	21.1
358734 2008 CH_{39}	16.4	X	82.86768	279.75631	130.88578	6.60272	0.0456904	0.21927538	2.7235967	21	—	—
358735 2008 CK_{41}	16.2	X	196.23482	126.75290	172.33854	9.23406	0.2097905	0.21251056	2.7810943	21	1 3.8	21.1
358736 2008 CZ_{43}	16.1	X	164.05909	192.53846	14.60379	8.99199	0.0685449	0.18944744	3.0024576	21	10 23.9	20.5
358737 2008 CM_{45}	16.0	X	36.58382	56.35066	7.91898	8.21321	0.3425207	0.21645788	2.7471800	21	—	—
358738 2008 CW_{55}	16.4	X	330.06434	35.14493	358.86990	8.99916	0.1298560	0.19287856	2.9667440	21	10 11.6	19.9
358739 2008 CV_{63}	17.1	X	34.47879	193.15433	210.79813	4.66997	0.1585646	0.21232318	2.7827303	21	—	—
358740 2008 CE_{83}	16.4	X	276.31414	125.61651	136.98854	12.05700	0.1674248	0.22226143	2.6991477	21	1 28.5	20.5
358741 2008 CO_{89}	16.6	X	273.11558	94.65602	139.53676	4.32258	0.1899695	0.21393634	2.7687241	21	—	—
358742 2008 CC_{93}	16.5	X	26.14757	337.14778	115.76781	5.86996	0.0818501	0.21681816	2.7441359	21	—	—
358743 2008 CO_{100}	17.2	X	28.82419	74.28391	350.74528	4.23564	0.0453907	0.21026880	2.8008262	21	—	—
358744 2008 CR_{118}	18.9	X	66.83051	157.04493	121.53797	3.92364	0.5111070	0.39497149	1.8397503	21	12 11.3	22.4
358745 2008 CG_{120}	16.4	X	287.13992	162.03207	63.03225	9.89593	0.0634754	0.22220698	2.6995886	21	1 6.6	20.2
358746 2008 CQ_{124}	16.5	X	176.11817	176.45058	163.55482	5.32164	0.0523434	0.22304420	2.6928289	21	1 22.8	20.4
358747 2008 CG_{126}	16.9	X	74.83150	251.82722	159.46734	6.58197	0.0326670	0.21730369	2.7400468	21	—	—
358748 2008 CG_{130}	16.7	X	188.63720	334.01405	293.07743	2.36863	0.0547693	0.20838234	2.8177045	21	—	—
358749 2008 CB_{131}	16.5	X	214.09492	286.33411	332.18495	2.94548	0.0549674	0.21156489	2.7893755	21	—	—
358750 2008 CR_{140}	16.4	X	303.00055	286.50521	160.07909	13.25518	0.2386584	0.19919174	2.9037229	21	10 29.6	19.6
358751 2008 CL_{141}	16.5	X	140.81267	4.17269	203.78372	3.51838	0.0550082	0.18504610	3.0498801	21	9 30.0	21.0
358752 2008 CF_{151}	16.2	X	99.93741	165.84877	188.55671	7.95044	0.0710561	0.20875097	2.8143864	21	—	—
358753 2008 CP_{152}	16.4	X	240.39408	288.09400	175.81567	9.59371	0.0659558	0.18618422	3.0374383	21	9 12.8	20.9
358754 2008 CP_{168}	16.0	X	1.36727	147.04856	325.33519	10.58074	0.0428782	0.21438533	2.7648570	21	—	—
358755 2008 CJ_{176}	16.1	X	319.82069	54.26666	90.11078	10.20151	0.0992160	0.21422280	2.7662553	21	—	—
358756 2008 CZ_{176}	16.0	X	294.40185	256.84238	268.90575	7.93690	0.1520740	0.21115875	2.7929511	21	—	—
358757 2008 CJ_{183}	16.0	X	206.29203	3.08130	154.35409	7.60410	0.0666082	0.18649436	3.0340699	21	10 12.5	20.6
358758 2008 CA_{187}	15.9	X	161.23093	271.48564	359.68698	8.82138	0.1000949	0.20489342	2.8496009	21	—	—
358759 2008 CO_{189}	15.5	X	147.65103	209.28162	49.04795	11.91681	0.0690506	0.19659191	2.9292670	21	12 7.9	20.0
358760 2008 CQ_{190}	18.0	X	205.19380	256.27865	181.91483	21.50671	0.0971716	0.39089744	1.8525112	21	6 27.9	20.8
358761 2008 CL_{196}	16.0	X	84.24575	295.33937	4.91495	11.43997	0.0144046	0.18885679	3.0087146	21	11 9.7	20.4
358762 2008 CH_{206}	16.9	X	262.84707	324.18118	156.77528	4.02450	0.0643040	0.19605997	2.9345630	21	11 4.2	20.8
358763 2008 CJ_{206}	16.3	X	77.02669	131.48028	154.62682	9.99099	0.0874166	0.18861122	3.0113255	21	10 31.2	20.7
358764 2008 CW_{211}	16.2	X	161.62069	263.78157	349.51304	10.26133	0.1835295	0.19693257	2.9258879	21	12 14.4	21.2
358765 2008 CW_{215}	16.0	X	69.73079	284.20300	2.21526	21.37251	0.1067503	0.18259339	3.0771312	21	10 15.4	20.5
358766 2008 DF_{4}	16.8	X	133.10367	103.50474	177.21628	9.44551	0.0226251	0.19911409	2.9044778	21	12 20.0	21.1
358767 2008 DB_{7}	16.6	X	224.72503	330.49807	280.46413	1.42652	0.1341311	0.21336265	2.7736848	21	—	—
358768 2008 DH_{9}	16.6	X	359.16059	294.23347	163.97225	6.26392	0.0364150	0.21214270	2.7843083	21	—	—
358769 2008 DR_{13}	15.7	X	211.95042	288.00576	159.04548	25.77398	0.2806139	0.18150824	3.0893835	21	7 9.0	21.5
358770 2008 DD_{18}	16.0	X	321.92768	223.77512	148.01569	12.13131	0.1261766	0.18496653	3.0507546	21	8 30.3	19.6
358771 2008 DG_{18}	16.4	X	286.41934	188.05087	347.96503	13.01178	0.1320985	0.20943734	2.8082341	21	—	—
358772 2008 DJ_{28}	17.0	X	213.36035	267.32453	342.14278	3.10489	0.0501207	0.21369792	2.7707830	21	—	—
358773 2008 DG_{34}	16.3	X	198.39235	54.46567	181.21803	9.29400	0.1113501	0.19893464	2.9062241	21	12 31.5	20.9
358774 2008 DK_{38}	16.3	X	199.14498	173.22356	3.74533	11.44488	0.1811733	0.18842544	3.0133045	21	10 16.1	21.2
358775 2008 DJ_{43}	16.5	X	254.73706	87.24375	197.67074	6.66766	0.2174335	0.21908736	2.7251547	21	1 30.7	21.2
358776 2008 DW_{43}	16.6	X	238.59489	83.29512	108.95399	3.10107	0.0912373	0.20231818	2.8737310	21	12 27.8	20.6
358777 2008 DG_{56}	15.4	X	70.65164	134.83804	167.88183	22.52971	0.1627049	0.18683420	3.0303896	21	11 23.0	20.3
358778 2008 DF_{58}	15.6	X	177.06293	104.90561	118.81757	16.98325	0.0430370	0.19236322	2.9720403	21	12 3.2	20.2
358779 2008 DA_{63}	16.6	X	124.61188	269.44722	357.47772	13.09608	0.1797267	0.19048990	2.9914936	21	11 26.6	21.8
358780 2008 DF_{63}	17.0	X	210.16818	225.71675	35.10298	3.78437	0.0471105	0.20952114	2.8074853	21	—	—
358781 2008 DB_{82}	16.0	X	63.26386	285.14875	14.41897	8.13953	0.0689520	0.18439403	3.0570660	21	10 23.6	20.2
358782 2008 DA_{83}	16.7	X	2.53620	300.94339	87.32248	1.91611	0.0289826	0.19294881	2.9660239	21	11 22.1	20.5
358783 2008 DD_{83}	16.0	X	104.58069	79.80653	201.35729	10.14624	0.1154297	0.18543677	3.0455950	21	11 24.5	20.7
358784 2008 DX_{83}	16.0	X	352.45119	316.57264	25.33320	11.18440	0.0803338	0.17691410	3.1426384	21	9 14.2	20.0
358785 2008 DZ_{84}	16.3	X	239.38006	292.34030	154.59120	7.60534	0.2042816	0.18051642	3.1006892	21	8 4.9	21.1
358786 2008 DW_{88}	17.6	X	118.43783	299.81576	179.67575	20.37427	0.0679342	0.38203176	1.8810618	21	5 5.5	19.6
358787 2008 EL_{5}	16.5	X	182.46195	179.76426	77.39573	3.14285	0.0219425	0.20346150	2.8629552	21	—	—
358788 2008 EJ_{10}	16.1	X	247.11205	114.36170	20.67529	9.63364	0.0616117	0.19245058	2.9711408	21	10 29.9	20.3
358789 2008 EQ_{10}	16.0	X	144.82982	168.50638	141.68975	10.29020	0.0711269	0.20472124	2.8511985	21	—	—
358790 2008 EG_{16}	16.1	X	77.43924	87.12710	185.04678	9.51905	0.0436294	0.18070342	3.0985497	21	10 4.8	20.3
358791 2008 EV_{16}	16.6	X	240.00592	315.36645	179.95719	7.39407	0.0776418	0.18856940	3.0117707	21	10 21.8	21.0
358792 2008 EH_{20}	15.6	X	35.78662	112.02306	186.51973	16.50403	0.0650809	0.17780329	3.1321522	21	9 14.8	19.8
358793 2008 EE_{25}	16.7	X	253.34225	213.33111	24.80954	9.03154	0.1850121	0.21085413	2.7956404	21	—	—
358794 2008 EK_{25}	15.7	X	135.20674	280.78381	318.74179	8.08815	0.0755009	0.18837535	3.0138387	21	10 30.6	20.4
358795 2008 EL_{44}	16.2	X	157.73276	259.00789	7.61100	4.77320	0.2732927	0.19114431	2.9846618	21	12 25.0	21.6
358796 2008 EK_{45}	15.8	X	72.57809	299.89643	7.14851	8.91354	0.1330926	0.18476577	3.0529641	21	11 20.2	20.4
358797 2008 EK_{51}	15.8	X	169.87782	243.45713	348.29350	8.91792	0.1209169	0.19095040	2.9866821	21	11 26.0	20.7
358798 2008 EW_{51}	16.8	X	68.35473	311.85808	105.04250	7.02904	0.0206530	0.21320895	2.7750177	21	—	—
358799 2008 EZ_{54}	16.3	X	185.18295	32.17283	158.96762	4.80315	0.1012963	0.18640232	3.0350685	21	10 27.9	21.0
358800 2008 EX_{56}	16.6	X	209.79422	50.25030	114.69813	6.57112	0.1898473	0.19090639	2.9871411	21	10 16.3	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358801 2008 EV_{58}	16.5	X	103.41327	138.78000	144.45546	2.74557	0.0647043	0.19495039	2.9456874	21	11 22.3	20.7
358802 2008 EA_{62}	16.1	X	44.77181	145.00587	204.43555	8.75944	0.1212753	0.19554882	2.9396745	21	12 11.7	20.2
358803 2008 EO_{72}	16.2	X	198.06136	335.35414	139.09896	10.56139	0.0472069	0.17814961	3.1280916	21	8 9.2	20.8
358804 2008 EB_{77}	16.5	X	114.94805	89.23807	153.32419	4.92648	0.2550924	0.17966183	3.1105141	21	10 29.7	21.8
358805 2008 EA_{79}	16.2	X	303.16797	301.53519	173.26979	10.44762	0.0622927	0.20023697	2.8936091	21	12 20.9	20.2
358806 2008 EL_{79}	16.3	X	193.71865	308.63083	191.08921	9.69188	0.2010961	0.18355125	3.0664166	21	8 27.3	21.5
358807 2008 ED_{80}	16.1	X	179.13773	90.50577	112.67532	4.61997	0.0932915	0.18984662	2.9982475	21	11 6.1	20.7
358808 2008 EZ_{80}	16.4	X	131.68308	265.99552	25.57023	5.98141	0.0425444	0.19898251	2.9057580	21	—	—
358809 2008 EF_{83}	15.5	X	132.09795	47.89299	214.65565	9.45485	0.0213607	0.19291211	2.9664001	21	11 26.2	19.7
358810 2008 EU_{90}	15.4	X	122.83135	136.61729	106.67782	20.25253	0.1508498	0.18371958	3.0645432	21	11 7.3	20.7
358811 2008 EZ_{110}	16.2	X	55.69363	318.68359	59.72311	6.97997	0.0829205	0.20224921	2.8743843	21	—	—
358812 2008 EP_{112}	16.2	X	166.38997	250.25859	346.32345	9.62492	0.0622003	0.19258353	2.9697732	21	11 30.5	20.9
358813 2008 EJ_{116}	16.8	X	128.65049	125.07909	152.63467	2.68807	0.0410555	0.19207760	2.9749858	21	12 10.9	21.2
358814 2008 EO_{118}	16.6	X	169.64851	0.46027	324.28797	5.75680	0.0727614	0.21735037	2.7396544	21	1 1.3	20.6
358815 2008 ER_{121}	16.2	X	258.62150	80.59532	358.23037	15.99220	0.1007344	0.18138777	3.0907512	21	9 2.5	20.7
358816 2008 EU_{122}	16.0	X	303.45974	119.07731	336.57411	8.98191	0.0420327	0.19226079	2.9730957	21	11 24.6	20.1
358817 2008 ES_{123}	16.8	X	248.58346	65.75759	128.80016	4.92860	0.0227933	0.20829280	2.8185119	21	—	—
358818 2008 ES_{124}	16.7	X	85.88554	85.73989	268.03072	4.44910	0.0758278	0.20713835	2.8289746	21	—	—
358819 2008 EV_{125}	16.7	X	114.70492	276.09532	2.23589	9.71329	0.1847586	0.18615982	3.0377038	21	12 2.5	21.8
358820 2008 EZ_{142}	16.1	X	222.71513	73.05399	138.08721	11.43132	0.1795646	0.19703688	2.9248552	21	12 21.2	20.7
358821 2008 EC_{143}	16.1	X	225.19707	122.66298	319.23018	11.07717	0.1741984	0.17940516	3.1134801	21	7 21.2	21.1
358822 2008 EV_{148}	15.7	X	133.83117	292.25538	347.00438	10.96035	0.0842983	0.19277136	2.9678438	21	12 19.5	20.4
358823 2008 EZ_{150}	16.4	X	204.13244	347.21073	171.84701	6.13721	0.0696140	0.18352316	3.0667295	21	10 10.4	21.0
358824 2008 EQ_{152}	16.0	X	241.00211	271.61098	163.49793	11.23526	0.0555645	0.17376420	3.1805032	21	8 7.8	20.6
358825 2008 EM_{153}	16.9	X	182.45552	86.38630	145.80421	3.14140	0.1698957	0.19252506	2.9703744	21	12 8.4	21.8
358826 2008 EV_{153}	16.5	X	266.41931	309.07896	189.87347	11.10265	0.0280801	0.19204915	2.9752796	21	12 4.9	20.7
358827 2008 EH_{156}	15.7	X	123.51663	327.98132	330.60577	9.98213	0.0920704	0.19653525	2.9298299	21	—	—
358828 2008 EY_{158}	16.6	X	116.36987	278.20644	24.92758	12.51072	0.1155027	0.19256898	2.9699228	21	—	—
358829 2008 EW_{164}	16.5	X	73.37921	165.14514	148.17433	3.61134	0.0861605	0.18880082	3.0093091	21	11 26.5	20.8
358830 2008 EZ_{164}	16.6	X	57.58163	219.53717	157.32958	2.29881	0.0803945	0.20058496	2.8902615	21	—	—
358831 2008 EE_{165}	16.2	X	48.56939	284.85513	32.55609	0.38444	0.0817492	0.18542262	3.0457499	21	10 30.3	20.4
358832 2008 EN_{165}	16.1	X	170.99375	206.50016	11.46506	8.94958	0.0885282	0.18806532	3.0171500	21	11 11.4	20.9
358833 2008 ED_{168}	15.4	X	32.16979	331.83993	12.22692	10.18365	0.0932658	0.18423802	3.0587915	21	11 9.3	19.6
358834 2008 FC_{3}	16.1	X	13.70469	39.28467	344.07598	6.73707	0.0599965	0.19546348	2.9405302	21	12 2.8	20.0
358835 2008 FL_{10}	16.7	X	198.09895	199.33849	297.71779	2.24141	0.0551994	0.18345281	3.0675134	21	9 5.7	21.2
358836 2008 FW_{18}	16.7	X	148.95823	203.05069	3.09749	4.66652	0.0720027	0.18491775	3.0512911	21	10 7.3	21.3
358837 2008 FA_{26}	15.4	X	153.81559	225.39461	26.63983	15.00135	0.1680380	0.18707821	3.0277540	21	12 3.3	20.6
358838 2008 FC_{27}	15.4	X	123.41489	49.68937	215.19959	12.10588	0.1776004	0.18211881	3.0824747	21	11 26.0	20.5
358839 2008 FP_{28}	16.3	X	6.98497	63.98943	342.82725	10.10409	0.0190442	0.20045864	2.8914756	21	12 21.4	20.5
358840 2008 FF_{31}	16.9	X	39.58317	245.70105	182.52381	3.63619	0.0825507	0.21219708	2.7838326	21	—	—
358841 2008 FD_{53}	16.2	X	88.06950	95.92881	194.78092	9.75949	0.2735590	0.17929409	3.1147658	21	12 2.9	21.4
358842 2008 FD_{54}	16.5	X	108.16253	151.49216	128.26534	2.46440	0.1106482	0.18463206	3.0544380	21	11 25.4	21.1
358843 2008 FN_{56}	16.2	X	314.83219	93.97861	38.53211	6.64110	0.0317391	0.20172750	2.8793380	21	—	—
358844 2008 FY_{57}	15.8	X	112.05535	56.60321	202.07736	16.31811	0.1937223	0.17863048	3.1224753	21	11 10.5	21.0
358845 2008 FV_{61}	16.9	X	165.25125	230.60062	33.50555	2.05063	0.0737928	0.19657372	2.9294476	21	—	—
358846 2008 FL_{62}	16.9	X	164.49992	38.43393	242.86233	1.13866	0.0311448	0.20406629	2.8572958	21	—	—
358847 2008 FS_{62}	17.0	X	185.47749	76.70052	115.95628	3.65477	0.0849603	0.19087768	2.9874406	21	10 31.3	21.6
358848 2008 FW_{63}	15.7	X	161.44037	228.69844	22.71244	19.21896	0.3283403	0.18817767	3.0159489	21	12 5.7	21.6
358849 2008 FG_{64}	17.9	X	105.86714	289.55708	187.31526	21.19172	0.0880196	0.37911336	1.8907030	21	4 11.8	19.3
358850 2008 FM_{65}	16.0	X	278.79947	239.19066	178.31458	9.84574	0.1089251	0.17917760	3.1161157	21	8 25.2	20.2
358851 2008 FR_{73}	16.2	X	53.65775	164.83402	159.31885	9.85101	0.0936451	0.18336141	3.0685327	21	11 18.0	20.6
358852 2008 FX_{75}	16.3	X	326.18101	44.37733	116.13138	4.70467	0.1640908	0.21359848	2.7716430	21	—	—
358853 2008 FC_{77}	16.7	X	282.56489	60.86269	40.47447	0.60118	0.0497322	0.19030934	2.9933855	21	11 5.0	20.6
358854 2008 FZ_{77}	15.8	X	44.87300	323.67991	4.48982	12.00977	0.0664118	0.18526774	3.0474472	21	11 1.9	20.2
358855 2008 FS_{81}	16.8	X	232.84338	141.93403	19.30650	11.07319	0.0899014	0.19234350	2.9722434	21	11 9.2	21.2
358856 2008 FR_{85}	16.3	X	175.47172	34.33102	174.12290	12.15507	0.0188763	0.19051161	2.9912663	21	11 12.7	20.7
358857 2008 FT_{87}	16.0	X	106.27538	264.81558	17.79779	9.11437	0.1321230	0.18580467	3.0415734	21	11 26.3	20.8
358858 2008 FZ_{88}	16.7	X	253.55868	270.82436	179.38011	9.98765	0.2445229	0.18488239	3.0516802	21	8 17.6	21.5
358859 2008 FN_{100}	16.4	X	142.67489	27.58154	174.03469	11.82580	0.0434748	0.17726977	3.1384335	21	9 24.1	20.9
358860 2008 FY_{101}	16.2	X	192.04435	44.16236	149.26711	6.86274	0.1525615	0.18643286	3.0347372	21	11 4.1	21.1
358861 2008 FC_{102}	15.9	X	105.68433	104.37558	189.52719	15.67107	0.0560539	0.18583385	3.0412549	21	12 5.6	20.6
358862 2008 FN_{103}	16.1	X	85.65610	201.62795	102.58049	6.28728	0.1624876	0.18123412	3.0924979	21	12 6.1	20.8
358863 2008 FY_{103}	16.2	X	173.09417	34.15889	177.84217	10.83571	0.0392739	0.18421703	3.0590238	21	11 12.1	20.8
358864 2008 FS_{105}	16.5	X	71.25208	178.69761	117.12097	4.34073	0.0814888	0.18179559	3.0861271	21	11 2.1	20.9
358865 2008 FF_{107}	16.2	X	277.83973	308.58793	187.92564	13.77074	0.0227003	0.19363964	2.9589653	21	12 16.4	20.5
358866 2008 FG_{107}	16.2	X	36.41961	149.06276	185.05342	10.97002	0.0241999	0.18366409	3.0651604	21	10 29.2	20.5
358867 2008 FY_{109}	16.3	X	80.07800	140.86683	168.14322	9.88453	0.1189760	0.18696749	3.0289491	21	12 3.2	20.9
358868 2008 FE_{111}	15.5	X	60.44951	275.44988	22.93711	10.25085	0.0790928	0.17706171	3.1408916	21	10 19.9	19.9
358869 2008 FQ_{116}	15.9	X	9.50698	305.02196	33.56398	9.61175	0.0919435	0.17554834	3.1589171	21	10 4.5	19.9
358870 2008 FE_{119}	15.9	X	59.94398	249.11927	35.95486	10.63905	0.0783394	0.17860122	3.1228162	21	10 6.2	20.2
358871 2008 FG_{123}	16.1	X	37.79315	311.92492	41.88699	9.18467	0.0851039	0.18474771	3.0531631	21	11 29.4	20.3
358872 2008 FJ_{123}	16.4	X	178.24783	9.57807	181.74429	5.04873	0.0704465	0.18156159	3.0887783	21	10 21.1	21.1
358873 2008 FR_{123}	16.3	X	17.53068	138.14864	188.06399	9.67784	0.0542525	0.17394732	3.1782707	21	9 24.0	20.4
358874 2008 FM_{125}	16.0	X	166.74418	8.78201	182.78864	11.01218	0.0031944	0.18051403	3.1007166	21	10 9.9	20.4
358875 2008 FR_{126}	16.0	X	132.07936	22.67439	189.95474	10.60074	0.0658348	0.17598458	3.1536946	21	9 25.9	20.6
358876 2008 FU_{126}	16.4	X	185.89870	65.30182	160.59465	6.68834	0.1642405	0.18923707	3.0046824	21	12 4.7	21.3
358877 2008 FB_{127}	16.2	X	131.93749	14.59508	226.47251	7.30394	0.1061490	0.18003136	3.1062562	21	11 1.7	21.1
358878 2008 FW_{127}	16.7	X	109.37710	284.44237	40.59689	10.65213	0.0492144	0.19655275	2.9296561	21	—	—
358879 2008 FW_{133}	16.6	X	207.29253	84.98248	39.67289	5.94572	0.0847735	0.17808283	3.1288736	21	9 1.7	21.4
358880 2008 FK_{137}	16.1	X	137.80265	117.03582	147.82412	6.85294	0.1913622	0.18496409	3.0507814	21	12 8.7	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358881 2008 GK_4	15.5	X	150.96071	154.21235	74.32430	17.85744	0.2795922	0.18157295	3.0886494	21	11 11.4	21.2
358882 2008 GL_{11}	15.2	X	144.77014	250.27774	41.27953	18.72949	0.3624808	0.18601499	3.0392803	21	—	—
358883 2008 GO_{17}	16.4	X	86.85715	204.02317	156.02310	2.22416	0.0777190	0.20376779	2.8600856	21	—	—
358884 2008 GJ_{19}	16.1	X	170.81663	86.88107	97.54368	8.88987	0.1076278	0.18154052	3.0890173	21	10 8.1	21.0
358885 2008 GK_{21}	15.8	X	14.69560	310.94518	26.21259	10.21485	0.0342536	0.17891201	3.1191988	21	10 5.2	19.9
358886 2008 GX_{25}	16.2	X	235.35562	96.72716	43.75759	9.38977	0.0852858	0.18790408	3.0188758	21	10 21.8	20.6
358887 2008 GB_{28}	16.1	X	34.64944	170.57198	176.43429	10.73065	0.0724190	0.18562954	3.0434861	21	11 18.7	20.3
358888 2008 GE_{33}	15.9	X	356.99882	154.35776	190.52570	10.09493	0.1085259	0.17791174	3.1308792	21	9 20.7	19.8
358889 2008 GL_{36}	15.7	X	213.80223	27.08245	77.59043	7.60273	0.1119906	0.17241655	3.1970548	21	8 12.3	20.7
358890 2008 GL_{37}	16.0	X	357.37766	154.03520	205.36528	13.33797	0.0583067	0.17604991	3.1529143	21	10 7.9	20.1
358891 2008 GT_{38}	16.1	X	110.90224	195.98599	86.90519	6.28072	0.1100039	0.18168447	3.0873854	21	12 1.2	20.9
358892 2008 GA_{41}	15.4	X	117.62202	201.08171	42.95064	18.06960	0.1586822	0.17890011	3.1193371	21	10 27.8	20.4
358893 2008 GL_{41}	16.5	X	184.98483	31.10938	140.39565	6.19110	0.0901451	0.18098091	3.0953816	21	10 4.8	21.2
358894 Demetrescu	16.0	X	168.97645	186.94830	26.33209	10.25319	0.0463544	0.18404331	3.0609485	21	11 5.2	20.5
358895 2008 GN_{46}	16.3	X	167.33684	63.23479	168.40783	9.00582	0.0626740	0.18570384	3.0426742	21	11 28.2	21.0
358896 2008 GD_{47}	15.6	X	124.78027	210.08159	64.66590	18.31195	0.2570089	0.18117045	3.0932223	21	12 9.4	21.1
358897 2008 GA_{50}	15.6	X	39.00942	121.81577	200.99250	10.26281	0.1172451	0.17713633	3.1400094	21	10 28.9	19.7
358898 2008 GC_{50}	16.1	X	163.80815	99.27544	198.01632	9.54689	0.1073173	0.19765130	2.9187906	21	—	—
358899 2008 GM_{52}	16.6	X	123.57751	111.39419	189.27739	7.25677	0.0456218	0.19513705	2.9438085	21	—	—
358900 2008 GY_{56}	16.5	X	157.83390	91.60033	178.73994	5.17894	0.1386165	0.19311786	2.9642928	21	12 31.3	21.4
358901 2008 GZ_{62}	16.4	X	195.83836	319.13751	220.52503	4.53761	0.1637318	0.18741022	3.0241770	21	10 19.1	21.3
358902 2008 GR_{80}	16.5	X	239.75375	318.22358	156.74249	10.72432	0.0812851	0.18317670	3.0705952	21	9 25.9	20.9
358903 2008 GG_{88}	15.9	X	66.97763	280.53700	40.12209	9.20891	0.0806558	0.18547955	3.0451266	21	11 24.6	20.2
358904 2008 GJ_{89}	16.6	X	145.32111	24.21954	179.52736	3.57574	0.1428884	0.17946795	3.1127539	21	10 3.2	21.4
358905 2008 GW_{93}	16.8	X	220.72800	100.85220	121.96460	2.49936	0.0705395	0.20332998	2.8641897	21	—	—
358906 2008 GQ_{94}	16.0	X	43.29650	309.41750	22.45151	12.94863	0.1480497	0.18360016	3.0658719	21	11 16.4	20.2
358907 2008 GH_{96}	16.7	X	167.45328	84.25151	133.77845	5.99451	0.1114067	0.18588079	3.0407429	21	11 11.5	21.6
358908 2008 GG_{100}	16.5	X	90.44222	169.67956	104.45852	2.41323	0.1486489	0.17797767	3.1301060	21	11 4.1	21.2
358909 2008 GT_{100}	16.6	X	167.40835	182.89392	40.18673	12.34743	0.0878907	0.18560614	3.0437419	21	11 14.7	21.2
358910 2008 GD_{103}	15.9	X	332.63976	176.33668	185.53925	7.89464	0.0494910	0.17113375	3.2130115	21	9 4.9	20.1
358911 2008 GZ_{114}	16.6	X	190.37964	126.64486	105.62511	6.04971	0.0757106	0.19270721	2.9685025	21	12 21.9	21.1
358912 2008 GR_{122}	16.0	X	57.08865	284.38717	41.86456	12.02842	0.0569155	0.18419283	3.0592918	21	11 16.0	20.2
358913 2008 GB_{128}	16.2	X	265.17268	128.65901	14.57127	13.99957	0.1235275	0.19631427	2.9320281	21	11 21.2	20.4
358914 2008 GT_{128}	15.4	X	177.24077	58.07228	127.67688	28.19091	0.1552889	0.18142563	3.0903212	21	10 20.3	20.9
358915 2008 GT_{129}	16.2	X	200.27616	359.14220	148.43577	6.75154	0.0836052	0.18287670	3.0739524	21	9 21.5	20.9
358916 2008 GX_{130}	16.3	X	169.64454	20.53096	187.72924	16.38745	0.0902721	0.18429295	3.0581837	21	11 2.4	21.1
358917 2008 GH_{131}	15.7	X	107.11945	261.29993	49.65133	12.30893	0.2406382	0.18564474	3.0433200	21	—	—
358918 2008 GQ_{139}	16.4	X	82.37874	50.30877	183.53698	1.14288	0.1221854	0.16976679	3.2302358	21	9 2.5	21.1
358919 2008 HK_1	15.8	X	32.48417	208.81196	119.86183	10.62497	0.0891204	0.17499783	3.1655386	21	10 27.2	20.2
358920 2008 HD_8	16.0	X	67.43694	211.77176	113.58283	10.45117	0.0876523	0.18391805	3.0623382	21	12 4.3	20.4
358921 2008 HU_9	15.9	X	33.40701	317.41477	23.93326	9.90815	0.0956240	0.18334749	3.0686880	21	11 8.7	20.0
358922 2008 HT_{10}	16.1	X	153.38510	125.28904	41.35710	9.82330	0.1111434	0.17149902	3.2084477	21	8 30.4	21.2
358923 2008 HA_{12}	15.6	X	94.70272	231.91766	27.76438	5.25055	0.1461022	0.17712483	3.1401453	21	10 21.1	20.4
358924 2008 HR_{15}	15.8	X	130.75572	345.09418	202.45739	17.12919	0.0950119	0.16886780	3.2416901	21	8 22.6	21.0
358925 2008 HJ_{16}	16.3	X	231.55712	346.19887	149.59275	9.17289	0.0775006	0.18115674	3.0933785	21	10 13.3	20.9
358926 2008 HV_{17}	16.2	X	121.57800	88.74972	153.33561	10.13971	0.0912285	0.17875318	3.1210463	21	10 25.9	21.0
358927 2008 HR_{25}	17.0	X	201.51168	93.39909	46.52632	1.73725	0.1045496	0.17854133	3.1235146	21	9 11.1	21.8
358928 2008 HV_{33}	15.4	X	124.97715	15.56289	230.78323	16.73946	0.1538042	0.17917878	3.1161020	21	11 3.4	20.4
358929 2008 HX_{34}	15.9	X	51.58602	139.18153	178.95264	16.52330	0.1358863	0.17294976	3.1904803	21	11 12.6	20.5
358930 2008 HW_{36}	15.7	X	151.82851	165.73849	77.98551	13.59592	0.1553359	0.18325291	3.0697438	21	11 25.9	20.7
358931 2008 HM_{43}	16.2	X	205.29922	282.44203	202.41657	7.05223	0.1180646	0.17577670	3.1561806	21	8 23.5	21.3
358932 2008 HL_{46}	16.0	X	101.53641	182.08518	81.72134	6.60370	0.1995893	0.17564632	3.1577423	21	11 7.9	21.1
358933 2008 HD_{50}	16.5	X	123.64756	130.91697	99.16781	2.71312	0.1301126	0.17612509	3.1520170	21	10 14.3	21.4
358934 2008 HJ_{53}	16.2	X	56.12853	159.16757	146.65142	10.14038	0.0895228	0.17519230	3.1631955	21	10 28.9	20.7
358935 2008 HO_{53}	15.9	X	59.75523	173.37571	146.14108	10.37889	0.0831115	0.17864082	3.1223548	21	11 18.1	20.4
358936 2008 HB_{56}	15.8	X	210.94579	34.08580	93.12281	18.31943	0.1790371	0.17478529	3.1681043	21	9 6.0	21.2
358937 2008 HT_{60}	15.7	X	42.81381	132.46535	166.03673	10.18544	0.1982565	0.17439762	3.1727975	21	10 16.8	19.8
358938 2008 HL_{61}	16.4	X	146.88361	174.76962	40.40112	2.31429	0.1485820	0.17871440	3.1214976	21	10 18.1	21.4
358939 2008 HS_{62}	14.9	X	93.97030	162.44132	97.87424	29.39961	0.1642135	0.17553533	3.1590732	21	11 6.1	20.3
358940 2008 JS_3	15.9	X	148.89609	135.96062	94.27480	11.59243	0.1339977	0.18233591	3.0800273	21	11 9.9	21.0
358941 2008 JH_6	15.7	X	134.72906	80.20953	167.88262	13.30263	0.1232348	0.18255982	3.0775084	21	11 16.7	20.8
358942 2008 JM_6	15.9	X	178.22879	89.19199	134.79533	10.88393	0.0614531	0.18766974	3.0213883	21	12 1.6	20.6
358943 2008 JS_9	16.6	X	220.48613	330.72935	212.31518	6.94786	0.1165849	0.18841707	3.0133937	21	11 21.2	21.2
358944 2008 JR_{22}	16.1	X	61.78843	120.34571	160.80549	9.53520	0.0758704	0.17229115	3.1986060	21	10 1.6	20.6
358945 2008 JN_{25}	15.6	X	134.57707	57.60885	182.28617	12.21089	0.1212649	0.17898707	3.1183266	21	11 5.7	20.6
358946 2008 JY_{26}	15.8	X	184.97131	220.84451	54.97275	14.67678	0.1584636	0.19546615	2.9405034	21	—	—
358947 2008 JS_{27}	16.8	X	112.68951	79.95011	166.72340	5.56717	0.1096557	0.17664092	3.1458777	21	10 21.9	21.7
358948 2008 JA_{29}	16.2	X	175.49479	2.18367	182.22766	13.94322	0.2407889	0.18291891	3.0734795	21	10 6.4	21.5
358949 2008 JD_{29}	15.8	X	141.42249	12.86744	205.64411	17.99373	0.1443140	0.17868706	3.1218160	21	10 16.6	20.8
358950 2008 JD_{31}	16.1	X	215.04802	7.09826	202.58464	9.55171	0.0846316	0.19229076	2.9727868	21	12 20.3	20.6
358951 2008 KJ_3	16.2	X	39.27219	190.73852	101.64953	6.01801	0.0839988	0.16826897	3.2493764	21	9 17.6	20.5
358952 2008 KR_7	15.9	X	105.80740	36.06913	228.59591	9.83344	0.0883947	0.17904401	3.1176656	21	11 1.5	20.7
358953 2008 KE_8	16.1	X	86.73113	168.91811	103.77736	3.80703	0.1861756	0.17357462	3.1828187	21	11 2.7	20.9
358954 2008 KE_9	16.0	X	74.49908	179.94290	90.22845	4.03505	0.0982543	0.17181106	3.2045617	21	10 7.0	20.5
358955 2008 KS_{26}	16.3	X	171.92547	18.05211	173.81198	11.04794	0.0186613	0.17563767	3.1578459	21	10 16.7	20.8
358956 2008 KJ_{28}	15.8	X	44.55644	265.84398	48.49166	11.72002	0.0655846	0.17768184	3.1335792	21	10 20.7	20.1
358957 2008 KL_{36}	16.4	X	90.17940	86.10833	166.84021	10.23205	0.0957023	0.17169972	3.2059469	21	10 3.4	21.0
358958 2008 KP_{36}	16.1	X	171.90682	102.74727	90.58906	26.29327	0.2744197	0.18090988	3.0961919	21	10 25.9	22.1
358959 2008 KF_{42}	15.8	X	134.84513	82.05040	137.47338	10.35615	0.0489743	0.17460231	3.1703173	21	10 10.5	20.6
358960 2008 LS_1	16.0	X	149.18806	47.04238	157.56591	17.05282	0.1575934	0.17531958	3.1616644	21	10 10.9	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
358961 2008 LQ_{14}	15.8	X	78.71249	123.21410	177.47375	10.47643	0.0822720	0.17715104	3.1398356	21	11 16.4	20.4
358962 2008 LA_{16}	16.2	X	123.75170	86.40803	175.29228	8.90890	0.0541570	0.18273844	3.0755027	21	11 17.3	20.8
358963 2008 NA_{1}	14.9	X	88.62712	213.72921	114.95795	23.58768	0.1011408	0.17564957	3.1577033	21	12 30.8	19.8
358964 2008 QD_{14}	18.5	X	273.17444	224.09802	175.24186	2.18751	0.2072139	0.29695694	2.2250532	21	7 13.7	21.3
358965 2008 RU_{9}	18.0	X	172.04753	207.94934	312.52123	3.39460	0.0922566	0.29951971	2.2123429	21	9 13.3	20.9
358966 2008 RY_{16}	14.1	X	350.50631	119.78910	290.45206	3.62157	0.0630819	0.08350305	5.1840337	21	11 13.6	20.6
358967 2008 RE_{26}	18.0	X	351.93302	142.19652	213.62186	3.68290	0.1775300	0.30496802	2.1859145	21	10 27.6	19.3
358968 2008 RM_{94}	14.1	X	13.04731	211.06599	184.21611	4.92801	0.0947619	0.08349038	5.1845584	21	11 28.8	20.6
358969 2008 RA_{98}	17.8	X	218.45616	177.63982	224.52868	1.86960	0.2060302	0.27865853	2.3214241	21	5 20.9	21.5
358970 2008 RD_{101}	18.0	X	13.55608	164.39872	190.36848	5.50516	0.1248490	0.30583051	2.1818029	21	11 29.6	20.2
358971 2008 RQ_{112}	13.9	X	21.78776	148.22302	224.88514	9.26130	0.1366437	0.08261341	5.2211840	21	11 18.8	20.3
358972 2008 RY_{126}	14.5	X	23.39330	349.72604	199.85088	9.24213	0.1275187	0.12583903	3.9438993	21	4 17.6	19.3
358973 2008 RS_{146}	17.5	X	182.32740	215.74745	209.93955	4.86335	0.1848058	0.27563338	2.3383787	21	5 19.9	21.2
358974 2008 SN_{7}	18.1	X	23.35182	231.45195	129.23570	2.52991	0.2136701	0.31222897	2.1518926	21	—	—
358975 2008 SY_{16}	14.0	X	199.48175	296.49133	260.57366	3.88939	0.0327516	0.08226413	5.2359525	21	11 6.9	21.1
358976 2008 SZ_{38}	13.5	X	347.37328	228.76899	188.93481	13.31404	0.0514072	0.08150613	5.2683651	21	11 20.1	20.3
358977 2008 SA_{77}	14.2	X	353.49350	207.44930	196.90617	7.59623	0.1252966	0.08200350	5.2470409	21	11 13.2	20.5
358978 2008 SO_{83}	18.0	X	309.81843	210.49987	159.81795	1.38401	0.1697103	0.29789481	2.2203806	21	8 7.9	19.7
358979 2008 SK_{88}	17.5	X	334.50710	12.82062	13.89908	7.85476	0.1416811	0.30524138	2.1846093	21	11 3.2	19.0
358980 2008 SX_{109}	17.7	X	218.73353	181.98776	115.26647	2.08417	0.1762692	0.26614772	2.3936146	21	1 12.2	21.6
358981 2008 SK_{113}	13.8	X	57.51977	238.52336	83.17066	3.55807	0.0615816	0.08283565	5.2118414	21	10 30.1	20.6
358982 2008 SO_{118}	18.0	X	320.20715	17.78151	15.37353	6.18314	0.1752009	0.30228511	2.1988295	21	10 12.3	19.4
358983 2008 SZ_{124}	18.2	X	67.27938	330.67987	357.82993	2.30077	0.0415006	0.31269222	2.1497667	21	12 26.1	20.6
358984 2008 SK_{127}	18.4	X	223.78649	59.99929	18.43824	3.44528	0.1998267	0.28790713	2.2714391	21	7 13.8	21.9
358985 2008 SB_{140}	17.5	X	206.08327	274.90762	200.29367	4.37583	0.1267074	0.29413850	2.2392442	21	8 17.9	20.7
358986 2008 SM_{155}	17.6	X	298.85954	17.59523	38.23354	6.54996	0.1520649	0.30256574	2.1974696	21	10 6.6	19.2
358987 2008 SW_{165}	17.7	X	249.77225	59.15034	15.63587	7.52306	0.1249690	0.29590574	2.2303197	21	8 19.7	20.5
358988 2008 SC_{216}	14.3	X	295.59298	283.26090	174.81159	3.89782	0.0310532	0.08197297	5.2483438	21	11 4.1	21.1
358989 2008 SG_{229}	13.7	X	316.84752	92.24883	354.02109	21.34409	0.0886432	0.08209529	5.2431292	21	11 1.5	20.6
358990 2008 SF_{255}	17.6	X	301.80762	221.35934	137.88927	5.28222	0.1566644	0.29314411	2.2443053	21	7 6.9	19.7
358991 2008 SS_{255}	17.9	X	250.51818	350.51804	67.89953	5.66309	0.1327216	0.29145339	2.2529764	21	7 24.4	20.9
358992 2008 SG_{275}	14.1	X	324.61730	150.40045	288.13890	6.71020	0.0382050	0.08338343	5.1889906	21	11 13.3	20.8
358993 2008 SQ_{275}	14.2	X	7.38615	70.16779	332.53290	7.05104	0.0139897	0.08312598	5.1996987	21	11 23.3	21.1
358994 2008 SN_{279}	14.1	X	349.59530	75.60338	358.92476	4.45095	0.0253491	0.08352900	5.1829599	21	12 9.1	20.9
358995 2008 SW_{287}	18.4	X	129.29105	16.68716	252.64964	2.94497	0.1198722	0.31507472	2.1389158	21	12 23.9	21.2
358996 2008 SN_{289}	18.5	X	162.98393	114.44172	351.11125	2.78010	0.1748565	0.28055523	2.3109496	21	6 22.3	22.1
358997 2008 TQ_{3}	16.3	X	334.01758	2.28800	8.77547	29.67603	0.2020843	0.30210321	2.1997120	21	10 5.7	17.3
358998 2008 TH_{89}	18.2	X	267.38104	61.08724	23.26419	2.85179	0.1012484	0.29982804	2.2108259	21	9 30.4	20.5
358999 2008 TC_{94}	18.1	X	263.72675	43.30540	33.91819	6.30163	0.0740789	0.29996790	2.2101387	21	9 20.9	20.6
359000 2008 TP_{108}	13.8	X	1.77633	256.63472	153.73028	7.20166	0.0582689	0.08396334	5.1650706	21	11 29.9	20.5
359001 2008 TP_{150}	13.5	X	339.28956	242.74725	176.80011	9.73419	0.0354457	0.08209137	5.2432961	21	11 13.1	20.3
359002 2008 TD_{190}	16.4	X	138.30369	40.40946	30.46862	12.31773	0.1819138	0.25659156	2.4526814	21	4 15.7	20.1
359003 2008 UY_{4}	16.6	X	134.11621	251.77013	215.53774	23.06141	0.3485051	0.26805998	2.3822174	21	6 8.8	21.1
359004 2008 UP_{23}	14.0	X	355.10864	4.77176	28.53084	11.49717	0.0161149	0.08007156	5.3311045	21	10 30.7	21.0
359005 2008 UE_{36}	17.9	X	210.87843	102.14560	27.98699	6.43164	0.0873468	0.29778483	2.2209273	21	9 21.4	20.8
359006 2008 UR_{84}	17.6	X	235.22470	180.49378	240.39044	4.71446	0.1602643	0.28747312	2.2737247	21	7 4.2	21.0
359007 2008 UJ_{122}	17.7	X	315.93867	109.43268	315.30283	4.65429	0.0437912	0.30493664	2.1860645	21	11 26.2	20.0
359008 2008 UG_{179}	17.7	X	168.19314	261.66045	306.74580	3.07639	0.0897777	0.30203005	2.2000672	21	11 13.7	20.6
359009 2008 UO_{184}	18.2	X	158.77639	184.64247	242.36568	3.70250	0.1874546	0.26984170	2.3717196	21	4 29.1	21.8
359010 2008 UV_{203}	17.8	X	340.51086	5.38698	11.04145	4.52937	0.1565258	0.30307506	2.1950070	21	10 31.9	19.4
359011 2008 UY_{205}	14.1	X	337.56457	202.06678	234.85028	5.26648	0.0839627	0.08373064	5.1746358	21	11 27.2	20.5
359012 2008 UD_{215}	18.0	X	256.74399	79.68614	343.69171	5.27064	0.1512689	0.29234840	2.2483758	21	8 6.1	20.7
359013 2008 UV_{251}	18.1	X	205.06026	177.47696	232.80114	2.39805	0.2222743	0.27863250	2.3215687	21	5 19.2	21.9
359014 2008 UG_{256}	17.7	X	213.64072	310.37700	208.41525	4.73412	0.0723155	0.30205775	2.1999327	21	11 4.8	20.2
359015 2008 UM_{274}	17.9	X	242.27850	15.63242	42.92560	3.82950	0.1130177	0.28754056	2.2733692	21	7 16.2	20.8
359016 2008 UD_{288}	17.7	X	207.77445	79.65159	64.29105	5.99906	0.1062467	0.29794028	2.2201547	21	10 5.6	20.6
359017 2008 UA_{296}	17.6	X	180.91074	58.14513	33.63447	6.80086	0.1402983	0.28023895	2.3126880	21	6 20.6	21.2
359018 2008 UC_{299}	17.8	X	332.19858	73.58569	264.26010	5.33202	0.2370347	0.29484952	2.2356429	21	7 23.7	19.1
359019 2008 UN_{314}	17.8	X	211.45746	225.95525	342.49943	3.51438	0.0624482	0.31318329	2.1475189	21	—	—
359020 2008 UP_{323}	18.0	X	11.07927	54.74994	276.64320	5.60932	0.2587976	0.30340058	2.1934367	21	11 10.3	19.8
359021 2008 UL_{361}	16.6	X	18.06210	95.65295	339.69344	10.80723	0.1450546	0.24264580	2.5457800	21	—	—
359022 2008 UU_{366}	17.6	X	285.30784	246.85326	120.13973	4.75905	0.1052102	0.29036623	2.2585965	21	6 30.9	20.1
359023 2008 UO_{367}	17.5	X	334.58697	34.54766	345.55911	7.02411	0.1373565	0.30231616	2.1986789	21	10 21.2	19.3
359024 2008 UW_{370}	16.6	X	250.24940	51.91243	8.57926	9.41439	0.1946790	0.27709961	2.3301226	21	7 19.9	20.0
359025 2008 VM_{16}	14.3	X	350.40996	16.74747	53.58515	7.63329	0.0154685	0.08079333	5.2993064	21	12 4.9	21.2
359026 2008 VD_{46}	17.6	X	121.84346	331.21735	188.31987	8.67032	0.1389027	0.27939420	2.3173473	21	7 18.1	21.0
359027 2008 VV_{51}	18.1	X	8.45661	23.26359	5.20823	5.92065	0.0886474	0.31193890	2.1532264	21	—	—
359028 2008 VG_{68}	17.0	X	70.58768	143.77194	109.13437	6.24286	0.1363926	0.28210818	2.3024609	21	9 28.5	19.9
359029 2008 VA_{79}	16.8	X	14.11584	133.30948	104.76919	8.88769	0.0783683	0.26472074	2.4022087	21	5 24.5	19.4
359030 2008 WC_{31}	15.8	X	142.46596	349.36661	262.13626	10.98735	0.0823419	0.22607294	2.6687240	21	11 30.2	19.9
359031 2008 WF_{32}	16.2	X	58.59311	150.53975	266.18538	29.61878	0.2043772	0.24226839	2.5484232	21	—	—
359032 2008 WQ_{45}	17.4	X	115.51757	136.64286	48.58112	4.40719	0.0143299	0.28463632	2.2888070	21	8 4.5	20.1
359033 2008 WN_{63}	16.9	X	168.53982	59.53450	53.03234	7.50317	0.0990226	0.27840464	2.3228352	21	7 5.8	20.2
359034 2008 WM_{69}	17.5	X	239.48075	33.05273	59.81778	6.20036	0.1105043	0.29002973	2.2603431	21	9 3.0	20.4
359035 2008 WF_{74}	16.9	X	144.13566	32.52252	96.89336	6.56214	0.1613547	0.27223291	2.3578109	21	7 4.9	20.5
359036 2008 WD_{87}	17.6	X	207.87484	56.69771	99.95421	4.16798	0.0818218	0.30095157	2.2053201	21	10 25.5	20.3
359037 2008 WW_{98}	17.5	X	153.16569	217.82523	283.72610	5.66036	0.1548253	0.28053640	2.3110530	21	7 29.2	21.0
359038 2008 WC_{110}	17.9	X	34.54656	291.13929	65.25054	4.92920	0.1974837	0.30967394	2.1637128	21	—	—
359039 2008 WN_{114}	18.4	X	147.73531	96.38996	326.35815	0.86082	0.1705900	0.26616715	2.3934981	21	4 11.8	21.9
359040 2008 WW_{116}	17.7	X	332.68101	268.10688	73.64503	7.32469	0.1420828	0.29045416	2.2581406	21	8 17.2	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
359041 2008 WN_{125}	18.1	X	182.80571	193.14681	263.16381	0.79322	0.1521316	0.27428828	2.3460173	21	6 28.9	21.6
359042 2008 WT_{130}	17.8	X	31.90877	300.37853	247.77964	2.78058	0.0238508	0.26677825	2.3898415	21	4 5.2	20.8
359043 2008 WA_{135}	17.8	X	151.00507	16.12655	64.35138	2.11814	0.1581386	0.26907182	2.3762415	21	5 7.8	21.2
359044 2008 WG_{137}	18.0	X	169.66730	236.73733	230.55183	1.85018	0.1735441	0.27667505	2.3325057	21	6 30.8	21.6
359045 2008 XT_{4}	16.8	X	121.72367	175.65211	297.93484	5.48017	0.1905733	0.26556428	2.3971191	21	5 22.8	20.3
359046 2008 XL_{36}	17.5	X	138.53594	271.40357	269.11568	6.82394	0.1707589	0.28423975	2.2909354	21	9 2.5	21.3
359047 2008 XY_{36}	16.8	X	319.46001	329.53184	16.80524	2.36389	0.0840246	0.20925532	2.8098624	21	7 28.3	20.2
359048 2008 XN_{43}	17.5	X	187.81814	55.51577	309.64751	4.38008	0.1440501	0.26037841	2.4288428	21	3 6.8	21.4
359049 2008 XR_{47}	17.5	X	103.93015	240.16682	280.39801	6.20550	0.0487113	0.27030432	2.3690127	21	6 16.1	20.3
359050 2008 XP_{50}	17.4	X	57.61136	91.99485	108.13617	7.34380	0.1373537	0.26316529	2.4116650	21	6 19.0	19.9
359051 2008 YE_{10}	18.2	X	192.79933	206.46362	245.62597	5.02628	0.0862315	0.28163020	2.3050653	21	7 4.4	21.5
359052 2008 YH_{16}	17.8	X	122.58118	96.59896	114.63615	2.75381	0.1416165	0.28198111	2.3031526	21	9 30.4	21.2
359053 2008 YC_{17}	17.2	X	139.97992	174.12014	292.33399	3.61696	0.1050782	0.26574686	2.3960210	21	5 24.9	20.6
359054 2008 YC_{20}	17.1	X	32.25591	161.34809	110.54500	6.07919	0.0722672	0.27619532	2.3352058	21	8 15.6	19.5
359055 2008 YZ_{20}	17.6	X	135.78591	180.67827	281.38088	1.67138	0.1608021	0.26410999	2.4059107	21	5 20.3	21.1
359056 2008 YN_{24}	17.1	X	130.84534	243.63452	264.43461	3.57027	0.1935043	0.27053731	2.3676524	21	7 18.2	20.7
359057 2008 YA_{37}	17.8	X	192.04196	88.72787	309.83838	4.44503	0.0973129	0.26359555	2.4090399	21	4 20.6	21.4
359058 2008 YY_{37}	17.3	X	63.45756	162.15252	124.13665	6.10360	0.1213706	0.28813658	2.2702331	21	11 2.4	20.2
359059 2008 YL_{49}	16.7	X	41.42466	170.63650	104.06376	7.78052	0.1135064	0.27777647	2.3263358	21	9 13.5	19.4
359060 2008 YQ_{55}	17.5	X	119.26539	46.55790	99.29017	7.06954	0.0605137	0.26734850	2.3864420	21	6 18.1	20.5
359061 2008 YR_{78}	16.8	X	255.97723	78.85836	275.98769	6.70499	0.0949756	0.26669336	2.3903486	21	5 4.8	20.2
359062 2008 YO_{81}	17.5	X	45.62860	305.95936	301.90231	5.92378	0.0623249	0.27668253	2.3324637	21	7 29.2	20.0
359063 2008 YF_{88}	17.4	X	75.84434	58.83712	98.73561	3.21213	0.1565755	0.26204716	2.4185203	21	5 20.4	20.0
359064 2008 YT_{91}	17.8	X	92.97065	108.78498	87.99635	2.16747	0.1267293	0.27317425	2.3523912	21	8 4.7	20.7
359065 2008 YB_{98}	17.7	X	238.20234	35.88710	13.98775	2.25434	0.0601716	0.27448115	2.3449182	21	7 4.6	20.8
359066 2008 YB_{99}	17.9	X	44.69681	303.57614	303.34237	0.76867	0.1431461	0.27286000	2.3541970	21	8 8.2	20.2
359067 2008 YV_{105}	17.4	X	57.92446	87.76210	114.79770	5.25777	0.1314835	0.26447873	2.4036739	21	6 22.0	20.0
359068 2008 YW_{108}	17.1	X	52.26991	323.30459	311.53566	6.43091	0.1029196	0.28010971	2.3133994	21	9 21.6	19.9
359069 2008 YH_{118}	16.8	X	166.78004	326.10094	95.04576	2.24268	0.1800795	0.18376323	3.0640579	21	5 4.9	21.9
359070 2008 YH_{122}	17.9	X	133.50032	332.45759	188.17857	2.21040	0.1506942	0.27429400	2.3459847	21	8 3.4	21.5
359071 2008 YL_{126}	17.6	X	183.71293	7.47404	95.72875	4.39860	0.1821321	0.27536699	2.3398865	21	7 8.9	21.2
359072 2008 YP_{127}	16.9	X	326.94771	358.02438	300.62085	6.35446	0.1050688	0.26781365	2.3836780	21	5 26.4	19.4
359073 2008 YX_{132}	17.3	X	39.15663	195.41148	6.47175	2.38606	0.1270739	0.26081308	2.4261434	21	5 15.8	19.8
359074 2008 YZ_{136}	17.5	X	48.60484	301.15853	314.56609	4.84797	0.1003154	0.27839237	2.3229035	21	8 20.7	20.0
359075 2008 YP_{138}	16.6	X	305.09150	230.69808	282.78130	10.71660	0.1350466	0.23176528	2.6248458	21	—	—
359076 2008 YF_{141}	17.1	X	15.79065	121.04380	138.13353	7.80358	0.0878387	0.26866291	2.3786520	21	6 27.4	19.5
359077 2008 YX_{141}	17.7	X	186.37794	326.46196	82.59739	3.62509	0.1836410	0.26761800	2.3848396	21	5 3.0	21.5
359078 2008 YC_{143}	17.8	X	71.09274	223.39670	97.00996	3.22032	0.1886167	0.29980979	2.2109157	21	—	—
359079 2008 YF_{143}	17.8	X	179.12560	127.40159	247.35534	2.44079	0.2103985	0.25873910	2.4390910	21	3 14.1	21.9
359080 2008 YO_{144}	17.6	X	125.70406	4.19875	150.95914	1.65817	0.1252593	0.27024781	2.3693429	21	7 16.6	20.8
359081 2008 YC_{146}	17.7	X	166.67152	158.84638	264.52702	2.57284	0.0711407	0.26195052	2.4191151	21	4 25.1	21.1
359082 2008 YQ_{149}	16.9	X	216.46655	275.26703	105.67685	6.93315	0.1466543	0.26951640	2.3736276	21	4 27.2	20.6
359083 2008 YC_{151}	17.7	X	84.58683	34.43982	160.60777	1.41873	0.1049100	0.27124327	2.3635424	21	7 17.5	20.5
359084 2008 YW_{151}	17.7	X	201.76567	208.86490	167.91134	2.30267	0.2283408	0.26401761	2.4064719	21	4 5.7	21.9
359085 2008 YM_{154}	17.7	X	182.49926	154.21718	262.17591	3.22611	0.1891759	0.26754430	2.3852775	21	5 7.3	21.4
359086 2008 YJ_{159}	17.1	X	147.15512	43.96233	3.76597	1.55488	0.1719855	0.25512736	2.4620565	21	3 24.5	20.8
359087 2008 YQ_{165}	17.7	X	58.06821	23.07134	179.48602	2.38105	0.1326270	0.26368718	2.4084818	21	6 22.4	20.3
359088 2008 YM_{168}	17.5	X	129.01029	93.57299	1.55965	4.69750	0.1814986	0.26254165	2.4154826	21	5 4.9	21.1
359089 2008 YU_{172}	17.7	X	202.06553	349.24474	52.65113	2.23632	0.1766439	0.27019625	2.3696443	21	5 6.9	21.3
359090 2009 AG	17.2	X	154.78535	188.43634	253.59886	1.77260	0.1961378	0.26525415	2.3989872	21	5 15.9	21.1
359091 2009 AL_{13}	17.6	X	42.19142	357.01094	161.76068	2.43047	0.1528586	0.25387524	2.4701452	21	3 20.5	19.7
359092 2009 AG_{15}	16.9	X	111.49501	15.71161	109.04273	4.63725	0.1355290	0.26096977	2.4251722	21	5 21.3	20.1
359093 2009 AC_{17}	17.4	X	101.20210	19.19254	97.60385	3.47461	0.1496737	0.25931901	2.4354533	21	4 29.3	20.4
359094 2009 AC_{21}	16.8	X	335.79019	264.83464	329.92634	10.67569	0.2607327	0.24174576	2.5520948	21	2 16.9	19.5
359095 2009 AF_{26}	17.2	X	116.79953	29.53648	116.55713	2.50311	0.1337367	0.26747046	2.3857165	21	6 24.7	20.6
359096 2009 AX_{28}	17.3	X	168.43399	296.51587	115.47053	4.80484	0.1940584	0.26311622	2.4119648	21	4 22.5	21.2
359097 2009 AV_{33}	17.4	X	45.83781	215.00788	61.48701	3.51219	0.1389973	0.27928663	2.3179423	21	9 25.6	19.9
359098 2009 AB_{38}	17.7	X	40.97663	51.39184	142.62927	1.67408	0.1197675	0.25980500	2.4324152	21	5 7.9	19.9
359099 2009 AG_{42}	17.5	X	257.22281	157.89333	256.13963	3.89006	0.1445904	0.28168085	2.3047890	21	7 22.7	20.5
359100 2009 AH_{42}	16.8	X	356.48384	136.09527	96.99438	5.37840	0.0990291	0.25650218	2.4532511	21	4 15.9	19.5
359101 2009 AB_{46}	17.4	X	228.22231	27.08706	11.97648	1.57344	0.1760385	0.27255057	2.3559785	21	5 27.5	20.9
359102 2009 AN_{47}	17.0	X	27.46583	144.97342	139.24471	7.53406	0.1083632	0.27512273	2.3412713	21	8 30.9	19.3
359103 Ottopiene	17.0	X	320.02252	12.48580	323.64116	11.96162	0.2029202	0.28048692	2.3113248	21	6 28.4	19.2
359104 2009 BP_{4}	17.4	X	65.43348	291.36603	234.46349	5.00968	0.1470015	0.25839182	2.4412759	21	5 13.1	20.0
359105 2009 BD_{7}	17.2	X	38.11830	242.44001	194.79325	4.01332	0.2814192	0.24017548	2.5632066	21	—	—
359106 2009 BJ_{7}	17.5	X	130.56814	168.41535	271.65635	4.97865	0.1552955	0.25916298	2.4364308	21	4 12.9	21.0
359107 2009 BY_{8}	17.7	X	147.08269	335.76454	129.42686	3.07588	0.1617447	0.26695310	2.3887979	21	6 6.0	21.2
359108 2009 BH_{23}	17.4	X	177.06716	87.73634	0.98004	5.39196	0.1752044	0.26939907	2.3743167	21	6 13.1	21.3
359109 2009 BY_{23}	17.7	X	161.36607	32.39929	79.59726	4.16264	0.0650902	0.26833794	2.3805720	21	6 24.7	21.0
359110 2009 BP_{27}	17.5	X	195.07311	45.98664	81.41193	3.63717	0.0927072	0.28053003	2.3110880	21	8 27.2	20.6
359111 2009 BY_{28}	17.3	X	136.48634	9.02763	95.00584	2.57569	0.1514814	0.26440949	2.4040935	21	5 23.5	20.8
359112 2009 BP_{30}	17.0	X	63.14218	174.14893	103.55562	4.45043	0.1661522	0.28204357	2.3028125	21	10 26.2	19.9
359113 2009 BW_{31}	17.5	X	95.02396	159.45659	352.53840	2.26224	0.1247162	0.26243869	2.4161143	21	6 3.3	20.6
359114 2009 BX_{38}	17.2	X	87.70426	45.36502	105.61889	4.27923	0.1329351	0.25969134	2.4331249	21	5 25.3	20.2
359115 2009 BW_{43}	17.4	X	49.30169	314.83312	313.55773	5.29305	0.1034432	0.27411093	2.3470292	21	9 8.5	20.1
359116 2009 BX_{44}	17.6	X	29.64412	76.10446	163.33130	1.45679	0.1429165	0.26179340	2.4200830	21	6 27.9	19.7
359117 2009 BK_{45}	16.9	X	304.05616	328.34069	322.54440	5.27877	0.0974136	0.25594718	2.4567963	21	4 9.7	20.0
359118 2009 BP_{48}	17.2	X	31.00943	126.97915	323.74730	10.15464	0.0944398	0.23435543	2.6054697	21	—	—
359119 2009 BD_{49}	17.4	X	200.01204	275.00544	121.59637	6.00231	0.2336894	0.26735833	2.3863835	21	4 30.7	21.5
359120 2009 BH_{49}	17.6	X	41.58690	126.87211	116.19376	1.10834	0.1846335	0.26729047	2.3867874	21	8 3.7	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
359121 2009 BP_{51}	17.5	X	89.69917	84.73764	106.80350	2.12360	0.1230083	0.26833750	2.3805747	21	7 22.8	20.5
359122 2009 BE_{52}	17.5	X	215.22045	80.52479	314.61989	6.07461	0.1116154	0.26721798	2.3872190	21	5 10.8	21.1
359123 2009 BZ_{52}	17.5	X	168.51096	303.36682	101.60756	2.61215	0.1762293	0.25996462	2.4314194	21	4 11.9	21.3
359124 2009 BC_{54}	17.7	X	199.98400	300.78304	95.18771	3.55138	0.2002760	0.26536986	2.3982897	21	4 28.9	21.6
359125 2009 BL_{64}	17.3	X	140.64033	9.58731	106.13007	3.38277	0.1006753	0.26564239	2.3966492	21	6 7.9	20.5
359126 2009 BJ_{65}	17.6	X	342.69107	27.65418	235.77585	1.23316	0.1769811	0.25652703	2.4530927	21	4 23.2	19.9
359127 2009 BS_{65}	17.7	X	159.67651	289.47379	141.24750	5.47929	0.1654005	0.26113235	2.4241655	21	5 6.6	21.5
359128 2009 BY_{66}	16.3	X	231.59320	139.22049	159.90776	6.90163	0.1147487	0.24243285	2.5472705	21	1 29.2	20.2
359129 2009 BU_{70}	17.3	X	139.23375	188.81972	275.93174	1.30695	0.1747132	0.26311310	2.4119839	21	5 29.0	20.8
359130 2009 BD_{72}	17.2	X	88.58578	271.60956	239.01677	3.78350	0.1373143	0.26061760	2.4273564	21	5 25.9	20.2
359131 2009 BL_{77}	15.8	X	158.86529	88.59929	100.22257	16.08080	0.0940432	0.20536910	2.8451990	21	10 7.6	20.5
359132 2009 BN_{78}	16.6	X	3.19889	88.27783	63.54754	13.56134	0.1257958	0.23869773	2.5737747	21	—	—
359133 2009 BR_{78}	17.1	X	136.70619	9.03893	106.98301	7.32978	0.1267553	0.26548309	2.3976078	21	6 6.8	20.5
359134 2009 BB_{83}	17.0	X	111.29680	84.28212	40.21106	9.03261	0.1643733	0.26034546	2.4290477	21	5 22.3	20.3
359135 2009 BZ_{85}	17.8	X	135.87561	321.26523	185.19714	1.09085	0.1260209	0.27021396	2.3695408	21	7 16.3	21.0
359136 2009 BD_{86}	17.8	X	41.21392	242.73532	357.39315	0.96640	0.1491595	0.26683048	2.3895297	21	7 23.3	20.2
359137 2009 BM_{87}	17.4	X	50.76287	127.38728	109.15770	2.79856	0.1394111	0.26792780	2.3830008	21	8 2.3	20.0
359138 2009 BR_{88}	17.9	X	171.96183	152.00079	274.74274	1.96219	0.0705031	0.26288464	2.4133811	21	5 6.1	21.1
359139 2009 BS_{88}	17.9	X	22.04406	311.51072	265.35058	1.46310	0.1299668	0.25814610	2.4428249	21	5 5.6	20.3
359140 2009 BW_{91}	17.5	X	215.80412	260.05539	127.22239	6.01252	0.2281600	0.26725351	2.3870074	21	5 1.8	21.6
359141 2009 BE_{92}	17.4	X	167.62692	296.52235	146.80115	3.42613	0.1759167	0.26642512	2.3919528	21	5 29.5	21.1
359142 2009 BP_{94}	17.3	X	44.23505	290.33728	298.87870	2.56573	0.0813584	0.26520986	2.3992543	21	7 1.4	19.9
359143 2009 BK_{96}	16.8	X	126.33783	28.02834	92.88879	5.72761	0.1324125	0.26231350	2.4168830	21	6 1.9	20.2
359144 2009 BQ_{96}	17.5	X	85.69912	150.71057	4.51551	6.25248	0.2200817	0.25882984	2.4385209	21	6 10.1	20.7
359145 2009 BU_{103}	16.8	X	323.07151	296.24168	317.86517	13.74456	0.0941915	0.25210237	2.4817123	21	3 14.5	20.1
359146 2009 BL_{105}	17.4	X	206.61245	161.20573	221.03221	1.88191	0.2487252	0.26265090	2.4148127	21	4 15.5	21.7
359147 2009 BZ_{106}	17.5	X	157.16619	307.82719	147.64949	2.60561	0.1790483	0.26635665	2.3923627	21	6 4.3	21.3
359148 2009 BV_{111}	17.4	X	285.30097	57.99710	287.57058	5.65674	0.1283666	0.27116534	2.3639953	21	5 26.1	20.3
359149 2009 BB_{117}	16.9	X	185.41137	46.61634	349.53249	7.49627	0.1185367	0.25870631	2.4392971	21	4 11.0	20.6
359150 2009 BO_{119}	17.3	X	15.56040	236.53076	31.73133	2.63084	0.1685127	0.26632367	2.3925602	21	7 18.5	19.1
359151 2009 BU_{119}	18.1	X	175.49960	25.50047	18.88252	2.87616	0.1645243	0.25998298	2.4313050	21	4 15.7	22.0
359152 2009 BU_{120}	16.8	X	316.04652	119.65491	163.36303	5.97482	0.1185557	0.25770479	2.4456129	21	4 17.3	19.6
359153 2009 BF_{124}	17.5	X	110.45270	171.17645	316.82790	5.94498	0.0877622	0.25932708	2.4354028	21	5 14.2	20.8
359154 2009 BG_{127}	17.9	X	112.51886	175.16148	293.09941	1.56698	0.1530024	0.25788848	2.4444515	21	4 30.8	21.1
359155 2009 BQ_{129}	17.2	X	196.68681	331.47574	91.04088	2.92450	0.1624803	0.26737967	2.3862565	21	5 29.2	20.8
359156 2009 BA_{130}	17.7	X	125.00745	145.97924	4.18371	6.13594	0.0795267	0.26536787	2.3983017	21	7 4.9	21.1
359157 2009 BK_{130}	17.7	X	61.63808	167.12762	49.64043	3.26501	0.1343854	0.26298893	2.4127430	21	7 20.9	20.4
359158 2009 BT_{137}	17.7	X	132.19295	320.95360	124.12134	4.90216	0.2014079	0.25981284	2.4323663	21	4 30.9	21.3
359159 2009 BR_{138}	17.4	X	21.32231	312.64735	277.18054	1.28912	0.1495285	0.26030110	2.4293237	21	5 25.8	19.6
359160 2009 BN_{141}	17.6	X	203.88009	291.71758	106.70530	2.46218	0.1886216	0.26604330	2.3942408	21	5 5.0	21.6
359161 2009 BF_{145}	17.2	X	163.25134	309.91008	116.80021	3.59080	0.1626658	0.26191853	2.4193121	21	5 4.0	21.0
359162 2009 BD_{150}	17.5	X	64.33857	240.51367	325.47629	2.76319	0.0727866	0.26291734	2.4131810	21	6 28.1	20.2
359163 2009 BN_{158}	17.3	X	125.51352	257.21737	157.27409	14.21151	0.0781664	0.24579339	2.5239994	21	2 25.8	20.4
359164 2009 BS_{158}	17.0	X	335.27490	270.37315	316.22320	2.68530	0.0417395	0.24768904	2.5111049	21	3 8.6	20.0
359165 2009 BM_{161}	17.7	X	55.93082	116.70236	336.35551	11.20610	0.1485048	0.24090587	2.5580231	21	1 15.4	20.4
359166 2009 BD_{168}	17.1	X	20.84591	359.52625	270.77497	5.93114	0.1097598	0.26787898	2.3832904	21	7 24.9	19.6
359167 2009 BM_{173}	16.9	X	228.43291	33.49180	323.67676	15.48994	0.1130199	0.25882252	2.4385669	21	3 30.5	20.8
359168 2009 BH_{185}	16.4	X	359.01900	154.16817	82.70268	7.48100	0.0596696	0.25703429	2.4498642	21	4 28.8	19.2
359169 2009 CX_{3}	17.5	X	97.42449	115.40024	77.69513	3.86794	0.1189948	0.26993506	2.3711727	21	8 4.6	20.5
359170 2009 CN_{5}	20.0	X	201.90042	53.22922	349.71922	11.90673	0.4653807	0.51329857	1.5448608	21	4 22.9	22.9
359171 2009 CH_{12}	17.8	X	91.07648	234.66146	284.20160	1.41659	0.1174634	0.25899120	2.4375080	21	6 6.9	20.7
359172 2009 CD_{14}	16.4	X	160.03859	40.55347	9.23635	13.71319	0.1461326	0.25784481	2.4447275	21	4 5.5	20.2
359173 2009 CG_{17}	17.5	X	356.40881	198.25349	4.76907	4.72462	0.2174877	0.24218617	2.5489999	21	2 17.2	19.8
359174 2009 CK_{20}	17.7	X	74.93767	87.19959	150.23030	6.43868	0.0776585	0.27526675	2.3404545	21	8 30.5	20.5
359175 2009 CW_{20}	17.5	X	80.38889	46.97510	161.57263	3.94952	0.1147204	0.26925610	2.3751571	21	8 1.2	20.5
359176 2009 CA_{22}	17.4	X	67.09320	4.44703	184.39455	1.52858	0.1466604	0.26164227	2.4210148	21	6 19.3	20.0
359177 2009 CD_{23}	17.5	X	347.60456	93.47566	166.83305	4.39408	0.0617618	0.26142525	2.4223545	21	5 12.3	20.2
359178 2009 CL_{30}	17.4	X	163.78038	311.17410	101.62205	3.14174	0.2111100	0.25839301	2.4412685	21	4 19.8	21.3
359179 2009 CN_{33}	17.2	X	46.83990	325.73496	143.38528	9.35194	0.0702986	0.23928764	2.5695429	21	1 15.9	20.4
359180 2009 CL_{35}	17.1	X	113.07247	133.43040	353.26393	5.62405	0.0295309	0.26210882	2.4181410	21	5 6.7	20.1
359181 2009 CE_{37}	17.6	X	94.07117	64.39276	56.51868	3.31357	0.1572792	0.25719737	2.4488285	21	4 25.7	20.6
359182 2009 CC_{38}	17.7	X	114.28022	180.49888	301.13196	0.59547	0.1470339	0.25956386	2.4339215	21	5 20.8	20.9
359183 2009 CT_{40}	18.0	X	102.65560	318.74002	146.84641	2.10950	0.1361049	0.25632424	2.4543864	21	4 13.4	21.1
359184 2009 CV_{41}	17.6	X	10.85663	331.93187	262.88911	1.62677	0.1400410	0.25926526	2.4357899	21	5 10.7	19.7
359185 2009 CK_{45}	17.3	X	203.93337	268.45621	130.36376	7.41049	0.1135798	0.26703151	2.3883302	21	5 8.6	20.9
359186 2009 CX_{45}	16.9	X	349.41700	354.18355	308.58727	6.97963	0.1253460	0.27408667	2.3471676	21	7 15.9	18.8
359187 2009 CN_{48}	17.6	X	80.52426	159.95675	16.21879	5.16323	0.1020229	0.25974296	2.4328026	21	6 13.4	20.6
359188 2009 CQ_{56}	17.5	X	298.91351	249.89022	11.50311	4.96791	0.0426326	0.24633532	2.5202962	21	3 7.7	20.6
359189 2009 CO_{58}	17.6	X	78.19749	111.64039	349.43451	10.20741	0.1810075	0.24461702	2.5320850	21	3 9.4	20.1
359190 2009 CT_{63}	16.5	X	39.68573	220.45498	3.41508	10.96498	0.1719356	0.25907837	2.4369612	21	6 28.9	19.1
359191 2009 CD_{65}	16.7	X	38.97014	280.85358	198.58495	12.42049	0.2261241	0.23325779	2.6136371	21	1 16.6	19.1
359192 2009 DZ_{4}	17.4	X	173.43089	281.28550	155.85384	6.19598	0.1043081	0.26267819	2.4146454	21	5 25.5	21.1
359193 2009 DV_{5}	16.4	X	171.60990	40.85221	300.67560	13.46417	0.0223931	0.23798788	2.5788900	21	1 15.0	20.0
359194 2009 DP_{11}	16.2	X	341.13190	206.52118	326.29007	12.55911	0.2741698	0.23495268	2.6010525	21	—	—
359195 2009 DQ_{11}	17.6	X	44.48229	128.97027	90.16465	0.25344	0.1626702	0.25979032	2.4325069	21	6 28.4	19.8
359196 2009 DV_{15}	17.8	X	103.05563	214.80574	254.22874	0.60545	0.1407872	0.25467980	2.4649402	21	4 18.4	20.8
359197 2009 DD_{20}	17.6	X	166.61927	342.41039	121.91607	2.90306	0.1815465	0.26823208	2.3811983	21	6 24.5	21.5
359198 2009 DU_{33}	17.1	X	43.70906	215.94088	32.62280	5.16628	0.1621790	0.26095382	2.4252710	21	8 14.2	19.7
359199 2009 DJ_{44}	17.0	X	300.65906	162.99452	128.18130	9.58023	0.0382520	0.25327013	2.4740781	21	4 22.5	20.3
359200 2009 DK_{45}	17.1	X	102.79046	268.85729	252.77180	5.46734	0.1252845	0.26272256	2.4143736	21	6 27.6	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
359201 2009 DQ_{56}	18.1	X	41.93562	143.67485	3.45214	6.74987	0.1074515	0.24551443	2.5259110	21	3 3.4	20.7
359202 2009 DU_{57}	17.3	X	23.52112	287.10593	146.56352	5.95310	0.3507927	0.23335512	2.6129102	21	—	—
359203 2009 DP_{58}	17.4	X	289.68294	272.77585	353.33424	16.17515	0.1446689	0.24223388	2.5486652	21	2 20.0	21.1
359204 2009 DL_{60}	17.3	X	340.91151	214.19510	10.51808	9.98066	0.0749603	0.24613598	2.5216568	21	3 13.3	20.3
359205 2009 DN_{61}	17.4	X	352.60689	111.80625	58.79366	5.07191	0.1529432	0.23788173	2.5796572	21	1 5.9	20.5
359206 2009 DN_{67}	16.5	X	278.29311	111.19386	266.79340	1.07092	0.0921981	0.19103311	2.9858200	21	7 8.6	20.5
359207 2009 DC_{72}	16.9	X	41.31312	223.26721	8.81679	6.50063	0.0725134	0.26388052	2.4073052	21	6 30.1	19.7
359208 2009 DW_{74}	16.8	X	16.62052	279.63811	307.73101	6.80911	0.2333433	0.25513000	2.4620396	21	5 10.3	18.5
359209 2009 DQ_{80}	16.4	X	147.64826	9.05496	355.71894	15.17054	0.1300031	0.23686816	2.5870109	21	2 2.5	20.3
359210 2009 DQ_{81}	17.2	X	93.55605	36.86255	153.24980	6.59608	0.0516087	0.26277063	2.4140791	21	7 13.8	20.4
359211 2009 DA_{83}	17.3	X	305.64596	94.58069	154.46993	5.72536	0.1900893	0.23847293	2.5753919	21	2 6.4	20.7
359212 2009 DE_{89}	17.3	X	297.26515	121.01003	130.71441	5.07724	0.0551092	0.24061059	2.5601155	21	2 19.4	20.6
359213 2009 DZ_{97}	17.9	X	145.44510	297.48458	150.03326	5.63601	0.0442322	0.26072586	2.4266845	21	5 2.3	21.1
359214 2009 DR_{101}	17.4	X	25.33200	65.08933	103.73289	5.45257	0.1648424	0.24476806	2.5310432	21	3 4.9	19.7
359215 2009 DV_{102}	17.4	X	347.11893	128.73358	74.24004	3.87065	0.1532948	0.24188800	2.5510943	21	2 10.3	20.2
359216 2009 DM_{104}	17.6	X	354.23960	192.60052	6.91433	5.32244	0.1036953	0.24237503	2.5476756	21	2 23.9	20.5
359217 2009 DY_{107}	16.8	X	74.89366	144.46146	49.92563	6.60112	0.0557541	0.26256627	2.4153316	21	6 24.1	19.8
359218 2009 DO_{113}	17.3	X	289.13367	58.70405	164.75766	6.13857	0.1620180	0.23225981	2.6211186	21	—	—
359219 2009 DQ_{116}	17.5	X	108.80962	282.07753	145.79076	2.30684	0.1707945	0.24638325	2.5199694	21	3 7.9	20.5
359220 2009 DD_{117}	17.5	X	343.53606	36.55392	152.41889	1.82828	0.0181711	0.24058653	2.5602862	21	2 3.0	20.9
359221 2009 DR_{120}	17.4	X	293.04087	210.81024	356.86951	2.19986	0.0734460	0.23184207	2.6242662	21	—	—
359222 2009 DL_{125}	16.8	X	122.08453	234.59627	170.70996	8.04218	0.1216118	0.23870449	2.5737261	21	2 15.8	20.2
359223 2009 DV_{126}	16.7	X	51.81500	208.32017	181.35081	6.18890	0.0527662	0.21901059	2.7257916	21	—	—
359224 2009 DL_{127}	17.5	X	85.05599	144.27019	19.70413	6.42459	0.0927680	0.25793669	2.4441469	21	5 31.2	20.5
359225 2009 DM_{127}	16.8	X	205.41676	340.13005	352.18674	6.03845	0.1037541	0.23890991	2.5722506	21	2 15.8	20.6
359226 2009 DB_{134}	17.5	X	15.53754	272.45129	273.35786	1.15754	0.0961845	0.24529313	2.5274299	21	3 9.9	20.1
359227 2009 DD_{138}	17.2	X	5.53496	24.82388	183.44863	12.29004	0.1000879	0.24567085	2.5248386	21	3 25.3	20.0
359228 2009 DL_{138}	17.4	X	261.04541	267.28364	340.10183	2.74880	0.1297840	0.23072634	2.6327195	21	—	—
359229 2009 DY_{138}	15.9	X	253.30064	340.27601	255.76330	12.01943	0.2931153	0.22418209	2.6837091	21	—	—
359230 2009 DO_{139}	17.0	X	297.16784	217.64910	12.77046	12.90466	0.1970168	0.23317648	2.6142446	21	1 8.1	21.1
359231 2009 DO_{142}	16.7	X	153.63127	203.50594	188.72798	14.23643	0.1453774	0.23932439	2.5692798	21	3 9.1	20.6
359232 2009 EJ_{15}	17.2	X	91.21693	143.79717	1.24601	6.18463	0.0863464	0.25642886	2.4537188	21	5 11.4	20.3
359233 2009 EJ_{16}	17.4	X	53.40581	324.92260	260.76058	1.44743	0.1582775	0.26154241	2.4216310	21	7 23.7	20.1
359234 2009 EO_{16}	16.9	X	296.99477	124.90108	180.08751	5.97186	0.1540708	0.25355831	2.4722031	21	4 14.5	20.1
359235 2009 EP_{17}	16.5	X	265.31171	228.04973	357.04156	12.93379	0.2070900	0.22729404	2.6591572	21	—	—
359236 2009 EV_{18}	17.8	X	136.05485	82.22689	18.88438	5.53303	0.1999936	0.26048683	2.4281688	21	5 22.3	21.6
359237 2009 EA_{20}	16.8	X	41.37583	101.73616	70.82201	6.09613	0.1076971	0.25078954	2.4903656	21	4 8.9	19.4
359238 2009 EV_{26}	17.4	X	59.91860	134.05883	40.27148	4.80567	0.1314005	0.25516194	2.4618341	21	5 13.6	20.0
359239 2009 EC_{28}	16.9	X	84.84112	91.33728	16.37601	22.61888	0.0862158	0.24451628	2.5327804	21	3 21.2	20.1
359240 2009 EL_{28}	16.8	X	192.08497	236.32556	36.54860	6.68840	0.0212058	0.21995760	2.7179621	21	—	—
359241 2009 EU_{28}	16.4	X	323.42030	314.18112	185.90249	15.67817	0.1772480	0.22630396	2.6669074	21	—	—
359242 2009 FT	18.9	X	44.14311	220.62777	90.68216	14.56700	0.7242083	0.50037041	1.5713574	21	—	—
359243 2009 FW	16.9	X	93.29942	153.05257	12.40585	22.86869	0.2476583	0.25988977	2.4318863	21	7 14.5	20.9
359244 2009 FO_{1}	16.5	X	23.00841	88.04133	167.03791	9.90808	0.0788477	0.26084028	2.4259748	21	7 2.9	19.4
359245 2009 FH_{2}	16.5	X	269.62961	275.00291	0.09728	14.48703	0.0937008	0.23908023	2.5710288	21	2 15.9	20.3
359246 2009 FD_{3}	16.2	X	45.98344	131.64109	0.35456	13.04890	0.0868676	0.23997307	2.5646477	21	2 20.3	19.2
359247 2009 FZ_{7}	17.2	X	28.40273	304.42072	164.66247	13.75068	0.2350828	0.23566591	2.5958018	21	—	—
359248 2009 FQ_{12}	17.2	X	264.84980	297.26800	358.28053	10.95202	0.1720814	0.24133093	2.5550185	21	2 26.1	21.1
359249 2009 FD_{16}	16.7	X	173.41731	285.52693	105.76201	5.53141	0.1775577	0.24520265	2.5280517	21	4 2.2	20.8
359250 2009 FU_{17}	16.7	X	62.26407	277.24028	169.60752	12.58931	0.1129472	0.23656994	2.5891845	21	1 12.7	19.8
359251 2009 FF_{20}	16.2	X	268.55236	161.73514	136.00508	6.67684	0.1663790	0.24207232	2.5497991	21	3 3.6	20.1
359252 2009 FZ_{24}	17.2	X	39.84820	29.70879	90.20591	5.27042	0.2259307	0.24077888	2.5589224	21	1 20.5	19.0
359253 2009 FY_{25}	16.9	X	340.58074	142.90286	63.79064	16.51589	0.0846358	0.24159400	2.5531635	21	2 22.0	20.4
359254 2009 FL_{28}	17.3	X	52.04180	33.52539	99.27951	4.30453	0.0588482	0.24286327	2.5442600	21	2 26.2	20.2
359255 2009 FC_{32}	16.0	X	220.91978	264.15651	332.78112	12.77056	0.1571720	0.21211399	2.7845596	21	—	—
359256 2009 FK_{32}	17.5	X	305.31784	58.91714	160.07030	5.22636	0.1304790	0.23114586	2.6295331	21	1 8.8	21.2
359257 2009 FK_{33}	17.3	X	24.94430	193.66932	31.64624	5.46934	0.1485650	0.25589857	2.4571074	21	5 25.8	19.6
359258 2009 FP_{36}	17.1	X	175.19502	151.26227	136.93695	5.71448	0.0910351	0.22055883	2.7130206	21	—	—
359259 2009 FF_{41}	16.8	X	10.62527	76.73450	75.04370	6.00004	0.0623686	0.23668270	2.5883621	21	1 20.5	19.9
359260 2009 FQ_{43}	16.9	X	333.35014	117.11618	46.88431	31.53394	0.2627812	0.23068983	2.6329973	21	—	—
359261 2009 FK_{56}	16.3	X	12.67155	84.87287	84.35426	18.40295	0.1435836	0.24344830	2.5401823	21	2 12.7	19.3
359262 2009 FO_{56}	15.9	X	30.13364	215.06125	297.81256	21.56831	0.0730625	0.23926426	2.5697103	21	2 11.3	19.2
359263 2009 FH_{60}	16.7	X	342.94154	289.80382	287.30257	1.72295	0.0586148	0.24042726	2.5614167	21	3 5.9	19.9
359264 2009 FP_{63}	17.4	X	305.18129	167.75612	35.10976	5.07763	0.1041709	0.22916167	2.6446897	21	—	—
359265 2009 FV_{63}	17.2	X	322.86360	78.93503	180.32001	9.62135	0.1474131	0.24261091	2.5460240	21	3 20.9	20.1
359266 2009 FO_{67}	17.7	X	135.20739	48.87592	27.04844	4.04818	0.0525868	0.24770517	2.5109959	21	4 4.0	21.1
359267 2009 FQ_{69}	16.9	X	58.69760	352.27055	136.15776	5.71357	0.1690289	0.24245842	2.5470914	21	3 13.8	19.4
359268 2009 FQ_{71}	17.1	X	254.74058	60.71289	161.81974	4.36746	0.0588387	0.22249624	2.6972483	21	—	—
359269 2009 FV_{74}	17.0	X	105.49297	103.39191	46.75363	10.56997	0.1622198	0.25847046	2.4407808	21	6 19.7	20.5
359270 2009 FF_{76}	16.7	X	296.87736	136.14671	111.13203	4.70607	0.1219485	0.23346192	2.6121133	21	2 5.2	20.2
359271 2009 FQ_{76}	16.2	X	208.59974	143.66172	75.74219	9.87529	0.1020461	0.21075826	2.7964881	21	12 26.5	20.3
359272 2009 FT_{76}	16.4	X	13.68424	178.00498	38.52446	8.54364	0.1447992	0.24328789	2.5412988	21	4 21.1	18.7
359273 2009 FL_{77}	16.8	X	352.38840	299.70143	200.24632	12.66798	0.1860298	0.23078833	2.6322481	21	—	—
359274 2009 GY_{5}	17.1	X	223.33766	119.45992	176.52924	1.52470	0.2058708	0.22590999	2.6700072	21	1 19.8	21.6
359275 2009 HB_{2}	16.4	X	294.17214	115.55700	106.71147	11.93676	0.2266915	0.23004936	2.6378820	21	—	—
359276 2009 HR_{4}	17.2	X	232.95226	171.60402	121.52515	3.17515	0.0351354	0.23400942	2.6080374	21	1 28.2	20.7
359277 2009 HF_{6}	16.7	X	124.40211	153.16249	167.92586	9.26183	0.1396681	0.21014234	2.8019498	21	—	—
359278 2009 HJ_{6}	16.5	X	100.22883	222.33884	141.66868	6.97107	0.0350031	0.21748603	2.7385151	21	—	—
359279 2009 HC_{7}	17.0	X	82.22150	353.50431	99.95665	5.76285	0.0794527	0.23605928	2.5929173	21	2 22.2	20.2
359280 2009 HW_{7}	16.4	X	322.63844	1.07945	192.74647	15.92332	0.0633208	0.22977506	2.6399810	21	1 6.7	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
359281 2009 HP_8	16.8	X	132.25622	234.90388	104.20458	7.15138	0.0303399	0.21816550	2.7328261	21	—	—
359282 2009 HA_{19}	16.7	X	288.55962	32.02374	214.99740	12.72039	0.2127128	0.23129401	2.6284101	21	1 13.2	21.1
359283 2009 HZ_{19}	16.8	X	348.03140	103.25082	120.20758	5.76300	0.1111032	0.24251935	2.5466648	21	3 19.2	19.6
359284 2009 HM_{20}	16.0	X	331.86787	123.95301	76.85268	14.28533	0.1320327	0.23229339	2.6208660	21	1 21.1	19.5
359285 2009 HM_{24}	16.7	X	36.90373	356.05255	189.71193	14.44898	0.0373441	0.24390395	2.5370177	21	4 15.3	19.8
359286 2009 HD_{25}	16.8	X	321.19406	2.95438	214.51879	16.55312	0.2410947	0.23423587	2.6063562	21	1 6.9	20.7
359287 2009 HO_{28}	16.4	X	252.35240	259.26439	31.51096	13.09793	0.2610523	0.22839021	2.6506419	21	2 8.3	21.2
359288 2009 HE_{30}	17.3	X	223.76023	115.65837	158.32216	6.78097	0.1029415	0.22607037	2.6687442	21	—	—
359289 2009 HL_{38}	16.6	X	189.61501	299.21304	36.02640	10.56910	0.1310034	0.23236571	2.6203222	21	2 8.8	20.8
359290 2009 HK_{40}	17.3	X	271.96823	100.95946	172.40014	10.71493	0.2520157	0.23349762	2.6118471	21	1 27.2	21.7
359291 2009 HN_{41}	17.0	X	283.23603	157.06638	89.29042	4.53711	0.0904863	0.23136939	2.6278392	21	1 23.6	20.8
359292 2009 HR_{43}	16.7	X	342.39282	149.03333	60.40761	7.06022	0.1522413	0.23774837	2.5806217	21	2 14.4	19.8
359293 2009 HL_{44}	16.9	X	284.87268	133.12436	68.25261	6.21990	0.0805200	0.22274563	2.6952347	21	—	—
359294 2009 HS_{45}	16.7	X	201.37037	158.19358	92.35444	4.53790	0.1907601	0.21309574	2.7760005	21	—	—
359295 2009 HZ_{45}	17.4	X	327.17405	226.10669	24.96336	3.44340	0.1861532	0.24081378	2.5586752	21	3 11.4	20.3
359296 2009 HR_{49}	16.6	X	30.68852	355.45858	154.11608	9.65849	0.0700575	0.23952839	2.5678208	21	2 14.6	19.7
359297 2009 HN_{77}	16.7	X	268.29638	171.05574	30.98522	7.80905	0.1193456	0.21987973	2.7186038	21	—	—
359298 2009 HL_{78}	16.8	X	212.56687	99.42578	169.11717	5.16908	0.0897321	0.22150178	2.7053154	21	—	—
359299 2009 HA_{80}	16.2	X	293.80622	56.60524	169.32016	11.82684	0.1400005	0.22685561	2.6625822	21	1 3.9	20.3
359300 2009 HD_{83}	16.7	X	107.86665	197.43436	171.70712	6.48917	0.0591125	0.22429345	2.6828207	21	—	—
359301 2009 HN_{83}	16.3	X	318.80591	59.16082	82.50553	14.59173	0.0975099	0.21809819	2.7333883	21	—	—
359302 2009 HM_{84}	17.0	X	250.59999	115.39605	106.49740	6.08497	0.1073979	0.21691005	2.7433608	21	—	—
359303 2009 HL_{85}	16.4	X	317.13385	136.47451	81.49197	15.47349	0.1480423	0.23261900	2.6184197	21	1 20.9	20.0
359304 2009 HN_{85}	16.6	X	270.34696	54.21063	194.24905	15.01755	0.0198091	0.23031397	2.6358612	21	1 15.8	20.6
359305 2009 HO_{85}	16.7	X	233.62707	183.97607	80.25525	5.94023	0.1280705	0.22353037	2.6889229	21	—	—
359306 2009 HD_{89}	17.1	X	198.36678	52.01725	230.09539	5.23641	0.0600288	0.21561300	2.7543519	21	—	—
359307 2009 HY_{90}	17.2	X	6.06891	137.63459	21.99657	4.30760	0.2112229	0.23523871	2.5989436	21	1 6.6	19.7
359308 2009 HT_{91}	16.4	X	283.42650	216.71851	46.90939	14.30030	0.0933452	0.23289918	2.6163193	21	2 20.5	20.4
359309 2009 HG_{93}	16.6	X	23.03806	350.91745	201.52509	14.76811	0.1700032	0.24082174	2.5586188	21	4 2.3	18.9
359310 2009 HH_{103}	17.0	X	193.93192	174.70140	104.79842	5.33671	0.0388027	0.21543023	2.7559095	21	—	—
359311 2009 JQ_1	16.7	X	317.95273	124.88370	74.09667	5.92581	0.0486145	0.22875553	2.6478191	21	1 12.4	20.2
359312 2009 JE_2	16.1	X	219.89178	229.30105	48.11282	16.40107	0.2115728	0.21797023	2.7344580	21	—	—
359313 2009 JD_6	16.3	X	285.40332	53.23170	193.71956	13.05403	0.2194216	0.22811393	2.6527817	21	1 10.8	20.8
359314 2009 JV_6	17.0	X	304.94061	89.03887	110.74705	8.94962	0.0795461	0.22516540	2.6758901	21	—	—
359315 2009 JW_6	16.8	X	288.39703	26.76748	150.17203	8.64328	0.1471631	0.21764860	2.7371512	21	—	—
359316 2009 JX_6	16.6	X	314.74000	5.57347	136.23028	8.93474	0.1466280	0.21639696	2.7476956	21	—	—
359317 2009 JK_7	17.3	X	228.72399	114.79324	154.29159	0.94752	0.1879982	0.21951905	2.7215808	21	—	—
359318 2009 JS_{12}	16.9	X	341.32880	181.24908	85.03903	6.34302	0.1928335	0.24420900	2.5349045	21	4 27.3	19.3
359319 2009 JV_{12}	16.8	X	258.28366	87.11092	200.87479	12.33918	0.2646725	0.22743011	2.6580965	21	1 31.9	21.6
359320 2009 JE_{18}	16.9	X	291.75809	123.48620	116.78254	12.87042	0.1461722	0.22967011	2.6407851	21	1 18.7	20.6
359321 2009 KU_3	17.0	X	320.04202	49.47007	176.47348	13.16358	0.1092081	0.23350695	2.6117775	21	2 5.8	20.5
359322 2009 KU_{11}	16.7	X	130.74693	306.05268	85.01224	6.39494	0.0700339	0.22670346	2.6637734	21	2 6.2	20.3
359323 2009 KV_{14}	15.9	X	241.88997	149.92992	81.78436	9.69322	0.1440349	0.21562888	2.7542167	21	—	—
359324 2009 KP_{15}	16.7	X	34.07602	334.59381	109.27014	6.55329	0.0576426	0.21863285	2.7289303	21	—	—
359325 2009 KQ_{18}	16.8	X	337.93629	357.78843	199.55336	17.13927	0.1630180	0.23242206	2.6198986	21	1 15.1	20.5
359326 2009 KN_{20}	16.6	X	33.17478	37.10958	83.76694	7.66892	0.0888142	0.22596680	2.6695597	21	1 15.1	19.8
359327 2009 KW_{21}	15.9	X	200.50359	185.60702	98.72023	14.42663	0.1554714	0.21355443	2.7720240	21	—	—
359328 2009 KD_{28}	16.5	X	334.21679	124.87730	85.90325	15.63838	0.2018890	0.23355179	2.6114432	21	1 26.7	19.9
359329 2009 MD_7	16.2	X	86.56756	105.34766	224.95734	6.15246	0.1349769	0.18927079	3.0043255	21	—	—
359330 2009 OO_6	16.2	X	92.33619	147.96773	150.22414	11.78128	0.2247608	0.18371708	3.0645710	21	12 12.0	21.4
359331 2009 OD_{12}	15.8	X	32.03002	146.41777	201.74574	10.05230	0.2307177	0.17592625	3.1543917	21	12 5.7	19.9
359332 2009 PD_{13}	15.6	X	240.50446	163.88794	109.50309	15.21665	0.1450737	0.21213373	2.7843867	21	1 11.5	20.0
359333 2009 PG_{19}	15.7	X	127.51237	256.83468	354.73944	9.34043	0.1945524	0.17800520	3.1297833	21	11 10.9	21.1
359334 2009 QV_5	15.2	X	82.53331	117.14096	183.35575	22.49684	0.2318412	0.17998178	3.1068267	21	12 6.2	20.5
359335 2009 QA_{14}	15.7	X	103.20898	291.81811	340.39313	15.25804	0.1847538	0.17649475	3.1476144	21	11 10.6	21.0
359336 2009 QR_{38}	18.2	X	261.91331	189.47836	163.20509	23.15707	0.0795619	0.39041744	1.8540292	21	5 9.9	20.7
359337 2009 QL_{43}	16.2	X	90.34319	281.73109	23.08804	3.10836	0.2089611	0.17959309	3.1113078	21	12 14.4	21.1
359338 2009 RW_{24}	15.2	X	61.77588	102.64050	205.03723	10.75179	0.0858117	0.17295417	3.1904261	21	11 3.5	19.6
359339 2009 RL_{40}	12.9	X	237.89801	147.12522	1.78926	25.59997	0.1024451	0.08344247	5.1865425	21	10 12.2	20.2
359340 2009 RX_{73}	13.9	X	306.45759	286.61815	168.07345	6.57177	0.0270375	0.08455227	5.1410582	21	11 14.1	20.6
359341 2009 SS_{14}	15.9	X	80.64978	67.68498	252.73998	3.97639	0.1310588	0.17871836	3.1214516	21	12 15.7	20.5
359342 2009 SV_{119}	15.4	X	103.29473	99.58006	193.52346	26.04780	0.1356666	0.17685699	3.1433149	21	12 6.6	20.7
359343 2009 SE_{143}	14.1	X	310.27079	228.79871	199.01207	8.48069	0.0759650	0.08175500	5.2576682	21	10 13.6	20.6
359344 2009 SK_{175}	15.8	X	85.75608	134.23859	162.53471	17.04914	0.1656826	0.17728354	3.1382710	21	11 29.7	20.9
359345 2009 SE_{198}	14.0	X	341.20965	59.40214	331.67299	6.70149	0.0690589	0.08179755	5.2558446	21	10 9.7	20.7
359346 2009 SE_{205}	13.9	X	353.63138	188.81892	220.62071	6.02952	0.0122823	0.08591404	5.0865887	21	11 17.6	20.6
359347 2009 SX_{207}	13.9	X	325.05738	105.14970	308.48212	2.53122	0.1208507	0.08216075	5.2403438	21	10 12.0	20.4
359348 2009 SB_{233}	16.5	X	173.39834	262.60295	33.75152	9.32251	0.3199349	0.19849838	2.9104808	21	—	—
359349 2009 SG_{248}	14.3	X	337.71059	207.17450	204.89260	5.99556	0.1222887	0.08403705	5.1620497	21	10 29.9	20.6
359350 2009 SD_{254}	13.9	X	346.71504	155.81340	247.17243	5.39846	0.0579939	0.08434110	5.1496362	21	11 1.1	20.5
359351 2009 SH_{289}	13.8	X	333.09256	5.20811	55.49631	8.48620	0.1134901	0.08370341	5.1757577	21	11 3.0	20.0
359352 2009 SH_{290}	13.7	X	273.45821	74.81327	55.77881	13.48253	0.1349343	0.08291765	5.2084047	21	11 2.9	20.5
359353 2009 SX_{305}	16.6	X	65.72553	90.74872	210.61529	4.60709	0.2851629	0.17586375	3.1551390	21	11 26.1	21.4
359354 2009 SG_{347}	13.8	X	310.96143	13.33492	62.91618	8.81436	0.1532776	0.08256660	5.2231574	21	10 18.8	20.2
359355 2009 SC_{355}	14.0	X	293.33846	275.02468	177.92854	9.07419	0.0798736	0.08209721	5.2430473	21	10 21.9	20.8
359356 2009 TT_{42}	15.7	X	133.34476	256.85250	33.88058	19.93939	0.4030915	0.18300241	3.0725444	21	—	—
359357 2009 TM_{46}	13.6	X	357.85369	0.56868	41.39910	7.97108	0.0913375	0.08352792	5.1830048	21	11 14.7	20.0
359358 2009 TN_{46}	14.6	X	314.02791	20.17492	63.64397	7.03399	0.2334135	0.08229934	5.2344593	21	10 21.7	20.7
359359 2009 UV_{13}	15.5	X	74.69421	289.99837	26.55540	11.04517	0.2124251	0.17795560	3.1303648	21	12 12.6	20.4
359360 2009 US_{28}	14.3	X	321.82780	218.92662	218.08000	6.74584	0.1008419	0.08108354	5.2866543	21	11 5.4	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
359361 2009 US_{55}	14.1	X	338.66452	31.75944	34.00825	7.84930	0.1012123	0.08288153	5.2099180	21	11 14.7	20.5
359362 2009 UL_{102}	15.9	X	44.62343	209.31006	193.04633	8.98129	0.0678343	0.18189066	3.0850518	21	—	—
359363 2009 UR_{105}	14.5	X	322.43821	78.88156	354.22041	5.58330	0.1477772	0.08233596	5.2329072	21	10 27.5	20.8
359364 2009 UF_{130}	13.4	X	283.50098	12.15095	97.42925	11.75566	0.1346800	0.08294147	5.2074075	21	10 25.4	20.2
359365 2009 VN_{11}	14.2	X	357.82337	319.44778	92.01259	2.81970	0.0613713	0.08088718	5.2952068	21	11 24.8	20.8
359366 2009 VK_{20}	13.8	X	290.35320	116.41305	0.86009	5.80282	0.0765569	0.08307061	5.2020091	21	11 11.6	20.6
359367 2009 VR_{38}	15.4	X	106.86904	258.86555	54.45449	13.56016	0.2312896	0.17869696	3.1217008	21	—	—
359368 2009 WC_{57}	13.7	X	19.70190	305.14306	78.24426	8.59739	0.0628461	0.08210618	5.2426655	21	11 21.8	20.4
359369 2009 YG	18.4	X	221.83570	67.47000	138.86449	3.38805	0.6979741	0.31351751	2.1459924	21	11 12.8	22.7
359370 2009 YX_{14}	16.8	X	60.10634	83.65530	84.15317	7.90996	0.0487787	0.28433140	2.2904431	21	4 23.9	19.4
359371 2010 AC_{27}	17.7	X	181.50054	262.85532	129.80901	24.27459	0.1158396	0.36775770	1.9294263	21	4 2.3	20.7
359372 2010 CN_{189}	16.5	X	339.10698	163.45808	189.56672	23.17430	0.1692976	0.28544023	2.2845075	21	9 12.9	18.5
359373 2010 CX_{222}	17.3	X	237.20115	295.07511	145.62341	21.90349	0.1581506	0.29003905	2.2602947	21	8 3.2	20.6
359374 2010 DD_{18}	17.4	X	20.06945	198.94275	106.94930	6.46471	0.2025987	0.28159583	2.3052529	21	10 9.2	19.5
359375 2010 DU_{21}	17.4	X	65.84006	168.05622	311.88264	21.23617	0.0537616	0.35875665	1.9615652	21	1 31.6	18.8
359376 2010 DW_{31}	17.5	X	89.57903	349.05106	269.20567	1.84341	0.1444388	0.29051776	2.2578110	21	10 26.3	20.5
359377 2010 EZ_{35}	17.4	X	39.41707	309.79144	180.11231	25.02476	0.0724010	0.34828163	2.0007017	21	—	—
359378 2010 ED_{42}	17.5	X	35.72767	262.23053	28.44255	7.49294	0.1270206	0.28950519	2.2630725	21	9 29.9	19.8
359379 2010 ED_{44}	16.9	X	184.17089	223.70123	19.83573	23.76968	0.1841808	0.31411041	2.1432911	21	—	—
359380 2010 EO_{83}	17.3	X	37.07301	259.62633	26.65745	6.37380	0.0885240	0.28901683	2.2656211	21	9 19.2	19.7
359381 2010 FE_{54}	17.8	X	261.17072	120.23291	357.38577	3.70382	0.0795367	0.30860971	2.1686842	21	11 12.5	19.9
359382 2010 FA_{75}	17.8	X	70.38274	323.65957	300.77302	4.46810	0.2619594	0.28232878	2.3012614	21	10 24.7	21.1
359383 2010 FM_{92}	17.8	X	90.17477	53.46544	220.11891	6.28052	0.1630890	0.29817484	2.2189902	21	11 19.9	21.0
359384 2010 GH_{29}	18.1	X	195.74913	103.88954	50.64184	7.13429	0.0969441	0.30063915	2.2068477	21	10 6.9	21.0
359385 2010 GA_{123}	17.6	X	66.90239	98.59045	190.49270	4.85128	0.1713352	0.29462592	2.2367739	21	11 16.2	20.5
359386 2010 GQ_{126}	17.7	X	119.74422	20.66536	228.03641	4.94061	0.1478590	0.29967142	2.2115962	21	11 16.1	20.9
359387 2010 GU_{127}	17.3	X	314.88377	173.26800	124.10736	7.17887	0.1143436	0.26873176	2.3782457	21	5 7.0	20.1
359388 2010 GR_{131}	18.5	X	228.79328	261.30653	249.18040	0.86266	0.0622906	0.30587139	2.1816085	21	11 15.3	20.8
359389 2010 GE_{153}	16.7	X	275.95552	164.42901	159.46406	9.68131	0.1690544	0.25313816	2.4749379	21	4 13.7	20.3
359390 2010 GO_{154}	16.8	X	353.55697	57.36774	108.58093	12.48623	0.0552104	0.23757445	2.5818810	21	1 14.1	20.1
359391 2010 GU_{171}	17.0	X	298.24175	161.17692	110.18350	7.55088	0.0639028	0.26587006	2.3952807	21	3 16.2	20.1
359392 2010 HF_{6}	17.4	X	13.74282	140.96605	129.69946	5.55711	0.2225603	0.26801909	2.3824597	21	7 22.8	18.9
359393 2010 HC_{20}	17.5	X	32.61808	256.89443	60.14910	3.64201	0.2078934	0.29169411	2.2517367	21	11 14.9	19.8
359394 2010 HE_{55}	16.5	X	176.06287	159.18452	162.64049	8.25524	0.3537671	0.22447181	2.6813994	21	1 19.5	21.5
359395 2010 HM_{79}	17.9	X	94.03569	94.70560	187.21984	4.75443	0.1844940	0.29953050	2.2122898	21	12 6.2	21.2
359396 2010 HS_{82}	16.7	X	185.58725	214.82843	90.67606	8.29913	0.1965253	0.22536854	2.6742819	21	—	—
359397 2010 HF_{106}	17.2	X	127.21943	221.80865	211.07342	7.34799	0.0822925	0.25975499	2.4327274	21	3 20.9	20.4
359398 2010 HT_{106}	17.7	X	83.17537	110.34927	194.34790	5.24560	0.0595929	0.30687777	2.1768363	21	12 14.8	20.4
359399 2010 JD	18.2	X	60.15757	87.06466	203.41364	5.78956	0.1933724	0.29420231	2.2389204	21	11 12.9	21.0
359400 2010 JQ_{23}	16.5	X	156.92723	77.88748	260.81705	5.62027	0.1413529	0.22378463	2.6868858	21	1 9.1	20.5
359401 2010 JB_{40}	18.0	X	119.32896	243.88013	47.72980	3.10716	0.2888978	0.30325372	2.1941448	21	—	—
359402 2010 JN_{43}	17.6	X	215.07966	46.06331	107.16147	3.68503	0.0807696	0.30018214	2.2090870	21	10 29.7	20.3
359403 2010 JS_{78}	18.4	X	138.81259	37.00379	194.48914	4.06527	0.1381095	0.29940707	2.2128978	21	11 13.1	21.5
359404 2010 JH_{79}	17.6	X	96.15145	39.07219	168.18811	5.36978	0.0876658	0.28302553	2.2974830	21	8 17.1	20.4
359405 2010 JK_{79}	17.7	X	109.80175	352.24226	178.44696	5.30412	0.1041364	0.27883433	2.3204482	21	7 15.8	20.7
359406 2010 JV_{84}	16.9	X	234.52436	253.71821	113.48998	7.71087	0.0576877	0.26788623	2.3832474	21	5 4.4	20.2
359407 2010 JW_{99}	16.9	X	181.88710	216.54011	70.58208	4.26777	0.0093541	0.21872075	2.7281991	21	—	—
359408 2010 JG_{115}	16.8	X	22.24194	233.39128	41.01924	7.70693	0.1056250	0.28182679	2.3039932	21	8 8.7	19.2
359409 2010 JO_{118}	17.2	X	353.96638	282.54672	63.60272	6.47382	0.1345476	0.28833357	2.2691990	21	10 10.7	19.1
359410 2010 JS_{121}	18.0	X	115.90220	138.66413	124.50548	7.77845	0.1511040	0.29830431	2.2183481	21	12 2.2	21.4
359411 2010 KD_{46}	15.4	X	325.73491	34.73494	304.48753	15.08854	0.0929129	0.17442071	3.1725174	21	7 25.8	19.2
359412 2010 KX_{56}	16.1	X	177.51817	351.93947	345.46856	14.66037	0.2622882	0.22617247	2.6679410	21	2 7.4	20.8
359413 2010 KR_{77}	16.0	X	53.03425	42.15567	278.70401	5.67042	0.1343280	0.19213739	2.9743686	21	11 16.8	20.1
359414 2010 KQ_{96}	17.1	X	8.36177	103.50182	130.88027	9.38195	0.1729628	0.25398354	2.4694430	21	5 9.1	19.4
359415 2010 KU_{114}	16.1	X	117.14545	350.22900	343.02205	22.94645	0.2496316	0.20977735	2.8051988	21	—	—
359416 2010 KZ_{121}	15.9	X	357.32698	17.90463	314.39703	9.76233	0.0930542	0.17904241	3.1176841	21	9 2.3	19.9
359417 2010 LQ_{1}	17.2	X	61.94295	185.20765	105.98696	6.68611	0.1368308	0.28927259	2.2642856	21	11 9.3	20.1
359418 2010 LT_{4}	15.7	X	327.01417	25.15209	343.61852	9.92747	0.2340873	0.17682917	3.1436446	21	8 24.3	18.8
359419 2010 LL_{8}	15.8	X	349.82045	8.65345	326.93179	15.93540	0.2290309	0.17759640	3.1345842	21	8 26.4	18.7
359420 2010 LF_{10}	16.0	X	313.83515	215.09192	163.87156	9.54112	0.1840992	0.17583552	3.1554767	21	8 16.5	19.7
359421 2010 LF_{16}	17.6	X	126.29476	183.88519	71.86587	6.35123	0.1605855	0.29904025	2.2147071	21	12 1.5	21.1
359422 2010 LQ_{16}	15.9	X	238.40908	326.45758	320.76050	27.35642	0.1350183	0.23084466	2.6318199	21	1 27.9	20.1
359423 2010 LY_{39}	16.6	X	192.59785	114.17090	179.46978	11.55535	0.1503270	0.22074243	2.7115160	21	—	—
359424 2010 LU_{43}	15.9	X	160.58633	309.24004	330.34171	16.16530	0.2544041	0.21197581	2.7857695	21	—	—
359425 2010 LO_{54}	16.9	X	181.27390	121.44950	179.92772	6.97998	0.1498738	0.21900431	2.7258437	21	—	—
359426 Lacks	16.1	X	324.82020	89.65501	268.09015	8.02840	0.1019582	0.17478993	3.1680482	21	8 13.6	20.3
359427 2010 LD_{82}	15.6	X	349.32727	12.90307	315.78702	17.31838	0.2537374	0.17581619	3.1557080	21	8 14.4	18.3
359428 2010 LJ_{86}	16.0	X	330.73234	62.26324	289.68855	8.24355	0.0975416	0.17480999	3.1678058	21	8 16.4	20.0
359429 2010 LA_{88}	16.5	X	240.79428	302.58673	320.28077	14.12686	0.2168014	0.22733918	2.6588052	21	—	—
359430 2010 LJ_{115}	16.6	X	294.79585	286.42464	341.02085	11.21119	0.1650601	0.24043791	2.5613411	21	2 21.7	20.2
359431 2010 LB_{118}	16.2	X	333.88521	54.41938	343.64308	9.95687	0.0471769	0.18681400	3.0306080	21	10 21.9	20.4
359432 2010 MY_{7}	15.0	X	103.20308	221.51562	253.21007	8.65869	0.0397935	0.14760308	3.5460031	21	4 19.4	20.1
359433 2010 MO_{33}	15.9	X	27.96499	130.79347	199.53463	8.78939	0.1733017	0.18439281	3.0570795	21	10 31.8	19.7
359434 2010 MJ_{43}	16.4	X	281.18989	339.97582	287.51914	7.26105	0.1255389	0.23423080	2.6063939	21	2 9.4	20.2
359435 2010 MK_{48}	15.6	X	268.19144	96.03170	342.39500	14.76883	0.0666952	0.17710561	3.1403726	21	9 12.9	20.1
359436 2010 MT_{56}	15.8	X	39.78744	35.65799	285.49368	8.61148	0.0842510	0.18410850	3.0602260	21	10 19.7	20.1
359437 2010 MN_{63}	15.8	X	36.44469	347.81977	304.92363	11.61181	0.1643561	0.17846980	3.1243491	21	9 17.0	19.9
359438 2010 MA_{66}	16.0	X	279.66740	93.04174	319.75147	9.65697	0.0346482	0.17386500	3.1792738	21	8 30.5	20.5
359439 2010 MC_{69}	15.9	X	9.09662	136.15367	199.03549	11.47923	0.1177058	0.17932906	3.1143609	21	9 28.4	19.7
359440 2010 MX_{75}	15.5	X	318.22032	71.62878	346.70564	16.07664	0.0546514	0.18507709	3.0495396	21	10 22.1	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
359441 2010 MS_{77}	16.3	X	267.67894	309.32194	344.59920	7.72734	0.0894180	0.23537070	2.5979719	21	3 5.3	20.1
359442 2010 MG_{86}	16.3	X	343.44252	11.88061	359.39337	27.75838	0.1350145	0.17982227	3.1086637	21	9 29.9	20.0
359443 2010 MK_{88}	15.2	X	152.43127	170.66249	3.49615	30.25432	0.2157527	0.17246842	3.1964138	21	9 13.5	20.8
359444 2010 MS_{88}	17.8	X	97.37567	37.63024	220.04478	3.55910	0.1633962	0.28629182	2.2799750	21	11 4.8	21.0
359445 2010 MH_{96}	16.3	X	298.25422	279.68274	185.78054	6.30569	0.0668828	0.19129780	2.9830651	21	11 30.7	20.3
359446 2010 MZ_{97}	16.0	X	289.89265	87.28358	342.52268	15.82023	0.0799591	0.17920928	3.1157485	21	9 26.2	20.3
359447 2010 MZ_{101}	16.9	X	122.74114	245.70964	98.30448	1.84134	0.0774348	0.20899193	2.8122227	21	—	—
359448 2010 MT_{106}	16.3	X	199.55081	193.55857	52.54349	1.03439	0.0385532	0.20412762	2.8567234	21	—	—
359449 2010 NV_{11}	15.7	X	269.53801	87.45386	9.91181	12.67031	0.0203646	0.18226912	3.0807798	21	10 15.3	19.9
359450 2010 NQ_{12}	17.3	X	240.90215	162.35698	131.91945	2.93263	0.1791436	0.22983423	2.6395278	21	2 1.5	21.6
359451 2010 NZ_{14}	15.1	X	332.55060	332.98820	14.40592	18.69140	0.1292609	0.17140759	3.2095884	21	8 22.9	19.3
359452 2010 NR_{24}	16.2	X	175.54970	224.16593	27.76822	8.67371	0.1297756	0.20143054	2.8821672	21	12 28.3	20.9
359453 2010 NK_{29}	15.5	X	350.03783	262.20907	84.58509	10.52257	0.0983085	0.17495769	3.1660226	21	9 18.2	19.6
359454 2010 NH_{30}	15.5	X	227.63725	88.36079	267.34470	8.26137	0.1022418	0.14629129	3.5671694	21	4 12.2	21.1
359455 2010 NW_{37}	15.4	X	349.46261	311.88941	12.75917	14.77669	0.0793672	0.16971449	3.2308994	21	8 19.6	19.7
359456 2010 NG_{42}	15.8	X	94.55347	155.27251	203.90865	14.67888	0.1454455	0.20437913	2.8543793	21	—	—
359457 2010 NE_{45}	16.0	X	139.71272	51.16284	241.38425	4.23616	0.0901476	0.20092496	2.8870000	21	—	—
359458 2010 NE_{49}	16.4	X	86.86183	41.26997	262.07189	1.22490	0.1433779	0.19125119	2.9835497	21	12 5.3	20.9
359459 2010 NJ_{49}	16.0	X	149.63227	187.16986	26.68574	15.28245	0.0459920	0.18181331	3.0859267	21	10 17.4	20.5
359460 2010 NJ_{51}	16.1	X	11.73615	12.26146	293.24630	5.97157	0.1294101	0.17178731	3.2048571	21	8 23.4	20.1
359461 2010 NS_{53}	15.8	X	284.02252	243.98477	179.05117	15.96185	0.0981710	0.17372471	3.1809852	21	9 9.9	20.2
359462 2010 NA_{55}	15.3	X	228.24381	305.46684	1.36148	31.12769	0.2608397	0.23054376	2.6341093	21	2 18.6	20.4
359463 2010 NG_{56}	16.1	X	254.21280	263.35466	356.17524	10.98365	0.1634748	0.22344263	2.6896268	21	1 6.7	20.6
359464 2010 NG_{61}	15.7	X	228.91299	39.47246	355.80827	4.94643	0.0674347	0.15445881	3.4402837	21	6 4.5	20.9
359465 2010 NX_{61}	15.1	X	294.35048	102.04260	297.69852	20.16529	0.0235900	0.17192230	3.2031793	21	8 27.0	19.8
359466 2010 NB_{62}	16.9	X	249.18087	87.36463	182.43472	11.17983	0.1695044	0.22490939	2.6779203	21	1 10.5	21.4
359467 2010 NF_{64}	16.0	X	30.05223	107.40459	198.88678	12.62408	0.0211338	0.17377365	3.1803879	21	9 10.5	20.6
359468 2010 NH_{70}	15.6	X	15.95044	333.69996	358.84850	14.04040	0.1452941	0.17826316	3.1267631	21	10 6.9	19.4
359469 2010 NH_{75}	15.0	X	289.56550	24.09743	29.58030	27.69222	0.1839253	0.17136460	3.2101252	21	9 11.1	19.7
359470 2010 NE_{80}	15.6	X	161.09612	154.34570	22.04259	28.03887	0.1204766	0.17225658	3.1990338	21	9 24.6	20.9
359471 2010 ND_{99}	15.9	X	287.92218	58.82217	24.88019	11.05756	0.0183530	0.18210786	3.0825982	21	10 23.0	20.0
359472 2010 NZ_{114}	16.3	X	219.04633	103.63396	176.40887	13.00815	0.0980315	0.21708257	2.7419071	21	—	—
359473 2010 NZ_{117}	17.1	X	355.43104	155.81292	149.84125	9.59945	0.2273981	0.26813124	2.3817953	21	8 2.3	18.6
359474 2010 OQ_{4}	15.5	X	15.52026	354.25841	341.40928	11.40563	0.0580494	0.17706134	3.1408959	21	9 30.8	19.8
359475 2010 OO_{10}	15.9	X	38.39983	16.32575	358.47645	15.28588	0.0587934	0.19192435	2.9765692	21	12 25.5	20.3
359476 2010 OT_{13}	17.2	X	269.17501	245.44409	39.79031	11.98745	0.1832378	0.23341115	2.6124921	21	2 21.0	21.5
359477 2010 OK_{15}	16.0	X	65.24876	331.45850	6.84066	13.69942	0.1089300	0.19108584	2.9852707	21	12 18.9	20.6
359478 2010 OE_{17}	16.0	X	78.08258	146.73878	137.95815	10.89644	0.0612306	0.18068283	3.0987852	21	10 27.3	20.6
359479 2010 OH_{20}	15.7	X	266.64934	103.05642	342.15732	15.53386	0.0779468	0.17351339	3.1835674	21	9 16.6	20.2
359480 2010 OY_{26}	16.4	X	233.48683	238.74399	25.75020	10.76664	0.0935264	0.21552953	2.7550630	21	—	—
359481 2010 OT_{29}	16.2	X	262.99540	79.31073	41.09174	9.68992	0.0682466	0.18214839	3.0821409	21	10 30.9	20.5
359482 2010 OC_{31}	16.2	X	298.24250	123.07502	181.94229	28.79861	0.1097207	0.24259309	2.5461487	21	4 26.0	19.8
359483 2010 OX_{33}	16.0	X	134.14253	32.31923	191.23365	9.32682	0.1033445	0.17853166	3.1236274	21	10 14.7	20.7
359484 2010 OR_{34}	16.3	X	20.89484	291.96626	10.62887	3.89682	0.0724288	0.16975042	3.2304434	21	9 1.4	20.6
359485 2010 OO_{37}	15.7	X	208.96300	27.30459	261.37155	14.31628	0.2375315	0.21959470	2.7209558	21	—	—
359486 2010 OB_{39}	15.7	X	246.25925	271.92412	33.27474	15.53854	0.1756790	0.23113988	2.6295784	21	2 26.9	20.2
359487 2010 OM_{43}	15.3	X	27.50793	251.02239	82.81635	17.25100	0.1037523	0.17996154	3.1070596	21	10 31.9	19.6
359488 2010 OL_{53}	16.0	X	164.60346	325.17553	14.73239	14.48212	0.1562840	0.21651272	2.7467161	21	1 26.2	20.6
359489 2010 ON_{59}	15.2	X	142.52173	209.43848	359.13375	25.41880	0.0720892	0.17453791	3.1710971	21	9 29.5	20.1
359490 2010 OK_{72}	16.1	X	210.68585	305.25151	41.61500	12.69523	0.2971435	0.23123847	2.6288310	21	3 15.3	21.1
359491 2010 OL_{81}	15.7	X	15.65999	355.09497	334.23838	8.72263	0.1006662	0.17453400	3.1711445	21	9 27.1	19.8
359492 2010 OR_{82}	15.8	X	93.08868	196.80614	76.55777	3.53208	0.0365037	0.17911557	3.1168351	21	10 24.7	20.2
359493 2010 OD_{96}	16.0	X	219.23529	309.37186	280.19146	7.03256	0.1543987	0.20057102	2.8903954	21	—	—
359494 2010 OP_{99}	15.8	X	47.52077	348.71582	344.25902	9.90619	0.2369221	0.18597486	3.0397175	21	12 7.9	20.2
359495 2010 OY_{107}	15.2	X	19.73413	213.21550	100.29566	11.46824	0.1275774	0.17213856	3.2004959	21	9 24.3	19.4
359496 2010 OA_{118}	15.6	X	118.51406	329.27423	309.71319	8.05157	0.0682732	0.18697514	3.0288665	21	11 30.8	20.3
359497 2010 OJ_{127}	15.9	X	42.29169	124.05984	216.76894	11.65257	0.1371741	0.19574220	2.9377381	21	11 30.5	19.9
359498 2010 PK_{61}	17.1	X	244.44390	132.39605	159.98839	3.12697	0.1663016	0.23424574	2.6062830	21	2 1.8	21.3
359499 2010 PJ_{66}	17.0	X	310.54189	52.88074	164.17829	15.12530	0.0751815	0.23401545	2.6079926	21	1 18.8	20.7
359500 2010 PA_{74}	15.9	X	338.02168	31.46459	324.61858	9.56967	0.1093810	0.18176071	3.0865220	21	9 3.5	19.5
359501 2010 PE_{78}	15.3	X	299.21178	39.57666	4.26055	14.72990	0.0347271	0.16810014	3.2515517	21	9 17.1	19.7
359502 2010 PV_{78}	15.8	X	346.97997	41.93995	325.31046	9.04835	0.1214360	0.18455662	3.0552702	21	10 1.6	19.6
359503 2010 PQ_{80}	16.8	X	92.02750	172.83953	117.46583	7.47621	0.1226678	0.28147266	2.3059253	21	12 7.9	20.1
359504 2010 QM	17.1	X	3.15829	123.63216	149.66404	1.70664	0.1531911	0.26076224	2.4264588	21	6 26.1	18.9
359505 2010 QD_{5}	15.9	X	338.45339	171.69352	179.05382	17.87766	0.2203268	0.17721518	3.1390780	21	8 20.8	19.3
359506 2010 RV_{7}	17.4	X	316.69856	54.31471	189.84777	5.59636	0.2080909	0.24221779	2.5487781	21	2 9.2	20.8
359507 2010 RP_{10}	16.5	X	300.34011	245.83181	351.69041	12.48922	0.2290366	0.23206684	2.6225714	21	1 17.6	20.6
359508 2010 RJ_{12}	15.9	X	1.64271	187.33784	169.13146	18.48767	0.3316164	0.18326249	3.0696368	21	11 12.6	19.0
359509 2010 RA_{14}	16.8	X	308.37945	236.68636	346.20640	6.76186	0.1657800	0.23138966	2.6276857	21	1 14.4	20.6
359510 2010 RX_{43}	15.5	X	186.98094	274.99587	168.35600	10.74709	0.1211891	0.15452504	3.4393006	21	6 18.6	21.1
359511 2010 RV_{46}	16.2	X	81.51982	105.65220	193.98598	8.70062	0.1511390	0.18964027	3.0004219	21	11 27.2	20.8
359512 2010 RF_{48}	16.1	X	344.73369	222.06378	187.25884	9.97645	0.0449375	0.18861014	3.0113370	21	11 25.8	20.2
359513 2010 RG_{49}	16.4	X	124.84377	136.35838	177.91444	9.15866	0.1287166	0.20662566	2.8336523	21	—	—
359514 2010 RD_{51}	16.1	X	4.06932	336.17783	9.57858	14.42712	0.1095419	0.17847369	3.1243037	21	10 4.2	19.7
359515 2010 RN_{51}	16.1	X	252.79208	254.08401	11.42240	12.46616	0.1473347	0.22426455	2.6830512	21	1 14.3	20.6
359516 2010 RM_{54}	16.3	X	309.74735	212.70950	180.13427	8.39308	0.1487410	0.17780100	3.1321791	21	9 2.1	20.3
359517 2010 RK_{59}	16.2	X	273.29824	42.85031	203.69666	13.67339	0.1042321	0.22419520	2.6836045	21	1 9.7	20.5
359518 2010 RV_{59}	16.2	X	6.64841	22.19289	325.20823	4.33108	0.1505461	0.18029891	3.1031824	21	10 12.5	19.9
359519 2010 RK_{62}	16.6	X	260.59143	262.62521	17.94324	8.96847	0.1600363	0.22943893	2.6425587	21	2 7.4	20.8
359520 2010 RX_{63}	15.6	X	91.54763	107.21080	188.81095	11.11728	0.0953799	0.18996338	2.9970187	21	11 27.7	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
359521 2010 RV_{65}	16.7	X	124.52670	13.31340	313.94887	7.50029	0.1255431	0.20977932	2.8051813	21	—	—
359522 2010 RR_{75}	17.1	X	135.48996	169.76841	182.55302	5.19159	0.0763709	0.21763363	2.7372768	21	—	—
359523 2010 RT_{78}	15.8	X	280.38724	47.61969	352.10946	11.88803	0.1042246	0.17186854	3.2038472	21	8 10.1	20.3
359524 2010 RW_{83}	15.9	X	17.31055	150.17976	156.59141	9.80204	0.0887639	0.17691105	3.1426746	21	9 2.6	20.0
359525 2010 RF_{88}	15.9	X	228.95437	113.47837	3.25429	9.34752	0.0522678	0.17927345	3.1150049	21	9 17.7	20.3
359526 2010 RG_{90}	15.9	X	306.86416	233.68008	150.31355	8.99600	0.0880642	0.17504115	3.1650163	21	8 25.7	19.9
359527 2010 RL_{93}	16.1	X	23.40363	178.44852	210.64632	9.74131	0.0346903	0.19665325	2.9286578	21	12 20.8	20.2
359528 2010 RZ_{101}	16.3	X	238.39332	303.89669	248.87568	2.22898	0.1066643	0.19725962	2.9226530	21	12 24.9	20.3
359529 2010 RT_{102}	16.4	X	111.21919	325.14029	276.31918	2.30306	0.0331906	0.17883825	3.1200564	21	10 4.3	20.8
359530 2010 RD_{107}	15.5	X	351.72807	341.65968	15.60682	10.40412	0.0577381	0.17611536	3.1521332	21	9 29.3	19.6
359531 2010 RV_{107}	16.5	X	136.11174	107.27007	174.64556	1.81452	0.0916464	0.19585502	2.9366098	21	12 25.5	21.0
359532 2010 RC_{108}	16.2	X	103.35838	240.52528	18.85128	9.48296	0.0282574	0.17955500	3.1117477	21	10 17.2	20.6
359533 2010 RQ_{112}	16.5	X	197.18517	209.89121	36.18021	4.08551	0.0390293	0.20246257	2.8723645	21	—	—
359534 2010 RS_{113}	16.1	X	70.30519	319.90811	344.11679	10.18814	0.1127346	0.18589668	3.0405697	21	11 10.2	20.7
359535 2010 RC_{116}	17.1	X	241.76074	218.09936	71.19802	4.23623	0.1615484	0.22717620	2.6600767	21	1 29.5	21.3
359536 2010 RK_{125}	16.5	X	82.76336	318.42226	34.40245	6.30290	0.0881696	0.20067859	2.8893624	21	—	—
359537 2010 RX_{131}	16.7	X	140.95424	98.13528	205.18561	1.44210	0.0429133	0.20482248	2.8502588	21	—	—
359538 2010 RF_{137}	16.4	X	40.37144	32.03725	344.96684	1.82706	0.0731749	0.19752898	2.9199954	21	—	—
359539 2010 RB_{143}	16.7	X	260.82851	268.12496	348.10973	13.10369	0.1454363	0.22506109	2.6767169	21	1 10.7	21.1
359540 2010 RX_{144}	15.8	X	65.85079	90.59094	202.35475	8.71976	0.0403567	0.17984755	3.1083724	21	10 15.2	20.0
359541 2010 RU_{158}	16.5	X	128.07286	359.25536	338.66890	6.32451	0.0337409	0.21321770	2.7749418	21	—	—
359542 2010 RM_{162}	15.9	X	299.23117	215.23557	177.50025	11.03357	0.0881838	0.17495676	3.1660339	21	8 24.1	20.1
359543 2010 RD_{165}	17.8	X	106.14625	3.79195	3.55869	0.86129	0.1823747	0.30076084	2.2062524	21	—	—
359544 2010 RG_{179}	16.3	X	204.79770	285.92431	13.85681	11.00836	0.1601816	0.22236669	2.6982958	21	1 11.7	20.9
359545 2010 RS_{179}	15.7	X	348.90503	7.37021	13.41915	9.42647	0.0462653	0.18148701	3.0896244	21	10 22.7	19.9
359546 2010 ST_{4}	15.7	X	274.47812	80.87553	342.70651	14.31934	0.0766224	0.17352630	3.1834095	21	9 2.7	20.2
359547 2010 SG_{5}	17.0	X	208.48358	168.61420	156.30453	5.77488	0.1700033	0.22714251	2.6603397	21	2 10.1	21.4
359548 2010 SU_{17}	17.1	X	262.38295	317.74038	350.15250	1.48064	0.1469793	0.23783180	2.5800182	21	3 10.9	20.9
359549 2010 SO_{22}	16.7	X	154.78569	94.85781	158.22772	2.18821	0.0715418	0.19621768	2.9329903	21	12 10.6	21.2
359550 2010 SG_{23}	15.6	X	327.82520	65.62444	301.86445	7.83762	0.0946391	0.17422016	3.1749516	21	9 1.1	19.7
359551 2010 SJ_{23}	15.8	X	267.14783	168.78549	274.18008	8.25707	0.0486525	0.17740619	3.1368244	21	9 17.0	20.3
359552 2010 SF_{28}	16.2	X	71.08019	77.97121	204.74379	9.40462	0.0753725	0.17918748	3.1160012	21	10 13.6	20.4
359553 2010 SP_{31}	15.8	X	70.23631	299.09384	354.51847	10.27056	0.0654924	0.18343818	3.0676766	21	10 22.0	20.3
359554 2010 ST_{37}	16.0	X	271.91656	256.77139	165.62724	4.92438	0.1022438	0.17471267	3.1689820	21	8 24.2	20.2
359555 2010 SU_{37}	16.4	X	252.89555	333.26919	317.88661	11.85568	0.1362752	0.23515478	2.5995620	21	2 9.8	20.4
359556 2010 SW_{38}	15.6	X	10.18261	351.00066	29.96234	12.14977	0.1614758	0.18353690	3.0665764	21	12 2.6	19.4
359557 2010 SW_{40}	15.7	X	26.27612	356.60936	333.94152	20.86285	0.2011682	0.18245353	3.0787035	21	10 20.6	19.9
359558 2010 SC_{42}	16.1	X	113.23892	330.38118	318.00719	9.37505	0.0677552	0.19134251	2.9826004	21	12 7.3	20.7
359559 2010 TG_{5}	15.7	X	291.60083	68.16012	21.75668	11.63965	0.0316456	0.18372717	3.0644589	21	11 1.7	20.0
359560 2010 TD_{33}	16.9	X	354.59557	297.83957	59.55662	1.38305	0.0715993	0.17657433	3.1466685	21	10 3.3	20.8
359561 2010 TF_{33}	16.7	X	176.21314	122.02877	191.02255	7.31601	0.2054225	0.21618382	2.7495013	21	1 2.9	21.4
359562 2010 TU_{86}	16.2	X	164.10962	343.67019	324.75779	8.17813	0.0946385	0.21415554	2.7668344	21	—	—
359563 2010 TN_{91}	16.9	X	171.06907	258.26933	31.70129	2.29016	0.0253135	0.20629824	2.8366496	21	—	—
359564 2010 TW_{100}	17.2	X	246.70127	132.49090	142.92140	2.84566	0.1712418	0.22586806	2.6703376	21	1 15.9	21.7
359565 2010 TY_{104}	16.7	X	220.00461	298.73331	315.72005	3.34929	0.1615660	0.21225384	2.7833362	21	—	—
359566 2010 TC_{106}	16.7	X	220.89909	265.56485	356.69758	2.94886	0.1140658	0.21259055	2.7803966	21	—	—
359567 2010 TT_{116}	16.2	X	225.76989	53.84785	199.42085	8.83338	0.1593924	0.21153407	2.7896464	21	—	—
359568 2010 TX_{119}	16.0	X	303.83759	49.73871	324.96562	9.31253	0.0343075	0.16954400	3.2330649	21	8 15.6	20.3
359569 2010 TD_{121}	16.7	X	143.49038	134.67710	101.78873	1.05915	0.1170071	0.18916784	3.0054154	21	11 9.3	21.5
359570 2010 TU_{126}	16.1	X	60.99531	43.32814	255.86127	1.96073	0.0699612	0.17946600	3.1127764	21	10 20.4	20.5
359571 2010 TP_{128}	15.3	X	117.71527	238.66703	17.58873	11.38808	0.0587772	0.17934158	3.1142160	21	10 31.0	20.0
359572 2010 TZ_{152}	16.7	X	215.42178	99.98842	155.91449	5.38462	0.1244194	0.21137572	2.7910395	21	—	—
359573 2010 TJ_{153}	15.8	X	137.14104	343.80250	264.43612	8.02867	0.0224233	0.18455959	3.0552375	21	11 11.6	20.3
359574 2010 TT_{160}	16.5	X	217.64986	214.19892	52.92611	6.31292	0.1249663	0.21419896	2.7664606	21	—	—
359575 2010 TF_{162}	16.8	X	281.28591	177.60735	138.44085	6.09441	0.2700644	0.24256293	2.5463598	21	3 28.9	20.7
359576 2010 TR_{163}	15.9	X	30.37172	4.54085	323.09555	8.59436	0.0835215	0.17905608	3.1175255	21	10 13.8	20.1
359577 2010 TY_{174}	15.9	X	300.67274	293.78517	324.80558	10.78396	0.1567699	0.23662307	2.5887970	21	2 17.5	19.4
359578 2010 TR_{184}	16.1	X	28.01245	339.14536	356.28632	11.32259	0.0946518	0.17909189	3.1171098	21	10 22.1	20.4
359579 2010 TM_{187}	16.2	X	7.88080	172.24909	165.78739	12.08529	0.0775800	0.17641407	3.1485740	21	9 29.6	20.2
359580 2010 TE_{188}	15.8	X	83.65091	314.56798	3.28229	11.53497	0.1788560	0.19067871	2.9895185	21	12 22.5	20.6
359581 2010 UA_{16}	15.7	X	8.21846	327.75970	42.47321	10.54986	0.0967301	0.18054603	3.1003502	21	11 10.1	19.7
359582 2010 UX_{20}	16.2	X	79.09175	309.98271	33.55489	12.41828	0.0690333	0.19339698	2.9614399	21	—	—
359583 2010 UQ_{41}	15.9	X	58.65068	304.12146	29.27628	10.00965	0.0804139	0.18513613	3.0488913	21	11 29.4	20.3
359584 2010 UA_{46}	15.2	X	74.80924	59.09520	234.49071	21.73422	0.1357518	0.18015692	3.1048128	21	11 8.2	19.8
359585 2010 UA_{47}	13.9	X	279.09399	89.83956	17.91099	8.42564	0.2250122	0.08409471	5.1596897	21	10 2.4	20.7
359586 2010 UA_{53}	16.0	X	43.18937	325.09499	12.62821	7.21228	0.1225164	0.18210263	3.0826572	21	11 20.9	20.3
359587 2010 UN_{62}	16.1	X	202.36936	260.81790	25.74702	25.27861	0.1345949	0.21069175	2.7970766	21	—	—
359588 2010 UE_{85}	15.9	X	6.02387	163.04699	169.93063	4.41955	0.1579177	0.17396571	3.1780467	21	9 24.2	19.4
359589 2010 UB_{95}	15.4	X	328.43618	351.88571	46.73292	10.17633	0.0703406	0.17459818	3.1703673	21	10 18.9	19.5
359590 2010 UA_{98}	15.6	X	69.72975	6.25795	340.70581	10.32030	0.0895066	0.19076870	2.9885782	21	—	—
359591 2010 UT_{107}	15.8	X	13.84320	295.31097	52.04042	10.41044	0.1093988	0.17460436	3.1702925	21	10 23.6	19.8
359592 2010 VA_{1}	19.8	X	53.43145	54.88259	207.13840	11.74807	0.2323736	0.62998928	1.3476608	21	11 18.9	20.4
359593 2010 VD_{59}	15.7	X	43.64681	340.83872	327.62030	8.68695	0.0264695	0.17286669	3.1915024	21	9 30.2	20.3
359594 2010 VF_{86}	13.9	X	324.89018	359.09408	77.31882	8.63471	0.0968183	0.08405258	5.1614137	21	11 11.1	20.4
359595 2010 VJ_{104}	15.4	X	337.60787	310.27069	60.83951	7.22236	0.1172767	0.17076515	3.2176333	21	9 26.9	19.3
359596 2010 VW_{116}	16.2	X	84.47663	315.21382	18.43945	6.06847	0.2283879	0.19231021	2.9725864	21	—	—
359597 2010 VN_{131}	16.2	X	25.24407	198.42431	168.62930	6.40056	0.1375496	0.18380995	3.0635387	21	12 7.8	20.2
359598 2010 VT_{152}	14.1	X	260.66621	72.18793	63.18682	26.83717	0.1239787	0.08251073	5.2255151	21	11 1.8	21.2
359599 2010 VG_{164}	16.6	X	282.50059	56.11996	255.30293	3.71628	0.3304591	0.23941186	2.5686540	21	3 14.5	20.9
359600 2010 VU_{194}	15.7	X	126.92658	298.90428	347.25197	9.30076	0.1292627	0.18804611	3.0173555	21	12 21.8	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
359601 2010 VF_{207}	15.3	X	89.53732	355.42267	259.38528	5.51898	0.0865257	0.17074654	3.2178671	21	9 29.5	20.1
359602 2010 VX_{210}	15.5	X	126.99799	203.88085	37.95167	17.52597	0.1718839	0.17686121	3.1432650	21	11 1.1	20.7
359603 2010 WU_{5}	13.9	X	310.72929	39.88250	39.26598	8.90740	0.1419292	0.08290433	5.2089624	21	10 21.2	20.3
359604 2010 WZ_{9}	14.3	X	304.58889	87.11212	355.19273	6.28462	0.2049862	0.08298605	5.2055426	21	10 6.5	20.6
359605 2010 WG_{13}	14.1	X	279.94269	179.95703	79.34613	6.97749	0.1395961	0.12570386	3.9467260	21	2 17.6	19.9
359606 2010 WV_{63}	13.9	X	318.80436	359.79667	78.33015	11.12413	0.1104381	0.08271348	5.2169721	21	11 4.9	20.4
359607 2010 WD_{64}	13.9	X	306.48333	354.49502	101.52030	4.99210	0.0975598	0.08331433	5.1918594	21	11 8.6	20.5
359608 2010 WQ_{72}	15.1	X	11.26684	297.48909	256.86716	2.81470	0.1442084	0.12372689	3.9886565	21	4 2.8	20.0
359609 2010 WP_{74}	15.6	X	309.75039	17.71419	56.51791	12.66752	0.0572307	0.18114384	3.0935253	21	11 7.1	19.7
359610 2010 XG_{39}	13.8	X	319.52162	142.29928	306.33741	8.63132	0.1939964	0.08245852	5.2277205	21	11 3.9	20.0
359611 2010 XP_{88}	16.8	X	234.25613	181.06342	199.83130	3.18595	0.1219980	0.23994106	2.5648758	21	5 16.1	20.5
359612 2011 BK_{78}	15.6	X	352.11166	220.24903	146.01728	11.20582	0.0668547	0.17935065	3.1141109	21	10 14.6	19.8
359613 2011 BH_{153}	16.0	X	16.57710	353.83157	4.93184	9.99467	0.0562878	0.18096424	3.0955718	21	11 1.2	20.3
359614 2011 GK_{3}	13.4	X	348.95272	273.99510	121.56789	10.52500	0.0460937	0.08092443	5.2935818	21	10 31.1	20.3
359615 2011 JR_{3}	17.3	X	240.64820	213.29995	145.99979	24.18231	0.1263365	0.37425391	1.9070342	21	4 20.8	20.3
359616 2011 JA_{11}	13.1	X	253.09494	118.04918	251.95132	20.22233	0.1032858	0.08413498	5.1580435	21	5 31.1	20.1
359617 2011 OQ_{13}	16.9	X	81.09482	195.08738	222.81366	3.49493	0.2922411	0.24174081	2.5521296	21	1 30.0	19.3
359618 2011 OY_{18}	17.3	X	111.22845	324.68429	112.38685	24.33301	0.1059018	0.36385057	1.9432142	21	2 24.7	19.3
359619 2011 OC_{23}	17.2	X	137.05782	274.68374	81.67933	5.47609	0.2673299	0.24346484	2.5400673	21	1 22.4	21.0
359620 2011 OR_{49}	16.4	X	108.56313	14.31351	34.22117	8.96577	0.2612940	0.24471780	2.5313897	21	2 28.2	19.8
359621 2011 OS_{59}	16.5	X	120.58838	201.30095	54.12346	9.62169	0.1054872	0.21755507	2.7379357	21	11 12.8	20.5
359622 2011 PZ_{8}	17.8	X	218.68920	154.41088	319.63748	5.16819	0.0675823	0.29553016	2.2322090	21	9 7.1	20.6
359623 2011 QW_{9}	17.5	X	326.20867	85.19667	316.75575	7.31608	0.1242496	0.30496628	2.1859229	21	11 8.4	19.4
359624 2011 QR_{12}	17.3	X	5.90576	205.96388	317.23444	17.06585	0.0516596	0.35380025	1.9798424	21	—	—
359625 2011 QU_{13}	16.8	X	72.51264	249.03164	169.12583	29.79367	0.3075074	0.23310573	2.6147735	21	1 18.1	19.7
359626 2011 QL_{16}	16.2	X	65.26689	243.24883	144.83773	13.86525	0.2896521	0.22522729	2.6753999	21	—	—
359627 2011 QP_{18}	17.2	X	209.53642	181.42485	231.07686	6.02363	0.1005159	0.27505717	2.3416433	21	5 30.5	20.5
359628 2011 QW_{19}	17.6	X	141.96665	228.13728	204.54249	2.62313	0.1807839	0.25864845	2.4396608	21	4 20.9	21.2
359629 2011 QX_{20}	18.0	X	229.81858	128.80970	263.02662	1.91288	0.1606440	0.27413451	2.3468946	21	5 20.6	21.5
359630 2011 QY_{28}	17.5	X	70.33545	250.54311	172.05208	11.57601	0.2027158	0.23541942	2.5976134	21	1 3.3	20.2
359631 2011 QU_{42}	17.6	X	177.01358	226.87204	224.31319	6.91786	0.1747506	0.27595671	2.3365518	21	6 16.6	21.3
359632 2011 QK_{47}	17.6	X	25.18690	318.17643	19.68209	6.30399	0.1391291	0.30137431	2.2032574	21	11 22.2	19.9
359633 2011 QB_{49}	17.2	X	236.81424	225.29225	138.76482	6.56267	0.1192111	0.26904883	2.3763768	21	4 27.3	20.7
359634 2011 QX_{60}	18.0	X	2.20673	118.74741	215.82883	5.41255	0.1642688	0.29871346	2.2163220	21	10 10.4	19.7
359635 2011 QB_{61}	17.5	X	158.19256	164.31562	310.65974	6.05205	0.0652435	0.27823838	2.3237605	21	6 25.2	20.5
359636 2011 QM_{62}	17.7	X	224.89597	135.42989	336.40747	5.70944	0.0927360	0.29510309	2.2343620	21	9 9.5	20.5
359637 2011 QP_{66}	16.9	X	181.31450	173.98626	196.61997	6.40541	0.1811843	0.25697747	2.4502253	21	3 9.7	20.8
359638 2011 QO_{67}	17.4	X	36.52285	339.60645	331.34930	4.43729	0.1917582	0.30515932	2.1850009	21	11 9.7	19.9
359639 2011 QD_{68}	17.4	X	315.80462	159.27972	188.23419	8.04696	0.1711495	0.28800465	2.2709264	21	7 10.9	19.6
359640 2011 QF_{70}	17.3	X	180.30257	338.46028	351.91896	18.09689	0.0878305	0.34857834	1.9995662	21	—	—
359641 2011 QU_{72}	17.7	X	278.71196	47.05332	321.21385	7.32550	0.2247458	0.28152267	2.3056522	21	6 2.9	20.9
359642 2011 QV_{91}	17.6	X	227.75784	209.65879	225.06407	5.06918	0.1448520	0.28360386	2.2943586	21	7 15.8	20.8
359643 2011 RD_{2}	18.0	X	238.80798	224.95260	175.85400	3.43525	0.1154382	0.27814979	2.3242538	21	6 15.9	21.1
359644 2011 RO_{11}	17.3	X	198.91869	107.92565	283.41017	1.18842	0.1770606	0.26303986	2.4124316	21	4 20.4	21.1
359645 2011 RQ_{12}	17.4	X	335.97485	29.57106	4.45313	4.95869	0.1271868	0.30199002	2.2002616	21	11 17.1	19.2
359646 2011 RF_{13}	18.3	X	171.33575	89.94611	332.42770	2.88567	0.1586258	0.26422642	2.4052038	21	5 3.3	22.1
359647 2011 RJ_{18}	18.0	X	307.52226	28.18008	28.07808	4.57704	0.0708819	0.30059678	2.2070551	21	10 29.4	20.1
359648 2011 SQ	17.3	X	45.32905	88.42695	334.19910	6.40482	0.1951940	0.22778130	2.6553636	21	—	—
359649 2011 SN_{3}	17.3	X	257.41924	79.27355	297.22308	5.81010	0.1136919	0.27902620	2.3193844	21	6 4.2	20.5
359650 2011 ST_{4}	17.4	X	252.54121	48.73873	329.36790	6.11462	0.1829639	0.27618565	2.3352604	21	5 22.3	21.0
359651 2011 SU_{4}	17.6	X	297.30990	128.87023	204.36483	6.00658	0.1482912	0.27948627	2.3168383	21	5 23.5	20.3
359652 2011 SM_{11}	17.3	X	249.61417	31.89256	326.29798	6.20148	0.1332010	0.27005923	2.3704458	21	4 26.5	20.8
359653 2011 ST_{28}	16.2	X	65.34831	88.71192	351.22989	12.51419	0.1795874	0.23250097	2.6193058	21	1 21.8	19.0
359654 2011 SO_{35}	17.1	X	260.60694	49.83527	26.67758	7.58190	0.0604531	0.28956424	2.2627649	21	9 16.6	19.7
359655 2011 SR_{35}	17.5	X	19.17525	179.50748	176.31464	5.79505	0.1854480	0.30438109	2.1887237	21	12 19.2	19.9
359656 2011 SA_{36}	15.9	X	272.77151	37.81661	21.11026	12.90291	0.3157513	0.18282400	3.0745430	21	7 26.8	20.7
359657 2011 ST_{49}	17.5	X	359.90815	258.61820	127.46644	3.62954	0.1875267	0.30512200	2.1851791	21	—	—
359658 2011 SV_{53}	18.0	X	67.64315	322.81212	134.01045	2.87699	0.1829558	0.23912306	2.5707218	21	2 13.9	20.6
359659 2011 SP_{54}	17.5	X	145.66507	165.79683	54.14599	4.89879	0.0856990	0.30110436	2.2045740	21	11 5.1	20.3
359660 2011 SV_{63}	17.0	X	245.95329	238.71413	169.88549	10.25545	0.1752784	0.27537957	2.3398153	21	6 27.9	20.5
359661 2011 SO_{67}	17.2	X	238.99000	55.25300	291.11377	3.98536	0.2315437	0.26330829	2.4107917	21	3 26.6	21.4
359662 2011 SQ_{76}	16.9	X	48.86257	161.95640	349.13722	6.22682	0.0790475	0.25575184	2.4580471	21	3 15.2	19.6
359663 2011 SW_{82}	15.6	X	243.89127	229.69815	196.89987	11.26224	0.0644787	0.17762446	3.1342541	21	7 28.9	20.3
359664 2011 SW_{87}	17.5	X	174.15608	31.93066	329.12954	3.64692	0.1293267	0.24717978	2.5145528	21	2 18.6	21.2
359665 2011 SF_{88}	16.9	X	119.48048	9.97925	5.72750	11.97919	0.1886771	0.23482739	2.6019776	21	1 21.2	20.6
359666 2011 SN_{91}	16.6	X	122.78959	24.14038	356.45581	5.93793	0.1594658	0.23535538	2.5980847	21	1 25.1	20.2
359667 2011 SU_{92}	17.5	X	76.32254	74.81970	325.92575	2.60931	0.2386929	0.22793916	2.6541375	21	—	—
359668 2011 SW_{104}	17.2	X	69.47364	85.15658	4.14953	14.64424	0.0565719	0.23747950	2.5825692	21	1 29.7	20.6
359669 2011 SP_{105}	17.0	X	39.05278	129.36202	269.22419	4.98949	0.2001795	0.21550568	2.7552662	21	—	—
359670 2011 SJ_{106}	15.6	X	317.96039	115.46774	301.53596	10.14691	0.0990321	0.19177387	2.9781261	21	10 20.4	19.5
359671 2011 SO_{107}	17.4	X	180.88097	346.61772	56.06382	2.13691	0.1774214	0.26091832	2.4254910	21	4 19.6	21.2
359672 2011 SQ_{107}	17.0	X	70.89375	238.94545	187.67895	6.48785	0.2966216	0.23146824	2.6270909	21	1 25.2	19.4
359673 2011 SL_{114}	17.0	X	229.69129	294.30090	64.88721	5.72113	0.1723425	0.26332845	2.4106687	21	4 10.6	20.8
359674 2011 SL_{115}	16.7	X	27.37098	221.45164	180.88702	6.24517	0.1344312	0.21702938	2.7423551	21	—	—
359675 2011 SE_{117}	15.7	X	228.51738	87.10112	14.57115	16.31155	0.2031284	0.17971828	3.1098627	21	8 20.8	20.9
359676 2011 SJ_{119}	17.0	X	203.57264	268.79124	157.46268	11.66773	0.1405638	0.27063180	2.3671012	21	6 11.5	20.8
359677 2011 SA_{123}	17.1	X	350.23378	332.65724	45.83719	7.70684	0.0736640	0.29783970	2.2206545	21	11 15.1	19.1
359678 2011 ST_{125}	16.8	X	67.38608	159.22015	194.64247	3.41633	0.1071373	0.21217374	2.7840368	21	—	—
359679 2011 SX_{128}	18.0	X	141.96287	87.15069	130.55454	2.92559	0.0888911	0.29831476	2.2182963	21	10 29.5	21.0
359680 2011 SY_{132}	16.9	X	350.15953	300.96330	188.19367	11.12142	0.1278083	0.22550271	2.6732211	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
359681 2011 SJ_{142}	17.4	X	155.15967	350.76717	14.94595	6.02605	0.1433455	0.24288724	2.5440926	21	2 9.1	21.2
359682 2011 SE_{144}	17.7	X	211.06323	261.86292	164.45415	6.02715	0.1760520	0.27283179	2.3543593	21	6 16.5	21.4
359683 2011 SK_{144}	17.1	X	206.82341	207.47933	173.08657	7.30477	0.0915096	0.26289315	2.4133290	21	4 17.0	20.5
359684 2011 SC_{154}	17.6	X	78.59911	285.56356	126.00153	0.77849	0.0891338	0.23422804	2.6064144	21	—	—
359685 2011 SN_{163}	18.1	X	341.53573	3.97694	343.23185	7.33425	0.1164003	0.29073599	2.2566811	21	9 11.5	20.0
359686 2011 SR_{163}	18.3	X	114.10013	310.80541	315.66788	5.18174	0.1040844	0.30651629	2.1785474	21	12 1.8	21.5
359687 2011 SW_{171}	17.2	X	23.84828	131.09903	318.14918	1.67576	0.0379099	0.22390706	2.6859063	21	—	—
359688 2011 SH_{172}	17.0	X	47.71722	89.05208	324.20265	1.64742	0.1882617	0.21998993	2.7176959	21	—	—
359689 2011 SY_{172}	15.6	X	139.10929	318.04932	215.93536	9.16262	0.0351146	0.17797818	3.1301000	21	8 12.1	20.4
359690 2011 SN_{179}	17.0	X	48.98203	17.03379	353.34586	3.68643	0.1116081	0.21275833	2.7789346	21	—	—
359691 2011 SQ_{182}	16.3	X	344.40823	39.32026	17.23259	15.15663	0.1321391	0.20413508	2.8566538	21	12 7.6	19.9
359692 2011 SB_{183}	17.0	X	24.07049	73.35574	344.60009	3.12414	0.1044549	0.21586407	2.7522158	21	—	—
359693 2011 SL_{184}	16.7	X	85.99655	313.29311	67.24381	5.47780	0.1138423	0.22401501	2.6850434	21	—	—
359694 2011 SC_{185}	17.3	X	94.36417	326.49704	109.95345	4.34632	0.0708311	0.24036053	2.5618908	21	2 13.8	20.5
359695 2011 ST_{205}	17.1	X	283.03197	245.50679	181.88772	6.83426	0.0697276	0.29320007	2.2440197	21	10 4.5	19.2
359696 2011 SD_{210}	16.7	X	100.64884	195.93718	163.67153	14.88680	0.1388569	0.22603029	2.6690597	21	—	—
359697 2011 SX_{211}	17.7	X	267.27001	22.11805	336.54471	1.10206	0.2004224	0.27369612	2.3493999	21	5 11.6	21.0
359698 2011 SG_{215}	17.3	X	213.68647	44.61823	22.20433	5.11470	0.1026579	0.27032130	2.3689135	21	6 23.6	20.8
359699 2011 SX_{218}	17.6	X	289.72191	230.39666	167.17190	10.75459	0.2003488	0.28715234	2.2754178	21	8 5.2	20.0
359700 2011 SX_{222}	16.4	X	84.89387	205.86648	162.01665	15.42083	0.1522929	0.22712182	2.6605013	21	—	—
359701 2011 SS_{228}	17.6	X	93.70081	322.64916	300.09210	4.51833	0.1818977	0.30189824	2.2007075	21	11 9.5	20.9
359702 2011 SB_{233}	16.8	X	160.73174	33.72029	306.54807	7.97364	0.1738506	0.23789423	2.5795668	21	1 16.6	20.6
359703 2011 SB_{249}	16.9	X	254.72697	20.26941	22.55144	0.86907	0.1727770	0.17824409	3.1269862	21	7 1.1	21.6
359704 2011 SP_{249}	16.6	X	31.93438	315.42794	77.41065	9.18809	0.1551491	0.21275740	2.7789427	21	—	—
359705 2011 SX_{250}	15.7	X	301.02031	93.93353	282.82528	10.21724	0.1508138	0.18013779	3.1050326	21	7 28.1	19.7
359706 2011 SL_{257}	17.9	X	153.94090	324.23665	180.47745	4.26464	0.0916057	0.28036497	2.3119950	21	7 31.6	21.2
359707 2011 SU_{272}	16.6	X	19.16556	79.13373	322.87000	10.91470	0.1487551	0.21622337	2.7491659	21	—	—
359708 2011 SP_{274}	17.5	X	248.33838	82.95252	13.81763	6.62544	0.0769462	0.29550849	2.2323181	21	9 24.2	19.9
359709 2011 TS_{3}	16.7	X	266.63572	75.52273	10.89597	12.06663	0.1382222	0.18828116	3.0148437	21	9 16.0	20.8
359710 2011 TE_{4}	18.0	X	23.57390	67.56540	278.93513	2.94359	0.1401715	0.30315270	2.1946322	21	12 4.1	20.1
359711 2011 TX_{5}	15.8	X	313.47476	225.41442	201.34268	9.88900	0.1184562	0.19219739	2.9737496	21	10 30.7	19.4
359712 2011 TJ_{8}	17.1	X	261.18038	280.14839	7.50697	19.91270	0.0766216	0.35359475	1.9806094	21	2 9.4	19.9
359713 2011 TV_{9}	17.1	X	240.73239	339.09952	45.21085	6.03313	0.2638289	0.27215297	2.3582725	21	5 13.8	21.1
359714 2011 TT_{11}	17.7	X	304.30469	309.83386	97.66382	5.97725	0.1201774	0.29551926	2.2322638	21	10 8.7	19.7
359715 2011 TD_{16}	16.4	X	277.98054	187.62304	35.78150	15.20533	0.0580249	0.22667092	2.6640284	21	—	—
359716 2011 TE_{16}	16.0	X	205.42796	135.19101	358.80867	5.27580	0.0836741	0.17854197	3.1235071	21	9 9.2	20.7
359717 2011 UO_{1}	15.4	X	143.61232	301.28517	223.25680	17.24994	0.0643628	0.17645116	3.1481327	21	8 4.6	20.4
359718 2011 UD_{3}	16.8	X	68.74228	8.87257	35.65639	4.95111	0.1889719	0.22508784	2.6765048	21	—	—
359719 2011 UV_{5}	16.8	X	98.13697	209.09958	206.02435	3.13536	0.1179073	0.23356396	2.6113525	21	1 28.3	20.0
359720 2011 UN_{6}	16.7	X	6.27610	62.48019	225.41134	7.60251	0.0323884	0.27460139	2.3442337	21	7 20.2	19.5
359721 2011 UK_{9}	16.5	X	312.23955	299.93908	218.73440	8.65237	0.1282694	0.21759145	2.7376305	21	—	—
359722 2011 UG_{12}	16.5	X	191.31186	263.75868	99.04023	9.21402	0.2566571	0.25437299	2.4669218	21	3 16.9	21.0
359723 2011 UL_{13}	16.6	X	16.78598	8.43133	46.73607	4.90965	0.1975121	0.21160508	2.7890223	21	—	—
359724 2011 UH_{24}	17.1	X	277.66835	87.52091	233.80668	4.81864	0.2539045	0.26779353	2.3837973	21	3 27.5	20.7
359725 2011 UE_{25}	16.9	X	29.62842	32.21952	25.13649	4.13522	0.0947297	0.21644137	2.7473197	21	—	—
359726 2011 UD_{28}	16.5	X	23.06575	59.93180	6.45429	8.08888	0.1298403	0.21488952	2.7605305	21	—	—
359727 2011 UU_{28}	16.4	X	71.72230	52.46416	27.46694	13.98858	0.1209206	0.23188186	2.6239660	21	1 28.1	19.7
359728 2011 UT_{29}	17.7	X	260.62525	51.18303	119.53364	1.23139	0.0580206	0.31082336	2.1583752	21	—	—
359729 2011 UQ_{30}	15.3	X	183.31158	288.25910	228.41005	16.05749	0.1068562	0.17971726	3.1098745	21	9 6.4	20.5
359730 2011 UA_{31}	17.1	X	355.11147	56.57776	72.98009	3.66770	0.1296498	0.22106361	2.7088890	21	—	—
359731 2011 UY_{36}	17.1	X	50.71521	256.75272	167.85621	1.88397	0.0597069	0.22138758	2.7062457	21	—	—
359732 2011 UG_{37}	16.6	X	37.25452	340.91905	64.33379	5.35450	0.0641097	0.21259219	2.7803823	21	—	—
359733 2011 UY_{37}	17.1	X	52.98467	9.66069	253.78930	5.74464	0.1523273	0.28309291	2.2971184	21	9 14.6	19.8
359734 2011 UU_{39}	17.4	X	56.95939	68.23207	351.83382	1.42201	0.1335464	0.22681148	2.6629276	21	—	—
359735 2011 UP_{45}	17.3	X	24.38618	42.47848	162.64530	14.77984	0.0982626	0.25853144	2.4403969	21	4 26.3	20.1
359736 2011 UJ_{49}	16.7	X	165.91417	83.44091	220.60055	5.21300	0.0196240	0.22332873	2.6905412	21	—	—
359737 2011 UR_{50}	16.9	X	34.38871	2.18107	64.64004	4.39669	0.0596966	0.21901188	2.7257809	21	—	—
359738 2011 UU_{50}	16.7	X	40.71771	323.11042	133.14270	2.23327	0.0732255	0.22798170	2.6538073	21	—	—
359739 2011 UN_{51}	17.2	X	44.17595	295.36404	171.62782	2.88462	0.0713550	0.23115680	2.6294501	21	1 11.3	20.3
359740 2011 UR_{51}	16.8	X	86.34993	231.46243	198.11924	7.56791	0.1002941	0.23410722	2.6073110	21	1 26.3	20.0
359741 2011 UE_{54}	15.7	X	225.00272	237.49090	231.62159	16.50349	0.1303610	0.17754775	3.1351568	21	8 18.7	20.9
359742 2011 UN_{56}	16.4	X	327.81338	271.50780	243.90137	6.48642	0.1452506	0.22005111	2.7171921	21	—	—
359743 2011 UA_{58}	17.9	X	127.87900	164.78394	62.10727	4.80043	0.0990919	0.29443672	2.2377320	21	10 25.8	20.9
359744 2011 UN_{61}	17.2	X	73.02837	332.44085	113.25165	2.05337	0.0931733	0.23090188	2.6313850	21	1 29.9	20.2
359745 2011 UM_{70}	17.2	X	212.11574	255.96230	199.37131	6.16828	0.0666146	0.28268302	2.2993384	21	8 1.5	20.4
359746 2011 UO_{70}	17.1	X	100.18228	222.65046	199.37059	13.09434	0.1484536	0.23782477	2.5800690	21	2 10.2	20.6
359747 2011 UV_{73}	17.4	X	145.98008	239.76013	130.38245	0.70263	0.1463093	0.23729136	2.5839341	21	2 3.8	21.2
359748 2011 UV_{78}	16.5	X	282.53736	41.66354	20.83768	8.58331	0.1889985	0.18480600	3.0525211	21	8 30.3	20.6
359749 2011 UQ_{80}	16.9	X	121.18796	155.53131	227.08868	2.20332	0.1927158	0.23391838	2.6087141	21	1 28.3	20.4
359750 2011 UT_{83}	16.6	X	328.89020	108.72358	4.28948	4.21013	0.0214239	0.21158256	2.7892203	21	—	—
359751 2011 UR_{85}	17.2	X	221.72301	242.69993	148.87258	5.19537	0.2374438	0.26695368	2.3887944	21	5 11.0	21.2
359752 2011 UP_{89}	16.8	X	116.65965	22.15572	8.35450	2.61104	0.1292962	0.23155105	2.6264645	21	1 25.5	20.3
359753 2011 UT_{89}	16.3	X	261.73486	50.15842	40.39234	10.29775	0.0960167	0.18372304	3.0645048	21	9 22.6	20.7
359754 2011 UQ_{92}	17.5	X	103.19897	160.10500	219.87043	0.81528	0.0843313	0.23048616	2.6345482	21	—	—
359755 2011 UZ_{92}	16.5	X	53.16490	324.19563	212.52285	13.56294	0.2133651	0.25622460	2.4550226	21	5 19.4	18.8
359756 2011 US_{98}	16.8	X	315.56603	7.45583	272.05169	5.50101	0.1310722	0.26250062	2.4157343	21	4 3.8	19.9
359757 2011 UB_{99}	15.4	X	206.62944	219.16166	238.69962	14.19260	0.1490401	0.17125793	3.2114581	21	7 19.4	20.8
359758 2011 UL_{99}	16.1	X	302.59487	357.16344	32.45153	9.65911	0.1427975	0.18317597	3.0706033	21	8 24.7	20.1
359759 2011 UN_{99}	17.1	X	64.19207	58.63698	346.19118	2.56972	0.1042444	0.22137150	2.7063767	21	—	—
359760 2011 UW_{102}	15.8	X	339.99473	163.95091	210.60489	10.84073	0.1874546	0.19069134	2.9893865	21	10 2.0	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
359761 2011 UE_{105}	17.2	X	22.28124	231.03816	44.55052	7.05565	0.1336635	0.27444845	2.3451045	21	8 13.7	19.5
359762 2011 UF_{108}	16.5	X	118.96971	195.51835	187.72296	14.04297	0.2538460	0.23505787	2.6002764	21	2 1.4	20.4
359763 2011 UA_{113}	16.7	X	224.97027	343.97580	55.57268	8.40276	0.1137078	0.26478332	2.4018302	21	5 29.0	20.1
359764 2011 UP_{113}	16.9	X	245.03877	334.77892	107.82246	2.57495	0.1430016	0.17700351	3.1415801	21	8 13.2	21.7
359765 2011 UQ_{116}	17.2	X	151.66968	53.28591	294.18064	2.81131	0.1010250	0.23490136	2.6014313	21	1 8.2	20.7
359766 2011 UH_{122}	17.4	X	189.59334	84.48184	54.61348	5.66695	0.0240712	0.29103248	2.2551481	21	9 12.9	20.2
359767 2011 UV_{122}	17.0	X	130.16450	128.19696	202.64565	6.23334	0.0473267	0.22453076	2.6809301	21	—	—
359768 2011 UH_{126}	17.5	X	35.98346	45.11104	282.45794	4.83495	0.1659370	0.30011841	2.2093997	21	11 28.5	20.0
359769 2011 UP_{126}	17.2	X	192.14865	54.10716	274.37723	4.65901	0.1886319	0.24230838	2.5481428	21	1 29.6	21.4
359770 2011 UZ_{126}	16.7	X	347.86537	233.56168	237.71174	5.20944	0.0784446	0.21602289	2.7508667	21	—	—
359771 2011 UV_{127}	16.6	X	105.92672	199.52341	179.59754	6.29534	0.0465559	0.22514669	2.6760384	21	—	—
359772 2011 UH_{133}	17.8	X	124.75642	349.11785	354.12763	3.73688	0.1591779	0.32706852	2.0863006	21	—	—
359773 2011 US_{134}	17.6	X	308.12508	172.69700	179.36690	3.08316	0.1141827	0.28058344	2.3107947	21	7 13.9	20.1
359774 2011 UC_{135}	16.2	X	320.74394	314.63151	248.69893	10.62415	0.0859454	0.23363299	2.6108381	21	1 12.2	19.8
359775 2011 UK_{137}	15.6	X	210.92167	240.29203	230.41287	11.27216	0.0821374	0.17869352	3.1217409	21	8 12.2	20.6
359776 2011 UM_{139}	16.8	X	18.79432	204.56679	228.20976	5.52652	0.0464214	0.21437980	2.7649045	21	—	—
359777 2011 UX_{140}	15.9	X	336.20023	110.34954	246.84088	7.77337	0.1528098	0.18480363	3.0525472	21	8 28.8	19.5
359778 2011 UH_{142}	16.4	X	290.93366	261.07807	149.94219	5.90578	0.1366855	0.18653277	3.0336534	21	9 1.1	20.4
359779 2011 UR_{145}	16.9	X	66.80141	13.59514	35.33739	5.76283	0.1113873	0.22061015	2.7125998	21	—	—
359780 2011 UP_{146}	16.9	X	42.14986	20.51396	40.67661	3.93533	0.1874157	0.21631799	2.7483642	21	—	—
359781 2011 UM_{148}	15.9	X	284.57154	155.06939	227.94335	10.04944	0.0560782	0.17702427	3.1413344	21	7 25.5	20.4
359782 2011 UC_{159}	16.4	X	354.18692	297.17392	141.70659	5.33052	0.0437606	0.21366074	2.7711044	21	—	—
359783 2011 UZ_{159}	15.7	X	337.33055	62.60783	291.40404	8.45596	0.0556799	0.18198224	3.0840167	21	8 30.8	19.9
359784 2011 UR_{160}	16.8	X	107.08816	345.89843	57.01288	3.66147	0.1240968	0.23088453	2.6315168	21	1 28.5	20.1
359785 2011 UT_{160}	15.6	X	222.51887	87.68057	54.81865	10.20156	0.0587690	0.18670438	3.0317942	21	10 14.6	20.0
359786 2011 UM_{163}	17.0	X	297.20057	25.99045	269.74798	5.68361	0.1329724	0.25746179	2.4471515	21	3 31.8	20.3
359787 2011 UW_{163}	17.0	X	38.10624	81.74412	328.37240	2.98568	0.0522949	0.21142384	2.7906160	21	—	—
359788 2011 UK_{183}	16.6	X	103.10812	35.60329	47.89642	4.72993	0.0824154	0.23873449	2.5735105	21	3 10.7	19.9
359789 2011 UP_{183}	16.8	X	117.15966	100.30388	260.18059	5.31018	0.0460158	0.22076695	2.7113152	21	—	—
359790 2011 UO_{185}	15.8	X	299.51882	314.48189	112.31941	11.78172	0.1306005	0.19050415	2.9913445	21	10 12.0	19.7
359791 2011 UA_{186}	17.0	X	112.11145	45.00353	112.68859	6.55589	0.0782587	0.26560910	2.3968494	21	6 27.8	20.0
359792 2011 UD_{191}	16.9	X	96.38260	277.66445	128.54231	1.44180	0.0142822	0.22884589	2.6471221	21	1 2.3	20.4
359793 2011 UV_{193}	16.8	X	75.14705	176.84490	207.57964	4.80034	0.0801666	0.22289441	2.6940352	21	—	—
359794 2011 UF_{198}	16.9	X	91.07246	216.39243	178.23796	0.88426	0.0938339	0.22608849	2.6686017	21	—	—
359795 2011 UE_{200}	16.7	X	79.09741	97.84464	291.34565	5.21645	0.0653198	0.21829165	2.7317732	21	—	—
359796 2011 UB_{202}	17.0	X	86.08744	6.53492	214.76111	7.93188	0.1386721	0.27406984	2.3472637	21	8 28.2	20.2
359797 2011 UN_{203}	15.4	X	217.59026	260.75986	228.55336	15.08962	0.0726523	0.18134815	3.0912014	21	9 11.8	20.3
359798 2011 UE_{211}	17.7	X	63.31886	237.27350	329.28298	3.91737	0.0922940	0.27062039	2.3671678	21	6 30.7	20.4
359799 2011 UG_{238}	17.3	X	5.95834	180.30259	266.59258	3.13526	0.0368009	0.21536315	2.7564817	21	—	—
359800 2011 UM_{238}	17.3	X	334.29818	243.30717	39.16472	8.38112	0.0373583	0.26338617	2.4103165	21	5 23.1	20.2
359801 2011 UF_{241}	17.6	X	290.38416	140.63397	222.17435	3.57892	0.1230111	0.27942611	2.3171709	21	6 29.3	20.2
359802 2011 UC_{244}	16.8	X	113.38908	117.24190	236.19395	5.28831	0.0502549	0.21984656	2.7188773	21	—	—
359803 2011 UJ_{245}	17.2	X	64.74614	204.40742	37.09279	4.04333	0.0325643	0.27848208	2.3224046	21	8 15.9	19.9
359804 2011 UR_{247}	17.2	X	118.06573	36.41857	221.96141	4.69251	0.1633020	0.29745473	2.2225701	21	11 27.3	20.5
359805 2011 UU_{249}	16.3	X	288.75084	7.07494	58.88935	3.74792	0.0830765	0.18554450	3.0444160	21	9 26.5	20.3
359806 2011 US_{251}	17.0	X	273.92157	300.76433	167.00023	3.31764	0.1895621	0.18977781	2.9989721	21	10 13.3	20.8
359807 2011 UZ_{251}	17.3	X	292.62681	265.63937	118.22178	3.15994	0.1719378	0.28016656	2.3130864	21	7 26.9	19.5
359808 2011 UC_{252}	17.0	X	14.67471	332.84194	199.59690	5.91419	0.0947922	0.23677015	2.5877248	21	2 18.2	19.9
359809 2011 UA_{259}	17.2	X	327.77101	201.92624	311.82271	3.11204	0.0481577	0.22241376	2.6979151	21	—	—
359810 2011 UJ_{263}	17.6	X	270.73792	281.34915	55.36099	2.32064	0.1519276	0.26202218	2.4186740	21	4 23.6	21.0
359811 2011 UZ_{263}	16.3	X	51.71545	6.24477	76.00850	14.32121	0.1377138	0.22693243	2.6619814	21	—	—
359812 2011 UZ_{264}	16.8	X	15.46726	163.67413	320.69047	4.97333	0.1076575	0.22924683	2.6440348	21	—	—
359813 2011 UC_{266}	16.6	X	128.84543	135.29901	226.44816	5.20929	0.0661461	0.22607891	2.6686770	21	—	—
359814 2011 UA_{267}	16.3	X	117.12658	251.96951	109.35570	13.02708	0.0961598	0.22717251	2.6601055	21	—	—
359815 2011 UM_{275}	17.0	X	110.57973	341.45432	251.04066	5.65868	0.0645431	0.28913115	2.2650239	21	10 6.2	20.0
359816 2011 UO_{279}	15.9	X	285.60693	341.99990	56.75575	9.91315	0.0760941	0.17618419	3.1513122	21	8 21.2	20.3
359817 2011 UH_{280}	16.8	X	16.33328	197.21537	279.67797	2.67514	0.0301426	0.22321952	2.6914187	21	—	—
359818 2011 UW_{280}	16.1	X	276.17543	89.28093	298.93286	9.52854	0.1884645	0.17621144	3.1509872	21	7 5.6	20.5
359819 2011 UY_{281}	16.8	X	153.81792	281.23250	24.68781	13.44815	0.1345849	0.22365946	2.6878882	21	—	—
359820 2011 UA_{290}	17.3	X	313.44437	220.77040	125.42627	7.46648	0.1329181	0.28201075	2.3029912	21	7 11.7	19.6
359821 2011 UP_{293}	17.4	X	115.39468	305.06505	84.48343	3.15972	0.0985093	0.23065689	2.6332480	21	1 17.9	20.7
359822 2011 UW_{298}	16.3	X	272.63603	256.65265	151.14754	11.56712	0.1444926	0.17959189	3.1113216	21	7 31.1	20.8
359823 2011 US_{301}	17.0	X	66.11267	234.33008	202.77159	3.95156	0.1754385	0.22896179	2.6462287	21	1 14.7	19.8
359824 2011 UJ_{305}	16.3	X	55.80065	266.77343	137.21025	14.78701	0.1272210	0.22002700	2.7173906	21	—	—
359825 2011 UT_{305}	17.8	X	268.89797	262.37964	142.41448	2.70660	0.0737206	0.28268464	2.2993297	21	8 7.1	20.3
359826 2011 UR_{307}	16.7	X	96.16646	65.15754	337.12424	9.41762	0.0574967	0.23042248	2.6350336	21	1 3.6	20.2
359827 2011 US_{311}	16.2	X	181.95196	277.93003	221.19102	9.69428	0.1801748	0.17419369	3.1752733	21	8 15.5	21.6
359828 2011 UX_{316}	16.8	X	261.93488	313.14826	237.93654	2.25863	0.1067289	0.21279030	2.7786563	21	—	—
359829 2011 UG_{317}	17.0	X	285.68018	25.65978	23.91709	1.25576	0.1697293	0.18101881	3.0949496	21	8 17.4	21.0
359830 2011 UE_{318}	18.1	X	9.62616	287.83505	61.85361	3.74849	0.2123903	0.29624252	2.2286291	21	11 26.9	20.0
359831 2011 UX_{319}	17.2	X	26.63959	3.19986	110.84837	3.22766	0.0529996	0.22604332	2.6689572	21	—	—
359832 2011 UH_{320}	15.6	X	270.40790	24.73242	78.42728	11.69412	0.0910233	0.18884116	3.0088805	21	10 21.7	19.8
359833 2011 US_{320}	16.3	X	82.61137	151.46033	311.00465	11.53267	0.1124547	0.24220438	2.5488721	21	3 3.7	19.5
359834 2011 UX_{320}	16.8	X	239.69206	16.17053	210.71785	1.60342	0.0782137	0.22198599	2.7013799	21	—	—
359835 2011 UX_{323}	17.4	X	354.41547	276.63096	175.14296	4.23393	0.1697425	0.21162712	2.7888287	21	—	—
359836 2011 UB_{333}	16.6	X	19.73433	236.51336	233.74071	4.38371	0.1520901	0.22487905	2.6781612	21	—	—
359837 2011 UX_{333}	17.3	X	344.68250	156.16073	160.93282	6.73799	0.1264531	0.28450457	2.2895135	21	7 28.1	19.2
359838 2011 UH_{337}	16.4	X	281.79115	215.45818	206.21292	4.64898	0.1942478	0.18441464	3.0568382	21	8 21.9	20.6
359839 2011 UV_{338}	16.8	X	320.23160	219.03121	169.33346	5.16265	0.1606897	0.19109015	2.9852258	21	9 15.8	20.0
359840 2011 UW_{340}	17.3	X	320.67628	231.48241	195.24094	1.59230	0.0482004	0.20311865	2.8661759	21	11 16.1	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
359841 2011 UX_{342}	16.4	X	257.86358	73.33175	37.81632	7.90919	0.1620356	0.18775913	3.0204293	21	10 2.6	20.8
359842 2011 UG_{343}	16.8	X	23.46613	256.08684	214.95027	3.16552	0.1658458	0.22398728	2.6852649	21	—	—
359843 2011 UL_{343}	17.2	X	138.16931	138.02798	28.12520	6.74123	0.0563683	0.27416086	2.3467441	21	8 13.3	20.4
359844 2011 UN_{343}	16.2	X	234.93791	312.07964	125.60575	12.37251	0.1723470	0.17590647	3.1546281	21	7 23.9	21.2
359845 2011 UU_{345}	16.7	X	233.95277	194.11590	277.58617	2.97411	0.0970716	0.18431500	3.0579398	21	9 9.9	21.3
359846 2011 UR_{351}	16.7	X	250.37868	95.52966	21.76602	2.86785	0.0715805	0.19333971	2.9620247	21	10 12.2	20.9
359847 2011 UK_{352}	16.6	X	164.37803	322.83406	333.63983	4.33703	0.0124964	0.22003130	2.7173552	21	—	—
359848 2011 UU_{353}	16.7	X	316.15942	107.71357	334.51506	2.58360	0.0757120	0.20012861	2.8946536	21	11 26.8	20.3
359849 2011 UR_{359}	16.8	X	64.35207	17.31963	243.12266	5.99968	0.0949565	0.27948243	2.3168596	21	9 17.1	19.7
359850 2011 UY_{359}	16.7	X	47.92070	119.07913	240.48840	3.60475	0.1243043	0.20878218	2.8141058	21	12 30.6	20.6
359851 2011 UH_{369}	16.8	X	171.09108	138.58919	213.82983	5.53935	0.0874127	0.23563249	2.5960473	21	2 1.3	20.7
359852 2011 UF_{382}	16.3	X	254.57409	89.75360	327.73623	9.00759	0.2240923	0.17706673	3.1408322	21	7 14.8	21.3
359853 2011 UQ_{382}	15.6	X	311.39730	10.62005	53.88038	10.36041	0.0564097	0.19066807	2.9896297	21	10 30.1	19.5
359854 2011 UB_{383}	17.2	X	20.96201	85.96150	328.55695	4.01932	0.1158120	0.21189505	2.7864773	21	—	—
359855 2011 UN_{383}	16.5	X	82.74044	335.85333	23.82530	7.01571	0.0998980	0.21586585	2.7522006	21	—	—
359856 2011 US_{384}	17.3	X	36.04842	90.24036	318.86445	4.31084	0.0845715	0.21343711	2.7730397	21	—	—
359857 2011 UN_{400}	16.9	X	129.07739	283.86367	47.60376	6.94509	0.0320362	0.21894787	2.7263121	21	—	—
359858 2011 UU_{401}	15.8	X	94.57766	333.42832	59.86281	2.07323	0.1807713	0.12388122	3.9853433	21	1 29.8	21.3
359859 2011 US_{406}	16.7	X	143.48990	214.82481	155.57161	13.86822	0.3110999	0.23818224	2.5774869	21	2 17.7	20.9
359860 2011 VF_{1}	16.2	X	292.57131	142.02222	275.56291	8.94847	0.0900950	0.18818830	3.0158355	21	9 13.4	20.3
359861 2011 VL_{2}	15.5	X	52.00245	176.81161	252.53361	21.10215	0.0371475	0.22553895	2.6729347	21	—	—
359862 2011 VD_{3}	16.1	X	285.14812	95.41918	293.72742	10.49502	0.1465399	0.17989585	3.1078159	21	7 23.5	20.4
359863 2011 VR_{4}	16.0	X	245.37748	139.49928	316.50923	9.85782	0.0520191	0.18397012	3.0617604	21	9 7.8	20.4
359864 2011 VE_{12}	16.8	X	119.16971	248.79524	74.24882	4.19489	0.1212948	0.21354181	2.7721333	21	—	—
359865 2011 VR_{13}	17.0	X	358.05127	166.40718	70.39904	3.62092	0.1127509	0.25668775	2.4520686	21	4 21.5	19.4
359866 2011 VC_{18}	17.6	X	92.65075	196.59734	61.68736	4.51413	0.0527480	0.28946459	2.2632842	21	10 21.8	20.5
359867 2011 VW_{20}	16.6	X	186.96399	231.16145	72.66901	7.26847	0.1096549	0.22616299	2.6680156	21	—	—
359868 2011 WG	17.5	X	116.99295	209.34739	36.25685	7.42773	0.1049681	0.29678123	2.2259313	21	11 6.3	20.5
359869 2011 WW_{3}	16.4	X	184.56559	302.77637	51.03753	2.55143	0.1827204	0.24081083	2.5586961	21	2 24.5	20.6
359870 2011 WC_{6}	15.7	X	192.35132	44.14858	16.53913	7.90085	0.1551331	0.15673240	3.4069325	21	5 24.9	21.4
359871 2011 WO_{8}	16.8	X	246.32793	145.88583	340.85196	0.86742	0.1919446	0.18829463	3.0146999	21	10 2.2	21.4
359872 2011 WL_{10}	17.2	X	154.63648	92.83630	230.67611	6.87402	0.0561867	0.22376983	2.6870043	21	—	—
359873 2011 WD_{11}	17.1	X	197.95699	75.25435	226.93906	4.34145	0.1123875	0.23167654	2.6255161	21	1 2.4	21.2
359874 2011 WX_{11}	17.3	X	252.83040	184.69682	224.32379	4.22822	0.1068865	0.27492573	2.3423896	21	7 15.0	20.3
359875 2011 WE_{13}	16.6	X	218.10357	109.57428	67.97770	11.74593	0.1771675	0.19317264	2.9637323	21	11 8.3	21.3
359876 2011 WA_{21}	16.1	X	165.43701	78.29129	65.70431	13.22410	0.1157541	0.16713325	3.2640801	21	8 14.5	21.5
359877 2011 WO_{22}	16.8	X	87.29878	299.22284	94.91207	1.60217	0.1015870	0.22230916	2.6987613	21	—	—
359878 2011 WR_{26}	16.8	X	127.65034	128.61105	215.26807	6.26118	0.0040032	0.22173679	2.7034036	21	—	—
359879 2011 WX_{28}	15.6	X	45.27216	29.44552	252.73865	8.84781	0.0974541	0.18006485	3.1058710	21	9 8.3	19.9
359880 2011 WX_{30}	16.3	X	282.97552	60.03279	5.98089	9.36583	0.1154297	0.18256452	3.0774556	21	9 13.5	20.3
359881 2011 WU_{32}	17.6	X	189.34975	39.24032	157.78689	4.12770	0.0739102	0.29876340	2.2160750	21	11 26.3	20.4
359882 2011 WA_{34}	17.1	X	33.44040	188.20318	221.50948	3.69709	0.0627012	0.21285119	2.7781264	21	—	—
359883 2011 WE_{43}	16.1	X	245.70471	37.35268	63.70771	16.51155	0.1844188	0.17806901	3.1290354	21	9 9.5	21.2
359884 2011 WS_{43}	15.6	X	258.00537	4.08669	78.50087	11.69870	0.0653958	0.17907259	3.1173337	21	9 13.7	20.2
359885 2011 WV_{43}	16.2	X	348.70260	348.20409	113.52278	4.88956	0.0562411	0.21054999	2.7983320	21	—	—
359886 2011 WW_{43}	15.9	X	257.08091	10.08689	265.63973	11.77943	0.1416586	0.23473720	2.6026440	21	1 23.4	20.1
359887 2011 WN_{44}	16.6	X	11.09397	74.72909	285.19590	3.16235	0.0368578	0.19412747	2.9540061	21	10 28.3	20.6
359888 2011 WZ_{44}	16.3	X	248.21350	223.43005	253.31246	5.05425	0.0198924	0.18644618	3.0345926	21	10 13.3	20.5
359889 2011 WO_{48}	16.4	X	302.26225	65.17936	354.33034	5.19129	0.1621432	0.18874464	3.0099062	21	9 25.7	19.9
359890 2011 WP_{48}	15.9	X	291.50128	102.70308	291.80032	8.62380	0.2194846	0.18073285	3.0982134	21	7 27.7	19.9
359891 2011 WL_{49}	16.4	X	188.30143	247.60510	96.92323	10.92207	0.0514297	0.23759363	2.5817421	21	2 12.3	20.1
359892 2011 WP_{52}	16.9	X	317.44752	104.86143	324.81363	1.08842	0.0824974	0.19417382	2.9535359	21	11 11.3	20.7
359893 2011 WT_{55}	16.2	X	224.33790	96.88602	69.97868	5.33491	0.1454228	0.18743617	3.0238979	21	11 3.2	20.7
359894 2011 WD_{58}	16.6	X	231.29044	337.99890	186.91634	3.13551	0.1711469	0.19180690	2.9777842	21	11 5.2	21.0
359895 2011 WU_{58}	17.1	X	67.34888	157.01784	109.07893	3.91672	0.1471583	0.28327869	2.2961140	21	10 13.1	20.0
359896 2011 WN_{59}	17.3	X	3.65012	79.54421	224.04708	6.08652	0.1377667	0.27759302	2.3273606	21	8 14.0	19.4
359897 2011 WJ_{60}	17.5	X	334.44998	261.97603	91.49079	5.59708	0.1846725	0.28503147	2.2866911	21	9 7.9	19.0
359898 2011 WQ_{60}	16.9	X	61.59515	272.76553	162.02927	2.01509	0.0772480	0.22448934	2.6812598	21	—	—
359899 2011 WA_{61}	17.3	X	102.51321	265.63323	143.53806	3.09263	0.1075619	0.22989321	2.6390763	21	1 26.7	20.4
359900 2011 WE_{63}	17.2	X	336.15540	221.13209	63.53496	6.63160	0.1420011	0.26212943	2.4180143	21	5 18.4	19.4
359901 2011 WB_{69}	16.6	X	61.90189	107.18818	6.80097	8.12942	0.0956288	0.23614689	2.5922759	21	2 21.3	19.6
359902 2011 WK_{71}	16.6	X	211.74664	202.46297	252.37559	3.81180	0.1291265	0.16962550	3.2320293	21	7 24.7	21.8
359903 2011 WE_{73}	17.5	X	59.38248	291.01803	56.30483	5.28565	0.1291587	0.30718141	2.1754015	21	—	—
359904 2011 WP_{81}	16.9	X	20.79909	272.39185	201.31966	1.53985	0.0366920	0.22463531	2.6800981	21	—	—
359905 2011 WX_{82}	16.7	X	318.98062	107.16780	71.97817	12.94451	0.1188240	0.22259435	2.6964558	21	—	—
359906 2011 WY_{88}	16.8	X	241.96961	96.24705	347.06895	0.67382	0.1382755	0.17182182	3.2044279	21	8 10.7	21.6
359907 2011 WS_{90}	16.4	X	125.88794	313.81625	76.80233	15.16366	0.1449833	0.23254275	2.6189920	21	2 12.3	20.3
359908 2011 WW_{90}	16.5	X	346.01989	91.46162	89.39533	5.43886	0.0439275	0.23046980	2.6346728	21	1 26.9	19.8
359909 2011 WF_{101}	15.7	X	201.39273	32.84674	76.02703	9.13293	0.1402475	0.16980061	3.2298069	21	8 3.2	21.0
359910 2011 WD_{102}	14.9	X	69.93250	45.65661	266.08765	26.25633	0.0860851	0.19862992	2.9091957	21	11 21.1	19.3
359911 2011 WY_{102}	16.2	X	304.45116	229.63646	150.18048	11.26947	0.1119827	0.17807562	3.1289581	21	8 13.1	20.3
359912 2011 WS_{108}	16.8	X	236.21753	172.00570	76.37813	6.51658	0.0529909	0.22349435	2.6892118	21	—	—
359913 2011 WA_{110}	16.9	X	243.14110	283.40550	193.44756	1.18359	0.1073451	0.18483521	3.0521995	21	9 26.9	21.3
359914 2011 WJ_{114}	15.9	X	296.34517	68.48077	352.15995	9.93884	0.2303338	0.18618204	3.0374620	21	9 8.1	19.5
359915 2011 WC_{116}	16.9	X	350.62930	260.91931	63.19778	7.05307	0.1633445	0.27990454	2.3145297	21	8 28.6	18.8
359916 2011 WB_{117}	16.3	X	200.76795	75.12917	267.31539	4.23352	0.2085878	0.24295701	2.5436055	21	2 21.8	20.7
359917 2011 WS_{124}	16.6	X	286.76236	250.58969	170.60038	5.37464	0.1372473	0.18501477	3.0502244	21	9 7.6	20.5
359918 2011 WX_{125}	17.1	X	104.93669	320.33795	67.25309	2.14251	0.0107694	0.22597927	2.6694614	21	—	—
359919 2011 WT_{129}	16.6	X	104.72805	218.06260	156.00271	9.48351	0.1528981	0.22364251	2.6880240	21	—	—
359920 2011 WS_{131}	17.0	X	261.52300	233.47577	193.39132	3.46937	0.1259981	0.17635732	3.1492494	21	8 12.9	21.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
359921 2011 WY_{134}	16.3	X	145.67375	198.18115	174.27638	6.11585	0.3420296	0.23728064	2.5840119	21	2 24.1	20.8
359922 2011 WN_{137}	16.0	X	306.51939	249.13951	284.43590	4.40653	0.0280670	0.21509053	2.7588104	21	—	—
359923 2011 WR_{137}	15.7	X	333.72832	33.50585	301.47839	8.60260	0.0910203	0.17715969	3.1397334	21	8 1.2	19.7
359924 2011 WY_{137}	17.5	X	111.17387	204.56964	18.44382	4.58769	0.1247393	0.28366482	2.2940298	21	10 1.9	20.8
359925 2011 WD_{145}	16.7	X	100.07171	309.93662	67.17435	5.64797	0.1217625	0.22080289	2.7110210	21	—	—
359926 2011 WA_{146}	16.1	X	216.64840	56.89251	71.78351	10.98784	0.0570802	0.17701533	3.1414402	21	9 22.6	20.9
359927 2011 WJ_{147}	16.4	X	299.49297	76.78525	310.58307	7.39150	0.1436018	0.18075708	3.0979364	21	8 11.2	20.4
359928 2011 WB_{151}	16.0	X	250.60419	303.51539	168.23473	8.30386	0.1768806	0.18398423	3.0616038	21	9 20.8	20.5
359929 2011 WH_{151}	16.4	X	253.59118	263.17682	309.16095	12.61551	0.0372884	0.22119802	2.7077916	21	—	—
359930 2011 WN_{152}	15.5	X	109.71829	251.18956	305.57145	7.91167	0.0149037	0.17344341	3.1844237	21	8 5.6	19.9
359931 2011 WR_{152}	16.2	X	244.19500	350.73683	137.30970	9.26251	0.0772962	0.18904934	3.0066713	21	10 20.3	20.6
359932 2011 XX_{3}	16.8	X	132.00178	78.17856	272.48646	5.22248	0.0323561	0.22031865	2.7149919	21	—	—
359933 2011 YF_{2}	15.5	X	259.53281	282.91716	149.36825	11.71065	0.0893561	0.17569707	3.1571341	21	8 23.7	20.1
359934 2011 YX_{16}	15.6	X	252.27650	357.15979	97.54430	11.77840	0.0367235	0.17394574	3.1782899	21	9 25.1	20.3
359935 2011 YX_{17}	16.5	X	287.41693	106.61820	75.18309	11.75893	0.1099421	0.21364349	2.7712537	21	—	—
359936 2011 YW_{20}	15.3	X	305.31888	270.14557	117.26283	19.59699	0.1641972	0.17167757	3.2062226	21	8 19.8	19.4
359937 2011 YQ_{24}	13.4	X	358.98207	296.17672	102.46705	9.71536	0.0391352	0.08182391	5.2547156	21	11 14.2	20.2
359938 2011 YN_{34}	15.9	X	262.03157	337.42706	320.20948	5.10905	0.2586142	0.23368360	2.6104611	21	2 17.5	20.2
359939 2011 YF_{38}	13.2	X	320.42337	316.50543	134.92501	15.23950	0.0623977	0.08214848	5.2408657	21	11 25.9	20.0
359940 2011 YR_{44}	13.4	X	312.81933	304.95511	138.47987	8.31724	0.0528095	0.08111011	5.2854998	21	11 7.6	20.2
359941 2011 YQ_{52}	15.7	X	304.47994	216.11352	212.80453	14.53420	0.2335123	0.18884247	3.0088666	21	9 29.9	19.2
359942 2011 YQ_{61}	15.7	X	332.98066	283.12587	132.40306	10.66216	0.0933195	0.18501341	3.0502393	21	11 18.6	19.7
359943 2011 YG_{75}	13.9	X	329.12107	9.31775	65.33332	8.45082	0.0934969	0.08431892	5.1505392	21	11 14.0	20.2
359944 2012 AS_{1}	15.9	X	330.40567	97.45768	290.89175	7.80416	0.1096711	0.17836097	3.1256199	21	9 30.8	19.9
359945 2012 AR_{8}	14.3	X	335.26874	309.92580	120.09929	18.54298	0.1102426	0.08384358	5.1699876	21	11 21.2	20.9
359946 2012 AX_{15}	15.4	X	286.84055	336.03964	90.68145	16.55197	0.0550579	0.17555669	3.1588169	21	10 4.9	20.1
359947 2012 AN_{19}	16.3	X	240.05663	280.49735	48.71753	13.26256	0.1669363	0.24294625	2.5436806	21	3 20.4	20.5
359948 2012 AG_{24}	15.5	X	8.62675	266.49864	96.60496	9.49536	0.0789734	0.17720023	3.1392546	21	11 3.8	19.7
359949 2012 BM	15.6	X	243.33182	203.17937	303.29153	9.66973	0.0694151	0.18345205	3.0675219	21	11 3.8	20.1
359950 2012 BF_{2}	16.3	X	39.83732	339.35195	60.70345	6.35577	0.1222141	0.20279603	2.8692149	21	—	—
359951 2012 BD_{12}	15.3	X	29.57567	233.84880	110.68823	15.08944	0.1323576	0.17894402	3.1188267	21	11 18.5	19.6
359952 2012 BL_{29}	16.1	X	173.91090	272.96013	347.73998	1.54562	0.0665568	0.19520017	2.9431739	21	—	—
359953 2012 BS_{31}	15.8	X	15.02362	17.62334	327.00312	11.18564	0.0772250	0.17619905	3.1511350	21	10 11.2	20.1
359954 2012 BT_{31}	15.6	X	101.17018	211.51441	102.16618	15.19362	0.1296231	0.19103541	2.9857960	21	12 30.1	20.3
359955 2012 BZ_{31}	15.9	X	206.99437	77.92355	71.08439	5.90945	0.0859354	0.17240159	3.1972398	21	9 30.7	20.8
359956 2012 BB_{41}	16.7	X	203.14572	244.75933	80.58386	3.28079	0.1124554	0.22314117	2.6920487	21	2 7.1	20.8
359957 2012 BY_{50}	13.8	X	282.77588	359.72010	127.97422	8.73342	0.0994984	0.08359175	5.1803658	21	11 15.6	20.6
359958 2012 BV_{51}	15.7	X	107.37060	139.27165	139.96999	11.32290	0.0734812	0.17517435	3.1634116	21	11 22.1	20.6
359959 2012 BW_{59}	15.7	X	100.34544	316.70586	317.40403	9.79695	0.0714379	0.17756577	3.1349447	21	11 1.4	20.6
359960 2012 BQ_{61}	13.5	X	355.98471	304.03968	110.72663	6.75051	0.0513338	0.08232921	5.2331929	21	11 27.0	20.2
359961 2012 BN_{71}	13.6	X	349.09601	102.14118	325.34738	9.66804	0.0440982	0.08267774	5.2184754	21	11 29.9	20.4
359962 2012 BB_{76}	16.2	X	135.12528	208.01067	99.61172	4.87006	0.1083624	0.19838102	2.9116286	21	—	—
359963 2012 BX_{76}	13.9	X	343.70861	317.54863	99.02560	4.97213	0.1659069	0.08251139	5.2254873	21	11 12.4	19.9
359964 2012 BV_{88}	15.4	X	186.19362	71.68862	114.25047	9.99889	0.0440187	0.17412294	3.1761333	21	10 27.1	20.2
359965 2012 BA_{97}	13.5	X	30.50585	352.08160	23.81298	9.74058	0.0192151	0.08304841	5.2029362	21	11 20.1	20.4
359966 2012 BP_{129}	13.9	X	36.48735	272.93778	121.78166	7.87860	0.0044144	0.08239975	5.2302059	21	12 17.7	20.8
359967 2012 BD_{151}	15.6	X	326.48794	16.50868	95.46420	16.35637	0.0965979	0.20531271	2.8457200	21	—	—
359968 2012 BT_{151}	14.5	X	327.36561	119.41729	133.55500	4.83428	0.1122814	0.12584817	3.9437082	21	4 11.6	19.7
359969 2012 CM_{17}	13.7	X	23.81503	232.66607	157.26356	10.92928	0.0806271	0.08189525	5.2516636	21	12 5.9	20.4
359970 2012 DV_{97}	16.2	X	127.25578	318.87132	99.45912	7.23214	0.0539025	0.21578055	2.7529259	21	3 9.5	20.1
359971 2012 DJ_{98}	16.0	X	329.08661	70.91500	149.29685	17.47331	0.1106101	0.21637390	2.7478908	21	2 16.1	19.3
359972 2012 FF_{77}	15.7	X	341.30807	92.33660	22.87196	11.81011	0.0771359	0.19136981	2.9823167	21	—	—
359973 2012 GO_{14}	16.9	X	259.76316	328.15308	335.32436	1.69545	0.1623174	0.20895492	2.8125547	21	3 4.9	21.4
359974 2012 HS_{2}	13.4	X	339.56288	78.63468	323.87626	19.20024	0.1204446	0.08197225	5.2483745	21	10 11.5	20.1
359975 2012 HQ_{13}	13.7	X	354.83848	343.66820	66.06493	9.73047	0.0669105	0.08452070	5.1423384	21	11 20.1	20.2
359976 2012 TZ_{166}	16.3	X	348.24025	356.92010	45.72483	14.87883	0.1118151	0.22572807	2.6714415	21	11 30.4	19.5
359977 2012 TR_{169}	16.2	X	352.14866	211.71538	217.74094	13.48214	0.1811384	0.23138494	2.6277214	21	—	—
359978 2012 TB_{241}	15.8	X	221.38352	323.27151	67.19250	6.05189	0.1697340	0.18138015	3.0908378	21	5 15.2	20.9
359979 2012 TJ_{318}	15.9	X	338.34721	28.99033	31.44403	10.13081	0.0334191	0.22689405	2.6622815	21	12 5.4	19.4
359980 2012 UZ_{32}	16.2	X	55.50717	65.85233	130.65680	4.14335	0.0460706	0.18094428	3.0957994	21	6 1.2	20.4
359981 2012 UK_{86}	16.2	X	308.10261	300.98305	31.44007	3.03971	0.0761623	0.18961177	3.0007227	21	6 22.0	20.2
359982 2012 UQ_{109}	15.2	X	179.42780	6.97731	116.36411	26.23150	0.1363606	0.17126001	3.2114320	21	7 29.4	20.3
359983 2012 UM_{169}	16.0	X	302.54060	184.75482	283.44283	12.49667	0.1381364	0.22624597	2.6673631	21	12 12.5	18.8
359984 2012 VE_{16}	15.9	X	257.84011	116.86764	280.80386	5.66211	0.1263912	0.19107515	2.9853820	21	7 3.7	20.3
359985 2012 VU_{30}	17.5	X	92.54879	278.25493	199.40308	1.97676	0.1474003	0.27274536	2.3548566	21	4 14.9	20.2
359986 2012 VQ_{33}	15.9	X	165.83419	20.62669	84.76748	6.55030	0.1070388	0.18003001	3.1062717	21	6 23.8	20.8
359987 2012 VR_{33}	16.4	X	188.88096	315.26218	121.78745	4.58745	0.1550500	0.17918607	3.1160175	21	6 11.9	21.5
359988 2012 VH_{39}	16.1	X	326.48071	152.23809	260.22281	12.66430	0.1886456	0.21659357	2.7460325	21	11 1.7	19.0
359989 2012 VA_{46}	16.3	X	348.63590	30.39710	303.14679	5.07952	0.0663648	0.20116929	2.8846620	21	8 24.3	19.8
359990 2012 VX_{56}	15.9	X	297.78855	259.62388	90.29078	10.22301	0.0879606	0.19239894	2.9716724	21	6 28.8	19.8
359991 2012 VW_{68}	16.7	X	290.18197	285.68705	89.75352	3.31935	0.0988298	0.19657309	2.9294539	21	7 21.0	20.6
359992 2012 VW_{84}	15.9	X	227.40452	120.71315	294.28047	4.06946	0.1726748	0.17283235	3.1919250	21	6 19.0	21.0
359993 2012 VH_{93}	15.9	X	92.61825	279.02115	201.99878	5.34899	0.0049238	0.16135744	3.3415148	21	4 10.2	20.6
359994 2012 VG_{98}	16.2	X	281.14916	222.10609	128.44221	3.65524	0.1038853	0.18710398	3.0274759	21	6 5.4	20.3
359995 2012 VA_{102}	16.3	X	217.61071	208.26244	231.34394	3.10886	0.1129460	0.18927340	3.0042978	21	7 13.5	21.0
359996 2012 VG_{104}	16.1	X	205.45231	239.80189	203.04389	8.59190	0.1069506	0.18773272	3.0207125	21	7 4.7	21.0
359997 2012 VJ_{107}	15.9	X	291.97256	302.90542	107.01898	14.01290	0.0631742	0.20496785	2.8489110	21	9 19.5	19.9
359998 2012 XV_{7}	15.2	X	162.27053	79.07130	53.31890	14.36277	0.0754027	0.18502247	3.0501397	21	7 26.0	20.0
359999 2012 XX_{10}	17.1	X	179.16864	341.79232	102.84785	2.37759	0.1752971	0.17797854	3.1300957	21	6 12.3	22.3
360000 2012 XX_{21}	16.5	X	156.98584	38.24632	71.60638	2.20356	0.1713723	0.17512105	3.1640535	21	6 23.3	21.7