Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336001 2007 TL_{366}	16.0	X	117.31856	155.83603	284.56799	5.30257	0.0516849	0.17460283	3.1703110	21	3 23.9	20.6
336002 2007 TZ_{368}	16.0	X	203.17305	258.04155	104.59531	15.12209	0.2761249	0.18213858	3.0822516	21	4 2.3	21.8
336003 2007 TV_{374}	15.8	X	57.32499	25.83020	153.45036	12.65448	0.0666338	0.19180320	2.9778226	21	5 16.9	20.0
336004 2007 TZ_{376}	16.0	X	206.46548	22.11280	324.37574	4.41833	0.1465575	0.17968790	3.1102132	21	3 10.4	21.0
336005 2007 TM_{379}	16.4	X	259.01238	136.39906	202.14104	8.68186	0.1342981	0.18880608	3.0092532	21	4 21.1	20.9
336006 2007 TU_{385}	15.8	X	144.42613	275.82027	160.12446	11.91245	0.2521439	0.17924879	3.1152905	21	5 10.4	21.2
336007 2007 TD_{386}	15.4	X	165.16115	239.30106	158.94079	16.19428	0.0836474	0.17884390	3.1199906	21	4 3.9	20.2
336008 2007 TF_{393}	16.7	X	255.90358	224.56543	131.01367	2.85796	0.1021442	0.19526475	2.9425250	21	5 12.6	21.0
336009 2007 TL_{397}	15.5	X	214.52962	173.59948	146.88903	11.40146	0.1254767	0.17684741	3.1434284	21	2 17.3	20.4
336010 2007 TG_{404}	15.9	X	171.89505	90.56577	258.35433	2.94422	0.0502972	0.16857388	3.2454570	21	2 6.8	20.6
336011 2007 TN_{407}	15.9	X	168.73249	217.43339	167.05146	9.97946	0.0881149	0.17466620	3.1695441	21	3 20.6	20.7
336012 2007 TP_{421}	15.9	X	166.79115	250.71873	144.10949	16.59481	0.2875248	0.17877736	3.1207648	21	4 12.7	21.6
336013 2007 TR_{424}	15.7	X	206.59229	80.18763	327.57619	8.06000	0.0975961	0.18933917	3.0036021	21	5 22.5	20.5
336014 2007 TX_{440}	15.8	X	218.55551	7.05752	352.56054	11.15050	0.1728921	0.18353999	3.0665420	21	4 2.7	21.0
336015 2007 TW_{442}	15.6	X	182.90771	250.80554	156.88703	9.03550	0.1069605	0.18272598	3.0756424	21	5 3.6	20.5
336016 2007 TQ_{445}	18.1	X	171.00965	69.12534	213.85802	21.00961	0.0871929	0.37255642	1.9128225	21	—	—
336017 2007 TJ_{446}	16.0	X	178.64853	128.85256	252.09830	6.99764	0.1562393	0.17888958	3.1194595	21	3 24.4	21.2
336018 2007 UZ_{5}	15.5	X	150.95446	157.11281	228.73862	8.06207	0.0535042	0.17444927	3.1721712	21	2 24.5	20.4
336019 2007 UH_{8}	15.5	X	116.72708	141.30853	267.80450	13.28129	0.0980676	0.16981359	3.2296422	21	2 17.1	20.4
336020 2007 UQ_{17}	16.0	X	226.45278	98.03274	219.51648	1.56508	0.0976472	0.17745899	3.1362021	21	2 25.1	20.7
336021 2007 UW_{30}	15.8	X	122.13039	291.12109	112.67695	6.57708	0.1474127	0.17029983	3.2234918	21	3 3.1	20.6
336022 2007 UC_{31}	15.7	X	177.59866	236.76706	188.81138	16.54004	0.1593162	0.18463003	3.0544603	21	5 20.3	20.9
336023 2007 UU_{35}	16.3	X	180.39258	280.09698	94.85951	5.98758	0.1907005	0.17958676	3.1113808	21	3 25.9	21.6
336024 2007 UU_{46}	15.7	X	173.09609	280.46272	67.13151	6.86976	0.1815513	0.17072708	3.2181117	21	2 17.1	21.0
336025 2007 UX_{54}	16.3	X	215.22959	307.70155	46.83729	1.17514	0.1832316	0.18015292	3.1048588	21	3 27.9	21.3
336026 2007 UX_{65}	15.7	X	175.27114	169.49651	209.56799	16.86662	0.1640535	0.17903159	3.1178097	21	3 19.8	20.9
336027 2007 UT_{116}	15.5	X	214.76768	282.01262	61.67474	16.91248	0.2411936	0.18068556	3.0987538	21	3 22.3	21.2
336028 2007 UR_{118}	16.0	X	172.96670	313.10188	117.40727	7.51807	0.2112335	0.18286840	3.0740453	21	5 23.3	21.3
336029 2007 UB_{140}	15.1	X	218.89840	65.36740	262.91794	15.00010	0.1123855	0.17410492	3.1763524	21	2 23.6	20.5
336030 2007 VH_{7}	15.1	X	187.11409	176.99175	232.76626	22.56640	0.0938297	0.18236358	3.0797159	21	5 7.1	19.8
336031 2007 VU_{10}	15.5	X	201.77327	314.26927	87.37065	6.09706	0.2004861	0.18480408	3.0525423	21	5 11.6	20.7
336032 2007 VY_{15}	16.2	X	187.44918	325.25459	8.56131	5.22470	0.1662812	0.17391818	3.1786257	21	2 11.3	21.4
336033 2007 VQ_{117}	15.8	X	202.35855	114.93427	248.81368	8.29488	0.1595933	0.17965331	3.1106125	21	3 24.4	21.1
336034 2007 VN_{122}	16.4	X	206.74072	111.03981	249.18912	9.20399	0.2205726	0.17925800	3.1151839	21	3 22.9	21.9
336035 2007 VA_{135}	15.9	X	154.82628	220.68627	222.17533	8.83098	0.1016664	0.18353301	3.0666197	21	5 15.6	20.7
336036 2007 VG_{150}	16.1	X	233.49784	320.61480	354.28931	2.69208	0.0662236	0.17526704	3.1622963	21	3 3.9	20.9
336037 2007 VM_{234}	16.2	X	272.74955	219.73119	132.70802	0.71515	0.1928576	0.18954895	3.0013856	21	5 15.9	20.8
336038 2007 VZ_{261}	16.3	X	240.24934	94.50977	199.12322	12.00288	0.1449030	0.17556113	3.1587637	21	2 5.8	21.5
336039 2007 VN_{287}	15.2	X	150.08029	325.53187	90.20469	18.89388	0.2646149	0.17511213	3.1641609	21	4 27.4	20.9
336040 2007 VS_{298}	15.8	X	203.89667	246.20640	134.20622	17.69915	0.2592825	0.18208131	3.0828979	21	4 22.6	21.5
336041 2007 VW_{299}	15.8	X	143.73409	80.30502	335.38480	12.66551	0.1791040	0.17523809	3.1626445	21	4 2.8	21.0
336042 2007 VC_{321}	16.0	X	138.28241	255.64214	173.69843	14.94450	0.2149200	0.17461413	3.1701742	21	4 24.8	21.3
336043 2007 WZ	15.8	X	164.41152	36.06100	358.81122	7.83320	0.0163035	0.17538598	3.1608663	21	3 22.5	20.3
336044 2007 WB_{3}	15.9	X	200.67815	65.20986	298.16390	7.96859	0.1085507	0.17794446	3.1304954	21	3 22.3	21.0
336045 2007 YN_{60}	17.1	X	80.46648	29.27864	287.45790	16.77622	0.0639678	0.35106993	1.9900942	21	—	—
336046 2008 AS_{54}	17.7	X	17.93071	282.04715	307.44762	4.24411	0.1235076	0.31588310	2.1352650	21	5 8.8	19.2
336047 2008 AO_{136}	17.5	X	333.74254	120.90275	326.60469	17.65302	0.0567277	0.35528623	1.9743181	21	—	—
336048 2008 CK_{4}	17.6	X	315.67931	266.27526	312.63643	6.77240	0.1824499	0.29673663	2.2261544	21	1 1.2	20.5
336049 2008 CW_{36}	18.2	X	277.76929	104.59055	170.63043	5.04893	0.2232943	0.29811320	2.2192961	21	1 28.7	21.6
336050 2008 CZ_{61}	16.9	X	259.87543	296.76133	345.46364	5.96899	0.1992561	0.29109636	2.2548182	21	1 26.5	20.4
336051 2008 CH_{143}	17.5	X	237.72353	113.51232	135.93253	0.23407	0.2614508	0.28124335	2.3071786	21	—	—
336052 2008 CC_{145}	18.5	X	292.89916	356.51275	311.99114	6.32004	0.0381255	0.31267093	2.1498643	21	4 21.6	21.1
336053 2008 CU_{199}	16.9	X	248.47431	341.65821	358.26525	9.56676	0.2505764	0.30290312	2.1958376	21	3 23.6	20.5
336054 2008 CX_{211}	17.1	X	303.49169	112.18314	127.56044	6.70654	0.1008015	0.29850955	2.2173312	21	1 24.2	19.9
336055 2008 DV_{8}	17.6	X	322.92162	152.04748	329.52024	6.30335	0.0549494	0.28457842	2.2891174	21	—	—
336056 2008 DE_{67}	17.8	X	265.34742	29.30596	196.41633	6.16919	0.1535155	0.28351968	2.2948127	21	—	—
336057 2008 EN_{19}	17.6	X	235.80192	85.92494	195.20388	4.06982	0.2407793	0.28555378	2.2839019	21	1 3.5	21.6
336058 2008 EU_{36}	17.8	X	292.55290	42.00410	189.51774	2.25790	0.1343661	0.29178925	2.2512472	21	—	—
336059 2008 EF_{95}	17.6	X	275.42545	90.41712	149.91405	5.61224	0.1282888	0.28318056	2.2966444	21	—	—
336060 2008 EE_{109}	17.3	X	214.57500	158.55503	134.25166	6.44044	0.1747802	0.28524612	2.2855438	21	—	—
336061 2008 EN_{113}	17.5	X	262.17648	347.79784	335.64216	5.78527	0.2028630	0.30493800	2.1860580	21	3 16.9	20.9
336062 2008 EL_{117}	18.3	X	214.62618	208.80130	41.02348	3.24772	0.1844689	0.27529013	2.3403220	21	—	—
336063 2008 EB_{122}	17.9	X	210.05340	315.39526	344.75126	2.03450	0.2118453	0.28441513	2.2899935	21	1 6.8	21.5
336064 2008 EF_{137}	17.9	X	247.35900	240.47398	36.07857	4.85333	0.1222107	0.28893210	2.2660641	21	1 10.7	21.2
336065 2008 EX_{147}	17.6	X	256.38186	284.55402	9.60659	5.70649	0.1403676	0.29439990	2.2379186	21	2 10.7	20.9
336066 2008 FR_{7}	18.2	X	323.17538	237.09600	4.07490	3.32112	0.1284665	0.30108260	2.2046802	21	2 17.8	20.5
336067 2008 FZ_{15}	17.6	X	270.62078	85.85750	112.09064	5.37769	0.1662675	0.27784786	2.3259373	21	—	—
336068 2008 FB_{27}	12.8	X	289.70113	119.43302	216.48787	29.27188	0.1182196	0.08135839	5.2747411	21	5 29.8	19.8
336069 2008 FQ_{45}	18.0	X	308.89253	265.96654	19.38476	4.41007	0.1564249	0.30499315	2.1857945	21	3 27.0	20.2
336070 2008 FV_{58}	17.8	X	247.58685	194.41178	83.66608	3.72285	0.1623748	0.28934911	2.2638863	21	1 11.0	21.2
336071 2008 FR_{67}	17.7	X	204.58524	169.34094	73.31196	2.37702	0.1470988	0.27088547	2.3656232	21	—	—
336072 2008 FG_{69}	17.8	X	235.48996	131.63843	113.49410	2.61707	0.1708382	0.27732229	2.3288751	21	—	—
336073 2008 FG_{70}	17.9	X	352.21623	18.69732	203.21727	4.75736	0.1284310	0.29704400	2.2246184	21	3 6.5	20.2
336074 2008 FU_{73}	12.9	X	305.16348	275.48814	29.14902	18.07850	0.0374548	0.08488886	5.1274597	21	5 19.6	19.7
336075 2008 FU_{91}	17.7	X	301.09108	86.16863	158.18415	4.28065	0.1508792	0.29508531	2.2344518	21	1 20.9	20.7
336076 2008 FY_{100}	17.6	X	224.35277	177.71690	85.26601	6.21973	0.1915761	0.27773099	2.3265898	21	—	—
336077 2008 FK_{105}	17.9	X	251.45170	136.44899	106.64656	2.86524	0.1834553	0.28156007	2.3054480	21	—	—
336078 2008 FU_{111}	17.5	X	250.29586	112.75490	140.59120	5.82851	0.1387329	0.28105084	2.3082320	21	—	—
336079 2008 GA_{1}	17.5	X	350.31721	356.91923	217.63228	7.49240	0.1640689	0.29806566	2.2195320	21	2 11.9	19.9
336080 2008 GO_{10}	17.4	X	241.16987	120.09973	184.88935	2.67920	0.1572015	0.28827851	2.2694879	21	2 6.9	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336081 2008 GR_{13}	18.0	X	241.46330	195.42574	147.04988	2.19915	0.1546517	0.30226448	2.1989295	21	3 27.2	21.0
336082 2008 GK_{31}	17.4	X	261.83563	160.10867	125.24844	5.59655	0.0977504	0.29165563	2.2519348	21	2 6.8	20.3
336083 2008 GA_{33}	17.7	X	271.26534	127.09906	91.87028	5.24574	0.1657196	0.28102109	2.3083949	21	—	—
336084 2008 GS_{62}	17.2	X	238.37852	97.77253	212.93897	7.64493	0.2074417	0.29045233	2.2581501	21	2 7.9	21.0
336085 2008 GF_{63}	17.5	X	218.86836	202.96793	44.61443	3.56923	0.1942609	0.27302131	2.3532696	21	—	—
336086 2008 GF_{74}	17.4	X	206.99415	238.26141	87.53000	7.82354	0.1442136	0.28732501	2.2745061	21	2 3.6	20.9
336087 2008 GW_{90}	17.6	X	219.48380	278.74870	37.15245	5.57017	0.1752889	0.28842737	2.2687069	21	2 3.5	21.3
336088 2008 GB_{99}	17.9	X	240.14843	115.78492	191.01939	1.83533	0.2224799	0.28950510	2.2630730	21	2 6.4	21.5
336089 2008 GO_{107}	17.1	X	233.02043	229.77802	50.22177	6.47428	0.2392945	0.28398143	2.2923245	21	1 1.0	21.0
336090 2008 GL_{109}	18.0	X	142.43892	104.19266	190.94927	6.34655	0.2054365	0.26282177	2.4137660	21	—	—
336091 2008 GR_{119}	18.1	X	215.69744	111.64163	158.85886	4.05033	0.1901433	0.27504232	2.3417276	21	—	—
336092 2008 GU_{121}	17.8	X	350.32204	40.57741	182.99881	6.07957	0.1563991	0.29865525	2.2166100	21	3 1.2	19.8
336093 2008 GK_{144}	17.5	X	192.86890	137.58588	130.57827	3.04353	0.1883396	0.27067608	2.3668430	21	—	—
336094 2008 HN_{3}	17.2	X	220.08478	207.56296	66.09732	7.65294	0.1120697	0.27946562	2.3169524	21	—	—
336095 2008 HA_{4}	17.8	X	266.99814	80.63570	135.87182	6.46665	0.1554188	0.28142209	2.3062016	21	—	—
336096 2008 HQ_{5}	17.6	X	251.24396	315.95028	208.44102	1.79127	0.1521454	0.26988165	2.3714855	21	12 14.8	20.2
336097 2008 HQ_{15}	17.6	X	178.49038	140.38393	128.04668	6.15804	0.1983923	0.26699626	2.3885404	21	—	—
336098 2008 HB_{34}	17.2	X	182.76860	185.41563	130.28836	5.95950	0.2473246	0.27471243	2.3436019	21	1 6.0	20.9
336099 2008 HE_{34}	17.8	X	200.60200	119.46913	153.92886	4.64784	0.2160946	0.27200191	2.3591456	21	—	—
336100 2008 HL_{44}	17.7	X	184.17071	170.35852	140.09556	2.77959	0.2143753	0.27526936	2.3404397	21	—	—
336101 2008 HL_{55}	18.0	X	170.49116	260.16535	67.83430	6.97671	0.1506902	0.27636716	2.3342378	21	1 1.8	21.3
336102 2008 HB_{59}	18.2	X	196.95396	103.56759	196.04964	3.41948	0.2136394	0.27679226	2.3318472	21	—	—
336103 2008 HU_{61}	17.1	X	275.56833	39.68715	236.02181	6.00524	0.1103811	0.28981324	2.2614686	21	2 5.8	20.2
336104 2008 HF_{66}	17.5	X	222.71187	246.64588	26.68023	3.51544	0.1831354	0.27981688	2.3150131	21	—	—
336105 2008 HN_{67}	17.9	X	198.76305	105.71038	160.39033	1.51214	0.1653423	0.27089809	2.3655498	21	—	—
336106 2008 HE_{70}	17.3	X	189.67258	132.43486	123.47997	3.71624	0.2578991	0.26670005	2.3903086	21	—	—
336107 2008 JD_{7}	17.5	X	166.74343	82.20459	227.87060	6.20450	0.2272478	0.27081891	2.3660108	21	—	—
336108 Luberon	17.6	X	191.95112	233.19127	47.90308	2.03751	0.1769829	0.27321080	2.3521814	21	—	—
336109 2008 JN_{8}	17.0	X	249.31900	95.46052	118.07227	7.97368	0.1184118	0.27442184	2.3452561	21	—	—
336110 2008 JY_{20}	17.0	X	173.07531	177.39993	97.38122	5.82025	0.2261255	0.26553907	2.3972708	21	—	—
336111 2008 JK_{34}	17.2	X	124.79638	133.21758	147.39820	8.05544	0.2231615	0.25683502	2.4511312	21	12 25.7	21.4
336112 2008 JL_{35}	16.2	X	242.34841	16.45044	253.06607	23.44255	0.2265763	0.28076280	2.3098105	21	—	—
336113 2008 JC_{38}	17.3	X	169.94241	181.73784	129.63584	2.06706	0.1904460	0.27157486	2.3616181	21	—	—
336114 2008 KO_{1}	17.4	X	153.07280	199.99958	134.23712	6.77064	0.1411208	0.27276030	2.3547706	21	—	—
336115 2008 KZ_{3}	17.5	X	169.18808	78.52548	204.81207	6.46696	0.1084121	0.26719833	2.3873360	21	—	—
336116 2008 KB_{9}	17.9	X	294.95887	10.03739	211.14979	2.99952	0.1240195	0.28423557	2.2909578	21	—	—
336117 2008 LK_{15}	17.8	X	257.76891	64.21368	215.24032	6.41866	0.1011782	0.28553455	2.2840044	21	1 24.0	21.2
336118 2008 LT_{17}	13.8	X	283.71679	130.13436	202.98352	12.85444	0.0515282	0.08322461	5.1955898	21	5 30.2	20.7
336119 2008 NY_{1}	16.6	X	151.81893	6.64869	307.21994	8.11402	0.1459105	0.26201442	2.4187218	21	—	—
336120 2008 NY_{4}	17.1	X	258.60300	290.72193	289.56661	7.56117	0.1481034	0.26862025	2.3789038	21	—	—
336121 2008 OS_{3}	16.1	X	125.28171	125.66363	219.78930	4.63741	0.2177687	0.25887049	2.4382656	21	—	—
336122 2008 OA_{8}	17.0	X	93.26859	188.84061	165.08660	2.63291	0.2126347	0.25456723	2.4656668	21	—	—
336123 2008 OK_{10}	16.9	X	67.25951	164.69732	229.18265	6.42252	0.2883237	0.25276853	2.4773501	21	—	—
336124 2008 OQ_{18}	17.6	X	130.59703	34.18839	298.10123	1.55893	0.1917303	0.25921720	2.4360910	21	—	—
336125 2008 OL_{19}	16.9	X	93.09193	3.69406	275.37375	8.20857	0.0970435	0.24153108	2.5536068	21	11 13.7	20.6
336126 2008 OB_{24}	17.1	X	147.37507	82.59799	155.56218	7.76862	0.1029586	0.24270887	2.5453389	21	11 23.5	21.0
336127 2008 OE_{25}	16.5	X	316.71070	41.92119	306.71456	10.33606	0.0906956	0.22221414	2.6995306	21	7 26.3	19.5
336128 2008 PU_{4}	17.3	X	108.01524	282.62038	38.32557	5.36851	0.2333488	0.25209348	2.4817706	21	—	—
336129 2008 PD_{8}	16.7	X	112.41306	15.43499	271.33475	6.95461	0.1360606	0.24757486	2.5118769	21	12 18.4	20.6
336130 2008 PL_{8}	16.4	X	61.58705	330.13189	292.45180	11.41066	0.1003803	0.23136123	2.6279009	21	9 9.0	20.1
336131 2008 PH_{11}	17.4	X	117.51428	285.62248	42.38220	1.03173	0.2293085	0.25550790	2.4596114	21	—	—
336132 2008 PC_{14}	17.0	X	99.93105	208.50651	136.27532	3.99696	0.1629909	0.25405518	2.4689787	21	—	—
336133 2008 PT_{18}	16.1	X	30.75177	305.34232	91.76881	10.43260	0.2578415	0.24482135	2.5306759	21	—	—
336134 2008 PW_{20}	16.5	X	66.74405	262.81772	43.62569	13.09213	0.2371506	0.24138972	2.5546037	21	12 4.8	20.4
336135 2008 QV_{1}	16.4	X	333.09357	219.59704	173.59956	13.28610	0.1679108	0.23180048	2.6245801	21	10 28.9	19.0
336136 2008 QR_{6}	17.2	X	83.21054	131.21626	160.64540	5.03854	0.1610110	0.24058507	2.5602965	21	11 28.1	21.1
336137 2008 QY_{7}	17.3	X	107.61113	207.45654	145.53488	1.89333	0.1865898	0.25572344	2.4582291	21	—	—
336138 2008 QP_{9}	16.9	X	102.87167	97.13213	162.29003	28.03451	0.2389917	0.24013862	2.5634688	21	11 17.3	21.7
336139 2008 QW_{12}	17.2	X	132.79262	150.00289	157.79979	2.21749	0.2027726	0.25470595	2.4647715	21	—	—
336140 2008 QR_{13}	17.3	X	33.46950	106.63882	289.24702	3.42182	0.2308136	0.24616470	2.5214607	21	—	—
336141 2008 QM_{17}	16.1	X	30.14315	281.23411	352.56161	13.50864	0.1860743	0.22377147	2.6869912	21	8 28.9	19.0
336142 2008 QY_{18}	16.2	X	11.42999	157.76765	179.88562	12.86130	0.1740539	0.23011515	2.6373792	21	10 24.3	19.0
336143 2008 QK_{22}	16.7	X	34.38720	102.44271	202.87341	11.35562	0.1866714	0.23087910	2.6315581	21	10 17.8	19.7
336144 2008 QG_{23}	16.0	X	249.12308	194.31432	236.80963	8.11759	0.2109875	0.21804259	2.7338530	21	7 24.5	20.4
336145 2008 QA_{27}	16.9	X	350.17110	318.07106	47.02377	3.55889	0.1967919	0.23188779	2.6239212	21	10 22.5	19.3
336146 2008 QT_{31}	16.3	X	293.32371	89.07880	325.29815	11.74974	0.2644730	0.22273671	2.6953066	21	8 21.7	19.5
336147 2008 QP_{37}	16.8	X	272.68912	85.48930	349.11731	11.38307	0.1646392	0.22543039	2.6737928	21	9 5.9	20.1
336148 2008 QP_{38}	16.8	X	39.49194	353.88678	306.08211	6.06278	0.1648255	0.23017440	2.6369266	21	10 11.1	20.2
336149 2008 QA_{40}	17.5	X	7.65950	55.89211	313.76142	1.80970	0.1898420	0.23582986	2.5945986	21	12 2.5	20.1
336150 2008 QF_{44}	16.4	X	317.86091	235.03004	164.56913	7.60679	0.1625952	0.22777764	2.6553921	21	10 4.5	19.0
336151 2008 QH_{45}	17.1	X	13.49703	159.25553	208.16552	7.41058	0.2060816	0.23562358	2.5961128	21	12 12.5	20.0
336152 2008 QQ_{45}	16.7	X	37.65599	196.58031	153.37314	9.46172	0.1756040	0.23887696	2.5724871	21	12 20.4	20.2
336153 2008 RH	16.8	X	26.49212	250.53888	126.55483	7.30402	0.1347978	0.24037270	2.5618043	21	—	—
336154 2008 RL_{1}	16.6	X	142.68836	70.17638	159.20195	13.92529	0.1036686	0.23877762	2.5732005	21	11 9.3	20.7
336155 2008 RO_{1}	17.4	X	90.88683	252.21929	127.53312	3.34198	0.2057906	0.25749075	2.4469680	21	—	—
336156 2008 RU_{4}	17.1	X	38.37621	2.04773	288.60673	0.88899	0.0996770	0.22691458	2.6621210	21	9 19.0	20.3
336157 2008 RN_{8}	17.0	X	24.47822	113.95524	210.50677	4.28220	0.0485767	0.22969033	2.6406301	21	10 7.8	20.3
336158 2008 RW_{9}	16.2	X	48.47558	248.94145	343.11649	7.82155	0.1464771	0.21475144	2.7617137	21	7 23.8	19.6
336159 2008 RL_{13}	16.8	X	276.70738	103.44302	309.68792	5.13977	0.0422398	0.22377551	2.6869588	21	8 30.1	20.4
336160 2008 RW_{14}	17.2	X	315.07523	106.53423	338.74156	12.82434	0.1424874	0.23645112	2.5900519	21	12 3.7	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336161 2008 RH_{16}	16.7	X	125.21815	347.53320	264.59884	3.44480	0.1735743	0.23902030	2.5714586	21	11 18.2	20.9
336162 2008 RV_{21}	16.5	X	131.18369	325.00735	339.15768	9.11851	0.2183602	0.25404800	2.4690252	21	—	—
336163 2008 RN_{22}	16.7	X	94.92587	143.26434	148.89922	14.53895	0.1381853	0.24211603	2.5494922	21	12 9.6	20.9
336164 2008 RE_{23}	16.7	X	340.91109	34.58311	329.96983	7.41353	0.2451547	0.22591251	2.6699873	21	9 24.6	18.7
336165 2008 RG_{24}	16.4	X	29.53534	56.68194	289.93857	6.31611	0.1562352	0.23431620	2.6057606	21	11 29.9	19.7
336166 2008 RH_{27}	17.0	X	23.93744	50.33558	323.08101	8.78230	0.2176747	0.23816638	2.5776013	21	—	—
336167 2008 RR_{30}	16.4	X	7.19813	334.59133	358.81102	10.38729	0.0694346	0.22766475	2.6562698	21	9 26.0	19.5
336168 2008 RM_{31}	16.6	X	359.18999	128.17823	172.47492	10.35068	0.1327670	0.22179538	2.7029274	21	7 28.1	19.6
336169 2008 RJ_{33}	17.5	X	109.96742	327.20792	303.12895	2.81732	0.2142637	0.24133313	2.5550030	21	11 29.1	21.8
336170 2008 RL_{34}	16.5	X	163.27879	17.56273	183.79654	13.43032	0.1042010	0.23339975	2.6125771	21	10 23.8	20.5
336171 2008 RO_{39}	16.6	X	73.69384	271.35587	356.48497	10.97775	0.1767182	0.23119770	2.6291400	21	10 15.3	20.4
336172 2008 RP_{42}	17.0	X	13.56503	284.45783	28.92573	2.33912	0.0641101	0.22406290	2.6846608	21	9 8.9	20.2
336173 2008 RV_{44}	16.8	X	49.85206	85.86728	176.13927	12.20026	0.2159266	0.22547968	2.6734031	21	9 15.5	20.0
336174 2008 RS_{46}	17.1	X	17.58901	194.02380	193.34473	3.47276	0.1208930	0.23802710	2.5786067	21	—	—
336175 2008 RK_{57}	17.1	X	34.93597	147.86386	183.03327	3.41741	0.2071979	0.23500209	2.6006879	21	11 26.3	20.3
336176 2008 RK_{66}	16.7	X	105.62358	21.61593	19.48668	6.75574	0.1037437	0.26123518	2.4235293	21	1 14.4	19.6
336177 Churri	16.7	X	61.42017	185.83732	161.63910	5.35433	0.2937794	0.24032912	2.5621140	21	—	—
336178 2008 RJ_{87}	16.1	X	230.21835	164.58983	257.65694	6.32375	0.0983411	0.21283973	2.7782261	21	7 6.4	20.1
336179 2008 RS_{88}	16.2	X	264.53627	112.92666	340.24544	11.30854	0.1386189	0.22539204	2.6740960	21	9 20.3	19.8
336180 2008 RU_{88}	16.5	X	302.36143	228.24991	208.54671	12.80220	0.0443529	0.23277859	2.6172228	21	11 9.6	19.8
336181 2008 RN_{89}	16.2	X	31.86791	47.80602	230.41507	6.27924	0.0837107	0.22033605	2.7148490	21	8 17.3	19.6
336182 2008 RZ_{95}	16.7	X	332.67733	46.02460	319.41966	8.33559	0.0832996	0.22893473	2.6464372	21	9 12.6	19.9
336183 2008 RW_{103}	16.1	X	92.81549	234.23820	298.85387	5.55383	0.0342589	0.20929641	2.8094945	21	6 17.5	19.9
336184 2008 RN_{107}	16.9	X	34.81734	132.48181	199.72469	2.38488	0.2541621	0.23199077	2.6231447	21	12 4.1	20.1
336185 2008 RX_{112}	16.4	X	326.19479	115.89278	238.43430	5.28638	0.0373565	0.22121248	2.7076735	21	8 20.1	20.0
336186 2008 RM_{113}	16.8	X	300.35613	29.44385	293.79785	3.32556	0.0670632	0.21046838	2.7990553	21	5 29.8	20.4
336187 2008 RX_{113}	16.9	X	236.09976	115.02679	349.89018	5.08494	0.0564294	0.22709525	2.6607088	21	9 13.9	20.3
336188 2008 RE_{131}	17.5	X	31.29278	97.07424	230.00709	2.07190	0.2311021	0.23206298	2.6226005	21	11 18.8	20.6
336189 2008 RD_{132}	16.3	X	290.24748	277.97038	114.41754	5.36231	0.1830557	0.22160731	2.7044564	21	7 31.6	19.6
336190 2008 RL_{133}	16.7	X	345.97314	62.93571	284.19021	11.05191	0.1600967	0.22486949	2.6782371	21	9 5.1	19.6
336191 2008 RE_{136}	16.5	X	329.58231	93.89455	248.11770	5.64405	0.1694596	0.22156709	2.7047838	21	7 28.5	19.3
336192 2008 RS_{137}	16.4	X	225.88808	182.00182	251.56661	4.23000	0.0491710	0.21555273	2.7548653	21	7 20.9	20.3
336193 2008 RO_{138}	18.1	X	35.93370	46.57980	356.86048	2.66686	0.2223346	0.24568561	2.5247375	21	—	—
336194 2008 RM_{140}	16.0	X	268.50365	128.36164	301.23059	10.95013	0.1469221	0.22079012	2.7111255	21	8 22.6	19.8
336195 2008 RW_{141}	16.1	X	228.67208	256.53911	187.60033	11.32654	0.0128849	0.22176063	2.7032098	21	8 10.2	20.0
336196 2008 RY_{144}	16.6	X	99.29000	52.32536	236.33600	3.16220	0.0744849	0.24070636	2.5594364	21	12 2.1	20.0
336197 2008 RV_{145}	17.0	X	244.14054	74.34160	26.12040	3.72187	0.1940569	0.22245659	2.6975688	21	9 1.1	21.0
336198 2008 SR_{2}	15.8	X	31.16771	257.68937	78.49230	13.38112	0.2012496	0.23320931	2.6139992	21	11 27.3	19.0
336199 2008 SG_{3}	16.6	X	45.53854	174.45372	163.10907	11.94308	0.0495210	0.23653054	2.5894721	21	11 27.4	20.2
336200 2008 SQ_{3}	16.7	X	310.90193	357.88559	35.38244	5.17666	0.2498757	0.22443388	2.6817015	21	8 30.0	19.3
336201 2008 SU_{3}	15.7	X	302.97311	182.08659	166.20081	14.33980	0.0413371	0.21608807	2.7503134	21	7 9.8	19.6
336202 2008 SE_{5}	16.8	X	331.71534	256.98488	127.49060	4.14101	0.1822422	0.22764551	2.6564195	21	10 10.4	19.2
336203 Sandrobuss	17.0	X	3.05043	244.69106	100.85874	3.26823	0.2172442	0.22841451	2.6504539	21	10 23.9	19.4
336204 Sardinas	17.3	X	49.63697	321.03464	6.91530	3.18211	0.2444799	0.23797051	2.5790155	21	12 15.6	20.9
336205 2008 SX_{18}	16.8	X	275.25970	230.51855	216.54606	5.22078	0.1423342	0.22659639	2.6646125	21	9 27.9	20.2
336206 2008 SP_{29}	16.2	X	308.37419	233.81568	200.54969	9.78684	0.1325697	0.23113703	2.6296001	21	11 8.6	19.0
336207 2008 SA_{31}	16.8	X	90.81206	307.53281	305.58764	7.26701	0.1165275	0.22830236	2.6513218	21	10 7.4	20.7
336208 2008 SP_{31}	16.8	X	300.71612	123.48443	296.77712	4.86591	0.1248491	0.22674816	2.6634233	21	10 2.2	20.0
336209 2008 SJ_{32}	16.4	X	16.65988	33.71382	220.51851	11.39378	0.1534053	0.21388857	2.7691363	21	6 24.9	19.5
336210 2008 SB_{44}	17.0	X	29.53369	91.61935	201.71518	4.20963	0.1617508	0.22309046	2.6924566	21	9 16.9	20.0
336211 2008 SH_{44}	16.7	X	29.99314	139.45131	196.48826	10.66828	0.2592784	0.23286971	2.6165400	21	12 4.1	20.1
336212 2008 SN_{45}	16.9	X	121.20120	334.31062	28.05337	2.53344	0.0549116	0.25448163	2.4662196	21	—	—
336213 2008 SC_{46}	16.8	X	155.69860	102.76853	42.47549	4.14678	0.0322188	0.21353182	2.7722197	21	8 1.4	20.7
336214 2008 SR_{49}	17.6	X	29.76017	323.44824	349.72923	3.79189	0.0802392	0.22831550	2.6512201	21	10 3.9	20.7
336215 2008 SS_{50}	17.7	X	80.36903	97.82418	184.07053	12.57190	0.2554456	0.23704184	2.5857471	21	11 22.7	22.0
336216 2008 SE_{55}	17.2	X	17.56761	156.07831	174.29116	2.69837	0.1187080	0.22781188	2.6551260	21	10 15.0	20.1
336217 2008 SP_{55}	16.8	X	15.76390	247.32402	17.24849	2.62675	0.1664891	0.21504193	2.7592260	21	7 11.5	19.6
336218 2008 SH_{56}	16.4	X	97.70019	1.02021	185.97025	9.95343	0.0484939	0.21180757	2.7872444	21	7 13.0	20.5
336219 2008 SK_{56}	16.8	X	331.89968	298.29306	35.42464	1.53493	0.1006373	0.21804660	2.7338195	21	7 29.5	19.9
336220 2008 SR_{58}	16.5	X	340.84112	356.95634	40.62673	5.39008	0.0720337	0.23028075	2.6361146	21	11 12.3	19.4
336221 2008 SJ_{63}	17.3	X	345.76029	93.99978	322.11508	3.73791	0.2673227	0.23441587	2.6050219	21	—	—
336222 2008 SZ_{64}	17.2	X	308.89136	328.54843	149.92543	5.09651	0.1077691	0.24386095	2.5373159	21	—	—
336223 2008 SC_{72}	16.6	X	326.50755	67.62393	311.84582	11.78062	0.1951265	0.22588071	2.6702379	21	9 11.4	19.4
336224 2008 SZ_{73}	17.1	X	329.17438	203.23000	212.42251	3.49660	0.1241924	0.23238288	2.6201931	21	11 19.9	19.9
336225 2008 SA_{78}	16.8	X	359.98381	300.69311	349.03193	4.55140	0.0929841	0.21739619	2.7392695	21	7 15.9	19.9
336226 2008 SE_{81}	16.6	X	42.13631	255.65639	74.02849	6.01052	0.2651590	0.23457467	2.6038461	21	12 11.6	20.2
336227 2008 SJ_{81}	16.2	X	231.87254	313.67123	161.10865	9.65068	0.1552131	0.21924660	2.7238350	21	9 9.3	20.3
336228 2008 SU_{81}	16.7	X	18.57355	82.69395	315.13819	11.62573	0.2549909	0.23841836	2.5757849	21	—	—
336229 2008 SF_{84}	16.7	X	255.66081	212.93365	201.73672	7.86176	0.2196550	0.21323559	2.7747866	21	7 10.2	21.1
336230 2008 SS_{88}	16.7	X	308.00405	243.41271	163.17923	5.21897	0.1425335	0.22373094	2.6873157	21	9 26.7	19.5
336231 2008 SZ_{90}	16.7	X	304.06012	167.75729	253.50068	1.91456	0.0959003	0.22755419	2.6571302	21	10 14.7	19.7
336232 2008 SM_{95}	16.1	X	108.21222	296.24962	210.72051	14.40945	0.1020370	0.20216188	2.8752120	21	6 12.5	20.4
336233 2008 SF_{98}	17.2	X	18.88129	4.45128	348.66452	2.33131	0.0859343	0.23090099	2.6313918	21	11 11.8	20.5
336234 2008 SJ_{99}	16.3	X	351.32260	164.91251	139.90219	4.00240	0.0729175	0.21418663	2.7665667	21	7 21.4	19.6
336235 2008 SP_{100}	17.1	X	240.94926	301.79912	170.58585	8.41160	0.0549894	0.22387160	2.6861899	21	10 1.0	20.8
336236 2008 SQ_{104}	16.2	X	314.26630	24.72601	23.72942	13.16959	0.1310881	0.22514924	2.6760181	21	10 12.1	19.2
336237 2008 SJ_{106}	16.4	X	161.14308	115.59712	52.99680	3.24771	0.0073088	0.21870635	2.7283188	21	9 8.1	20.1
336238 2008 SV_{107}	16.7	X	74.96011	323.77283	285.78843	4.45844	0.0816561	0.22284551	2.6944293	21	9 9.7	20.4
336239 2008 SD_{110}	17.2	X	339.23183	226.48060	142.50454	3.30835	0.0902301	0.22604207	2.6689670	21	10 2.6	20.3
336240 2008 SF_{112}	17.0	X	309.95462	282.03137	145.25580	4.61189	0.1668020	0.22864693	2.6486575	21	10 29.5	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336241 2008 SK_{112}	16.9	X	53.47200	173.97332	144.21232	4.04602	0.1982068	0.23456001	2.6039545	21	12 2.0	20.5
336242 2008 SL_{112}	17.3	X	334.30357	271.35295	116.15860	3.44545	0.0878123	0.22786126	2.6547424	21	10 21.0	20.4
336243 2008 SB_{116}	17.2	X	353.52763	278.11859	101.32990	4.08604	0.1586974	0.23062046	2.6335253	21	11 16.4	19.8
336244 2008 SD_{116}	17.1	X	47.07404	140.36771	166.34924	8.51638	0.1239538	0.22928518	2.6437399	21	10 30.2	20.6
336245 2008 ST_{117}	17.0	X	14.23780	350.46559	10.33457	4.65453	0.1652574	0.23165553	2.6256748	21	11 25.9	19.9
336246 2008 SV_{119}	17.1	X	27.37117	313.30701	23.27389	5.14358	0.2863012	0.23241417	2.6199579	21	12 3.7	20.2
336247 2008 SH_{123}	16.0	X	39.36028	125.14586	205.12465	14.34717	0.0971710	0.23039600	2.6352355	21	11 14.4	19.4
336248 2008 SH_{124}	16.3	X	320.81274	329.74604	7.43850	5.76077	0.0693663	0.21445030	2.7642985	21	7 20.2	19.8
336249 2008 SX_{126}	16.8	X	337.41911	97.71639	269.99000	1.10566	0.2036437	0.22499620	2.6772315	21	9 23.4	18.9
336250 2008 SM_{129}	17.0	X	342.70920	72.84810	240.45596	3.94211	0.1618762	0.21555392	2.7548551	21	7 13.7	19.9
336251 2008 SG_{130}	16.6	X	300.85056	74.88751	344.28310	2.43702	0.0779170	0.22492084	2.6778295	21	10 8.4	19.8
336252 2008 SF_{133}	16.5	X	29.48424	130.36037	207.63568	11.30056	0.3014209	0.23258269	2.6186922	21	12 11.8	20.0
336253 2008 SW_{137}	15.8	X	52.91477	288.65644	30.94836	15.24569	0.1467244	0.23194825	2.6234652	21	11 21.4	19.5
336254 2008 SC_{143}	16.9	X	284.67573	177.30359	193.43614	5.46505	0.0547125	0.21101270	2.7942397	21	7 12.5	20.7
336255 2008 SW_{147}	16.2	X	314.54549	269.53426	166.92575	10.98809	0.2407156	0.22837903	2.6507284	21	11 16.6	18.6
336256 2008 ST_{149}	17.0	X	346.66259	137.14382	278.88439	3.66651	0.1709781	0.23592431	2.5939061	21	12 27.1	19.5
336257 2008 SX_{149}	16.2	X	74.72476	311.54677	345.28334	11.37414	0.0592720	0.23331073	2.6132417	21	11 5.7	20.0
336258 2008 SU_{155}	15.9	X	44.09433	252.96913	32.32132	13.20768	0.2802868	0.22800654	2.6536146	21	10 20.5	19.3
336259 2008 SK_{163}	16.7	X	40.49487	165.10787	168.96864	6.18085	0.1904242	0.23523364	2.5989809	21	12 5.6	20.1
336260 2008 SE_{165}	16.3	X	65.05852	142.22500	187.15451	11.47427	0.2638209	0.23983601	2.5656246	21	—	—
336261 2008 SC_{166}	16.9	X	5.36043	291.06058	72.52912	2.98977	0.1379911	0.23160851	2.6260302	21	11 12.7	19.6
336262 2008 SD_{167}	16.7	X	6.04994	214.04038	188.19237	11.85950	0.1884543	0.23622655	2.5916932	21	—	—
336263 2008 SV_{167}	17.1	X	10.48616	183.87581	185.46976	4.48167	0.2971501	0.23228800	2.6209065	21	12 24.0	19.8
336264 2008 SY_{167}	16.8	X	341.54205	228.00324	148.36325	3.18196	0.1173475	0.22682212	2.6628444	21	10 17.5	19.6
336265 2008 SS_{173}	16.7	X	292.73316	333.14992	358.73425	5.20846	0.1262921	0.20868507	2.8149788	21	5 20.7	20.5
336266 2008 SK_{174}	16.0	X	289.82405	117.06649	327.55829	11.63609	0.1304074	0.22970408	2.6405247	21	10 14.4	19.3
336267 2008 SO_{176}	16.4	X	38.30864	151.04571	184.13416	13.50681	0.1089964	0.23330178	2.6133085	21	11 22.6	20.0
336268 2008 SL_{179}	16.2	X	18.17001	306.70700	352.06216	13.04710	0.1700988	0.22454826	2.6807908	21	9 7.9	18.9
336269 2008 SP_{191}	16.6	X	22.24975	200.87893	58.08170	5.25578	0.0207523	0.21008683	2.8024432	21	7 4.2	20.4
336270 2008 SV_{192}	16.9	X	50.92313	123.21794	184.01663	11.73361	0.1727769	0.23070507	2.6328814	21	11 12.2	20.5
336271 2008 SD_{200}	17.1	X	16.37884	96.41458	240.94035	5.13274	0.0696808	0.22576136	2.6711789	21	10 14.2	20.3
336272 2008 SX_{201}	16.8	X	2.98844	6.46617	335.18353	1.17187	0.0877520	0.22386132	2.6862721	21	10 1.9	20.0
336273 2008 SF_{218}	15.8	X	43.09303	30.90569	316.90492	8.71432	0.2288110	0.23500597	2.6006592	21	12 31.4	19.5
336274 2008 SG_{224}	16.8	X	333.18705	154.96800	235.18401	2.33657	0.1315121	0.22677754	2.6631933	21	10 19.8	19.6
336275 2008 SO_{239}	16.8	X	357.49377	346.67650	34.09252	4.59709	0.0584815	0.23376779	2.6098343	21	11 14.7	19.9
336276 2008 SB_{240}	16.6	X	323.06678	277.42662	82.53939	4.92957	0.1582846	0.22014889	2.7163874	21	8 16.7	19.4
336277 2008 SW_{241}	16.2	X	22.30588	180.56144	75.81623	4.70698	0.0443234	0.21294595	2.7773021	21	7 2.1	19.7
336278 2008 SL_{245}	16.6	X	302.59183	253.26554	174.25737	12.51195	0.1879558	0.22657116	2.6648103	21	10 12.6	19.4
336279 2008 SR_{245}	16.8	X	14.41652	290.16447	83.51737	4.11315	0.1726168	0.23415174	2.6069806	21	12 16.5	19.7
336280 2008 SC_{249}	15.8	X	330.00937	191.07993	150.41169	14.95856	0.2060015	0.21979451	2.7193065	21	7 25.0	18.5
336281 2008 SA_{250}	16.7	X	322.92908	275.33600	158.26970	8.96757	0.1149586	0.23345450	2.6121686	21	12 5.4	19.7
336282 2008 SH_{250}	17.3	X	346.97850	127.57595	216.73050	7.50947	0.1813439	0.22282097	2.6946272	21	9 6.4	19.9
336283 2008 SK_{250}	17.1	X	22.58884	160.75353	114.53708	1.78939	0.0285449	0.21285731	2.7780731	21	7 27.4	20.6
336284 2008 SC_{253}	16.8	X	338.42781	135.90105	232.19920	3.30690	0.0875480	0.22470980	2.6795058	21	9 27.1	19.9
336285 2008 SL_{253}	16.6	X	149.41295	328.65044	207.90837	8.77593	0.0758050	0.21529252	2.7570846	21	9 1.2	20.9
336286 2008 SD_{271}	17.1	X	304.85840	114.55561	248.65639	5.87076	0.0587916	0.21354754	2.7720837	21	7 29.7	20.7
336287 2008 SK_{272}	16.4	X	45.42547	340.80175	223.02518	11.87749	0.0544037	0.20095109	2.8867498	21	5 27.2	20.1
336288 2008 SQ_{280}	16.4	X	6.21309	45.13833	306.58839	9.64340	0.1164394	0.22977372	2.6399912	21	10 19.9	19.7
336289 2008 SB_{282}	16.4	X	11.56996	259.46471	157.05339	8.91873	0.1556067	0.23890399	2.5722931	21	—	—
336290 2008 SQ_{285}	16.5	X	357.99816	53.49281	305.16041	3.09031	0.1138659	0.22765396	2.6563537	21	10 18.6	19.5
336291 2008 SL_{289}	16.9	X	257.64895	239.95157	162.68805	4.69753	0.0765015	0.21460957	2.7629307	21	7 16.3	20.7
336292 2008 SV_{289}	16.5	X	348.22005	202.62762	182.60592	13.38169	0.1988237	0.22898949	2.6460153	21	11 18.9	19.2
336293 2008 SW_{289}	16.4	X	9.34389	118.49613	203.66538	11.29522	0.1771072	0.22074134	2.7115250	21	9 21.7	19.3
336294 2008 SB_{295}	15.9	X	258.02103	151.81361	306.34682	14.02724	0.1013129	0.22586818	2.6703366	21	9 18.8	19.8
336295 2008 SS_{298}	16.7	X	353.16198	247.88128	171.75188	12.15076	0.1710686	0.23749665	2.5824449	21	—	—
336296 2008 SH_{299}	17.0	X	330.88367	153.42999	209.92536	5.70921	0.0378401	0.21787735	2.7352351	21	9 8.6	20.6
336297 2008 SH_{301}	16.7	X	19.32877	243.01856	125.52762	5.20141	0.1600532	0.23516567	2.5994817	21	12 15.9	19.7
336298 2008 SB_{302}	16.5	X	27.85198	266.80723	74.92761	5.76610	0.0501166	0.23009802	2.6375101	21	11 6.8	19.8
336299 2008 SM_{308}	16.2	X	255.25946	133.11127	320.98210	10.78331	0.1507450	0.22222223	2.6994651	21	9 6.9	20.0
336300 2008 SK_{309}	16.4	X	90.89518	269.61325	231.83435	8.93803	0.0109855	0.19367777	2.9585769	21	5 1.0	20.5
336301 2008 TV_{1}	17.0	X	66.79876	169.82659	125.83173	6.28828	0.2324412	0.23423426	2.6063682	21	11 23.6	20.9
336302 2008 TZ_{2}	16.4	X	55.92691	272.38681	0.26720	13.84137	0.1827612	0.22696928	2.6616932	21	10 1.8	20.0
336303 2008 TG_{3}	15.9	X	161.02831	325.60775	101.79505	10.87154	0.1412206	0.19710900	2.9241417	21	5 7.9	20.7
336304 2008 TW_{3}	16.7	X	358.68754	118.85152	297.84152	10.29473	0.1998375	0.23614831	2.5922655	21	—	—
336305 2008 TR_{5}	17.2	X	8.06219	207.65222	194.91854	3.84524	0.2387309	0.23697726	2.5862169	21	—	—
336306 2008 TF_{6}	16.3	X	318.92628	317.75130	24.17952	8.85056	0.1553421	0.21677730	2.7444807	21	7 13.3	19.6
336307 2008 TR_{14}	16.9	X	187.38962	185.08377	344.09796	3.23941	0.0430278	0.22869196	2.6483098	21	10 8.8	20.6
336308 2008 TO_{24}	16.4	X	205.11943	74.83458	0.59108	4.14416	0.0419348	0.21044007	2.7993063	21	6 29.6	20.4
336309 2008 TX_{27}	16.9	X	231.06603	173.97894	335.34086	9.32479	0.1400882	0.23604065	2.5930537	21	10 21.3	20.8
336310 2008 TM_{31}	16.6	X	298.73211	263.85174	49.03193	2.67607	0.0576174	0.20469023	2.8514864	21	5 15.8	20.5
336311 2008 TU_{38}	16.2	X	256.70807	49.05945	358.21613	4.38485	0.1321885	0.21267873	2.7796280	21	7 15.2	20.1
336312 2008 TL_{39}	17.1	X	70.41822	46.96172	240.93156	1.76151	0.0407085	0.22617410	2.6679282	21	10 20.3	20.7
336313 2008 TO_{41}	16.2	X	277.74145	104.08598	344.26699	12.36913	0.2408685	0.22343514	2.6896869	21	9 16.7	19.5
336314 2008 TC_{45}	16.3	X	286.21366	337.40662	27.64135	4.04820	0.1774887	0.21203271	2.7852711	21	6 18.5	20.0
336315 2008 TL_{48}	17.1	X	107.96181	279.74901	4.41394	7.03354	0.1893217	0.24524336	2.5277719	21	12 12.8	21.3
336316 2008 TF_{51}	16.9	X	326.32188	218.40817	180.25309	5.04099	0.1117952	0.22810655	2.6528389	21	10 21.8	19.8
336317 2008 TD_{59}	16.8	X	183.88583	77.60699	51.87592	3.16482	0.0434562	0.21561167	2.7543632	21	8 15.2	20.7
336318 2008 TQ_{62}	16.7	X	25.35741	136.79988	211.92073	2.49221	0.1601586	0.23218941	2.6216484	21	11 27.8	19.8
336319 2008 TL_{63}	17.2	X	355.23617	345.86079	23.89314	1.52060	0.1375825	0.22866112	2.6485479	21	11 1.9	20.1
336320 2008 TK_{66}	16.5	X	248.47307	281.97156	75.64734	3.11027	0.0830586	0.20268480	2.8702645	21	5 7.9	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336321 2008 TC_{69}	16.9	X	19.64071	295.92025	67.03154	3.70579	0.1321516	0.23235236	2.6204225	21	12 3.6	19.8
336322 2008 TJ_{69}	16.9	X	36.49246	290.79826	37.27217	11.92821	0.2056667	0.23138781	2.6276997	21	11 21.2	20.3
336323 2008 TO_{70}	16.4	X	39.87670	157.64554	83.04100	4.85983	0.0406546	0.20887193	2.8132996	21	7 6.2	19.9
336324 2008 TB_{72}	17.0	X	291.84061	284.19039	90.45294	4.81745	0.1243690	0.21456393	2.7633225	21	7 18.8	20.4
336325 2008 TO_{72}	16.7	X	283.52949	31.89518	350.85845	2.93023	0.1040555	0.21376952	2.7701643	21	7 21.4	20.3
336326 2008 TE_{75}	16.9	X	272.54474	240.90027	207.29971	1.06298	0.0373573	0.22401271	2.6850618	21	10 12.4	20.5
336327 2008 TZ_{78}	17.5	X	33.57635	127.30574	176.24109	3.87523	0.2383794	0.22929541	2.6436612	21	10 23.2	20.5
336328 2008 TC_{81}	17.3	X	31.90037	108.67902	191.44095	12.17122	0.2619851	0.22887157	2.6469241	21	10 19.9	20.3
336329 2008 TR_{86}	16.9	X	293.05184	260.77163	199.34038	11.31663	0.1303823	0.23342406	2.6123958	21	11 18.7	19.9
336330 2008 TT_{86}	16.7	X	345.54603	121.75052	228.29717	5.31767	0.0591760	0.22245292	2.6975984	21	9 12.1	20.2
336331 2008 TX_{86}	17.1	X	35.00947	54.96246	213.28422	13.16469	0.1186124	0.21721458	2.7407962	21	8 10.6	20.7
336332 2008 TB_{87}	16.8	X	38.13027	77.06482	215.15871	6.43002	0.2337012	0.22682298	2.6628376	21	10 11.8	20.0
336333 2008 TT_{87}	16.7	X	270.72098	310.48605	89.45651	4.08868	0.0961050	0.21505175	2.7591421	21	7 28.3	20.3
336334 2008 TG_{92}	16.5	X	248.71170	158.19939	257.85151	9.96806	0.2099178	0.21181034	2.7872202	21	7 6.2	20.8
336335 2008 TU_{92}	17.1	X	63.11940	140.53014	164.66814	2.11914	0.2040938	0.23563100	2.5960582	21	11 27.2	20.8
336336 2008 TF_{93}	17.1	X	343.50607	272.93595	63.14291	2.75238	0.0989963	0.22139764	2.7061636	21	8 23.6	20.2
336337 2008 TG_{93}	17.0	X	65.20585	272.38273	30.14135	7.64481	0.2112972	0.23534454	2.5981644	21	11 25.1	20.8
336338 2008 TJ_{102}	17.1	X	286.98452	236.02404	184.21872	2.48714	0.0800649	0.22352724	2.6889481	21	9 19.1	20.5
336339 2008 TA_{105}	16.1	X	63.08090	173.12880	2.00382	4.08868	0.1431945	0.19789063	2.9164367	21	5 25.6	19.9
336340 2008 TG_{110}	16.1	X	244.78378	153.13806	320.96598	12.63765	0.1115441	0.22577421	2.6710775	21	9 23.2	20.0
336341 2008 TX_{113}	15.8	X	319.88103	278.49006	43.54932	9.61774	0.1509506	0.21267286	2.7796791	21	6 13.9	19.2
336342 2008 TA_{115}	16.0	X	272.11172	249.59842	119.36603	7.25032	0.0288622	0.21013956	2.8019744	21	6 28.1	19.8
336343 2008 TK_{116}	16.4	X	302.24990	148.97477	253.91754	5.15106	0.0543101	0.22217148	2.6998761	21	9 18.5	19.9
336344 2008 TY_{117}	16.9	X	36.60706	105.45616	228.65288	4.10096	0.3024652	0.23325036	2.6136926	21	12 15.9	20.3
336345 2008 TK_{119}	16.4	X	156.20669	299.52499	214.42355	2.60952	0.1301144	0.21602608	2.7508395	21	8 14.2	20.6
336346 2008 TZ_{119}	16.9	X	353.80995	95.03807	281.77349	2.68699	0.0794597	0.23008823	2.6375849	21	11 4.3	19.9
336347 2008 TH_{123}	16.8	X	158.09242	329.96113	173.15545	4.46804	0.1346126	0.20815858	2.8197234	21	8 2.4	21.4
336348 2008 TZ_{123}	16.7	X	22.29725	30.68270	252.77270	4.02191	0.0898617	0.21899715	2.7259031	21	8 11.1	20.0
336349 2008 TF_{126}	16.5	X	273.39269	210.04699	220.98242	10.32195	0.0943410	0.22287946	2.6941557	21	9 8.0	20.2
336350 2008 TA_{128}	16.9	X	254.75164	106.83726	329.09639	5.57007	0.0557997	0.22010671	2.7167345	21	8 29.7	20.6
336351 2008 TR_{128}	16.6	X	7.14042	259.66013	49.50223	2.74550	0.0665494	0.22115770	2.7081207	21	8 24.3	19.8
336352 2008 TA_{130}	16.1	X	3.68303	264.09628	11.43676	11.17208	0.2014341	0.21396346	2.7684901	21	7 3.8	18.9
336353 2008 TF_{160}	16.5	X	131.95437	183.86972	43.97798	5.12721	0.0401754	0.22670095	2.6637931	21	10 19.9	20.2
336354 2008 TF_{168}	15.9	X	9.06840	250.64468	89.77304	15.72633	0.1550449	0.22662410	2.6643953	21	10 26.8	19.1
336355 2008 TR_{175}	16.8	X	298.89323	63.97914	316.46100	2.07249	0.0909603	0.21775213	2.7362836	21	8 11.3	20.2
336356 2008 TW_{178}	16.9	X	37.77630	161.47119	150.29790	8.07794	0.2016413	0.23199728	2.6230956	21	11 5.9	20.2
336357 2008 TE_{180}	16.3	X	320.72038	237.08328	153.63943	13.75967	0.2698722	0.22577992	2.6710325	21	9 14.5	18.3
336358 2008 TQ_{182}	16.7	X	1.73466	146.06362	237.47182	11.97429	0.1745909	0.23483097	2.6019511	21	12 9.2	19.4
336359 2008 TC_{184}	16.2	X	226.88976	186.54476	277.34159	9.79178	0.0562015	0.21827552	2.7319077	21	8 26.7	20.2
336360 2008 TZ_{184}	16.4	X	331.33374	243.58812	100.72395	6.11440	0.1254660	0.21936838	2.7228269	21	8 11.9	19.4
336361 2008 UT	16.7	X	98.28863	346.83162	323.30324	3.13135	0.2138583	0.24015509	2.5633516	21	—	—
336362 2008 UQ_{3}	16.3	X	340.21779	227.85218	128.64769	8.23882	0.2170928	0.22205421	2.7008266	21	9 15.7	18.6
336363 2008 UV_{6}	16.1	X	319.45599	192.73873	52.54501	3.23209	0.1024511	0.19129532	2.9830909	21	3 14.1	20.1
336364 2008 UQ_{28}	16.7	X	246.26694	248.28549	211.24450	11.29202	0.1225390	0.21795037	2.7346241	21	9 6.1	20.7
336365 2008 UO_{29}	16.6	X	215.78783	324.31301	75.72801	3.05924	0.0769928	0.20136319	2.8828098	21	5 25.3	21.0
336366 2008 UB_{31}	15.6	X	267.83086	26.39208	217.76487	27.22676	0.1062217	0.17969793	3.1100974	21	1 5.5	20.9
336367 2008 UY_{35}	16.6	X	216.70148	274.80342	200.49038	2.57199	0.0510451	0.21894063	2.7263722	21	9 2.7	20.6
336368 2008 UK_{38}	16.0	X	1.48619	43.59781	240.21497	8.37178	0.1267547	0.20887159	2.8133027	21	7 7.7	19.2
336369 2008 UU_{40}	16.7	X	330.56458	18.11460	268.16232	1.39471	0.0441838	0.20144179	2.8820599	21	5 27.1	20.3
336370 2008 UF_{42}	16.8	X	302.88126	132.31865	207.22425	7.37276	0.1642237	0.21074448	2.7966101	21	6 10.3	20.4
336371 2008 UZ_{46}	17.0	X	289.97980	36.57836	341.04587	2.80705	0.1089944	0.21196802	2.7858377	21	7 22.7	20.6
336372 2008 UA_{47}	15.8	X	321.10540	335.29051	246.27115	9.23308	0.0354025	0.18313532	3.0710576	21	2 19.3	20.2
336373 2008 UG_{47}	16.6	X	314.36377	108.37515	244.82951	7.81471	0.0680119	0.21165792	2.7885581	21	7 28.3	20.2
336374 2008 UM_{54}	15.7	X	56.43043	125.85021	234.97499	12.27207	0.2775656	0.23868520	2.5738648	21	—	—
336375 2008 US_{54}	16.5	X	300.63557	308.36920	70.68685	6.18930	0.0734047	0.21280473	2.7785307	21	8 16.9	20.1
336376 2008 UE_{60}	16.6	X	351.64529	95.54672	263.83646	4.05999	0.0777960	0.22326182	2.6910787	21	10 5.5	19.8
336377 2008 UW_{60}	16.7	X	27.40257	342.01533	294.86099	3.07500	0.0274741	0.21187853	2.7866221	21	8 4.8	20.2
336378 2008 UY_{62}	16.9	X	319.03512	62.04898	292.97450	1.59595	0.0872848	0.21499820	2.7596002	21	8 7.6	20.1
336379 2008 UO_{63}	16.6	X	354.99001	81.70819	240.81899	5.37124	0.0140839	0.21393553	2.7687310	21	8 18.2	20.4
336380 2008 UQ_{65}	17.1	X	299.59070	137.20973	269.94481	5.45844	0.0406775	0.21948813	2.7218364	21	9 21.3	20.8
336381 2008 UJ_{68}	16.6	X	21.06181	208.51014	131.86930	5.70615	0.0884680	0.22901828	2.6457935	21	11 1.3	19.9
336382 2008 UX_{70}	15.9	X	22.60441	95.27250	254.59258	12.18303	0.2255799	0.22945199	2.6424584	21	12 4.6	18.8
336383 2008 UY_{74}	15.5	X	25.85355	245.21099	267.74363	6.92597	0.1261437	0.17828407	3.1265186	21	2 21.7	19.4
336384 2008 UR_{75}	16.4	X	2.58613	313.00402	20.40773	4.10701	0.1003313	0.21759560	2.7375957	21	9 21.2	19.6
336385 2008 UC_{76}	17.0	X	297.12354	359.87653	13.81198	3.07934	0.1218277	0.21173343	2.7878951	21	7 26.3	20.4
336386 2008 UL_{76}	17.0	X	305.56618	18.90219	345.93235	2.35994	0.1203554	0.21173721	2.7878619	21	7 26.9	20.2
336387 2008 UY_{79}	16.2	X	15.75799	341.49420	245.78395	8.91829	0.0545536	0.19889963	2.9065652	21	5 13.8	20.0
336388 2008 UO_{86}	16.6	X	301.58467	290.79551	342.12990	1.63428	0.0362554	0.19136118	2.9824064	21	4 1.9	20.7
336389 2008 UF_{88}	16.5	X	320.58078	223.95058	76.05645	5.56288	0.0938105	0.20901696	2.8119982	21	5 24.9	20.1
336390 2008 UL_{89}	16.6	X	235.37881	230.92112	259.61519	2.97838	0.0309802	0.22805662	2.6532261	21	10 19.3	20.2
336391 2008 UN_{92}	16.5	X	314.32493	272.89910	94.16273	8.18379	0.1966134	0.21943525	2.7222737	21	8 4.5	19.4
336392 Changhua	16.6	X	345.34142	269.87819	120.83316	3.54031	0.1502468	0.22755361	2.6571347	21	11 15.4	19.2
336393 2008 UM_{95}	16.9	X	240.15083	264.64430	163.52729	4.17751	0.0801514	0.21237564	2.7822720	21	7 27.8	20.8
336394 2008 UZ_{97}	16.3	X	345.64617	230.75091	109.54557	5.38669	0.1680374	0.21937113	2.7228041	21	9 2.5	19.0
336395 2008 UQ_{111}	16.6	X	295.90223	358.08614	356.19477	4.94427	0.0580531	0.20995073	2.8036542	21	7 7.3	20.3
336396 2008 UK_{116}	16.6	X	324.29127	92.52080	274.29774	6.12032	0.0412446	0.21710490	2.7417191	21	9 2.1	20.3
336397 2008 UV_{116}	16.9	X	340.15508	39.00707	323.90024	4.94235	0.0280132	0.22036862	2.7145815	21	9 22.1	20.5
336398 2008 UM_{117}	16.7	X	327.86753	331.40216	17.29965	9.07387	0.0240270	0.21441583	2.7645948	21	8 21.9	20.4
336399 2008 UP_{118}	16.2	X	15.41320	11.23674	345.87833	4.52258	0.2187153	0.22990615	2.6389773	21	11 30.9	19.2
336400 2008 UW_{131}	16.6	X	325.63539	351.09352	312.59340	1.11606	0.0411850	0.20522023	2.8465748	21	6 12.7	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336401 2008 UJ_{133}	17.0	X	321.37218	110.46295	229.71968	3.52344	0.1180107	0.21346340	2.7728120	21	7 17.2	20.2
336402 2008 UP_{139}	16.0	X	271.63799	2.07819	235.41778	3.56929	0.0484174	0.17745804	3.1362133	21	1 13.5	20.6
336403 2008 UM_{151}	16.7	X	287.64630	145.21176	224.88488	5.31930	0.0859714	0.20986340	2.8044320	21	7 10.9	20.5
336404 2008 UC_{156}	17.0	X	265.74541	185.05889	229.97925	4.59473	0.1091299	0.21268301	2.7795907	21	8 6.3	20.8
336405 2008 UL_{157}	16.8	X	9.04457	74.16381	217.87692	2.22829	0.0802251	0.21020826	2.8013639	21	8 1.1	20.2
336406 2008 UA_{161}	16.1	X	336.30483	43.88635	315.03593	14.53951	0.1717098	0.22253315	2.6969500	21	9 3.0	18.8
336407 2008 UL_{163}	16.3	X	20.52530	64.30936	236.44085	9.13241	0.1493444	0.22030681	2.7150892	21	9 5.7	19.5
336408 2008 UW_{168}	16.5	X	341.60090	176.67884	212.54930	13.78817	0.0845038	0.22663993	2.6642712	21	11 2.8	19.4
336409 2008 UK_{176}	16.8	X	232.92590	186.87855	231.11147	5.37198	0.0525850	0.20975105	2.8054333	21	7 8.6	20.8
336410 2008 UG_{178}	16.7	X	282.66282	99.84358	270.49083	2.39089	0.2528603	0.21344772	2.7729478	21	6 9.8	20.6
336411 2008 UA_{179}	15.6	X	60.78196	162.53964	295.36178	7.46316	0.1510881	0.17927893	3.1149414	21	2 12.1	19.4
336412 2008 UX_{185}	15.8	X	355.16211	317.16921	235.60691	14.63215	0.0446473	0.18208756	3.0828274	21	2 25.2	20.2
336413 2008 UE_{187}	16.4	X	215.96076	172.97700	219.64937	7.46874	0.0797167	0.19657730	2.9294121	21	5 16.5	20.7
336414 2008 UX_{198}	15.7	X	9.16903	316.87179	56.77437	14.37184	0.2899768	0.23112270	2.6297087	21	12 25.3	18.6
336415 2008 UD_{200}	17.2	X	25.58512	136.67150	224.90712	2.63731	0.2591373	0.23513952	2.5996744	21	12 30.7	20.5
336416 2008 UG_{200}	16.7	X	354.95374	0.28727	30.53031	4.88520	0.0750820	0.23161375	2.6259906	21	11 25.1	19.8
336417 2008 UD_{201}	16.7	X	343.34573	29.27581	2.31351	3.62171	0.1865294	0.22832568	2.6511413	21	11 12.7	19.0
336418 2008 UB_{204}	16.6	X	52.62654	339.45614	3.03844	5.23779	0.2615861	0.23670964	2.5881657	21	—	—
336419 2008 UL_{207}	16.1	X	276.01467	48.19534	232.64110	8.85845	0.0658132	0.19095611	2.9866226	21	3 3.9	20.6
336420 2008 UM_{207}	15.9	X	42.00279	8.59231	232.82934	8.87018	0.0558139	0.20855212	2.8161751	21	7 10.1	19.6
336421 2008 UW_{213}	16.3	X	233.50653	207.69246	238.74080	12.62736	0.1481162	0.21438899	2.7648255	21	8 1.1	20.8
336422 2008 UZ_{216}	16.4	X	305.81780	69.65497	317.95610	7.17115	0.2347995	0.22274487	2.6952408	21	8 10.8	19.3
336423 2008 UF_{218}	16.5	X	263.64274	349.79253	320.38399	3.44536	0.0343218	0.19269771	2.9686000	21	3 31.5	20.7
336424 2008 UM_{227}	15.9	X	345.23032	31.78065	286.20378	3.93485	0.1545603	0.21199398	2.7856103	21	7 26.7	18.6
336425 2008 UZ_{227}	16.5	X	341.57384	40.49375	331.35221	12.25853	0.1865999	0.22540920	2.6739603	21	10 3.9	19.1
336426 2008 UX_{234}	16.3	X	17.44807	22.02384	233.68854	8.09442	0.1176995	0.21088527	2.7953651	21	6 26.9	19.5
336427 2008 UH_{240}	16.0	X	312.38834	221.93395	8.80494	9.13368	0.0456692	0.18419727	3.0592426	21	2 25.3	20.2
336428 2008 UO_{240}	16.6	X	345.80508	28.51485	311.22123	5.84319	0.0636980	0.21634487	2.7481366	21	8 29.6	20.0
336429 2008 UQ_{242}	15.8	X	267.49478	277.10218	320.95781	8.19304	0.0475643	0.17458094	3.1705760	21	1 11.9	20.4
336430 2008 UJ_{245}	16.7	X	340.61169	12.93541	311.61719	4.49652	0.0615289	0.21020590	2.8013849	21	8 1.6	20.2
336431 2008 UC_{247}	17.0	X	304.66711	127.70312	249.70098	2.52857	0.1108672	0.21367688	2.7709649	21	8 11.9	20.5
336432 2008 UK_{250}	16.5	X	353.69184	60.91493	240.78871	4.71965	0.1066709	0.21248616	2.7813071	21	7 19.6	19.7
336433 2008 UX_{252}	16.7	X	311.62827	283.33950	77.26425	0.86261	0.0860912	0.21453362	2.7635828	21	8 4.2	19.9
336434 2008 US_{258}	17.3	X	295.48361	69.34348	349.66596	0.89048	0.1795894	0.21982080	2.7190896	21	9 15.5	20.2
336435 2008 UG_{265}	16.9	X	358.09055	25.15810	281.55144	3.50409	0.0539959	0.21323578	2.7747850	21	8 3.5	20.5
336436 2008 UW_{265}	16.3	X	343.51892	121.13853	248.73635	6.34664	0.2203197	0.22555161	2.6728346	21	10 10.1	18.7
336437 2008 UC_{266}	16.9	X	219.72777	125.28426	331.58723	3.84543	0.0293309	0.21418233	2.7666038	21	8 16.4	20.6
336438 2008 UP_{281}	16.8	X	273.91008	73.54880	284.71996	0.94660	0.0810821	0.20378587	2.8599164	21	6 8.4	20.7
336439 2008 UZ_{282}	16.6	X	316.23025	282.74754	60.53764	5.34242	0.0786771	0.21327040	2.7744846	21	7 19.9	20.0
336440 2008 UD_{299}	16.8	X	341.45027	339.54569	347.36555	3.30758	0.0962916	0.21304475	2.7764434	21	8 5.7	19.9
336441 2008 UO_{301}	15.7	X	198.61082	196.86865	260.99478	13.02461	0.0988049	0.21185792	2.7868029	21	7 15.8	20.0
336442 2008 UP_{303}	16.8	X	299.36219	332.60393	32.33973	2.81467	0.0927472	0.21031271	2.8004363	21	7 21.8	20.4
336443 2008 UN_{305}	16.8	X	10.89772	73.49328	201.67315	11.37577	0.0941579	0.21510512	2.7586856	21	7 10.6	20.3
336444 2008 UR_{312}	15.7	X	232.38899	11.32042	292.53569	8.98807	0.0382149	0.18228475	3.0806036	21	2 15.4	20.2
336445 2008 UG_{316}	16.0	X	315.21489	274.22470	66.17049	15.89336	0.2709722	0.21276688	2.7788602	21	6 11.9	19.2
336446 2008 UD_{321}	17.2	X	14.03139	322.50454	358.57492	5.47427	0.1211591	0.22352162	2.6889932	21	9 24.9	20.0
336447 2008 UN_{324}	16.6	X	326.20309	75.61631	277.13221	3.04622	0.0895095	0.21287401	2.7779278	21	8 14.9	19.8
336448 2008 UP_{330}	17.0	X	354.66632	180.56472	210.11060	2.85718	0.2381101	0.23032808	2.6357535	21	12 13.6	19.3
336449 2008 UD_{339}	16.1	X	40.45470	130.39063	71.14696	3.02345	0.0350591	0.19343644	2.9610372	21	5 15.5	20.1
336450 2008 UF_{340}	15.5	X	318.64870	323.35476	253.34600	9.37203	0.0564056	0.17853541	3.1235836	21	2 8.8	20.0
336451 2008 UM_{340}	15.3	X	253.70384	31.18925	254.50359	7.99060	0.0489868	0.18077762	3.0977018	21	2 16.0	19.9
336452 2008 UQ_{341}	15.9	X	299.30034	235.01434	5.96749	4.83760	0.0960920	0.18124438	3.0923811	21	2 13.7	20.3
336453 2008 UO_{342}	17.2	X	293.56827	142.11772	185.85381	1.76016	0.0621319	0.20478044	2.8506490	21	5 28.6	20.9
336454 2008 UD_{344}	16.8	X	297.08021	86.19181	294.22662	3.27066	0.0873251	0.21357709	2.7718279	21	8 8.3	20.3
336455 2008 UE_{344}	16.7	X	287.00166	123.37985	278.03919	3.26649	0.0688473	0.21494592	2.7600476	21	8 24.1	20.2
336456 2008 UB_{358}	16.7	X	301.27831	271.13107	95.32680	4.61458	0.1160160	0.21163169	2.7887885	21	7 23.0	20.2
336457 2008 UJ_{358}	15.8	X	347.70970	310.84236	270.78778	7.59082	0.0937257	0.18862586	3.0111697	21	3 20.2	19.7
336458 2008 UU_{358}	15.9	X	200.99506	117.68263	231.81943	9.60816	0.0115304	0.18257630	3.0773232	21	3 5.7	20.5
336459 2008 UC_{360}	16.4	X	340.02759	21.94903	291.49673	6.73998	0.1877460	0.21006727	2.8026173	21	7 7.0	19.0
336460 2008 UL_{362}	16.1	X	315.02787	151.72989	303.71950	12.77863	0.1011717	0.23678417	2.5876226	21	12 22.4	19.0
336461 2008 UQ_{366}	15.4	X	255.69277	341.72057	265.03580	11.08382	0.1280996	0.17358001	3.1827528	21	1 1.3	20.4
336462 2008 UK_{368}	15.0	X	312.03625	349.88992	266.58488	9.45201	0.0201648	0.18029795	3.1031935	21	3 24.8	19.6
336463 2008 UT_{368}	15.9	X	149.12019	160.08057	282.23582	10.70476	0.1053063	0.18534620	3.0465870	21	5 6.1	20.7
336464 2008 VC_{2}	16.7	X	284.87400	29.95887	355.09894	5.73532	0.2954419	0.21437807	2.7649194	21	6 26.1	20.6
336465 Deluna	16.5	X	326.01365	253.31766	113.31173	6.68439	0.0979141	0.21856179	2.7295217	21	9 6.9	19.7
336466 2008 VJ_{4}	15.4	X	110.28466	213.48054	244.02450	12.84674	0.1859478	0.18561928	3.0435982	21	4 22.9	20.1
336467 2008 VG_{7}	15.9	X	355.75651	84.47489	260.26954	11.11316	0.1991939	0.22054386	2.7131433	21	9 24.2	18.7
336468 2008 VO_{7}	16.0	X	20.80935	35.60647	302.53115	8.37637	0.1194166	0.23001066	2.6381779	21	10 26.6	19.3
336469 2008 VS_{9}	16.3	X	329.57075	253.90858	163.62096	13.63027	0.1976431	0.22997514	2.6384495	21	11 26.3	19.0
336470 2008 VQ_{14}	15.7	X	153.01706	214.39293	219.05565	7.52916	0.1024598	0.19111814	2.9849343	21	5 1.4	20.2
336471 2008 VS_{14}	17.4	X	319.60912	85.10282	337.21373	6.72008	0.2837407	0.22632792	2.6667193	21	10 26.6	19.3
336472 2008 VX_{19}	17.1	X	290.36316	205.05633	197.27678	4.01376	0.0801232	0.21574712	2.7532102	21	8 28.8	20.6
336473 2008 VB_{20}	16.8	X	178.70491	338.38465	120.38402	3.14951	0.0217000	0.20320589	2.8653556	21	6 27.9	20.7
336474 2008 VJ_{23}	16.6	X	259.82640	203.28782	215.23710	5.13297	0.0556321	0.21058425	2.7980284	21	8 10.9	20.6
336475 2008 VF_{24}	17.2	X	39.22492	279.99296	73.98078	12.34460	0.2054623	0.23196369	2.6233488	21	12 29.6	20.8
336476 2008 VA_{27}	16.3	X	351.90241	16.78107	294.69243	3.31332	0.0614083	0.21260642	2.7802582	21	7 31.8	19.7
336477 2008 VD_{27}	16.7	X	47.57304	247.69023	7.55890	4.27849	0.0218895	0.21110392	2.7934347	21	8 5.0	20.4
336478 2008 VO_{27}	15.6	X	56.83830	248.54728	243.68827	10.39057	0.1693811	0.18207247	3.0829977	21	3 20.9	19.5
336479 2008 VH_{28}	16.4	X	356.90193	262.70249	28.33579	4.02299	0.0719671	0.20913361	2.8109524	21	7 12.2	19.9
336480 2008 VF_{47}	16.6	X	300.92392	163.16776	228.64578	7.27103	0.2234298	0.21692102	2.7432683	21	8 6.5	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336481 2008 VX_{48}	15.8	X	341.19216	304.19410	233.19237	8.44841	0.0421416	0.17516290	3.1635495	21	1 24.5	20.3
336482 2008 VL_{51}	16.0	X	352.12469	304.37613	277.99939	2.49089	0.0856706	0.18670658	3.0317704	21	3 31.8	19.8
336483 2008 VP_{53}	16.7	X	36.49850	242.70608	105.00774	5.12030	0.3088164	0.23485049	2.6018070	21	—	—
336484 2008 VH_{55}	16.6	X	275.64945	105.21898	222.74021	5.18382	0.0786574	0.20188524	2.8778380	21	5 2.4	20.6
336485 2008 VQ_{57}	16.3	X	212.47091	259.03007	72.70400	2.51398	0.0778595	0.18564671	3.0432984	21	3 1.3	20.9
336486 2008 VU_{58}	16.4	X	123.48776	302.98573	276.30946	3.94603	0.0766830	0.22205699	2.7008041	21	9 28.2	20.4
336487 2008 VZ_{59}	15.8	X	21.80848	286.25194	53.00738	14.46996	0.1987864	0.22707323	2.6608808	21	11 14.4	18.6
336488 2008 VL_{64}	16.4	X	31.45995	268.66323	64.79768	10.50635	0.2745135	0.22885697	2.6470366	21	12 3.2	19.5
336489 2008 WY_{2}	16.8	X	298.72469	133.38028	236.76484	11.81609	0.1782225	0.21584014	2.7524192	21	7 11.1	20.4
336490 2008 WF_{4}	16.7	X	330.56163	337.11186	14.53834	3.98190	0.1085109	0.21771809	2.7365688	21	8 22.5	19.8
336491 2008 WQ_{10}	16.6	X	294.54659	293.89815	65.51296	2.88632	0.1158653	0.21033904	2.8002027	21	7 2.8	20.3
336492 2008 WB_{11}	16.5	X	2.65321	80.65734	238.65414	5.52917	0.0320416	0.21396284	2.7684954	21	8 24.9	20.1
336493 2008 WK_{14}	16.9	X	13.77103	158.74002	217.54511	4.16014	0.3112925	0.23409493	2.6074023	21	—	—
336494 2008 WU_{16}	17.0	X	317.40747	348.03032	49.65042	2.71390	0.1728958	0.22360094	2.6883572	21	9 28.5	19.6
336495 2008 WC_{27}	15.4	X	65.06993	237.32737	245.55530	9.21239	0.0735799	0.18266771	3.0762965	21	3 9.9	19.6
336496 2008 WW_{31}	16.5	X	203.44191	30.59466	24.57583	2.00374	0.0845238	0.19700659	2.9251550	21	5 30.4	20.9
336497 2008 WV_{47}	15.4	X	274.70341	171.65173	71.70675	9.82799	0.0428833	0.17486759	3.1671101	21	1 27.7	20.0
336498 2008 WU_{48}	16.7	X	252.10394	297.43952	92.91370	3.25092	0.1019105	0.20671066	2.8328753	21	6 20.5	20.8
336499 2008 WL_{53}	16.6	X	250.24796	194.52172	192.54553	3.15738	0.0829272	0.20696357	2.8305670	21	6 16.5	20.6
336500 2008 WV_{64}	17.1	X	50.57933	73.89041	208.13685	4.37995	0.0813169	0.22034085	2.7148096	21	9 20.9	20.7
336501 2008 WJ_{71}	16.7	X	209.72184	207.65721	212.07282	5.45251	0.0558408	0.20482146	2.8502683	21	6 13.7	20.9
336502 2008 WQ_{78}	16.1	X	225.51499	103.99085	241.33248	9.62750	0.1274237	0.19256241	2.9699903	21	3 22.9	21.0
336503 2008 WL_{83}	17.1	X	298.75662	259.67772	144.98018	3.94763	0.1965304	0.21692878	2.7432029	21	8 29.2	20.2
336504 2008 WQ_{85}	15.7	X	91.37860	202.78544	263.78908	13.85081	0.1328235	0.17903534	3.1177661	21	3 31.9	20.3
336505 2008 WD_{108}	15.4	X	342.60414	271.97670	264.39577	14.40920	0.0707583	0.17593841	3.1542463	21	1 20.9	19.8
336506 2008 WJ_{118}	16.7	X	319.25415	281.54771	57.21088	5.18188	0.1179868	0.20879426	2.8139973	21	7 13.1	20.1
336507 2008 WR_{121}	17.2	X	20.59117	90.35996	276.76771	11.44737	0.3131908	0.23335636	2.6129010	21	—	—
336508 2008 WE_{125}	15.5	X	279.25920	341.71587	288.18074	9.08777	0.0505692	0.17698985	3.1417417	21	2 26.2	20.1
336509 2008 WS_{125}	15.4	X	164.24619	255.08958	120.65349	23.39872	0.2179720	0.17518667	3.1632633	21	3 19.1	21.1
336510 2008 WD_{129}	15.5	X	146.95793	272.71937	122.97025	16.94272	0.2461645	0.17589245	3.1547958	21	3 29.4	21.0
336511 2008 WF_{131}	15.9	X	73.03951	144.42175	198.39896	12.65678	0.2014185	0.23812451	2.5779035	21	—	—
336512 2008 WT_{138}	16.3	X	250.94714	200.04692	224.89818	4.82675	0.0426411	0.20865895	2.8152137	21	8 9.8	20.3
336513 2008 XD_{1}	16.1	X	315.70295	77.46438	301.63656	7.60129	0.2152209	0.21911289	2.7249430	21	8 18.7	18.9
336514 2008 XS_{27}	15.8	X	258.41423	46.96781	289.30468	8.90525	0.0326794	0.19378045	2.9575317	21	4 25.1	20.2
336515 2008 XU_{40}	15.7	X	136.16444	346.10479	98.14433	10.37329	0.1155055	0.18915734	3.0055267	21	5 2.2	20.4
336516 2008 XT_{47}	16.1	X	171.31314	273.10769	106.55242	5.14351	0.1915869	0.18147543	3.0897558	21	3 23.3	21.3
336517 2008 XU_{52}	16.0	X	1.79716	7.68941	21.11088	13.43953	0.2875598	0.22909229	2.6452237	21	—	—
336518 2008 YK_{9}	16.0	X	189.27579	254.61107	116.98773	10.40715	0.1402740	0.18768176	3.0212593	21	3 29.3	21.0
336519 2008 YM_{11}	15.5	X	149.17844	105.21751	288.60915	10.49581	0.2628100	0.17835859	3.1256477	21	3 18.4	21.0
336520 2008 YJ_{34}	16.1	X	138.87459	319.50773	112.73201	14.58274	0.1919475	0.18227894	3.0806691	21	4 29.9	21.3
336521 2008 YY_{65}	15.0	X	76.42853	151.01871	308.15169	16.03774	0.1217604	0.17091844	3.2157092	21	3 2.1	19.5
336522 2008 YM_{66}	16.5	X	16.84940	288.99947	36.74166	12.56007	0.2085615	0.22982939	2.6395649	21	10 21.4	19.2
336523 2008 YF_{78}	16.1	X	147.81340	277.85337	145.30690	6.33242	0.1491548	0.18011947	3.1052431	21	4 20.2	21.0
336524 2008 YM_{80}	15.4	X	180.55376	243.10637	101.83716	12.82041	0.1476949	0.17182039	3.2044456	21	2 19.3	20.7
336525 2008 YU_{87}	15.5	X	48.71865	224.86227	273.19760	8.13118	0.0362326	0.17526283	3.1623469	21	3 4.5	20.0
336526 2008 YJ_{93}	15.4	X	193.37449	93.82347	296.47525	7.79274	0.0384525	0.18331257	3.0690777	21	4 16.2	20.0
336527 2008 YW_{95}	15.6	X	218.75395	68.81338	292.94410	8.27879	0.0825683	0.18339603	3.0681465	21	4 7.4	20.4
336528 2008 YE_{116}	16.3	X	228.53481	133.48035	264.13811	1.50818	0.1027547	0.19461395	2.9490813	21	6 3.4	20.8
336529 2008 YR_{122}	15.4	X	170.80336	239.67446	118.78504	17.07040	0.1217093	0.17365262	3.1818655	21	2 24.4	20.5
336530 2008 YJ_{135}	15.6	X	136.39115	99.55084	316.78780	15.32869	0.2430008	0.17968650	3.1102293	21	3 30.2	20.9
336531 2008 YS_{144}	15.3	X	87.39657	180.61652	280.02429	8.47771	0.0993818	0.17338576	3.1851296	21	3 16.9	19.9
336532 2008 YH_{153}	15.8	X	244.95882	322.89878	293.35670	3.27555	0.0413319	0.16308075	3.3179328	21	1 10.2	20.6
336533 2008 YS_{154}	16.3	X	238.86068	65.83402	297.93274	5.16967	0.1036198	0.18829297	3.0147177	21	5 1.4	21.0
336534 2008 YO_{156}	16.7	X	189.54741	270.90321	157.10589	4.88712	0.2149117	0.19216478	2.9740860	21	6 1.3	21.9
336535 2008 YF_{164}	15.6	X	216.18330	116.91341	281.62321	7.34072	0.0648823	0.19234059	2.9722733	21	5 23.9	20.1
336536 2009 AB_{26}	16.3	X	132.39862	145.69125	285.06556	3.79215	0.1271999	0.17892973	3.1189928	21	4 7.8	21.0
336537 2009 AL_{28}	15.8	X	208.61576	241.77665	125.44759	7.52980	0.1006266	0.18154816	3.0889306	21	4 10.8	20.7
336538 2009 AG_{32}	16.3	X	161.99102	260.21232	146.54153	1.97252	0.1347767	0.17947466	3.1126763	21	4 11.6	21.2
336539 2009 BW_{9}	15.9	X	213.16467	224.19981	120.86805	12.32097	0.0996329	0.17842428	3.1248805	21	3 21.4	20.9
336540 2009 BD_{25}	15.7	X	204.05244	35.78631	331.10719	9.10178	0.0738000	0.17914685	3.1164722	21	3 30.6	20.5
336541 2009 BS_{38}	15.0	X	110.64651	138.80317	109.75022	4.15038	0.1214413	0.12504279	3.9606240	21	10 18.0	20.9
336542 2009 BM_{52}	15.9	X	133.47357	285.61617	141.78775	15.31820	0.2828760	0.17642230	3.1484761	21	4 26.2	21.4
336543 2009 BF_{57}	16.4	X	189.45304	188.67242	153.41268	4.42705	0.1621057	0.17293003	3.1907231	21	2 20.7	21.6
336544 2009 BF_{63}	15.1	X	173.35581	332.26698	321.94003	9.54321	0.0791018	0.15241291	3.4710021	21	—	—
336545 2009 BF_{96}	16.5	X	140.95144	46.64908	30.50337	3.55619	0.1697723	0.18193095	3.0845962	21	4 29.4	21.3
336546 2009 BP_{97}	15.5	X	198.14202	43.49672	340.77294	14.77967	0.1080992	0.18257742	3.0773107	21	4 11.1	20.6
336547 2009 BQ_{132}	15.5	X	190.84019	113.97045	261.09212	8.07010	0.0812929	0.17906621	3.1174078	21	3 26.5	20.5
336548 2009 BG_{142}	15.8	X	203.34141	17.74389	335.01256	10.20178	0.2270278	0.17498810	3.1656559	21	3 13.9	21.4
336549 2009 CT_{33}	15.1	X	88.45298	37.48910	238.43415	1.75179	0.1591703	0.12591106	3.9423950	21	10 29.0	20.9
336550 2009 CM_{45}	15.7	X	195.00477	46.72511	315.75845	12.29881	0.2615232	0.18188876	3.0850732	21	3 15.6	21.4
336551 2009 CZ_{50}	15.5	X	151.61806	61.80924	345.49736	18.68761	0.1479704	0.17457132	3.1706925	21	3 28.3	20.6
336552 2009 DC_{15}	15.8	X	159.30126	102.91570	333.31007	13.69082	0.1155891	0.18203629	3.0834061	21	5 7.2	20.8
336553 2009 EY_{27}	15.3	X	142.56519	262.71010	181.83782	25.21864	0.2708659	0.17873368	3.1212732	21	5 19.6	21.0
336554 2009 FP_{39}	16.0	X	140.36537	281.44122	177.40560	15.16942	0.2129466	0.18100419	3.0951163	21	5 30.5	21.3
336555 2009 JA_{2}	14.0	X	288.06526	134.71562	186.50931	20.77958	0.0687771	0.08238273	5.2309263	21	5 20.6	21.0
336556 2009 KK_{36}	17.0	X	329.50326	279.07227	247.36784	19.75401	0.0476543	0.38503862	1.8712559	21	—	—
336557 2009 PX_{12}	17.8	X	170.79914	45.51105	345.24656	4.74436	0.1650414	0.29593180	2.2301888	21	3 20.8	21.0
336558 2009 RM_{34}	16.6	X	242.49052	222.45769	21.66289	6.03250	0.0904181	0.27697658	2.3308126	21	—	—
336559 2009 RY_{48}	18.0	X	244.68084	289.45308	9.60258	3.46754	0.1815667	0.29505230	2.2346184	21	2 2.9	21.5
336560 2009 RM_{54}	18.0	X	156.84401	293.85278	160.63817	2.66783	0.0329831	0.30353312	2.1927982	21	5 21.8	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336561 2009 RF_{66}	17.3	X	24.06354	304.77403	278.19990	5.59049	0.0523849	0.31007114	2.1618646	21	5 10.2	19.4
336562 2009 SY_{13}	18.4	X	226.48132	55.04217	342.66878	3.28430	0.1607707	0.31107630	2.1572051	21	5 22.7	21.6
336563 2009 SL_{19}	18.0	X	259.53142	178.40628	136.12851	3.96054	0.2045872	0.30321011	2.1943552	21	3 5.3	21.4
336564 2009 SQ_{26}	17.9	X	208.60285	76.21540	186.78052	4.55119	0.1706575	0.27892100	2.3199675	21	—	—
336565 2009 SK_{30}	17.9	X	304.76601	196.82559	41.64482	3.00193	0.0839840	0.29242252	2.2479958	21	1 28.9	20.6
336566 2009 SJ_{53}	17.2	X	216.57140	29.70574	342.27795	7.38815	0.1626152	0.30269279	2.1968547	21	4 6.8	20.5
336567 2009 SX_{56}	17.5	X	257.50266	10.33490	339.72941	6.65523	0.1967980	0.30730243	2.1748304	21	4 15.3	20.9
336568 2009 SF_{67}	17.9	X	152.37898	194.52336	228.51736	3.15396	0.1949885	0.29082404	2.2562256	21	4 16.9	21.1
336569 2009 SV_{111}	18.0	X	346.23489	9.82360	308.76103	3.24246	0.1174899	0.32232707	2.1067105	21	8 7.1	19.2
336570 2009 SA_{115}	18.7	X	292.93344	76.14069	239.75013	2.91551	0.1717707	0.31067581	2.1590585	21	4 13.4	21.4
336571 2009 SB_{125}	17.2	X	345.73855	291.48317	218.90332	7.81999	0.0937802	0.27723357	2.3293719	21	—	—
336572 2009 SQ_{125}	18.0	X	265.77210	89.64859	213.69059	6.93235	0.1763396	0.30068624	2.2066173	21	2 23.7	21.5
336573 2009 SS_{125}	17.7	X	217.79787	3.29884	277.03875	3.38174	0.0563557	0.28093135	2.3088864	21	—	—
336574 2009 SU_{127}	17.7	X	293.75484	336.72365	346.66770	5.13655	0.1417674	0.31055956	2.1595973	21	4 29.1	20.2
336575 2009 SM_{129}	16.9	X	4.50713	109.98577	25.02491	7.49994	0.0714322	0.27786000	2.3258696	21	—	—
336576 2009 SB_{138}	18.0	X	295.91411	272.42757	19.94954	2.98705	0.2076685	0.30519227	2.1848436	21	3 12.7	20.8
336577 2009 SR_{172}	18.6	X	277.28915	247.65642	95.49623	2.15134	0.1217779	0.31299476	2.1483812	21	5 11.2	21.1
336578 2009 SB_{173}	17.4	X	302.51583	231.15946	321.57885	5.42387	0.1022791	0.28133451	2.3066801	21	—	—
336579 2009 SL_{183}	17.0	X	177.63273	270.60055	315.86755	5.67239	0.1038306	0.25844625	2.4409332	21	12 10.1	20.7
336580 2009 SY_{185}	17.7	X	330.00503	11.84045	162.49660	5.16745	0.1313801	0.27798810	2.3251550	21	—	—
336581 2009 SO_{186}	17.3	X	173.78881	146.27864	83.69015	3.77018	0.1351862	0.25802179	2.4436094	21	12 8.8	21.0
336582 2009 SG_{267}	17.0	X	107.26864	336.33116	344.18098	3.62860	0.0311160	0.26141594	2.4224120	21	—	—
336583 2009 SG_{290}	18.0	X	246.91807	295.46033	57.81339	5.19739	0.2058220	0.30491706	2.1861581	21	4 13.3	21.4
336584 2009 SD_{328}	17.9	X	221.67918	168.42221	203.11113	5.57992	0.1196664	0.30142588	2.2030060	21	4 15.5	21.1
336585 2009 SW_{339}	15.1	X	308.10301	88.50411	105.44254	17.14494	0.0743849	0.17434154	3.1734778	21	1 2.0	19.6
336586 2009 SV_{343}	18.0	X	265.53971	94.57268	171.33475	7.80820	0.1129930	0.28860252	2.2677890	21	1 14.5	21.4
336587 2009 SX_{346}	18.1	X	261.97945	192.47759	92.52758	3.44827	0.0896427	0.29340485	2.2429755	21	2 7.4	21.0
336588 2009 SK_{355}	17.4	X	162.81723	282.89149	36.99906	7.44818	0.1372880	0.27260996	2.3556363	21	—	—
336589 2009 SP_{356}	17.7	X	262.02776	105.80047	122.48537	4.09678	0.1675491	0.27599336	2.3363449	21	—	—
336590 2009 SZ_{358}	16.9	X	106.50727	203.54979	217.02555	6.21273	0.0770076	0.27843432	2.3226702	21	1 30.2	19.7
336591 2009 SM_{360}	17.6	X	217.82787	229.80426	118.91592	5.81108	0.1554692	0.29371847	2.2413785	21	3 14.9	21.1
336592 2009 SZ_{361}	15.6	X	0.93732	296.33029	255.64655	8.67691	0.1101378	0.18644336	3.0346232	21	2 28.9	19.5
336593 2009 SH_{364}	17.2	X	12.35987	354.50798	139.70718	6.38190	0.0319792	0.28017233	2.3130546	21	—	—
336594 2009 TY_{1}	17.7	X	131.40810	37.57133	25.75820	3.19880	0.1915234	0.28834668	2.2691302	21	3 27.1	20.6
336595 2009 TJ_{9}	17.9	X	190.89709	154.44520	197.06665	3.24815	0.1657399	0.29019456	2.2594871	21	2 18.4	21.3
336596 2009 TX_{13}	17.4	X	158.86218	70.13614	315.95515	5.46009	0.1126709	0.29197954	2.2502690	21	2 25.1	20.2
336597 2009 TF_{14}	18.1	X	195.47621	220.22802	199.67138	1.34142	0.1611663	0.30290724	2.1958177	21	5 23.1	21.4
336598 2009 TE_{21}	17.7	X	208.55810	331.51518	57.53685	5.50811	0.1498485	0.30153131	2.2024925	21	4 25.7	21.0
336599 2009 TB_{28}	17.1	X	150.95714	272.03701	92.86277	10.35569	0.1490303	0.28163904	2.3050170	21	1 27.8	20.2
336600 2009 TW_{35}	17.6	X	175.09604	235.66780	198.01324	5.65460	0.1025554	0.30266759	2.1969766	21	5 19.9	20.6
336601 2009 TQ_{39}	17.9	X	148.23300	187.91910	213.02098	6.11758	0.1514958	0.28895728	2.2659324	21	3 8.5	21.0
336602 2009 TY_{42}	17.0	X	97.68635	136.37896	280.12638	4.23408	0.0321831	0.27853881	2.3220892	21	1 7.6	19.5
336603 2009 TS_{47}	18.2	X	268.13713	180.32855	141.25003	4.40144	0.1823075	0.30436914	2.1887810	21	3 25.2	21.4
336604 2009 UL_{5}	17.0	X	244.16382	14.85310	320.58971	6.32480	0.2170734	0.30221832	2.1991534	21	3 14.5	20.6
336605 2009 UM_{5}	16.4	X	27.16345	239.16871	225.31063	9.65803	0.1715956	0.27064369	2.3670319	21	—	—
336606 2009 UX_{26}	17.6	X	162.44285	228.59370	210.81979	5.51626	0.1360121	0.29714085	2.2241350	21	5 15.5	20.8
336607 2009 UT_{38}	17.0	X	212.51788	65.12538	214.72591	6.80434	0.1103927	0.27492689	2.3423830	21	—	—
336608 2009 UD_{51}	17.1	X	24.11720	187.24307	250.68247	2.68075	0.1288655	0.26588648	2.3951821	21	—	—
336609 2009 UV_{56}	17.5	X	146.17252	335.59974	318.92112	1.64864	0.1219764	0.26531828	2.3986006	21	—	—
336610 2009 UT_{58}	18.0	X	155.47753	203.36648	252.37762	2.95560	0.0609108	0.30133464	2.2034507	21	5 23.5	20.8
336611 2009 UK_{87}	17.6	X	214.72993	139.93017	262.12445	5.32807	0.1502340	0.30298505	2.1954418	21	5 17.7	20.7
336612 2009 UL_{94}	18.1	X	240.91921	97.57346	287.53587	5.62028	0.1569451	0.30771085	2.1729055	21	5 21.0	21.2
336613 2009 UZ_{117}	17.8	X	194.47020	54.50687	310.13019	3.32404	0.2117344	0.29389077	2.2405024	21	3 11.2	21.4
336614 2009 UC_{140}	17.7	X	150.62523	199.90851	215.28495	1.70849	0.1389992	0.28814272	2.2702009	21	3 30.7	20.7
336615 2009 VP_{2}	15.7	X	246.58270	176.34586	326.11633	12.03484	0.2002054	0.24217040	2.5491106	21	10 21.4	19.6
336616 2009 VB_{23}	17.3	X	253.86349	48.78096	217.68148	4.51158	0.0668696	0.27804085	2.3248609	21	1 7.6	20.4
336617 2009 VP_{23}	16.7	X	96.03473	297.06838	79.52151	6.85024	0.1591737	0.26848962	2.3796754	21	—	—
336618 2009 VV_{23}	16.5	X	159.99940	282.76865	265.20099	10.27390	0.1390914	0.23236420	2.6203335	21	9 26.5	20.9
336619 2009 VH_{40}	17.7	X	128.14910	189.54404	227.54037	6.27696	0.0748430	0.28571287	2.2830540	21	2 22.4	20.6
336620 2009 VA_{41}	16.9	X	180.03469	62.98591	219.95179	8.47078	0.0441658	0.26614159	2.3936513	21	—	—
336621 2009 VH_{45}	17.2	X	99.63391	76.72980	11.54946	7.04644	0.1318848	0.28309299	2.2971180	21	3 11.9	19.7
336622 2009 VJ_{49}	17.0	X	228.45512	15.12972	270.65415	4.14373	0.1313551	0.28026409	2.3125497	21	1 4.2	20.5
336623 2009 VK_{49}	17.8	X	222.23616	14.65951	18.56631	3.51253	0.1898295	0.30312056	2.1947874	21	5 11.4	21.2
336624 2009 VO_{55}	17.7	X	190.84825	39.97948	263.96040	4.80532	0.1736432	0.27738057	2.3285489	21	—	—
336625 2009 VO_{58}	17.3	X	177.46185	176.23661	156.82707	3.50055	0.2239975	0.28196406	2.3032454	21	1 19.6	20.9
336626 2009 VG_{63}	16.3	X	150.65513	314.09787	249.12850	6.84157	0.1076789	0.23442606	2.6049464	21	10 9.0	20.4
336627 2009 VO_{66}	17.8	X	166.72823	85.68009	260.87796	3.62055	0.1973742	0.28132759	2.3067180	21	1 24.0	21.3
336628 2009 VF_{75}	16.7	X	24.75878	224.95532	251.96495	11.46783	0.0803729	0.27387672	2.3483670	21	—	—
336629 2009 VG_{88}	16.6	X	122.18951	343.47515	270.85320	7.92474	0.1252997	0.24210122	2.5495962	21	11 15.8	20.6
336630 2009 VJ_{103}	16.4	X	29.58435	244.33100	89.41528	14.18009	0.1847456	0.23637825	2.5905842	21	11 21.8	19.7
336631 2009 VK_{103}	17.1	X	39.27229	155.04476	285.92839	5.66411	0.1061414	0.26089673	2.4256248	21	—	—
336632 2009 VV_{105}	17.3	X	263.53188	37.66857	279.30547	3.44575	0.2316000	0.30085338	2.2057999	21	3 7.7	20.7
336633 2009 VO_{114}	17.3	X	195.54790	294.40333	80.11062	9.49743	0.1691535	0.28728914	2.2746954	21	3 30.7	21.0
336634 2009 WE_{20}	17.5	X	131.48148	117.61842	273.25900	5.88923	0.1288681	0.27812210	2.3244081	21	2 2.1	20.5
336635 2009 WJ_{20}	16.8	X	63.67776	66.70028	282.12649	5.18658	0.0967732	0.25230380	2.4803913	21	—	—
336636 2009 WE_{29}	18.0	X	187.68323	284.82977	97.55383	1.66219	0.1179874	0.29091712	2.2557442	21	3 26.7	21.3
336637 2009 WD_{35}	17.2	X	39.46229	251.47116	230.72206	6.66247	0.0656609	0.27735566	2.3286883	21	1 11.1	19.8
336638 2009 WL_{43}	18.0	X	102.67095	271.22499	142.53693	1.69343	0.1728051	0.27490798	2.3424904	21	2 2.2	20.5
336639 2009 WY_{43}	16.0	X	213.48374	174.04148	282.88516	12.49516	0.1554958	0.21802250	2.7340210	21	7 27.1	20.3
336640 2009 WF_{46}	16.9	X	205.11570	59.06561	272.42367	5.53998	0.1344281	0.28357680	2.2945045	21	2 5.7	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336641 2009 WY_{74}	18.2	X	232.30611	94.66343	212.65038	5.41565	0.1993549	0.28704133	2.2760044	21	1 31.1	22.0
336642 2009 WR_{77}	17.2	X	124.46388	303.97545	302.76878	3.70689	0.0553505	0.24134471	2.5549213	21	11 4.8	20.8
336643 2009 WP_{87}	17.0	X	219.74902	27.13121	277.27621	6.37940	0.1272226	0.28087518	2.3091943	21	1 18.2	20.4
336644 2009 WB_{98}	17.7	X	359.22998	301.02650	211.99578	4.22140	0.0800070	0.27920113	2.3184155	21	—	—
336645 2009 WV_{116}	17.7	X	185.09303	32.77873	266.07597	3.36824	0.1015603	0.27221444	2.3579175	21	—	—
336646 2009 WY_{163}	17.0	X	176.07508	32.22011	268.09566	8.25665	0.1102098	0.26691304	2.3890369	21	—	—
336647 2009 WZ_{164}	17.6	X	176.13042	275.05342	64.24748	1.84297	0.1363898	0.27814849	2.3242611	21	1 20.6	20.9
336648 2009 WY_{165}	17.4	X	296.79695	288.60937	260.49354	5.98391	0.0409802	0.26572883	2.3961294	21	—	—
336649 2009 WT_{206}	18.2	X	66.71236	72.86755	21.24455	2.90641	0.1546176	0.27537662	2.3398320	21	1 25.7	20.3
336650 2009 WA_{218}	17.3	X	154.33881	231.15552	131.82076	6.22638	0.1857438	0.27951766	2.3166649	21	2 1.3	20.6
336651 2009 WL_{259}	16.3	X	184.78974	215.94854	267.61497	7.27369	0.1507612	0.21756458	2.7378559	21	8 2.5	20.8
336652 2009 WP_{259}	16.2	X	303.37276	316.58013	107.10620	14.72162	0.2489483	0.23483690	2.6019073	21	10 7.5	19.0
336653 2009 WS_{263}	17.8	X	70.77001	40.63987	21.19941	2.90441	0.1684924	0.26473332	2.4021326	21	—	—
336654 2009 XX_{2}	17.3	X	142.41305	340.37524	51.82726	3.13428	0.2071210	0.27947449	2.3169034	21	3 2.2	20.5
336655 2009 XC_{7}	16.4	X	271.40560	120.70555	350.89916	6.42160	0.1237550	0.24136801	2.5547569	21	10 29.6	19.6
336656 2009 XW_{18}	16.3	X	290.94599	236.06880	121.05834	6.49051	0.1107512	0.21545470	2.7557008	21	6 25.2	19.8
336657 2009 XX_{18}	16.2	X	245.58175	299.05859	111.46121	7.42457	0.0559247	0.21573354	2.7533258	21	7 15.1	19.8
336658 2009 XN_{19}	16.4	X	265.09297	337.54222	117.78118	5.74287	0.1421337	0.23088360	2.6315239	21	9 29.5	19.8
336659 2009 XP_{21}	15.9	X	122.83017	22.22443	96.65707	7.44953	0.0498517	0.20364256	2.8612579	21	5 19.8	19.9
336660 2009 XF_{24}	16.1	X	315.28075	180.00573	247.69777	13.13121	0.1259329	0.24142993	2.5543200	21	11 12.4	18.7
336661 2009 XJ_{24}	17.5	X	248.37601	208.17040	158.53641	6.16397	0.3098177	0.30469031	2.1872426	21	4 25.4	21.3
336662 2009 XV_{24}	17.0	X	170.45313	309.17240	62.12911	6.68827	0.2248716	0.28288223	2.2982588	21	3 5.6	20.7
336663 2009 YH_{2}	16.8	X	38.71267	76.34993	250.34843	5.28790	0.0966989	0.23451967	2.6042532	21	11 7.5	20.1
336664 2009 YG_{13}	15.8	X	249.66685	331.54006	260.30852	8.45159	0.1140134	0.17081937	3.2169525	21	—	—
336665 2009 YY_{13}	16.2	X	132.61530	45.28064	73.72959	7.42315	0.1078010	0.20458702	2.8524454	21	6 5.4	20.2
336666 2009 YR_{17}	15.2	X	287.84938	295.01122	279.66246	16.93860	0.2108661	0.17447922	3.1718081	21	—	—
336667 2009 YY_{19}	16.3	X	151.19644	246.88441	291.57054	5.13418	0.1362141	0.21862380	2.7290056	21	9 8.1	20.7
336668 2009 YS_{22}	16.7	X	227.95183	327.28841	131.55202	3.02162	0.0378183	0.22317610	2.6917678	21	8 29.3	20.3
336669 2009 YN_{24}	17.2	X	125.79828	27.95538	312.30416	6.06948	0.1195789	0.26030717	2.4292859	21	—	—
336670 2009 YZ_{24}	16.6	X	78.78014	212.81756	140.95231	7.29497	0.1925748	0.25214695	2.4814197	21	—	—
336671 2009 YS_{25}	15.6	X	261.01986	90.37772	131.58927	22.94665	0.0258095	0.16952400	3.2333192	21	—	—
336672 2010 AW_{7}	16.4	X	81.97580	325.97825	295.30766	6.05668	0.0383851	0.22392848	2.6857350	21	9 26.9	20.1
336673 2010 AY_{18}	16.1	X	40.66725	35.36792	292.84040	10.83569	0.0805499	0.23319491	2.6141069	21	11 6.7	19.7
336674 2010 AK_{24}	15.3	X	311.66754	72.29203	117.24150	14.55206	0.0480120	0.17355460	3.1830635	21	1 4.8	19.9
336675 2010 AP_{26}	17.0	X	178.97425	164.24267	336.33322	4.46315	0.0564682	0.21966786	2.7203516	21	8 22.6	21.0
336676 2010 AY_{31}	16.9	X	277.95122	192.85163	284.83740	2.97802	0.1937116	0.23616520	2.5921420	21	11 6.6	19.8
336677 2010 AF_{32}	17.7	X	69.54806	138.86507	297.28564	2.53532	0.1750032	0.26457168	2.4031109	21	1 8.9	19.5
336678 2010 AR_{37}	16.6	X	188.29074	32.75204	99.42375	4.57980	0.1406808	0.21669755	2.7451540	21	8 20.4	21.0
336679 2010 AM_{39}	15.9	X	273.02136	148.82562	310.32102	32.31995	0.1576500	0.23285856	2.6166235	21	9 17.0	20.1
336680 Pavolpaulik	17.4	X	178.91279	87.97474	307.66724	7.02547	0.2313641	0.28717069	2.2753208	21	4 4.9	21.4
336681 2010 AB_{44}	15.7	X	225.27511	104.07366	290.70838	11.98975	0.0324096	0.20660682	2.8338245	21	5 31.8	19.9
336682 2010 AC_{44}	16.8	X	302.14104	156.53408	289.07877	7.99231	0.1318958	0.23822958	2.5771454	21	11 11.3	19.8
336683 2010 AA_{55}	17.2	X	329.73971	59.51312	17.30697	3.51033	0.1430345	0.23994941	2.5648163	21	12 23.4	19.7
336684 2010 AF_{56}	15.9	X	91.95799	354.44367	124.57151	10.39975	0.0223685	0.18886180	3.0086613	21	4 11.2	20.2
336685 2010 AK_{59}	16.8	X	309.13513	126.98177	335.84889	11.86908	0.1287030	0.24336454	2.5407651	21	12 23.4	19.6
336686 2010 AU_{59}	15.8	X	137.73108	217.21465	332.16801	12.72526	0.0969162	0.21857689	2.7293961	21	9 6.9	19.9
336687 2010 AB_{64}	16.6	X	297.82812	260.93207	86.11789	8.05356	0.1248581	0.21519352	2.7579301	21	6 18.9	20.0
336688 2010 AU_{66}	16.3	X	111.44389	309.29631	152.46976	6.82955	0.0596998	0.18953870	3.0014938	21	4 16.9	20.5
336689 2010 AF_{72}	16.6	X	358.69581	154.97628	247.44347	7.43628	0.1849014	0.24420507	2.5349317	21	—	—
336690 2010 AE_{75}	17.3	X	39.28199	195.79507	259.65076	4.33587	0.1951857	0.26590656	2.3950616	21	—	—
336691 2010 AW_{79}	15.5	X	296.22780	351.06516	300.96489	11.30766	0.1083748	0.19139616	2.9820430	21	4 2.9	19.9
336692 2010 AD_{80}	15.2	X	294.16834	273.24671	295.34936	13.69386	0.1076635	0.17068806	3.2186021	21	—	—
336693 2010 AA_{81}	16.1	X	234.21024	172.45541	298.91007	11.07153	0.1410603	0.22281990	2.6946357	21	9 4.0	20.2
336694 Fey	15.6	X	233.69449	324.78903	354.34449	8.68767	0.0618298	0.17434308	3.1734591	21	3 9.8	20.2
336695 2010 AN_{103}	15.7	X	84.98295	296.91114	170.22302	10.46903	0.0476944	0.17566621	3.1575039	21	3 19.5	19.9
336696 2010 BZ_{1}	16.4	X	229.18006	285.39753	142.57666	9.84909	0.1484926	0.21529025	2.7571040	21	7 8.3	20.7
336697 2010 BG_{53}	15.5	X	137.36550	288.30560	143.01178	16.13478	0.1073457	0.17866666	3.1220537	21	4 19.1	20.5
336698 Melbourne	15.5	X	350.50817	272.43338	284.53045	10.60173	0.0218254	0.18143241	3.0902443	21	2 27.5	19.9
336699 2010 CG_{1}	15.2	X	75.10090	332.68559	118.97699	23.31037	0.0865496	0.18033685	3.1027473	21	2 22.5	19.5
336700 2010 CK_{28}	16.2	X	192.46002	157.22765	282.82201	11.05546	0.0113742	0.20546701	2.8442951	21	6 21.1	20.2
336701 2010 CP_{32}	16.4	X	48.20481	186.46473	109.97397	6.39613	0.0403803	0.22143782	2.7058363	21	10 5.4	20.0
336702 2010 CN_{39}	15.8	X	273.04931	142.59537	145.38417	5.62936	0.1239054	0.18086680	3.0966835	21	3 8.2	20.3
336703 2010 CU_{41}	15.5	X	12.55589	205.70621	315.75357	15.07711	0.0509424	0.18050814	3.1007841	21	2 14.6	19.7
336704 2010 CR_{43}	16.2	X	285.86433	273.71904	136.20994	13.98886	0.1908063	0.22500481	2.6771632	21	8 17.6	19.4
336705 2010 CG_{56}	16.2	X	249.10084	302.44339	161.01578	11.24780	0.1330804	0.22605720	2.6688478	21	9 18.7	19.9
336706 2010 CD_{60}	15.1	X	272.82212	63.93161	163.46325	16.00921	0.0380042	0.16949885	3.2336391	21	1 5.8	20.1
336707 2010 CR_{70}	16.6	X	8.28138	32.46821	308.37266	12.48709	0.1929058	0.22980380	2.6397608	21	10 15.2	19.6
336708 2010 CY_{74}	16.7	X	325.64122	226.31988	144.93388	5.48630	0.0485549	0.21945869	2.7220798	21	9 14.5	20.0
336709 2010 CJ_{85}	16.3	X	339.16497	50.02344	155.77492	1.71427	0.1095075	0.17772721	3.1330459	21	2 19.9	20.3
336710 2010 CE_{99}	16.7	X	279.76065	277.98593	146.45062	5.38657	0.1123224	0.21872927	2.7281283	21	9 9.9	20.2
336711 2010 CD_{100}	16.8	X	232.02575	334.05640	127.27342	3.29621	0.0733399	0.21946064	2.7220637	21	9 2.3	20.7
336712 2010 CQ_{120}	15.3	X	294.77020	269.86936	332.61348	13.55568	0.0617110	0.17971876	3.1098572	21	2 14.6	19.8
336713 2010 CF_{127}	15.3	X	184.55097	284.60398	331.84617	8.83800	0.0109117	0.15057575	3.4991779	21	—	—
336714 2010 CG_{127}	15.9	X	323.92577	278.57086	287.63968	3.26956	0.1084419	0.17111721	3.2132185	21	1 31.6	20.2
336715 2010 CN_{129}	16.4	X	218.30460	139.72747	329.83745	11.22345	0.0972779	0.21604675	2.7506641	21	8 24.0	20.2
336716 2010 CP_{137}	16.2	X	13.54572	73.69320	141.51070	2.43599	0.0512861	0.19212306	2.9745165	21	4 26.5	19.9
336717 2010 CE_{139}	16.1	X	156.35171	307.68084	110.37031	3.38619	0.0830041	0.18789066	3.0190195	21	4 16.3	20.6
336718 2010 CZ_{142}	16.2	X	35.88058	254.35093	304.25492	10.05449	0.0372764	0.19791745	2.9161732	21	4 30.5	20.3
336719 2010 CO_{149}	16.6	X	305.67883	234.49378	142.89422	5.09728	0.0887624	0.21450886	2.7637955	21	8 17.7	19.9
336720 2010 CK_{154}	16.7	X	3.21050	141.13841	59.54989	1.88113	0.0791774	0.18335071	3.0686521	21	3 23.6	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336721 2010 CM_{159}	16.5	X	184.46263	123.94461	337.82954	11.27009	0.1035401	0.20317176	2.8656765	21	7 10.4	21.1
336722 2010 CW_{171}	16.1	X	20.67082	190.75082	136.21569	15.95279	0.3028732	0.23123929	2.6288247	21	11 19.5	19.3
336723 2010 CD_{180}	16.0	X	208.46990	177.06322	329.26947	11.68840	0.0528097	0.22572970	2.6714286	21	9 29.3	20.0
336724 2010 DP_{8}	15.6	X	334.52772	224.05935	339.34513	8.80088	0.0380675	0.17496163	3.1659752	21	2 20.3	19.9
336725 2010 DE_{31}	15.7	X	173.32920	292.42518	129.18874	15.61914	0.0739579	0.17717837	3.1395128	21	5 13.1	20.7
336726 2010 DW_{34}	17.2	X	11.41630	290.91340	123.28085	2.75134	0.1557014	0.24543164	2.5264790	21	—	—
336727 2010 DR_{43}	16.1	X	59.73809	279.01638	184.52603	7.87303	0.0229963	0.17254371	3.1954839	21	2 6.5	20.6
336728 2010 DD_{75}	16.1	X	330.89709	59.37685	169.61284	11.62586	0.0363591	0.18017670	3.1045855	21	3 18.2	20.2
336729 2010 DE_{76}	17.4	X	65.72126	32.53283	20.29760	1.55256	0.1698067	0.25686015	2.4509713	21	—	—
336730 2010 DL_{77}	15.8	X	134.10540	274.81761	175.11411	7.81762	0.1383950	0.18791821	3.0187244	21	5 7.2	20.5
336731 2010 DO_{78}	15.4	X	338.56960	282.30290	268.27301	10.88838	0.1224062	0.17287865	3.1913552	21	1 27.7	19.6
336732 2010 EA_{14}	16.3	X	9.86960	22.07354	343.31953	7.59433	0.0923916	0.24240586	2.5474596	21	11 15.9	19.4
336733 2010 EW_{21}	15.6	X	351.53000	283.65622	258.07026	4.49693	0.0972967	0.17422158	3.1749344	21	2 8.2	19.7
336734 2010 EG_{35}	15.7	X	100.45621	256.01737	177.28617	17.56384	0.0892595	0.17727006	3.1384300	21	3 1.1	20.1
336735 2010 EG_{36}	15.0	X	26.50575	194.85947	287.15095	26.10014	0.1441063	0.17202313	3.2019274	21	1 16.6	18.7
336736 2010 EK_{45}	15.9	X	179.30501	276.08803	118.02992	4.53489	0.1242670	0.18561765	3.0436161	21	4 13.3	20.8
336737 2010 EE_{72}	16.7	X	302.05181	228.22483	171.10645	11.76540	0.1906307	0.21870931	2.7282942	21	8 26.7	19.7
336738 2010 EV_{86}	15.8	X	302.61872	347.67514	267.47979	3.95852	0.0845197	0.17804822	3.1292791	21	3 5.5	20.3
336739 2010 EU_{104}	15.2	X	40.93361	293.92005	258.10451	8.62385	0.0358322	0.18803533	3.0174708	21	5 2.2	19.3
336740 2010 EA_{108}	16.0	X	178.39872	171.53615	175.39656	13.80847	0.0406497	0.16936383	3.2353575	21	2 9.8	20.9
336741 2010 EX_{132}	15.6	X	146.04847	196.86247	201.89422	15.58859	0.0179202	0.17238773	3.1974111	21	3 2.9	20.4
336742 2010 ET_{136}	15.8	X	278.69213	93.29598	184.27209	9.08010	0.0364939	0.17609379	3.1523906	21	3 11.9	20.3
336743 2010 FL_{15}	15.9	X	181.88803	349.48177	80.27911	2.91254	0.0969733	0.19321969	2.9632511	21	5 26.5	20.3
336744 2010 FW_{24}	16.0	X	144.24648	257.86164	167.06212	10.52577	0.0438377	0.17977210	3.1092420	21	4 8.9	20.5
336745 2010 FN_{29}	16.1	X	140.99103	257.07805	186.15406	9.89844	0.0869124	0.18575229	3.0421452	21	5 1.3	20.7
336746 2010 FL_{30}	16.3	X	204.47396	166.57429	195.65097	9.31668	0.0620489	0.17687552	3.1430953	21	3 28.9	20.9
336747 2010 FD_{81}	15.7	X	145.05219	265.82361	195.58748	9.60109	0.0710676	0.19012130	2.9953589	21	5 26.3	20.2
336748 2010 FG_{100}	16.3	X	98.75563	291.59116	194.99719	9.43863	0.0559259	0.18339477	3.0681606	21	5 1.4	20.6
336749 2010 GT_{101}	16.9	X	328.16828	257.15243	170.01025	2.84355	0.0681571	0.22594141	2.6697596	21	12 2.3	20.0
336750 2010 GM_{104}	16.5	X	115.74032	100.02497	2.37278	1.28642	0.1524346	0.18322776	3.0700247	21	5 2.7	21.1
336751 2010 GE_{116}	15.9	X	39.68710	0.24065	138.49334	5.31770	0.1651498	0.17372489	3.1809830	21	3 6.6	19.6
336752 2010 HQ_{61}	17.1	X	307.27460	240.78737	210.38010	8.21236	0.1325796	0.23903033	2.5713866	21	12 1.8	19.9
336753 2010 HK_{85}	16.1	X	351.63672	303.87818	331.82991	11.24489	0.0954781	0.20203307	2.8764339	21	6 9.7	19.8
336754 2010 KK_{63}	15.7	X	111.91623	208.38056	167.98718	3.21687	0.2437588	0.12559385	3.9490304	21	2 4.3	21.7
336755 2010 KA_{95}	15.3	X	37.62280	230.46394	322.13484	8.97043	0.0163179	0.18945370	3.0023915	21	4 24.4	19.6
336756 2010 NV_{1}	10.4	X	0.82106	132.71977	136.09285	140.72621	0.9661329	0.00021243	278.1839727	21	6 25.7	23.8
336757 2010 QU_{4}	17.6	X	153.00787	259.38313	297.03315	13.33547	0.1405471	0.36814327	1.9280789	21	10 11.0	20.6
336758 2010 QQ_{5}	16.5	X	136.07306	17.91657	349.91408	15.76519	0.1874843	0.22038996	2.7144063	21	2 3.0	20.7
336759 2010 UD_{5}	16.9	X	255.31567	53.43579	234.19467	7.70019	0.0229293	0.22135567	2.7065057	21	2 16.5	20.8
336760 2010 UM_{9}	16.5	X	97.50299	93.78728	32.52208	10.59453	0.1287875	0.22857560	2.6492085	21	5 4.1	20.1
336761 2011 AP_{4}	17.1	X	73.83901	258.04513	115.80705	24.55281	0.0894240	0.37314869	1.9107980	21	—	—
336762 2011 AG_{27}	17.1	X	69.20681	119.19661	294.78774	19.20587	0.0860842	0.37920274	1.8904059	21	—	—
336763 2011 AD_{36}	17.0	X	291.24702	281.57479	284.98394	5.94625	0.1282622	0.28099970	2.3085120	21	—	—
336764 2011 AX_{56}	17.7	X	214.19082	86.63305	136.47514	1.98824	0.1335259	0.26386407	2.4074053	21	—	—
336765 2011 AA_{57}	16.1	X	15.80550	183.22429	103.21885	9.12312	0.1975945	0.21644718	2.7472706	21	8 19.4	18.8
336766 2011 AX_{77}	16.1	X	125.80037	263.56388	307.90111	26.64670	0.1618161	0.23644753	2.5900781	21	9 13.6	20.7
336767 2011 BU_{19}	17.7	X	273.65601	2.03371	199.41383	1.98037	0.1533942	0.27144191	2.3623892	21	—	—
336768 2011 BH_{20}	17.7	X	346.58897	330.72669	292.85903	4.17240	0.1090293	0.30738598	2.1744362	21	5 2.1	19.7
336769 2011 BV_{22}	17.3	X	328.09224	161.89703	313.33797	17.71230	0.0831789	0.36474672	1.9400300	21	—	—
336770 2011 BM_{38}	16.7	X	247.73225	33.16242	160.01903	8.58207	0.1741587	0.26127571	2.4232787	21	—	—
336771 2011 BE_{40}	17.0	X	75.85383	207.62431	119.50288	24.92737	0.0762898	0.35628419	1.9706297	21	—	—
336772 2011 BU_{50}	17.4	X	286.59273	346.97506	231.46008	4.91805	0.1732236	0.28074443	2.3099112	21	—	—
336773 2011 BB_{54}	17.0	X	26.14254	176.39937	322.60311	7.87052	0.0530155	0.29168484	2.2517844	21	1 13.3	19.4
336774 2011 BC_{63}	15.2	X	235.70292	84.29566	158.47329	20.63016	0.0968459	0.17584058	3.1554161	21	—	—
336775 2011 BG_{64}	16.9	X	159.68303	340.47217	299.81047	6.46670	0.1134450	0.26520588	2.3992783	21	—	—
336776 2011 BG_{85}	16.3	X	293.18541	255.52354	274.61700	18.06416	0.1330185	0.27061045	2.3672257	21	—	—
336777 2011 BQ_{88}	16.7	X	96.07325	270.60625	308.34200	7.01506	0.0744796	0.23020630	2.6366829	21	8 27.0	20.3
336778 2011 BB_{106}	17.6	X	275.22198	2.98945	295.87010	6.05994	0.2179254	0.30046402	2.2077051	21	2 24.0	21.1
336779 2011 BL_{107}	17.4	X	248.05435	95.59395	193.90498	7.05809	0.1630112	0.28952141	2.2629881	21	1 23.6	21.1
336780 2011 BV_{109}	18.0	X	233.83745	112.47332	197.23436	6.92328	0.1707204	0.29258847	2.2471458	21	2 3.9	21.7
336781 2011 BX_{124}	17.7	X	176.02206	199.83759	70.15594	2.20765	0.1702252	0.26765238	2.3846353	21	—	—
336782 2011 CA_{3}	16.9	X	299.33622	113.59051	40.62387	5.84991	0.1216905	0.27106595	2.3645731	21	—	—
336783 2011 CS_{16}	17.2	X	242.48553	81.36093	166.45170	0.39163	0.1771132	0.27572506	2.3378603	21	—	—
336784 2011 CV_{17}	16.9	X	209.54322	127.84297	93.73803	4.68667	0.1728893	0.26075169	2.4265242	21	12 31.8	20.4
336785 2011 CV_{18}	16.7	X	106.10273	97.17146	131.69697	10.13901	0.1574894	0.23629884	2.5911645	21	10 6.1	20.8
336786 2011 CZ_{21}	17.6	X	99.34639	234.06884	151.12194	27.11154	0.1430119	0.37602582	1.9010386	21	—	—
336787 2011 CK_{28}	16.5	X	176.55741	281.62184	321.61813	8.99765	0.2141091	0.25827019	2.4420423	21	12 23.2	20.5
336788 2011 CV_{32}	17.5	X	185.70811	293.76529	331.17276	5.49203	0.1192760	0.27002439	2.3706497	21	—	—
336789 2011 CC_{47}	16.3	X	122.54646	272.82401	280.49147	7.27569	0.1455005	0.23036841	2.6354459	21	8 29.8	20.5
336790 2011 CD_{47}	16.9	X	293.69168	310.10760	174.13733	22.96514	0.0888184	0.35337932	1.9814143	21	—	—
336791 2011 CR_{54}	18.1	X	257.10104	330.53322	326.31929	2.99984	0.1915227	0.29464315	2.2366867	21	2 9.8	21.5
336792 2011 CZ_{56}	17.8	X	302.10236	296.02415	323.52739	6.41246	0.0425808	0.29837208	2.2180122	21	2 26.4	20.2
336793 2011 CM_{57}	18.1	X	357.62896	55.54442	150.83451	2.65508	0.0967844	0.29777749	2.2209637	21	2 26.7	20.0
336794 2011 CL_{71}	17.7	X	120.18625	64.68798	323.41557	18.98603	0.1328365	0.38336647	1.8766933	21	—	—
336795 2011 CU_{72}	17.2	X	353.59108	256.69576	277.40548	9.62473	0.1253775	0.28820753	2.2698605	21	1 1.6	19.6
336796 2011 CB_{74}	16.3	X	47.38365	298.25242	319.54458	11.94137	0.2362581	0.22386549	2.6862388	21	9 5.9	19.6
336797 2011 CS_{75}	17.4	X	330.02628	178.22103	10.28590	4.99848	0.0768225	0.28684640	2.2770354	21	—	—
336798 2011 CM_{79}	17.2	X	209.47874	1.10330	307.70272	8.27383	0.1015767	0.28558127	2.2837553	21	1 13.3	20.5
336799 2011 CK_{81}	17.4	X	191.23709	358.39671	270.01369	1.69506	0.1923647	0.26679750	2.3897266	21	—	—
336800 2011 CK_{85}	17.2	X	99.88393	260.55608	324.42637	5.07499	0.1721245	0.23025006	2.6363489	21	9 19.9	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336801 2011 CL_{91}	17.2	X	113.17810	327.10896	281.59397	5.58080	0.1300345	0.24287960	2.5441459	21	10 30.5	21.2
336802 2011 CK_{93}	17.7	X	195.12397	21.03814	227.04851	4.34326	0.0892113	0.26527581	2.3988566	21	—	—
336803 2011 CH_{111}	17.4	X	263.19006	337.37991	276.70558	4.16981	0.1231901	0.28158493	2.3053124	21	—	—
336804 2011 DR_{2}	17.8	X	343.13551	240.93872	338.45851	3.12895	0.1024809	0.29394838	2.2402097	21	2 21.8	20.1
336805 2011 DV_{2}	17.7	X	280.14017	111.77560	121.88612	1.78117	0.0794882	0.28306045	2.2972941	21	—	—
336806 2011 DE_{8}	16.6	X	57.51621	285.50212	3.79176	12.53487	0.1474280	0.23152356	2.6266725	21	10 19.3	20.2
336807 2011 DS_{8}	15.7	X	300.15345	110.31535	140.01567	10.24752	0.0741800	0.19039902	2.9924455	21	2 27.3	19.8
336808 2011 DA_{10}	16.4	X	161.18602	168.50289	11.48191	7.87913	0.1371767	0.23390646	2.6088027	21	9 23.9	20.4
336809 2011 DP_{14}	18.0	X	321.18794	323.80427	297.62839	2.20548	0.1006752	0.30228231	2.1988430	21	3 18.2	20.2
336810 2011 DS_{18}	17.6	X	292.47778	38.90989	180.61085	4.92498	0.1694568	0.28019615	2.3129235	21	—	—
336811 2011 DL_{21}	17.2	X	214.47404	288.99391	338.52104	8.78032	0.2081667	0.27046438	2.3680779	21	—	—
336812 2011 DN_{21}	16.4	X	157.69513	220.41556	342.11227	13.58663	0.1166747	0.23818513	2.5774660	21	10 12.6	20.7
336813 2011 DW_{24}	16.9	X	124.36261	177.79637	128.50596	2.95409	0.1802262	0.25710043	2.4494440	21	—	—
336814 2011 DA_{42}	16.3	X	125.18110	303.00071	357.89369	6.39277	0.1141896	0.25589196	2.4571497	21	—	—
336815 2011 EW	16.8	X	202.81016	224.77514	356.52465	7.00236	0.1884843	0.25794901	2.4440691	21	12 22.1	20.5
336816 2011 ED_{5}	17.6	X	231.50763	260.13192	12.71334	3.21089	0.1083769	0.28081327	2.3095337	21	—	—
336817 2011 EY_{10}	17.8	X	41.94196	165.64971	8.76624	3.00582	0.0771632	0.29904878	2.2146649	21	3 30.4	19.7
336818 2011 EH_{19}	16.4	X	154.19104	62.42460	155.99488	14.72181	0.1055006	0.24078875	2.5588525	21	11 8.1	20.5
336819 2011 EW_{25}	16.9	X	140.10427	153.47122	82.80245	3.12606	0.0942322	0.24087939	2.5582105	21	11 12.2	20.6
336820 2011 EZ_{25}	17.2	X	200.36968	167.52740	132.84732	6.12766	0.1268650	0.27589973	2.3368735	21	—	—
336821 2011 EP_{35}	16.8	X	41.10437	275.40013	347.35920	5.44512	0.1140943	0.22300991	2.6931049	21	8 18.8	20.0
336822 2011 EZ_{37}	17.0	X	68.30171	160.67963	137.23300	9.16051	0.1220224	0.23600779	2.5932944	21	11 16.0	20.7
336823 2011 EH_{40}	16.8	X	96.82751	76.19298	163.24450	12.50150	0.1386909	0.22949211	2.6421505	21	10 5.5	20.7
336824 2011 EU_{41}	15.5	X	288.19216	84.23609	153.60056	16.97162	0.2396131	0.18077427	3.0977401	21	1 9.9	20.6
336825 2011 EY_{43}	17.3	X	248.29652	97.40748	95.77097	2.59291	0.1375345	0.26088130	2.4257204	21	—	—
336826 2011 EJ_{54}	16.6	X	82.47454	78.88612	142.62849	5.27233	0.0862305	0.22042089	2.7141523	21	8 15.9	20.1
336827 2011 EP_{54}	17.3	X	347.91991	194.81924	8.31568	7.45481	0.1047194	0.29065558	2.2570973	21	2 9.1	19.7
336828 2011 EO_{66}	17.4	X	205.26558	127.90102	128.20754	0.92570	0.1342375	0.26316630	2.4116588	21	—	—
336829 2011 EH_{69}	16.3	X	6.68176	200.86606	63.18065	5.58025	0.0227024	0.21408129	2.7674742	21	6 18.5	19.8
336830 2011 EF_{74}	16.3	X	54.57508	261.67224	352.63422	11.81329	0.0932792	0.22039202	2.7143893	21	8 25.9	19.7
336831 2011 EG_{77}	16.0	X	257.09943	284.52285	313.56563	8.30046	0.2181862	0.17567698	3.1573748	21	—	—
336832 2011 EL_{78}	16.7	X	146.87978	151.54781	26.64990	3.51184	0.0493217	0.23000535	2.6382185	21	9 4.7	20.3
336833 2011 FZ	16.3	X	44.21376	287.63901	3.08022	10.94947	0.1827240	0.22593891	2.6697793	21	10 9.3	19.6
336834 2011 FC_{1}	15.7	X	137.65575	304.21887	205.39117	14.91160	0.1185225	0.21571447	2.7534881	21	7 17.7	20.2
336835 2011 FH_{2}	17.1	X	235.50422	232.19461	37.74078	2.99697	0.1954946	0.26898326	2.3767630	21	—	—
336836 2011 FJ_{6}	16.6	X	11.15153	137.05641	147.60846	13.05259	0.1893628	0.21402790	2.7679344	21	8 1.6	19.4
336837 2011 FD_{8}	16.0	X	263.02456	105.29953	191.73378	13.31665	0.1084820	0.18931147	3.0038951	21	3 6.0	20.7
336838 2011 FR_{11}	16.8	X	36.69200	151.11967	92.49057	4.76875	0.0393705	0.21152614	2.7897162	21	7 5.3	20.2
336839 2011 FT_{16}	15.2	X	300.18120	42.91562	149.83073	19.17865	0.1439074	0.17630318	3.1498942	21	—	—
336840 2011 FU_{17}	15.6	X	317.59838	298.96681	291.32998	7.22770	0.3022232	0.18602422	3.0391797	21	1 22.2	19.9
336841 2011 FH_{24}	17.0	X	118.28544	320.48457	12.88942	4.76485	0.2111410	0.25851186	2.4405201	21	—	—
336842 2011 FM_{27}	16.6	X	298.42530	133.39115	128.71294	11.10554	0.0642371	0.19089549	2.9872549	21	3 15.3	20.8
336843 2011 FV_{28}	16.1	X	42.10836	168.27348	99.97009	9.31943	0.1712023	0.21987780	2.7186197	21	9 9.1	19.5
336844 2011 FA_{30}	16.4	X	17.02386	128.18796	125.70355	4.76977	0.1485367	0.21047537	2.7989933	21	6 26.1	19.2
336845 2011 FL_{32}	17.3	X	110.58665	222.29794	170.20442	7.30552	0.1044578	0.27425812	2.3461893	21	1 4.3	20.1
336846 2011 FC_{34}	15.8	X	285.31781	105.76711	171.55455	5.56158	0.1370507	0.18424773	3.0586841	21	3 5.6	20.3
336847 2011 FO_{37}	16.7	X	102.48669	253.24625	341.69619	12.28241	0.2199840	0.22712156	2.6605033	21	10 6.3	21.1
336848 2011 FL_{46}	16.4	X	263.90627	72.44688	200.47673	0.89654	0.0727973	0.18130153	3.0917312	21	2 12.8	21.0
336849 2011 FK_{47}	16.2	X	288.25974	172.41686	102.63916	2.86710	0.1429268	0.18567917	3.0429438	21	3 6.8	20.7
336850 2011 FB_{48}	15.5	X	230.48820	94.09674	209.17331	13.87157	0.0248600	0.17997675	3.1068845	21	2 12.0	20.3
336851 2011 FQ_{50}	17.1	X	158.14029	248.37309	327.54571	3.86625	0.0716055	0.23993848	2.5648942	21	11 3.5	20.8
336852 2011 FL_{51}	17.7	X	339.84425	148.83801	17.31741	2.59065	0.1445873	0.27822625	2.3238280	21	—	—
336853 2011 FN_{51}	15.5	X	270.42028	37.00269	196.39288	17.25059	0.1866343	0.17599285	3.1535959	21	—	—
336854 2011 FB_{53}	18.0	X	238.52733	24.01448	181.01506	2.62992	0.1639276	0.25952133	2.4341874	21	—	—
336855 2011 FU_{55}	16.0	X	86.15113	248.14435	18.89411	10.57444	0.1107437	0.23218283	2.6216979	21	10 22.3	19.8
336856 2011 FE_{56}	17.7	X	356.14652	162.06625	357.94318	3.34347	0.1457651	0.28058061	2.3108102	21	—	—
336857 2011 FZ_{82}	16.4	X	36.32958	247.86610	22.21305	9.14729	0.0667247	0.22094041	2.7098959	21	8 18.2	19.9
336858 2011 FB_{97}	16.8	X	77.10486	95.98881	203.84500	6.27508	0.1109049	0.23968093	2.5667313	21	11 25.5	20.4
336859 2011 FN_{103}	16.3	X	357.44567	164.23088	155.15431	12.89152	0.0948851	0.22801231	2.6535698	21	8 22.6	19.3
336860 2011 FN_{129}	16.7	X	84.48066	358.31328	277.29491	4.19585	0.1706405	0.23714426	2.5850025	21	11 7.6	20.6
336861 2011 FP_{129}	17.2	X	75.92191	187.82773	309.87109	6.30615	0.0429524	0.29794508	2.2201309	21	3 25.2	19.8
336862 2011 FY_{134}	17.6	X	159.83989	97.92596	188.69336	5.99236	0.1051387	0.25968231	2.4331813	21	—	—
336863 2011 FV_{140}	16.2	X	297.87756	177.96914	48.39614	5.44922	0.1265473	0.17958334	3.1114203	21	1 21.7	20.7
336864 2011 FA_{142}	16.3	X	348.49737	228.12811	55.56946	4.58489	0.0630431	0.21391104	2.7689424	21	6 17.5	19.6
336865 2011 FW_{144}	17.1	X	231.47807	342.44642	291.39089	6.58039	0.1073280	0.27930349	2.3178490	21	—	—
336866 2011 FG_{145}	16.2	X	138.18368	297.34466	301.05461	9.07049	0.0733710	0.24074413	2.5591687	21	11 8.7	20.1
336867 2011 FN_{146}	16.3	X	17.06736	305.44264	335.51345	8.70486	0.1682593	0.21692081	2.7432701	21	8 9.4	19.1
336868 2011 FV_{146}	17.0	X	193.95491	283.17195	297.50090	5.52485	0.1008302	0.25160557	2.4849780	21	12 20.0	20.6
336869 2011 FP_{151}	15.5	X	304.90763	263.31377	320.96301	21.28081	0.1273879	0.18435286	3.0575211	21	1 27.9	19.8
336870 2011 FQ_{151}	16.0	X	67.97413	250.42990	342.01249	25.92396	0.3005061	0.21636404	2.7479743	21	9 9.5	20.0
336871 2011 FK_{152}	16.3	X	144.47146	20.31394	195.85448	5.73031	0.2394611	0.23267597	2.6179923	21	10 23.9	20.7
336872 2011 FL_{152}	15.6	X	289.92507	92.63459	113.94575	16.73627	0.1754338	0.17602138	3.1532551	21	—	—
336873 2011 GE_{4}	17.0	X	64.94321	104.84843	160.70494	5.57629	0.1132205	0.22356886	2.6886143	21	9 25.9	20.5
336874 2011 GA_{28}	16.0	X	55.13087	119.53797	92.86927	10.08296	0.0855869	0.21465261	2.7625614	21	6 25.5	19.2
336875 2011 GP_{40}	16.1	X	23.87490	122.97749	121.85248	11.15287	0.1119996	0.21101734	2.7941987	21	6 23.6	19.4
336876 2011 GQ_{41}	16.1	X	82.50496	190.00400	87.06673	12.77325	0.0375568	0.23530316	2.5984690	21	10 28.8	19.8
336877 2011 GT_{41}	16.4	X	8.27337	196.52175	108.82220	13.02331	0.0610170	0.22171064	2.7036161	21	8 22.2	19.8
336878 2011 GL_{46}	16.5	X	14.92434	112.86318	163.27803	11.97997	0.1281570	0.21482349	2.7610962	21	7 21.9	19.8
336879 2011 GP_{47}	16.7	X	307.51272	233.70436	133.51685	8.32417	0.0186004	0.21732051	2.7399054	21	8 15.5	20.1
336880 2011 GS_{49}	16.9	X	163.21753	346.26019	216.36569	3.60084	0.0801617	0.23628520	2.5912642	21	10 24.1	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336881 2011 GX_{49}	15.0	X	227.01158	127.84704	160.12678	27.13734	0.2130580	0.17274335	3.1930213	21	1 19.8	20.7
336882 2011 GN_{53}	15.9	X	28.67892	219.42239	113.03106	15.92773	0.1628071	0.23204657	2.6227242	21	11 17.2	19.4
336883 2011 GO_{53}	16.6	X	64.78456	312.79062	12.62156	14.93235	0.1470146	0.24179021	2.5517820	21	12 16.1	20.5
336884 2011 GF_{55}	16.4	X	291.40261	174.37550	103.50858	3.55821	0.1722227	0.18764076	3.0216994	21	3 9.9	20.7
336885 2011 GT_{55}	16.2	X	256.63720	182.16245	141.54613	7.93664	0.1657927	0.18885640	3.0087186	21	3 30.7	20.9
336886 2011 GQ_{57}	16.3	X	344.85052	157.35600	175.99567	9.30551	0.1094271	0.21996740	2.7178814	21	8 18.3	19.4
336887 2011 GU_{57}	16.7	X	186.41681	77.19461	122.96194	4.34736	0.0385105	0.24035429	2.5619352	21	11 20.5	20.3
336888 2011 GY_{57}	15.2	X	240.76752	187.62783	93.92082	6.29238	0.1248464	0.17585202	3.1552793	21	1 28.5	20.1
336889 2011 GE_{59}	16.9	X	111.05714	134.03787	138.46908	5.60022	0.0869976	0.24146684	2.5540597	21	11 27.1	20.7
336890 2011 GA_{60}	15.2	X	209.33354	123.72117	173.24983	17.95701	0.1764093	0.16978008	3.2300672	21	1 16.0	20.8
336891 2011 GX_{60}	16.2	X	168.59890	208.47791	22.99270	11.39981	0.0908875	0.24303142	2.5430863	21	12 3.3	20.1
336892 2011 GS_{62}	16.5	X	299.13199	241.58178	260.70833	6.09984	0.0935093	0.25878712	2.4387893	21	—	—
336893 2011 GW_{62}	15.8	X	79.20182	156.41145	34.71635	9.68920	0.0883079	0.21041561	2.7995232	21	7 2.1	19.7
336894 2011 GZ_{63}	16.5	X	97.03346	98.10621	161.24244	13.17936	0.0987868	0.23018266	2.6368635	21	10 28.1	20.5
336895 2011 GG_{66}	16.4	X	196.58721	203.98449	338.27187	8.06863	0.1168129	0.24151883	2.5536932	21	10 29.2	20.4
336896 2011 GE_{70}	15.8	X	284.80976	57.77455	218.04979	4.51597	0.1365849	0.18577820	3.0418623	21	3 1.6	20.3
336897 2011 GY_{76}	16.3	X	259.56942	17.70911	28.40243	5.24331	0.0485937	0.21865324	2.7287606	21	7 30.3	20.0
336898 2011 GW_{77}	15.9	X	161.75034	321.58335	246.38351	8.11671	0.1477125	0.23492612	2.6012485	21	10 26.5	20.1
336899 2011 GO_{82}	16.7	X	357.78897	200.44696	106.69169	6.42518	0.0551594	0.21839678	2.7308964	21	8 5.6	20.0
336900 2011 GE_{84}	17.2	X	144.92799	76.90260	195.76379	4.13637	0.0725708	0.24651164	2.5190943	21	—	—
336901 2011 GQ_{85}	15.5	X	274.61792	114.68593	153.30867	22.45422	0.0754125	0.18429354	3.0581771	21	2 18.1	19.9
336902 2011 HQ_{1}	16.3	X	86.14547	58.48880	167.74289	13.21691	0.1163512	0.21969887	2.7200956	21	8 30.4	20.1
336903 2011 HH_{6}	15.3	X	241.77349	207.63648	88.02308	18.63940	0.2114883	0.17725007	3.1386660	21	2 13.0	20.8
336904 2011 HT_{6}	17.6	X	126.64680	295.56931	169.87933	6.05508	0.0463244	0.29939097	2.2129771	21	4 28.7	20.2
336905 2011 HY_{9}	16.4	X	286.82631	244.26778	126.87818	7.24410	0.0628374	0.21519782	2.7578934	21	7 15.7	19.9
336906 2011 HG_{12}	16.3	X	357.43873	142.24842	160.90513	10.04222	0.1419859	0.21076513	2.7964273	21	7 28.5	19.3
336907 2011 HF_{13}	17.0	X	239.57644	82.14594	109.00297	4.21439	0.0146465	0.25242885	2.4795720	21	—	—
336908 2011 HP_{14}	16.4	X	327.52725	161.92924	114.06670	2.60579	0.0723386	0.19945850	2.9011333	21	5 6.9	20.0
336909 2011 HS_{14}	16.4	X	162.82389	47.35404	62.51741	4.64587	0.0522703	0.21129254	2.7917720	21	6 23.7	20.5
336910 2011 HX_{14}	16.2	X	344.08697	143.03782	122.00637	3.08753	0.0157667	0.20302325	2.8670737	21	5 20.9	20.0
336911 2011 HS_{19}	16.0	X	301.05751	159.16695	37.96918	5.71683	0.1233767	0.17347216	3.1840718	21	—	—
336912 2011 HU_{21}	16.2	X	284.47150	173.13904	164.54451	6.81961	0.0691985	0.20357150	2.8619238	21	5 29.2	20.2
336913 2011 HB_{22}	16.1	X	259.92385	111.76599	185.44840	10.15571	0.1144186	0.18409382	3.0603886	21	3 3.7	20.8
336914 2011 HD_{22}	17.1	X	225.57431	339.53115	180.23318	6.30785	0.0743149	0.24012650	2.5635551	21	11 12.1	20.6
336915 2011 HP_{22}	16.1	X	307.60103	237.85282	111.08978	5.37314	0.0823192	0.21184643	2.7869036	21	7 12.9	19.7
336916 2011 HH_{27}	15.0	X	305.86028	287.80363	283.90346	24.61988	0.1773826	0.18035221	3.1025711	21	1 5.1	19.6
336917 2011 HD_{34}	16.6	X	354.33412	58.56920	185.01122	10.61654	0.0749914	0.20146127	2.8818741	21	5 4.8	20.3
336918 2011 HP_{35}	16.5	X	286.00097	227.08598	151.99347	5.52163	0.0898784	0.21213576	2.7843690	21	7 20.7	20.2
336919 2011 HX_{35}	17.1	X	32.43150	60.01433	213.06931	4.68429	0.0792101	0.21752831	2.7381602	21	8 11.3	20.6
336920 2011 HG_{45}	15.2	X	88.92300	295.48396	126.86977	14.27533	0.1258288	0.17024572	3.2241748	21	2 9.9	19.5
336921 2011 HO_{49}	15.9	X	259.84126	103.91922	199.05378	11.76734	0.1827359	0.18137891	3.0908519	21	3 3.4	21.0
336922 2011 HB_{50}	16.2	X	21.41708	14.82097	170.70933	8.73143	0.0463588	0.18861263	3.0113104	21	3 30.9	20.1
336923 2011 HU_{50}	15.6	X	221.80979	215.97465	105.56610	11.78376	0.1287093	0.17850747	3.1239096	21	2 28.4	20.7
336924 2011 HT_{51}	16.1	X	277.24140	122.33626	166.10850	11.05959	0.0915914	0.18934072	3.0035858	21	3 16.0	20.5
336925 2011 HG_{54}	16.7	X	54.54490	123.18369	151.39232	9.07668	0.0494964	0.22344441	2.6896126	21	9 14.5	20.1
336926 2011 HC_{56}	16.6	X	302.32681	264.71642	113.99191	7.26552	0.0469233	0.22026253	2.7154530	21	8 21.9	20.1
336927 2011 HH_{56}	15.9	X	192.23490	149.85108	189.59351	12.15930	0.0289437	0.17844036	3.1246928	21	2 13.7	20.7
336928 2011 HM_{56}	15.9	X	142.89326	324.16363	101.47337	10.63605	0.0492068	0.18931907	3.0038147	21	4 11.2	20.4
336929 2011 HA_{57}	15.8	X	258.71491	159.93112	143.83881	11.34047	0.1233372	0.18383473	3.0632634	21	3 12.9	20.5
336930 2011 HF_{57}	15.7	X	255.18331	173.37619	154.13051	11.84694	0.0805186	0.19005433	2.9960625	21	4 11.9	20.2
336931 2011 HJ_{59}	15.7	X	248.75861	261.21781	190.65876	21.78833	0.0477101	0.22672440	2.6636094	21	9 11.9	19.6
336932 2011 HO_{59}	16.0	X	280.26146	111.84041	129.30017	10.15781	0.0419999	0.17515692	3.1636215	21	1 29.4	20.5
336933 2011 HU_{59}	15.5	X	281.34881	85.86866	192.48279	13.30353	0.0567100	0.18355130	3.0664160	21	3 11.4	19.9
336934 2011 HU_{62}	16.1	X	140.04178	26.88972	241.72817	11.27313	0.1589181	0.24032046	2.5621756	21	12 20.6	20.4
336935 2011 HG_{63}	16.9	X	108.72033	306.55315	35.42789	4.37270	0.0999555	0.25807671	2.4432628	21	—	—
336936 2011 HJ_{63}	16.5	X	27.22580	173.15835	92.98694	5.14274	0.0488296	0.21460068	2.7630070	21	7 23.9	20.0
336937 2011 HH_{64}	16.1	X	221.18290	113.43875	211.14331	10.15792	0.0763246	0.17861474	3.1226588	21	2 26.2	21.0
336938 2011 HS_{65}	16.2	X	274.22155	226.14042	111.80803	10.03607	0.1395675	0.20074520	2.8887232	21	5 9.1	20.5
336939 2011 HJ_{66}	15.6	X	331.83546	348.09843	203.46025	27.23009	0.0950524	0.17758660	3.1346995	21	1 19.3	20.4
336940 2011 HL_{68}	16.9	X	107.05111	174.28379	176.08407	6.69607	0.1353362	0.25606476	2.4560441	21	—	—
336941 2011 HG_{69}	16.8	X	191.05714	41.84579	63.38005	6.30909	0.0019988	0.21586858	2.7521774	21	7 24.4	20.6
336942 2011 HV_{70}	16.3	X	348.56827	114.57204	180.50651	6.74276	0.0622085	0.21655106	2.7463919	21	7 3.2	19.8
336943 2011 HR_{71}	17.5	X	89.24610	292.09508	184.93960	4.61500	0.1162518	0.28824106	2.2696845	21	4 1.6	19.8
336944 2011 HA_{74}	15.8	X	196.64028	168.15465	179.72458	8.92622	0.1043335	0.17771214	3.1332230	21	3 3.3	20.8
336945 2011 HH_{74}	15.8	X	118.76459	263.38370	173.37306	14.65966	0.0728191	0.18512517	3.0490116	21	3 26.6	20.2
336946 2011 HK_{77}	17.0	X	113.58350	206.77772	68.39580	3.41732	0.1235197	0.24105644	2.5569578	21	12 3.8	20.7
336947 2011 HD_{78}	15.7	X	191.44323	259.88989	111.78722	10.75507	0.0643458	0.18649681	3.0340434	21	3 30.9	20.4
336948 2011 HB_{80}	16.6	X	50.19267	124.97828	131.78152	4.91277	0.0715938	0.21329039	2.7743113	21	8 16.7	20.0
336949 2011 HL_{81}	16.5	X	229.64351	21.32759	129.41494	14.77023	0.1465642	0.24211758	2.5494813	21	10 31.9	20.4
336950 2011 HR_{82}	15.7	X	277.73974	130.16161	123.69872	9.67110	0.1268513	0.17757944	3.1347838	21	1 31.5	20.4
336951 2011 HG_{83}	16.7	X	110.23019	332.73700	263.79328	2.88230	0.1815401	0.22800829	2.6536010	21	10 15.5	20.9
336952 2011 HL_{84}	15.4	X	117.35661	207.14560	205.17989	10.99545	0.0513787	0.17740473	3.1368416	21	2 16.9	20.0
336953 2011 HO_{88}	17.5	X	128.13030	23.02711	213.73194	2.98273	0.0607001	0.23560876	2.5962216	21	10 28.3	21.2
336954 2011 HR_{92}	17.6	X	154.02571	235.00024	210.94639	6.83252	0.0483271	0.29824658	2.2186344	21	5 7.1	20.1
336955 2011 HQ_{100}	16.6	X	277.69372	235.86105	149.64887	5.74045	0.0460419	0.21261338	2.7801975	21	7 24.7	20.4
336956 2011 JU	15.1	X	206.25157	150.25927	171.88282	28.60781	0.1966681	0.17274368	3.1930173	21	2 10.2	20.8
336957 2011 JJ_{2}	16.3	X	208.81374	329.27364	192.87203	8.61802	0.1019311	0.23806084	2.5783631	21	10 22.3	20.1
336958 2011 JZ_{8}	16.4	X	200.07420	254.89380	196.83706	12.32490	0.1720796	0.21338357	2.7735036	21	7 7.3	21.2
336959 2011 JP_{9}	15.5	X	195.48337	232.80530	124.31435	17.95480	0.1601164	0.17982577	3.1086233	21	3 19.6	20.8
336960 2011 JX_{12}	15.8	X	282.16160	90.52879	158.69413	17.61186	0.1481495	0.17661309	3.1462082	21	1 26.8	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
336961 2011 JC_{14}	15.3	X	87.82072	300.73586	120.00375	18.12026	0.1157618	0.17224081	3.1992291	21	2 4.8	19.7
336962 2011 JZ_{14}	16.0	X	95.10263	15.03778	162.33086	15.87183	0.0770925	0.20587542	2.8405322	21	7 2.4	20.3
336963 2011 JR_{15}	15.5	X	276.76550	154.04230	111.21155	12.49044	0.0824948	0.18183785	3.0856490	21	2 19.7	20.1
336964 2011 JW_{15}	15.6	X	203.95625	209.47283	124.30844	11.10079	0.0713123	0.17932959	3.1143547	21	2 24.7	20.4
336965 2011 JF_{16}	16.1	X	337.01997	165.56796	124.01202	3.08902	0.0905186	0.20332565	2.8642303	21	6 6.3	19.5
336966 2011 JB_{17}	15.5	X	208.71684	234.37929	94.64469	8.82793	0.1855020	0.17498851	3.1656509	21	2 24.5	20.9
336967 2011 JF_{17}	16.5	X	266.95558	79.99062	205.06627	8.69838	0.1948559	0.17915312	3.1163995	21	2 16.1	21.5
336968 2011 JJ_{17}	16.1	X	14.08178	199.38951	91.43964	5.16245	0.1059469	0.21071458	2.7968746	21	8 12.0	19.4
336969 2011 JD_{21}	16.3	X	281.41725	109.90804	159.91969	8.83072	0.1201010	0.18074575	3.0980659	21	2 22.9	20.9
336970 2011 JS_{21}	17.2	X	62.02616	36.11521	183.69787	5.13459	0.0171973	0.20965514	2.8062889	21	7 5.3	21.0
336971 2011 JM_{26}	16.2	X	272.06627	34.34654	249.08361	2.76377	0.1888822	0.18634145	3.0357295	21	2 20.1	21.0
336972 2011 JQ_{26}	16.7	X	266.21990	137.86787	183.33487	11.72494	0.0614319	0.19069441	2.9893544	21	4 17.3	20.9
336973 2011 JX_{27}	16.1	X	281.58749	302.96228	297.90901	6.97488	0.1925881	0.17532897	3.1615515	21	1 13.6	21.1
336974 2011 JX_{28}	15.4	X	260.15800	238.68910	80.40832	12.37951	0.0675451	0.18658767	3.0330583	21	4 11.9	20.0
336975 2011 KA_{1}	17.0	X	325.59741	186.88182	180.89831	5.75423	0.0897249	0.21811684	2.7332326	21	9 4.7	20.1
336976 2011 KV_{6}	16.1	X	308.59512	189.90798	47.55952	1.10667	0.1209151	0.18145148	3.0900277	21	2 16.2	20.2
336977 2011 KP_{8}	15.5	X	315.64734	329.60805	234.00458	16.15184	0.1637579	0.17702056	3.1413784	21	1 6.4	20.1
336978 2011 KS_{10}	15.9	X	197.69587	187.93468	174.73425	16.37603	0.0905061	0.17962601	3.1109276	21	3 23.2	20.7
336979 2011 KY_{22}	16.3	X	351.45758	197.50395	171.09319	12.09741	0.0693221	0.22422767	2.6833454	21	10 22.6	19.6
336980 2011 KE_{23}	15.9	X	240.61775	196.13488	129.72518	6.30054	0.1349531	0.18162635	3.0880440	21	3 20.7	20.7
336981 2011 KB_{26}	17.3	X	100.17092	181.84723	230.50490	5.11820	0.1065862	0.26956489	2.3733429	21	1 16.8	19.9
336982 2011 KO_{33}	15.5	X	304.40955	120.21107	134.16052	12.03395	0.0977977	0.18022186	3.1040668	21	3 9.2	19.8
336983 2011 KA_{34}	15.5	X	289.93643	137.86851	111.48430	10.56345	0.0385814	0.17829962	3.1263369	21	2 22.0	20.0
336984 2011 KJ_{34}	16.2	X	229.89298	345.63774	113.89260	5.84277	0.0221012	0.21836934	2.7311252	21	9 4.9	19.9
336985 2011 KL_{38}	15.9	X	296.80626	133.61736	163.97415	9.69114	0.0396907	0.19146403	2.9813382	21	4 29.9	20.1
336986 2011 KR_{44}	16.3	X	350.00463	8.53749	185.60766	2.87728	0.1469596	0.18291579	3.0735144	21	2 15.3	19.9
336987 2011 KR_{47}	16.8	X	245.21072	18.72157	109.14698	4.29330	0.0468933	0.23276833	2.6172997	21	10 29.9	20.3
336988 2011 LD	16.5	X	309.44348	131.53018	118.63292	3.03116	0.0527524	0.18428733	3.0582458	21	3 14.8	20.7
336989 2011 LB_{5}	15.2	X	194.08626	224.93827	146.47447	10.81770	0.0626007	0.18254084	3.0777217	21	3 31.9	19.9
336990 2011 LT_{8}	16.3	X	166.31581	307.76442	162.29045	2.34633	0.0163897	0.20293665	2.8678894	21	6 26.8	20.2
336991 2011 LV_{14}	16.1	X	239.72815	69.58314	203.08013	5.91708	0.1020748	0.16960004	3.2323528	21	1 17.4	21.1
336992 2011 LS_{25}	15.8	X	245.94434	329.84238	304.47892	4.13471	0.1104975	0.17057284	3.2200514	21	1 25.9	20.9
336993 2011 QQ_{3}	13.5	X	335.59778	50.85128	222.99755	8.81643	0.0888507	0.08250975	5.2255562	21	5 22.0	20.0
336994 2012 DG_{52}	17.3	X	78.94479	173.81354	107.30826	2.68019	0.1686641	0.26225305	2.4172544	21	11 13.9	20.7
336995 2012 HO_{50}	15.4	X	35.14436	203.05572	200.87573	12.68464	0.0452810	0.17179052	3.2048172	21	—	—
336996 2012 KM_{2}	16.2	X	185.60252	326.39189	170.38831	15.15538	0.1319727	0.24222787	2.5487074	21	8 22.0	20.3
336997 2012 KL_{24}	17.1	X	206.24534	77.27028	261.52135	23.08058	0.1153917	0.39828276	1.8295392	21	1 20.9	19.6
336998 2012 KB_{47}	15.8	X	194.14194	98.34575	207.12176	8.83772	0.2053154	0.17778246	3.1323969	21	1 12.9	21.3
336999 2012 LH	17.4	X	207.81006	284.09808	234.10612	19.67221	0.0681606	0.36195660	1.9499870	21	11 5.4	19.4
337000 2012 MJ_{3}	16.2	X	339.22410	180.07060	132.36870	14.27184	0.1335712	0.21676779	2.7445610	21	7 8.4	19.3
337001 2012 MQ_{10}	15.7	X	262.06807	326.66261	296.59643	8.78943	0.2521664	0.18311870	3.0712435	21	1 16.1	20.7
337002 Robertbodzon	16.8	X	112.29389	48.65199	275.11890	6.54211	0.1496130	0.25796586	2.4439626	21	—	—
337003 2012 OG	17.2	X	327.45884	129.05095	210.05672	4.54196	0.0601020	0.22088833	2.7103219	21	7 31.1	20.6
337004 6507 P–L	16.3	X	195.71325	228.88511	167.26930	10.08575	0.1941580	0.18872631	3.0101011	21	5 1.2	21.5
337005 2096 T–2	17.9	X	158.33479	161.21420	198.72620	4.16991	0.2426288	0.27704744	2.3304151	21	2 6.1	21.5
337006 1062 T–3	16.5	X	200.15863	62.67215	268.04861	6.23048	0.1443345	0.28066939	2.3103229	21	1 31.6	20.1
337007 2145 T–3	17.7	X	157.50698	144.01324	241.07901	2.50494	0.1763566	0.28064556	2.3104537	21	3 2.3	21.1
337008 2348 T–3	17.4	X	180.26764	0.15917	346.96303	5.63345	0.1895933	0.28027543	2.3124873	21	2 8.0	20.9
337009 1993 PR_{2}	16.1	X	316.22251	267.05226	144.16775	10.10650	0.2804761	0.21252027	2.7810096	21	10 3.4	18.5
337010 1993 TE_{17}	16.7	X	111.28125	182.55783	191.49240	11.43405	0.2398444	0.25936304	2.4351777	21	1 4.9	19.8
337011 1993 VW_{5}	17.6	X	103.45062	260.53205	26.84453	20.50767	0.0696258	0.35701540	1.9679380	21	12 25.9	20.5
337012 1994 NF	17.2	X	73.48670	52.54652	215.30178	6.03585	0.3560736	0.22670409	2.6637685	21	11 6.8	21.5
337013 1994 PY_{5}	16.2	X	12.65856	202.39149	143.20488	10.11570	0.3230892	0.22230327	2.6988090	21	11 29.6	19.1
337014 1994 SP_{2}	17.7	X	322.45528	29.77436	338.50011	4.62846	0.1777044	0.21742917	2.7389925	21	8 23.7	20.6
337015 1994 TS_{10}	16.7	X	18.13974	285.58126	2.75221	12.81512	0.2202146	0.21691460	2.7433225	21	9 1.1	19.4
337016 1994 TE_{11}	17.9	X	112.31670	95.72789	315.13090	1.40486	0.2120397	0.27212634	2.3584264	21	2 19.2	20.6
337017 1995 DT_{5}	16.2	X	241.68176	153.96966	316.38574	8.22390	0.1090988	0.20905775	2.8116324	21	9 15.9	20.3
337018 1995 FU_{1}	13.7	X	2.83794	96.72583	158.26224	15.87223	0.0378803	0.08451235	5.1426772	21	6 8.3	20.5
337019 1995 FW_{8}	13.4	X	338.07864	271.68851	36.53953	10.33899	0.0793270	0.08208737	5.2434662	21	7 5.3	20.0
337020 1995 OR_{2}	15.9	X	256.84496	58.37445	268.11137	8.65022	0.0579187	0.18067478	3.0988772	21	4 8.9	20.5
337021 1995 OH_{13}	17.9	X	46.43375	167.72095	153.61617	1.18642	0.1759655	0.23312600	2.6146220	21	11 23.6	21.2
337022 1995 QE_{4}	18.5	X	243.76048	130.25039	204.15021	3.05498	0.1963947	0.29131542	2.2536877	21	3 16.3	22.2
337023 1995 SW_{10}	15.5	X	285.14050	287.53740	13.25051	15.50201	0.0423972	0.17604062	3.1530254	21	4 14.9	20.1
337024 1995 SN_{12}	17.4	X	19.82303	49.54291	343.15271	2.49712	0.1399038	0.23459359	2.6037061	21	—	—
337025 1995 SY_{24}	16.6	X	182.24261	310.44457	102.53839	2.58522	0.1863772	0.17606673	3.1527136	21	5 8.4	21.8
337026 1995 SQ_{26}	16.7	X	340.74675	223.38759	193.12226	5.72164	0.2094396	0.23039298	2.6352585	21	12 17.9	19.1
337027 1995 SO_{31}	15.7	X	246.62652	108.08443	260.79524	9.46703	0.2075411	0.18202054	3.0835840	21	5 7.3	20.7
337028 1995 SY_{33}	16.4	X	169.22630	35.66575	356.18327	9.12248	0.1007510	0.17461097	3.1702125	21	3 28.5	21.2
337029 1995 SV_{35}	16.7	X	11.13236	64.75988	347.31936	4.02126	0.1354629	0.23539273	2.5978098	21	—	—
337030 1995 SB_{39}	16.3	X	126.86515	117.99528	14.67476	13.50617	0.1298918	0.17706157	3.1408933	21	6 18.4	21.3
337031 1995 SD_{39}	17.6	X	318.64399	220.92513	196.21236	2.40183	0.0976890	0.22884580	2.6471228	21	11 3.4	20.4
337032 1995 SB_{48}	16.6	X	2.49004	69.74198	16.19751	12.63010	0.1233647	0.23665742	2.5885465	21	—	—
337033 1995 SH_{69}	16.7	X	174.09778	142.09861	229.10070	0.24052	0.1556710	0.17345118	3.1843286	21	3 12.6	21.9
337034 1995 SH_{76}	16.5	X	190.67417	220.44743	167.62416	5.74364	0.0510487	0.17555659	3.1588182	21	4 16.4	21.1
337035 1995 UB_{11}	16.0	X	205.13905	41.76648	2.68977	9.63982	0.1173781	0.17827056	3.1266766	21	5 15.9	21.1
337036 1995 UV_{26}	16.0	X	167.07548	307.40529	109.11822	2.93724	0.1773272	0.17446281	3.1720071	21	4 30.5	21.2
337037 1995 UW_{30}	18.2	X	188.51622	263.68466	137.51836	2.06355	0.1272414	0.28870026	2.2672771	21	4 22.1	21.5
337038 1995 UN_{65}	16.1	X	198.99508	296.98445	69.73826	5.29085	0.1931684	0.17374238	3.1807696	21	3 31.2	21.5
337039 1995 UV_{80}	17.4	X	29.62138	141.30885	189.39551	5.03495	0.0694224	0.22623995	2.6674105	21	10 27.2	20.7
337040 1995 WD_{28}	17.1	X	25.15092	288.71562	56.04547	13.51389	0.2976450	0.23024741	2.6363691	21	12 12.1	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
337041 1995 XF_3	17.5	X	163.01258	225.32913	169.61607	3.52297	0.1497823	0.28472243	2.2883455	21	3 19.4	20.6
337042 1995 XG_4	16.1	X	194.89306	220.69929	185.54725	4.61501	0.1743370	0.17384460	3.1795226	21	5 11.7	21.4
337043 1996 AZ_{13}	17.3	X	70.44278	109.98378	358.65574	6.00470	0.0751110	0.27589327	2.3369100	21	2 15.7	19.7
337044 Bobdylan	17.2	X	61.36914	139.47937	344.64896	2.14057	0.1536076	0.27701554	2.3305940	21	2 28.6	19.0
337045 1996 RR_{18}	16.7	X	271.50261	56.69149	292.35011	0.35182	0.0304333	0.18854378	3.0120435	21	6 1.3	20.9
337046 1996 TM_{12}	16.5	X	345.82893	226.80797	206.05221	9.08799	0.2092087	0.24076111	2.5590484	21	—	—
337047 1996 TM_{29}	16.7	X	221.10057	334.78854	28.62232	0.61838	0.1828662	0.18225104	3.0809835	21	4 11.6	21.8
337048 1996 TN_{30}	18.5	X	207.54651	6.57579	41.69335	2.56931	0.1382153	0.30334850	2.1936878	21	5 19.4	21.6
337049 1996 VX_2	16.7	X	176.31806	235.55880	201.08884	6.16669	0.2712211	0.18114625	3.0934979	21	6 1.9	22.3
337050 1996 VD_{16}	16.4	X	206.37724	184.73658	55.89489	6.50067	0.1284916	0.24439588	2.5336121	21	—	—
337051 1996 VF_{25}	16.3	X	273.46020	256.30133	58.35939	4.10368	0.2565232	0.18353596	3.0665869	21	3 26.6	21.3
337052 1996 VL_{29}	16.7	X	51.11418	289.48850	115.46625	7.47020	0.2030112	0.24492183	2.5299837	21	—	—
337053 1996 XW_1	19.1	X	266.07295	264.66109	247.83643	30.58079	0.4547283	0.43490357	1.7253375	21	—	—
337054 1996 XH_{23}	16.7	X	12.46377	168.58742	257.26126	4.29894	0.1118185	0.23830611	2.5765936	21	—	—
337055 1997 BT_6	17.5	X	74.31548	198.07282	343.42162	6.91501	0.0816967	0.29539772	2.2328761	21	6 6.2	20.0
337056 1997 EA_{10}	16.1	X	354.82630	109.40892	332.52108	14.94203	0.1176721	0.23535540	2.5980845	21	—	—
337057 1997 EW_{11}	17.0	X	240.97849	86.35061	286.80775	5.07930	0.1350534	0.29805941	2.2195631	21	5 6.3	20.1
337058 1997 GL_{10}	16.6	X	314.56361	93.08382	32.53334	4.90289	0.2190781	0.23375043	2.6099635	21	—	—
337059 1997 LZ_1	16.7	X	145.88829	1.66171	184.22477	13.27098	0.1546455	0.21568471	2.7537413	21	9 13.9	21.1
337060 1997 MY_7	17.0	X	173.62937	55.82877	290.41352	6.38942	0.1245306	0.27006713	2.3703996	21	1 25.9	20.5
337061 1997 RC_9	16.8	X	331.21355	89.66275	258.93865	1.70146	0.0660800	0.20311783	2.8661837	21	8 18.6	20.4
337062 1997 SZ_{16}	17.8	X	170.11471	307.11639	4.70018	14.92442	0.2781496	0.26409765	2.4059856	21	—	—
337063 1997 TQ_3	17.6	X	171.45226	315.22996	355.22683	2.36211	0.2091863	0.26333525	2.4106272	21	—	—
337064 1997 WS_{14}	17.3	X	69.30681	85.50619	36.07628	5.32546	0.1569417	0.26537982	2.3982297	21	3 17.7	19.6
337065 1998 AW_1	17.5	X	45.89306	152.07451	291.64785	4.18635	0.0814352	0.25430034	2.4673916	21	—	—
337066 1998 BM_{10}	16.1	X	68.99169	44.91999	122.68463	24.12649	0.3671805	0.26173385	2.4204500	21	7 1.4	19.3
337067 1998 BU_{19}	15.3	X	12.78139	150.86959	284.38010	1.67620	0.1811966	0.12392410	3.9844238	21	—	—
337068 1998 FO_{88}	15.8	X	126.82185	85.61567	44.57332	9.33933	0.3019824	0.18132390	3.0914770	21	6 30.5	21.2
337069 1998 FX_{134}	18.5	X	288.49271	254.00636	349.48646	5.21616	0.4284471	0.29049385	2.2579349	21	—	—
337070 1998 HJ	18.0	X	353.32448	76.73402	140.08623	6.87143	0.1840932	0.29640602	2.2278094	21	2 22.3	19.9
337071 1998 HY	16.4	X	186.35896	29.13603	190.83570	15.02618	0.0605498	0.23563559	2.5960245	21	12 11.9	20.4
337072 1998 HA_8	17.2	X	315.69379	322.71607	196.04954	22.26781	0.0744251	0.37149817	1.9164534	21	—	—
337073 1998 HF_{43}	17.0	X	19.44562	251.32796	66.67803	13.63631	0.2735719	0.22224915	2.6992471	21	10 28.1	19.9
337074 1998 HU_{108}	16.8	X	28.62203	195.97238	63.03184	9.27694	0.5138684	0.21740785	2.7391716	21	10 5.4	19.9
337075 1998 QC_1	19.7	X	38.37108	115.42612	308.37812	9.64937	0.5896472	0.35272715	1.9838559	21	—	—
337076 1998 QS_{58}	16.4	X	336.24155	16.68582	355.80952	4.81878	0.1697557	0.21452256	2.7636777	21	9 27.2	19.0
337077 1998 RH_8	17.4	X	164.17023	11.75828	9.04314	6.66454	0.1802924	0.28047183	2.3114077	21	3 6.8	20.9
337078 1998 RZ_{13}	18.1	X	214.52343	157.57052	172.82619	4.22918	0.2750523	0.28414151	2.2914634	21	2 15.5	22.0
337079 1998 RQ_{21}	16.7	X	354.25895	30.23689	357.18123	5.92444	0.0497127	0.21908746	2.7251539	21	11 13.9	20.2
337080 1998 RH_{45}	17.7	X	191.21892	187.53168	184.74836	4.81986	0.2596632	0.28361987	2.2942722	21	3 21.4	21.6
337081 1998 RG_{62}	17.6	X	216.16999	167.98168	177.31535	5.94427	0.2155845	0.28433656	2.2904154	21	3 6.9	21.5
337082 1998 RG_{74}	16.8	X	211.80438	129.18061	233.44567	3.19454	0.2046429	0.28470360	2.2884464	21	3 24.0	20.6
337083 1998 RH_{81}	17.9	X	172.09166	178.37153	181.06932	7.85840	0.1980542	0.28038007	2.3119119	21	2 13.5	21.6
337084 1998 SE_{36}	19.7	X	8.12017	27.21465	199.22881	11.67564	0.0990883	0.63438018	1.3414350	21	1 11.8	20.0
337085 1998 SA_{47}	17.8	X	142.88389	14.38002	23.35460	7.76312	0.1882443	0.27828561	2.3234975	21	3 9.1	21.1
337086 1998 SZ_{170}	17.0	X	213.62552	106.26929	260.15744	3.38151	0.2088838	0.28614477	2.2807561	21	3 29.8	20.7
337087 1998 SG_{171}	17.9	X	203.86129	349.97648	342.98801	3.75615	0.3061939	0.28250145	2.3003236	21	2 13.1	22.1
337088 1998 TU_9	16.7	X	351.77382	173.45540	33.68844	8.68583	0.2085858	0.28003205	2.3138270	21	2 8.4	19.1
337089 1998 TW_9	17.2	X	127.73530	190.23716	198.67128	2.01019	0.1831337	0.27559543	2.3385934	21	2 4.3	20.2
337090 1998 TJ_{19}	17.7	X	192.83703	322.16667	19.14805	25.16457	0.2466682	0.28085924	2.3092816	21	2 26.4	22.1
337091 1998 US_1	17.9	X	201.66488	65.68445	212.04239	8.77533	0.3757249	0.27600801	2.3362623	21	—	—
337092 1998 UV_9	16.5	X	326.02190	172.14076	190.84559	4.15687	0.0866837	0.21193706	2.7861091	21	8 29.0	19.8
337093 1998 UU_{16}	16.7	X	302.39552	95.45627	337.47286	22.70183	0.3466385	0.21253969	2.7808401	21	9 12.6	19.8
337094 1998 VL_{34}	17.5	X	203.24028	143.56794	233.45383	6.00179	0.1216391	0.28262432	2.2996568	21	4 3.0	21.0
337095 1998 VS_{46}	18.2	X	152.73039	26.87313	54.78395	4.99038	0.2492334	0.28255868	2.3000130	21	5 16.4	21.7
337096 1998 WE_6	16.6	X	203.39088	300.69274	57.75819	10.60507	0.3011704	0.28191482	2.3035136	21	3 19.8	20.9
337097 1998 XS_6	16.0	X	299.61258	336.37488	68.15216	10.44945	0.1555456	0.20920615	2.8103026	21	9 11.1	19.5
337098 1998 XB_{10}	17.3	X	89.44765	55.26616	74.60111	6.64274	0.1989535	0.27869906	2.3211990	21	5 7.7	19.9
337099 1999 DH	17.3	X	58.82582	206.93649	290.46900	4.12739	0.1557821	0.27034288	2.3687875	21	3 15.2	19.6
337100 1999 FJ_{20}	15.8	X	192.67027	76.08926	357.48923	8.62999	0.1106319	0.18922470	3.0048134	21	6 10.2	20.6
337101 1999 FZ_{64}	16.3	X	216.73562	217.36295	195.02386	9.68034	0.1365570	0.19090032	2.9872044	21	6 8.2	21.1
337102 1999 FL_{66}	15.8	X	231.68094	147.68719	179.12203	27.20457	0.1196107	0.17933461	3.1142966	21	3 11.6	20.7
337103 1999 JA_5	16.4	X	131.33994	57.58172	231.56494	18.50457	0.3642328	0.24252266	2.5466416	21	—	—
337104 1999 NN_{22}	16.2	X	35.66685	75.56414	293.43222	27.48201	0.3846213	0.23308333	2.6149410	21	—	—
337105 1999 RR_{15}	16.1	X	341.80515	3.91724	346.35209	16.28798	0.1988196	0.22399404	2.6852109	21	9 7.6	18.3
337106 1999 RF_{51}	16.7	X	37.59711	211.18099	155.88823	3.26764	0.2998506	0.23280259	2.6170429	21	—	—
337107 1999 RD_{61}	16.8	X	45.28749	35.32342	314.99432	2.57543	0.2734364	0.23252048	2.6191592	21	—	—
337108 1999 RV_{84}	16.3	X	33.58657	356.58191	344.54886	12.97274	0.2955549	0.22952689	2.6418835	21	12 19.4	20.1
337109 1999 RY_{93}	16.7	X	12.36364	252.72293	145.01755	6.61439	0.3612357	0.22958827	2.6414126	21	—	—
337110 1999 RE_{110}	17.4	X	276.43163	26.27673	308.99165	6.68864	0.2519758	0.30388066	2.1911259	21	4 8.5	20.7
337111 1999 RP_{177}	17.0	X	54.26882	163.37269	159.06404	4.88396	0.2928498	0.23112526	2.6296893	21	12 18.7	21.0
337112 1999 RP_{191}	16.2	X	36.62223	1.16023	347.72290	13.97517	0.0536505	0.23050637	2.6343942	21	11 22.9	19.9
337113 1999 RU_{192}	17.3	X	339.45835	246.46079	155.99766	6.70292	0.3270300	0.22493818	2.6776918	21	12 3.3	18.9
337114 1999 RZ_{204}	16.3	X	5.22316	154.72373	245.63170	11.78976	0.2849007	0.22926519	2.6438936	21	—	—
337115 1999 SN_8	15.2	X	358.01913	298.69417	40.45394	13.98628	0.3245522	0.22576447	2.6711544	21	10 17.7	16.9
337116 1999 SP_{10}	15.5	X	38.21397	292.72313	50.84106	17.53214	0.2499353	0.22907099	2.6453877	21	12 19.4	19.3
337117 1999 SF_{21}	17.1	X	327.19186	201.67402	228.87548	3.06352	0.1069763	0.22771887	2.6558489	21	12 5.6	19.9
337118 1999 TX_2	18.3	X	73.44575	53.54994	179.94451	61.38118	0.4636005	0.67984717	1.2809392	21	11 1.0	21.2
337119 1999 TK_{12}	18.6	X	290.18678	112.24247	359.05427	24.49757	0.3928339	0.45143486	1.6829556	21	—	—
337120 1999 TY_{14}	16.4	X	0.29261	278.67549	94.17670	2.90360	0.3440416	0.22611304	2.6684085	21	12 16.2	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
337121 1999 TV_{34}	15.8	X	45.54937	331.96965	4.95884	12.92810	0.3000843	0.22964293	2.6409935	21	12 28.9	19.9
337122 1999 TX_{38}	16.6	X	16.06540	187.78252	210.37401	7.91898	0.3473333	0.23099829	2.6306528	21	—	—
337123 1999 TU_{39}	16.2	X	356.29520	344.81549	60.73574	15.31692	0.2312329	0.22756589	2.6570391	21	—	—
337124 1999 TB_{49}	16.3	X	247.55018	136.78119	21.13534	13.53611	0.1313081	0.22978619	2.6398957	21	11 22.3	19.9
337125 1999 TM_{56}	16.5	X	329.26600	6.93185	28.04120	6.19987	0.0222424	0.22393510	2.6856821	21	10 21.8	20.0
337126 1999 TQ_{61}	16.1	X	107.77193	271.48299	357.28530	11.39868	0.2710326	0.23233422	2.6205590	21	11 24.9	20.8
337127 1999 TL_{70}	16.5	X	82.70453	296.01480	23.62856	12.24267	0.1988412	0.23143886	2.6273133	21	—	—
337128 1999 TA_{72}	16.7	X	161.66466	34.43673	205.53193	7.80543	0.0874138	0.22918774	2.6444892	21	12 7.1	20.7
337129 1999 TY_{72}	16.4	X	33.59977	62.72021	334.41531	4.13717	0.1504230	0.23446068	2.6046900	21	—	—
337130 1999 TO_{112}	16.2	X	26.25428	134.49294	224.88258	3.46447	0.1921606	0.22910845	2.6450993	21	12 17.1	19.4
337131 1999 TC_{121}	15.8	X	29.53571	328.06950	15.09111	12.43713	0.1387170	0.22735572	2.6586763	21	11 18.3	19.3
337132 1999 TO_{131}	16.5	X	15.70653	172.95233	206.79584	4.03000	0.2254478	0.22939784	2.6428743	21	—	—
337133 1999 TN_{142}	15.6	X	74.55694	324.21479	13.82967	14.69952	0.1941955	0.23417620	2.6067990	21	—	—
337134 1999 TF_{143}	16.4	X	311.95193	47.65966	15.03330	13.93940	0.1847197	0.22485478	2.6783539	21	10 19.7	19.1
337135 1999 TP_{164}	16.3	X	22.08897	334.71335	3.18919	8.90837	0.1507611	0.22558006	2.6726099	21	11 2.1	19.4
337136 1999 TO_{185}	16.0	X	4.56883	147.91021	259.75676	11.52501	0.2828290	0.22911343	2.6450609	21	—	—
337137 1999 TX_{187}	15.8	X	66.71520	329.27120	359.14817	19.02794	0.2450226	0.23085366	2.6317515	21	—	—
337138 1999 TH_{204}	17.1	X	29.40773	103.91697	267.28837	2.17854	0.1290731	0.22899693	2.6459579	21	12 27.1	20.4
337139 1999 TN_{211}	16.9	X	160.39369	112.47557	230.64953	20.92168	0.0854392	0.37968372	1.8888091	21	—	—
337140 1999 TD_{214}	16.7	X	0.88300	5.54085	45.07342	3.31141	0.1851041	0.22949653	2.6421165	21	—	—
337141 1999 TM_{222}	16.2	X	340.89113	38.89789	6.62758	11.27003	0.1802210	0.22635664	2.6664936	21	11 24.6	19.0
337142 1999 TG_{226}	16.5	X	114.27590	291.20506	349.52306	11.00855	0.1796084	0.23373008	2.6101150	21	12 11.8	21.0
337143 1999 TR_{228}	16.6	X	17.17658	236.02524	162.91158	7.71435	0.3244843	0.22946184	2.6423828	21	—	—
337144 1999 TQ_{231}	17.7	X	273.98253	210.38172	124.90950	5.47430	0.2797794	0.30403196	2.1903990	21	4 9.7	21.0
337145 1999 TQ_{256}	16.8	X	353.79701	213.46438	190.49989	4.82580	0.1982918	0.22876639	2.6477353	21	12 24.5	19.4
337146 1999 TH_{265}	16.5	X	20.66090	128.48284	252.53793	10.90608	0.3096978	0.23039326	2.6352564	21	—	—
337147 1999 TX_{265}	16.3	X	43.65487	61.96779	274.33943	11.04049	0.1753781	0.22958431	2.6414430	21	12 8.1	19.8
337148 1999 TG_{271}	16.7	X	48.56561	36.85956	309.63746	3.41115	0.2787891	0.23032446	2.6357811	21	—	—
337149 1999 TP_{305}	16.6	X	22.03657	71.10608	329.33041	12.00167	0.2837039	0.23111765	2.6297470	21	—	—
337150 1999 TE_{310}	17.3	X	305.08741	157.83422	292.92068	1.76521	0.0515076	0.22759693	2.6567975	21	11 29.2	20.6
337151 1999 TE_{312}	16.4	X	1.24647	44.00726	2.47561	13.96476	0.1493116	0.23112716	2.6296749	21	—	—
337152 1999 TF_{312}	16.7	X	23.43786	9.57443	3.98706	12.54421	0.0441913	0.23113154	2.6296417	21	12 8.1	20.4
337153 1999 TH_{312}	16.4	X	30.21778	304.72193	42.58732	12.60731	0.3250853	0.22923467	2.6441282	21	12 26.8	20.1
337154 1999 TP_{314}	17.6	X	302.32418	110.52777	300.92515	2.10108	0.1025971	0.22208071	2.7006118	21	9 26.4	20.7
337155 1999 TK_{316}	16.9	X	320.34705	240.08169	219.08081	3.69828	0.1513928	0.22815035	2.6524994	21	—	—
337156 1999 TY_{335}	18.2	X	249.77781	336.89895	27.95510	4.69452	0.1886373	0.30188754	2.2007595	21	4 30.7	21.4
337157 1999 UA_{5}	16.3	X	305.28044	86.14083	23.23314	5.77636	0.4756463	0.22642099	2.6659885	21	10 26.6	17.7
337158 1999 UP_{7}	15.8	X	244.04385	154.33600	22.77240	34.01941	0.1787446	0.23136669	2.6278596	21	11 25.5	20.0
337159 1999 UU_{18}	17.3	X	300.27826	60.76250	33.97953	1.56143	0.2487696	0.22500439	2.6771665	21	11 5.2	19.6
337160 1999 UE_{19}	16.3	X	20.07011	336.13478	35.37651	12.08518	0.1806250	0.22795889	2.6539843	21	12 21.0	19.7
337161 1999 UF_{21}	17.0	X	104.41697	244.82270	59.05590	4.38484	0.0704962	0.23163054	2.6258636	21	12 24.5	20.7
337162 1999 UE_{23}	16.5	X	305.19885	287.79982	214.56373	28.02776	0.3372288	0.22893316	2.6464493	21	—	—
337163 1999 UU_{23}	16.2	X	358.85497	111.25648	264.99199	5.86100	0.2703457	0.22625945	2.6672572	21	12 4.8	18.4
337164 1999 UN_{28}	17.0	X	341.76133	18.70954	40.93439	3.07651	0.1059436	0.22919530	2.6444310	21	12 15.3	19.9
337165 1999 UM_{49}	16.3	X	342.31272	207.73957	227.32320	13.80557	0.1607989	0.22886864	2.6469467	21	—	—
337166 Ivanartioukhov	16.3	X	355.70386	194.62240	240.71742	11.53347	0.2662648	0.22903767	2.6456442	21	—	—
337167 1999 VN_{13}	17.3	X	135.10693	130.87902	240.43854	20.65934	0.1223444	0.37851072	1.8927093	21	—	—
337168 1999 VF_{14}	17.0	X	79.18623	325.90046	41.30767	21.29105	0.1017845	0.36900989	1.9250590	21	—	—
337169 1999 VP_{14}	16.5	X	263.24519	111.91892	34.37989	12.81150	0.1048900	0.22716299	2.6601798	21	12 3.0	20.0
337170 1999 VV_{34}	16.0	X	359.76931	179.70529	241.27469	13.73304	0.2302049	0.22764423	2.6564295	21	—	—
337171 1999 VP_{41}	16.9	X	62.35126	160.10424	190.09282	8.27160	0.1123263	0.23340627	2.6125285	21	—	—
337172 1999 VR_{42}	16.9	X	23.53962	92.78527	257.83849	2.71424	0.2162833	0.22681287	2.6629167	21	12 4.9	19.9
337173 1999 VS_{42}	17.6	X	286.24858	111.19900	1.71913	2.91777	0.3180968	0.22447153	2.6814016	21	10 21.7	20.6
337174 1999 VD_{47}	16.5	X	332.81534	4.28594	46.51877	14.97060	0.2425995	0.22442621	2.6817626	21	11 17.9	18.5
337175 1999 VZ_{62}	17.0	X	47.07881	14.50287	49.54014	4.38966	0.2437463	0.23517947	2.5993800	21	—	—
337176 1999 VQ_{75}	17.9	X	19.33700	184.11163	198.93315	2.08155	0.1846651	0.22765922	2.6563128	21	—	—
337177 1999 VT_{75}	17.1	X	283.79034	14.26884	62.87947	5.84427	0.0970789	0.22057594	2.7128802	21	10 7.4	20.5
337178 1999 VL_{80}	17.0	X	339.84267	181.80578	215.06695	9.65798	0.3547078	0.22417077	2.6837995	21	11 26.9	18.2
337179 1999 VZ_{82}	16.2	X	121.30198	246.74022	23.16826	12.47127	0.0723443	0.22831608	2.6512156	21	11 27.9	20.3
337180 1999 VK_{102}	16.3	X	0.49788	341.24327	52.86604	11.50829	0.1400793	0.22656941	2.6648240	21	12 13.7	19.3
337181 1999 VA_{117}	17.1	X	276.30751	290.69383	226.91387	20.18554	0.0648241	0.36618376	1.9349511	21	—	—
337182 1999 VL_{118}	17.3	X	40.18642	259.14388	57.93933	11.92888	0.2120941	0.22393323	2.6856970	21	11 14.2	20.6
337183 1999 VM_{119}	16.9	X	203.64527	278.09691	254.90035	3.45735	0.0775294	0.22481790	2.6786468	21	10 29.2	20.8
337184 1999 VM_{124}	16.7	X	26.86948	349.92855	2.08627	7.05498	0.2299448	0.22947117	2.6423112	21	12 13.7	20.0
337185 1999 VJ_{140}	17.0	X	86.99799	301.68479	4.06765	1.92661	0.2007521	0.23007894	2.6376559	21	12 19.3	21.2
337186 1999 VZ_{143}	17.4	X	213.95829	21.12814	37.56636	7.37759	0.1517303	0.30153039	2.2024970	21	6 8.3	20.6
337187 1999 VV_{145}	16.6	X	14.55788	278.33323	76.70388	4.21272	0.1143166	0.22316503	2.6918568	21	11 11.6	19.8
337188 1999 VF_{155}	16.3	X	322.00000	192.82426	228.33116	13.18793	0.2271470	0.22389843	2.6859753	21	11 7.4	18.5
337189 1999 VF_{156}	17.2	X	11.67447	340.13102	61.65568	2.36217	0.2320890	0.22844545	2.6502146	21	—	—
337190 1999 VU_{158}	16.8	X	343.70299	145.85089	269.96225	3.58110	0.2471656	0.22647161	2.6655911	21	12 26.1	18.9
337191 1999 VZ_{182}	16.0	X	259.10247	229.20525	234.02182	20.70327	0.0965062	0.21991357	2.7183249	21	9 29.1	20.1
337192 1999 VB_{191}	16.2	X	317.34988	30.05407	35.72945	12.11408	0.1710443	0.22487188	2.6782182	21	11 6.7	18.8
337193 1999 VY_{198}	17.2	X	267.70162	213.62906	157.21717	5.49862	0.1878971	0.30427902	2.1892131	21	5 30.6	20.1
337194 1999 VQ_{211}	16.8	X	310.90895	351.72486	56.75115	7.15087	0.0740879	0.22161997	2.7043535	21	10 12.8	20.2
337195 1999 VA_{213}	16.6	X	304.64898	31.39402	48.51689	10.87157	0.0581840	0.22465881	2.6799113	21	11 13.2	19.7
337196 1999 WV_{5}	17.2	X	255.49590	320.67640	57.56295	7.37826	0.1258871	0.30270191	2.1968106	21	6 1.6	20.0
337197 1999 WO_{18}	16.5	X	323.38845	314.23121	50.93520	12.32362	0.1121147	0.21865285	2.7287639	21	9 3.9	19.9
337198 1999 WL_{19}	16.8	X	327.43275	32.42716	64.93649	14.56039	0.2222104	0.22737036	2.6585622	21	—	—
337199 1999 WD_{24}	18.1	X	276.78187	214.07771	89.69206	0.80519	0.1956834	0.29682363	2.2257194	21	3 9.1	21.1
337200 1999 XV_{13}	16.2	X	307.08712	338.53246	108.76967	10.35473	0.2732771	0.22322437	2.6913798	21	11 10.4	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
337201 1999 XU_{16}	16.4	X	243.09471	100.20347	250.29260	7.27330	0.2215090	0.29719364	2.2238716	21	4 1.1	20.1
337202 1999 XJ_{17}	15.6	X	335.70729	159.11230	285.53449	25.74400	0.3008906	0.22467244	2.6798028	21	—	—
337203 1999 XL_{27}	15.7	X	303.95454	25.06778	66.62748	14.11638	0.1026142	0.22482836	2.6785638	21	11 25.2	18.6
337204 1999 XJ_{79}	17.0	X	338.08594	155.22242	251.34819	3.93996	0.2263982	0.22336893	2.6902184	21	11 25.1	19.1
337205 1999 XJ_{196}	16.2	X	269.27691	147.39677	299.19269	15.52897	0.1987872	0.21628182	2.7486707	21	9 2.8	20.3
337206 1999 XJ_{240}	17.5	X	207.46158	48.87546	6.63257	5.77797	0.1774323	0.29930714	2.2133903	21	5 27.1	20.9
337207 1999 XA_{245}	16.2	X	305.60128	150.01536	254.68393	13.24342	0.1933158	0.21955393	2.7212926	21	9 3.1	19.5
337208 1999 XN_{250}	17.5	X	228.02717	85.87581	295.07114	3.45703	0.2404690	0.29675564	2.2260593	21	4 27.9	21.1
337209 1999 YQ_{11}	17.2	X	117.69307	60.71105	94.17617	6.43422	0.1018050	0.29714830	2.2240978	21	7 4.1	20.1
337210 2000 AT_{52}	15.6	X	39.38869	102.44462	261.62686	14.91918	0.2575183	0.22923055	2.6441599	21	—	—
337211 2000 AV_{94}	17.3	X	78.96523	210.46422	299.24363	5.89130	0.1632018	0.28933058	2.2639830	21	5 9.6	19.7
337212 2000 AC_{223}	16.0	X	4.72080	260.18787	102.96588	9.83393	0.1340001	0.21898831	2.7259764	21	11 11.1	19.2
337213 2000 AE_{226}	16.5	X	263.12978	201.19453	292.79212	8.45047	0.1680782	0.21982193	2.7190804	21	11 5.3	20.2
337214 2000 BV	16.6	X	11.89051	80.90090	336.94198	26.76581	0.4111372	0.22887475	2.6468996	21	—	—
337215 2000 BE_{12}	16.7	X	198.22526	310.62896	136.33845	7.46351	0.0311983	0.20327585	2.8646981	21	7 6.3	20.7
337216 2000 BO_{21}	16.9	X	97.05177	175.25136	311.92032	7.75711	0.0587580	0.28778567	2.2720782	21	4 14.2	19.8
337217 2000 BF_{39}	17.9	X	42.63184	226.36520	297.33822	2.55371	0.0958221	0.28539394	2.2847546	21	3 17.1	19.9
337218 2000 BV_{43}	17.8	X	70.71205	213.94075	309.65703	3.75578	0.1156125	0.28886569	2.2664114	21	5 9.2	20.1
337219 2000 CF_{100}	17.6	X	95.29005	156.60386	319.83778	5.08552	0.1000407	0.28645149	2.2791277	21	4 4.7	20.3
337220 2000 CC_{109}	16.5	X	332.62126	166.04040	134.46002	13.12809	0.1170622	0.20091594	2.8870865	21	6 13.1	20.2
337221 2000 CB_{129}	17.1	X	290.67147	324.98527	307.08072	7.27403	0.1159942	0.28440261	2.2900607	21	2 19.6	20.1
337222 2000 DC_{14}	17.3	X	237.97060	299.24689	337.17766	6.05700	0.1312659	0.27443053	2.3452066	21	1 3.7	20.9
337223 2000 EN_{1}	16.9	X	251.17546	178.27688	334.26084	7.72076	0.2621873	0.21698014	2.7427700	21	10 30.4	21.0
337224 2000 EF_{3}	16.5	X	349.55956	197.63961	349.19722	7.16745	0.1097835	0.27794030	2.3254216	21	1 20.8	19.1
337225 2000 EH_{27}	17.6	X	36.58107	322.21155	212.13408	1.69936	0.1554880	0.28262410	2.2996580	21	3 25.8	19.4
337226 2000 EL_{98}	17.4	X	37.26655	9.04259	150.38387	8.29167	0.0248099	0.28308571	2.2971574	21	3 2.9	19.9
337227 2000 EH_{160}	17.3	X	268.58894	265.57543	332.02009	6.93543	0.1420724	0.27280445	2.3545165	21	—	—
337228 2000 FL_{1}	15.4	X	291.58257	7.85825	78.73242	43.35494	0.5239873	0.21657823	2.7461622	21	9 7.2	20.0
337229 2000 FP_{50}	16.5	X	46.62160	316.82359	292.06356	0.90433	0.0058922	0.19860433	2.9094456	21	7 22.3	20.5
337230 2000 GR_{47}	16.9	X	192.72406	60.03584	203.11710	11.81661	0.2384305	0.26171981	2.4205366	21	—	—
337231 2000 GK_{57}	16.4	X	256.70953	279.08292	211.34117	5.91132	0.2659254	0.21296477	2.7771385	21	10 10.7	20.5
337232 2000 GZ_{145}	16.3	X	326.22223	246.29073	43.57292	1.00447	0.0665233	0.19187858	2.9770426	21	5 23.7	20.2
337233 2000 GW_{175}	16.8	X	32.25108	346.34906	187.34984	7.68103	0.2008914	0.28182202	2.3040192	21	3 14.6	18.3
337234 2000 HJ_{18}	17.6	X	208.82804	99.28651	219.05718	7.03401	0.1356853	0.27019684	2.3696409	21	1 25.4	21.4
337235 2000 HX_{22}	16.8	X	359.99759	129.20367	71.35491	7.47985	0.0681954	0.27850335	2.3222863	21	3 6.0	19.4
337236 2000 HM_{59}	16.0	X	328.42319	13.62084	239.13961	3.40695	0.1970080	0.18448111	3.0561039	21	3 20.7	19.8
337237 2000 HM_{63}	17.2	X	348.81599	153.78241	43.62814	5.92185	0.1586939	0.27611150	2.3356784	21	1 27.4	19.7
337238 2000 HH_{74}	16.4	X	323.84476	29.70471	217.86266	7.79888	0.2041052	0.18320434	3.0702863	21	3 5.1	20.5
337239 2000 JZ_{13}	16.0	X	322.77093	219.80229	52.99454	13.91250	0.2411039	0.18472657	3.0533961	21	4 7.6	19.9
337240 2000 JS_{16}	16.1	X	51.01182	316.45737	233.65663	22.86046	0.1866985	0.28378294	2.2933933	21	5 28.2	18.0
337241 2000 KE_{12}	16.2	X	164.53259	104.76264	240.21406	11.48094	0.2655470	0.26502523	2.4003684	21	1 25.3	20.4
337242 2000 KF_{40}	17.2	X	210.52480	264.06581	56.22860	6.96901	0.1726212	0.26921658	2.3753896	21	2 3.9	21.1
337243 2000 NC_{7}	17.2	X	122.55330	133.83083	196.74124	2.82451	0.1991116	0.25368212	2.4713987	21	—	—
337244 2000 PX_{26}	15.0	X	210.33441	123.97328	238.51977	16.98472	0.2103671	0.17188125	3.2036892	21	3 28.0	20.7
337245 2000 QX_{148}	15.2	X	319.57742	210.41032	54.44018	18.39763	0.1823826	0.17835704	3.1256659	21	4 5.7	19.5
337246 2000 QJ_{178}	17.6	X	124.06452	133.82467	208.69673	4.53543	0.2840970	0.25322757	2.4743553	21	—	—
337247 2000 QA_{229}	15.0	X	265.75739	295.66334	345.55361	17.97572	0.1098469	0.16899841	3.2400196	21	2 24.9	20.0
337248 2000 RH_{60}	20.1	X	80.49607	354.39602	177.87566	19.64824	0.5513595	1.31315557	0.8258958	21	9 10.5	19.1
337249 2000 RY_{60}	16.4	X	115.74290	164.73795	209.23883	7.22463	0.1209053	0.25435721	2.4670238	21	—	—
337250 2000 RV_{96}	14.8	X	219.52488	82.40448	258.66701	19.52176	0.2600771	0.17081851	3.2169632	21	3 4.9	20.9
337251 2000 RA_{105}	16.9	X	62.93841	122.15691	253.51028	7.05721	0.2828532	0.24519940	2.5280740	21	—	—
337252 2000 SD_{8}	20.7	X	209.50895	211.61493	19.07275	6.54807	0.3136714	0.82187800	1.1287501	21	—	—
337253 2000 SA_{11}	16.5	X	2.69156	90.00360	346.94497	21.23056	0.3357624	0.24139168	2.5545899	21	—	—
337254 2000 SU_{40}	16.5	X	77.32235	78.63130	242.97586	11.83904	0.1989423	0.24303122	2.5430877	21	12 30.2	20.6
337255 2000 SX_{72}	16.8	X	32.86067	23.70894	24.39349	8.24311	0.3181656	0.24371450	2.5383322	21	—	—
337256 2000 SP_{86}	16.1	X	30.61314	321.25769	80.71957	5.72401	0.1478868	0.24349679	2.5398450	21	—	—
337257 2000 SJ_{98}	17.1	X	36.95286	209.21649	199.10045	9.49089	0.2756932	0.24515269	2.5283951	21	—	—
337258 2000 SV_{136}	15.5	X	239.18293	102.87829	244.64781	14.02662	0.2417235	0.17242259	3.1969801	21	4 1.2	21.1
337259 2000 SD_{175}	16.8	X	42.97882	162.76934	258.31437	6.54793	0.2227078	0.24657130	2.5186880	21	—	—
337260 2000 SJ_{195}	15.8	X	208.22347	57.85276	354.04187	14.94912	0.1802236	0.17495960	3.1659997	21	5 24.6	21.3
337261 2000 SZ_{198}	17.4	X	74.53407	229.93392	182.26027	3.91711	0.2040530	0.25125927	2.4872608	21	—	—
337262 2000 SS_{200}	16.8	X	145.35907	339.22744	4.47987	6.34242	0.1137858	0.25466022	2.4650665	21	—	—
337263 2000 SZ_{215}	17.2	X	32.83529	215.71078	194.67275	5.64894	0.1889721	0.24547310	2.5261944	21	—	—
337264 2000 SS_{254}	16.5	X	304.78621	170.32599	177.22626	13.80293	0.1325214	0.22816503	2.6523856	21	6 28.4	20.0
337265 2000 SP_{255}	17.7	X	68.12175	327.47797	28.41967	11.07391	0.2722539	0.24512417	2.5285912	21	—	—
337266 2000 SY_{328}	15.8	X	17.81483	133.55245	254.74771	14.43430	0.1203151	0.24150879	2.5537639	21	—	—
337267 2000 SJ_{361}	15.5	X	240.25222	289.86784	17.88740	25.61937	0.2349914	0.17002334	3.2269856	21	3 4.6	21.3
337268 2000 TH_{67}	16.5	X	358.73308	22.10516	29.71801	12.74683	0.1644118	0.24133686	2.5549767	21	—	—
337269 2000 UT_{23}	16.9	X	39.85410	318.08459	73.84294	6.34259	0.2856845	0.24263692	2.5458421	21	—	—
337270 2000 UE_{45}	17.1	X	66.63512	172.77396	205.07875	4.51363	0.2595711	0.24486262	2.5303915	21	—	—
337271 2000 UY_{63}	17.0	X	64.59110	155.31583	240.17138	11.43755	0.2329358	0.24647204	2.5193641	21	—	—
337272 2000 UA_{64}	16.6	X	43.41352	181.28418	231.82609	10.70595	0.1441063	0.24669338	2.5178570	21	—	—
337273 2000 UE_{76}	16.6	X	55.02623	347.68493	34.35665	14.67444	0.2728875	0.24323013	2.5417010	21	—	—
337274 2000 UJ_{76}	16.6	X	37.10826	335.03707	59.08330	13.42831	0.2744807	0.24281920	2.5445678	21	—	—
337275 2000 UD_{77}	16.9	X	30.89020	33.11017	44.56931	10.05752	0.2379456	0.24569380	2.5246814	21	—	—
337276 2000 UB_{82}	17.2	X	52.66542	333.35985	43.46467	7.05169	0.2202708	0.24367950	2.5385753	21	—	—
337277 2000 UE_{92}	16.5	X	354.04577	191.51105	235.11115	13.72638	0.1711638	0.24017663	2.5631984	21	—	—
337278 2000 VS_{3}	17.3	X	359.08168	216.20952	213.73548	4.36202	0.2412136	0.24109388	2.5566931	21	—	—
337279 2000 VG_{59}	15.8	X	78.48679	96.11568	274.93402	11.72684	0.1958499	0.24488981	2.5302042	21	—	—
337280 2000 VL_{60}	16.6	X	340.89078	233.61019	214.06308	5.41742	0.1142067	0.24109011	2.5567197	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
337281 2000 WC_{15}	15.7	X	66.54289	332.05450	47.36545	8.51709	0.1760917	0.24315258	2.5422415	21	—	—
337282 2000 WB_{33}	16.9	X	59.32662	273.67763	111.81948	5.94926	0.2663674	0.24359223	2.5391816	21	—	—
337283 2000 WR_{67}	17.7	X	3.42924	235.10667	236.83115	7.07132	0.4102367	0.24156816	2.5533455	21	—	—
337284 2000 WM_{74}	16.7	X	16.04616	151.92671	284.63800	4.32623	0.2519507	0.24305028	2.5429548	21	—	—
337285 2000 WX_{89}	16.2	X	23.84458	179.16124	250.61628	13.72553	0.0725124	0.24273425	2.5451615	21	—	—
337286 2000 WQ_{111}	16.4	X	71.57157	341.55965	41.43924	6.94373	0.2496935	0.24476164	2.5310874	21	—	—
337287 2000 WW_{147}	15.8	X	57.25498	76.22524	276.59968	4.90723	0.2048999	0.23734748	2.5835268	21	—	—
337288 2000 WL_{156}	16.7	X	60.54868	104.87805	289.02056	6.23110	0.2697163	0.24498460	2.5295515	21	—	—
337289 2000 WL_{194}	16.0	X	25.04627	355.47684	63.54373	15.21261	0.1655735	0.23767794	2.5811315	21	—	—
337290 2000 XC_{3}	15.7	X	17.44469	113.53398	319.15850	9.67662	0.2317183	0.24284539	2.5443849	21	—	—
337291 2000 XG_{10}	15.6	X	88.70379	322.38325	57.64129	14.86682	0.1660571	0.24269961	2.5454037	21	—	—
337292 2000 XE_{14}	16.6	X	321.99740	30.49564	83.90144	4.15586	0.1262719	0.23844972	2.5755590	21	—	—
337293 2000 XD_{18}	16.0	X	22.07879	112.14288	300.07349	10.28956	0.2857956	0.24127793	2.5553927	21	—	—
337294 2000 XE_{19}	17.7	X	40.52144	61.04368	337.49883	5.33668	0.3318996	0.24267155	2.5455999	21	—	—
337295 2000 XR_{21}	16.3	X	288.18915	186.75752	294.29706	12.25079	0.2385426	0.23452651	2.6042025	21	11 20.6	19.2
337296 2000 XS_{53}	16.6	X	67.76650	161.57661	231.25814	3.03686	0.1863381	0.24478450	2.5309298	21	—	—
337297 2000 YO	15.3	X	357.68572	101.25800	29.31851	18.43203	0.2116805	0.24272591	2.5452198	21	—	—
337298 2000 YY_{7}	16.2	X	353.96182	333.51216	83.77263	13.60882	0.1813987	0.23442932	2.6049222	21	—	—
337299 2000 YQ_{8}	16.3	X	35.35726	99.69651	278.39168	13.36556	0.1561242	0.23581044	2.5947411	21	—	—
337300 2000 YG_{9}	16.9	X	332.17385	167.99996	291.03598	3.49955	0.1977093	0.23598337	2.5934733	21	—	—
337301 2000 YZ_{22}	16.6	X	288.40169	249.75140	262.05511	3.39136	0.1611937	0.23522251	2.5990629	21	—	—
337302 2000 YT_{26}	16.5	X	338.07626	6.82666	96.43663	9.27888	0.1833299	0.23820912	2.5772930	21	—	—
337303 2000 YS_{27}	17.0	X	12.63769	21.90969	342.58809	1.91541	0.1137306	0.22842735	2.6503546	21	11 20.9	20.2
337304 2000 YP_{37}	16.1	X	5.87974	318.47110	113.58810	6.28165	0.1503512	0.23834911	2.5762837	21	—	—
337305 2000 YM_{52}	16.9	X	343.66048	357.30245	85.84971	5.93279	0.2359334	0.23668969	2.5883112	21	—	—
337306 2000 YR_{53}	16.0	X	349.44902	124.12373	292.95568	6.14393	0.1644129	0.23395638	2.6084316	21	—	—
337307 2000 YM_{58}	17.3	X	335.57132	166.42300	270.80894	5.05398	0.2811130	0.23496164	2.6009863	21	—	—
337308 2000 YY_{87}	16.5	X	352.40382	176.52910	279.66967	2.42750	0.2010347	0.23957848	2.5674629	21	—	—
337309 2000 YD_{125}	16.1	X	26.47048	114.03158	297.18491	5.15806	0.2401412	0.23829280	2.5766896	21	—	—
337310 2000 YN_{127}	16.0	X	304.56437	182.55093	305.27821	13.03067	0.2163477	0.23429466	2.6059203	21	—	—
337311 2001 AO_{35}	15.9	X	42.23024	316.84720	85.31844	14.31927	0.1539946	0.23910777	2.5708314	21	—	—
337312 2001 AW_{39}	16.9	X	348.45245	344.81509	82.20220	4.39475	0.2899452	0.23579011	2.5948902	21	—	—
337313 2001 AP_{47}	16.4	X	350.20366	104.25691	342.97001	29.33634	0.2904127	0.23771347	2.5808743	21	—	—
337314 2001 BM_{4}	15.8	X	69.04981	57.28048	346.65725	14.37599	0.2563393	0.24267733	2.5455595	21	—	—
337315 2001 BN_{4}	15.7	X	278.76692	124.72527	346.88864	14.91822	0.0975017	0.22843885	2.6502656	21	11 6.9	19.3
337316 2001 BF_{13}	16.7	X	312.24271	130.54151	315.93490	2.10434	0.1884454	0.23143864	2.6273150	21	11 27.7	19.1
337317 2001 BM_{19}	16.5	X	8.60274	332.34973	81.90154	5.65064	0.1586462	0.23534252	2.5981793	21	—	—
337318 2001 BM_{27}	16.5	X	350.64425	315.99816	135.60822	7.76400	0.2087120	0.23679736	2.5875265	21	—	—
337319 2001 BV_{57}	16.4	X	330.48931	159.64129	301.88946	4.60746	0.2154875	0.23476295	2.6024537	21	—	—
337320 2001 BF_{61}	15.7	X	13.84106	60.45966	311.99665	12.31873	0.1744415	0.22986308	2.6393069	21	12 13.1	18.9
337321 2001 BU_{66}	15.4	X	272.03151	123.29145	15.74146	13.41896	0.1999022	0.22704310	2.6611163	21	11 20.3	18.8
337322 2001 CT_{10}	16.3	X	17.13676	346.27905	89.46987	5.03649	0.2222231	0.23871744	2.5736330	21	—	—
337323 2001 CV_{14}	17.1	X	164.97758	131.56241	21.31776	4.37087	0.0442616	0.31392004	2.1441575	21	8 30.0	19.6
337324 2001 CG_{47}	16.8	X	338.70955	63.17612	327.15078	5.46970	0.0361329	0.22388037	2.6861197	21	10 26.3	20.3
337325 2001 DF	15.8	X	337.06449	57.26504	57.74817	5.15541	0.2311598	0.23571871	2.5954142	21	—	—
337326 2001 DT_{11}	16.3	X	8.52359	298.89494	136.35727	5.48945	0.2727547	0.23650133	2.5896853	21	—	—
337327 2001 DS_{26}	16.5	X	311.15845	142.78494	345.71531	13.10093	0.1176880	0.23299251	2.6156205	21	—	—
337328 2001 DU_{40}	16.5	X	26.39292	295.16341	143.99254	9.71927	0.3762724	0.24089831	2.5580766	21	—	—
337329 2001 DN_{55}	17.4	X	341.80720	23.64596	75.35066	0.78102	0.1310407	0.23443385	2.6048887	21	—	—
337330 2001 DC_{57}	17.1	X	1.01427	122.16277	146.13117	7.76417	0.2762227	0.20432030	2.8549272	21	6 13.9	19.4
337331 2001 DY_{72}	16.5	X	299.18245	320.83991	162.68849	13.60329	0.2040470	0.23101999	2.6304881	21	12 23.7	19.2
337332 2001 DC_{78}	16.5	X	349.61428	276.41489	142.48517	15.01049	0.2120314	0.23236945	2.6202941	21	—	—
337333 2001 EL_{4}	16.3	X	321.91651	90.84173	2.20819	7.22785	0.1591744	0.22990240	2.6390060	21	12 28.9	19.0
337334 2001 EH_{5}	16.2	X	284.06144	313.92555	143.77490	8.64971	0.2432136	0.22598315	2.6694309	21	10 14.5	19.3
337335 2001 EQ_{18}	15.7	X	284.62123	127.84970	337.45647	20.81292	0.1059541	0.22753791	2.6572569	21	11 1.7	19.6
337336 2001 FF_{10}	16.6	X	218.62180	331.07814	194.76244	13.28637	0.1892431	0.22249748	2.6972383	21	10 26.9	20.7
337337 2001 FC_{21}	15.6	X	355.34179	75.34599	113.71843	17.90348	0.2333663	0.24058130	2.5603232	21	1 22.6	18.2
337338 2001 FB_{25}	16.1	X	287.01948	141.53101	0.47911	13.75721	0.1933031	0.22903658	2.6456526	21	12 26.6	19.1
337339 2001 FL_{31}	16.0	X	104.90997	227.49613	0.06779	11.54333	0.1585194	0.21250136	2.7811745	21	9 26.7	20.2
337340 2001 FG_{56}	15.8	X	84.00752	238.03150	26.24612	16.26886	0.2483696	0.21283777	2.7782431	21	10 28.8	20.2
337341 2001 FE_{59}	16.3	X	236.77031	157.75857	25.92081	5.62959	0.1808667	0.22761041	2.6566926	21	12 6.8	20.0
337342 2001 FV_{179}	16.7	X	318.49815	108.38865	32.66585	13.66804	0.2251188	0.23401107	2.6080252	21	—	—
337343 2001 FW_{196}	15.9	X	103.07457	160.30295	96.47023	6.75827	0.2106851	0.21339634	2.7733929	21	11 6.5	20.4
337344 2001 FV_{216}	16.7	X	300.16991	184.34959	188.65992	6.19353	0.0630397	0.21192092	2.7862505	21	8 4.8	20.3
337345 2001 KO_{20}	20.6	X	57.15741	66.31678	75.25817	14.19305	0.1214431	0.73145460	1.2199568	21	—	—
337346 2001 LH_{8}	16.7	X	206.49548	352.47225	305.61213	11.27889	0.1886101	0.27490355	2.3425155	21	1 2.7	20.5
337347 2001 ME_{22}	15.5	X	205.42058	1.76438	292.83999	14.30424	0.2302772	0.17428415	3.1741744	21	1 11.8	21.0
337348 2001 OC_{23}	15.3	X	193.75972	302.45125	99.49320	18.47584	0.2341173	0.18054171	3.1003997	21	5 10.9	20.9
337349 2001 OS_{30}	17.4	X	184.75284	272.36738	59.25231	5.71167	0.1731838	0.27463131	2.3440634	21	1 23.9	21.1
337350 2001 OP_{32}	17.1	X	218.58609	345.79525	327.23959	8.25116	0.2343051	0.27830724	2.3233771	21	1 30.9	21.0
337351 2001 OY_{36}	17.6	X	234.76112	323.54981	352.54362	3.07195	0.2352329	0.28054529	2.3110041	21	2 15.3	21.3
337352 2001 OR_{41}	15.9	X	245.33290	313.30912	13.81442	11.62306	0.2157489	0.18368502	3.0649276	21	3 20.5	20.9
337353 2001 OR_{85}	15.1	X	276.66018	99.12281	265.67866	12.92269	0.2237312	0.19168193	2.9790784	21	5 31.4	19.5
337354 2001 ON_{104}	17.0	X	200.08073	226.95061	93.99509	6.77730	0.2118011	0.27528263	2.3403645	21	1 25.5	20.9
337355 2001 OQ_{110}	17.9	X	216.62846	70.34956	243.31112	1.29955	0.2270879	0.27724296	2.3293193	21	1 28.8	21.7
337356 2001 OH_{111}	17.2	X	170.19929	281.61457	68.22522	6.46046	0.2437123	0.27329438	2.3517018	21	2 8.2	21.0
337357 2001 PK_{7}	16.7	X	21.83246	214.38969	241.71294	19.57442	0.1242034	0.36643123	1.9340798	21	—	—
337358 2001 PC_{8}	17.6	X	178.55608	241.00253	79.50047	6.68143	0.2186143	0.27179577	2.3603383	21	1 7.2	21.2
337359 2001 PL_{11}	16.1	X	262.56332	252.05202	96.01277	5.25868	0.2231890	0.18835828	3.0140207	21	4 28.5	20.8
337360 2001 PM_{17}	17.1	X	160.10154	357.63164	19.92317	6.00291	0.1856668	0.27509445	2.3414317	21	2 28.4	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
337361 2001 PB_{21}	15.9	X	207.81379	47.89661	312.43191	6.00729	0.2837695	0.18122137	3.0926430	21	3 24.2	21.6
337362 2001 PS_{31}	15.5	X	201.81871	97.24607	282.18018	20.34934	0.2212193	0.18109609	3.0940691	21	4 4.7	21.3
337363 2001 PJ_{32}	17.3	X	187.43278	290.42019	60.77001	5.34446	0.2467729	0.27567234	2.3381583	21	2 23.9	21.3
337364 2001 PC_{36}	15.9	X	239.45631	128.75269	180.67638	22.86801	0.2700782	0.17999211	3.1067078	21	2 16.9	21.5
337365 2001 PH_{36}	17.3	X	12.06200	126.67518	285.98749	17.15066	0.0819661	0.35827732	1.9633143	21	—	—
337366 2001 PS_{40}	16.7	X	168.74561	124.84769	237.63782	7.46670	0.1690850	0.27311956	2.3527052	21	2 11.2	20.4
337367 2001 PD_{43}	16.1	X	264.87014	200.51733	115.50903	12.84852	0.2961118	0.18484320	3.0521115	21	3 20.3	21.4
337368 2001 PW_{46}	15.5	X	174.70850	302.97801	85.95994	12.52181	0.2497514	0.17818512	3.1276760	21	4 11.5	21.1
337369 2001 PY_{54}	17.5	X	204.90204	9.29992	283.78380	2.77690	0.2135050	0.27342265	2.3509662	21	—	—
337370 2001 PY_{61}	17.4	X	199.56204	41.97120	324.88586	4.18022	0.1476594	0.27892689	2.3199349	21	3 18.4	20.9
337371 2001 QL_{3}	17.2	X	175.95753	204.78199	137.91015	6.91523	0.3047549	0.27352387	2.3503862	21	2 5.7	21.1
337372 2001 QO_{40}	17.1	X	168.44419	232.89574	149.20568	4.72810	0.3055440	0.27600836	2.3362603	21	3 20.2	21.1
337373 2001 QY_{45}	17.2	X	195.55552	43.64897	305.73089	6.66082	0.1448467	0.27746437	2.3280800	21	2 20.2	20.8
337374 2001 QQ_{46}	17.3	X	151.98230	229.51207	153.05864	2.69226	0.2167760	0.27407773	2.3472187	21	2 27.8	20.7
337375 2001 QQ_{49}	17.5	X	133.53590	116.36340	259.18545	2.05834	0.2349650	0.27008277	2.3703081	21	2 1.9	20.8
337376 2001 QN_{54}	16.8	X	186.50922	358.76380	348.72856	4.64751	0.2002251	0.27539547	2.3397252	21	2 14.9	20.6
337377 2001 QO_{62}	17.5	X	176.70359	65.94271	285.90819	1.82792	0.2283490	0.27365237	2.3496504	21	2 12.3	21.3
337378 2001 QQ_{67}	17.1	X	185.96786	234.52294	84.34869	5.32561	0.2539713	0.27272853	2.3549535	21	1 13.7	21.1
337379 2001 QY_{84}	16.3	X	229.65151	199.41770	122.74121	15.33455	0.2860361	0.18004661	3.1060808	21	3 1.3	21.9
337380 Lenormand	17.4	X	127.45450	194.79830	145.90300	1.75452	0.1975215	0.26681496	2.3896223	21	—	—
337381 2001 QF_{90}	15.5	X	195.54443	66.39726	311.22560	15.06920	0.2614949	0.17768418	3.1335517	21	3 30.7	21.3
337382 2001 QC_{91}	17.4	X	140.35666	137.85558	220.27303	19.97831	0.0914576	0.36954860	1.9231877	21	—	—
337383 2001 QC_{107}	17.2	X	296.64138	263.07036	269.69104	18.38870	0.0733332	0.36610328	1.9352347	21	—	—
337384 2001 QY_{110}	15.7	X	145.58735	106.50867	308.41080	13.33529	0.2761903	0.17542401	3.1604095	21	4 8.7	21.3
337385 2001 QQ_{118}	15.5	X	222.42380	64.52118	313.42596	8.16125	0.2226586	0.18164375	3.0878468	21	4 24.6	21.0
337386 2001 QG_{144}	18.2	X	184.68541	157.23919	160.93236	1.48972	0.1949053	0.27134360	2.3629598	21	1 7.7	21.8
337387 2001 QX_{144}	17.4	X	138.04748	222.74269	157.39796	1.64716	0.1970281	0.27229273	2.3574656	21	2 7.9	20.5
337388 2001 QV_{145}	17.6	X	173.84740	72.19126	258.10418	0.30047	0.2013359	0.27258623	2.3557730	21	1 13.1	21.2
337389 2001 QK_{146}	18.1	X	199.46747	344.41001	329.35800	0.77762	0.1934413	0.27267932	2.3552368	21	1 15.3	22.0
337390 2001 QP_{151}	17.6	X	47.41090	92.12070	311.26237	18.15982	0.1158117	0.36280319	1.9469523	21	—	—
337391 2001 QR_{157}	15.8	X	212.65870	219.89484	169.71078	5.13873	0.2889158	0.18330940	3.0691131	21	5 3.6	21.4
337392 2001 QW_{160}	17.4	X	197.98855	166.39529	156.13590	2.91969	0.1966001	0.27450799	2.3447654	21	1 23.9	21.2
337393 2001 QO_{163}	15.5	X	168.07417	189.89233	212.51311	15.25376	0.2734651	0.17475534	3.1684662	21	4 16.7	21.0
337394 2001 QO_{165}	16.7	X	208.06521	177.18854	127.60227	7.53583	0.1344044	0.27392023	2.3481183	21	1 9.2	20.2
337395 2001 QF_{166}	17.3	X	193.24857	355.34413	6.21206	6.63852	0.1538633	0.27798560	2.3251690	21	3 8.6	20.7
337396 2001 QU_{167}	17.0	X	201.06265	344.24253	5.54283	7.49001	0.1351681	0.27783345	2.3260178	21	3 1.3	20.5
337397 2001 QF_{183}	15.5	X	245.93235	51.39315	327.60880	9.67251	0.1427966	0.18821807	3.0155174	21	5 23.8	20.4
337398 2001 QW_{184}	15.9	X	281.08551	4.31611	299.12465	13.25852	0.2614477	0.18493125	3.0511427	21	3 11.4	20.9
337399 2001 QL_{186}	17.4	X	188.00914	132.47806	191.91699	1.83043	0.2311352	0.27281702	2.3544442	21	1 19.8	21.2
337400 2001 QQ_{186}	15.9	X	193.85387	241.69733	169.69162	7.52665	0.3155721	0.18126283	3.0921713	21	5 16.5	21.6
337401 2001 QM_{189}	15.0	X	276.25914	38.50597	269.84038	16.80844	0.1772584	0.18384317	3.0631696	21	3 19.9	20.0
337402 2001 QA_{197}	17.6	X	152.10804	102.55023	274.26098	2.01413	0.2469763	0.27247153	2.3564341	21	2 22.7	21.3
337403 2001 QT_{207}	17.4	X	143.41819	229.73444	112.51395	3.03349	0.2059080	0.26843831	2.3799786	21	—	—
337404 2001 QT_{209}	17.2	X	250.94971	19.18239	299.95857	5.76785	0.1311553	0.28144662	2.3060675	21	3 7.0	20.5
337405 2001 QE_{225}	15.8	X	251.48182	33.71519	342.82531	8.49862	0.1275502	0.18913444	3.0057693	21	5 28.7	20.4
337406 2001 QV_{230}	16.9	X	144.98370	146.41776	248.87485	6.01568	0.1649113	0.27403182	2.3474808	21	2 28.1	20.3
337407 2001 QG_{234}	16.3	X	247.18808	224.22887	166.62690	4.81924	0.2740158	0.18669807	3.0318624	21	5 30.9	21.4
337408 2001 QS_{234}	16.1	X	236.98908	47.96132	349.98893	15.17416	0.3902063	0.18499218	3.0504727	21	5 18.8	22.0
337409 2001 QG_{246}	16.8	X	162.49136	338.58232	7.38301	12.73421	0.2088124	0.26942052	2.3741907	21	1 27.5	20.6
337410 2001 QG_{253}	17.2	X	160.42056	348.77847	19.51125	3.23417	0.2042770	0.27311842	2.3527117	21	2 17.9	20.7
337411 2001 QC_{254}	17.1	X	124.73110	321.78383	68.42923	5.90348	0.2123801	0.27066171	2.3669269	21	2 10.5	20.2
337412 2001 QO_{262}	16.0	X	220.83042	61.26756	330.57421	9.91348	0.3141247	0.18231678	3.0802428	21	5 5.9	21.8
337413 2001 QE_{263}	16.4	X	247.52516	102.00729	270.35638	6.26007	0.1411455	0.28356675	2.2945587	21	5 13.5	19.8
337414 2001 QA_{267}	17.9	X	156.34232	142.59563	187.47560	5.22532	0.2393204	0.26934867	2.3746129	21	—	—
337415 2001 QH_{281}	15.6	X	178.45121	288.74188	88.40283	16.51043	0.3070667	0.17652988	3.1471968	21	4 4.5	21.6
337416 2001 QL_{283}	15.8	X	237.40168	111.90262	281.44883	12.32108	0.3768456	0.18527499	3.0473676	21	5 17.5	21.5
337417 2001 QY_{285}	16.9	X	184.44771	63.06684	250.97030	6.35703	0.2105028	0.27185212	2.3600121	21	1 3.0	20.7
337418 2001 QK_{291}	17.2	X	138.73686	296.31125	74.13526	6.48677	0.2426488	0.27051427	2.3677868	21	2 4.5	20.6
337419 2001 QA_{327}	17.4	X	180.83933	311.88392	54.71882	2.85269	0.2301302	0.27631773	2.3345161	21	3 7.4	21.2
337420 2001 QX_{333}	12.7	X	259.70760	347.68283	352.92350	26.62811	0.0605322	0.08246612	5.2273995	21	4 27.6	20.0
337421 2001 QY_{333}	16.1	X	214.98072	284.12839	101.43484	5.61973	0.1857718	0.18235799	3.0797788	21	5 4.4	21.3
337422 2001 RT_{1}	15.7	X	266.51770	136.42937	168.21772	17.17163	0.1008038	0.18155750	3.0888246	21	3 24.3	20.3
337423 2001 RP_{7}	16.2	X	228.11776	224.53699	167.32787	1.59894	0.2886337	0.18537058	3.0463200	21	5 16.0	21.4
337424 2001 RS_{8}	17.7	X	244.96677	289.64156	348.54886	5.21617	0.2243100	0.27616322	2.3353868	21	1 9.9	21.6
337425 2001 RV_{9}	17.6	X	10.43269	176.18390	250.00428	18.47687	0.0859930	0.35954954	1.9586803	21	—	—
337426 2001 RJ_{11}	17.0	X	175.10661	135.84161	184.19880	10.40722	0.2739040	0.26939729	2.3743272	21	1 6.6	21.1
337427 2001 RD_{13}	16.3	X	181.44160	143.27813	261.16756	24.30527	0.1924958	0.27970742	2.3156170	21	4 14.6	20.6
337428 2001 RG_{13}	16.4	X	201.20766	139.54593	179.03947	10.23981	0.2067854	0.17538773	3.1608454	21	2 2.1	21.9
337429 2001 RL_{16}	17.8	X	177.56628	70.58977	263.36021	1.19800	0.2264431	0.27152258	2.3619212	21	1 22.7	21.6
337430 2001 RU_{18}	17.8	X	157.62171	199.32104	172.72313	2.51128	0.2176339	0.27320659	2.3522055	21	2 19.6	21.3
337431 2001 RX_{21}	15.6	X	239.67155	9.61814	338.32437	21.62664	0.1363442	0.18344302	3.0676225	21	4 2.6	20.8
337432 2001 RY_{27}	17.2	X	90.43638	172.84087	225.53530	1.51811	0.1739621	0.26701280	2.3884418	21	—	—
337433 2001 RL_{29}	17.7	X	187.54539	346.13325	9.77396	1.40137	0.1967253	0.27544839	2.3394256	21	2 25.5	21.2
337434 2001 RO_{30}	17.6	X	129.22945	180.20070	155.84663	6.34114	0.2763133	0.26560091	2.3968987	21	—	—
337435 2001 RY_{37}	15.9	X	245.85725	35.95743	313.95610	9.32717	0.1419322	0.18493778	3.0510708	21	4 15.9	20.9
337436 2001 RC_{40}	16.6	X	211.70756	210.11872	154.43213	1.23333	0.1879672	0.18074831	3.0980367	21	4 5.5	21.9
337437 2001 RH_{41}	16.9	X	300.47056	69.51184	203.99725	4.50704	0.1004552	0.28083730	2.3094019	21	3 9.2	19.7
337438 2001 RS_{42}	17.7	X	193.19411	89.99262	185.57623	10.72263	0.2378118	0.26812652	2.3818233	21	—	—
337439 2001 RO_{43}	17.5	X	187.83921	71.67422	285.09355	2.89743	0.2438603	0.27509082	2.3414523	21	2 27.2	21.4
337440 2001 RS_{47}	17.8	X	78.71610	217.94964	169.64860	22.85255	0.1039635	0.36257789	1.9477588	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
337441 2001 RA_{49}	15.5	X	225.27340	333.29833	71.35790	23.45972	0.2880941	0.18348838	3.0671169	21	5 29.4	20.8
337442 2001 RT_{49}	16.0	X	234.38062	107.01093	242.51519	11.80127	0.1647387	0.18201605	3.0836347	21	4 4.3	21.2
337443 2001 RT_{53}	17.4	X	186.44092	228.14492	80.30970	2.21706	0.1934219	0.27116893	2.3639744	21	—	—
337444 2001 RS_{54}	16.0	X	267.54313	327.61783	10.30574	12.59350	0.1398810	0.18415693	3.0596893	21	4 25.5	20.7
337445 2001 RV_{54}	17.5	X	168.79055	128.43899	193.48359	0.91723	0.1952261	0.26964572	2.3728686	21	—	—
337446 2001 RR_{57}	15.9	X	243.24401	3.71432	5.61848	12.09021	0.1652728	0.18531284	3.0469527	21	5 5.7	20.9
337447 2001 RH_{58}	15.6	X	207.36443	359.51912	10.02527	16.78957	0.0920967	0.18009433	3.1055321	21	4 7.5	20.3
337448 2001 RT_{60}	17.3	X	141.32805	247.97128	114.51446	4.00507	0.2069867	0.26866484	2.3786406	21	1 22.2	20.6
337449 2001 RO_{81}	17.1	X	133.71124	355.48856	6.08805	4.10326	0.1942095	0.26722315	2.3871882	21	1 11.6	20.2
337450 2001 RS_{81}	16.9	X	176.02950	320.54742	13.68148	6.46232	0.1851288	0.27050998	2.3678118	21	1 20.9	20.6
337451 2001 RS_{85}	15.5	X	207.84694	60.69477	359.38627	13.18755	0.1392480	0.18482566	3.0523046	21	6 6.4	20.6
337452 2001 RA_{88}	15.7	X	245.03933	356.06559	10.08457	12.90643	0.1461194	0.18393678	3.0621303	21	5 5.3	20.7
337453 2001 RE_{88}	16.0	X	232.81578	354.74569	42.85909	2.94200	0.2550071	0.18457610	3.0550552	21	5 27.6	21.1
337454 2001 RF_{88}	17.1	X	193.46718	148.06099	179.06182	23.58112	0.2089082	0.27233721	2.3572088	21	1 24.2	21.4
337455 2001 RR_{89}	17.3	X	165.44969	244.55315	73.07727	2.42363	0.1917005	0.26793980	2.3829297	21	—	—
337456 2001 RJ_{96}	18.3	X	122.12885	169.36180	236.52160	1.06286	0.2337321	0.27124747	2.3635180	21	2 27.9	21.3
337457 2001 RM_{97}	17.5	X	195.74544	314.69808	345.19833	6.55468	0.1235664	0.27072345	2.3665670	21	—	—
337458 2001 RQ_{100}	17.4	X	141.17952	233.22883	131.87012	5.75851	0.2484477	0.26981932	2.3718507	21	1 30.0	20.7
337459 2001 RW_{107}	17.9	X	161.20930	325.83404	2.04700	1.05647	0.1980365	0.26937260	2.3744723	21	—	—
337460 2001 RQ_{109}	17.3	X	139.98572	243.29309	160.34883	7.23091	0.1008937	0.27458051	2.3443525	21	2 28.2	20.2
337461 2001 RP_{112}	17.3	X	210.63266	305.19318	357.27022	8.08290	0.1992557	0.27344686	2.3508275	21	1 12.7	21.3
337462 2001 RR_{121}	17.2	X	179.19828	198.43752	111.92673	2.51539	0.1792556	0.26942083	2.3741889	21	—	—
337463 2001 RJ_{124}	16.2	X	239.17617	176.95781	165.71976	9.32375	0.1318310	0.18167787	3.0874602	21	4 8.3	21.0
337464 2001 RX_{125}	17.6	X	220.89998	285.85009	46.96649	3.60648	0.1783570	0.27750566	2.3278491	21	2 26.6	21.2
337465 2001 RR_{131}	16.1	X	258.65366	204.77966	125.93023	2.95315	0.1592093	0.18304921	3.0720208	21	4 9.9	20.8
337466 2001 RA_{140}	18.0	X	201.43295	299.58312	31.48843	3.56186	0.1958607	0.27446078	2.3450342	21	2 8.1	21.7
337467 2001 RQ_{140}	16.0	X	234.24434	21.67351	2.64953	9.95501	0.0775684	0.18567688	3.0429687	21	5 23.8	20.7
337468 2001 RP_{145}	18.1	X	210.94665	35.52759	294.79404	5.50674	0.2253757	0.27657118	2.3330897	21	2 12.6	22.1
337469 2001 RR_{150}	17.0	X	150.58245	270.65568	97.56047	8.23201	0.2917519	0.27186861	2.3599167	21	2 18.3	20.8
337470 2001 SF_{7}	16.0	X	191.44424	53.03671	347.66550	10.21733	0.0648191	0.18330476	3.0691649	21	4 26.6	20.7
337471 2001 SZ_{12}	17.1	X	208.07062	340.11104	358.56034	6.00180	0.1937145	0.27619346	2.3352164	21	2 22.7	20.9
337472 2001 SS_{18}	16.9	X	137.91892	8.55219	10.96715	5.00509	0.1412410	0.26985803	2.3716239	21	2 2.0	20.0
337473 2001 SH_{19}	17.8	X	119.29772	214.28379	176.86357	1.08295	0.1841768	0.26865179	2.3787176	21	1 29.3	20.6
337474 2001 SC_{25}	17.8	X	185.15961	169.04267	177.96053	1.13160	0.2069735	0.27317453	2.3523896	21	2 12.6	21.6
337475 2001 SF_{25}	15.7	X	184.65639	92.52575	4.09429	5.28286	0.2391125	0.18343361	3.0677275	21	7 1.5	21.1
337476 2001 ST_{28}	17.6	X	203.82232	306.64336	23.16376	2.29948	0.1565200	0.27357636	2.3500856	21	2 7.0	21.1
337477 2001 ST_{34}	16.6	X	110.01824	4.72139	12.33991	12.18577	0.2377705	0.26490929	2.4010687	21	1 9.6	19.6
337478 2001 SY_{36}	16.0	X	244.24601	159.16563	188.96905	17.33611	0.2119265	0.18173290	3.0868369	21	4 12.7	21.1
337479 2001 ST_{40}	17.1	X	113.15386	230.11130	156.13966	5.21938	0.2347586	0.26578678	2.3957811	21	1 22.5	19.9
337480 2001 SN_{59}	15.9	X	232.08049	188.42542	201.29110	13.19449	0.2606052	0.18254578	3.0776662	21	5 18.9	21.2
337481 2001 SG_{60}	15.3	X	258.88073	351.46970	349.03682	13.37073	0.1454780	0.18282814	3.0744966	21	4 16.9	20.1
337482 2001 ST_{76}	17.7	X	167.57911	354.27447	329.85728	1.95946	0.1620778	0.26863169	2.3788363	21	—	—
337483 2001 SA_{77}	16.8	X	189.05816	95.93271	253.56980	4.59503	0.0982483	0.27366627	2.3495708	21	2 11.7	20.2
337484 2001 SH_{80}	16.0	X	280.94417	157.40641	180.40308	10.77393	0.1126120	0.18876092	3.0097331	21	5 19.8	20.4
337485 2001 SB_{83}	17.6	X	181.45548	182.63159	177.64214	6.39332	0.2074127	0.27512799	2.3412414	21	2 24.8	21.5
337486 2001 SL_{85}	16.0	X	297.59239	319.66075	340.14888	15.59841	0.1241506	0.18544939	3.0454568	21	4 11.8	20.5
337487 2001 SR_{86}	15.9	X	249.15899	195.45568	175.07576	11.07484	0.1150512	0.18742738	3.0239924	21	5 23.9	20.6
337488 2001 SW_{87}	15.5	X	204.01108	39.49983	330.12026	22.04363	0.0444517	0.18203266	3.0834472	21	3 26.7	20.5
337489 2001 SC_{88}	15.4	X	149.48126	26.30831	351.61931	10.23351	0.1132524	0.17255064	3.1953983	21	2 24.5	20.3
337490 2001 SQ_{95}	15.5	X	169.12708	103.10035	342.24360	16.62562	0.2459540	0.18062512	3.0994451	21	6 3.6	21.2
337491 2001 SC_{96}	15.8	X	217.63502	188.16504	178.78535	9.47237	0.0962655	0.18123145	3.0925282	21	4 17.9	20.5
337492 2001 SL_{98}	16.9	X	155.26583	113.85450	218.31860	5.82606	0.2167334	0.26782778	2.3835941	21	—	—
337493 2001 SY_{99}	16.8	X	79.37061	100.26829	343.95899	8.81787	0.1561843	0.26935900	2.3745522	21	2 7.6	19.0
337494 2001 SH_{100}	17.8	X	131.83692	192.76606	210.03130	3.57519	0.2062639	0.27129530	2.3632402	21	3 2.5	21.1
337495 2001 SV_{100}	16.5	X	235.67451	58.00609	310.97084	3.53274	0.1611952	0.18351846	3.0667818	21	4 30.9	21.4
337496 2001 SQ_{101}	15.7	X	265.14111	322.78511	358.59891	15.86152	0.1251619	0.18227248	3.0807419	21	4 4.4	20.5
337497 2001 SD_{103}	17.6	X	158.11509	337.18129	343.61767	4.89819	0.1357011	0.26652885	2.3913321	21	—	—
337498 2001 SF_{104}	16.0	X	280.40081	72.81865	269.23931	5.59286	0.2444457	0.18770071	3.0210560	21	5 3.3	20.6
337499 2001 SL_{117}	17.4	X	183.97840	84.94443	231.16982	4.57294	0.2369757	0.27131995	2.3630971	21	1 6.9	21.2
337500 2001 SC_{119}	15.6	X	208.20059	70.16178	318.69532	8.85272	0.0907689	0.18237651	3.0795702	21	4 29.7	20.5
337501 2001 SV_{122}	16.8	X	170.88739	46.19165	300.35175	5.99237	0.1725843	0.27249810	2.3562809	21	1 27.7	20.2
337502 2001 SD_{125}	15.8	X	213.57277	203.81553	180.98554	10.17784	0.1201581	0.18299013	3.0726820	21	5 4.8	20.7
337503 2001 SA_{129}	17.0	X	209.71462	334.37789	329.38366	3.91904	0.2095488	0.27281771	2.3544403	21	1 12.7	20.9
337504 2001 SN_{130}	18.0	X	121.91906	72.80556	334.96819	1.52572	0.1945967	0.27046657	2.3680652	21	2 25.3	20.8
337505 2001 SN_{131}	15.2	X	309.17716	264.64952	358.53180	25.76802	0.1913084	0.18145823	3.0899511	21	3 12.9	19.4
337506 2001 SE_{132}	15.9	X	212.63670	56.89755	0.21230	8.79771	0.1479960	0.18484689	3.0520709	21	6 7.9	20.9
337507 2001 SN_{132}	15.5	X	206.37833	32.73868	350.61829	9.37786	0.0831843	0.18080197	3.0974236	21	4 21.8	20.4
337508 2001 SB_{133}	16.9	X	126.70880	40.00632	344.09005	6.72883	0.1313008	0.26888392	2.3773484	21	1 23.5	19.9
337509 2001 SQ_{133}	16.0	X	155.67738	222.33854	188.52743	27.55532	0.1811178	0.17601383	3.1533453	21	4 14.2	21.2
337510 2001 SK_{136}	15.6	X	274.75786	320.08345	345.96863	8.69458	0.0611406	0.18025269	3.1037129	21	4 5.4	20.2
337511 2001 SU_{137}	15.7	X	233.28049	39.88626	4.72483	7.46134	0.1088627	0.18630955	3.0360760	21	6 16.6	20.4
337512 2001 SK_{139}	16.1	X	201.24664	195.25963	203.73675	4.12786	0.1363379	0.18087428	3.0965981	21	5 8.4	21.0
337513 2001 SK_{141}	16.3	X	183.51227	39.90588	351.89600	0.77624	0.2231649	0.17722160	3.1390022	21	4 14.5	21.8
337514 2001 SL_{141}	17.8	X	150.01095	353.91266	1.57400	1.13122	0.2006017	0.26854970	2.3793205	21	1 22.1	21.2
337515 2001 SY_{146}	18.3	X	137.22445	151.92999	198.68617	2.11280	0.1883150	0.26661159	2.3908373	21	—	—
337516 2001 SE_{150}	16.7	X	121.63492	47.18589	344.69090	7.29135	0.1263319	0.26848484	2.3797036	21	1 26.7	19.6
337517 2001 SG_{151}	17.6	X	31.50628	192.13169	188.73918	21.93708	0.0792726	0.35459097	1.9768980	21	—	—
337518 2001 ST_{151}	15.5	X	203.02119	4.53405	8.01212	17.72265	0.2018035	0.17818056	3.1277293	21	4 5.5	20.9
337519 2001 SD_{158}	16.3	X	199.81121	75.05966	351.55724	14.13719	0.3319280	0.18130792	3.0916587	21	6 2.5	22.3
337520 2001 SL_{158}	15.7	X	141.52015	213.54007	190.82711	27.46885	0.1972633	0.17295727	3.1903880	21	3 24.6	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
337521 2001 SY_{158}	17.3	X	174.18135	139.36600	225.33821	5.66543	0.1938060	0.27287592	2.3541054	21	2 21.8	21.1
337522 2001 SQ_{160}	15.8	X	242.82386	153.12886	209.24761	11.29771	0.1589840	0.18262364	3.0767914	21	5 1.9	20.6
337523 2001 SF_{167}	17.6	X	129.32681	214.88458	171.34413	0.96349	0.1794985	0.26973173	2.3723642	21	2 3.7	20.7
337524 2001 SO_{167}	17.3	X	116.68536	11.43210	34.27948	1.65444	0.1836772	0.26885854	2.3774980	21	2 15.3	20.1
337525 2001 SH_{171}	16.8	X	114.32285	88.54133	312.93200	5.35587	0.1075120	0.26979954	2.3719666	21	1 24.6	19.6
337526 2001 SM_{171}	17.1	X	180.84850	353.48887	0.75611	7.89522	0.1845822	0.27339594	2.3511193	21	2 18.9	20.8
337527 2001 SZ_{176}	15.4	X	236.85765	175.28588	186.59446	17.86586	0.2160591	0.18022305	3.1040533	21	4 23.3	20.6
337528 2001 SB_{178}	16.5	X	277.51922	319.03451	17.60936	0.41905	0.2644111	0.18594590	3.0400331	21	4 22.8	21.2
337529 2001 SY_{182}	17.6	X	144.54139	26.69235	0.75650	2.12197	0.2186444	0.27272393	2.3549800	21	2 27.3	20.9
337530 2001 SV_{194}	15.5	X	233.16742	340.68079	3.08963	8.90719	0.0348857	0.18051672	3.1006859	21	4 7.3	19.9
337531 2001 SK_{206}	17.6	X	101.63908	52.90064	4.72334	2.63727	0.1841330	0.26887045	2.3774278	21	2 10.3	20.1
337532 2001 SA_{210}	17.4	X	186.84583	254.56796	56.29944	1.96601	0.1918230	0.27005703	2.3704587	21	1 1.0	21.1
337533 2001 SW_{212}	15.5	X	152.73396	58.92371	7.73136	22.87630	0.0786844	0.17867619	3.1219428	21	4 15.6	20.4
337534 2001 SV_{218}	17.4	X	111.24576	228.40695	167.46436	2.65091	0.2004199	0.26740262	2.3861200	21	1 27.1	20.0
337535 2001 SG_{222}	16.3	X	236.43235	281.27145	17.77289	10.48319	0.2402458	0.17569523	3.1571562	21	2 11.3	21.8
337536 2001 SE_{223}	17.0	X	270.97302	252.98824	6.54050	7.59533	0.2242915	0.27507895	2.3415197	21	1 9.2	20.9
337537 2001 SM_{226}	16.9	X	101.05986	24.13480	24.14166	6.57062	0.1718993	0.26695992	2.3887572	21	1 27.4	19.6
337538 2001 SJ_{227}	16.5	X	245.04251	182.74276	152.06434	1.46711	0.1978037	0.18068674	3.0987404	21	3 29.2	21.4
337539 2001 SN_{227}	17.3	X	124.58730	199.30650	193.62730	1.29448	0.1675607	0.26857180	2.3791899	21	2 4.9	20.4
337540 2001 SS_{227}	17.2	X	234.28844	286.99876	12.81952	7.47819	0.1223002	0.27341264	2.3510236	21	1 31.4	20.8
337541 2001 SW_{231}	17.4	X	111.62823	272.25999	123.36509	3.84689	0.1901757	0.26723643	2.3871092	21	1 26.4	19.9
337542 2001 SB_{233}	17.5	X	134.25798	244.43816	144.36759	2.69948	0.1797767	0.26909016	2.3761335	21	2 13.3	20.7
337543 2001 SS_{234}	17.5	X	158.25161	312.86374	35.40860	1.99257	0.2022363	0.26851664	2.3795157	21	1 21.8	21.0
337544 2001 SD_{239}	16.6	X	209.07570	158.28307	176.88783	7.91107	0.1922974	0.17573031	3.1567360	21	2 27.7	21.9
337545 2001 SK_{243}	17.4	X	119.41641	179.28890	170.90127	2.51959	0.2290303	0.26344690	2.4099461	21	—	—
337546 2001 SB_{250}	17.1	X	194.02487	299.20101	41.19050	6.02621	0.1201369	0.27174161	2.3606519	21	2 11.4	20.6
337547 2001 SJ_{250}	15.5	X	294.16009	237.30691	36.33651	16.55534	0.1240828	0.17678555	3.1441617	21	3 21.6	20.1
337548 2001 SU_{254}	17.2	X	359.96323	5.27747	29.69194	21.76866	0.1061626	0.35048352	1.9923134	21	—	—
337549 2001 SL_{256}	17.3	X	121.02958	173.33451	168.86378	1.26948	0.1922217	0.26235053	2.4166556	21	—	—
337550 2001 SX_{258}	16.0	X	185.41877	221.33561	192.08194	12.04948	0.1579303	0.18121242	3.0927447	21	5 12.5	21.1
337551 2001 SM_{259}	17.6	X	125.55846	298.80690	105.40070	3.19015	0.2073393	0.27086528	2.3657408	21	2 28.0	20.6
337552 2001 SB_{260}	16.3	X	215.37068	111.86703	251.10781	4.21158	0.1550246	0.18043381	3.1016356	21	4 5.7	21.5
337553 2001 SO_{260}	16.7	X	253.29577	155.04989	185.84845	3.69105	0.2512066	0.18314814	3.0709144	21	4 8.0	21.7
337554 2001 SG_{261}	18.1	X	128.85621	21.25575	349.83916	2.40144	0.1815160	0.26645805	2.3917557	21	1 16.0	21.0
337555 2001 SM_{261}	17.5	X	164.75781	100.88396	207.02791	5.91866	0.3210163	0.26691749	2.3890103	21	—	—
337556 2001 SX_{261}	16.2	X	213.37450	187.21224	185.77977	4.82616	0.1479550	0.18088642	3.0964596	21	4 18.3	21.1
337557 2001 SF_{262}	18.4	X	347.69306	10.00949	347.27987	43.34524	0.2340043	0.44803233	1.6914655	21	—	—
337558 2001 SG_{262}	19.3	X	45.12979	100.28670	359.04263	4.82038	0.5828987	0.35877326	1.9615046	21	—	—
337559 2001 SE_{264}	16.8	X	349.24678	143.37217	294.63054	16.95134	0.1020275	0.35593035	1.9719355	21	—	—
337560 2001 SU_{264}	15.8	X	222.85953	287.35420	96.45826	2.55156	0.1960683	0.18152892	3.0891489	21	5 7.4	20.8
337561 2001 SJ_{266}	16.7	X	176.77053	336.49327	20.33307	5.68946	0.2174816	0.27143943	2.3624036	21	2 20.7	20.5
337562 2001 SQ_{271}	17.3	X	214.55678	298.23468	10.97579	4.96084	0.2546287	0.27326911	2.3518467	21	1 24.6	21.5
337563 2001 SD_{274}	16.0	X	278.50696	284.77772	6.50699	8.62361	0.0374068	0.17872773	3.1213425	21	3 28.7	20.3
337564 2001 SE_{285}	16.4	X	206.93248	26.37614	357.01762	1.99733	0.1691822	0.17898598	3.1183393	21	4 23.2	21.6
337565 2001 SN_{288}	17.4	X	116.99880	130.22260	266.28392	5.41860	0.1140945	0.26837448	2.3803560	21	1 21.6	20.3
337566 2001 SQ_{288}	17.1	X	146.94400	42.77811	317.15834	6.04275	0.1598458	0.26854096	2.3793721	21	1 19.8	20.3
337567 2001 SK_{291}	15.3	X	252.22100	92.06177	272.80767	14.00636	0.2762630	0.18539954	3.0460027	21	4 29.6	20.6
337568 2001 SC_{296}	15.8	X	174.70079	66.47564	334.06787	8.56608	0.1378450	0.17928762	3.1148408	21	4 11.9	20.9
337569 2001 SG_{296}	17.8	X	238.77978	320.29093	330.60393	6.16519	0.1638945	0.27551313	2.3390590	21	1 21.7	21.5
337570 2001 SA_{298}	16.1	X	294.17918	306.77676	345.51829	10.82543	0.0761473	0.18280278	3.0747810	21	4 8.6	20.5
337571 2001 SP_{304}	17.8	X	146.60304	94.48298	236.28677	0.76380	0.2025055	0.26603767	2.3942746	21	—	—
337572 2001 SW_{315}	16.3	X	215.11598	46.31230	350.37094	11.50800	0.3935352	0.17981883	3.1087032	21	5 5.3	22.5
337573 2001 SW_{316}	17.1	X	113.52828	76.90467	330.92411	5.98146	0.1163544	0.26983286	2.3717714	21	2 3.1	19.9
337574 2001 SB_{317}	17.3	X	137.46963	102.46684	263.30849	7.96633	0.2629778	0.26836317	2.3804228	21	1 26.9	20.7
337575 2001 SC_{317}	15.8	X	247.58812	147.65305	217.73425	16.48443	0.1652405	0.18464691	3.0542741	21	5 9.5	20.5
337576 2001 SQ_{317}	16.0	X	224.99525	298.68925	18.21630	16.18826	0.2312062	0.17581991	3.1556634	21	2 25.9	21.6
337577 2001 SL_{319}	15.9	X	216.42806	236.96872	178.66931	9.45484	0.1203586	0.18515232	3.0487135	21	6 13.0	20.8
337578 2001 SH_{321}	15.9	X	227.63317	127.68820	247.02354	8.97810	0.2181885	0.18312294	3.0711961	21	4 27.2	21.1
337579 2001 SO_{321}	15.8	X	200.31552	132.75014	246.96155	8.43625	0.1366151	0.17964688	3.1106866	21	4 11.6	20.9
337580 2001 SU_{325}	15.8	X	251.25444	34.52026	298.00724	12.11766	0.2654039	0.18298941	3.0726900	21	3 20.1	21.2
337581 2001 SK_{329}	15.8	X	273.17014	273.02965	345.48494	13.87524	0.2010446	0.17766954	3.1337239	21	1 28.4	20.9
337582 2001 SK_{332}	17.2	X	124.86695	323.03122	28.86117	6.69102	0.1652787	0.26601896	2.3943869	21	—	—
337583 2001 SU_{332}	17.6	X	112.29107	41.22856	42.14151	3.05536	0.1593200	0.27311696	2.3527201	21	3 28.5	20.4
337584 2001 SM_{338}	17.0	X	263.90231	297.58791	345.51906	6.35346	0.1034715	0.27543417	2.3395060	21	2 9.3	20.2
337585 2001 SW_{338}	18.0	X	180.40522	162.42923	167.72619	1.45888	0.1995113	0.27033029	2.3688610	21	1 18.9	21.6
337586 2001 ST_{341}	15.3	X	181.63483	1.65281	13.23966	30.17112	0.2604997	0.17403466	3.1772072	21	3 28.9	20.9
337587 2001 SF_{342}	16.7	X	218.77325	320.53988	30.29611	0.92783	0.1902899	0.17915891	3.1163324	21	3 26.2	22.0
337588 2001 SH_{342}	16.5	X	193.38027	247.15656	178.12811	4.83582	0.1585335	0.18241043	3.0791884	21	6 1.9	21.6
337589 2001 SS_{342}	17.4	X	128.84300	301.14067	81.60650	7.06580	0.3076724	0.26779414	2.3837937	21	2 18.9	20.9
337590 2001 SQ_{347}	17.5	X	201.33489	338.35547	322.59892	6.85936	0.1586174	0.26951976	2.3736079	21	—	—
337591 2001 SO_{349}	17.5	X	152.79651	272.33869	77.66249	3.58939	0.2131736	0.26875281	2.3781215	21	1 19.7	20.9
337592 2001 SD_{350}	17.9	X	144.50912	77.95751	322.88325	3.47875	0.1875252	0.27204429	2.3589006	21	3 11.7	21.3
337593 2001 SB_{353}	16.0	X	211.54543	55.23771	12.58295	10.72705	0.1130566	0.18525525	3.0475841	21	6 22.9	20.9
337594 2001 SR_{353}	16.6	X	176.77746	38.50432	280.16874	8.20658	0.2261107	0.26705965	2.3881625	21	1 4.3	20.4
337595 2001 SL_{355}	17.2	X	176.95063	273.00905	54.11438	6.44534	0.2485229	0.27019110	2.3696745	21	1 17.1	21.1
337596 2001 SQ_{355}	16.9	X	135.15489	237.57680	133.91222	7.90166	0.1303817	0.26771022	2.3842919	21	1 15.8	20.1
337597 2001 SY_{355}	15.7	X	168.47699	232.96199	184.07630	26.80934	0.1172583	0.17813590	3.1282521	21	5 1.0	20.9
337598 2001 TB_{1}	16.6	X	177.41482	2.49103	43.28003	8.03694	0.1118151	0.27899292	2.3195688	21	4 17.1	19.8
337599 2001 TJ_{1}	15.9	X	225.35484	138.87754	204.90127	9.52402	0.1329983	0.17571920	3.1568691	21	3 24.6	21.0
337600 2001 TK_{3}	17.8	X	155.03829	178.33423	193.55271	0.66566	0.2051188	0.27024716	2.3693468	21	2 16.3	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
337601 2001 TL_3	17.5	X	198.90771	296.00003	42.04729	2.92642	0.2390696	0.27354693	2.3502541	21	2 15.6	21.4
337602 2001 TR_4	16.0	X	227.44377	146.71864	195.99278	13.94271	0.2043520	0.17933294	3.1143160	21	3 21.9	21.3
337603 2001 TB_5	16.7	X	39.36417	93.19273	5.14288	10.36236	0.1862154	0.26414929	2.4056720	21	—	—
337604 2001 TJ_5	17.2	X	144.46849	311.19275	42.12262	7.94185	0.1420219	0.26873336	2.3782362	21	1 6.2	20.4
337605 2001 TP_{10}	17.2	X	139.16585	5.81073	21.25589	4.95535	0.1851059	0.26932233	2.3747677	21	2 19.3	20.5
337606 2001 TH_{12}	15.5	X	197.24349	25.53374	29.08818	9.84640	0.1029272	0.18008919	3.1055912	21	5 21.8	20.4
337607 2001 TB_{13}	16.9	X	100.14749	279.35441	172.65203	23.16060	0.3667371	0.26753694	2.3853213	21	4 28.0	20.6
337608 2001 TB_{14}	15.8	X	240.96427	345.20230	48.13887	11.16129	0.2114763	0.18508276	3.0494773	21	5 31.6	20.8
337609 2001 TG_{14}	15.2	X	242.47453	128.38041	256.09471	10.61789	0.2942118	0.18494161	3.0510287	21	5 16.5	20.4
337610 2001 TC_{16}	15.7	X	215.59500	280.00014	130.48851	10.96819	0.1227481	0.18332397	3.0689505	21	6 6.9	20.6
337611 2001 TK_{24}	17.4	X	104.76667	79.13345	204.92977	21.22646	0.0607808	0.35205703	1.9863726	21	12 20.6	20.3
337612 2001 TV_{45}	15.8	X	209.87027	138.61738	233.73235	26.58595	0.2064047	0.18006700	3.1058463	21	4 8.9	21.3
337613 2001 TG_{47}	17.0	X	150.53192	251.37478	81.73323	7.28774	0.2113908	0.26590847	2.3950501	21	—	—
337614 2001 TY_{47}	17.4	X	133.79284	218.20850	144.34414	7.85405	0.1502793	0.26577828	2.3958322	21	1 5.7	20.6
337615 2001 TQ_{48}	16.0	X	195.73131	38.68728	346.83982	4.25292	0.2083643	0.17737644	3.1371751	21	4 15.4	21.5
337616 2001 TU_{48}	16.6	X	88.33000	257.42578	216.43854	24.85997	0.1775670	0.27132679	2.3630574	21	4 5.8	19.5
337617 2001 TT_{50}	15.6	X	166.20811	54.40497	18.47129	16.41504	0.2314981	0.17820367	3.1274590	21	5 15.2	21.2
337618 2001 TU_{51}	17.5	X	121.70510	271.71734	134.54828	1.34857	0.2062748	0.26896271	2.3768841	21	2 25.2	20.3
337619 2001 TK_{57}	15.7	X	229.46967	159.81929	205.71472	9.80879	0.1339754	0.18071907	3.0983708	21	4 24.7	20.6
337620 2001 TP_{59}	15.9	X	253.71646	289.82528	26.74033	14.89784	0.2384740	0.17965416	3.1106026	21	3 17.3	21.2
337621 2001 TR_{72}	15.8	X	215.97598	327.25606	71.43078	3.29145	0.2525118	0.18074514	3.0980728	21	5 16.7	21.0
337622 2001 TZ_{80}	15.7	X	186.72256	60.72730	346.42280	14.79965	0.1357884	0.18003326	3.1062343	21	4 28.1	20.9
337623 2001 TH_{81}	18.0	X	147.18791	65.42989	325.02115	4.37142	0.2083928	0.27183956	2.3600848	21	3 3.5	21.5
337624 2001 TC_{82}	16.9	X	139.16002	92.18556	268.88870	5.03396	0.1589105	0.26768128	2.3844637	21	1 11.1	20.0
337625 2001 TJ_{82}	15.8	X	250.06841	91.40240	231.69015	9.52671	0.1594494	0.17982213	3.1086653	21	3 19.2	20.8
337626 2001 TP_{83}	17.4	X	160.57256	14.38297	4.97479	8.47007	0.1597053	0.27239399	2.3568812	21	3 1.2	20.8
337627 2001 TH_{85}	15.8	X	176.80533	205.01519	211.95623	11.01211	0.0844062	0.17797243	3.1301674	21	5 6.4	20.5
337628 2001 TG_{88}	16.8	X	164.27902	151.57759	229.94714	5.74110	0.1214103	0.27292200	2.3538404	21	2 27.3	20.2
337629 2001 TJ_{91}	16.9	X	210.20689	325.70654	355.84844	5.35630	0.1564217	0.27270633	2.3550813	21	2 3.5	20.6
337630 2001 TR_{93}	16.0	X	239.28235	125.19961	230.14441	6.52016	0.2750508	0.18199272	3.0838982	21	4 10.8	21.4
337631 2001 TW_{93}	17.7	X	185.30727	124.15390	223.02935	7.04930	0.2204330	0.27241123	2.3567818	21	2 11.2	21.7
337632 2001 TG_{96}	16.6	X	108.05302	222.60605	216.88737	8.15406	0.1657686	0.27043551	2.3682465	21	3 14.9	19.6
337633 2001 TK_{98}	17.5	X	152.18850	191.04062	143.38900	1.74516	0.1901998	0.26641207	2.3920309	21	—	—
337634 2001 TX_{98}	17.1	X	60.66844	116.00172	327.18010	3.73066	0.1818378	0.26499137	2.4005729	21	—	—
337635 2001 TO_{104}	17.4	X	148.52633	166.03363	209.74531	2.03662	0.2029335	0.26980351	2.3719434	21	2 14.0	20.9
337636 2001 TG_{109}	17.0	X	168.66956	33.73885	348.17421	6.36209	0.2137305	0.27275231	2.3548166	21	3 13.7	20.8
337637 2001 TW_{109}	15.7	X	226.98215	353.49899	1.03334	5.39027	0.2902321	0.17987772	3.1080247	21	4 1.3	21.2
337638 2001 TL_{111}	13.1	X	273.96858	326.62522	30.48198	24.23916	0.1383878	0.08345540	5.1860067	21	5 28.2	20.2
337639 2001 TU_{112}	18.1	X	110.04893	87.59148	318.04036	1.40320	0.2092447	0.26732189	2.3866003	21	2 9.7	20.8
337640 2001 TJ_{115}	14.9	X	215.64707	162.82485	233.42462	15.73016	0.2393323	0.17954456	3.1118683	21	5 13.9	20.3
337641 2001 TY_{117}	16.3	X	185.24568	63.11831	236.52234	22.09808	0.2274389	0.26829200	2.3808438	21	—	—
337642 2001 TL_{119}	15.1	X	233.16092	5.45220	334.92982	16.94851	0.2407342	0.17942633	3.1132352	21	3 18.3	20.5
337643 2001 TT_{120}	15.8	X	216.12428	52.81076	317.11961	11.39161	0.1686539	0.17854637	3.1234558	21	4 10.2	21.1
337644 2001 TM_{122}	15.1	X	229.22517	130.72446	252.23796	13.90671	0.2048298	0.18051428	3.1007137	21	5 9.6	20.3
337645 2001 TO_{124}	15.5	X	206.69125	110.53809	264.84390	9.03429	0.1306881	0.17886389	3.1197582	21	4 11.4	20.6
337646 2001 TX_{124}	15.3	X	172.62046	162.24443	289.99311	8.30454	0.1422087	0.18137922	3.0908484	21	6 15.1	20.2
337647 2001 TG_{125}	17.2	X	151.31685	132.27589	246.85312	6.47239	0.2026275	0.27050982	2.3678128	21	2 18.6	20.8
337648 2001 TW_{129}	16.7	X	233.72545	343.61247	35.96793	1.06428	0.1424132	0.18295333	3.0730940	21	5 14.6	21.6
337649 2001 TX_{129}	17.5	X	174.91877	166.55617	195.94720	7.01437	0.1337776	0.27234681	2.3571534	21	2 15.9	21.0
337650 2001 TJ_{131}	17.2	X	139.82084	297.25464	86.11800	6.32658	0.2527578	0.26898035	2.3767801	21	2 23.9	20.8
337651 2001 TN_{132}	15.0	X	227.29996	116.05417	240.30300	14.70042	0.2139835	0.18042947	3.1016853	21	4 3.4	20.5
337652 2001 TA_{133}	15.6	X	219.60689	140.38588	231.77997	10.55361	0.1001081	0.18032409	3.1028936	21	4 23.4	20.5
337653 2001 TA_{137}	17.2	X	132.95108	232.89995	115.55764	8.41631	0.2686961	0.26628176	2.3928112	21	1 3.4	20.4
337654 2001 TP_{138}	16.8	X	134.58580	6.25379	9.06411	26.77369	0.1654195	0.27020361	2.3696013	21	2 8.3	20.6
337655 2001 TW_{141}	17.3	X	105.80504	348.46208	79.90296	4.10361	0.1712804	0.26984135	2.3717216	21	3 2.5	20.1
337656 2001 TC_{144}	17.2	X	127.78361	299.52412	99.96403	5.42977	0.1492140	0.26980997	2.3719055	21	2 16.9	20.2
337657 2001 TY_{149}	15.5	X	179.29827	354.90053	56.41961	10.36182	0.2141535	0.17731851	3.1378584	21	5 5.2	20.9
337658 2001 TS_{153}	16.6	X	171.24155	60.66884	259.27129	8.40844	0.2822491	0.26879713	2.3778601	21	1 4.6	20.6
337659 2001 TA_{159}	16.2	X	242.12256	334.36654	18.79118	3.62094	0.3756835	0.18369504	3.0648161	21	4 6.2	21.7
337660 2001 TH_{159}	17.7	X	131.15505	332.15586	29.06908	1.64821	0.2045728	0.26586558	2.3953077	21	1 9.2	20.7
337661 2001 TV_{162}	17.5	X	120.57949	66.08661	344.18403	1.95643	0.2038629	0.26962885	2.3729676	21	2 28.5	20.5
337662 2001 TP_{170}	15.5	X	207.64727	28.88578	345.51430	11.32871	0.0830501	0.17806091	3.1291303	21	4 11.6	20.4
337663 2001 TY_{172}	17.7	X	128.26650	221.36900	183.61186	2.78848	0.1274852	0.27020921	2.3695686	21	2 19.1	20.7
337664 2001 TO_{173}	17.6	X	106.67910	8.00111	40.70493	4.23980	0.0864951	0.26778057	2.3838742	21	1 21.6	20.4
337665 2001 TN_{176}	16.5	X	199.99714	20.45893	10.76503	2.15503	0.1513169	0.17858630	3.1229902	21	4 26.9	21.4
337666 2001 TJ_{177}	15.8	X	250.11602	135.43309	242.10471	8.07738	0.1528548	0.18464343	3.0543125	21	5 27.8	20.3
337667 2001 TG_{178}	15.8	X	241.21997	146.36058	221.71803	10.89849	0.1396764	0.18223893	3.0811200	21	5 8.7	20.5
337668 2001 TR_{178}	17.2	X	135.15431	342.50931	344.71280	3.49716	0.1012669	0.26197089	2.4189897	21	—	—
337669 2001 TJ_{181}	15.6	X	298.37475	278.01696	12.18541	8.67610	0.1487967	0.18004104	3.1061449	21	4 4.7	20.0
337670 2001 TC_{182}	17.3	X	143.28069	40.93697	311.66658	1.47359	0.1959133	0.26634624	2.3924250	21	1 10.8	20.5
337671 2001 TA_{183}	15.5	X	187.31257	354.56397	8.51557	11.66898	0.2484326	0.17416733	3.1755936	21	3 17.8	21.0
337672 2001 TL_{183}	16.8	X	229.57280	261.96648	10.02626	7.73129	0.1105745	0.26874004	2.3781968	21	—	—
337673 2001 TD_{184}	15.9	X	245.91359	164.81829	214.65678	8.99172	0.0946114	0.18447195	3.0562050	21	6 1.4	20.5
337674 2001 TU_{185}	16.4	X	166.62869	308.58039	12.10417	11.82817	0.1721031	0.26597600	2.3946447	21	—	—
337675 2001 TO_{188}	16.1	X	157.45632	53.35592	31.07629	14.02510	0.2871642	0.17528615	3.1620663	21	5 26.1	21.8
337676 2001 TC_{189}	15.1	X	220.92621	130.75200	244.26445	8.43119	0.1703008	0.17844122	3.1246827	21	4 24.5	20.3
337677 2001 TJ_{200}	16.2	X	187.48065	58.47259	43.99085	13.06332	0.3773412	0.18158012	3.0885681	21	7 9.7	22.3
337678 2001 TA_{203}	15.3	X	235.76652	342.67995	45.26322	14.21390	0.2433854	0.18479636	3.0526273	21	5 18.1	20.4
337679 2001 TR_{203}	16.5	X	200.27172	258.05229	21.98597	22.34310	0.2169583	0.26894482	2.3769895	21	—	—
337680 2001 TR_{209}	16.6	X	211.04952	52.64161	13.24697	2.87880	0.1161431	0.18457203	3.0551002	21	6 19.9	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
337681 2001 TC_{215}	15.4	X	258.06821	344.24860	348.93913	12.33656	0.1133810	0.17948785	3.1125238	21	4 11.7	20.2
337682 2001 TE_{218}	16.6	X	202.94867	41.34789	354.02349	1.02701	0.1800954	0.18068915	3.0987129	21	5 3.9	21.8
337683 2001 TX_{218}	17.1	X	119.48525	323.12080	89.42880	6.11752	0.1979078	0.26891583	2.3771603	21	3 4.5	20.2
337684 2001 TL_{221}	15.7	X	289.64413	304.30400	8.21652	11.23440	0.1329269	0.18203785	3.0833886	21	4 21.3	20.1
337685 2001 TR_{222}	15.9	X	255.46423	107.11972	234.74177	8.16498	0.1056877	0.18149195	3.0895684	21	4 23.5	20.6
337686 2001 TE_{232}	17.5	X	38.68627	38.06708	339.60100	18.68514	0.0917429	0.35638365	1.9702630	21	—	—
337687 2001 TD_{235}	17.0	X	151.18513	206.50285	115.24516	6.99256	0.2187281	0.26468216	2.4024421	21	—	—
337688 2001 TQ_{240}	16.0	X	188.95915	162.68162	228.06695	12.47027	0.1172445	0.17620316	3.1510860	21	4 15.3	21.1
337689 2001 TZ_{245}	16.6	X	217.64946	355.89935	9.13814	10.78260	0.0613521	0.18021931	3.1040962	21	4 13.9	21.3
337690 2001 TZ_{247}	17.9	X	74.19648	329.31824	127.20821	1.84077	0.1605740	0.26944639	2.3740388	21	2 14.8	20.2
337691 2001 TP_{249}	15.8	X	211.15836	0.88997	29.77232	8.82611	0.1620044	0.18138598	3.0907716	21	5 5.1	21.0
337692 2001 TO_{250}	16.7	X	270.91219	219.81013	143.59323	3.06609	0.1315845	0.18673429	3.0314704	21	6 5.2	21.0
337693 2001 TC_{251}	16.1	X	191.81283	23.69762	33.06870	10.80701	0.0341838	0.18222689	3.0812557	21	5 19.4	20.6
337694 2001 TL_{252}	15.8	X	307.22151	102.49251	184.89088	16.93100	0.0876288	0.18167908	3.0874465	21	4 23.9	20.1
337695 2001 TM_{253}	15.5	X	117.86716	98.45129	50.56416	10.45703	0.0418578	0.18397646	3.0616900	21	6 18.9	19.9
337696 2001 TW_{254}	15.6	X	176.83732	359.73317	55.64745	10.65379	0.0515801	0.17912317	3.1167469	21	5 3.9	20.3
337697 2001 TK_{255}	16.0	X	128.78073	34.32341	63.81026	10.62043	0.1088534	0.17674306	3.1446655	21	5 8.9	20.6
337698 2001 TT_{257}	18.1	X	130.35786	85.27785	335.87306	0.82484	0.1719657	0.27165856	2.3611330	21	3 21.6	21.2
337699 2001 TY_{257}	15.6	X	199.90013	295.60759	55.14793	27.78170	0.2232391	0.17403611	3.1771896	21	3 27.4	21.5
337700 2001 TQ_{258}	18.1	X	139.09939	253.85119	146.84266	3.96147	0.1843063	0.27131678	2.3631155	21	3 7.1	21.2
337701 2001 TT_{259}	16.5	X	255.00152	137.83864	194.81207	2.10242	0.2073459	0.18120502	3.0928290	21	4 3.2	21.5
337702 2001 TZ_{259}	17.2	X	54.87245	250.94246	166.22569	5.98481	0.0716760	0.26097882	2.4251161	21	—	—
337703 2001 UP_{3}	16.0	X	203.34850	339.17039	98.56752	4.57936	0.1995605	0.18260727	3.0769753	21	6 23.9	21.2
337704 2001 UJ_{6}	15.5	X	178.43302	346.41416	59.20563	17.65988	0.2400626	0.17498288	3.1657189	21	4 30.9	21.1
337705 2001 UW_{7}	17.6	X	160.26973	25.06067	347.41902	1.69741	0.1830836	0.27119862	2.3638019	21	2 20.4	21.1
337706 2001 UE_{8}	15.7	X	205.57336	157.00031	204.19192	16.75332	0.2184210	0.17672035	3.1449350	21	3 25.4	21.3
337707 2001 UO_{8}	15.5	X	233.29793	318.93309	45.33369	7.79585	0.1752733	0.18045567	3.1013851	21	4 24.5	20.6
337708 2001 UV_{9}	14.5	X	241.87754	105.46902	251.05082	14.23707	0.2968797	0.17946855	3.1127470	21	4 10.3	20.1
337709 2001 UV_{12}	17.1	X	71.64391	329.40207	93.43214	3.59461	0.2135065	0.26160624	2.4212371	21	—	—
337710 2001 UB_{20}	15.5	X	235.85083	320.58697	35.22736	27.72089	0.1143784	0.18071960	3.0983647	21	4 21.9	20.3
337711 2001 UR_{22}	15.8	X	191.01774	174.04618	226.59819	9.14499	0.1854690	0.17939000	3.1136555	21	4 30.3	21.0
337712 2001 UC_{23}	15.6	X	178.32485	78.49579	344.21302	14.62935	0.2309568	0.17856238	3.1232691	21	5 11.7	21.3
337713 2001 UO_{25}	16.7	X	174.90230	105.15004	230.83692	11.08794	0.2708927	0.27020599	2.3695874	21	1 22.9	20.9
337714 2001 UN_{28}	17.0	X	88.65729	349.17156	71.19189	3.20597	0.1392097	0.26615663	2.3935611	21	1 17.2	19.3
337715 2001 UJ_{33}	16.4	X	116.79252	342.78272	45.51912	25.29402	0.1845679	0.26583838	2.3954711	21	2 1.0	20.0
337716 2001 UH_{38}	17.2	X	95.58274	202.08831	198.86532	12.47935	0.1110967	0.26504897	2.4002251	21	—	—
337717 2001 UK_{38}	16.1	X	169.68822	236.93287	162.15552	0.79770	0.1826106	0.17540271	3.1606653	21	4 11.5	21.3
337718 2001 UJ_{40}	17.2	X	148.10155	254.30741	132.11051	1.95146	0.1914470	0.27034148	2.3687956	21	2 26.9	20.5
337719 2001 UQ_{40}	17.1	X	133.94556	354.54007	34.99089	7.83361	0.0809808	0.26858444	2.3791153	21	2 3.2	20.2
337720 2001 UU_{40}	17.3	X	95.55365	200.68316	196.64898	6.34305	0.1083670	0.26395406	2.4068581	21	—	—
337721 2001 UB_{44}	15.8	X	163.88640	27.20106	43.49100	17.26947	0.2066013	0.17643578	3.1483157	21	5 13.1	21.2
337722 2001 UB_{48}	15.3	X	202.42961	190.37268	220.90066	18.71707	0.1611728	0.17912084	3.1167740	21	5 23.7	20.5
337723 2001 UV_{52}	17.1	X	145.59730	153.16672	186.06422	5.06976	0.2167909	0.26477244	2.4018960	21	—	—
337724 2001 UK_{54}	16.7	X	69.51980	174.65693	275.69110	8.66660	0.2568618	0.26585160	2.3953917	21	2 7.0	18.5
337725 2001 UQ_{56}	15.7	X	155.56557	180.59166	202.44061	10.46960	0.1049172	0.17217755	3.2000127	21	3 3.7	20.7
337726 2001 UA_{60}	17.2	X	150.72600	306.04806	30.12804	4.97608	0.1993192	0.26557118	2.3970776	21	—	—
337727 2001 UG_{60}	15.5	X	155.92332	236.28898	219.87519	7.16530	0.1886203	0.17753226	3.1353392	21	6 6.8	20.7
337728 2001 UF_{61}	17.5	X	89.16439	173.73041	222.57073	3.40979	0.0950621	0.26380906	2.4077399	21	—	—
337729 2001 UU_{61}	15.9	X	139.25631	67.09017	23.27647	8.98570	0.0465945	0.17782396	3.1319095	21	5 1.5	20.5
337730 2001 UH_{64}	16.7	X	48.37701	105.54581	4.98149	4.74164	0.0788452	0.26652267	2.3913691	21	1 14.9	19.3
337731 2001 UZ_{67}	16.4	X	195.33110	207.77562	196.60691	2.09242	0.2113493	0.17897684	3.1184455	21	5 8.7	21.6
337732 2001 UH_{68}	17.4	X	173.58172	307.49775	30.76892	12.09928	0.2280360	0.26962369	2.3729979	21	1 29.4	21.4
337733 2001 UJ_{68}	17.6	X	164.33275	327.91895	34.54219	2.67296	0.2346298	0.26999209	2.3708388	21	2 17.2	21.3
337734 2001 UJ_{70}	16.5	X	229.72505	356.27532	22.51477	1.45536	0.0874683	0.18142534	3.0903245	21	5 13.7	21.2
337735 2001 UH_{71}	17.6	X	185.83787	136.89605	214.61170	5.83129	0.1429249	0.27092800	2.3653756	21	2 13.6	21.3
337736 2001 UR_{72}	15.8	X	202.49693	271.30865	60.20265	25.15530	0.3268570	0.17386547	3.1792681	21	3 4.2	22.1
337737 2001 UR_{77}	15.8	X	216.42029	296.82602	44.25300	16.82480	0.0706494	0.17353831	3.1832627	21	3 24.7	20.8
337738 2001 UH_{78}	16.8	X	77.94302	34.54422	45.74121	5.96496	0.1860971	0.26641756	2.3919980	21	2 4.8	19.1
337739 2001 UF_{80}	17.4	X	188.35927	291.66661	40.00645	4.21789	0.2664076	0.27087976	2.3656565	21	2 1.6	21.5
337740 2001 UP_{83}	15.5	X	221.66261	358.45390	49.57116	17.36962	0.1806446	0.18100333	3.0951260	21	6 2.3	20.7
337741 2001 UR_{84}	16.2	X	245.84475	141.98394	218.91308	12.81972	0.2757202	0.18201455	3.0836517	21	4 23.1	21.5
337742 2001 UF_{87}	17.3	X	137.86378	345.15447	34.89507	3.96784	0.1371459	0.26721503	2.3872366	21	2 2.3	20.5
337743 2001 UX_{96}	17.5	X	155.65249	282.97634	89.04838	2.92577	0.1572776	0.26984121	2.3717225	21	2 13.6	20.9
337744 2001 UR_{97}	17.6	X	110.21126	191.64636	206.84877	2.90686	0.1799928	0.26587409	2.3952566	21	1 25.9	20.5
337745 2001 UM_{100}	17.7	X	95.96959	325.68035	89.72029	3.18014	0.1967211	0.26504887	2.4002257	21	2 1.1	20.2
337746 2001 UX_{100}	15.8	X	265.27620	280.95555	22.66990	13.60251	0.2469260	0.18033787	3.1027355	21	3 10.9	20.9
337747 2001 UQ_{101}	16.3	X	244.05929	258.31254	93.64655	2.16610	0.1772159	0.18172154	3.0869655	21	4 19.5	21.2
337748 2001 UY_{101}	17.5	X	173.36113	287.59442	32.92874	1.80497	0.1623644	0.26729258	2.3867748	21	—	—
337749 2001 UH_{102}	17.3	X	173.09370	244.91531	70.65241	3.25230	0.2302568	0.26765330	2.3846299	21	—	—
337750 2001 UT_{105}	17.9	X	135.48911	335.25821	75.61972	2.37302	0.1777969	0.27073351	2.3665083	21	3 16.3	21.2
337751 2001 UX_{106}	16.0	X	242.23819	159.06539	205.41295	2.05058	0.1912736	0.18110463	3.0939718	21	5 1.0	21.0
337752 2001 UH_{107}	17.8	X	156.47213	267.93661	105.50950	2.05706	0.2049326	0.26966940	2.3727297	21	2 20.6	21.3
337753 2001 UD_{108}	15.9	X	282.11460	296.06256	39.20485	13.48344	0.1328689	0.18378905	3.0637709	21	5 11.9	20.3
337754 2001 UR_{108}	15.1	X	203.88173	159.88961	225.66522	12.57948	0.1439867	0.17633086	3.1495645	21	4 23.6	20.3
337755 2001 UX_{110}	15.7	X	152.04614	75.00087	19.96579	8.45656	0.2164129	0.17695022	3.1422107	21	6 1.6	21.1
337756 2001 UL_{115}	16.3	X	249.90434	179.69823	180.99603	3.58300	0.2216336	0.18183529	3.0856780	21	5 1.5	21.3
337757 2001 UA_{120}	16.2	X	257.90387	307.61078	61.01128	5.99383	0.1601377	0.18373068	3.0644199	21	5 24.0	20.9
337758 2001 UK_{124}	15.6	X	238.90019	291.17582	79.63584	17.54661	0.2492729	0.18250418	3.0781339	21	5 6.8	20.9
337759 2001 UG_{125}	15.9	X	207.33163	304.39198	107.36187	12.40791	0.1887831	0.18067482	3.0988767	21	5 29.7	21.2
337760 2001 UJ_{129}	16.8	X	201.72245	252.53441	28.23206	10.10948	0.1045906	0.26567253	2.3964679	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
337761 2001 UB_{130}	13.7	X	261.04855	320.05579	44.00359	8.32322	0.1235332	0.08416365	5.1568720	21	5 29.4	20.7
337762 2001 UJ_{130}	15.8	X	230.12803	324.51942	39.46227	11.58372	0.1226988	0.17969625	3.1101168	21	4 24.5	20.7
337763 2001 UM_{137}	16.4	X	266.56070	139.99398	201.36545	2.59731	0.2405306	0.18441094	3.0568791	21	4 20.9	21.2
337764 2001 UT_{138}	16.0	X	199.99585	339.36279	35.45334	9.76242	0.1026426	0.17635197	3.1493131	21	4 10.1	20.9
337765 2001 UZ_{138}	15.8	X	157.34719	64.65083	35.83900	16.32223	0.2048859	0.17855987	3.1232984	21	6 11.1	21.2
337766 2001 UZ_{139}	17.7	X	125.08711	354.02673	51.92737	2.48561	0.1846257	0.26890773	2.3772081	21	2 26.9	20.7
337767 2001 UV_{143}	15.9	X	286.19738	300.84929	48.36714	11.08673	0.1606626	0.18499119	3.0504835	21	5 30.9	20.2
337768 2001 UZ_{143}	17.6	X	67.95965	26.58531	59.68316	2.97115	0.1823148	0.26437092	2.4043273	21	1 22.7	19.6
337769 2001 US_{145}	15.4	X	160.85193	81.65679	55.40742	18.25473	0.2156175	0.18086454	3.0967092	21	8 4.9	21.0
337770 2001 UA_{148}	16.3	X	196.54645	305.61412	93.44368	2.93325	0.1603924	0.17809812	3.1286945	21	5 4.4	21.5
337771 2001 UA_{160}	17.2	X	112.79638	319.60230	79.38337	5.88232	0.1832226	0.26493449	2.4009164	21	2 2.6	20.1
337772 2001 UK_{163}	17.6	X	125.74136	320.66883	85.76731	3.56156	0.1894186	0.26768289	2.3844541	21	3 1.7	20.7
337773 2001 UX_{163}	17.3	X	113.17725	247.58550	164.19308	5.57360	0.2102676	0.26921970	2.3753712	21	2 21.6	20.2
337774 2001 UK_{165}	16.3	X	108.54996	302.25498	55.67674	11.48362	0.2356857	0.26322599	2.4112942	21	—	—
337775 2001 UK_{166}	13.8	X	268.60540	115.70309	240.92925	6.25265	0.0738435	0.08369985	5.1759048	21	6 5.2	20.6
337776 2001 UM_{172}	15.9	X	125.84846	57.21943	36.07726	5.70765	0.1768803	0.17362063	3.1822564	21	5 5.4	20.9
337777 2001 UH_{173}	15.7	X	302.92022	288.25275	39.55282	12.16264	0.0787313	0.18377639	3.0639117	21	6 6.5	19.9
337778 2001 US_{173}	15.7	X	192.47759	13.59067	40.58154	10.99094	0.0906603	0.17856681	3.1232174	21	5 17.3	20.5
337779 2001 UO_{177}	16.7	X	91.02638	4.58341	33.72436	7.68444	0.1028645	0.26255838	2.4153800	21	—	—
337780 2001 UH_{178}	17.0	X	43.89650	10.76981	37.41552	21.38873	0.0988102	0.36015404	1.9564880	21	—	—
337781 2001 UZ_{184}	18.0	X	109.83109	356.38077	45.81658	3.58393	0.1829065	0.26635642	2.3923640	21	2 2.1	20.8
337782 2001 UL_{185}	15.6	X	217.68673	122.46378	268.33225	8.52252	0.1619890	0.18339473	3.0681611	21	5 10.7	20.7
337783 2001 UJ_{189}	15.5	X	203.67259	73.96931	350.64557	25.76423	0.2365280	0.18239682	3.0793416	21	6 2.2	21.3
337784 2001 UB_{192}	15.1	X	201.55051	327.05994	354.52052	27.72031	0.2190505	0.17256360	3.1952383	21	2 17.9	20.8
337785 2001 UG_{192}	15.1	X	193.95465	146.74266	272.09481	13.32183	0.1595593	0.18093789	3.0958723	21	5 24.2	20.3
337786 2001 UX_{194}	17.1	X	338.97494	170.63397	36.67503	6.84390	0.0637656	0.27252141	2.3561466	21	2 11.9	19.9
337787 2001 UU_{195}	16.0	X	143.34554	285.32553	188.64599	14.92093	0.1543757	0.18016835	3.1046815	21	6 14.9	21.2
337788 2001 UE_{198}	13.0	X	1.61021	52.02448	207.25898	23.73140	0.0778124	0.08499390	5.1232342	21	6 8.7	19.7
337789 2001 UE_{201}	15.7	X	201.59063	37.43475	13.58735	9.64411	0.1061900	0.18095421	3.0956861	21	5 21.1	20.6
337790 2001 UU_{201}	15.6	X	210.60963	189.08559	217.62283	17.72891	0.0823446	0.18158835	3.0884748	21	5 28.8	20.4
337791 2001 UU_{202}	17.6	X	72.12188	162.85828	297.53607	1.64969	0.1692785	0.26763444	2.3847419	21	2 17.5	19.6
337792 2001 UV_{202}	15.6	X	215.83320	192.91903	223.71447	7.98992	0.0522277	0.18337806	3.0683469	21	6 17.3	20.1
337793 2001 UA_{204}	16.4	X	359.85882	134.22942	14.85924	6.80004	0.0960616	0.26448098	2.4036603	21	—	—
337794 2001 UZ_{204}	17.0	X	177.60549	310.75473	22.76036	8.89219	0.1468265	0.26798941	2.3826356	21	1 19.5	20.7
337795 2001 UG_{205}	17.7	X	139.81154	31.13575	333.16376	2.23532	0.2423013	0.26675214	2.3899975	21	1 27.8	20.9
337796 2001 UW_{205}	17.8	X	126.06237	115.92197	274.53128	1.51919	0.1998967	0.26678704	2.3897890	21	2 8.5	20.8
337797 2001 UU_{207}	17.2	X	191.27626	125.28509	183.98786	5.29026	0.1515109	0.26836552	2.3804090	21	—	—
337798 2001 UY_{210}	15.8	X	260.92348	133.69841	220.76048	10.09443	0.0671518	0.18242261	3.0790514	21	5 21.7	20.2
337799 2001 UC_{211}	15.7	X	235.11194	140.63619	218.41628	9.80731	0.0716030	0.17908105	3.1172356	21	4 26.8	20.2
337800 2001 UR_{212}	15.8	X	240.66918	132.91910	206.92611	9.32963	0.0750020	0.17642313	3.1484662	21	4 8.9	20.4
337801 2001 UG_{213}	17.7	X	149.82694	133.31801	233.35569	4.03117	0.1632969	0.26936923	2.3744921	21	1 29.8	21.0
337802 2001 UD_{214}	17.9	X	75.34448	200.29093	211.32978	1.06598	0.1759369	0.26205027	2.4185012	21	—	—
337803 2001 UD_{216}	17.0	X	118.52837	16.66035	12.48125	5.95522	0.1894846	0.26596151	2.3947317	21	1 29.4	20.0
337804 2001 UN_{216}	12.9	X	1.22211	224.05850	40.75439	24.64519	0.0320427	0.08274889	5.2154837	21	6 10.9	19.9
337805 2001 UN_{219}	16.5	X	196.84672	47.08457	6.07764	0.87052	0.1911720	0.17828248	3.1265372	21	5 20.1	21.7
337806 2001 UV_{222}	15.6	X	118.77394	195.64203	242.47924	12.14690	0.0540173	0.16892373	3.2409745	21	3 21.9	20.5
337807 2001 UU_{224}	15.9	X	244.67796	122.04118	238.57817	26.08591	0.1684930	0.18071635	3.0984019	21	4 29.2	20.9
337808 2001 UK_{226}	15.7	X	272.28073	316.40860	41.76377	10.36825	0.1130170	0.18571462	3.0425565	21	5 31.8	20.1
337809 2001 UG_{227}	15.9	X	279.46022	266.83632	42.77584	12.12952	0.1396085	0.18133980	3.0912963	21	4 10.6	20.4
337810 2001 UT_{227}	17.8	X	70.05739	201.89245	263.99712	1.75112	0.1565597	0.26853526	2.3794057	21	2 19.4	19.9
337811 2001 UD_{228}	17.2	X	227.27166	39.58555	242.58636	2.02899	0.1640946	0.26960861	2.3730864	21	—	—
337812 2001 UV_{229}	17.6	X	225.58600	191.99067	92.53955	3.39617	0.1912533	0.27193729	2.3595193	21	1 1.9	21.4
337813 2001 UX_{229}	16.0	X	275.08437	134.65188	161.83851	10.27534	0.0682615	0.17909878	3.1170299	21	3 28.7	20.4
337814 2001 VG_{2}	16.3	X	170.29409	53.24346	47.15897	15.56864	0.3026787	0.17912590	3.1167152	21	6 24.7	22.2
337815 2001 VZ_{2}	17.0	X	152.82183	120.40847	245.62655	3.86359	0.2164559	0.26846850	2.3798002	21	2 6.9	20.5
337816 2001 VX_{5}	17.6	X	94.77093	310.10880	130.55631	1.98122	0.1597699	0.26769881	2.3843596	21	2 27.9	20.0
337817 2001 VL_{6}	16.0	X	277.92325	294.39249	35.47969	6.47476	0.2941744	0.18401556	3.0612562	21	4 12.7	20.9
337818 2001 VH_{10}	15.8	X	204.55691	197.46595	208.11066	8.58461	0.1085108	0.17922061	3.1156171	21	5 20.7	20.7
337819 2001 VV_{13}	15.5	X	174.09437	25.75014	36.59296	18.28564	0.1847480	0.17537060	3.1610511	21	5 10.0	20.8
337820 2001 VA_{18}	15.7	X	186.09962	347.52145	35.87025	9.66912	0.2255420	0.17495651	3.1660369	21	4 8.9	21.1
337821 2001 VG_{21}	15.5	X	210.52178	151.05836	232.76513	9.69728	0.2467078	0.17787861	3.1312680	21	4 24.4	21.1
337822 2001 VR_{23}	15.1	X	229.21144	349.28213	48.75530	15.98213	0.1231559	0.18044061	3.1015576	21	6 1.4	20.0
337823 2001 VW_{25}	17.0	X	59.58626	55.19728	45.50126	3.36201	0.1483922	0.26369117	2.4084575	21	1 24.6	19.2
337824 2001 VG_{28}	16.8	X	119.70708	309.83502	60.16254	7.09547	0.1232142	0.26175739	2.4203049	21	—	—
337825 2001 VV_{28}	17.4	X	169.56474	192.14003	240.38280	2.50892	0.2040375	0.27585254	2.3371400	21	5 17.2	21.0
337826 2001 VD_{38}	15.1	X	162.11100	223.59727	239.16642	20.17085	0.1120184	0.17834796	3.1257719	21	6 15.7	20.1
337827 2001 VE_{39}	14.9	X	150.95611	228.89872	243.38718	25.98912	0.1101167	0.17717807	3.1395163	21	6 15.4	19.9
337828 2001 VQ_{41}	17.5	X	130.63321	94.54056	298.38619	1.36142	0.2108451	0.26706627	2.3881230	21	2 18.6	20.7
337829 2001 VE_{49}	16.3	X	50.45845	44.78601	76.41522	13.78415	0.2061100	0.26237334	2.4165154	21	2 15.2	18.5
337830 2001 VF_{53}	17.4	X	106.98417	117.10383	274.01328	5.62464	0.1755203	0.26439877	2.4041585	21	1 11.1	20.0
337831 2001 VR_{56}	16.3	X	58.06336	99.80709	341.07535	6.23911	0.0877605	0.26302257	2.4125373	21	—	—
337832 2001 VH_{57}	13.0	X	294.90359	118.00314	218.48384	30.89993	0.0651403	0.08258284	5.2224727	21	6 10.6	20.1
337833 2001 VS_{57}	16.0	X	191.94309	49.57914	35.32631	16.65591	0.2758257	0.18004918	3.1060512	21	6 20.6	21.8
337834 2001 VU_{60}	17.6	X	78.31641	162.62811	238.33614	17.73434	0.1349698	0.36113078	1.9529586	21	—	—
337835 2001 VG_{61}	15.5	X	225.01943	105.97278	270.60629	8.76298	0.1424481	0.17853095	3.1236356	21	4 30.8	20.6
337836 2001 VE_{69}	15.5	X	354.86083	233.44680	49.06829	10.14293	0.0453704	0.18331102	3.0690950	21	6 26.8	19.6
337837 2001 VS_{71}	14.9	X	241.92008	131.49714	249.51150	14.73948	0.0777771	0.17738637	3.1370580	21	5 31.3	19.5
337838 2001 VZ_{72}	15.8	X	282.77554	103.74126	223.20460	10.62787	0.0598623	0.18076943	3.0977954	21	5 14.8	20.2
337839 2001 VQ_{74}	16.7	X	219.88696	359.90329	27.68982	0.16186	0.2030032	0.17935136	3.1141028	21	5 8.5	21.8
337840 2001 VT_{75}	17.7	X	134.71128	81.83354	265.86267	0.45835	0.1976824	0.26440537	2.4041185	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
337841 2001 VA_{76}	18.0	X	345.19341	123.31778	21.42421	6.94460	0.2704294	0.36029206	1.9559883	21	—	—
337842 2001 VH_{80}	15.3	X	170.53574	26.78019	31.74839	28.27404	0.1852065	0.17597279	3.1538355	21	4 30.9	20.6
337843 2001 VE_{81}	14.9	X	214.77755	158.35601	237.35890	16.59489	0.2096971	0.18031706	3.1029743	21	5 13.4	20.2
337844 2001 VA_{84}	15.5	X	200.70826	102.08641	285.68048	13.27845	0.2448311	0.17647636	3.1478330	21	4 17.6	21.2
337845 2001 VE_{90}	16.4	X	98.98082	33.19693	67.54098	25.03446	0.2612025	0.26916727	2.3756797	21	4 29.6	19.8
337846 2001 VR_{94}	15.2	X	186.95404	213.61892	194.39489	14.91259	0.2817496	0.17543062	3.1603301	21	5 8.2	20.9
337847 2001 VE_{95}	15.8	X	211.57554	229.98522	200.60740	15.36240	0.2705929	0.17992327	3.1075002	21	6 18.7	21.5
337848 2001 VZ_{95}	15.4	X	183.28120	259.78225	103.70822	18.11568	0.2369097	0.17193804	3.2029837	21	3 21.4	21.2
337849 2001 VH_{101}	15.4	X	208.29043	0.83462	28.27042	9.76211	0.0836931	0.17772592	3.1330612	21	5 3.1	20.2
337850 2001 VY_{101}	15.3	X	144.10908	182.82284	256.37793	8.59292	0.0920648	0.17371038	3.1811602	21	4 27.5	20.1
337851 2001 VM_{102}	15.4	X	270.54989	96.39413	250.04114	9.07116	0.0474152	0.17973770	3.1096386	21	5 25.6	19.9
337852 2001 VF_{104}	15.9	X	186.97996	33.64820	42.92914	10.85678	0.2106159	0.17842199	3.1249073	21	6 7.7	21.3
337853 2001 VF_{107}	17.8	X	80.46290	71.12738	353.57585	2.22053	0.2197343	0.26314945	2.4117618	21	1 21.4	19.8
337854 2001 VZ_{110}	16.5	X	106.99094	320.62833	36.98354	6.87799	0.2235097	0.25999197	2.4312489	21	—	—
337855 2001 VC_{114}	16.5	X	141.61404	86.13982	281.94579	4.34666	0.1677034	0.26502082	2.4003951	21	1 24.6	19.8
337856 2001 VA_{122}	16.1	X	174.18417	302.03112	129.30619	7.51274	0.2769379	0.17688695	3.1429600	21	5 26.5	21.8
337857 2001 VW_{123}	17.7	X	75.89007	25.36687	33.47125	2.79181	0.1949439	0.26223964	2.4173368	21	—	—
337858 2001 VP_{125}	15.9	X	219.41171	132.42823	238.10136	10.25076	0.0848886	0.17670103	3.1451643	21	4 21.8	20.8
337859 2001 VC_{128}	16.1	X	164.16157	300.98604	136.40145	8.15622	0.1754036	0.17762441	3.1342547	21	5 23.6	21.4
337860 2001 VY_{128}	12.7	X	336.13666	241.08187	59.50122	26.57434	0.0777990	0.08465813	5.1367718	21	6 19.7	19.4
337861 2001 VH_{129}	17.4	X	159.33563	190.54665	149.27437	8.68978	0.1951238	0.26681216	2.3896390	21	1 10.8	21.0
337862 2001 VG_{130}	15.8	X	335.81172	28.44640	205.00294	30.13639	0.1590148	0.17277406	3.1926430	21	3 12.6	20.2
337863 2001 VJ_{132}	13.8	X	240.03672	261.49031	126.22773	12.64148	0.1123632	0.08168719	5.2605773	21	6 7.9	21.1
337864 2001 WT_{2}	16.4	X	145.99102	121.05048	352.49833	1.66357	0.2123675	0.17821465	3.1273305	21	6 20.2	21.6
337865 2001 WT_{10}	15.3	X	224.75594	131.06216	226.39530	19.20914	0.0980785	0.17541040	3.1605730	21	4 10.1	20.3
337866 2001 WL_{15}	18.7	X	339.56759	14.55808	112.16446	6.94572	0.4755849	0.35205540	1.9863787	21	—	—
337867 2001 WE_{19}	16.0	X	216.38960	14.92251	37.40273	8.26833	0.1694451	0.18157269	3.0886524	21	6 4.6	21.2
337868 2001 WM_{26}	17.1	X	100.46419	193.63062	223.89245	5.63484	0.1324220	0.26552407	2.3973611	21	1 28.7	19.8
337869 2001 WO_{26}	17.8	X	96.52666	220.68462	222.14943	4.43522	0.2000657	0.26741087	2.3860709	21	3 9.9	20.5
337870 2001 WG_{35}	15.5	X	193.53237	311.40741	81.52870	10.03174	0.1011563	0.17450013	3.1715547	21	4 27.6	20.5
337871 2001 WA_{42}	16.3	X	184.12897	346.91338	68.06246	6.17335	0.1775921	0.17707293	3.1407589	21	5 12.6	21.5
337872 2001 WD_{46}	17.7	X	103.17337	35.68354	19.24889	1.70248	0.1427207	0.26530892	2.3986570	21	2 2.7	20.4
337873 2001 WL_{51}	17.8	X	103.96801	59.89851	335.94562	1.09212	0.1855910	0.26464509	2.4026664	21	1 15.2	20.4
337874 2001 WP_{51}	13.1	X	288.49319	113.97873	218.57383	24.93512	0.0203078	0.08152069	5.2677379	21	6 6.2	20.2
337875 2001 WJ_{52}	16.0	X	177.62649	194.06830	222.68576	7.07395	0.0085951	0.17735535	3.1374239	21	5 4.2	20.5
337876 2001 WB_{53}	13.5	X	299.95657	116.78845	228.30795	24.34519	0.0733596	0.08370127	5.1758461	21	6 25.0	20.4
337877 2001 WV_{60}	15.6	X	124.68987	200.86186	237.71141	15.73588	0.1176185	0.17066130	3.2189385	21	4 7.1	20.5
337878 2001 WY_{60}	15.3	X	206.70619	291.37939	49.37658	13.62046	0.1385283	0.17145568	3.2089882	21	3 12.8	20.7
337879 2001 WV_{67}	16.2	X	154.77903	29.31552	65.30360	2.14006	0.1578225	0.17715040	3.1398431	21	6 2.1	21.3
337880 2001 WG_{70}	13.4	X	316.78172	272.07288	52.80060	24.77687	0.0936467	0.08329724	5.1925695	21	6 21.0	20.2
337881 2001 WS_{71}	15.5	X	83.91715	139.47781	56.48236	17.76664	0.0433532	0.18192876	3.0846210	21	7 7.7	20.0
337882 2001 WS_{75}	16.4	X	165.05658	345.21117	86.64841	2.80655	0.1939638	0.17543982	3.1602196	21	5 16.9	21.5
337883 2001 WH_{81}	17.0	X	41.21901	42.27542	73.89093	7.71048	0.0621845	0.26360249	2.4089976	21	1 11.5	19.7
337884 2001 WL_{81}	17.4	X	69.49369	259.24881	228.43256	4.64005	0.1583694	0.26780818	2.3837104	21	3 22.5	19.8
337885 2001 WF_{93}	16.8	X	138.76552	230.29257	139.84336	6.01834	0.2066213	0.26589025	2.3951595	21	1 29.2	20.0
337886 2001 WV_{94}	16.5	X	143.26558	332.98198	89.60458	1.94008	0.2048238	0.17239250	3.1973522	21	4 18.6	21.6
337887 2001 WJ_{97}	17.1	X	343.46937	106.27608	66.93621	5.16094	0.1291578	0.26254715	2.4154488	21	—	—
337888 2001 WP_{97}	17.4	X	159.52835	286.49568	74.20427	4.69694	0.2244766	0.26912577	2.3759239	21	2 10.6	21.1
337889 2001 WF_{98}	18.0	X	96.22554	197.55071	252.01296	2.52488	0.1490157	0.26881610	2.3777482	21	3 10.7	20.7
337890 2001 WO_{101}	16.8	X	295.25953	176.50194	63.14506	6.99557	0.0900285	0.26703297	2.3883215	21	1 23.4	20.1
337891 2001 WA_{102}	18.1	X	122.10535	208.56938	190.80017	1.24411	0.1820834	0.26638558	2.3921895	21	2 12.9	21.2
337892 2001 WH_{102}	17.5	X	126.65620	303.47584	71.61353	3.40903	0.2025212	0.26478076	2.4018457	21	1 22.1	20.6
337893 2001 XK_{1}	16.2	X	242.16396	280.08171	263.27974	35.25352	0.1730256	0.35220211	1.9858270	21	—	—
337894 2001 XU_{6}	16.2	X	110.89462	111.25564	273.40742	22.86884	0.2736732	0.26250148	2.4157290	21	1 19.1	19.3
337895 2001 XP_{8}	17.2	X	86.12908	68.31178	16.66409	6.23232	0.1688368	0.26498795	2.4005936	21	2 24.1	19.7
337896 2001 XH_{35}	15.5	X	171.53656	142.16618	282.76838	15.87277	0.1105041	0.17551119	3.1593628	21	5 7.8	20.7
337897 2001 XF_{51}	15.6	X	201.04448	310.63577	68.98533	10.21065	0.2026509	0.17515822	3.1636059	21	4 17.9	21.0
337898 2001 XC_{56}	15.8	X	196.76202	301.79643	86.64227	15.02444	0.3077821	0.17541307	3.1605409	21	4 26.6	21.7
337899 2001 XE_{69}	15.2	X	154.36908	13.33417	62.69044	15.10359	0.1697567	0.17493246	3.1663272	21	5 12.6	20.3
337900 2001 XP_{69}	15.3	X	147.25217	186.99236	229.99615	25.96991	0.1451447	0.17182071	3.2044417	21	4 7.0	20.6
337901 2001 XQ_{70}	15.4	X	190.16012	341.96211	75.19517	24.55829	0.1609710	0.17760951	3.1344300	21	5 22.9	20.6
337902 2001 XV_{70}	15.6	X	134.76639	259.09205	208.65596	11.40103	0.2017829	0.17426007	3.1744669	21	6 3.4	20.9
337903 2001 XV_{76}	17.2	X	345.53080	254.52294	214.35213	3.88515	0.1375275	0.25444203	2.4664755	21	—	—
337904 2001 XO_{84}	17.2	X	119.34028	288.62812	106.50446	5.11303	0.2244312	0.26495193	2.4008111	21	2 11.9	20.3
337905 2001 XP_{89}	15.8	X	240.40819	89.88644	236.29099	9.64748	0.4273978	0.17997209	3.1069382	21	2 28.3	21.9
337906 2001 XW_{89}	18.1	X	97.16252	48.51574	19.42343	2.29887	0.2013978	0.26580279	2.3956849	21	2 21.4	20.7
337907 2001 XA_{94}	17.1	X	112.57850	300.49114	38.65662	3.87672	0.2062211	0.25867289	2.4395072	21	—	—
337908 2001 XH_{94}	15.6	X	206.09109	308.51953	53.22682	5.57742	0.1541861	0.17355425	3.1830677	21	3 31.4	20.8
337909 2001 XA_{106}	17.6	X	106.64584	341.07113	96.26461	2.16837	0.1817542	0.26772109	2.3842273	21	3 17.0	20.4
337910 2001 XA_{111}	17.3	X	158.20375	359.91811	97.20586	7.40187	0.1400216	0.27695303	2.3309447	21	6 5.3	20.7
337911 2001 XQ_{123}	17.6	X	30.93464	48.96149	72.63917	3.00533	0.1701828	0.26190595	2.4193896	21	—	—
337912 2001 XO_{125}	15.5	X	210.78849	140.30781	231.90392	8.39135	0.0965706	0.17457476	3.1706508	21	4 14.8	20.5
337913 2001 XS_{125}	17.2	X	164.41877	161.11267	203.48767	1.82558	0.1870526	0.26843338	2.3800077	21	2 14.4	20.9
337914 2001 XW_{128}	16.1	X	171.45149	330.08943	121.12655	2.69515	0.1867817	0.17692322	3.1425304	21	6 13.9	21.4
337915 2001 XA_{133}	17.6	X	102.22928	291.82359	109.20914	3.57681	0.1654862	0.26291611	2.4131885	21	1 16.8	20.0
337916 2001 XJ_{136}	15.7	X	134.70415	214.71992	258.70206	4.22847	0.1123760	0.17401375	3.1774618	21	6 2.1	20.6
337917 2001 XP_{136}	15.3	X	157.97047	347.42405	82.58792	11.34507	0.0830821	0.17246549	3.1964499	21	5 5.7	20.3
337918 2001 XZ_{167}	17.4	X	67.75030	290.28966	141.29139	3.09583	0.1793131	0.26016907	2.4301455	21	—	—
337919 2001 XD_{186}	17.4	X	102.15581	299.78571	132.45516	3.04960	0.2137851	0.26460958	2.4028814	21	3 9.2	20.1
337920 2001 XW_{210}	16.8	X	14.70132	250.72371	172.01279	4.94683	0.2380801	0.25212366	2.4815725	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
337921 2001 XP_{220}	17.1	X	140.49722	73.33835	289.17672	3.87856	0.2486392	0.26553412	2.3973006	21	1 26.4	20.4
337922 2001 XK_{225}	17.1	X	353.55835	236.60541	266.65375	3.70339	0.1686492	0.25866509	2.4395562	21	—	—
337923 2001 XN_{226}	16.1	X	156.30084	169.08050	270.59117	8.75395	0.2271219	0.17372198	3.1810185	21	5 19.1	21.5
337924 2001 XL_{236}	17.1	X	86.60207	3.75596	16.33710	2.75559	0.1993778	0.25813201	2.4429138	21	—	—
337925 2001 XR_{237}	16.7	X	97.89503	16.64769	52.59240	7.28807	0.0880678	0.26513905	2.3996814	21	2 8.7	19.6
337926 2001 XV_{241}	18.3	X	94.08146	144.12557	263.63444	0.57483	0.1879341	0.26267205	2.4146831	21	1 16.4	20.5
337927 2001 XX_{243}	15.3	X	201.21223	120.94934	231.58932	14.61025	0.1270180	0.17323744	3.1869473	21	3 9.3	20.6
337928 2001 XQ_{257}	15.2	X	173.00688	133.19231	250.14921	15.19302	0.1780918	0.17400507	3.1775675	21	3 20.5	20.7
337929 2001 XV_{265}	16.2	X	162.89167	276.16292	145.52986	6.20108	0.2224134	0.17408597	3.1765829	21	5 5.9	21.7
337930 2001 YL_{6}	17.6	X	101.06673	283.24726	126.72845	9.61391	0.2978757	0.26462850	2.4027669	21	2 19.5	20.3
337931 2001 YD_{7}	16.2	X	190.41493	115.93774	302.50703	8.69171	0.2298824	0.17631356	3.1497705	21	5 19.4	21.8
337932 2001 YV_{8}	17.0	X	13.84739	70.30407	45.11166	5.49947	0.1301732	0.25650106	2.4532583	21	—	—
337933 2001 YD_{14}	16.8	X	58.05058	49.59158	42.50490	10.48883	0.0855213	0.26240915	2.4162956	21	1 6.1	19.6
337934 2001 YH_{15}	17.2	X	101.34752	307.98427	83.32776	3.59614	0.2221205	0.26122745	2.4235771	21	1 11.9	19.7
337935 2001 YY_{21}	18.0	X	83.80820	31.55444	42.84637	3.33364	0.2057544	0.26424898	2.4050669	21	2 9.8	20.2
337936 2001 YC_{23}	17.5	X	359.12980	147.92723	309.15906	1.36989	0.1755150	0.25459397	2.4654942	21	—	—
337937 2001 YK_{23}	17.6	X	69.97546	27.36589	24.33849	1.41382	0.1718463	0.25976513	2.4326641	21	—	—
337938 2001 YA_{26}	16.7	X	131.27180	82.08247	259.43253	3.49790	0.1389487	0.25955071	2.4340037	21	—	—
337939 2001 YA_{50}	17.1	X	98.28720	350.43703	62.42526	2.19315	0.1680149	0.26261245	2.4150484	21	1 28.1	19.6
337940 2001 YX_{50}	17.4	X	77.78001	162.48958	288.26484	4.21961	0.1950301	0.26358836	2.4090837	21	2 17.8	19.6
337941 2001 YT_{66}	17.6	X	64.04536	121.69857	304.18345	5.72909	0.1768323	0.25843080	2.4410305	21	—	—
337942 2001 YH_{69}	15.5	X	165.02765	236.23201	284.73574	11.47598	0.1529382	0.18022203	3.1040650	21	8 26.0	20.7
337943 2001 YE_{97}	15.9	X	224.88827	288.61985	91.38180	10.96635	0.2418287	0.17851846	3.1237814	21	5 5.4	21.4
337944 2001 YH_{102}	15.3	X	136.34444	215.18278	261.71582	17.62992	0.1154336	0.17307673	3.1889198	21	6 8.6	20.1
337945 2001 YW_{123}	16.9	X	163.67538	175.20388	274.16304	20.92017	0.1870361	0.27590828	2.3368252	21	6 2.5	20.8
337946 2001 YE_{130}	17.4	X	115.23132	96.12288	315.85363	6.61051	0.2116736	0.26415444	2.4056407	21	2 24.6	20.6
337947 2001 YO_{134}	15.4	X	190.60534	29.61946	33.14843	18.33035	0.1322531	0.17644159	3.1482466	21	5 22.9	20.6
337948 2001 YV_{144}	17.3	X	86.97790	83.27347	354.96634	4.61623	0.2006641	0.26221665	2.4174781	21	2 20.2	19.7
337949 2001 YA_{155}	17.5	X	57.34415	90.63288	324.01159	4.54448	0.1825714	0.25784789	2.4447080	21	—	—
337950 2001 YN_{157}	17.7	X	41.60433	337.86408	99.21433	3.53371	0.1674568	0.25505959	2.4624927	21	—	—
337951 2002 AV_{30}	17.4	X	34.87615	173.73562	270.35757	2.60104	0.1773204	0.25489973	2.4635221	21	—	—
337952 2002 AK_{33}	17.1	X	78.66165	312.92692	45.20541	3.30233	0.1032285	0.24794807	2.5093557	21	—	—
337953 2002 AH_{64}	17.0	X	24.22023	176.39735	273.16334	3.90851	0.1803006	0.25262577	2.4782833	21	—	—
337954 2002 AH_{73}	17.5	X	65.35359	30.53179	22.68717	2.74873	0.1816666	0.25692273	2.4505733	21	—	—
337955 2002 AG_{76}	16.2	X	219.99259	156.60561	101.00041	15.40280	0.0847742	0.25327736	2.4740310	21	—	—
337956 2002 AD_{78}	16.6	X	194.51714	153.94545	66.16206	3.50573	0.1505334	0.24268956	2.5454739	21	12 13.4	20.3
337957 2002 AY_{93}	16.6	X	38.33351	12.00070	84.46026	6.78198	0.0587154	0.25654578	2.4529732	21	—	—
337958 2002 AN_{102}	17.1	X	49.29994	118.59258	314.19217	9.56197	0.1157186	0.25532865	2.4607624	21	—	—
337959 2002 AK_{105}	16.2	X	198.56915	257.00759	297.24385	11.57823	0.1055342	0.23971080	2.5665180	21	11 16.9	20.2
337960 2002 AA_{113}	17.0	X	357.14392	33.01318	104.10633	6.43756	0.1506982	0.25390286	2.4699661	21	—	—
337961 2002 AP_{132}	17.1	X	78.99198	282.91347	111.49977	2.38559	0.1897995	0.25660137	2.4526189	21	—	—
337962 2002 AZ_{156}	16.1	X	225.32876	63.97924	150.69210	9.02861	0.0739268	0.24512924	2.5285564	21	—	—
337963 2002 AF_{180}	17.3	X	302.33548	50.88635	152.01425	1.46829	0.1284969	0.25552273	2.4595162	21	—	—
337964 2002 AO_{197}	15.7	X	205.68912	36.00346	42.01608	11.42130	0.1932949	0.17746422	3.1361405	21	6 26.2	21.0
337965 2002 BZ_{22}	15.5	X	209.27015	35.41264	357.37666	14.08062	0.2884164	0.17528187	3.1621179	21	4 29.0	21.3
337966 2002 CG_{3}	15.7	X	255.78352	62.88300	108.61784	8.57132	0.1909423	0.24231438	2.5481007	21	12 18.6	18.8
337967 2002 CO_{3}	15.9	X	192.10296	61.79908	35.12311	13.64860	0.2805939	0.17478588	3.1680971	21	7 7.4	21.7
337968 2002 CX_{51}	16.8	X	229.22227	220.53367	336.37387	5.37360	0.2269053	0.23902047	2.5714573	21	12 11.1	20.7
337969 2002 CD_{53}	17.1	X	35.46777	310.36887	162.40500	6.74760	0.2054252	0.25598101	2.4565798	21	—	—
337970 2002 CA_{63}	16.8	X	354.97777	85.09141	45.68226	7.41567	0.1106610	0.25205528	2.4820213	21	—	—
337971 2002 CS_{80}	16.2	X	153.94883	263.23565	333.75238	10.70975	0.1520537	0.23531879	2.5983540	21	11 22.2	20.6
337972 2002 CQ_{87}	16.8	X	222.41695	239.94480	333.28068	5.36322	0.0510766	0.24412650	2.5354756	21	—	—
337973 2002 CH_{90}	16.1	X	216.14877	225.59230	335.34016	14.24156	0.0741254	0.24034691	2.5619876	21	12 22.7	19.9
337974 2002 CC_{104}	16.2	X	195.93652	210.39888	344.68341	11.47105	0.1255691	0.23483048	2.6019548	21	11 10.9	20.4
337975 2002 CS_{111}	16.2	X	205.65965	174.27762	356.98920	28.75501	0.0998991	0.23257743	2.6187317	21	10 16.0	20.4
337976 2002 CH_{112}	16.2	X	51.24589	37.77704	167.43136	18.16579	0.2251808	0.21293419	2.7774044	21	6 30.8	19.8
337977 2002 CG_{124}	16.2	X	140.30257	294.17533	318.69907	9.61604	0.1313266	0.23722197	2.5844380	21	11 30.5	20.5
337978 2002 CM_{126}	16.8	X	189.17460	258.45202	317.04111	3.18018	0.1432921	0.23735842	2.5834473	21	12 1.9	20.9
337979 2002 CM_{144}	16.7	X	131.54287	25.81077	170.06748	4.60180	0.1901110	0.22597585	2.6694884	21	9 16.6	21.0
337980 2002 CJ_{145}	16.1	X	116.98801	58.83381	160.88995	18.05200	0.1926552	0.22594383	2.6697405	21	10 5.9	20.5
337981 2002 CV_{166}	17.1	X	230.26509	140.13822	35.82899	5.63636	0.1842501	0.23881392	2.5729398	21	11 21.3	20.9
337982 2002 CE_{182}	16.6	X	200.09526	132.32512	111.87790	4.18861	0.1628865	0.24421541	2.5348601	21	—	—
337983 2002 CH_{189}	17.3	X	39.45432	324.64281	98.10951	2.71466	0.1824813	0.25261421	2.4783589	21	—	—
337984 2002 CY_{195}	17.2	X	243.39568	26.92065	134.57669	4.49184	0.0644513	0.24008155	2.5638751	21	12 7.6	20.5
337985 2002 CG_{200}	17.3	X	42.81957	124.43941	339.69561	5.88878	0.1464409	0.25588949	2.4571655	21	—	—
337986 2002 CU_{201}	16.3	X	39.37429	5.52249	345.37798	7.51705	0.0853365	0.23859242	2.5745319	21	12 8.9	19.8
337987 2002 CL_{220}	17.0	X	289.68028	333.58296	146.16909	2.11245	0.1402229	0.24040110	2.5616025	21	12 9.7	19.8
337988 2002 CF_{221}	16.6	X	211.34235	191.05919	353.39403	13.75375	0.1827266	0.23525123	2.5988514	21	11 7.2	20.9
337989 2002 CT_{241}	17.0	X	260.09271	222.36259	293.20637	2.82876	0.1406145	0.23995514	2.5647754	21	12 10.4	20.2
337990 2002 CR_{253}	16.6	X	259.72328	61.07504	109.79812	6.20572	0.0826803	0.24516304	2.5283239	21	—	—
337991 2002 CB_{284}	18.1	X	359.52779	346.24657	157.14055	1.46112	0.1317709	0.25456310	2.4656935	21	—	—
337992 2002 CJ_{294}	16.5	X	227.06468	202.64210	355.78435	10.76071	0.2032700	0.24206791	2.5498301	21	12 13.7	20.3
337993 2002 DU_{10}	15.2	X	192.55571	73.86385	359.47651	25.30458	0.3557947	0.17535972	3.1611819	21	6 2.7	21.6
337994 2002 DC_{18}	16.9	X	263.74414	160.77844	342.66725	11.95877	0.1078149	0.23978341	2.5659999	21	12 2.3	20.3
337995 2002 DZ_{18}	16.3	X	253.49907	209.42118	3.73608	14.32379	0.1096629	0.24548793	2.5260927	21	—	—
337996 2002 EE_{11}	16.2	X	110.33852	230.35282	4.73602	13.03998	0.2116663	0.22437861	2.6821419	21	10 14.3	20.6
337997 2002 EO_{19}	13.0	X	267.76900	173.81820	309.35399	12.72941	0.1004348	0.08247151	5.2271713	21	10 16.0	20.1
337998 2002 ER_{19}	16.7	X	314.52344	124.19935	357.34563	30.05771	0.1154237	0.24380920	2.5376749	21	—	—
337999 2002 EO_{22}	16.5	X	11.64024	36.69886	50.48780	6.70852	0.0698835	0.24636286	2.5201084	21	—	—
338000 2002 EK_{27}	16.6	X	119.73350	212.55609	32.13112	3.59366	0.3551477	0.22617166	2.6679474	21	11 10.8	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338001 2002 EK_{33}	16.4	X	175.56709	190.71709	47.58674	4.79154	0.2024986	0.23672210	2.5880749	21	12 13.3	20.6
338002 2002 EX_{50}	17.0	X	40.34284	111.99551	356.43933	8.15095	0.2148894	0.25448198	2.4662174	21	—	—
338003 2002 EK_{62}	16.7	X	124.53317	57.66974	182.03790	10.29005	0.1663575	0.22918609	2.6445019	21	11 3.7	21.0
338004 2002 EA_{73}	16.3	X	269.60029	160.46740	1.70564	17.54572	0.0901478	0.23992861	2.5649645	21	—	—
338005 2002 EO_{81}	16.4	X	175.30132	240.43132	320.91532	6.69860	0.0471336	0.23331382	2.6132186	21	11 3.1	20.2
338006 2002 EN_{106}	16.1	X	88.39982	207.93129	76.54481	6.86874	0.0935836	0.23093050	2.6311676	21	11 15.9	19.8
338007 2002 EH_{111}	16.2	X	200.85423	128.71844	51.92556	5.94230	0.1064651	0.23332608	2.6131271	21	11 4.5	19.9
338008 2002 EU_{114}	16.5	X	181.56292	248.41923	10.77896	7.35669	0.1736288	0.23923640	2.5699098	21	—	—
338009 2002 ED_{130}	15.8	X	71.95499	294.57265	193.44666	15.89920	0.2979148	0.16071160	3.3504610	21	5 6.9	20.3
338010 2002 EH_{140}	16.9	X	257.02089	167.84294	354.43612	8.18299	0.0436344	0.24047355	2.5610880	21	12 30.1	20.3
338011 2002 EE_{143}	16.7	X	177.40766	190.73939	23.33482	3.32354	0.1119089	0.23403069	2.6078794	21	11 20.1	20.7
338012 2002 EL_{147}	16.9	X	200.93176	47.86217	153.28967	5.25942	0.0371217	0.23627444	2.5913429	21	12 8.3	20.5
338013 2002 EN_{161}	17.6	X	81.79900	199.62526	229.23616	5.64550	0.2793850	0.25883962	2.4384595	21	2 7.8	19.8
338014 2002 ES_{162}	16.9	X	123.49207	43.95548	197.65105	11.91090	0.1470247	0.22824704	2.6517502	21	11 3.3	21.1
338015 2002 FE_{20}	16.2	X	215.01847	93.19285	88.15358	8.90799	0.1585155	0.23635290	2.5907694	21	11 17.0	20.1
338016 2002 FT_{21}	17.1	X	266.70965	319.93671	209.08495	5.34912	0.1788753	0.24102950	2.5571483	21	—	—
338017 2002 FA_{30}	17.0	X	175.24063	25.24762	201.86938	3.69414	0.1394416	0.23446337	2.6046700	21	12 3.4	21.0
338018 2002 FM_{41}	17.3	X	170.10894	11.27878	189.48213	4.61016	0.1279945	0.22924798	2.6440259	21	10 27.7	21.4
338019 2002 GT_{5}	16.0	X	168.57281	228.70725	36.53066	13.39699	0.1355660	0.23746507	2.5826738	21	—	—
338020 2002 GA_{47}	16.3	X	132.89108	84.97712	187.93700	14.68047	0.1339916	0.23431939	2.6057369	21	12 18.7	20.7
338021 2002 GZ_{60}	16.8	X	109.12077	257.03090	40.93960	3.20572	0.0752816	0.23350977	2.6117565	21	12 23.0	20.5
338022 2002 GV_{68}	17.5	X	220.80142	294.75641	293.15483	3.44001	0.1974277	0.23911101	2.5708081	21	—	—
338023 2002 GS_{93}	16.5	X	234.43263	330.50470	214.16389	14.41722	0.0977764	0.23651460	2.5895884	21	12 18.8	20.2
338024 2002 GX_{99}	17.0	X	295.61715	159.26580	356.87337	6.77959	0.1649561	0.24328746	2.5413018	21	—	—
338025 2002 GU_{135}	17.0	X	206.94952	261.02399	292.07585	1.09777	0.1258565	0.23367460	2.6105282	21	11 23.9	20.7
338026 2002 GR_{145}	16.1	X	347.37339	89.06368	10.55978	14.24946	0.0195438	0.24008760	2.5638320	21	—	—
338027 2002 GV_{148}	16.6	X	9.13991	107.64538	334.08026	3.82571	0.0400778	0.24197725	2.5504669	21	—	—
338028 2002 GQ_{152}	16.1	X	9.75480	94.74392	168.45781	15.79700	0.2553786	0.21153264	2.7896590	21	6 29.9	18.8
338029 2002 GF_{164}	16.4	X	198.86526	191.61892	27.32418	13.74378	0.0944784	0.23521341	2.5991300	21	12 19.7	20.4
338030 2002 GH_{172}	16.2	X	85.91568	255.80353	27.90594	13.17632	0.1526723	0.22757159	2.6569947	21	11 14.4	20.2
338031 2002 GJ_{179}	15.3	X	317.32430	248.14945	73.15205	20.71584	0.2985064	0.21274036	2.7790911	21	5 19.1	18.5
338032 2002 GZ_{180}	17.1	X	106.39029	82.69321	170.64595	8.31419	0.2010127	0.22505581	2.6767588	21	11 5.7	21.5
338033 2002 HW_{5}	16.7	X	196.16229	148.63455	33.53295	2.85749	0.1452293	0.23158955	2.6261734	21	10 28.6	20.7
338034 2002 JK_{30}	16.1	X	107.51534	192.40705	56.40626	10.00655	0.1294781	0.22321335	2.6914683	21	10 26.8	20.2
338035 2002 JL_{53}	16.2	X	75.04926	259.56742	31.12748	12.95998	0.2623489	0.22302545	2.6929798	21	11 22.9	20.5
338036 2002 JN_{58}	15.8	X	115.09502	193.03658	48.55423	13.64342	0.1274793	0.22276003	2.6951185	21	10 25.6	19.9
338037 2002 JH_{70}	16.0	X	90.49155	212.52876	79.43474	14.92121	0.2434451	0.22546159	2.6735461	21	12 9.0	20.4
338038 2002 JA_{77}	16.2	X	115.55563	224.52813	26.52178	13.63589	0.0681901	0.22787244	2.6546555	21	10 30.0	20.1
338039 2002 JO_{81}	16.5	X	176.00582	359.02387	220.10105	12.66972	0.1609925	0.23152436	2.6266664	21	11 23.2	20.7
338040 2002 JD_{85}	16.4	X	104.21636	213.06859	44.18051	10.70070	0.1006706	0.22478768	2.6788869	21	10 30.0	20.3
338041 2002 JW_{149}	16.6	X	265.17726	58.23123	77.91970	6.68695	0.0701888	0.23283204	2.6168223	21	12 1.4	20.0
338042 2002 LS	17.4	X	233.58455	121.60457	191.38614	22.67816	0.0611384	0.40154332	1.8196217	21	1 17.8	20.0
338043 2002 LZ	16.2	X	59.82016	173.46627	93.37212	10.07013	0.1144328	0.21810675	2.7333169	21	9 25.1	20.0
338044 2002 LD_{10}	16.4	X	136.58358	139.45724	110.89162	7.25053	0.1084722	0.22621922	2.6675735	21	11 25.1	20.5
338045 2002 LM_{63}	17.7	X	283.18514	31.70189	284.37910	4.64711	0.2142164	0.30258684	2.1973675	21	3 26.3	21.0
338046 2002 LP_{63}	16.2	X	325.29633	83.51766	310.18772	5.17859	0.0445978	0.21607589	2.7504168	21	10 9.9	19.8
338047 2002 NP	16.5	X	309.68994	141.84931	189.79700	14.97961	0.1594387	0.20328765	2.8645873	21	6 11.2	20.4
338048 2002 NL_{6}	17.0	X	14.34439	82.27687	240.93887	1.66929	0.1517239	0.21208197	2.7848398	21	9 29.7	20.1
338049 2002 NY_{31}	17.2	X	240.27262	282.83221	118.06722	40.93328	0.5458445	0.29976008	2.2111601	21	6 2.7	22.5
338050 2002 NR_{54}	15.9	X	60.65207	154.00715	126.32249	14.65982	0.1799369	0.21487809	2.7606284	21	10 23.9	20.0
338051 2002 NY_{69}	16.3	X	8.35847	189.47893	111.71322	9.18884	0.1831376	0.20982054	2.8048139	21	8 23.4	19.2
338052 2002 NE_{74}	16.7	X	356.86893	59.65948	299.37555	3.72984	0.0879454	0.21411153	2.7672136	21	10 12.6	20.2
338053 2002 NK_{74}	16.8	X	8.67772	288.11205	28.11877	3.74982	0.1924711	0.21088633	2.7953558	21	9 15.5	19.5
338054 2002 NN_{77}	16.4	X	45.44012	14.66457	259.58636	3.23724	0.0292427	0.21077879	2.7963066	21	8 25.4	20.1
338055 2002 NU_{77}	17.0	X	44.18645	258.54817	54.44266	3.85375	0.1713398	0.21589861	2.7519222	21	11 6.3	20.5
338056 2002 NF_{78}	16.4	X	3.25839	123.25341	240.28770	5.38905	0.0497754	0.21609904	2.7502204	21	10 27.0	19.9
338057 2002 NN_{78}	17.4	X	279.66095	267.34890	77.35928	6.18925	0.2426929	0.30362513	2.1923551	21	5 1.4	20.4
338058 2002 NQ_{79}	15.8	X	99.18329	21.89794	252.75690	12.83692	0.0610039	0.21870529	2.7283276	21	11 8.1	19.8
338059 2002 NW_{79}	16.1	X	19.14938	55.45479	257.89835	2.88364	0.0656819	0.21271715	2.7792933	21	9 13.7	19.5
338060 2002 OS_{24}	16.8	X	14.04889	348.97355	353.23227	3.42167	0.1072259	0.21348495	2.7726255	21	10 20.0	20.1
338061 2002 OD_{27}	16.2	X	88.03393	20.89750	257.68148	8.50560	0.0454403	0.21663847	2.7456531	21	10 28.0	20.1
338062 2002 OF_{30}	17.5	X	317.47580	48.59436	281.88244	5.56380	0.1560320	0.30729804	2.1748511	21	6 19.7	19.3
338063 2002 OF_{32}	16.9	X	327.26317	64.21193	321.03811	4.58128	0.1170786	0.21260491	2.7802713	21	9 28.5	20.1
338064 2002 OF_{35}	16.2	X	256.13650	83.99376	297.95018	7.84020	0.0871448	0.20125366	2.8838557	21	6 16.5	20.3
338065 2002 OJ_{36}	18.0	X	318.52708	281.89646	16.06745	5.52420	0.2448165	0.30574051	2.1822310	21	4 12.6	20.3
338066 2002 PV_{12}	16.5	X	69.92405	82.81017	213.77112	3.96398	0.1019984	0.21640132	2.7476587	21	11 7.8	20.3
338067 2002 PT_{13}	18.1	X	276.40362	201.64015	129.18883	5.63692	0.1853392	0.30314513	2.1946688	21	4 16.7	21.1
338068 2002 PN_{16}	16.5	X	18.38798	165.49743	136.73100	10.46165	0.2047872	0.21070671	2.7969443	21	9 18.1	19.4
338069 2002 PR_{16}	16.4	X	23.90714	2.32126	284.22381	6.91209	0.1857616	0.20970608	2.8058344	21	8 27.6	19.5
338070 2002 PV_{20}	17.8	X	261.39830	234.01311	140.70404	3.79979	0.1690829	0.30513426	2.1851205	21	5 30.6	20.7
338071 2002 PJ_{27}	17.8	X	247.01902	213.09355	144.46825	6.62056	0.2067480	0.30041840	2.2079286	21	4 20.2	21.2
338072 2002 PM_{32}	18.1	X	310.81646	57.35110	262.97646	2.70046	0.2331842	0.30576555	2.1821119	21	5 6.3	20.1
338073 2002 PY_{38}	18.4	X	287.70177	161.18445	159.44632	0.88835	0.1763099	0.30281197	2.1962782	21	4 14.9	21.3
338074 2002 PA_{39}	16.5	X	340.55067	181.06031	171.08496	4.30281	0.1155133	0.20966376	2.8062120	21	9 6.9	19.6
338075 2002 PM_{55}	17.1	X	345.97610	337.13250	320.84521	5.59899	0.2267795	0.30829301	2.1701692	21	6 19.0	18.1
338076 2002 PW_{61}	18.0	X	278.66095	146.39359	194.90375	4.67373	0.1943973	0.30342435	2.1933222	21	4 30.7	20.8
338077 2002 PA_{85}	16.3	X	328.26068	337.82975	343.29295	8.03975	0.3212626	0.20404130	2.8575291	21	5 30.8	19.3
338078 2002 PA_{106}	18.0	X	324.33799	84.24133	236.41434	5.57633	0.1546725	0.30759450	2.1734534	21	6 17.3	19.6
338079 2002 PB_{107}	16.6	X	302.88928	58.71050	290.05748	11.71961	0.2122970	0.20279920	2.8691850	21	6 15.4	20.2
338080 2002 PK_{107}	16.2	X	342.95405	17.06418	337.29773	7.54530	0.2395497	0.20945079	2.8081139	21	9 12.0	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338081 2002 PC_{114}	18.1	X	248.22974	246.00763	150.25308	4.00180	0.1282346	0.30621591	2.1799718	21	6 18.9	20.9
338082 2002 PU_{118}	17.7	X	259.74931	145.63603	191.42875	5.20542	0.2386728	0.29958062	2.2120430	21	3 31.3	21.1
338083 2002 PF_{119}	17.8	X	291.67968	43.59820	293.30118	5.20748	0.2109037	0.30430331	2.1890966	21	5 5.6	20.7
338084 2002 PP_{135}	17.9	X	275.17872	209.22416	108.41996	3.30473	0.2571763	0.30050873	2.2074862	21	3 20.4	21.2
338085 2002 PH_{141}	17.1	X	222.20717	79.18272	288.79503	5.67058	0.2582485	0.29578306	2.2309364	21	4 4.8	21.1
338086 2002 PM_{169}	16.8	X	346.00735	347.14924	355.97608	4.43461	0.1027495	0.20966921	2.8061633	21	9 5.0	19.9
338087 2002 PC_{174}	16.7	X	43.94856	101.24078	183.21321	4.26448	0.0272857	0.20917336	2.8105963	21	9 6.5	20.4
338088 2002 PH_{174}	17.6	X	205.52874	20.88032	5.94956	7.40634	0.1678601	0.29659713	2.2268523	21	4 17.2	20.9
338089 2002 PK_{176}	16.5	X	70.32188	17.63696	238.60104	3.93109	0.0797375	0.21100470	2.7943103	21	9 11.5	20.4
338090 2002 PM_{177}	15.8	X	246.05238	168.63790	322.87566	18.04647	0.1636379	0.21656649	2.7462614	21	10 4.8	20.1
338091 2002 PB_{179}	16.6	X	347.66052	315.50094	62.10486	4.27093	0.1000687	0.21379643	2.7699319	21	10 26.6	19.7
338092 2002 PJ_{182}	16.6	X	34.63682	313.64224	332.41325	8.73302	0.1430557	0.20979953	2.8050011	21	9 10.2	20.0
338093 2002 PE_{184}	17.8	X	339.40815	329.36785	318.07516	4.10852	0.1197120	0.30567699	2.1825333	21	5 27.4	19.6
338094 2002 PP_{186}	16.2	X	285.83968	66.76863	335.64249	14.31567	0.1615391	0.20656261	2.8342288	21	8 12.9	19.9
338095 2002 PT_{186}	17.8	X	272.84247	337.25546	353.10705	4.51470	0.1469847	0.30134868	2.2033823	21	4 12.7	20.8
338096 2002 PC_{187}	16.5	X	357.83939	281.30582	80.06052	6.14634	0.1090267	0.21295288	2.7772419	21	10 23.4	19.7
338097 2002 PP_{187}	17.7	X	191.59660	41.16781	349.62276	6.72297	0.0060521	0.29905710	2.2146238	21	4 3.3	20.4
338098 2002 PO_{188}	16.2	X	345.97881	234.54363	131.13343	7.24735	0.0145922	0.21217771	2.7840020	21	10 7.8	20.0
338099 2002 PU_{189}	17.7	X	266.40704	214.57137	120.70955	3.20015	0.1363795	0.30145223	2.2028777	21	4 16.2	20.5
338100 2002 PY_{189}	16.9	X	15.17575	135.10764	162.41643	6.09618	0.0213198	0.20799660	2.8211871	21	8 14.3	20.5
338101 2002 PD_{196}	17.6	X	258.45320	293.63609	41.77081	5.53873	0.2833184	0.29915389	2.2141461	21	3 26.9	21.4
338102 2002 PQ_{197}	17.9	X	320.94117	136.56366	158.90737	6.63990	0.0917138	0.30533820	2.1841475	21	5 13.6	20.2
338103 2002 PV_{197}	16.5	X	19.45433	33.29712	280.82442	5.45266	0.0120593	0.21178919	2.7874057	21	9 8.8	20.3
338104 2002 PP_{200}	16.6	X	311.10183	32.33272	353.28883	4.58750	0.0352570	0.21115269	2.7930045	21	9 11.9	20.3
338105 2002 PE_{201}	15.7	X	81.57694	206.34214	29.77176	6.87222	0.0111812	0.20904452	2.8117510	21	8 25.5	19.6
338106 2002 QH_{7}	15.8	X	341.34527	20.56793	350.31875	9.27388	0.2228457	0.21082568	2.7958919	21	10 3.0	18.1
338107 2002 QS_{14}	17.7	X	280.91583	30.77305	299.52606	3.99576	0.2000700	0.30205601	2.1999412	21	4 14.4	20.8
338108 2002 QQ_{26}	16.6	X	336.60171	172.09637	158.96027	15.66768	0.1458541	0.20470510	2.8513483	21	7 27.9	19.9
338109 2002 QJ_{31}	16.0	X	197.17083	354.16196	123.26041	7.09012	0.0269983	0.20593734	2.8399628	21	8 15.4	19.9
338110 2002 QW_{46}	16.1	X	255.09573	46.96166	359.93313	14.17712	0.2414234	0.20109119	2.8854088	21	6 30.1	20.9
338111 2002 QD_{48}	18.2	X	277.70894	12.93628	329.03225	3.84495	0.1785005	0.30334871	2.1936868	21	4 30.1	21.1
338112 2002 QJ_{53}	17.6	X	226.01620	85.45754	271.97635	2.64011	0.1101243	0.29700393	2.2248185	21	3 31.4	20.7
338113 2002 QJ_{55}	16.2	X	296.65010	61.64011	356.11021	11.33181	0.2780748	0.20698828	2.8303417	21	8 31.5	19.5
338114 2002 QG_{56}	17.6	X	140.39597	121.92816	12.43030	3.24241	0.0108126	0.30472913	2.1870568	21	6 23.8	20.2
338115 2002 QE_{58}	18.7	X	236.49321	41.58171	313.23355	1.75922	0.2015900	0.29782686	2.2207183	21	4 3.9	22.3
338116 2002 QP_{62}	16.1	X	277.78622	73.61505	323.14934	8.27229	0.1446285	0.20439424	2.8542387	21	7 26.2	19.9
338117 2002 QK_{63}	16.1	X	274.07641	88.28816	342.82583	6.14346	0.0283771	0.21047245	2.7990192	21	9 20.7	19.9
338118 2002 QZ_{69}	18.2	X	218.84518	63.81013	325.25268	7.85956	0.0599256	0.30066280	2.2067320	21	5 5.6	21.3
338119 2002 QU_{70}	16.6	X	9.49336	149.38542	146.60133	2.46680	0.0780672	0.20592568	2.8400700	21	8 7.7	20.0
338120 2002 QY_{70}	18.6	X	272.57387	317.03132	329.90972	3.22943	0.1627376	0.29623162	2.2286837	21	2 13.9	21.9
338121 2002 QZ_{73}	17.9	X	286.93170	267.38517	94.20369	4.74175	0.1494473	0.30607459	2.1806428	21	6 17.2	20.1
338122 2002 QE_{74}	17.9	X	284.17110	312.37248	345.01883	4.08515	0.1618838	0.29897554	2.2150266	21	3 11.4	20.8
338123 2002 QC_{78}	17.9	X	156.13838	224.56669	196.08732	2.47943	0.1349247	0.29503253	2.2347183	21	4 12.6	21.0
338124 2002 QV_{81}	17.8	X	319.53882	156.62863	117.25089	5.67396	0.1176441	0.30005801	2.2096962	21	4 5.2	20.3
338125 2002 QQ_{83}	16.8	X	3.15003	86.20349	261.91972	3.28514	0.0794467	0.21168841	2.7882903	21	10 7.3	20.2
338126 2002 QD_{87}	17.8	X	288.33899	231.10365	94.65891	5.52260	0.1554268	0.30299267	2.1954049	21	4 28.3	20.4
338127 2002 QA_{89}	18.4	X	306.59483	343.00045	323.21453	3.50664	0.1591224	0.30298213	2.1954558	21	4 20.6	20.8
338128 2002 QU_{89}	17.9	X	20.85164	270.71689	9.10824	6.08379	0.1560523	0.31033130	2.1606562	21	8 23.2	19.5
338129 2002 QL_{90}	16.3	X	301.53729	317.67647	57.14448	7.00096	0.0811314	0.20485732	2.8499356	21	8 11.2	20.0
338130 2002 QP_{90}	16.0	X	356.00418	333.37710	347.89837	6.78572	0.1012211	0.20542131	2.8447169	21	8 22.9	19.4
338131 2002 QW_{90}	16.5	X	357.80385	310.67900	1.03982	14.91333	0.1564003	0.20587489	2.8405370	21	8 18.9	19.7
338132 2002 QS_{93}	16.6	X	259.43489	249.27114	147.27695	5.93050	0.1049618	0.20185538	2.8781218	21	7 6.7	20.7
338133 2002 QX_{96}	18.3	X	302.93919	257.58440	18.63734	3.01276	0.1497423	0.30000075	2.2099773	21	3 8.1	20.8
338134 2002 QE_{98}	16.8	X	122.89210	275.54504	330.11136	4.27259	0.0977498	0.21714819	2.7413548	21	10 31.7	21.1
338135 2002 QP_{100}	15.8	X	128.71527	199.56744	118.44835	15.87790	0.1592651	0.17423962	3.1747152	21	—	—
338136 2002 QE_{101}	16.6	X	242.22819	6.48825	120.64997	5.14082	0.0205112	0.21479141	2.7613711	21	10 26.9	20.4
338137 2002 QR_{107}	16.8	X	323.79376	120.16739	248.44488	2.60078	0.1119042	0.20861238	2.8156327	21	8 30.6	20.1
338138 2002 QF_{108}	17.9	X	223.06033	221.42849	190.82194	0.62485	0.1916064	0.30293265	2.1956949	21	6 7.5	21.1
338139 2002 QU_{108}	17.1	X	304.20329	45.83638	327.27061	4.99377	0.1904804	0.20597814	2.8395878	21	7 25.5	20.3
338140 2002 QE_{110}	16.8	X	42.07831	336.34038	310.81388	3.21633	0.0761660	0.21020762	2.8013696	21	9 13.7	20.3
338141 2002 QG_{115}	17.4	X	316.69894	154.79936	107.76221	5.49837	0.2101005	0.29952307	2.2123264	21	2 27.2	20.0
338142 2002 QK_{115}	17.9	X	192.48536	24.65578	332.03596	4.03127	0.1798293	0.29147747	2.2528523	21	2 27.6	21.3
338143 2002 QU_{115}	17.7	X	194.60596	52.56753	352.85471	3.10946	0.0972787	0.29825426	2.2185963	21	5 1.1	20.8
338144 2002 QA_{117}	16.4	X	18.38528	68.69023	274.97077	4.64768	0.0569620	0.21410022	2.7673110	21	10 21.9	20.1
338145 2002 QU_{120}	16.5	X	325.01464	258.20095	129.77418	5.24965	0.0782569	0.20997750	2.8034160	21	10 4.7	19.9
338146 2002 QA_{126}	18.2	X	290.59540	154.40885	164.19981	8.06500	0.1159078	0.30203438	2.2000462	21	4 27.6	20.8
338147 2002 QE_{127}	18.2	X	227.67032	48.36165	346.17641	1.71597	0.2074018	0.30128363	2.2036995	21	5 17.6	21.5
338148 2002 QO_{128}	17.1	X	288.99613	358.41653	22.67281	2.39257	0.1270177	0.20441216	2.8540718	21	7 23.1	20.9
338149 2002 QP_{128}	16.4	X	237.24691	26.67756	30.40061	2.33561	0.0597065	0.20259754	2.8710887	21	7 13.2	20.6
338150 2002 QY_{129}	16.7	X	52.46695	4.12091	312.38439	5.22983	0.0230807	0.21467261	2.7623898	21	10 27.8	20.5
338151 2002 QX_{131}	18.4	X	224.33079	293.45279	110.16203	2.85090	0.2426124	0.30093501	2.2054010	21	5 25.9	22.1
338152 2002 QS_{132}	16.6	X	317.59359	113.80428	249.66116	7.96645	0.1475990	0.20563817	2.8427165	21	8 6.3	20.0
338153 2002 QP_{136}	16.9	X	93.86670	338.48241	291.57508	3.26610	0.0232839	0.21527210	2.7572590	21	10 21.9	20.8
338154 2002 QN_{142}	16.9	X	268.26587	179.46726	201.85659	10.16771	0.1513555	0.20054037	2.8906899	21	6 21.2	21.2
338155 2002 QU_{146}	16.5	X	233.77732	341.06919	103.85215	3.20209	0.0394460	0.20668064	2.8331497	21	8 17.4	20.4
338156 2002 QG_{147}	16.9	X	334.96237	151.63716	141.41382	3.82833	0.1422514	0.20112197	2.8851144	21	6 2.7	20.3
338157 2002 QZ_{149}	16.3	X	26.97060	90.18110	225.89658	2.71870	0.0919855	0.21208598	2.7848047	21	10 2.9	19.9
338158 2002 QX_{150}	17.5	X	260.60084	89.90292	278.94593	3.41462	0.1286782	0.30295648	2.1955797	21	5 25.2	20.4
338159 2002 RY	17.8	X	254.34620	115.13564	215.07148	8.56003	0.3095371	0.29779936	2.2208550	21	3 11.4	21.8
338160 2002 RP_{2}	17.0	X	238.53067	0.78749	352.85100	4.95935	0.1699537	0.29704027	2.2246370	21	4 5.7	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338161 2002 RH_{6}	17.6	X	242.58639	205.75462	168.44398	3.95910	0.1929295	0.30046170	2.2077165	21	5 7.6	20.8
338162 2002 RL_{15}	17.6	X	290.22443	135.90537	172.80521	5.95404	0.2106969	0.30026808	2.2086655	21	3 28.4	20.3
338163 2002 RT_{22}	17.5	X	325.52688	281.83757	357.70714	5.93862	0.1879882	0.30222347	2.1991284	21	4 5.9	19.8
338164 2002 RP_{35}	16.1	X	306.89709	43.64173	290.01701	6.96594	0.2148908	0.20167473	2.8798403	21	5 30.5	19.7
338165 2002 RR_{66}	16.4	X	249.25843	115.79785	265.65077	10.75891	0.1693179	0.19616753	2.9334901	21	5 29.3	20.9
338166 2002 RZ_{66}	16.5	X	258.02426	34.04138	295.42151	6.69976	0.1828746	0.29681799	2.2257476	21	3 20.8	19.9
338167 2002 RR_{69}	17.8	X	279.12563	325.34856	19.30984	1.92510	0.1705475	0.30233486	2.1985883	21	5 8.3	20.4
338168 2002 RX_{77}	17.8	X	262.77502	335.83872	0.32010	3.20379	0.1636636	0.29895260	2.2151399	21	4 8.2	20.8
338169 2002 RP_{78}	17.6	X	283.49790	352.35691	334.09663	5.90744	0.2023171	0.30110928	2.2045500	21	4 11.4	20.6
338170 2002 RV_{84}	17.3	X	242.27717	24.87872	354.78159	4.87699	0.2234530	0.29938947	2.2129845	21	5 9.4	20.7
338171 2002 RL_{111}	16.9	X	236.89436	86.36884	258.50464	3.91403	0.2095204	0.29388398	2.2405369	21	3 21.4	20.5
338172 2002 RV_{112}	17.3	X	243.42587	199.76920	196.02761	16.50094	0.4904711	0.29823404	2.2186966	21	5 18.1	21.8
338173 2002 RV_{115}	16.8	X	313.04483	70.32316	273.97911	5.08392	0.2657118	0.20313340	2.8660372	21	6 16.2	19.9
338174 2002 RY_{115}	15.9	X	282.50590	106.83739	269.82442	4.75500	0.0789759	0.20197211	2.8770128	21	7 14.2	19.9
338175 2002 RD_{116}	17.7	X	301.43482	332.06184	3.65882	6.94592	0.1459676	0.30483401	2.1865551	21	5 29.9	20.1
338176 2002 RC_{118}	16.8	X	243.87868	222.24109	208.90798	27.97455	0.5652157	0.19413166	2.9539636	21	6 21.6	23.1
338177 2002 RU_{125}	17.9	X	260.57159	134.53815	190.21922	5.79186	0.2190877	0.29734935	2.2230952	21	3 17.3	21.1
338178 2002 RJ_{126}	17.6	X	284.52391	289.71794	26.13798	5.76929	0.2302108	0.30118680	2.2041717	21	3 29.5	20.5
338179 2002 RC_{132}	17.4	X	215.29628	111.78116	297.96306	6.80790	0.1226539	0.29970782	2.2114171	21	5 30.0	20.6
338180 2002 RX_{132}	17.5	X	271.13479	215.18347	99.35991	4.99473	0.2023790	0.29838341	2.2179560	21	3 18.9	20.7
338181 2002 RE_{158}	18.3	X	239.20450	62.30981	303.11955	1.08955	0.1557483	0.29818326	2.2189484	21	4 23.5	21.6
338182 2002 RF_{165}	15.8	X	330.33669	51.31026	249.93263	7.48361	0.1073421	0.19962454	2.8995244	21	6 9.6	19.3
338183 2002 RP_{170}	16.4	X	322.80760	145.39682	174.70588	15.23186	0.1529396	0.20219589	2.8748896	21	6 17.9	20.1
338184 2002 RA_{173}	17.6	X	256.33541	258.00460	77.86746	5.88693	0.2380580	0.29759461	2.2218735	21	3 30.1	21.1
338185 2002 RY_{182}	15.6	X	279.74115	157.21462	249.40040	10.92126	0.1791938	0.20282766	2.8689166	21	7 31.4	19.7
338186 2002 RK_{183}	16.0	X	289.61962	108.21784	288.51537	10.87258	0.2254842	0.20260420	2.8710257	21	7 27.2	19.6
338187 2002 RK_{200}	18.1	X	267.10278	116.87775	239.62973	4.82395	0.2115326	0.30213672	2.1995493	21	5 5.3	21.3
338188 2002 RW_{200}	17.7	X	324.93896	259.81206	53.99890	6.51122	0.1679716	0.30542555	2.1837310	21	6 3.9	19.6
338189 2002 RE_{203}	18.1	X	206.11234	57.49393	311.08107	4.43090	0.1903895	0.29330868	2.2434657	21	3 25.0	21.8
338190 2002 RV_{210}	16.7	X	301.67086	115.09178	180.79794	11.48623	0.1142455	0.19299694	2.9655307	21	4 22.2	20.7
338191 2002 RO_{240}	16.6	X	54.51616	341.58966	312.62703	6.13608	0.0488943	0.21094849	2.7948066	21	10 4.4	20.4
338192 2002 RW_{255}	18.2	X	281.77414	31.92480	259.88864	5.80969	0.1560272	0.29777279	2.2209871	21	2 27.3	21.3
338193 2002 RQ_{257}	16.9	X	300.17171	339.17379	42.22124	2.56559	0.0859654	0.20599348	2.8394468	21	8 15.8	20.4
338194 2002 RM_{261}	16.9	X	262.26119	191.39983	222.70171	5.04131	0.0888079	0.20281777	2.8690099	21	8 3.2	21.1
338195 2002 RB_{268}	18.3	X	280.19628	299.24671	358.72561	5.86705	0.1973269	0.29776585	2.2210217	21	3 5.2	21.5
338196 2002 RQ_{269}	16.6	X	290.41281	343.67491	341.47118	11.38627	0.0503870	0.19797676	2.9155908	21	5 18.6	20.8
338197 2002 RM_{270}	16.7	X	13.71370	12.01450	312.00591	2.66923	0.0947065	0.20968256	2.8060442	21	9 22.8	20.2
338198 2002 RX_{273}	18.4	X	298.62548	147.72869	148.26807	3.12449	0.2208415	0.30104095	2.2048836	21	3 19.5	21.1
338199 2002 RS_{275}	16.9	X	315.90188	56.64302	235.05569	1.14217	0.0622031	0.19571695	2.9379908	21	5 11.6	20.8
338200 2002 RQ_{278}	15.9	X	250.74208	276.67122	84.16497	3.30328	0.1208767	0.19568564	2.9383042	21	5 11.1	20.3
338201 2002 RX_{278}	16.2	X	131.57718	332.04623	197.37503	14.89448	0.0795483	0.20254728	2.8715636	21	8 1.7	20.8
338202 2002 RS_{289}	16.2	X	308.33227	11.31436	34.33560	12.68377	0.0686736	0.21049664	2.7988048	21	10 4.9	19.7
338203 2002 RJ_{290}	16.4	X	290.63228	300.45791	28.13153	11.19653	0.2880105	0.19942516	2.9014566	21	4 22.0	20.7
338204 2002 SS	16.3	X	228.76216	169.28579	256.15755	4.44365	0.3070687	0.19565431	2.9386178	21	6 23.7	21.6
338205 2002 SQ_{2}	17.3	X	15.03722	181.17944	11.67962	25.14164	0.0681374	0.39614608	1.8361119	21	3 4.3	19.1
338206 2002 SC_{18}	17.8	X	279.31348	143.13617	173.75776	1.49729	0.1803732	0.29800688	2.2198239	21	3 30.6	20.7
338207 2002 SJ_{18}	18.1	X	274.93952	152.83490	170.10945	2.68938	0.1273184	0.29735475	2.2230682	21	4 9.9	20.9
338208 2002 ST_{24}	17.8	X	248.71511	302.18908	5.94799	5.51650	0.2149690	0.29342397	2.2428780	21	2 17.2	21.3
338209 2002 SF_{25}	17.4	X	246.40428	310.09290	35.38748	5.57066	0.2212101	0.29658914	2.2268923	21	4 2.0	20.9
338210 2002 SF_{34}	17.1	X	246.73642	29.70418	3.48136	7.69763	0.1602135	0.30181609	2.2011069	21	6 7.6	20.2
338211 2002 SZ_{34}	15.8	X	263.77351	336.41771	26.16057	11.18231	0.1455754	0.19648697	2.9303099	21	5 21.6	20.3
338212 2002 SP_{35}	17.0	X	245.20624	14.64389	41.98049	4.55196	0.1249478	0.30315591	2.1946167	21	7 15.9	19.7
338213 2002 SJ_{44}	17.0	X	250.42047	321.53897	29.80904	8.49335	0.2136432	0.29721981	2.2237410	21	4 12.9	20.4
338214 2002 SO_{59}	17.3	X	225.17495	283.72185	71.40316	7.15315	0.2612661	0.29512780	2.2342373	21	3 28.7	21.2
338215 2002 SA_{60}	17.6	X	289.13094	229.80254	70.38808	5.35536	0.1861132	0.29953320	2.2122765	21	3 21.2	20.5
338216 2002 SE_{70}	16.6	X	323.52188	343.23980	359.02649	5.82933	0.0721567	0.20164770	2.8800975	21	7 31.1	20.2
338217 2002 TX_{6}	17.0	X	258.67071	317.74229	19.85249	6.62606	0.1529171	0.29664024	2.2266366	21	4 7.8	19.9
338218 2002 TR_{8}	17.3	X	251.18772	206.99197	135.67398	2.05246	0.2461111	0.29620305	2.2288270	21	3 31.6	20.8
338219 2002 TH_{9}	17.6	X	240.06743	233.04271	143.60124	5.81142	0.1989956	0.29924557	2.2136939	21	5 8.9	21.0
338220 2002 TF_{12}	16.2	X	302.92967	6.48467	14.56661	15.45131	0.1446595	0.20310314	2.8663218	21	8 17.4	20.0
338221 2002 TM_{12}	18.0	X	247.33980	289.42190	60.16232	3.43232	0.2303820	0.29733855	2.2231490	21	4 7.4	21.4
338222 2002 TA_{17}	17.6	X	249.55444	20.95097	1.33798	5.62216	0.0882690	0.30107928	2.2046965	21	6 4.2	20.5
338223 2002 TK_{34}	16.6	X	232.78524	74.15730	3.67165	5.53313	0.2404260	0.19727015	2.9225490	21	7 17.9	21.4
338224 2002 TB_{42}	17.4	X	256.10993	307.03854	40.08487	5.63260	0.2080307	0.29678748	2.2259001	21	4 13.7	20.8
338225 2002 TQ_{43}	17.7	X	239.30208	129.30809	215.27744	2.57527	0.2158159	0.29390426	2.2404339	21	3 24.2	21.4
338226 2002 TC_{57}	17.9	X	90.27887	251.57249	201.11236	20.62643	0.0908011	0.39099085	1.8522161	21	1 19.1	19.9
338227 2002 TR_{62}	16.2	X	233.25505	226.51496	207.82300	14.82299	0.1611200	0.19807134	2.9146626	21	7 16.2	21.0
338228 2002 TS_{64}	17.8	X	307.85025	267.39026	39.85064	8.57154	0.2131119	0.30100618	2.2050534	21	4 18.0	20.1
338229 2002 TN_{66}	17.6	X	100.30305	64.43827	294.19000	18.67390	0.0658011	0.38041672	1.8863820	21	—	—
338230 2002 TD_{73}	17.0	X	189.45395	163.64059	240.88467	6.04893	0.0592016	0.29373060	2.2413169	21	4 23.3	20.0
338231 2002 TB_{74}	17.2	X	247.84424	346.67304	0.20894	7.06521	0.1438757	0.29532642	2.2332355	21	4 7.9	20.3
338232 2002 TD_{75}	16.9	X	253.19342	321.16665	45.56123	7.31538	0.2336825	0.29977174	2.2111027	21	5 3.5	20.3
338233 2002 TY_{75}	17.8	X	202.50738	108.58142	268.49636	2.44205	0.1798446	0.29262862	2.2469402	21	4 2.5	21.4
338234 2002 TY_{77}	16.2	X	283.55021	316.14572	11.95372	11.73308	0.2646254	0.19527095	2.9424626	21	4 15.8	20.8
338235 2002 TU_{85}	17.5	X	266.59465	92.79373	224.09279	4.10783	0.1939162	0.29625095	2.2285868	21	3 14.1	20.9
338236 2002 TZ_{88}	17.4	X	238.63081	145.28910	247.94170	4.21223	0.1464219	0.29931338	2.2133595	21	6 1.2	20.5
338237 2002 TS_{98}	16.2	X	266.38901	75.90500	329.22874	0.97640	0.1762182	0.19955875	2.9001616	21	7 16.9	20.2
338238 2002 TN_{105}	17.9	X	177.73472	151.17935	231.61405	6.00282	0.2654072	0.29054043	2.2576936	21	3 21.6	21.8
338239 2002 TH_{106}	16.4	X	326.44851	23.89389	336.32651	5.43194	0.1038170	0.20356386	2.8619954	21	8 25.3	19.6
338240 2002 TW_{109}	15.5	X	276.60164	198.24527	127.33810	11.90905	0.1118548	0.19267720	2.9688107	21	5 1.7	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338241 2002 TL_{116}	16.0	X	217.15477	148.20112	251.31135	10.11391	0.1502674	0.19238387	2.9718275	21	5 22.1	20.8
338242 2002 TJ_{133}	17.3	X	255.31338	337.84673	321.93868	4.47687	0.1418347	0.29143892	2.2530510	21	2 14.9	20.7
338243 2002 TG_{134}	15.8	X	302.50371	111.40560	229.25176	9.38666	0.1387348	0.19873627	2.9081577	21	6 15.2	19.5
338244 2002 TD_{149}	17.4	X	280.46627	14.65707	279.27635	2.92523	0.1258134	0.29457958	2.2370084	21	3 6.2	20.5
338245 2002 TV_{151}	17.3	X	12.05947	261.74038	356.69596	7.42440	0.0552830	0.30127227	2.2037548	21	6 16.8	19.6
338246 2002 TP_{157}	15.8	X	355.36597	278.34393	45.04667	25.87783	0.2448515	0.20488707	2.8496598	21	9 17.3	19.0
338247 2002 TC_{176}	15.4	X	265.27882	143.48867	266.32158	11.11410	0.2345359	0.19902729	2.9053222	21	7 12.4	19.8
338248 2002 TJ_{178}	17.2	X	234.64365	90.41402	281.07626	4.33653	0.1497838	0.29645213	2.2275784	21	4 26.2	20.4
338249 2002 TX_{182}	16.7	X	332.60061	117.09236	214.16921	6.07113	0.3297869	0.20468478	2.8515371	21	6 26.0	19.1
338250 2002 TD_{186}	17.0	X	263.73263	93.26006	217.43363	5.57118	0.1708488	0.29502947	2.2347337	21	3 4.8	20.4
338251 2002 TW_{187}	17.6	X	288.60824	84.73407	254.14404	3.79185	0.2041368	0.30168765	2.2017315	21	5 6.9	20.1
338252 2002 TJ_{195}	15.9	X	229.77826	18.01876	29.67786	14.09467	0.1699524	0.19327841	2.9626509	21	6 9.9	20.8
338253 2002 TZ_{198}	16.1	X	228.37778	214.49026	201.39057	3.39442	0.1768618	0.19486333	2.9465646	21	6 20.4	20.8
338254 2002 TZ_{206}	17.4	X	249.80636	113.81134	224.59609	4.85361	0.2839201	0.29575858	2.2310595	21	3 20.5	21.2
338255 2002 TS_{222}	17.9	X	242.47551	181.46229	189.67658	4.29355	0.1944596	0.29742148	2.2227357	21	5 3.1	21.3
338256 2002 TL_{223}	17.5	X	265.97102	306.74021	33.17191	7.14985	0.2203129	0.29779147	2.2208943	21	4 12.5	20.8
338257 2002 TO_{229}	17.4	X	226.12877	330.60397	31.53282	3.90442	0.1645289	0.29403653	2.2397619	21	4 7.1	20.6
338258 2002 TB_{232}	16.2	X	301.22985	96.03798	317.14422	13.42092	0.2770842	0.20440115	2.8541743	21	8 27.3	19.4
338259 2002 TH_{235}	15.8	X	17.36817	86.38800	272.43374	9.43271	0.2720777	0.21123920	2.7922419	21	12 11.4	19.0
338260 2002 TE_{239}	15.9	X	261.97281	4.81917	6.68387	7.43333	0.1342549	0.19452210	2.9500095	21	6 2.5	20.4
338261 2002 TP_{251}	15.6	X	246.97378	311.81701	48.26524	10.94910	0.1242973	0.19150500	2.9809130	21	5 5.6	20.2
338262 2002 TM_{252}	17.4	X	187.61211	235.94783	162.34969	6.87197	0.1213866	0.29303485	2.2448632	21	4 17.9	20.6
338263 2002 TA_{253}	17.7	X	40.39398	270.36599	208.90923	19.00257	0.1252744	0.38555927	1.8695709	21	—	—
338264 2002 TL_{253}	17.1	X	292.86068	206.69669	145.46736	1.80238	0.4111919	0.19925586	2.9030999	21	5 8.9	21.4
338265 2002 TX_{265}	15.5	X	129.87195	235.54355	237.33205	24.27149	0.4240964	0.17995200	3.1071694	21	6 17.4	21.4
338266 2002 TV_{267}	17.9	X	260.67386	350.38430	323.40270	3.36352	0.2089927	0.29513974	2.2341771	21	3 4.4	21.4
338267 2002 TQ_{271}	17.6	X	209.33471	96.09744	332.35903	3.05854	0.1504242	0.29909220	2.2144506	21	6 17.9	20.8
338268 2002 TT_{271}	17.8	X	194.95526	59.95906	338.76960	3.07746	0.1660881	0.29363674	2.2417944	21	4 23.4	21.3
338269 2002 TE_{290}	17.9	X	247.78955	83.36682	261.34870	6.51942	0.1976175	0.29548143	2.2324544	21	3 30.3	21.4
338270 2002 TM_{294}	17.5	X	241.32107	343.74652	14.91592	2.29646	0.1833514	0.29531348	2.2333007	21	4 15.3	21.0
338271 2002 TO_{298}	15.9	X	223.37357	138.05487	252.38764	5.07466	0.1500010	0.19063053	2.9900222	21	5 16.8	20.5
338272 2002 TE_{299}	18.1	X	255.87030	342.47042	337.17806	1.68890	0.2235209	0.29375137	2.2412112	21	3 7.2	21.4
338273 2002 TY_{300}	17.6	X	283.15226	147.11024	158.90665	8.93845	0.2434962	0.29658590	2.2269085	21	3 14.1	20.9
338274 2002 TM_{303}	17.1	X	283.54579	172.81015	178.81714	8.03933	0.1008550	0.19750439	2.9202378	21	6 10.2	21.2
338275 2002 TM_{307}	18.0	X	315.04283	167.78310	106.96729	5.56523	0.1754817	0.29680733	2.2258008	21	3 21.1	20.5
338276 2002 TZ_{309}	16.1	X	302.35811	346.69505	50.89874	13.73436	0.1109925	0.20367047	2.8609966	21	9 13.7	19.9
338277 2002 TC_{323}	16.8	X	301.38730	328.70419	15.95432	2.18670	0.0516499	0.19931539	2.9025218	21	7 2.4	20.7
338278 2002 TQ_{327}	17.1	X	293.43359	343.58429	18.89443	11.72919	0.0690550	0.20000308	2.8958647	21	7 15.1	21.2
338279 2002 TQ_{328}	16.8	X	104.80314	354.09192	181.39548	11.22795	0.0293429	0.19724843	2.9227635	21	7 4.7	21.1
338280 2002 TG_{345}	16.3	X	143.80629	136.79133	47.64517	15.87267	0.0817669	0.20169362	2.8796604	21	9 16.1	20.9
338281 2002 TS_{352}	18.3	X	233.34414	162.31670	215.47498	6.04928	0.1241447	0.29923111	2.2137652	21	5 7.0	21.2
338282 2002 TB_{367}	18.0	X	64.05643	67.87815	133.17764	6.66868	0.1245352	0.29820941	2.2188187	21	6 28.4	20.2
338283 2002 TQ_{379}	17.9	X	57.61730	220.97407	12.22399	3.48153	0.1076218	0.30518093	2.1848978	21	8 5.9	20.0
338284 2002 TW_{381}	18.3	X	269.60390	252.72272	41.70998	22.08802	0.0639725	0.39512536	1.8392727	21	2 28.7	20.9
338285 2002 TC_{383}	17.5	X	216.88463	316.50116	26.08084	8.51090	0.1508348	0.28937589	2.2637466	21	3 7.7	21.0
338286 2002 UT_{8}	15.7	X	56.19755	232.52262	100.92808	13.52187	0.2571509	0.21317647	2.7752996	21	12 26.6	19.8
338287 2002 UB_{10}	17.2	X	247.60665	269.74391	36.59422	8.06387	0.1308826	0.28943731	2.2634264	21	2 20.5	20.6
338288 2002 UG_{13}	15.7	X	224.92971	254.48352	155.48510	9.33888	0.2402890	0.19244550	2.9711930	21	6 7.4	20.9
338289 2002 UD_{17}	17.5	X	97.96552	188.65179	225.33663	22.27228	0.0868578	0.38494005	1.8715754	21	—	—
338290 2002 UJ_{23}	17.3	X	144.63625	100.09624	317.91785	17.26728	0.1723587	0.39391637	1.8430341	21	3 10.1	19.4
338291 2002 UJ_{27}	17.6	X	241.44493	149.75579	245.98787	4.25248	0.1483694	0.29914010	2.2142142	21	6 7.8	20.5
338292 2002 UA_{31}	19.0	X	227.55396	358.65805	209.31674	30.70480	0.4871345	1.38069713	0.7987369	21	—	—
338293 2002 UZ_{35}	18.0	X	148.01499	95.24130	3.77495	7.80979	0.3428935	0.29123866	2.2540837	21	6 7.7	22.1
338294 2002 UK_{41}	17.4	X	208.41595	266.90855	119.62145	2.97104	0.1708734	0.29264601	2.2468512	21	4 22.9	20.9
338295 2002 US_{45}	15.9	X	195.21157	51.46380	38.19994	13.79239	0.1576061	0.19252195	2.9704065	21	7 2.9	21.0
338296 2002 UO_{57}	17.6	X	206.25949	284.49625	96.01778	6.92186	0.1216049	0.29283982	2.2458597	21	4 15.4	21.0
338297 2002 UR_{64}	18.5	X	268.64565	216.74417	86.85837	0.75775	0.2387431	0.29581700	2.2307657	21	2 25.5	21.8
338298 2002 UY_{66}	17.0	X	274.43249	294.00970	108.74365	3.25164	0.1164615	0.20070775	2.8890826	21	8 2.1	21.0
338299 2002 UQ_{70}	17.9	X	152.93356	63.86892	19.22298	4.97897	0.1044336	0.29441244	2.2378550	21	5 5.8	21.0
338300 2002 UX_{70}	17.8	X	57.76547	248.19224	199.47842	19.66463	0.1217439	0.38219169	1.8805370	21	—	—
338301 2002 UU_{71}	15.7	X	303.44852	106.77242	231.64092	11.01567	0.0677838	0.19461971	2.9490230	21	6 23.6	19.8
338302 2002 UE_{74}	17.1	X	234.78095	114.59108	216.40363	4.93955	0.2250394	0.18661397	3.0327733	21	3 12.3	22.3
338303 2002 UN_{75}	16.7	X	303.93291	169.38551	188.30062	1.61828	0.1163340	0.19811427	2.9142416	21	7 13.9	20.5
338304 2002 US_{75}	17.8	X	196.16415	172.35108	198.50489	3.25815	0.1723471	0.28982727	2.2613956	21	3 20.6	21.2
338305 2002 VO_{3}	15.4	X	176.10461	173.34250	240.11811	17.32240	0.1647975	0.18526387	3.0474896	21	5 1.4	20.5
338306 2002 VC_{9}	15.9	X	207.48161	164.94209	242.23199	9.01297	0.0848696	0.18988144	2.9978809	21	5 25.2	20.5
338307 2002 VO_{10}	15.4	X	244.98357	144.13776	232.20765	9.14067	0.0613718	0.19074951	2.9887787	21	5 30.5	19.7
338308 2002 VB_{17}	17.2	X	165.93797	203.06270	242.28070	8.14334	0.0566908	0.29421474	2.2388574	21	5 22.3	20.0
338309 2002 VR_{17}	17.5	X	241.36189	260.90886	96.70369	5.99173	0.2076131	0.29506244	2.2345673	21	4 15.7	21.1
338310 2002 VA_{28}	17.1	X	146.47354	123.67865	231.45906	17.87943	0.0935612	0.38378230	1.8753374	21	—	—
338311 2002 VJ_{31}	15.7	X	262.60323	127.55607	231.29484	12.20215	0.1904011	0.19129147	2.9831309	21	5 13.1	20.3
338312 2002 VK_{38}	15.2	X	38.71076	309.95587	253.50227	8.57783	0.0283025	0.18772846	3.0207583	21	5 14.5	19.4
338313 2002 VN_{44}	15.6	X	300.61443	289.00247	77.59720	13.28383	0.1503754	0.19765918	2.9187130	21	7 17.0	19.4
338314 2002 VU_{53}	17.6	X	225.22635	292.60304	87.41933	4.07660	0.2437920	0.29554892	2.2321145	21	4 27.3	21.2
338315 2002 VT_{55}	16.0	X	216.88517	34.70354	28.42486	5.68054	0.2617727	0.19129013	2.9831448	21	6 14.1	21.3
338316 2002 VY_{59}	17.0	X	264.09674	112.48168	230.45360	6.01101	0.1788684	0.29597175	2.2299881	21	4 17.1	20.0
338317 2002 VU_{66}	17.0	X	107.97808	92.98556	40.79905	7.24852	0.0824753	0.29171315	2.2516387	21	5 17.2	19.5
338318 2002 VG_{68}	17.6	X	233.92153	263.75427	60.84412	8.08938	0.1441445	0.28899876	2.2657156	21	3 2.2	21.1
338319 2002 VO_{77}	15.6	X	180.96328	179.40552	218.63860	13.28906	0.0964563	0.18318749	3.0704746	21	4 15.9	20.5
338320 2002 VN_{86}	18.1	X	118.92218	169.85101	237.16452	17.10073	0.0726937	0.38740668	1.8636227	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338321 2002 VR_{90}	16.6	X	293.28438	40.18677	348.03716	1.22653	0.0529798	0.19863198	2.9091756	21	8 18.1	20.4
338322 2002 VC_{94}	15.5	X	218.29992	31.36317	48.97957	10.74609	0.0838180	0.19226422	2.9730605	21	7 20.1	20.1
338323 2002 VV_{98}	17.1	X	301.88152	100.84319	218.27150	3.18040	0.1503937	0.29880032	2.2158925	21	5 6.8	19.2
338324 2002 VL_{102}	17.3	X	158.24843	15.96769	31.68914	7.05281	0.1167765	0.28769936	2.2725326	21	3 29.3	20.3
338325 2002 VZ_{110}	15.5	X	313.21927	81.59802	264.54998	10.57292	0.2065544	0.19969110	2.8988801	21	6 28.8	18.8
338326 2002 VN_{120}	15.5	X	237.34353	32.86465	27.58115	11.91699	0.1355670	0.19376224	2.9577170	21	7 10.5	20.2
338327 2002 VD_{124}	15.4	X	47.97079	270.52497	239.85776	15.13974	0.2094072	0.17616420	3.1515506	21	4 5.0	19.2
338328 2002 VQ_{127}	15.4	X	145.96452	105.89064	328.10630	13.63679	0.2094324	0.18209260	3.0827705	21	4 27.3	20.7
338329 2002 VT_{128}	16.4	X	128.03024	72.99939	211.46214	7.27329	0.1476334	0.21736929	2.7394955	21	12 25.2	20.9
338330 2002 VT_{131}	16.5	X	206.72368	24.37721	46.82901	9.16766	0.1610717	0.19152510	2.9807045	21	6 19.6	21.4
338331 2002 VD_{132}	15.9	X	235.62423	302.07525	56.29791	10.67883	0.1037125	0.18637859	3.0353262	21	4 25.7	20.6
338332 2002 VY_{138}	15.5	X	24.29395	277.55318	247.90961	21.70149	0.0089804	0.17919909	3.1158666	21	2 27.1	20.3
338333 2002 VQ_{141}	12.9	X	322.59191	61.59234	235.86907	23.36413	0.0947979	0.08364372	5.1782200	21	5 30.6	19.4
338334 2002 VH_{142}	17.8	X	80.51090	294.66819	190.84740	4.49203	0.1138930	0.28569641	2.2831416	21	3 30.5	20.0
338335 2002 WA_{1}	18.4	X	151.66920	354.62130	62.41710	21.88623	0.1283426	0.39317886	1.8453381	21	4 4.9	20.9
338336 2002 WB_{1}	17.2	X	173.99004	75.29097	15.11609	7.68292	0.3338395	0.29035012	2.2586800	21	6 14.7	21.5
338337 2002 WP_{3}	16.1	X	210.68261	334.15918	70.35749	14.85259	0.1661163	0.18843495	3.0132032	21	5 22.9	21.1
338338 2002 WJ_{7}	15.9	X	197.04784	171.78867	236.32756	5.75486	0.1410051	0.18654140	3.0335598	21	5 14.6	20.9
338339 2002 WG_{8}	16.6	X	174.84374	286.91130	155.81563	2.69143	0.2595722	0.18618065	3.0374772	21	6 7.6	21.9
338340 2002 WZ_{17}	15.8	X	213.09290	161.01506	243.55459	9.55833	0.1155088	0.18829881	3.0146553	21	5 26.5	20.3
338341 2002 WA_{19}	15.5	X	304.96790	284.81987	32.92542	14.38688	0.1911992	0.19244902	2.9711569	21	5 9.1	19.4
338342 2002 WV_{19}	17.7	X	228.85463	138.96834	209.44708	5.34025	0.2255050	0.29145747	2.2529554	21	3 19.5	21.4
338343 2002 WY_{19}	13.1	X	295.93840	91.86808	237.91926	23.31392	0.0207872	0.08293503	5.2076772	21	6 11.5	20.0
338344 2002 WX_{21}	17.4	X	247.86798	32.79526	296.47914	5.47278	0.2047682	0.29114852	2.2545489	21	3 11.2	21.0
338345 2002 WM_{24}	13.5	X	283.63426	96.79217	240.53067	22.60754	0.1019060	0.08391053	5.1672371	21	5 27.4	20.2
338346 2002 XV_{2}	16.0	X	246.13379	262.09490	137.47048	5.57084	0.2570693	0.19276636	2.9678951	21	6 10.6	20.9
338347 2002 XG_{4}	18.3	X	141.69305	238.19585	259.42034	21.00672	0.4792400	0.28872368	2.2671545	21	7 21.7	23.2
338348 2002 XY_{11}	17.5	X	164.50990	24.03418	351.04299	6.47170	0.2536152	0.28475039	2.2881957	21	3 3.9	21.2
338349 2002 XR_{15}	15.6	X	278.81149	52.97073	311.52980	11.05269	0.1961388	0.19528339	2.9423377	21	6 5.6	19.9
338350 2002 XF_{17}	16.1	X	236.90492	52.77015	7.44630	9.53204	0.2901954	0.19176122	2.9782572	21	6 25.0	21.3
338351 2002 XH_{19}	17.7	X	164.02468	125.53109	274.49596	6.02141	0.1685046	0.28743153	2.2739441	21	3 24.6	21.2
338352 2002 XZ_{22}	17.3	X	115.17908	46.91445	53.40393	5.29706	0.1724714	0.28568218	2.2832175	21	4 25.2	20.3
338353 2002 XE_{24}	16.3	X	202.69339	22.21318	80.05283	6.80922	0.1879078	0.19096626	2.9865167	21	7 24.6	21.3
338354 2002 XX_{27}	17.0	X	157.60857	29.12428	73.75246	9.53478	0.1186199	0.29233264	2.2484566	21	6 9.9	20.1
338355 2002 XV_{31}	17.6	X	160.15698	98.13282	320.55012	3.04022	0.2049090	0.28766235	2.2727275	21	4 18.7	21.1
338356 2002 XJ_{35}	16.4	X	231.09215	351.72615	38.57416	3.59936	0.2734557	0.19062170	2.9901145	21	5 16.2	21.4
338357 2002 XA_{39}	15.5	X	203.21282	334.85736	105.86319	13.27929	0.3275722	0.18714870	3.0269936	21	6 24.0	21.2
338358 2002 XB_{41}	15.0	X	192.87040	269.75340	72.26552	16.49318	0.2512185	0.17847205	3.1243228	21	3 3.8	20.8
338359 2002 XD_{48}	16.0	X	158.68843	184.48414	259.48267	2.91580	0.2064489	0.18336747	3.0684651	21	5 25.6	21.2
338360 2002 XO_{50}	15.7	X	257.28455	291.26305	78.49252	12.01272	0.1348544	0.19001440	2.9964822	21	5 28.4	20.1
338361 2002 XL_{59}	17.1	X	254.99703	333.28972	81.50120	5.41270	0.1607057	0.29994410	2.2102556	21	7 20.5	19.9
338362 2002 XP_{63}	16.1	X	212.85893	350.35279	73.45866	12.24922	0.2538669	0.18891187	3.0081296	21	6 12.3	21.4
338363 2002 XV_{73}	15.6	X	214.80665	23.82316	64.04812	10.30001	0.2011946	0.19141253	2.9818730	21	7 17.1	20.6
338364 2002 XH_{98}	17.3	X	139.41143	206.46073	230.67384	6.89594	0.1081807	0.28755992	2.2732672	21	4 11.7	20.3
338365 2002 XJ_{98}	17.4	X	128.31495	181.00494	262.51818	2.95146	0.1085015	0.28647212	2.2790183	21	4 6.8	20.2
338366 2002 XJ_{99}	16.1	X	229.06289	341.65193	79.63842	12.96859	0.2085669	0.19185858	2.9772495	21	6 25.1	20.9
338367 2002 XR_{106}	17.1	X	162.07402	9.81852	69.10067	6.34089	0.0534352	0.28965511	2.2622916	21	5 9.3	19.9
338368 2002 XO_{118}	17.3	X	34.12388	300.33079	228.66001	8.60822	0.1535293	0.28340459	2.2954339	21	3 6.9	19.5
338369 2002 XQ_{118}	17.6	X	221.10836	163.99101	237.74672	5.88974	0.1212188	0.29533721	2.2331811	21	5 26.6	20.5
338370 2002 XW_{118}	17.4	X	235.96470	95.44520	225.61649	5.14646	0.1988856	0.28840186	2.2688408	21	2 19.5	21.1
338371 2002 XO_{119}	16.4	X	210.63526	256.71007	157.55543	4.64974	0.1757218	0.18895319	3.0076911	21	6 3.2	21.4
338372 2002 XM_{120}	13.5	X	306.95369	235.54144	94.36295	10.81770	0.0876126	0.08435082	5.1492405	21	6 18.2	20.1
338373 Fonóalbert	15.8	X	160.91847	351.73233	103.85290	15.34679	0.0698401	0.18226121	3.0808688	21	6 6.9	20.5
338374 2002 YB_{5}	15.8	X	228.34573	39.75915	34.47002	20.02606	0.2759724	0.18988886	2.9978028	21	7 7.1	21.3
338375 2002 YK_{8}	16.9	X	174.45515	328.02195	92.35171	9.60070	0.1462405	0.28893551	2.2660463	21	5 6.3	20.4
338376 2002 YR_{9}	16.9	X	128.10244	168.45499	262.67804	2.98160	0.1314448	0.28188399	2.3036816	21	3 24.0	19.9
338377 2002 YR_{14}	16.0	X	147.07396	344.08003	105.68614	6.10559	0.1811705	0.17919442	3.1159207	21	5 22.8	21.1
338378 2002 YM_{21}	17.0	X	134.48134	206.09220	275.69738	4.69216	0.1166353	0.29005536	2.2602100	21	6 9.5	20.0
338379 2002 YD_{22}	15.3	X	193.44887	110.64551	277.39133	19.90972	0.1973127	0.18149451	3.0895393	21	4 9.6	20.9
338380 2002 YD_{27}	16.3	X	228.36972	316.34381	103.19314	6.59353	0.2245616	0.18909568	3.0061800	21	6 21.7	21.3
338381 2002 YD_{30}	15.8	X	125.18994	353.64099	114.09608	3.92648	0.1490547	0.17920318	3.1158192	21	5 20.5	20.5
338382 2002 YO_{34}	15.8	X	143.73330	32.94397	97.17214	11.61625	0.1024566	0.18337116	3.0684239	21	7 1.5	20.5
338383 2002 YU_{36}	16.3	X	258.94006	103.56185	260.98083	11.55419	0.1995688	0.19154014	2.9805484	21	5 14.4	21.1
338384 2003 AA_{1}	15.3	X	39.70011	265.34010	286.15267	12.47766	0.2224312	0.17196027	3.2027077	21	5 20.4	19.0
338385 2003 AL_{1}	16.9	X	167.87761	263.83804	134.13926	10.28526	0.1898762	0.28381807	2.2932040	21	4 4.1	20.6
338386 2003 AJ_{4}	18.0	X	135.76671	91.38816	345.25815	2.05567	0.2345623	0.28463829	2.2887964	21	4 22.3	21.4
338387 2003 AL_{5}	16.7	X	184.82431	68.86288	293.35238	10.81188	0.1835503	0.28165657	2.3049214	21	2 24.7	20.6
338388 2003 AA_{14}	15.4	X	194.48892	315.78848	122.04724	13.07175	0.3037304	0.18394352	3.0620555	21	6 16.3	21.1
338389 2003 AW_{21}	16.6	X	142.94104	75.94225	335.54278	6.00810	0.1092273	0.28062447	2.3105694	21	3 13.4	19.7
338390 2003 AP_{33}	16.9	X	345.10534	94.61181	109.99994	7.33725	0.1197585	0.27669470	2.3323953	21	2 5.8	19.3
338391 2003 AN_{40}	17.1	X	107.48384	186.02432	268.66844	7.08647	0.2484377	0.28057856	2.3108215	21	4 15.3	20.3
338392 2003 AO_{40}	16.8	X	143.57542	176.35404	251.91219	5.53237	0.2449772	0.28327302	2.2961446	21	4 19.0	20.4
338393 2003 AG_{52}	15.6	X	156.29388	128.51512	333.54688	5.38813	0.0814140	0.18135204	3.0911572	21	6 7.9	20.3
338394 2003 AV_{53}	16.0	X	308.26403	327.26796	89.62673	9.48718	0.3168187	0.19997499	2.8961358	21	9 16.6	19.0
338395 2003 AL_{61}	15.3	X	96.91625	246.29833	280.12930	24.99179	0.1926823	0.17920450	3.1158039	21	7 5.9	19.8
338396 2003 AG_{67}	15.3	X	152.23494	35.69398	80.22762	13.38224	0.2328971	0.18103228	3.0947960	21	6 28.8	20.6
338397 2003 AW_{77}	15.9	X	221.59238	58.01160	22.58918	10.44954	0.3595289	0.18944876	3.0024437	21	7 5.1	21.5
338398 2003 AS_{86}	15.5	X	191.30375	1.35011	117.30752	13.41623	0.1980444	0.18970017	2.9997904	21	8 3.1	20.6
338399 2003 AP_{90}	17.0	X	164.56410	322.55458	77.49022	7.11455	0.1942140	0.28425757	2.2908396	21	4 3.5	20.6
338400 2003 BK	16.1	X	101.15775	2.94556	122.79995	2.50675	0.1051980	0.17546704	3.1598929	21	5 10.5	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338401 2003 BZ_4	15.5	X	191.43658	113.42374	281.26346	11.14173	0.1267924	0.17630164	3.1499124	21	4 19.7	20.7
338402 2003 BH_6	15.3	X	156.38247	317.41988	132.57458	18.29154	0.1959222	0.17921754	3.1156527	21	6 3.8	20.8
338403 2003 BJ_{11}	17.1	X	32.01015	61.18799	89.51293	1.56804	0.1557289	0.27390443	2.3482086	21	2 8.8	18.9
338404 2003 BK_{14}	17.0	X	83.65785	199.02031	252.25868	4.83428	0.0918593	0.27547047	2.3393005	21	2 10.2	19.6
338405 2003 BB_{19}	15.2	X	153.14444	143.87715	316.76094	22.67259	0.1545396	0.17980674	3.1088426	21	6 7.7	20.6
338406 2003 BG_{21}	17.1	X	269.36795	64.11078	127.53197	25.49459	0.0763485	0.36997160	1.9217215	21	—	—
338407 2003 BS_{21}	17.3	X	116.31974	255.60586	129.90994	22.73245	0.0922877	0.37831464	1.8933633	21	—	—
338408 2003 BL_{28}	14.9	X	119.99487	145.37133	320.91044	22.37335	0.2265269	0.17388600	3.1790179	21	5 14.2	20.4
338409 2003 BQ_{29}	15.4	X	196.80346	91.55312	299.75929	10.88161	0.1523137	0.17860889	3.1227269	21	4 19.8	20.7
338410 2003 BB_{32}	17.3	X	166.95667	98.66111	301.38629	6.06754	0.2584651	0.28352692	2.2947736	21	4 2.7	21.3
338411 2003 BH_{33}	15.4	X	113.70770	228.16199	260.56426	9.49971	0.2233684	0.17693600	3.1423792	21	6 10.7	20.3
338412 2003 BD_{41}	17.2	X	167.46938	219.60275	138.62493	5.06665	0.0095463	0.27303183	2.3532091	21	1 21.6	20.1
338413 2003 BL_{48}	16.2	X	156.46205	295.06039	193.01047	1.24204	0.1996681	0.18204765	3.0832778	21	7 15.7	21.2
338414 2003 BA_{50}	17.6	X	119.93755	176.00698	280.19485	5.74397	0.2008967	0.28243115	2.3007052	21	4 26.3	20.7
338415 2003 BD_{50}	17.5	X	48.61895	347.95466	159.05440	3.01577	0.1654198	0.27684360	2.3315589	21	3 11.1	19.2
338416 2003 BH_{57}	16.4	X	191.70729	271.99183	169.88970	1.32568	0.2467086	0.18483088	3.0522471	21	6 18.7	21.7
338417 2003 BY_{59}	15.6	X	76.76491	45.84762	126.33811	15.22432	0.2245057	0.17361190	3.1823630	21	6 25.5	20.1
338418 2003 BC_{60}	15.3	X	139.51925	133.62194	354.21829	16.77639	0.1879606	0.17877837	3.1207531	21	7 2.8	20.7
338419 2003 BR_{60}	17.3	X	133.81486	197.81963	247.52694	1.79081	0.1449469	0.28190274	2.3035794	21	4 22.4	20.4
338420 2003 BQ_{62}	16.0	X	98.36327	165.93973	352.93327	8.78376	0.1835198	0.17723722	3.1388178	21	6 28.3	20.8
338421 2003 BV_{64}	17.3	X	345.50607	37.98815	117.18080	3.51206	0.1640070	0.26785693	2.3834212	21	—	—
338422 2003 BT_{77}	17.2	X	124.47589	122.93750	330.19956	6.24088	0.1372353	0.28158040	2.3053371	21	4 18.2	20.3
338423 2003 BZ_{84}	15.3	X	154.74154	117.47161	0.36543	8.61115	0.1011233	0.18155388	3.0888657	21	6 28.2	20.2
338424 2003 BX_{90}	16.2	X	176.11181	21.05839	90.70129	14.14086	0.2152053	0.18459867	3.0548063	21	7 12.7	21.5
338425 2003 CM_1	15.5	X	121.67360	128.77566	355.57862	27.51174	0.2531471	0.17616099	3.1515888	21	6 13.0	21.2
338426 2003 CO_2	17.4	X	58.69647	133.57883	322.13822	18.78112	0.1135372	0.37741470	1.8963719	21	—	—
338427 2003 CV_4	15.8	X	99.87210	154.27628	324.81311	15.44426	0.1906519	0.17481148	3.1677878	21	5 5.3	20.8
338428 2003 CA_8	16.4	X	27.59774	193.89230	344.90187	12.16261	0.0933976	0.27507785	2.3415259	21	3 14.2	18.8
338429 2003 CB_{10}	15.6	X	120.06983	343.47734	156.35924	11.46124	0.0988098	0.17867177	3.1219942	21	6 18.4	20.4
338430 2003 CZ_{13}	16.2	X	120.96852	120.74024	12.47554	0.88821	0.1414264	0.17734387	3.1375592	21	6 14.9	21.1
338431 2003 CP_{14}	17.4	X	58.86085	326.14463	152.24688	7.18089	0.1496533	0.27436103	2.3456026	21	2 14.4	19.5
338432 2003 CU_{17}	17.1	X	38.31526	198.53769	284.97128	4.50824	0.1229531	0.27162993	2.3612989	21	1 12.2	19.3
338433 2003 CK_{25}	15.2	X	135.77262	55.31710	75.32177	14.61037	0.1589951	0.17800204	3.1298202	21	6 27.8	20.2
338434 2003 CN_{25}	16.9	X	313.50153	50.06377	163.82870	11.19302	0.1865122	0.26736236	2.3863595	21	—	—
338435 2003 CC_{26}	17.3	X	101.64986	128.66377	355.00333	7.10905	0.1019260	0.28136867	2.3064934	21	4 25.6	20.2
338436 2003 DR_9	16.5	X	288.79733	53.21753	159.25665	6.62179	0.0874301	0.26257482	2.4152791	21	—	—
338437 2003 DF_{17}	15.4	X	187.96578	107.19012	314.01332	10.05572	0.0789275	0.17789906	3.1310279	21	5 20.2	20.3
338438 2003 EH_{15}	16.5	X	309.13739	227.91072	308.76843	5.87364	0.0917658	0.26291615	2.4131883	21	—	—
338439 2003 ER_{15}	17.4	X	334.81254	256.63031	267.90821	3.82828	0.1833142	0.26439601	2.4041752	21	—	—
338440 2003 EA_{18}	15.9	X	122.97368	138.82035	351.53664	10.05710	0.1737745	0.17624227	3.1506198	21	6 16.4	21.0
338441 2003 EO_{31}	16.0	X	61.79690	266.09876	238.65138	5.63570	0.2264782	0.16930779	3.2360714	21	4 28.6	19.9
338442 2003 EQ_{33}	17.6	X	205.89946	90.34469	161.44923	5.18960	0.1126027	0.25698059	2.4502054	21	—	—
338443 2003 EU_{40}	15.1	X	68.43897	41.71638	113.94945	15.64741	0.1128668	0.17082689	3.2168580	21	5 12.4	19.7
338444 2003 ED_{41}	15.9	X	91.31461	124.46016	36.50192	14.61066	0.2272637	0.17389545	3.1789028	21	6 27.7	20.8
338445 2003 ET_{47}	16.7	X	86.45023	275.15172	337.75913	26.79261	0.4265348	0.23323668	2.6137947	21	10 21.3	22.0
338446 2003 EV_{47}	17.3	X	69.98894	246.16365	166.40288	24.59586	0.1194439	0.37157604	1.9161856	21	—	—
338447 2003 ER_{49}	16.8	X	271.38667	243.12699	14.82915	7.72344	0.0876256	0.26706105	2.3881541	21	1 20.1	20.2
338448 2003 EX_{49}	17.2	X	65.67232	334.30300	130.27739	6.89261	0.1162052	0.27130328	2.3631939	21	2 5.1	19.2
338449 2003 EY_{50}	17.6	X	155.64847	251.52786	17.82190	19.87872	0.0821262	0.35670994	1.9690613	21	—	—
338450 2003 EG_{55}	16.3	X	288.71515	264.54377	32.37489	10.74610	0.0557924	0.17345842	3.1842400	21	4 16.1	20.6
338451 2003 EO_{62}	16.4	X	277.39991	47.00400	155.63367	14.17569	0.1386436	0.25726202	2.4484182	21	—	—
338452 2003 FO_2	17.2	X	54.74311	113.06523	48.66863	8.79532	0.1385721	0.27478590	2.3431841	21	4 16.3	19.3
338453 2003 FY_3	17.3	X	335.46237	134.74992	4.85704	22.31713	0.1325659	0.36906823	1.9248561	21	—	—
338454 2003 FE_5	15.8	X	123.70825	197.27633	273.43090	4.79318	0.1477560	0.17449131	3.1716616	21	5 21.2	20.6
338455 2003 FS_5	16.6	X	91.54789	275.30219	356.76951	11.37389	0.2891614	0.23676839	2.5877376	21	11 17.6	21.2
338456 2003 FO_8	17.5	X	289.76502	210.25190	353.17185	19.89617	0.0521035	0.36980504	1.9222985	21	—	—
338457 2003 FG_{13}	15.8	X	157.33322	94.47305	348.36120	8.81982	0.2478196	0.17528466	3.1620843	21	5 23.1	21.4
338458 2003 FE_{20}	16.7	X	287.11535	156.36964	30.63716	11.27925	0.1659477	0.26057882	2.4275973	21	—	—
338459 2003 FO_{26}	17.3	X	33.30581	349.97134	129.77164	2.84889	0.1516920	0.26726061	2.3869651	21	—	—
338460 2003 FL_{27}	17.1	X	351.31903	294.41768	203.27282	3.12598	0.1236988	0.26279448	2.4139330	21	—	—
338461 2003 FE_{34}	17.4	X	68.36924	308.91290	163.65987	1.99072	0.1727460	0.27174206	2.3606493	21	2 28.5	19.3
338462 2003 FS_{48}	17.7	X	56.45798	309.68810	197.57233	0.94122	0.2601411	0.27413000	2.3469203	21	4 12.9	19.2
338463 2003 FX_{60}	15.7	X	272.81310	356.34372	31.08126	11.58663	0.0066073	0.17934499	3.1141764	21	7 30.4	20.3
338464 2003 FP_{63}	16.9	X	3.58471	62.41382	80.64995	5.74514	0.1264834	0.26510528	2.3998852	21	—	—
338465 2003 FV_{67}	16.9	X	57.43299	145.82283	17.19991	23.36898	0.1945828	0.27607242	2.3358989	21	4 22.5	19.1
338466 2003 FT_{68}	17.0	X	46.00129	112.20238	47.84067	5.37704	0.0880528	0.27271093	2.3550548	21	3 23.9	19.4
338467 2003 FX_{69}	17.1	X	58.70333	348.73001	150.42675	7.35320	0.2117043	0.27370993	2.3493209	21	3 30.2	18.9
338468 2003 FP_{75}	15.6	X	143.31803	302.86513	165.62553	10.37047	0.2022325	0.17695946	3.1421013	21	6 12.2	20.9
338469 2003 FY_{76}	17.3	X	272.05809	177.63325	21.54140	1.65648	0.1284623	0.25923883	2.4359555	21	—	—
338470 2003 FC_{83}	16.7	X	350.51195	88.98397	102.69994	4.89328	0.1635071	0.26739689	2.3861541	21	1 21.8	19.2
338471 2003 FV_{86}	16.6	X	114.94843	323.53190	297.22975	4.73694	0.2503499	0.24017421	2.5632156	21	11 22.8	21.0
338472 2003 FU_{101}	17.2	X	47.65176	99.83597	18.60932	4.98392	0.1506502	0.26900275	2.3766482	21	1 26.1	19.2
338473 2003 FG_{112}	15.8	X	173.76324	97.76542	351.62886	12.97275	0.2282116	0.17747517	3.1360116	21	6 13.2	21.4
338474 2003 FR_{127}	15.7	X	141.21170	92.06279	15.03777	14.63031	0.2922302	0.17576296	3.1563451	21	6 11.1	21.4
338475 2003 FF_{131}	17.5	X	3.60547	110.93627	83.94462	1.78548	0.1554194	0.27125257	2.3634884	21	2 19.5	19.6
338476 2003 GF_{40}	16.9	X	283.86554	157.65091	60.08696	5.86529	0.1078641	0.26219609	2.4176044	21	—	—
338477 2003 GQ_{49}	17.0	X	294.31055	77.81660	116.33647	3.60533	0.0620700	0.25906828	2.4370245	21	—	—
338478 2003 GS_{53}	17.7	X	291.86687	332.85061	185.61660	21.73392	0.0680358	0.36493848	1.9393504	21	—	—
338479 2003 HO	17.4	X	309.40844	344.79741	230.41944	1.80157	0.1415422	0.26418880	2.4054322	21	—	—
338480 2003 HD_2	17.9	X	25.97461	68.74664	44.55102	21.70539	0.0848382	0.36930992	1.9240162	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338481 2003 HA_4	17.1	X	290.96100	171.73369	29.78140	4.97246	0.1317447	0.25881734	2.4385994	21	—	—
338482 2003 HH_4	15.5	X	68.34840	133.80439	26.86068	14.81920	0.2124685	0.16776522	3.2558778	21	5 24.2	19.9
338483 2003 HY_{10}	17.7	X	36.51302	212.15392	199.66645	21.87393	0.0957282	0.36343492	1.9446955	21	—	—
338484 2003 HO_{14}	17.0	X	192.05412	162.48392	78.92425	23.87062	0.0539319	0.35647862	1.9699130	21	—	—
338485 2003 HU_{38}	17.3	X	213.52043	219.15902	46.12992	2.63722	0.1781480	0.25389983	2.4699857	21	—	—
338486 2003 HY_{38}	16.9	X	304.87288	4.66721	224.44211	9.76360	0.1991933	0.26350918	2.4095663	21	1 4.8	20.6
338487 2003 HZ_{38}	16.4	X	134.78053	207.59909	36.77253	13.24205	0.1152738	0.24007726	2.5639056	21	11 14.7	20.3
338488 2003 HF_{43}	16.9	X	146.64231	208.83133	39.39619	7.74307	0.1646816	0.24208062	2.5497408	21	12 1.8	21.2
338489 2003 JZ_4	15.1	X	121.81287	105.47777	37.08144	26.22164	0.2913919	0.17487083	3.1670710	21	7 12.9	20.9
338490 2003 KS_{12}	17.0	X	117.95778	102.45934	194.39440	7.96192	0.1927402	0.24263673	2.5458434	21	—	—
338491 2003 KA_{19}	16.7	X	29.50594	96.56589	203.13379	11.86181	0.3387952	0.22326310	2.6910685	21	10 27.4	19.6
338492 2003 KC_{31}	18.2	X	53.82034	111.68514	189.91542	12.45696	0.2819269	0.23133624	2.6280902	21	11 23.1	22.1
338493 2003 LL_9	17.0	X	7.39479	178.26118	150.83750	7.79501	0.2910570	0.22333760	2.6904700	21	10 20.4	19.3
338494 2003 MD_6	15.4	X	73.87779	112.44980	255.09904	13.84179	0.1256346	0.23938067	2.5688771	21	—	—
338495 2003 NU_1	16.2	X	64.48468	168.39659	119.70454	12.84050	0.2276533	0.22798217	2.6538037	21	11 13.5	20.3
338496 2003 NJ_{12}	16.4	X	3.04366	228.36711	151.33060	7.10808	0.1872598	0.22791812	2.6543009	21	12 7.3	19.3
338497 2003 OC_{12}	16.6	X	114.12456	72.42652	222.00080	12.39244	0.1979885	0.23549100	2.5970871	21	12 28.4	21.1
338498 2003 OD_{14}	17.0	X	42.45956	82.84675	237.86854	11.55923	0.2876141	0.22696596	2.6617192	21	12 2.8	20.5
338499 2003 OT_{14}	16.4	X	12.19893	109.50112	242.08969	11.71554	0.2118235	0.22490306	2.6779706	21	11 15.9	19.1
338500 2003 OO_{16}	16.2	X	86.84575	54.08469	240.40776	11.50784	0.1237429	0.23139365	2.6276555	21	11 28.9	20.1
338501 2003 OW_{24}	16.2	X	179.37099	331.89373	294.05555	11.34494	0.0595705	0.24142830	2.5543315	21	—	—
338502 2003 PJ_9	15.9	X	346.08199	81.73952	310.39914	13.24235	0.1436104	0.22587615	2.6702738	21	11 11.9	19.1
338503 2003 PO_{11}	16.3	X	63.76124	121.98130	193.67013	13.28115	0.2087434	0.22966837	2.6407985	21	12 10.4	20.4
338504 2003 PW_{11}	16.3	X	65.34471	29.63409	273.23656	12.49240	0.2577430	0.22907604	2.6453488	21	12 1.0	20.5
338505 2003 PB_{12}	16.6	X	65.13052	23.97650	278.98435	5.06684	0.1834807	0.22837994	2.6507214	21	11 21.7	20.5
338506 2003 QO_5	16.3	X	34.79665	45.63525	327.52288	11.02197	0.1937200	0.23070977	2.6328456	21	—	—
338507 2003 QV_7	16.8	X	56.91454	329.57316	344.29251	4.55364	0.2429290	0.22777055	2.6554472	21	12 3.5	20.7
338508 2003 QS_{14}	16.7	X	87.75776	79.06807	198.11381	12.17610	0.2630975	0.22890770	2.6466456	21	11 22.5	21.2
338509 2003 QN_{17}	16.6	X	355.22949	345.16755	19.76248	2.78869	0.2842846	0.22291018	2.6939081	21	11 9.5	18.7
338510 2003 QY_{21}	16.6	X	72.06085	342.79431	302.86065	7.36499	0.2695995	0.22736829	2.6585783	21	11 16.1	20.8
338511 2003 QS_{22}	17.2	X	33.68562	123.86694	177.24780	9.28520	0.3140079	0.22310303	2.6923555	21	11 1.8	20.5
338512 2003 QL_{29}	16.0	X	244.76211	2.00103	178.14775	13.62930	0.0119317	0.23637346	2.5906191	21	—	—
338513 2003 QD_{32}	16.8	X	2.48257	181.07843	163.88474	4.92540	0.1951470	0.22245961	2.6975444	21	10 17.6	19.3
338514 2003 QR_{41}	16.2	X	70.03734	310.01371	350.18704	11.11976	0.2713017	0.22749272	2.6576088	21	12 1.5	20.6
338515 2003 QU_{48}	16.3	X	319.16659	352.21554	359.52304	15.43455	0.3180177	0.21570657	2.7535552	21	6 30.9	19.5
338516 2003 QT_{49}	16.1	X	27.72384	350.42008	342.18005	13.57712	0.1825183	0.22547526	2.6734380	21	11 5.5	19.6
338517 2003 QP_{53}	16.2	X	73.78290	338.77641	345.65949	12.62724	0.1743551	0.23084543	2.6318140	21	12 28.2	20.4
338518 2003 QG_{60}	16.6	X	32.42252	171.16814	154.10359	6.88348	0.2279516	0.22361220	2.6882669	21	11 17.9	20.0
338519 2003 QE_{61}	16.8	X	21.80265	160.57190	163.04390	17.35809	0.2908187	0.22199743	2.7012872	21	11 11.7	20.1
338520 2003 QN_{66}	16.2	X	358.24147	251.53521	143.75423	13.11360	0.1891355	0.22801082	2.6535813	21	12 20.5	19.2
338521 2003 QV_{81}	16.2	X	347.56975	237.38631	137.60409	12.99400	0.1793699	0.22420747	2.6835066	21	11 2.7	19.1
338522 2003 QS_{85}	16.4	X	312.74820	76.24063	307.15222	7.27666	0.2196593	0.21686019	2.7437813	21	8 18.7	19.2
338523 2003 QR_{89}	16.2	X	55.04140	304.82481	309.98166	17.69862	0.4089565	0.22275851	2.6951308	21	9 30.9	20.5
338524 2003 QB_{97}	17.4	X	109.40189	294.49706	326.73995	1.40848	0.2490202	0.23015539	2.6370718	21	11 18.5	21.9
338525 2003 QX_{108}	16.2	X	20.04531	188.01904	123.67723	9.08823	0.1808293	0.22182357	2.7026984	21	10 4.6	19.3
338526 2003 QD_{115}	16.4	X	31.62071	84.30355	216.52822	13.51080	0.0612903	0.22200916	2.7011920	21	9 13.2	20.0
338527 2003 QH_{115}	16.9	X	36.51828	109.51386	194.05417	12.15728	0.2722611	0.22274570	2.6952341	21	11 1.6	20.2
338528 2003 RG_2	16.3	X	348.88644	9.45958	359.58529	18.52745	0.3505026	0.22194657	2.7016998	21	10 27.8	18.1
338529 2003 RO_{14}	16.1	X	353.52021	39.94670	311.05970	8.58152	0.2519086	0.22028211	2.7152922	21	10 3.9	18.4
338530 2003 RO_{16}	16.5	X	54.01280	302.20096	333.32564	9.51929	0.2356447	0.22204140	2.7009305	21	10 7.9	20.2
338531 2003 RX_{16}	17.0	X	110.94850	100.02265	201.44833	3.37524	0.2347257	0.23404118	2.6078015	21	—	—
338532 2003 RO_{19}	16.9	X	113.05747	346.19780	311.30442	3.98956	0.2380345	0.23380270	2.6095745	21	—	—
338533 2003 RJ_{22}	15.8	X	356.74943	58.88902	309.29967	15.01097	0.1837015	0.22249534	2.6972556	21	10 29.1	19.0
338534 2003 RJ_{23}	16.2	X	291.22117	205.43367	216.28766	9.16424	0.2692811	0.21730940	2.7399988	21	8 23.9	19.8
338535 2003 RC_{25}	15.5	X	320.86003	124.90919	262.68111	9.91365	0.0610594	0.22042068	2.7141540	21	9 22.1	19.2
338536 2003 RH_{25}	16.1	X	11.99544	61.82408	258.86916	10.29169	0.1744161	0.22025760	2.7154936	21	9 20.5	19.2
338537 2003 SX_4	16.1	X	359.60614	150.57311	216.03886	10.18767	0.1177812	0.22170566	2.7036566	21	11 2.5	18.9
338538 2003 SW_7	16.2	X	85.93253	123.58091	188.39898	13.79145	0.1044000	0.22938103	2.6430034	21	12 17.2	20.3
338539 2003 SD_8	17.3	X	351.66821	157.21946	195.52433	2.60771	0.1219778	0.21907720	2.7252390	21	9 29.4	20.3
338540 2003 SR_{10}	16.9	X	343.92360	71.34849	232.14608	1.74888	0.1646380	0.21212364	2.7844751	21	7 1.8	19.8
338541 2003 SE_{12}	16.8	X	17.99793	12.92048	359.53858	2.14733	0.1978036	0.22655485	2.6649382	21	12 22.4	19.8
338542 2003 SO_{22}	16.1	X	313.16537	168.96727	207.05407	5.52525	0.0481305	0.21404390	2.7677964	21	8 29.7	19.7
338543 2003 SZ_{23}	16.2	X	48.10769	348.09691	356.91183	14.26623	0.1345436	0.22851093	2.6497083	21	12 17.9	20.1
338544 2003 SW_{28}	16.4	X	50.05673	30.36200	310.70480	8.01216	0.0246433	0.22594797	2.6697079	21	11 28.3	20.1
338545 2003 ST_{34}	17.0	X	326.15838	190.27731	207.34849	6.45879	0.1436369	0.22198667	2.7013744	21	10 16.2	19.7
338546 2003 SB_{35}	17.0	X	8.87648	27.42994	351.10129	0.77828	0.1466802	0.22482023	2.6786283	21	12 7.9	20.0
338547 2003 SF_{35}	17.3	X	341.65673	337.69110	55.65029	1.15926	0.0706265	0.22320619	2.6915258	21	11 6.9	20.5
338548 2003 SR_{40}	15.7	X	359.22406	140.88910	218.63330	13.59952	0.2147597	0.22068612	2.7119772	21	11 1.5	18.3
338549 2003 SV_{40}	16.1	X	273.13483	157.79974	248.74562	12.74095	0.1882496	0.21161567	2.7889293	21	7 21.7	20.2
338550 2003 SW_{47}	16.0	X	5.14164	149.74694	197.84235	11.49418	0.1971236	0.22256685	2.6966778	21	10 26.6	18.6
338551 2003 SR_{49}	15.7	X	82.39063	280.10015	355.44748	12.38628	0.1723616	0.22321020	2.6914936	21	10 31.3	19.9
338552 2003 SJ_{53}	15.7	X	350.63981	87.75488	282.20656	12.41530	0.1303044	0.22325830	2.6911071	21	10 17.1	18.9
338553 2003 SK_{53}	17.9	X	55.99926	97.03103	210.59956	10.64067	0.3583103	0.22802939	2.6534373	21	12 9.5	22.2
338554 2003 SD_{57}	16.7	X	18.89266	157.11078	179.73458	14.59177	0.1470728	0.22249949	2.6972221	21	10 31.2	19.9
338555 2003 SJ_{58}	15.8	X	80.85025	16.96307	316.99344	21.55462	0.0616229	0.23229813	2.6208303	21	—	—
338556 2003 SF_{59}	16.5	X	9.62133	79.39842	295.53985	11.11180	0.2067315	0.22595593	2.6696452	21	12 13.6	19.5
338557 2003 SJ_{59}	15.6	X	45.64350	48.91388	279.73259	13.31018	0.1146377	0.22728621	2.6592183	21	11 19.9	19.3
338558 2003 SA_{60}	16.1	X	346.76563	315.17007	15.68248	12.70451	0.1849662	0.21738010	2.7394047	21	8 25.4	18.9
338559 2003 SW_{61}	16.3	X	11.22199	353.14189	11.40497	14.58097	0.2502863	0.22440367	2.6819422	21	12 5.3	19.5
338560 2003 SD_{62}	16.5	X	275.74893	129.79995	250.03827	6.94879	0.1856124	0.21153689	2.7896217	21	6 23.5	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338561 2003 SF_{65}	15.9	X	11.27950	78.52119	268.89934	10.19819	0.0983751	0.22353410	2.6888930	21	10 20.4	19.3
338562 2003 SQ_{65}	17.0	X	52.29871	107.55348	202.96233	12.35584	0.2830222	0.22698271	2.6615882	21	12 1.2	21.0
338563 2003 SH_{71}	16.3	X	348.25837	141.01533	238.95440	7.51475	0.1385053	0.22236710	2.6982925	21	11 1.5	19.3
338564 2003 SR_{73}	16.8	X	22.84412	13.91942	347.54151	5.82642	0.0497649	0.22492790	2.6777735	21	11 21.6	20.4
338565 2003 SN_{81}	15.9	X	21.30317	318.48526	24.32908	13.98124	0.1472774	0.22116713	2.7080437	21	11 6.2	19.1
338566 2003 SW_{81}	16.9	X	20.22874	345.57308	45.08879	3.63969	0.2546335	0.22732371	2.6589258	21	—	—
338567 2003 SJ_{84}	19.4	X	169.81060	307.05573	183.06494	36.66458	0.2836532	0.43011123	1.7381297	21	8 1.2	23.0
338568 2003 SD_{85}	16.4	X	104.51935	43.73648	236.57681	13.14000	0.0986518	0.22799152	2.6537311	21	11 27.4	20.3
338569 2003 ST_{85}	16.4	X	335.98549	141.14125	212.22563	6.50093	0.2539890	0.21633177	2.7482475	21	8 20.6	18.8
338570 2003 SD_{86}	15.7	X	188.63736	220.48418	297.21833	12.92043	0.0186099	0.21809617	2.7334052	21	9 19.4	19.8
338571 2003 SR_{86}	15.5	X	0.05296	92.76888	257.83416	6.93054	0.2130782	0.21974736	2.7196954	21	10 17.7	18.1
338572 2003 SJ_{92}	17.5	X	7.39537	142.94184	213.27081	2.50962	0.0945900	0.22143941	2.7058233	21	10 29.5	20.7
338573 2003 SL_{94}	15.6	X	17.54167	312.10817	10.94045	9.06888	0.1806399	0.21792449	2.7348407	21	10 10.1	18.6
338574 2003 SZ_{104}	15.9	X	257.86759	132.01658	270.93467	8.92097	0.1411980	0.21094862	2.7948055	21	7 8.1	19.9
338575 2003 SV_{107}	16.4	X	15.05648	80.63736	263.22564	4.03578	0.1540858	0.22067051	2.7121051	21	10 31.0	19.5
338576 2003 SK_{108}	15.7	X	48.95725	308.76898	4.76283	14.39863	0.2126150	0.22281572	2.6946694	21	11 15.2	19.6
338577 2003 SS_{111}	16.3	X	337.26217	230.80364	147.69141	14.77654	0.2801443	0.21886135	2.7270306	21	10 14.7	18.5
338578 2003 SU_{111}	17.3	X	337.01033	23.91494	13.22808	6.12826	0.0505459	0.22394172	2.6856292	21	11 3.1	20.5
338579 2003 SB_{112}	15.4	X	352.66557	314.33410	27.16393	14.89973	0.2139037	0.21764640	2.7371697	21	9 25.2	17.9
338580 2003 SX_{120}	15.6	X	317.25199	323.48509	73.31714	11.16071	0.2398946	0.21769936	2.7367257	21	9 24.2	18.4
338581 2003 SE_{121}	17.3	X	8.33607	75.18318	249.97908	4.63113	0.1559144	0.21964662	2.7205270	21	9 21.2	20.3
338582 2003 SJ_{125}	16.3	X	354.43825	119.67305	263.77460	5.06397	0.0465718	0.22248460	2.6973424	21	11 10.4	19.8
338583 2003 SO_{126}	15.9	X	354.69374	171.31941	206.71486	12.07277	0.0837806	0.22224064	2.6993160	21	11 8.1	19.1
338584 2003 SA_{134}	15.7	X	4.23607	77.18178	6.90648	28.20963	0.0584196	0.23399062	2.6081771	21	—	—
338585 2003 SR_{139}	16.5	X	112.46335	192.65602	98.05751	6.61943	0.2084379	0.23202539	2.6228837	21	12 23.9	20.8
338586 2003 ST_{139}	16.3	X	307.37104	232.75113	193.65382	12.94315	0.0712939	0.22204474	2.7009034	21	10 30.6	19.6
338587 2003 SZ_{142}	15.7	X	11.87593	92.41540	262.15503	8.99726	0.1038374	0.22068413	2.7119935	21	11 2.0	19.0
338588 2003 SA_{144}	16.8	X	352.91814	72.80329	323.03165	4.16089	0.2268229	0.22274399	2.6952479	21	12 12.8	19.3
338589 2003 SP_{144}	15.9	X	30.26801	357.44273	332.16705	13.76870	0.1702944	0.22212208	2.7002764	21	11 2.4	19.5
338590 2003 SK_{145}	15.7	X	355.26551	51.10827	300.08707	14.39912	0.1755409	0.21995974	2.7179445	21	9 27.9	18.8
338591 2003 SW_{145}	16.9	X	295.57669	95.02148	279.25032	10.61906	0.2419976	0.21313092	2.7756950	21	7 3.9	20.5
338592 2003 SA_{148}	16.3	X	84.62778	187.49196	133.38882	15.22712	0.2896220	0.23273839	2.6175242	21	—	—
338593 2003 SH_{150}	16.3	X	310.03040	330.90478	46.17429	8.84933	0.2171745	0.21565699	2.7539773	21	8 9.9	19.4
338594 2003 SM_{150}	16.3	X	17.77075	244.48762	78.59929	7.34698	0.2653437	0.22138463	2.7062696	21	10 28.4	19.1
338595 2003 SO_{150}	16.1	X	334.41700	241.68421	79.04212	8.79943	0.3231553	0.21504844	2.7591704	21	6 14.8	18.4
338596 2003 SB_{157}	16.2	X	358.42851	225.45573	183.45235	17.80502	0.2055614	0.22563703	2.6721601	21	—	—
338597 2003 SB_{159}	16.6	X	336.88585	216.74642	184.08987	5.06196	0.1733617	0.22354301	2.6888216	21	11 13.1	19.1
338598 2003 SZ_{165}	16.0	X	25.03194	50.60496	298.86768	9.42942	0.1575906	0.22348703	2.6892705	21	11 24.1	19.4
338599 2003 SX_{168}	16.2	X	10.29533	255.27991	131.10225	13.18464	0.1933574	0.22595568	2.6696472	21	12 28.4	19.4
338600 2003 ST_{170}	16.6	X	335.01565	17.93945	43.99759	3.74355	0.2212129	0.22280374	2.6947661	21	12 10.3	18.9
338601 2003 SS_{173}	16.5	X	35.16240	354.79735	325.51923	4.99195	0.1627986	0.22192491	2.7018756	21	10 31.4	20.0
338602 2003 SX_{174}	16.9	X	351.44494	353.12283	357.64317	3.46962	0.1921774	0.21934635	2.7230092	21	9 29.3	19.4
338603 2003 ST_{180}	16.1	X	324.63998	247.46546	164.46094	7.30879	0.0798862	0.22244365	2.6976734	21	11 7.3	19.3
338604 2003 SM_{187}	15.9	X	340.05758	99.33483	252.81620	8.34700	0.0963018	0.21632950	2.7482667	21	9 2.7	19.4
338605 2003 SO_{187}	16.4	X	96.57345	234.81558	25.55741	9.76866	0.0970093	0.22161746	2.7043739	21	10 23.5	20.1
338606 2003 SM_{189}	16.5	X	299.61216	54.17052	1.03518	8.50555	0.2935170	0.21500882	2.7595093	21	8 30.9	19.5
338607 2003 SQ_{189}	16.7	X	67.93785	110.72083	202.07309	11.28261	0.1801595	0.22818026	2.6522675	21	12 7.6	20.7
338608 2003 SN_{197}	16.2	X	52.63119	308.64279	9.93322	11.37522	0.1043661	0.22401962	2.6850065	21	11 12.1	19.9
338609 2003 SF_{198}	15.9	X	271.84651	183.57714	234.61230	12.15269	0.1429493	0.21241035	2.7819688	21	8 9.9	20.0
338610 2003 ST_{198}	15.9	X	306.22134	154.55554	216.26273	14.87388	0.1932255	0.21284461	2.7781836	21	7 20.0	19.5
338611 2003 SW_{202}	17.0	X	339.62719	13.69913	357.24663	8.05077	0.1770728	0.21985267	2.7188268	21	10 2.3	19.7
338612 2003 SY_{208}	16.6	X	18.91367	149.81441	204.00723	11.29641	0.2516422	0.22369166	2.6876303	21	12 7.5	19.8
338613 2003 SQ_{209}	16.4	X	352.36554	196.18208	206.08119	6.61380	0.1852403	0.22482253	2.6786100	21	12 16.7	19.2
338614 2003 SF_{211}	16.3	X	85.39745	290.84029	19.12172	13.77222	0.1904776	0.23042427	2.6350199	21	12 21.5	20.7
338615 2003 SX_{211}	16.2	X	298.77461	321.81655	80.87700	10.34043	0.2275686	0.21706408	2.7420629	21	8 25.7	19.5
338616 2003 SX_{221}	16.4	X	12.53099	246.06296	138.36449	5.13375	0.1204734	0.22624432	2.6673761	21	12 18.5	19.6
338617 2003 SQ_{226}	16.7	X	3.66819	170.27582	203.49237	7.00721	0.0750582	0.22088310	2.7103646	21	11 15.1	19.9
338618 2003 SX_{226}	16.1	X	30.94389	307.07818	20.78085	16.19176	0.2243816	0.22119618	2.7078066	21	11 11.5	19.6
338619 2003 SU_{229}	16.8	X	32.63436	255.54918	35.68004	11.89016	0.2039832	0.21622053	2.7491900	21	9 30.5	20.0
338620 2003 SF_{241}	16.6	X	37.56115	262.16735	6.67271	9.37872	0.1843977	0.21556730	2.7547411	21	9 2.7	19.8
338621 2003 SL_{242}	16.6	X	79.36835	252.75700	18.97067	14.35754	0.1668787	0.21977675	2.7194530	21	10 24.9	20.6
338622 2003 SE_{247}	16.3	X	345.83852	146.62113	193.63813	14.49465	0.2088166	0.21658234	2.7461275	21	8 26.8	19.0
338623 2003 SA_{248}	16.5	X	277.62350	166.86013	192.26924	1.81774	0.1045879	0.20896740	2.8124428	21	6 10.8	20.3
338624 2003 SC_{256}	16.4	X	306.87595	228.80707	188.52246	9.08884	0.2979773	0.21645278	2.7472231	21	9 12.9	19.2
338625 2003 SR_{260}	17.5	X	349.16846	127.90998	256.35438	2.80597	0.0987045	0.22360245	2.6883451	21	11 7.3	20.6
338626 2003 SA_{262}	16.3	X	248.69268	231.84709	218.14102	12.74567	0.1746116	0.21212431	2.7844692	21	8 19.0	20.7
338627 2003 SC_{262}	16.5	X	19.18874	114.66658	239.71662	4.96608	0.1608149	0.22196892	2.7015184	21	11 23.5	19.4
338628 2003 SN_{262}	16.4	X	300.87296	358.30128	51.89877	4.27829	0.1908423	0.21719149	2.7409904	21	9 12.8	19.5
338629 2003 SN_{271}	16.4	X	306.42719	193.50745	163.96523	10.08797	0.1724572	0.21117903	2.7927722	21	7 8.5	19.9
338630 2003 SJ_{272}	16.2	X	61.65475	123.36531	216.91863	9.47181	0.0946623	0.22768399	2.6561202	21	12 22.7	20.0
338631 2003 SF_{278}	16.1	X	315.14096	63.64159	343.72867	10.41767	0.1736404	0.21788027	2.7352106	21	10 2.2	19.1
338632 2003 SM_{278}	16.2	X	329.30556	14.88421	335.15911	8.46189	0.1692528	0.21396206	2.7685022	21	8 12.1	19.1
338633 2003 SS_{278}	16.4	X	67.31316	304.10806	357.29484	12.41817	0.2697004	0.22473902	2.6792736	21	11 29.3	20.8
338634 2003 SE_{283}	15.8	X	26.19898	99.70287	255.33183	12.87663	0.0825277	0.22692057	2.6620741	21	11 24.1	19.1
338635 2003 SO_{283}	16.0	X	359.44437	148.11215	208.37913	12.52891	0.1381625	0.22204829	2.7008746	21	10 20.7	18.9
338636 2003 SH_{289}	16.5	X	46.53851	300.23073	25.99262	15.03605	0.1943861	0.22480259	2.6787684	21	11 27.3	20.3
338637 2003 SY_{295}	16.3	X	62.63377	17.33102	283.27771	6.37017	0.0938955	0.22225298	2.6992161	21	11 1.2	20.1
338638 2003 SL_{297}	16.5	X	318.17799	85.10758	318.23624	10.28015	0.2057049	0.22028105	2.7153009	21	9 27.4	19.3
338639 2003 SU_{298}	16.3	X	354.59125	46.33163	333.08261	6.91511	0.1865721	0.22143635	2.7058483	21	11 15.0	19.1
338640 2003 SV_{300}	16.3	X	294.65425	256.12517	166.22323	13.47927	0.1458973	0.21920804	2.7241544	21	9 25.5	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338641 2003 SV_{301}	16.3	X	16.06174	186.25761	203.49196	8.11157	0.0869109	0.22784404	2.6548761	21	12 25.6	19.7
338642 2003 SW_{303}	15.8	X	87.33464	292.95304	20.15500	14.28806	0.1563396	0.22841852	2.6504229	21	12 24.2	20.1
338643 2003 SV_{305}	16.5	X	333.59257	140.47414	256.50945	7.19890	0.0923173	0.22240956	2.6979491	21	10 28.1	19.7
338644 2003 SC_{308}	16.2	X	311.20595	150.68008	266.52514	9.17054	0.2679420	0.22019713	2.7159907	21	9 24.0	18.9
338645 2003 SM_{308}	15.7	X	51.78829	39.82792	290.94870	14.02074	0.1163223	0.22411585	2.6842379	21	11 30.9	19.6
338646 2003 SZ_{316}	16.2	X	21.22498	42.12955	310.32744	5.68298	0.0884808	0.22506138	2.6767146	21	11 12.4	19.5
338647 2003 SM_{318}	16.5	X	20.73562	130.44967	190.17912	12.21236	0.0802704	0.22037994	2.7144885	21	9 29.9	19.8
338648 2003 SQ_{324}	16.1	X	166.86774	226.90359	352.00910	12.30261	0.0731224	0.22708880	2.6607592	21	11 11.9	20.3
338649 2003 SO_{326}	17.1	X	294.30767	23.81838	6.47986	2.77836	0.0770268	0.21512454	2.7585196	21	8 20.8	20.6
338650 2003 SH_{329}	16.0	X	17.93473	253.08086	78.84862	5.88148	0.1191425	0.21972912	2.7198459	21	10 18.7	19.2
338651 2003 SD_{330}	17.3	X	343.48125	104.69374	243.70786	1.37186	0.1013821	0.21773592	2.7364194	21	9 7.5	20.4
338652 2003 SG_{330}	17.6	X	341.08971	83.90990	354.34282	5.55920	0.2814286	0.22659007	2.6646620	21	—	—
338653 2003 SW_{330}	16.1	X	356.70942	299.56567	36.51458	12.49008	0.1559454	0.21724901	2.7405066	21	9 22.8	19.1
338654 2003 SB_{333}	16.6	X	292.26850	149.79101	238.36581	5.50688	0.0521320	0.21198749	2.7856672	21	8 14.8	20.3
338655 2003 SA_{334}	16.5	X	249.28633	98.98295	3.77694	9.32676	0.1123731	0.21486417	2.7607477	21	9 19.6	20.3
338656 2003 SH_{338}	17.1	X	358.33100	336.24739	335.85010	2.63372	0.0573619	0.21487894	2.7606212	21	8 12.6	20.5
338657 2003 SV_{340}	17.0	X	306.51051	169.13662	230.77881	3.05316	0.1744534	0.21810916	2.7332967	21	9 6.8	20.0
338658 2003 SM_{342}	17.1	X	334.47561	60.74027	296.13266	1.26812	0.0951573	0.21759620	2.7375907	21	9 4.3	20.1
338659 2003 SS_{342}	16.5	X	88.17086	85.34377	179.57906	13.53271	0.1587439	0.22391417	2.6858494	21	10 29.9	20.6
338660 2003 SD_{349}	17.0	X	92.07733	229.07029	27.67438	3.37871	0.0338153	0.22028950	2.7152314	21	10 6.7	20.6
338661 2003 ST_{349}	16.6	X	29.30650	350.43030	15.74075	6.06459	0.0733204	0.22685002	2.6626260	21	12 11.0	20.2
338662 2003 SJ_{350}	16.5	X	85.65507	231.28235	35.34439	5.60415	0.1289568	0.22195650	2.7016193	21	10 23.6	20.2
338663 2003 SZ_{352}	16.8	X	51.77026	287.37130	321.33091	7.76693	0.0512496	0.21440196	2.7647140	21	8 5.3	20.2
338664 2003 SA_{354}	16.8	X	337.47188	218.18694	196.74545	5.55260	0.0953193	0.22555507	2.6728073	21	12 1.3	20.0
338665 2003 SG_{359}	17.0	X	45.92000	314.88217	344.82377	2.12735	0.0804194	0.21953748	2.7214285	21	10 8.2	20.5
338666 2003 SN_{359}	16.8	X	297.70377	80.72038	8.36720	5.24999	0.0174998	0.22450460	2.6811384	21	11 17.5	20.4
338667 2003 SW_{361}	16.7	X	314.28730	348.88698	37.39108	6.34341	0.1465628	0.21734973	2.7396599	21	9 9.9	19.8
338668 2003 SE_{365}	17.0	X	211.96965	338.31051	200.82500	5.70550	0.1123623	0.22801816	2.6535245	21	11 13.6	20.8
338669 2003 SJ_{391}	16.8	X	348.08626	232.71024	130.36159	5.88803	0.1276988	0.21886035	2.7270389	21	10 10.9	19.8
338670 2003 ST_{391}	17.0	X	87.87430	202.47065	105.15980	4.88541	0.0743539	0.22654467	2.6650180	21	12 10.6	20.9
338671 2003 SM_{392}	16.2	X	235.84340	47.74849	85.66043	6.16697	0.0657731	0.22012377	2.7165941	21	10 21.5	20.0
338672 2003 SD_{421}	16.7	X	83.96538	244.60899	25.49336	8.01706	0.1626423	0.22290925	2.6939156	21	10 29.0	20.7
338673 2003 SJ_{423}	16.2	X	32.27495	304.40779	26.16142	14.13113	0.2138785	0.22056730	2.7129511	21	11 16.3	19.6
338674 2003 SN_{429}	16.5	X	268.75204	210.80145	225.82820	8.46781	0.1778986	0.21465697	2.7625240	21	8 26.7	20.4
338675 2003 SX_{429}	16.8	X	316.66024	259.76936	117.12638	1.73006	0.0876479	0.21402085	2.7679951	21	9 4.2	19.9
338676 2003 SK_{431}	16.5	X	63.03184	225.05871	88.18954	6.95238	0.2504136	0.22870020	2.6482462	21	12 10.9	20.6
338677 2003 TX_{4}	16.6	X	347.46630	148.26292	224.37013	13.54291	0.0196031	0.21893510	2.7264180	21	10 14.7	20.2
338678 2003 TZ_{4}	16.9	X	321.78157	98.11752	322.79765	4.20267	0.1058022	0.22142636	2.7059297	21	11 9.9	20.1
338679 2003 TH_{5}	16.1	X	47.78719	272.23609	60.64640	13.81877	0.1913491	0.22551860	2.6730955	21	12 9.3	19.8
338680 2003 TM_{8}	16.0	X	12.29235	44.25782	313.16164	12.54281	0.1604498	0.22183905	2.7025727	21	11 11.7	19.4
338681 2003 TP_{9}	15.7	X	91.53212	57.03502	219.24043	25.04079	0.2396381	0.22646912	2.6656107	21	11 21.3	20.2
338682 2003 TW_{17}	16.0	X	338.86560	76.14488	321.21972	4.64675	0.0785743	0.22091949	2.7100670	21	11 5.6	19.3
338683 2003 TL_{19}	16.6	X	352.97910	164.35590	197.30131	8.53705	0.1179465	0.21975764	2.7196106	21	10 14.8	19.4
338684 2003 TM_{29}	17.0	X	232.21469	327.61889	99.52034	0.45763	0.0527472	0.20924847	2.8099237	21	7 20.7	21.0
338685 2003 TZ_{35}	16.8	X	296.69854	238.24366	263.62784	4.93176	0.1136990	0.22916360	2.6446749	21	—	—
338686 2003 TQ_{36}	17.3	X	277.13174	87.92721	321.80538	3.75525	0.0659836	0.21286850	2.7779758	21	8 22.9	21.1
338687 2003 TF_{38}	16.4	X	53.40426	329.42868	349.33309	11.12512	0.0596004	0.22217395	2.6998561	21	11 5.4	20.2
338688 2003 TE_{39}	16.9	X	341.21409	77.63813	314.32143	5.14989	0.0241551	0.22153245	2.7050657	21	10 31.5	20.6
338689 2003 TW_{47}	16.3	X	263.61490	256.92230	212.44150	11.59229	0.1310198	0.22183505	2.7026052	21	10 12.8	20.0
338690 2003 TL_{56}	16.3	X	16.54415	282.33249	53.01607	9.92271	0.1254518	0.21960900	2.7208377	21	10 21.9	19.5
338691 2003 TQ_{58}	15.8	X	40.56849	216.65284	135.76075	14.39196	0.1495542	0.22440614	2.6819225	21	12 21.1	19.6
338692 2003 US_{6}	15.8	X	317.09805	149.62690	247.12807	12.29125	0.1843396	0.21555693	2.7548295	21	9 15.9	19.0
338693 2003 US_{7}	16.9	X	349.06183	118.54108	264.31385	8.56170	0.2715576	0.22244933	2.6976275	21	11 19.2	19.0
338694 2003 UF_{13}	16.3	X	15.22655	345.34421	41.76291	15.00650	0.2509188	0.22545568	2.6735928	21	—	—
338695 2003 UY_{13}	16.4	X	3.98281	321.47295	71.95176	6.12043	0.2075247	0.22451323	2.6810696	21	12 28.7	19.3
338696 2003 US_{15}	16.5	X	316.74566	322.68745	57.94636	4.50365	0.2726988	0.21424515	2.7660629	21	8 17.9	19.1
338697 2003 UV_{18}	16.5	X	346.23489	156.50957	210.29522	3.13757	0.1174100	0.21651337	2.7467106	21	10 8.7	19.5
338698 2003 UV_{19}	18.8	X	324.34315	124.11504	215.13990	33.46879	0.0801490	0.54267265	1.4885980	21	7 26.3	20.8
338699 2003 UZ_{24}	16.2	X	322.99762	48.04906	337.82038	5.40042	0.1102110	0.21696189	2.7429238	21	9 23.6	19.2
338700 2003 UL_{32}	16.7	X	19.43113	283.30105	24.94826	5.27870	0.0312871	0.21366070	2.7711048	21	9 7.9	20.3
338701 2003 UT_{32}	16.0	X	276.36910	289.76573	203.53520	12.28756	0.2123360	0.22264796	2.6960229	21	11 21.7	19.3
338702 2003 UX_{37}	16.9	X	31.09166	181.92265	272.83814	7.66983	0.1657652	0.23542597	2.5975653	21	—	—
338703 2003 UQ_{38}	16.2	X	295.22577	138.61204	247.92596	12.39315	0.2088141	0.21115003	2.7930280	21	7 22.2	19.9
338704 2003 UY_{43}	16.6	X	331.63482	339.79139	17.11244	6.74811	0.0492070	0.21449221	2.7639385	21	9 4.7	20.0
338705 2003 UE_{46}	16.8	X	221.68096	334.54731	202.23741	11.85117	0.0407133	0.22427582	2.6829614	21	11 30.4	20.6
338706 2003 UU_{51}	16.0	X	19.35515	343.60029	323.42247	15.10935	0.1616282	0.21561479	2.7543366	21	9 12.5	19.3
338707 2003 UJ_{54}	16.1	X	27.51932	106.03224	246.40365	9.73996	0.2197665	0.22229723	2.6988579	21	12 12.6	19.3
338708 2003 UK_{54}	17.2	X	288.57254	124.60346	326.93476	7.33035	0.2941915	0.21592696	2.7516814	21	9 26.4	20.4
338709 2003 UW_{56}	16.5	X	324.85066	5.25526	57.82282	3.55564	0.1687271	0.21947307	2.7219609	21	11 18.0	19.1
338710 2003 UG_{59}	15.5	X	20.48157	107.54076	266.03766	12.58416	0.1185662	0.22289593	2.6940230	21	12 14.7	18.7
338711 2003 UD_{60}	16.5	X	28.01031	344.61536	346.83639	15.79166	0.2565391	0.22177110	2.7031247	21	11 15.5	20.1
338712 2003 UC_{62}	16.0	X	0.25280	165.32374	172.80990	14.35023	0.2062201	0.21794978	2.7346290	21	10 2.9	18.6
338713 2003 UD_{67}	16.4	X	290.13560	255.60055	207.79988	12.98755	0.0357447	0.22511018	2.6763277	21	11 26.6	19.9
338714 2003 UE_{70}	16.9	X	78.27291	254.67533	337.04730	3.57310	0.0500776	0.21123800	2.7922525	21	8 18.4	20.6
338715 2003 UH_{76}	16.0	X	344.46542	13.69713	322.54996	11.12351	0.2084403	0.21532711	2.7567893	21	8 20.2	18.4
338716 2003 UC_{77}	15.8	X	274.36327	120.54476	316.38245	8.41930	0.1213153	0.21493910	2.7601060	21	9 13.1	19.4
338717 2003 UH_{78}	15.9	X	15.54771	320.04505	354.98603	7.82404	0.3472490	0.21876487	2.7278323	21	10 20.8	18.4
338718 2003 UU_{79}	15.7	X	352.12072	334.18485	31.83430	9.03897	0.1621699	0.21779176	2.7359517	21	10 21.9	18.5
338719 2003 UA_{81}	15.7	X	325.75611	281.83573	80.42974	12.54970	0.1484266	0.21300542	2.7767852	21	8 30.0	19.0
338720 2003 UG_{83}	16.3	X	286.18570	157.44489	281.39768	8.34591	0.3019567	0.21609610	2.7502453	21	9 2.5	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338721 2003 UX_{87}	16.7	X	307.28926	321.34773	56.44529	4.10274	0.1047791	0.21280763	2.7785054	21	8 20.6	20.1
338722 2003 UK_{88}	15.9	X	309.18940	216.02886	188.69119	15.48638	0.1401888	0.21442163	2.7645449	21	9 23.3	18.9
338723 2003 UL_{93}	16.4	X	330.53461	226.23144	213.80891	11.60905	0.2467357	0.22374211	2.6872263	21	12 27.7	18.8
338724 2003 UF_{94}	16.1	X	259.96730	66.62337	20.31668	9.39340	0.0837149	0.21497405	2.7598068	21	9 18.7	19.8
338725 2003 UH_{100}	16.1	X	282.75414	328.36384	87.54067	8.22900	0.1693353	0.21186334	2.7867553	21	8 26.8	19.7
338726 2003 UY_{103}	16.2	X	63.23925	29.22002	312.19115	8.07205	0.1321633	0.22889749	2.6467242	21	—	—
338727 2003 UT_{107}	15.8	X	250.34922	119.88948	333.46431	11.67886	0.1061646	0.21351558	2.7723603	21	9 6.9	19.7
338728 2003 UE_{109}	16.9	X	265.64237	19.64239	38.67196	6.16836	0.0538862	0.21019967	2.8014402	21	8 23.8	20.8
338729 2003 UH_{111}	16.4	X	199.08981	332.21396	205.66447	12.54225	0.0602190	0.22500516	2.6771604	21	11 2.5	20.1
338730 2003 UQ_{113}	16.4	X	357.40841	270.29959	53.02936	14.69889	0.2346777	0.21538770	2.7562723	21	9 13.6	19.2
338731 2003 UD_{116}	16.7	X	298.79489	86.71320	5.44234	12.24905	0.2629186	0.22030993	2.7150636	21	10 22.1	19.6
338732 2003 UO_{117}	17.1	X	357.02413	326.10829	0.40910	4.19775	0.0763279	0.21243484	2.7817551	21	8 31.5	20.4
338733 2003 UO_{118}	16.7	X	343.49961	65.49635	275.12209	3.58486	0.1728960	0.21546443	2.7556179	21	8 24.6	19.3
338734 2003 UD_{121}	16.5	X	84.21276	276.99221	36.08828	13.36696	0.1011899	0.22628281	2.6670736	21	12 13.9	20.5
338735 2003 UW_{124}	16.3	X	26.80533	272.54278	63.73863	6.85779	0.1477829	0.22127526	2.7071613	21	11 9.9	19.6
338736 2003 UX_{128}	16.7	X	280.99168	34.87124	22.11155	2.24804	0.1146339	0.21273695	2.7791208	21	8 31.7	20.3
338737 2003 UK_{136}	15.9	X	276.90668	128.65267	19.64364	13.67294	0.1974563	0.22605570	2.6688597	21	12 12.7	19.1
338738 2003 UZ_{138}	16.3	X	327.71537	230.92849	167.42746	13.06908	0.1622346	0.22054438	2.7131390	21	10 23.0	19.2
338739 2003 UX_{142}	16.1	X	319.29700	52.98851	18.98422	13.19356	0.1950816	0.21991303	2.7183294	21	11 14.1	18.8
338740 2003 UZ_{148}	16.9	X	330.52089	252.51548	124.60412	4.70995	0.2215517	0.21604710	2.7506611	21	9 21.8	19.3
338741 2003 UC_{158}	16.9	X	352.51213	23.98936	328.30523	1.94015	0.0602974	0.21394705	2.7686317	21	9 26.7	20.3
338742 2003 UG_{158}	16.5	X	279.12474	35.65229	25.66448	6.63781	0.0776126	0.21186153	2.7867712	21	9 11.2	20.2
338743 2003 UC_{161}	16.3	X	34.39327	260.44443	36.73671	8.84491	0.1983996	0.21652669	2.7465980	21	10 8.5	19.5
338744 2003 UF_{161}	16.2	X	32.89272	279.77545	39.87492	14.61144	0.0894760	0.21773899	2.7363937	21	10 20.4	19.7
338745 2003 UY_{161}	16.1	X	328.56573	291.93309	35.02442	13.56263	0.2182828	0.21161795	2.7889093	21	6 28.7	19.2
338746 2003 UP_{166}	16.3	X	209.78313	128.25366	41.87817	6.59283	0.0297261	0.21965020	2.7204974	21	11 6.9	20.0
338747 2003 UR_{166}	16.0	X	347.72207	333.12589	50.62594	5.77582	0.0583224	0.21904961	2.7254679	21	11 2.6	19.2
338748 2003 UB_{167}	16.2	X	351.26570	346.67086	19.43458	15.82883	0.2051280	0.21814720	2.7329789	21	10 21.0	18.8
338749 2003 UV_{167}	16.3	X	293.10659	209.64328	251.71858	7.57973	0.2072726	0.22017374	2.7161830	21	11 4.3	19.2
338750 2003 UV_{169}	16.3	X	11.75383	23.89644	347.19250	5.86872	0.0486986	0.22110723	2.7085327	21	11 17.7	19.9
338751 2003 UF_{170}	15.8	X	17.61036	295.62550	28.69132	7.88109	0.1474712	0.21617329	2.7495905	21	10 9.2	18.9
338752 2003 UY_{174}	16.1	X	332.76776	339.95241	37.54899	17.63936	0.1159553	0.21656010	2.7463154	21	10 6.8	19.3
338753 2003 UB_{178}	16.3	X	324.81180	8.52176	4.37986	6.02539	0.0935161	0.21561912	2.7542997	21	9 12.1	19.6
338754 2003 UH_{184}	15.8	X	70.77340	109.67613	190.94341	12.25263	0.0924780	0.22049530	2.7135417	21	11 14.7	19.7
338755 2003 UD_{187}	15.7	X	346.37251	120.19951	240.18243	13.14331	0.1046980	0.21622125	2.7491839	21	9 24.5	19.1
338756 2003 UX_{188}	16.2	X	323.72627	29.68932	8.33717	9.36812	0.1373478	0.21716408	2.7412210	21	10 10.7	19.2
338757 2003 UA_{190}	16.3	X	332.27994	345.38510	26.80760	6.34230	0.0533892	0.21432094	2.7654107	21	9 25.5	19.7
338758 2003 UK_{197}	16.8	X	321.00242	189.94661	179.94393	3.82503	0.1628935	0.21386693	2.7693231	21	8 23.2	19.9
338759 2003 UZ_{197}	16.2	X	326.68331	1.11453	49.15760	6.04327	0.0789162	0.22044965	2.7139163	21	11 5.9	19.3
338760 2003 UZ_{205}	15.9	X	2.72291	293.08230	28.91591	10.65720	0.3311391	0.21686185	2.7437673	21	10 1.3	17.7
338761 2003 UU_{210}	17.1	X	353.84113	0.93909	1.79332	2.48861	0.2390377	0.21794607	2.7346601	21	10 26.2	19.3
338762 2003 UA_{220}	16.2	X	335.10613	314.27856	71.73865	8.51591	0.3383323	0.21695384	2.7429917	21	10 17.7	17.7
338763 2003 UM_{229}	16.2	X	347.34146	174.59104	235.81388	11.04168	0.1752379	0.22209346	2.7005084	21	12 16.1	19.0
338764 2003 UW_{233}	16.9	X	348.81529	31.88084	333.21131	2.13319	0.2034559	0.21766489	2.7370147	21	10 14.7	19.2
338765 2003 UZ_{234}	16.1	X	329.99567	158.55749	219.83091	8.76824	0.1595288	0.21407244	2.7675504	21	9 20.7	19.2
338766 2003 UF_{243}	16.4	X	318.34030	165.56423	231.41289	6.36867	0.2011899	0.21524015	2.7575318	21	9 20.6	19.3
338767 2003 UF_{248}	16.4	X	305.34732	78.89360	354.14679	7.49432	0.0500638	0.22177012	2.7031326	21	11 2.7	19.8
338768 2003 UA_{249}	16.9	X	27.08477	71.76884	266.74839	2.03952	0.2163052	0.22235979	2.6983516	21	11 23.0	19.9
338769 2003 UB_{249}	16.0	X	123.45204	218.61278	31.71582	9.08855	0.0699581	0.22128151	2.7071104	21	11 6.7	19.9
338770 2003 UO_{249}	16.4	X	320.00767	319.35579	59.13516	9.85719	0.1594784	0.21396503	2.7684766	21	9 10.5	19.6
338771 2003 UJ_{250}	16.1	X	348.69943	100.42450	265.93547	4.89591	0.0822718	0.21589205	2.7519779	21	10 9.1	19.5
338772 2003 UQ_{251}	16.7	X	317.06784	91.82726	280.76285	4.66946	0.0616082	0.21325395	2.7746273	21	8 29.3	20.2
338773 2003 UQ_{254}	16.6	X	38.93738	276.51562	38.06095	5.58254	0.1185117	0.21882935	2.7272964	21	10 24.6	19.9
338774 2003 UL_{258}	16.8	X	286.52943	239.75549	203.57710	2.86485	0.1685778	0.21700948	2.7425228	21	10 5.6	19.9
338775 2003 UJ_{267}	16.3	X	298.75930	312.39504	51.09339	8.65303	0.2398897	0.20990770	2.8040374	21	6 23.9	20.0
338776 2003 UZ_{269}	16.9	X	246.14296	199.34360	302.95271	3.91917	0.0549169	0.22049769	2.7135221	21	11 12.4	20.5
338777 2003 US_{271}	16.5	X	274.38390	14.99600	47.21192	4.77077	0.1910295	0.21176933	2.7875800	21	8 18.9	20.2
338778 2003 UK_{272}	16.6	X	298.25971	319.63419	118.11956	4.41193	0.1741672	0.21709093	2.7418368	21	10 19.5	19.6
338779 2003 UQ_{280}	16.0	X	282.61991	330.32237	79.95994	13.03114	0.1863222	0.21039372	2.7997175	21	8 17.2	19.8
338780 2003 UG_{286}	17.0	X	288.22477	354.14946	35.98929	6.29611	0.0157630	0.21096915	2.7946242	21	8 22.5	20.8
338781 2003 UU_{293}	15.8	X	346.50495	228.23881	131.58229	14.76270	0.2569842	0.21780341	2.7358541	21	10 11.9	18.2
338782 2003 UA_{296}	17.1	X	301.10704	38.66494	0.91924	3.12089	0.1138002	0.21525121	2.7574373	21	9 7.5	20.3
338783 2003 UF_{298}	16.6	X	71.67737	51.42986	215.40390	4.09394	0.0737703	0.21581045	2.7526716	21	9 27.5	20.3
338784 2003 UL_{298}	16.7	X	12.06843	80.93758	212.64685	10.22271	0.1947812	0.21298623	2.7769519	21	8 14.3	19.6
338785 2003 UA_{300}	16.7	X	331.54301	137.89747	192.46911	5.00991	0.1247802	0.21114968	2.7930310	21	7 19.8	19.9
338786 2003 UY_{305}	16.5	X	314.99834	8.94661	3.30299	10.36243	0.1622596	0.21404531	2.7677843	21	8 20.4	19.6
338787 2003 UO_{306}	16.3	X	41.73951	250.91333	6.29394	12.99893	0.1730261	0.21165845	2.7885535	21	8 24.5	19.8
338788 2003 UO_{308}	16.1	X	16.65496	97.14266	212.44633	10.27412	0.0857679	0.21401076	2.7680822	21	9 4.8	19.6
338789 2003 UZ_{316}	17.2	X	336.33759	178.51595	267.88448	3.00563	0.0775631	0.23061581	2.6335607	21	—	—
338790 2003 UV_{317}	17.3	X	339.31041	2.01821	340.60913	5.43293	0.0669235	0.21622248	2.7491735	21	8 25.3	20.4
338791 2003 UD_{332}	15.5	X	23.82070	81.64168	337.15497	8.89374	0.0785262	0.17856795	3.1232042	21	—	—
338792 2003 UP_{338}	17.3	X	3.36786	197.76945	119.34786	1.08989	0.0640349	0.21530831	2.7569498	21	8 27.7	20.6
338793 2003 UH_{344}	16.8	X	258.09895	242.80857	285.34989	2.91201	0.0789446	0.23232457	2.6206315	21	12 31.6	20.2
338794 2003 UD_{348}	16.8	X	36.47741	129.18273	172.60184	5.17680	0.1522564	0.21937052	2.7228091	21	10 9.8	20.1
338795 2003 US_{349}	17.2	X	347.56092	333.47776	86.40869	3.15130	0.1025816	0.22629692	2.6669628	21	12 24.3	20.1
338796 2003 UH_{351}	16.4	X	7.40193	151.20837	198.49819	13.34646	0.0907564	0.22038997	2.7144062	21	10 20.8	19.6
338797 2003 UK_{375}	16.7	X	175.14372	229.62823	297.53784	4.23701	0.0527948	0.21919559	2.7242576	21	9 19.2	20.7
338798 2003 UV_{378}	17.1	X	301.77024	55.96818	19.40999	7.86013	0.1126546	0.22161929	2.7043590	21	10 27.2	20.2
338799 2003 UW_{391}	15.8	X	62.42461	304.20935	78.77784	11.51308	0.0847498	0.17605197	3.1528898	21	—	—
338800 2003 UM_{400}	16.5	X	330.37960	143.36429	255.57637	12.61984	0.2514514	0.22313396	2.6921067	21	10 19.4	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338801 2003 UE_{401}	16.8	X	274.55834	223.04148	271.72569	5.72208	0.0282658	0.23051483	2.6343297	21	12 16.9	20.2
338802 2003 UZ_{401}	17.0	X	51.32842	84.71673	203.16067	5.95454	0.2219912	0.22240662	2.6979728	21	10 22.9	20.6
338803 2003 UR_{414}	16.2	X	4.20816	329.12394	70.70161	13.90771	0.1707812	0.22441731	2.6818335	21	12 31.9	19.3
338804 2003 VX_{5}	16.5	X	294.57456	228.55884	217.10354	7.26226	0.2040827	0.21660630	2.7459249	21	10 16.3	19.4
338805 2003 VA_{9}	15.9	X	82.54668	232.86420	43.64270	12.12090	0.0369116	0.21744036	2.7388986	21	10 21.9	19.7
338806 2003 WE_{9}	16.4	X	24.92322	7.83081	349.25544	5.64524	0.0912577	0.22027099	2.7153836	21	11 23.6	19.9
338807 2003 WM_{9}	16.5	X	3.26470	12.15170	323.59798	7.46097	0.2264217	0.21574092	2.7532630	21	10 2.2	19.2
338808 2003 WZ_{12}	15.7	X	6.82605	68.72300	282.72089	23.53230	0.4274591	0.21829782	2.7317217	21	12 14.3	18.4
338809 2003 WT_{14}	16.7	X	174.30961	259.42413	229.30652	11.63376	0.0347308	0.20622965	2.8372786	21	7 27.9	21.0
338810 2003 WV_{15}	17.0	X	306.24112	221.00768	188.08920	2.78893	0.0857464	0.21535133	2.7565826	21	10 1.6	20.4
338811 2003 WH_{17}	16.4	X	13.67826	183.27358	161.56363	10.27053	0.2933710	0.21978526	2.7193828	21	11 24.5	19.4
338812 2003 WU_{18}	16.6	X	252.31740	114.42533	352.94056	7.44328	0.1851618	0.21212556	2.7844582	21	9 17.8	20.5
338813 2003 WB_{38}	15.2	X	265.96363	212.27830	248.05471	34.88039	0.1736008	0.21334957	2.7737983	21	9 13.3	19.8
338814 2003 WM_{40}	16.0	X	46.72546	54.38659	263.14632	7.36431	0.1753695	0.21767957	2.7368916	21	11 15.1	19.6
338815 2003 WL_{52}	16.3	X	30.64455	245.81336	42.52869	12.41902	0.1239277	0.21185608	2.7868190	21	9 13.1	19.9
338816 2003 WK_{60}	16.4	X	336.07941	293.88543	67.22609	5.37952	0.0840837	0.21235061	2.7824906	21	9 16.5	19.7
338817 2003 WG_{61}	18.3	X	263.54869	260.31297	141.06845	0.17619	0.1061417	0.31828399	2.1245136	21	7 20.7	20.6
338818 2003 WX_{65}	16.3	X	256.09252	27.79833	72.48627	10.14322	0.1614697	0.21177941	2.7874915	21	9 22.5	20.4
338819 2003 WO_{69}	15.9	X	313.04552	283.08376	74.93717	8.64569	0.1566364	0.20869648	2.8148762	21	7 25.4	19.2
338820 2003 WU_{71}	15.6	X	286.14193	111.42336	281.60696	12.01071	0.1096051	0.20965643	2.8062774	21	8 3.2	19.5
338821 2003 WM_{74}	16.5	X	271.54651	189.65864	269.43083	6.94626	0.1826066	0.21368333	2.7709091	21	9 28.3	20.3
338822 2003 WK_{77}	17.1	X	295.16922	46.22469	39.45086	3.67774	0.1641095	0.21607290	2.7504421	21	10 24.2	20.0
338823 2003 WC_{79}	16.0	X	324.57404	163.55498	251.77042	8.25926	0.1333955	0.21808470	2.7335011	21	11 5.8	19.0
338824 2003 WJ_{82}	16.4	X	35.55265	328.45764	83.99778	15.30461	0.2500781	0.22938955	2.6429379	21	—	—
338825 2003 WK_{82}	16.1	X	294.87952	243.53463	160.68935	9.55535	0.1718419	0.21235797	2.7824263	21	8 24.7	19.3
338826 2003 WN_{86}	16.0	X	300.14427	344.72224	65.01150	9.07396	0.1521239	0.21229586	2.7829690	21	9 19.3	19.4
338827 2003 WS_{89}	16.5	X	326.16024	44.25314	315.91506	2.78874	0.1101069	0.21146318	2.7902699	21	8 24.2	19.5
338828 2003 WV_{95}	16.0	X	289.33083	211.66804	232.43640	15.21906	0.0687894	0.21679124	2.7443631	21	10 23.4	19.5
338829 2003 WR_{99}	16.6	X	304.50055	97.69040	346.47744	9.33705	0.3178187	0.21723757	2.7406028	21	10 12.4	19.3
338830 2003 WV_{106}	16.5	X	21.61282	310.27158	341.33203	8.45899	0.2237469	0.21445703	2.7642407	21	9 8.6	19.2
338831 2003 WJ_{107}	17.0	X	271.99223	267.23076	225.44713	6.51368	0.2542638	0.21887139	2.7269472	21	11 5.3	20.2
338832 2003 WK_{107}	16.9	X	359.29219	238.52813	85.90896	1.55531	0.2318043	0.21430594	2.7655398	21	9 10.2	19.2
338833 2003 WF_{111}	16.5	X	294.55463	96.37301	305.21969	3.60931	0.1220154	0.21111267	2.7933574	21	8 27.8	19.9
338834 2003 WK_{122}	16.8	X	224.16129	85.07723	37.59540	8.00880	0.1775954	0.20924438	2.8099602	21	9 11.6	21.3
338835 2003 WV_{127}	15.6	X	239.48704	334.13530	74.09740	15.02289	0.2045633	0.20032509	2.8927605	21	6 18.4	20.2
338836 2003 WE_{143}	16.4	X	291.06793	152.88471	247.59328	3.03140	0.1037777	0.20995049	2.8036564	21	8 23.1	20.1
338837 2003 WJ_{149}	16.6	X	357.86223	237.58184	188.19383	15.18393	0.2586970	0.22443258	2.6817119	21	—	—
338838 2003 WD_{152}	17.2	X	344.34088	213.08579	175.77474	5.04610	0.3404054	0.21897747	2.7260664	21	11 24.9	18.7
338839 2003 WN_{152}	15.9	X	356.06876	128.21206	254.68306	13.50827	0.1685101	0.22011187	2.7166920	21	11 22.7	18.7
338840 2003 WG_{163}	16.7	X	36.04953	258.81310	84.34343	2.73573	0.0822718	0.21849878	2.7300464	21	11 21.3	20.3
338841 2003 WV_{164}	16.5	X	258.38039	200.09529	237.68234	2.79020	0.0702114	0.20911476	2.8111213	21	9 1.9	20.5
338842 2003 XE_{1}	16.8	X	285.86414	124.47003	301.89727	6.70656	0.2096689	0.21262435	2.7801019	21	9 1.9	20.4
338843 2003 XH_{2}	16.4	X	277.30449	347.73709	93.78913	9.32641	0.1939214	0.21235705	2.7824343	21	9 20.1	20.1
338844 2003 XX_{5}	15.5	X	234.04918	219.16168	269.36305	24.31796	0.1276272	0.21169481	2.7882342	21	9 17.9	20.2
338845 2003 XW_{7}	16.2	X	292.10860	45.05588	1.19014	6.34508	0.2192995	0.21032873	2.8002941	21	8 17.9	19.6
338846 2003 XD_{9}	15.8	X	39.24012	56.07973	316.72617	12.06654	0.2768397	0.22471813	2.6794396	21	—	—
338847 2003 XZ_{21}	16.8	X	353.68380	193.37323	122.39848	5.09934	0.3238685	0.32221360	2.1072051	21	9 12.4	16.5
338848 2003 XD_{26}	16.7	X	190.99283	259.30988	216.97708	7.11897	0.2298321	0.20143956	2.8820811	21	7 27.7	21.8
338849 2003 XX_{28}	16.1	X	18.48164	305.80921	60.63943	7.06743	0.0367939	0.21840770	2.7308054	21	11 21.1	19.7
338850 2003 XS_{33}	16.8	X	241.64068	210.20224	224.57309	5.73033	0.0199988	0.20660634	2.8338289	21	8 13.4	20.9
338851 2003 YD	15.6	X	260.79589	327.69639	137.42177	27.21785	0.2213212	0.21292225	2.7775083	21	9 25.9	19.9
338852 2003 YU_{6}	15.7	X	256.41057	222.10608	315.97753	14.04806	0.1396191	0.21856254	2.7295154	21	12 31.6	19.4
338853 2003 YH_{21}	17.2	X	270.42808	4.24045	55.64215	2.37333	0.0283800	0.31621947	2.1337505	21	9 13.3	19.3
338854 2003 YB_{22}	16.0	X	245.53285	207.86233	274.78097	7.28017	0.2085297	0.21186977	2.7866989	21	9 22.6	20.4
338855 2003 YL_{23}	16.6	X	287.35061	110.14112	320.60951	8.31035	0.1708384	0.21214239	2.7843110	21	9 15.9	20.1
338856 2003 YJ_{25}	16.5	X	27.96652	151.78278	289.57600	5.67162	0.2378380	0.22872035	2.6480906	21	—	—
338857 2003 YE_{30}	16.2	X	276.77459	17.94312	42.96739	5.79842	0.1474347	0.21085214	2.7956580	21	8 27.9	19.9
338858 2003 YP_{40}	13.1	X	204.45587	143.52480	294.75016	25.96001	0.0355448	0.08195605	5.2490662	21	7 5.1	20.2
338859 2003 YL_{97}	16.3	X	301.69342	179.59781	247.79728	4.42709	0.2125187	0.21288343	2.7778459	21	9 30.2	19.4
338860 2003 YN_{105}	16.1	X	297.50907	304.30007	109.55387	10.27111	0.2136200	0.21161928	2.7888975	21	9 9.7	19.4
338861 2003 YH_{116}	15.4	X	86.44129	188.48409	306.16117	10.44769	0.0428759	0.18526065	3.0475248	21	4 17.2	19.8
338862 2003 YO_{130}	16.7	X	20.46572	125.91287	301.18545	8.14106	0.2456827	0.22577673	2.6710577	21	—	—
338863 2003 YX_{136}	16.1	X	7.03932	104.55657	317.00677	7.00062	0.3380889	0.22503589	2.6769167	21	—	—
338864 2003 YY_{138}	16.4	X	245.94631	327.62329	123.49437	9.19901	0.1532990	0.20402400	2.8576906	21	8 26.3	20.6
338865 2003 YQ_{139}	16.8	X	281.59755	60.14510	10.31155	8.28463	0.2956713	0.21022157	2.8012457	21	8 23.9	20.6
338866 2003 YR_{158}	16.0	X	308.15330	265.41800	121.09928	10.26395	0.1793174	0.21091234	2.7951260	21	8 23.7	19.2
338867 2003 YT_{174}	15.5	X	358.52954	144.46453	92.53292	7.18874	0.0258543	0.18790594	3.0188558	21	5 6.1	19.6
338868 2004 AD_{6}	16.7	X	289.08049	75.32282	349.85956	10.12816	0.2544343	0.20991927	2.8039343	21	9 1.6	20.2
338869 2004 AA_{8}	17.8	X	238.25791	100.36942	342.55167	4.91934	0.2188473	0.31547955	2.1370856	21	8 3.1	20.8
338870 2004 AA_{23}	16.0	X	262.65527	221.37520	123.85774	10.91705	0.0670578	0.19040715	2.9923603	21	5 14.9	20.5
338871 2004 BQ_{9}	17.4	X	255.80239	57.62761	339.44479	3.30757	0.0882153	0.30943010	2.1648493	21	7 6.2	19.8
338872 2004 BB_{10}	17.4	X	87.34078	169.24788	358.65036	4.35555	0.0791768	0.30129347	2.2036515	21	6 5.7	19.8
338873 2004 BT_{12}	16.3	X	184.29545	58.80052	104.27744	6.85111	0.0647351	0.20364814	2.8612057	21	9 28.2	20.6
338874 2004 BE_{18}	15.6	X	353.60767	342.98404	58.62400	15.58655	0.1869682	0.21398712	2.7682860	21	12 13.2	18.5
338875 2004 BM_{50}	17.4	X	210.91987	106.50663	315.11854	4.43722	0.1078345	0.30723196	2.1751629	21	6 11.9	20.4
338876 2004 BB_{57}	17.3	X	195.49215	67.73999	10.17810	4.61933	0.0976876	0.30553057	2.1832306	21	6 17.4	20.2
338877 2004 BM_{58}	17.2	X	124.44809	237.20179	264.92577	6.43675	0.1076327	0.30372397	2.1918795	21	6 24.8	20.1
338878 2004 BF_{63}	15.7	X	104.97303	189.23043	307.65189	10.81657	0.0689296	0.18831233	3.0145110	21	5 20.2	20.1
338879 2004 BR_{79}	15.6	X	143.39871	310.99953	169.07795	10.94407	0.0622114	0.18979757	2.9987639	21	6 15.9	20.2
338880 2004 BR_{90}	16.5	X	326.73998	177.39536	284.57350	2.39189	0.1610942	0.21703004	2.7423496	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338881 2004 BM_{99}	16.7	X	269.80731	128.57691	130.68442	6.98348	0.1109455	0.28204624	2.3027980	21	1 12.7	20.0
338882 2004 BY_{100}	17.8	X	350.50032	98.59097	133.05008	5.98433	0.1181431	0.29519266	2.2339100	21	3 24.8	19.9
338883 2004 BM_{115}	17.2	X	286.89091	329.36032	325.74111	5.91973	0.1207713	0.29627917	2.2284452	21	3 15.5	20.2
338884 2004 BW_{117}	16.1	X	143.91675	181.16448	294.39775	14.31532	0.1964291	0.19080831	2.9881647	21	6 20.6	21.1
338885 2004 BE_{137}	16.5	X	115.22860	45.71331	103.28042	4.12122	0.0110579	0.19118074	2.9842827	21	6 12.2	20.7
338886 2004 BY_{140}	13.6	X	253.06077	95.24398	286.39221	2.87238	0.0595668	0.07957633	5.3531998	21	6 18.4	20.7
338887 2004 BU_{144}	16.8	X	162.13922	173.62864	309.22930	4.22025	0.0092251	0.19399344	2.9553666	21	7 8.5	20.8
338888 2004 BC_{150}	17.9	X	147.22453	113.53813	4.28134	2.60655	0.0865030	0.30493844	2.1860559	21	6 16.0	20.6
338889 2004 BV_{151}	15.6	X	125.72044	340.72196	149.06817	10.68261	0.0494801	0.19072249	2.9890610	21	6 7.1	20.0
338890 2004 CS_{3}	15.6	X	351.88498	74.13766	143.60334	9.91375	0.1038492	0.17932707	3.1143839	21	3 29.6	19.5
338891 2004 CW_{5}	15.9	X	64.92670	212.49972	317.74899	12.60792	0.1564196	0.18380916	3.0635474	21	5 22.9	20.1
338892 2004 CB_{16}	16.4	X	187.31566	48.01196	8.18323	0.76143	0.1141651	0.18747406	3.0234904	21	5 15.2	21.2
338893 2004 CJ_{27}	16.2	X	162.70130	137.21632	339.40423	8.57992	0.1943786	0.19183236	2.9775208	21	7 8.6	21.3
338894 2004 CP_{27}	16.9	X	230.59931	25.51977	33.26046	2.20852	0.0928520	0.19660286	2.9291582	21	7 3.7	21.3
338895 2004 CD_{48}	17.1	X	85.58260	227.55591	348.99965	3.67818	0.0772997	0.30550469	2.1833539	21	8 17.7	19.5
338896 2004 CJ_{50}	15.4	X	12.97432	15.34047	159.40039	29.78594	0.1683097	0.17426576	3.1743977	21	3 3.5	18.9
338897 2004 CW_{54}	15.7	X	18.34862	192.30857	356.68351	10.25121	0.1519373	0.17692436	3.1425169	21	3 30.2	19.2
338898 2004 CT_{75}	16.1	X	162.43322	330.64965	163.16275	5.08657	0.0628985	0.19393194	2.9559914	21	7 23.8	20.6
338899 2004 CF_{93}	15.3	X	158.91572	322.62229	111.23698	13.56949	0.1601682	0.18783941	3.0195687	21	5 15.9	20.4
338900 2004 CS_{93}	15.5	X	68.53380	177.65600	333.09140	9.29057	0.1376095	0.18061106	3.0996060	21	4 28.6	19.7
338901 2004 CP_{99}	16.9	X	335.19197	214.14861	344.54702	24.31782	0.1146167	0.28448069	2.2896417	21	1 21.1	20.1
338902 2004 CH_{100}	15.3	X	6.42048	210.12778	352.11866	27.75058	0.1617528	0.17571138	3.1569628	21	3 21.9	19.0
338903 2004 CX_{128}	15.9	X	235.60632	51.73598	348.87022	9.28414	0.0872008	0.19128388	2.9832098	21	6 16.2	20.5
338904 2004 DN_{1}	16.7	X	228.98893	104.86659	132.96759	21.62063	0.2290417	0.27286896	2.3541454	21	—	—
338905 2004 DB_{10}	15.3	X	330.97728	213.43418	346.40019	15.84033	0.1379034	0.17082724	3.2168537	21	2 3.5	19.7
338906 2004 DL_{26}	15.7	X	194.49833	54.55883	348.16538	9.34857	0.0743010	0.18565075	3.0432543	21	5 2.7	20.5
338907 2004 DJ_{27}	15.8	X	31.18865	215.06253	352.39339	10.23344	0.0507333	0.18310520	3.0713945	21	5 7.8	20.0
338908 2004 DH_{33}	15.7	X	48.67152	194.42941	359.38030	8.35847	0.1945005	0.18075669	3.0979409	21	6 4.8	19.6
338909 2004 DM_{35}	15.9	X	59.38503	2.08324	170.23744	19.31187	0.0749687	0.18222703	3.0812541	21	5 12.8	20.3
338910 2004 DW_{38}	17.5	X	248.60623	39.21800	339.92517	7.59077	0.1124617	0.30392114	2.1909314	21	5 25.3	20.6
338911 2004 DE_{45}	15.5	X	96.00681	141.39202	318.68750	8.95785	0.0539260	0.17726558	3.1384829	21	3 21.0	20.0
338912 2004 DJ_{56}	17.6	X	84.05911	241.71538	303.37782	3.85421	0.0522025	0.30179465	2.2012111	21	6 23.1	20.1
338913 2004 DS_{56}	17.9	X	173.83056	156.26111	318.33733	4.62933	0.0339243	0.30567027	2.1825653	21	7 14.5	20.6
338914 2004 DU_{56}	16.1	X	210.58763	102.32533	320.99659	8.48856	0.0483721	0.19046220	2.9917836	21	6 20.3	20.6
338915 2004 DM_{66}	15.8	X	306.89773	207.70603	102.24956	11.42666	0.0567637	0.19468360	2.9483778	21	5 26.5	19.8
338916 2004 ED_{1}	17.6	X	273.91694	262.12548	10.54428	22.39270	0.1012322	0.39967329	1.8252932	21	1 23.1	20.3
338917 2004 EN_{2}	17.5	X	113.53416	131.23306	333.06707	4.67550	0.1022734	0.29394876	2.2402078	21	4 13.8	20.3
338918 2004 EO_{3}	15.7	X	217.03007	58.08227	48.37402	14.39632	0.0549868	0.19585434	2.9366166	21	8 29.4	20.2
338919 2004 ES_{4}	16.0	X	28.22646	180.05202	0.06856	8.33600	0.1758227	0.17604374	3.1529881	21	4 6.8	19.4
338920 2004 EU_{8}	17.3	X	42.93655	45.74024	164.45940	4.23424	0.1133025	0.29502876	2.2347373	21	6 2.9	19.4
338921 2004 EQ_{12}	17.3	X	11.51534	244.91512	359.56164	6.24132	0.1266251	0.29626520	2.2285153	21	5 22.6	19.2
338922 2004 EJ_{13}	17.0	X	261.06202	214.40853	27.01619	6.79257	0.0749049	0.27865736	2.3214306	21	—	—
338923 2004 EK_{13}	15.9	X	106.07208	106.28315	69.05343	3.59981	0.1089735	0.18755940	3.0225732	21	7 18.3	20.3
338924 2004 EO_{19}	15.7	X	202.89595	74.78659	351.84228	9.93275	0.1141170	0.18883143	3.0089839	21	6 11.8	20.6
338925 2004 EZ_{27}	16.2	X	93.17648	334.85153	162.30853	1.12280	0.1205036	0.18112818	3.0937036	21	5 16.4	20.4
338926 2004 EL_{35}	16.7	X	88.24094	138.18907	62.68091	4.84741	0.0738858	0.30071522	2.2064755	21	7 28.7	19.2
338927 2004 EO_{36}	17.0	X	105.19529	161.20230	343.38802	5.49074	0.0725828	0.29669066	2.2263843	21	5 26.7	19.6
338928 2004 EJ_{39}	17.0	X	40.35191	209.77723	355.16673	6.18732	0.0776660	0.29543215	2.2327026	21	5 12.9	19.3
338929 2004 EM_{40}	15.7	X	345.98957	211.12822	356.69467	18.59146	0.0890038	0.17279278	3.1924124	21	3 9.6	19.8
338930 2004 ED_{41}	17.1	X	169.39107	74.03300	10.51503	4.33149	0.0649003	0.29822189	2.2187568	21	5 24.9	20.1
338931 2004 EU_{41}	15.3	X	136.63692	164.88697	8.57280	11.46681	0.0379833	0.19235756	2.9720986	21	8 17.4	19.7
338932 2004 EH_{42}	16.9	X	47.65373	184.58972	13.85392	8.49894	0.1019480	0.29447189	2.2375538	21	5 18.7	19.1
338933 2004 EY_{46}	15.9	X	151.82074	112.11686	1.64852	10.44799	0.1017903	0.18680191	3.0307388	21	6 19.2	20.7
338934 2004 EU_{48}	17.5	X	109.87815	296.82792	244.05954	1.62884	0.0989820	0.30231739	2.1986729	21	7 30.9	20.2
338935 2004 EY_{52}	15.6	X	151.41720	114.95546	13.82355	10.28444	0.0480668	0.18784051	3.0195569	21	7 6.1	20.2
338936 2004 EG_{53}	15.5	X	26.22832	45.81278	158.42074	10.40926	0.0756237	0.17847059	3.1243399	21	5 5.2	19.7
338937 2004 EQ_{53}	17.4	X	326.26723	89.00748	111.65592	3.07897	0.1310808	0.28218537	2.3020410	21	—	—
338938 2004 EF_{59}	15.6	X	65.58951	67.23269	106.89461	13.32941	0.1101162	0.17879261	3.1205874	21	5 28.2	19.8
338939 2004 EN_{60}	17.9	X	173.17492	262.20048	179.33043	5.03806	0.1614205	0.30100308	2.2050685	21	5 30.9	21.2
338940 2004 EU_{61}	15.7	X	12.57103	191.87958	356.33944	23.56418	0.1197603	0.17422429	3.1749015	21	3 20.1	19.4
338941 2004 EJ_{63}	17.5	X	22.08225	25.09307	196.85764	4.53371	0.1263229	0.29375360	2.2411999	21	5 11.0	19.2
338942 2004 EC_{64}	14.9	X	351.50688	224.02735	0.65538	22.68651	0.1173461	0.17829451	3.1263966	21	3 30.2	18.8
338943 2004 EL_{64}	16.1	X	234.46759	8.19712	62.01914	2.79888	0.0933484	0.19375866	2.9577535	21	7 23.1	20.5
338944 2004 ER_{66}	15.3	X	86.45040	167.60702	0.57148	16.94885	0.0621588	0.18202336	3.0835522	21	6 4.1	20.0
338945 2004 EL_{69}	16.2	X	155.50312	310.04827	173.59472	9.43610	0.1166131	0.18968210	2.9999808	21	7 5.6	21.0
338946 2004 ET_{70}	16.3	X	139.52532	129.85818	347.21908	5.21101	0.2048659	0.18636350	3.0354901	21	6 18.2	21.3
338947 2004 EN_{74}	17.0	X	24.93275	181.95613	19.46558	7.69375	0.0706707	0.29078303	2.2564377	21	4 11.7	19.2
338948 2004 ER_{75}	15.6	X	71.75367	140.23041	17.23093	17.34485	0.1573481	0.17870396	3.1216193	21	5 13.8	20.0
338949 2004 EW_{75}	16.3	X	173.11416	4.53080	130.10738	2.77457	0.1042114	0.19286529	2.9668801	21	8 6.8	20.8
338950 2004 EA_{76}	15.7	X	322.92744	232.73162	357.95036	17.15303	0.1848119	0.17110801	3.2133337	21	2 23.7	20.0
338951 2004 EQ_{85}	15.7	X	51.59995	178.10988	17.47290	17.29733	0.1368902	0.18073583	3.0981793	21	5 31.7	19.9
338952 2004 EL_{88}	16.4	X	123.34894	141.16938	346.57259	11.87633	0.1374360	0.18497379	3.0506749	21	6 8.8	21.2
338953 2004 EL_{101}	15.5	X	273.75434	330.16518	347.32223	10.77940	0.0764200	0.17916136	3.1163040	21	4 15.1	20.2
338954 2004 ED_{104}	16.8	X	161.15507	301.27107	153.70822	1.60706	0.1031726	0.18565713	3.0431845	21	6 6.0	21.4
338955 2004 EM_{111}	18.2	X	287.41593	40.81955	215.59100	1.82010	0.1286261	0.28352508	2.2947836	21	1 26.0	21.2
338956 2004 ET_{112}	17.5	X	312.85469	162.37388	116.94151	5.88028	0.1096902	0.29196518	2.2503428	21	4 5.5	20.1
338957 2004 EH_{113}	15.9	X	254.94970	296.19795	11.21634	9.03399	0.0562835	0.17464082	3.1698512	21	3 20.3	20.4
338958 2004 EU_{113}	15.7	X	292.98861	151.05124	163.75832	16.48096	0.0632676	0.18178985	3.0861921	21	5 15.4	20.3
338959 2004 FO_{6}	16.4	X	86.62369	194.04522	8.42276	6.76901	0.0855332	0.19061296	2.9902059	21	7 28.0	20.6
338960 2004 FH_{18}	17.0	X	187.48003	161.43680	110.41225	5.98490	0.2119794	0.26566030	2.3965415	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
338961 2004 FB_{20}	16.0	X	42.81443	348.78656	183.66527	16.67643	0.1526837	0.17734622	3.1375315	21	4 25.4	19.8
338962 2004 FC_{23}	15.7	X	324.58372	87.58521	177.72373	9.59339	0.0571566	0.17815163	3.1280679	21	4 23.7	20.0
338963 2004 FC_{26}	16.7	X	283.79119	339.09543	268.97483	5.68685	0.0930866	0.28129062	2.3069201	21	1 15.2	19.9
338964 2004 FX_{33}	17.3	X	280.60508	256.39464	322.27555	6.62463	0.2090947	0.27674810	2.3320952	21	—	—
338965 2004 FG_{41}	15.1	X	299.65667	260.61108	348.87307	16.06918	0.0583436	0.17178956	3.2048291	21	3 3.0	19.6
338966 2004 FU_{42}	17.0	X	285.85956	80.92285	153.01276	7.24740	0.1902833	0.28187349	2.3037388	21	—	—
338967 2004 FK_{46}	15.9	X	187.58156	59.02430	41.37200	5.30041	0.1025372	0.19079204	2.9883346	21	7 10.3	20.6
338968 2004 FA_{50}	17.7	X	285.44242	342.41973	244.46282	1.21124	0.1691316	0.27772565	2.3266197	21	—	—
338969 2004 FR_{53}	16.6	X	187.34551	352.53974	100.41990	3.17309	0.0191303	0.18846312	3.0129029	21	7 1.3	20.9
338970 2004 FF_{54}	16.3	X	97.07118	164.14857	335.27167	4.47966	0.1460405	0.18218737	3.0817013	21	5 26.3	20.7
338971 2004 FQ_{56}	15.8	X	63.23369	160.85343	18.96818	27.53164	0.0844473	0.17891085	3.1192122	21	5 14.8	20.4
338972 2004 FG_{65}	15.7	X	100.96628	136.93817	20.09280	18.38920	0.1072094	0.18217236	3.0818706	21	6 15.7	20.5
338973 2004 FN_{74}	15.9	X	227.77038	165.38071	185.19483	9.81987	0.0733898	0.17714498	3.1399072	21	4 9.5	20.5
338974 2004 FN_{77}	17.8	X	93.30315	320.32348	180.06432	3.87359	0.1363869	0.29445891	2.2376196	21	5 16.4	20.2
338975 2004 FS_{84}	17.1	X	234.35099	57.21045	336.97243	3.30309	0.0183847	0.30066767	2.2067081	21	6 10.3	19.7
338976 2004 FC_{89}	16.1	X	150.07530	73.10849	23.42535	9.87317	0.1601255	0.18453930	3.0554614	21	5 29.0	21.1
338977 2004 FW_{101}	16.1	X	89.50627	332.27113	195.34213	10.21377	0.0955166	0.18291180	3.0735591	21	6 15.8	20.5
338978 2004 FT_{104}	17.2	X	74.41517	40.34822	138.80763	7.05200	0.0559127	0.29542403	2.2327435	21	6 1.2	19.7
338979 2004 FC_{105}	16.1	X	253.11827	267.11458	39.24156	1.87936	0.0692417	0.17041347	3.2220586	21	3 15.6	20.9
338980 2004 FZ_{111}	16.5	X	159.61569	121.23063	11.33899	11.52078	0.0463184	0.18858696	3.0115838	21	7 22.6	21.1
338981 2004 FM_{112}	17.2	X	331.51176	265.26996	358.35355	6.79444	0.1021240	0.29139490	2.2532779	21	4 8.1	19.4
338982 2004 FV_{112}	17.8	X	131.48921	347.65972	130.72966	6.15842	0.0893795	0.29624539	2.2286147	21	5 29.9	20.7
338983 2004 FV_{126}	16.8	X	356.91779	253.97968	4.19597	6.90491	0.0991784	0.29375489	2.2411933	21	5 15.7	19.0
338984 2004 FF_{128}	15.6	X	126.65414	73.47539	59.73641	5.21923	0.1275991	0.18280321	3.0747761	21	6 19.3	20.2
338985 2004 FQ_{130}	15.5	X	38.82495	173.25296	37.12403	23.86022	0.1186941	0.17935946	3.1140090	21	5 27.1	19.6
338986 2004 FE_{135}	17.7	X	346.44676	279.41754	333.65473	2.43532	0.1353605	0.29286598	2.2457260	21	4 13.8	19.8
338987 2004 FZ_{136}	15.4	X	234.46058	159.76922	162.38143	10.97768	0.0671826	0.17300523	3.1897984	21	3 14.3	20.2
338988 2004 FU_{142}	17.3	X	292.08632	156.15248	73.19944	6.64612	0.1850103	0.27758954	2.3273801	21	—	—
338989 2004 FO_{145}	15.7	X	338.94920	236.43271	2.79325	10.07988	0.0361727	0.17756135	3.1349968	21	4 8.5	19.9
338990 2004 GS	17.7	X	88.93686	141.37655	29.05087	4.34864	0.0464919	0.29596168	2.2300386	21	6 6.6	20.1
338991 2004 GC_{3}	16.2	X	99.73435	290.20836	207.05662	10.54355	0.2669139	0.18123053	3.0925387	21	6 12.3	21.1
338992 2004 GN_{5}	16.9	X	321.97390	148.56889	99.69529	6.53178	0.1110375	0.28484537	2.2876870	21	3 6.3	19.6
338993 2004 GK_{8}	18.0	X	249.45990	252.61373	27.09701	6.46176	0.1229184	0.27843105	2.3226883	21	1 19.5	21.5
338994 2004 GH_{12}	15.2	X	46.39435	352.97010	217.65962	18.15509	0.0868301	0.18023183	3.1039524	21	6 10.3	19.4
338995 2004 GU_{15}	16.5	X	217.12988	210.20703	74.60351	22.30796	0.0781226	0.27381485	2.3487208	21	—	—
338996 2004 GQ_{28}	17.1	X	73.51433	336.87608	198.15941	5.91169	0.0886837	0.29383101	2.2408062	21	5 29.2	19.5
338997 2004 GO_{30}	17.4	X	229.37381	247.15575	348.83795	2.07973	0.1688905	0.26865334	2.3787085	21	—	—
338998 2004 GD_{31}	16.8	X	172.05684	226.64103	45.62350	5.63551	0.2130960	0.26201520	2.4187170	21	—	—
338999 2004 GF_{32}	16.0	X	139.43684	281.90963	189.17848	11.71392	0.1321387	0.18503456	3.0500069	21	6 6.4	20.9
339000 2004 GK_{38}	17.3	X	42.03780	276.56332	317.20854	4.15590	0.1703743	0.29678369	2.2259191	21	7 19.5	19.1
339001 2004 GJ_{40}	15.7	X	117.89605	292.22622	196.47779	26.16859	0.1956228	0.18206439	3.0830889	21	6 10.9	21.0
339002 2004 GK_{42}	17.3	X	196.76018	246.37587	43.87435	8.02058	0.1183286	0.27139389	2.3626679	21	—	—
339003 2004 GQ_{45}	15.9	X	114.76881	105.66001	33.80747	10.24037	0.0436053	0.18056018	3.1001882	21	6 2.2	20.4
339004 2004 GC_{47}	17.9	X	189.13997	246.25795	194.68132	3.31397	0.0818729	0.29796116	2.2200510	21	6 14.9	21.0
339005 2004 GX_{48}	15.8	X	349.89748	41.31594	204.62415	11.98546	0.0032516	0.17677354	3.1443042	21	5 6.7	20.2
339006 2004 GS_{50}	16.0	X	163.16656	325.38443	126.10534	2.00912	0.2052114	0.18385822	3.0630025	21	6 7.7	21.1
339007 2004 GH_{52}	16.6	X	127.49624	293.77908	192.12747	4.46797	0.1097298	0.18164785	3.0878003	21	6 9.8	21.2
339008 2004 GC_{57}	16.4	X	69.16484	283.71207	189.89982	13.26893	0.0307548	0.17090594	3.2158660	21	3 3.2	21.0
339009 2004 GQ_{57}	17.5	X	251.85761	335.61368	327.28314	2.42816	0.1718840	0.28324710	2.2962847	21	2 15.1	20.7
339010 2004 GE_{60}	17.8	X	227.56182	213.53881	58.48033	5.35030	0.2140675	0.27235478	2.3571075	21	—	—
339011 2004 GF_{71}	17.1	X	90.43239	77.69317	103.84759	3.32574	0.0826126	0.29665471	2.2265642	21	7 2.7	19.7
339012 2004 GT_{74}	15.7	X	51.08216	108.75701	80.40085	17.18494	0.1817560	0.17731892	3.1378535	21	6 3.3	19.5
339013 2004 GT_{76}	15.3	X	35.23569	173.70134	56.92180	17.97846	0.0794779	0.18104259	3.0946786	21	6 17.8	19.4
339014 2004 GC_{77}	17.1	X	255.88015	48.17396	185.93423	22.76762	0.2012937	0.27040813	2.3684064	21	—	—
339015 2004 GF_{78}	17.4	X	235.22045	59.78952	211.11816	6.08284	0.1931841	0.27414967	2.3468080	21	—	—
339016 2004 GC_{80}	16.6	X	102.62239	98.34062	26.80361	10.40273	0.0238501	0.28920833	2.2646209	21	4 17.9	19.0
339017 2004 GB_{81}	16.0	X	46.56087	151.17929	352.94973	11.13717	0.1108871	0.17417058	3.1755541	21	3 18.6	19.8
339018 2004 GO_{83}	16.0	X	132.57622	86.25310	43.72381	10.06462	0.0759980	0.18232055	3.0802003	21	6 15.9	20.6
339019 2004 HH	18.2	X	279.57672	304.15725	322.23879	4.82937	0.1453837	0.39504673	1.8395167	21	1 10.1	20.3
339020 2004 HJ_{2}	17.5	X	266.90503	350.75176	218.05090	4.62654	0.1403503	0.27139129	2.3626829	21	—	—
339021 2004 HC_{10}	17.3	X	283.36241	173.62113	67.62142	7.31859	0.2169564	0.27582658	2.3372866	21	—	—
339022 2004 HW_{17}	15.5	X	56.46935	155.01628	13.34615	9.12308	0.1559373	0.17573722	3.1566533	21	5 8.2	19.5
339023 2004 HA_{25}	16.1	X	132.10745	108.26052	42.18081	10.09301	0.1084829	0.18488121	3.0516932	21	7 16.9	20.9
339024 2004 HO_{25}	15.6	X	96.05137	88.15676	44.92020	16.56661	0.1297875	0.17632883	3.1495886	21	5 14.6	20.1
339025 2004 HF_{27}	17.5	X	245.32019	253.07979	340.30656	1.95252	0.1610370	0.27056623	2.3674836	21	—	—
339026 2004 HF_{28}	17.1	X	288.71727	154.77671	100.35705	4.73009	0.1471625	0.27945572	2.3170072	21	1 25.6	20.4
339027 2004 HU_{29}	17.3	X	187.49848	12.54084	270.16340	2.60006	0.2085369	0.26684798	2.3894252	21	—	—
339028 2004 HB_{33}	16.9	X	344.33980	136.32389	107.19872	7.21413	0.1352648	0.28801491	2.2708724	21	4 1.5	19.2
339029 2004 HQ_{34}	15.1	X	187.50040	66.15474	64.30232	13.91180	0.1291460	0.19067964	2.9895088	21	8 21.3	20.1
339030 2004 HL_{36}	17.0	X	103.25932	149.01345	34.96045	7.60549	0.1063696	0.29821704	2.2187809	21	7 31.1	19.9
339031 2004 HY_{37}	15.6	X	161.94914	51.88010	46.70813	10.75020	0.0961426	0.18368166	3.0649650	21	6 9.7	20.4
339032 2004 HG_{39}	16.1	X	99.27723	309.62878	188.35797	10.66169	0.1425352	0.18234857	3.0798848	21	5 28.9	20.6
339033 2004 HX_{46}	17.1	X	67.46213	195.22603	10.81794	8.50272	0.0973514	0.29626463	2.2285182	21	7 8.8	19.7
339034 2004 HO_{53}	15.7	X	86.60152	91.85095	83.70818	18.56608	0.2386176	0.18292704	3.0733884	21	7 12.7	20.3
339035 2004 HV_{62}	16.4	X	79.40264	154.14370	37.45638	5.79088	0.0919516	0.18036605	3.1024123	21	7 3.6	20.8
339036 2004 HU_{66}	16.2	X	130.20546	105.48426	33.14309	8.77631	0.1330992	0.18302039	3.0723433	21	6 30.8	21.0
339037 2004 JH_{1}	17.4	X	223.20059	26.99712	225.39124	4.83505	0.1296870	0.26802877	2.3824024	21	—	—
339038 2004 JA_{13}	17.6	X	201.65538	129.67662	181.78552	24.11229	0.0772228	0.38886458	1.8589618	21	—	—
339039 2004 JM_{14}	16.7	X	193.74034	192.35197	95.74549	7.26905	0.1411724	0.26726479	2.3869402	21	—	—
339040 2004 JH_{25}	17.6	X	257.30062	201.06531	56.49357	2.89632	0.1971841	0.27399627	2.3476839	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
339041 2004 JD_{28}	17.6	X	137.79896	289.23834	26.07991	1.15795	0.2217746	0.26064503	2.4271862	21	—	—
339042 2004 JN_{31}	17.1	X	26.46972	350.86786	209.69929	4.65643	0.1214862	0.28760484	2.2730305	21	4 14.2	19.0
339043 2004 JH_{34}	17.0	X	188.21209	179.42930	103.19794	5.98982	0.2089560	0.26455295	2.4032243	21	—	—
339044 2004 JZ_{40}	15.4	X	130.20677	23.70021	85.82699	17.55318	0.1053971	0.17575374	3.1564554	21	5 25.6	20.3
339045 2004 KK_{4}	17.2	X	247.08072	41.23291	238.10042	6.36739	0.1058731	0.27530152	2.3402575	21	1 14.7	20.8
339046 2004 KK_{11}	17.4	X	186.31372	250.13974	57.70935	5.37393	0.2382613	0.26725177	2.3870178	21	—	—
339047 2004 LD_{11}	17.3	X	352.44720	109.05852	116.23036	6.46108	0.1104735	0.28438371	2.2901622	21	3 22.5	19.6
339048 2004 LY_{23}	15.8	X	169.20575	74.75484	252.98393	21.33911	0.1973814	0.26266523	2.4147249	21	1 3.4	19.7
339049 2004 LV_{29}	17.3	X	119.91283	126.37284	240.36600	4.47756	0.1273083	0.26047150	2.4282640	21	—	—
339050 2004 MC_{3}	16.7	X	148.02873	21.00056	315.03660	7.81067	0.2751360	0.26032639	2.4291663	21	1 6.2	20.3
339051 2004 MC_{6}	17.6	X	181.29100	120.25930	222.32318	19.81474	0.1405764	0.38639882	1.8668619	21	1 4.9	20.2
339052 2004 NH	17.0	X	140.17010	220.44518	93.38917	5.90346	0.1990720	0.25703622	2.4498519	21	—	—
339053 2004 NM_{2}	16.1	X	53.23742	9.22738	314.98311	15.16269	0.1388076	0.24362806	2.5389327	21	11 30.0	19.9
339054 2004 NU_{9}	16.9	X	232.61450	140.29660	128.58612	4.74106	0.2015618	0.26678416	2.3898063	21	—	—
339055 2004 NK_{17}	16.7	X	167.82766	8.21158	286.41202	6.91103	0.2158658	0.25826459	2.4420777	21	—	—
339056 2004 OW	17.2	X	180.98734	260.03935	36.25877	3.46549	0.1837906	0.26200822	2.4187600	21	—	—
339057 2004 OJ_{8}	17.3	X	129.17960	237.42050	103.65808	5.36730	0.2204901	0.25818142	2.4426021	21	—	—
339058 2004 PX_{7}	17.3	X	138.77283	77.77472	248.15852	3.99351	0.2230749	0.25578554	2.4578312	21	—	—
339059 2004 PD_{22}	17.3	X	154.54066	174.49196	139.54247	4.56563	0.2087103	0.25817058	2.4426705	21	—	—
339060 2004 PL_{23}	17.6	X	161.67145	65.96792	259.85504	1.26164	0.1872244	0.26026953	2.4295201	21	—	—
339061 2004 PZ_{29}	17.4	X	182.29824	7.73273	337.77282	20.21027	0.0560211	0.38130160	1.8834625	21	1 11.4	19.7
339062 2004 PM_{42}	17.8	X	139.82592	93.14282	317.38760	22.49825	0.1327631	0.38453419	1.8728920	21	2 18.3	19.5
339063 2004 PA_{51}	17.6	X	181.15444	271.92271	46.14742	2.87692	0.1920545	0.26260034	2.4151227	21	1 6.1	21.3
339064 2004 PW_{53}	16.4	X	115.15242	13.90768	7.89560	6.95295	0.1083055	0.25840524	2.4411914	21	1 2.8	19.4
339065 2004 PC_{55}	17.5	X	170.36774	14.59566	330.06456	19.40509	0.0918329	0.38046134	1.8862345	21	—	—
339066 2004 PR_{68}	16.9	X	75.44139	217.67193	161.61002	14.86372	0.1190658	0.25247240	2.4792868	21	—	—
339067 2004 PP_{91}	16.7	X	126.66235	22.05600	338.45571	5.67239	0.1538830	0.25849561	2.4406224	21	—	—
339068 2004 PY_{95}	17.2	X	133.79610	168.79068	151.31245	3.99290	0.1929745	0.25413021	2.4684927	21	—	—
339069 2004 PQ_{102}	16.5	X	152.44114	11.56211	302.79192	5.76504	0.1298355	0.25464561	2.4651608	21	—	—
339070 2004 PN_{107}	17.0	X	166.47784	100.44540	240.59247	20.65011	0.0592440	0.37898492	1.8911302	21	—	—
339071 2004 PH_{111}	17.3	X	128.55223	311.20867	46.99081	2.35848	0.2051402	0.25668690	2.4520740	21	1 4.2	20.5
339072 2004 QK_{13}	15.8	X	3.45231	111.41222	340.42803	26.28921	0.3827385	0.23726254	2.5841433	21	—	—
339073 2004 QP_{18}	16.1	X	138.30262	264.88381	64.17809	11.97870	0.3031139	0.25727371	2.4483441	21	—	—
339074 2004 QQ_{21}	16.5	X	102.41262	349.47261	350.39921	6.95316	0.1231359	0.25114203	2.4880348	21	—	—
339075 2004 RE_{2}	17.3	X	199.54647	7.76733	256.12153	19.53358	0.0507241	0.37174788	1.9155951	21	—	—
339076 2004 RU_{17}	17.1	X	111.86448	195.28117	186.42355	2.15647	0.2231622	0.25635598	2.4541837	21	1 15.2	20.1
339077 2004 RJ_{18}	16.5	X	51.82883	311.29247	82.18738	8.27720	0.1515077	0.24772064	2.5108913	21	—	—
339078 2004 RR_{21}	17.4	X	139.78779	159.56425	172.71098	2.41078	0.2226562	0.25559767	2.4590355	21	—	—
339079 2004 RH_{23}	17.3	X	245.79925	205.26548	68.66688	1.78807	0.1028971	0.26428488	2.4048491	21	1 10.3	20.8
339080 2004 RM_{24}	17.3	X	138.84361	260.41621	353.16846	18.82523	0.0505183	0.35910523	1.9602956	21	12 25.9	20.1
339081 2004 RF_{28}	17.7	X	198.61116	135.70131	158.38753	1.80361	0.2300696	0.26174161	2.4204022	21	—	—
339082 2004 RC_{41}	17.2	X	131.01016	163.97225	137.97590	2.64110	0.1884816	0.25084693	2.4899857	21	—	—
339083 2004 RK_{71}	17.0	X	11.22853	273.28869	201.45009	6.51356	0.0638841	0.25617363	2.4553483	21	—	—
339084 2004 RQ_{74}	17.2	X	186.19515	111.38183	170.94875	23.59621	0.0613638	0.37068588	1.9192521	21	—	—
339085 2004 RG_{78}	16.7	X	140.95510	324.54552	24.14354	8.01281	0.1396778	0.25590331	2.4570771	21	—	—
339086 2004 RM_{86}	16.9	X	120.47609	151.38228	162.18209	13.47728	0.2302346	0.25228688	2.4805021	21	—	—
339087 2004 RV_{100}	17.8	X	81.72795	146.00566	180.52073	10.57602	0.2409941	0.24555752	2.5256155	21	—	—
339088 2004 RK_{109}	17.7	X	335.85641	171.81962	354.39458	18.24714	0.0681445	0.37578558	1.9018488	21	—	—
339089 2004 RO_{110}	17.2	X	84.18549	157.93339	193.53058	21.89103	0.0708047	0.36530714	1.9380454	21	—	—
339090 2004 RA_{114}	16.8	X	116.29472	83.22283	313.88207	17.76978	0.1314298	0.37597530	1.9012089	21	—	—
339091 2004 RX_{118}	17.7	X	95.05178	89.32199	235.60027	1.34095	0.1997397	0.24672297	2.5176556	21	—	—
339092 2004 RK_{129}	17.0	X	314.46797	158.35825	173.60285	5.94348	0.0630033	0.22472020	2.6794231	21	7 1.8	20.5
339093 2004 RN_{151}	16.7	X	99.13451	353.96835	27.96130	10.73594	0.1833219	0.25290704	2.4764455	21	—	—
339094 2004 RU_{158}	17.4	X	88.92404	79.00104	257.64898	2.21388	0.1634107	0.24687822	2.5166000	21	—	—
339095 2004 RA_{159}	17.6	X	150.64676	119.85262	206.88730	9.01995	0.1621077	0.25620582	2.4551426	21	—	—
339096 2004 RD_{161}	17.5	X	117.28510	42.32776	18.16086	21.95207	0.0852957	0.37846144	1.8928736	21	2 8.9	19.8
339097 2004 RD_{162}	17.2	X	98.77721	90.16231	217.05240	11.19314	0.2438802	0.24609253	2.5219536	21	—	—
339098 2004 RH_{166}	17.7	X	126.72456	313.83227	44.76566	1.93649	0.1839436	0.25708788	2.4495237	21	—	—
339099 2004 RU_{167}	16.8	X	86.54112	337.27681	346.14445	13.43584	0.1577583	0.24474514	2.5312012	21	—	—
339100 2004 RZ_{169}	17.2	X	109.52670	83.64705	197.67125	10.06220	0.1382936	0.24423833	2.5347016	21	12 9.2	21.3
339101 2004 RN_{173}	15.9	X	36.70670	351.48203	25.75279	12.47012	0.1957769	0.23858801	2.5745637	21	—	—
339102 2004 RH_{175}	17.0	X	197.70917	104.88591	264.09131	6.36956	0.2108605	0.26917109	2.3756572	21	3 19.4	21.0
339103 2004 RB_{180}	17.0	X	125.29524	138.98275	232.27705	4.79068	0.1364642	0.25725911	2.4484367	21	1 5.7	20.2
339104 2004 RF_{197}	16.9	X	89.70529	190.68262	192.31118	6.80250	0.1339513	0.25182956	2.4835043	21	—	—
339105 2004 RA_{204}	18.0	X	95.70001	108.48923	274.22941	2.28202	0.1860778	0.25369329	2.4713261	21	—	—
339106 2004 RY_{206}	14.7	X	16.25572	25.77836	277.50242	20.98784	0.0823570	0.17336508	3.1853828	21	8 16.0	19.2
339107 2004 RC_{207}	16.8	X	87.16050	146.23383	253.16972	12.20742	0.2469370	0.25454380	2.4658181	21	1 2.4	19.1
339108 2004 RK_{212}	16.8	X	32.47079	185.01507	230.50548	14.08596	0.2217881	0.24603572	2.5223418	21	—	—
339109 2004 RT_{216}	16.0	X	130.29295	17.44059	261.59025	12.67227	0.1335976	0.24468213	2.5316357	21	12 24.9	19.9
339110 2004 RV_{218}	16.4	X	66.21187	53.77562	300.18190	11.15985	0.1439812	0.24270784	2.5453461	21	—	—
339111 2004 RC_{221}	15.9	X	91.03482	337.97558	335.08265	13.47996	0.2235717	0.24124819	2.5556027	21	—	—
339112 2004 RQ_{221}	16.6	X	117.91787	105.55550	245.10376	14.80566	0.1681122	0.25258918	2.4785226	21	—	—
339113 2004 RZ_{223}	17.6	X	128.00708	23.86093	319.79867	1.80196	0.2073869	0.25421663	2.4679332	21	—	—
339114 2004 RK_{230}	16.5	X	102.30649	284.33197	1.31944	5.17368	0.0868903	0.23846793	2.5754279	21	12 1.2	20.4
339115 2004 RW_{232}	18.2	X	57.19874	355.47056	9.98042	5.33949	0.3058726	0.24354610	2.5395022	21	—	—
339116 2004 RN_{233}	17.6	X	21.29960	1.40139	34.22364	1.93672	0.1683940	0.24095463	2.5576780	21	—	—
339117 2004 RZ_{246}	16.4	X	114.40695	63.00611	230.68947	11.65661	0.0160278	0.24225824	2.5484943	21	12 21.3	20.0
339118 2004 RR_{247}	17.7	X	136.55532	186.25296	200.94485	21.64688	0.1045481	0.37951686	1.8893627	21	1 4.1	20.1
339119 2004 RC_{249}	17.2	X	14.47009	254.59811	237.56731	19.86845	0.0793197	0.37359686	1.9092695	21	—	—
339120 2004 RE_{249}	17.1	X	358.13153	228.14827	246.75170	18.89243	0.0900697	0.36734078	1.9308859	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
339121 2004 RB_{252}	17.6	X	98.45365	112.20180	268.53363	5.44974	0.1847414	0.25564645	2.4587226	21	—	—
339122 2004 RD_{255}	17.3	X	174.00319	319.55098	14.75046	20.95821	0.0822080	0.37698901	1.8977992	21	—	—
339123 2004 RC_{266}	17.4	X	59.87623	26.53011	39.35827	2.79284	0.1636871	0.25347231	2.4727623	21	—	—
339124 2004 RB_{292}	17.5	X	231.44422	7.81772	188.02202	22.86053	0.0071210	0.36238433	1.9484523	21	—	—
339125 2004 RB_{304}	17.6	X	182.17152	22.25822	243.30877	3.96739	0.1488978	0.25331886	2.4737608	21	—	—
339126 2004 RD_{319}	16.5	X	257.83534	209.42439	170.60617	9.94176	0.0663723	0.22369494	2.6876040	21	6 18.7	20.4
339127 2004 RF_{321}	16.9	X	113.79436	88.92020	209.06485	12.66739	0.1895373	0.24567593	2.5248038	21	—	—
339128 2004 RM_{325}	15.8	X	86.87333	62.41646	294.38404	5.08090	0.2668327	0.24475737	2.5311169	21	—	—
339129 2004 RG_{329}	16.9	X	49.97018	131.18709	245.16049	5.78808	0.1474063	0.24441864	2.5334548	21	—	—
339130 2004 RA_{336}	18.6	X	57.37595	139.03893	223.37454	3.86561	0.2215008	0.24297776	2.5434607	21	—	—
339131 2004 RP_{337}	17.8	X	81.40489	309.82909	14.81713	1.82946	0.2254845	0.24298104	2.5434378	21	—	—
339132 2004 RC_{356}	17.7	X	97.72254	290.30546	41.13915	5.57682	0.1993266	0.24590518	2.5232344	21	—	—
339133 2004 SO_{2}	16.4	X	93.47040	354.83709	44.68628	13.02883	0.1813207	0.25588867	2.4571708	21	1 5.6	19.2
339134 2004 SW_{11}	16.2	X	132.89013	315.00687	54.62698	15.34604	0.1316824	0.25817733	2.4426279	21	1 15.1	19.7
339135 2004 SP_{16}	16.1	X	95.55481	21.80602	33.00195	13.06249	0.1867680	0.25695904	2.4503424	21	2 5.3	19.1
339136 2004 SG_{45}	14.8	X	10.40075	189.59801	243.84226	3.36325	0.3308857	0.12485650	3.9645627	21	—	—
339137 2004 SC_{48}	16.2	X	340.14865	149.21081	235.39338	11.15480	0.1625032	0.23024456	2.6363909	21	10 25.4	18.7
339138 2004 SU_{58}	17.1	X	67.07368	300.04639	61.44843	9.40176	0.2410668	0.24543118	2.5264821	21	—	—
339139 2004 SW_{58}	17.5	X	94.19637	347.83262	36.04451	21.59010	0.0828918	0.36955230	1.9231749	21	—	—
339140 2004 SN_{59}	17.6	X	56.36838	55.69805	12.46356	22.11139	0.1134211	0.36746544	1.9304492	21	—	—
339141 2004 TJ	17.0	X	24.64126	7.36284	9.08785	5.59982	0.1526625	0.24040654	2.5615639	21	—	—
339142 2004 TW_{3}	17.3	X	326.97177	83.71186	21.83635	6.73101	0.1093722	0.24244631	2.5471762	21	—	—
339143 2004 TD_{5}	16.5	X	164.92053	253.78850	27.22380	9.98267	0.0590093	0.24466170	2.5317766	21	—	—
339144 2004 TX_{5}	16.9	X	35.44248	8.64347	23.98788	8.49763	0.1752568	0.24253582	2.5465495	21	—	—
339145 2004 TA_{6}	17.1	X	351.44239	247.95158	189.15965	16.37948	0.1228695	0.24255884	2.5463884	21	—	—
339146 2004 TG_{7}	16.6	X	98.75513	278.02518	108.53962	7.24827	0.1280795	0.25347719	2.4727305	21	—	—
339147 2004 TY_{8}	18.7	X	173.88509	196.41568	70.73658	0.38669	0.1704828	0.36681721	1.9327228	21	—	—
339148 2004 TT_{9}	16.2	X	324.49002	255.50707	204.21100	26.51768	0.4577873	0.23310588	2.6147724	21	—	—
339149 2004 TU_{10}	18.0	X	52.92020	54.28602	19.96272	20.72401	0.1093163	0.36931184	1.9240096	21	—	—
339150 2004 TQ_{11}	17.3	X	248.27010	249.24265	274.16264	17.19049	0.0701255	0.35772873	1.9653210	21	—	—
339151 2004 TJ_{13}	17.1	X	37.39650	155.89656	267.38740	18.09632	0.0732755	0.36673724	1.9330038	21	—	—
339152 2004 TQ_{23}	17.5	X	48.18178	18.04137	350.91516	3.92725	0.1935552	0.24286347	2.5442586	21	—	—
339153 2004 TT_{28}	14.7	X	341.34819	75.83459	19.58062	10.00123	0.2408998	0.12370552	3.9891160	21	—	—
339154 2004 TB_{37}	17.4	X	166.54162	95.18504	199.57734	5.77961	0.1795711	0.25187489	2.4832063	21	—	—
339155 2004 TT_{44}	17.3	X	93.24442	327.70016	8.52101	3.64333	0.1538021	0.24428398	2.5343858	21	—	—
339156 2004 TD_{46}	16.2	X	110.53435	97.56620	213.15902	13.26257	0.0044648	0.24090402	2.5580362	21	—	—
339157 2004 TG_{52}	17.2	X	345.91621	210.60061	228.12032	3.43662	0.1961207	0.23845431	2.5755260	21	—	—
339158 2004 TO_{53}	17.2	X	19.51344	142.89033	211.08337	12.32170	0.1079103	0.23331245	2.6132288	21	11 19.1	20.4
339159 2004 TT_{54}	17.0	X	34.00768	354.21080	36.56931	13.95541	0.1743746	0.24084445	2.5584580	21	—	—
339160 2004 TS_{56}	17.6	X	58.76132	61.92131	290.26666	1.87740	0.1296303	0.24241855	2.5473707	21	—	—
339161 2004 TS_{61}	17.5	X	85.54078	0.00647	25.95015	5.66934	0.2262820	0.25098816	2.4890516	21	—	—
339162 2004 TJ_{63}	16.9	X	173.98547	59.85977	214.59499	2.45268	0.0568289	0.24719040	2.5144808	21	—	—
339163 2004 TK_{66}	17.4	X	67.43274	283.04621	65.42417	6.08991	0.3213696	0.24386360	2.5372975	21	—	—
339164 2004 TO_{66}	17.1	X	85.44002	359.03778	37.81265	22.86607	0.0507177	0.36919999	1.9243981	21	—	—
339165 2004 TO_{67}	17.2	X	48.44045	281.00126	73.79932	7.97336	0.3461364	0.24132660	2.5550491	21	—	—
339166 2004 TO_{68}	17.1	X	26.36796	309.60216	83.30091	5.80514	0.2378894	0.24100996	2.5572865	21	—	—
339167 2004 TE_{69}	14.5	X	20.07511	8.05941	50.16624	8.86110	0.2463586	0.12566412	3.9475581	21	—	—
339168 2004 TW_{77}	18.0	X	148.15886	322.74103	30.70496	21.18558	0.0934527	0.37479272	1.9052061	21	—	—
339169 2004 TG_{87}	17.5	X	26.42755	326.18462	62.15881	0.86148	0.1119107	0.24169009	2.5524867	21	—	—
339170 2004 TQ_{89}	17.7	X	53.29798	314.89376	135.21355	1.88104	0.1535185	0.25384518	2.4703402	21	—	—
339171 2004 TV_{92}	18.5	X	53.46158	19.08157	15.43180	5.71547	0.2416408	0.24526886	2.5275967	21	—	—
339172 2004 TQ_{93}	17.2	X	195.36411	211.57070	17.99432	1.80102	0.1029980	0.24311480	2.5425048	21	12 30.9	20.9
339173 2004 TT_{95}	17.6	X	36.14006	184.42667	198.16506	2.48638	0.1131194	0.24129955	2.5552401	21	—	—
339174 2004 TQ_{105}	17.4	X	356.81338	254.81865	195.97105	5.24388	0.1710279	0.24450738	2.5328418	21	—	—
339175 2004 TC_{110}	16.2	X	29.46346	267.84406	142.17438	6.44319	0.1568980	0.24251551	2.5466917	21	—	—
339176 2004 TW_{114}	16.9	X	26.60339	216.67190	181.27985	5.73565	0.0665234	0.24008040	2.5638833	21	—	—
339177 2004 TE_{129}	16.5	X	323.80041	0.83514	103.70541	4.18037	0.1794148	0.24078677	2.5588666	21	—	—
339178 2004 TQ_{134}	17.0	X	98.78306	186.80938	211.32550	6.55532	0.0866105	0.25538844	2.4603783	21	—	—
339179 2004 TY_{137}	17.5	X	21.81510	253.65603	198.37318	21.30669	0.1022795	0.36524226	1.9382749	21	—	—
339180 2004 TD_{143}	17.2	X	112.45898	63.36736	239.29356	4.61602	0.2382759	0.24430093	2.5342686	21	—	—
339181 2004 TV_{145}	17.5	X	75.13615	201.12395	136.95953	2.10478	0.1577161	0.24357752	2.5392838	21	—	—
339182 2004 TM_{147}	17.4	X	85.19232	50.20012	288.81934	2.18528	0.1708448	0.24469361	2.5315565	21	—	—
339183 2004 TG_{150}	15.3	X	8.42846	171.30955	251.05658	1.77342	0.1894180	0.12445707	3.9730406	21	—	—
339184 2004 TE_{156}	15.6	X	355.92302	54.69305	37.02551	3.34973	0.2173579	0.12485186	3.9646609	21	—	—
339185 2004 TN_{159}	16.3	X	31.15227	347.09138	27.07398	9.46803	0.1713420	0.23852372	2.5750263	21	—	—
339186 2004 TP_{162}	16.2	X	174.70094	219.09823	37.78419	15.23340	0.0527687	0.24223102	2.5486853	21	—	—
339187 2004 TV_{162}	17.9	X	12.43791	48.36760	39.66695	4.71287	0.2416175	0.24365351	2.5387559	21	—	—
339188 2004 TM_{166}	17.9	X	102.53742	176.88554	202.08225	4.06386	0.1667133	0.25317522	2.4746964	21	—	—
339189 2004 TC_{170}	17.8	X	33.30523	340.94645	48.53944	7.20411	0.2953816	0.24133053	2.5550214	21	—	—
339190 2004 TG_{171}	17.2	X	324.26258	240.01642	247.11869	18.31722	0.0609967	0.36584194	1.9361562	21	—	—
339191 2004 TB_{184}	14.6	X	341.30771	98.87923	1.56921	8.63603	0.2107574	0.12406803	3.9813417	21	—	—
339192 2004 TD_{185}	17.3	X	172.78280	249.53784	14.09207	19.94031	0.0666177	0.36410117	1.9423225	21	—	—
339193 2004 TH_{201}	17.7	X	33.21949	248.69047	126.03730	1.50102	0.1450011	0.23960969	2.5672399	21	—	—
339194 2004 TK_{202}	17.6	X	82.72450	94.82363	244.18291	5.59798	0.2763713	0.24295096	2.5436478	21	—	—
339195 2004 TK_{205}	17.4	X	54.68210	146.03839	226.92141	4.15868	0.2330686	0.24161228	2.5530347	21	—	—
339196 2004 TR_{209}	17.2	X	359.75745	258.53723	187.88832	7.60642	0.2103462	0.24422790	2.5347737	21	—	—
339197 2004 TX_{211}	17.8	X	31.71702	34.72269	20.62562	4.47661	0.1199218	0.24436376	2.5338341	21	—	—
339198 2004 TA_{217}	17.1	X	3.47374	209.18228	224.21229	2.80045	0.1017465	0.24431636	2.5341619	21	—	—
339199 2004 TQ_{222}	16.5	X	7.54521	40.54150	320.72263	9.29972	0.1155605	0.23410839	2.6073023	21	11 6.3	19.7
339200 2004 TE_{224}	15.3	X	11.89282	117.16246	297.76215	1.69535	0.2264207	0.12505759	3.9603114	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
339201 2004 TK_{226}	16.3	X	207.40728	149.50117	22.91769	13.24288	0.0936736	0.23612431	2.5924412	21	10 31.3	20.2
339202 2004 TK_{232}	15.1	X	26.33224	29.80641	19.12196	5.29337	0.2498020	0.12414349	3.9797282	21	—	—
339203 2004 TN_{245}	17.3	X	94.67766	278.95369	15.26401	11.65889	0.1916568	0.24114693	2.5563180	21	12 11.9	21.6
339204 2004 TB_{246}	17.5	X	90.02585	268.17134	49.66190	1.12618	0.2257359	0.24418738	2.5350541	21	—	—
339205 2004 TK_{258}	17.1	X	89.47504	278.59229	9.73880	2.76348	0.0632335	0.23546313	2.5972920	21	11 17.6	20.7
339206 2004 TP_{260}	17.4	X	336.41791	347.99449	74.22210	1.72118	0.0134374	0.23780829	2.5801883	21	12 8.4	20.7
339207 2004 TP_{265}	17.3	X	305.25368	77.06419	30.11033	6.77607	0.0573215	0.23811727	2.5779557	21	12 23.4	20.4
339208 2004 TM_{266}	17.7	X	21.22342	226.82738	217.53758	1.78208	0.1242654	0.24611103	2.5218272	21	—	—
339209 2004 TT_{269}	17.0	X	85.33836	190.69290	125.28840	0.92234	0.2002346	0.24064973	2.5598379	21	12 31.6	21.1
339210 2004 TK_{272}	16.6	X	35.30901	147.91809	283.31526	2.85570	0.1450686	0.24550882	2.5259494	21	—	—
339211 2004 TN_{272}	16.7	X	106.35353	307.56404	22.21366	6.42751	0.0518748	0.24230631	2.5481573	21	—	—
339212 2004 TN_{274}	16.2	X	117.99118	304.72431	36.98179	14.36257	0.0636623	0.24626776	2.5207571	21	—	—
339213 2004 TQ_{274}	17.1	X	282.44997	228.15447	230.02084	4.50785	0.1693888	0.23007769	2.6376654	21	10 20.9	20.2
339214 2004 TT_{275}	16.6	X	207.26823	147.82516	40.86367	14.30846	0.0560100	0.23430936	2.6058112	21	11 24.6	20.2
339215 2004 TH_{276}	17.1	X	337.36355	61.57136	52.28773	3.91098	0.1527848	0.24183198	2.5514882	21	—	—
339216 2004 TT_{287}	17.0	X	108.89389	332.88281	43.00870	21.94271	0.1109416	0.36801813	1.9285160	21	—	—
339217 2004 TB_{288}	17.1	X	171.40987	236.00119	137.45896	1.35493	0.2019614	0.26204113	2.4185574	21	3 6.6	21.0
339218 2004 TH_{299}	17.8	X	27.03949	106.03917	312.77040	4.62978	0.3219081	0.24312998	2.5423990	21	—	—
339219 2004 TV_{300}	16.6	X	21.24975	335.27008	8.13644	10.97639	0.2674712	0.23381237	2.6095026	21	11 28.9	19.7
339220 2004 TW_{308}	16.5	X	114.10897	27.74578	267.52365	7.67976	0.2173798	0.24431186	2.5341930	21	—	—
339221 2004 TD_{322}	17.1	X	64.43253	340.21186	3.63934	1.62757	0.1664383	0.23897600	2.5717763	21	—	—
339222 2004 TC_{324}	16.4	X	139.83326	272.42867	57.53894	6.18784	0.0487130	0.24703906	2.5155076	21	—	—
339223 Stongemorin	17.8	X	26.19014	88.62741	333.39177	4.02593	0.2676937	0.24288179	2.5441307	21	—	—
339224 2004 TD_{326}	16.3	X	111.94958	268.18708	59.42842	3.66766	0.0225356	0.24433597	2.5340263	21	—	—
339225 2004 TD_{327}	16.6	X	59.82884	105.95585	255.27177	12.44795	0.1952870	0.24123091	2.5557247	21	—	—
339226 2004 TE_{331}	17.8	X	34.29539	17.08998	4.71375	1.58642	0.1797434	0.24026087	2.5625992	21	—	—
339227 2004 TE_{342}	16.3	X	61.57715	263.58017	112.08261	13.94314	0.1878117	0.24371865	2.5383034	21	—	—
339228 2004 TD_{347}	16.8	X	1.44543	83.70488	343.40896	6.47964	0.2015224	0.24055248	2.5605277	21	—	—
339229 2004 TD_{367}	17.2	X	40.47721	133.87566	239.95574	3.45327	0.1969501	0.23995723	2.5647605	21	—	—
339230 2004 TW_{367}	17.9	X	36.42496	39.65004	353.65694	4.69227	0.1737862	0.24341178	2.5404363	21	—	—
339231 2004 TO_{369}	17.6	X	332.94386	238.66751	227.99229	11.36792	0.2537356	0.23828134	2.5767722	21	—	—
339232 2004 UD	16.9	X	180.68996	96.61343	243.39208	20.10504	0.0970497	0.37619519	1.9004680	21	—	—
339233 2004 UG	15.3	X	265.40816	121.74006	33.31787	31.53846	0.3982033	0.22581706	2.6707396	21	11 1.1	19.1
339234 2004 UF_{6}	16.9	X	351.60750	16.95243	51.69093	5.28450	0.2655516	0.23731939	2.5837306	21	—	—
339235 2004 UH_{9}	17.6	X	18.94277	30.94531	38.66823	6.70205	0.2760443	0.24190683	2.5509618	21	—	—
339236 2004 UK_{9}	16.5	X	344.72156	37.14939	43.44680	9.73707	0.0979346	0.23853642	2.5749349	21	—	—
339237 2004 UT_{9}	17.0	X	101.41008	89.95659	281.00577	18.41966	0.1325280	0.36683750	1.9326516	21	—	—
339238 2004 VG_{1}	16.0	X	14.21808	246.55937	49.14883	13.49011	0.2109000	0.22441776	2.6818299	21	9 8.1	18.9
339239 2004 VU_{6}	16.3	X	343.28543	357.77222	62.74234	11.75883	0.1116923	0.23526915	2.5987194	21	12 20.6	19.3
339240 2004 VS_{15}	17.1	X	66.71174	108.90390	265.18288	4.41991	0.2754936	0.24361145	2.5390480	21	—	—
339241 2004 VS_{16}	17.5	X	8.27028	234.29113	177.37675	12.47164	0.2316546	0.23779797	2.5802629	21	—	—
339242 2004 VW_{17}	17.5	X	74.08294	249.83328	90.43356	3.02967	0.2058485	0.24177515	2.5518880	21	—	—
339243 2004 VL_{19}	16.7	X	50.00511	318.09938	62.18261	9.85373	0.2434017	0.24170848	2.5523572	21	—	—
339244 2004 VX_{20}	16.5	X	114.12884	124.41626	217.37544	8.07811	0.0946434	0.24688084	2.5165822	21	—	—
339245 2004 VK_{21}	17.0	X	21.26571	291.85094	141.64828	1.85712	0.2117042	0.24272747	2.5452089	21	—	—
339246 2004 VU_{23}	17.6	X	59.38104	147.10508	235.97402	20.18476	0.1031125	0.36058940	1.9549129	21	—	—
339247 2004 VH_{24}	16.4	X	12.13232	209.76156	207.29275	3.79723	0.2348672	0.23870756	2.5737040	21	—	—
339248 2004 VH_{30}	17.1	X	61.37266	251.52003	71.12092	5.22649	0.2344887	0.23702618	2.5858609	21	12 19.9	21.0
339249 2004 VV_{38}	17.4	X	38.87509	298.97618	70.52954	1.94456	0.1165211	0.23757771	2.5818574	21	—	—
339250 2004 VJ_{50}	16.4	X	355.73544	245.93402	220.43003	16.56851	0.1309870	0.24291170	2.5439219	21	—	—
339251 2004 VH_{53}	16.5	X	32.82744	130.12318	248.93614	3.39801	0.2084338	0.23778816	2.5803339	21	—	—
339252 2004 VB_{54}	16.0	X	80.82174	1.46958	15.39104	20.48550	0.2733065	0.24464102	2.5319194	21	—	—
339253 2004 VN_{54}	17.5	X	48.19618	29.22281	39.46467	20.62512	0.1004237	0.36647547	1.9339242	21	—	—
339254 2004 VN_{55}	15.8	X	355.96452	320.90196	38.83133	14.17997	0.0906330	0.22838172	2.6507076	21	10 19.3	18.8
339255 2004 VJ_{57}	17.0	X	24.57434	64.05104	21.82668	5.41701	0.2212897	0.24433199	2.5340538	21	—	—
339256 2004 VF_{59}	16.5	X	333.32010	201.55506	246.55853	11.17644	0.1450712	0.23718720	2.5846905	21	—	—
339257 2004 VZ_{59}	17.4	X	352.38153	68.36467	334.32167	2.63566	0.2538694	0.23443508	2.6048796	21	12 30.4	19.7
339258 2004 VQ_{64}	15.7	X	333.24169	126.97064	293.09474	10.96079	0.2819066	0.22895545	2.6462776	21	12 9.2	17.6
339259 2004 VG_{66}	17.6	X	35.58118	69.02661	338.81405	1.54715	0.0906225	0.24325645	2.5415177	21	—	—
339260 2004 VC_{70}	16.4	X	133.01618	270.96006	36.48241	7.12002	0.2353889	0.24385942	2.5373265	21	—	—
339261 2004 VX_{74}	16.7	X	16.11253	187.73433	226.90656	17.21967	0.1571112	0.24022875	2.5628276	21	—	—
339262 2004 VF_{75}	17.1	X	273.64022	296.64424	228.98524	19.55674	0.0351263	0.35964012	1.9583514	21	—	—
339263 2004 VS_{88}	16.6	X	102.38191	24.40598	271.38287	6.12080	0.1624898	0.23747278	2.5826179	21	12 19.8	20.7
339264 2004 VW_{89}	16.6	X	39.63268	146.54862	271.36391	4.79686	0.1234359	0.24367373	2.5386154	21	—	—
339265 2004 VS_{90}	17.2	X	146.39983	123.78027	207.94169	20.79575	0.0686522	0.36813146	1.9281201	21	—	—
339266 2004 VD_{91}	16.5	X	80.86991	97.25009	257.10731	10.46391	0.1740107	0.24368751	2.5385197	21	—	—
339267 2004 VJ_{91}	16.2	X	168.63241	188.32622	66.63776	12.24118	0.1661102	0.24048830	2.5609833	21	12 29.5	20.4
339268 2004 VN_{91}	16.9	X	64.23390	247.66747	139.97944	4.33479	0.2657430	0.24511865	2.5286292	21	—	—
339269 2004 WG_{3}	17.2	X	52.88073	286.80879	97.68588	4.26734	0.2234118	0.24226211	2.5484672	21	—	—
339270 2004 WH_{6}	16.9	X	54.64842	60.46007	330.96543	3.95395	0.2320380	0.24365849	2.5387212	21	—	—
339271 2004 WX_{9}	16.5	X	336.32775	271.07261	175.67987	13.17271	0.1453908	0.23671019	2.5881618	21	—	—
339272 2004 WY_{10}	16.4	X	13.06683	168.91526	239.09347	4.61491	0.0666146	0.23673464	2.5879835	21	—	—
339273 2004 XS_{2}	15.9	X	256.15691	250.17270	253.46922	13.41648	0.1455201	0.23041358	2.6351014	21	11 15.8	19.3
339274 2004 XB_{3}	16.6	X	18.95524	161.92498	247.37776	13.83158	0.1629930	0.23870516	2.5737213	21	—	—
339275 2004 XD_{7}	17.0	X	353.41766	194.83290	246.78635	3.28769	0.2467345	0.23759333	2.5817442	21	—	—
339276 2004 XV_{8}	15.9	X	322.90254	150.73123	285.62309	14.12220	0.1345954	0.23023965	2.6364283	21	12 6.5	18.8
339277 2004 XS_{9}	16.5	X	60.67923	97.23976	288.59758	2.66537	0.1321075	0.24169870	2.5524261	21	—	—
339278 2004 XR_{10}	16.5	X	47.04548	304.64085	76.90329	6.66859	0.2727518	0.23945536	2.5683429	21	—	—
339279 2004 XU_{10}	16.4	X	336.14206	11.87803	70.47099	12.57462	0.0342258	0.23540425	2.5977250	21	—	—
339280 2004 XQ_{14}	16.3	X	28.29301	264.11375	90.63968	28.38698	0.4299729	0.23354716	2.6114777	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
339281 2004 XQ_{15}	16.9	X	15.41765	359.71697	81.50756	6.62962	0.2538462	0.24227528	2.5483749	21	—	—
339282 2004 XJ_{17}	15.9	X	21.85014	121.82398	275.39459	11.22850	0.1386517	0.23478615	2.6022822	21	—	—
339283 2004 XB_{18}	16.0	X	330.04470	296.24179	133.87619	15.17258	0.1590596	0.23314257	2.6144981	21	12 15.1	18.8
339284 2004 XT_{18}	16.6	X	348.54287	345.80892	80.54730	8.43468	0.1952656	0.23534045	2.5981945	21	—	—
339285 2004 XD_{20}	16.4	X	15.59712	299.74848	76.22927	15.74626	0.1311709	0.23206691	2.6225709	21	12 14.2	19.4
339286 2004 XQ_{21}	16.5	X	301.55386	192.96873	288.00760	4.17422	0.1703718	0.23372565	2.6101480	21	12 28.5	19.0
339287 2004 XT_{23}	16.8	X	41.75500	105.45427	273.69376	7.88617	0.2882745	0.23933271	2.5692203	21	—	—
339288 2004 XK_{25}	16.0	X	328.24417	158.18839	291.30302	12.35955	0.1424860	0.23173249	2.6250934	21	—	—
339289 2004 XY_{25}	16.9	X	25.82083	355.54183	34.63637	4.70635	0.2918739	0.23664482	2.5886384	21	—	—
339290 2004 XD_{28}	15.7	X	77.52354	261.82052	80.73798	16.01392	0.1749067	0.23766610	2.5812172	21	—	—
339291 2004 XW_{29}	16.9	X	10.35836	212.89206	246.51435	5.36168	0.1689346	0.24294291	2.5437040	21	—	—
339292 2004 XA_{41}	16.7	X	346.47540	170.30325	303.57557	2.71633	0.1958888	0.23872770	2.5735593	21	—	—
339293 2004 XT_{42}	15.9	X	123.83883	81.47444	251.92927	9.61143	0.0168784	0.24114295	2.5563462	21	—	—
339294 2004 XT_{44}	16.1	X	82.91287	28.19558	321.32834	1.30934	0.1958394	0.24158516	2.5532257	21	—	—
339295 2004 XT_{52}	16.9	X	40.68471	287.36878	92.70501	10.43365	0.2158864	0.23741413	2.5830432	21	—	—
339296 2004 XB_{59}	17.2	X	331.91153	71.08439	18.91720	4.14875	0.2035426	0.23285012	2.6166868	21	—	—
339297 2004 XK_{63}	16.0	X	343.79271	84.25831	42.80167	27.98709	0.2009855	0.24084197	2.5584755	21	—	—
339298 2004 XV_{68}	15.8	X	8.00560	122.11135	263.56677	12.97504	0.0628741	0.23134169	2.6280489	21	12 7.0	19.0
339299 2004 XH_{69}	16.8	X	44.28058	342.20328	54.19078	5.65118	0.2397262	0.24199212	2.5503624	21	—	—
339300 2004 XK_{70}	16.1	X	6.88727	346.75338	48.02399	8.62437	0.1905369	0.23411841	2.6072280	21	—	—
339301 2004 XR_{73}	16.3	X	19.51872	129.88806	259.02650	7.26592	0.1957668	0.23715149	2.5849500	21	—	—
339302 2004 XE_{74}	17.0	X	55.52041	336.18646	75.08343	7.95995	0.2673470	0.24451527	2.5327873	21	—	—
339303 2004 XZ_{77}	16.3	X	42.08809	71.15683	298.41810	2.47915	0.0930405	0.23539210	2.5978144	21	—	—
339304 2004 XE_{78}	16.6	X	346.29992	200.79321	226.42646	2.49170	0.1492489	0.23469747	2.6029377	21	—	—
339305 2004 XL_{78}	16.7	X	13.43021	345.86052	99.03435	4.83056	0.1716568	0.24113330	2.5564144	21	—	—
339306 2004 XV_{83}	17.1	X	351.05803	174.35467	254.05242	5.71424	0.3131263	0.23463286	2.6034155	21	—	—
339307 2004 XL_{88}	16.1	X	24.92838	65.69868	292.26529	6.38469	0.1982061	0.23057798	2.6338487	21	12 14.6	19.2
339308 2004 XP_{91}	17.1	X	319.94233	127.94097	320.43208	0.74706	0.1534348	0.23237322	2.6202657	21	12 18.5	19.6
339309 2004 XZ_{95}	16.9	X	329.67087	176.21203	298.13848	4.72358	0.2530934	0.23533131	2.5982618	21	—	—
339310 2004 XY_{99}	16.7	X	352.20422	312.60239	90.78577	8.01234	0.2085286	0.23046152	2.6347359	21	12 22.7	18.9
339311 2004 XQ_{100}	17.2	X	26.83353	348.24729	77.16748	1.13769	0.1570486	0.24046892	2.5611209	21	—	—
339312 2004 XU_{101}	16.2	X	32.39281	53.12279	346.56324	4.48588	0.3104865	0.23789935	2.5795298	21	—	—
339313 2004 XD_{103}	15.8	X	306.59994	6.13835	57.27514	13.51574	0.1740698	0.22434738	2.6823908	21	10 19.1	18.7
339314 2004 XU_{105}	16.8	X	3.93705	17.27624	56.37949	8.15324	0.1882134	0.23886386	2.5725811	21	—	—
339315 2004 XW_{107}	16.3	X	70.16886	53.78146	329.51429	5.99899	0.2533527	0.24274516	2.5450852	21	—	—
339316 2004 XW_{108}	16.2	X	353.13196	151.17107	313.38587	7.06317	0.1083560	0.24049067	2.5609665	21	—	—
339317 2004 XF_{111}	17.2	X	354.70931	105.69993	332.30054	3.29167	0.2319366	0.23800816	2.5787435	21	—	—
339318 2004 XA_{112}	16.5	X	285.90160	216.12087	264.63995	11.93497	0.1226983	0.23192247	2.6236597	21	12 4.2	19.4
339319 2004 XL_{112}	16.8	X	41.54751	90.23224	265.15381	11.31943	0.2113187	0.23540604	2.5977119	21	—	—
339320 2004 XS_{115}	16.4	X	28.89823	310.13338	77.32159	6.68849	0.1144602	0.23338140	2.6127141	21	—	—
339321 2004 XZ_{118}	15.9	X	59.31293	227.27622	100.51333	10.52788	0.1144665	0.22770421	2.6559630	21	12 8.6	19.6
339322 2004 XG_{122}	17.1	X	8.99426	287.62321	87.83707	5.41271	0.1596175	0.22890891	2.6466362	21	12 7.1	20.0
339323 2004 XG_{127}	16.2	X	85.38873	266.45264	77.21876	27.86039	0.2654739	0.24235252	2.5478334	21	—	—
339324 2004 XA_{132}	16.5	X	64.90536	294.27415	73.16635	12.62865	0.2769815	0.24016759	2.5632627	21	—	—
339325 2004 XC_{135}	16.4	X	356.72862	43.98629	55.30589	5.49864	0.1954544	0.23955737	2.5676137	21	—	—
339326 2004 XV_{142}	17.1	X	316.72668	124.55545	8.70772	3.67952	0.1632635	0.23782860	2.5800414	21	—	—
339327 2004 XS_{143}	16.6	X	38.17532	70.67867	334.95279	2.89496	0.1349925	0.24053055	2.5606834	21	—	—
339328 2004 XY_{164}	15.7	X	74.22771	50.96171	286.16250	11.86340	0.2299904	0.23978807	2.5659666	21	—	—
339329 2004 XS_{165}	16.8	X	45.36404	151.07702	269.50463	4.30797	0.2189664	0.24471723	2.5313936	21	—	—
339330 2004 XH_{174}	16.4	X	303.23590	107.41889	311.50207	10.42182	0.0623032	0.22272581	2.6953946	21	10 7.8	20.0
339331 2004 XZ_{175}	17.0	X	94.88585	101.59892	258.95677	3.85122	0.1559486	0.24546131	2.5262753	21	—	—
339332 2004 XO_{180}	17.1	X	47.46023	329.27510	29.91298	5.19164	0.2062081	0.23838469	2.5760274	21	—	—
339333 2004 XF_{181}	16.6	X	62.99239	10.17879	39.80326	3.87673	0.2593102	0.24562295	2.5251669	21	—	—
339334 2004 XW_{183}	17.6	X	77.20757	42.89914	45.52165	22.07723	0.1375245	0.37397960	1.9079666	21	—	—
339335 2004 YL_{4}	16.6	X	33.00114	146.97150	251.26291	11.62888	0.2620345	0.23920447	2.5701384	21	—	—
339336 2004 YE_{5}	17.0	X	299.44119	193.96273	293.37563	3.30970	0.2132651	0.23065855	2.6332353	21	12 28.4	19.3
339337 2004 YE_{21}	16.8	X	33.87754	68.81021	291.31541	5.19770	0.0282329	0.22522425	2.6754240	21	12 2.9	20.3
339338 2004 YG_{31}	16.7	X	44.60758	323.09851	82.84062	7.09966	0.2958313	0.24024832	2.5626885	21	—	—
339339 2004 YH_{31}	16.1	X	35.82082	355.76644	35.41176	2.94369	0.2043717	0.23532153	2.5983338	21	—	—
339340 2004 YS_{31}	16.0	X	85.01533	169.04398	219.20940	14.26115	0.1258627	0.24585389	2.5235853	21	—	—
339341 2004 YL_{32}	16.3	X	312.05896	71.89467	55.70452	12.15087	0.2444607	0.23204194	2.6227590	21	—	—
339342 2005 AE_{1}	15.7	X	50.58789	257.68637	111.64386	17.85296	0.2405600	0.23439514	2.6051755	21	—	—
339343 2005 AK_{4}	16.6	X	50.18097	327.57293	59.80930	5.24103	0.2129911	0.23789846	2.5795362	21	—	—
339344 2005 AZ_{4}	16.2	X	341.38086	291.93637	83.08111	8.89797	0.1026737	0.22221069	2.6995585	21	10 17.6	19.4
339345 2005 AB_{5}	17.0	X	315.48744	134.67408	330.60316	3.55753	0.1908427	0.23154330	2.6265232	21	—	—
339346 2005 AK_{6}	16.5	X	0.60701	114.16481	292.97728	2.68153	0.1927070	0.23204052	2.6227698	21	—	—
339347 2005 AU_{6}	16.3	X	349.17967	9.64139	59.86858	5.05823	0.2678843	0.23214018	2.6220190	21	—	—
339348 2005 AV_{6}	16.1	X	231.18021	149.50665	324.67196	14.03136	0.1192163	0.21605459	2.7505975	21	9 7.5	20.2
339349 2005 AW_{6}	16.5	X	314.81548	3.92556	104.66834	14.66528	0.1985303	0.23021350	2.6366280	21	—	—
339350 2005 AD_{8}	16.3	X	338.85215	119.86918	324.45094	13.09502	0.1728283	0.23089432	2.6314425	21	—	—
339351 2005 AH_{10}	16.9	X	297.93333	168.75018	247.22230	3.84681	0.1046256	0.22115766	2.7081209	21	9 24.4	20.1
339352 2005 AF_{14}	15.8	X	7.29835	327.63671	58.05602	13.74515	0.2500691	0.23066081	2.6332182	21	—	—
339353 2005 AJ_{15}	16.8	X	299.48915	127.41906	309.13804	7.01850	0.1921152	0.22540141	2.6740219	21	10 12.5	19.9
339354 2005 AY_{22}	16.3	X	20.00061	313.09444	80.59434	5.04585	0.2434279	0.23353085	2.6115993	21	—	—
339355 2005 AG_{26}	16.3	X	7.77994	100.76251	299.92639	2.93122	0.2529026	0.23197719	2.6232471	21	—	—
339356 2005 AA_{30}	15.7	X	233.20991	142.07516	34.37424	12.81547	0.0466367	0.22715133	2.6602709	21	12 11.1	19.5
339357 2005 AV_{30}	16.0	X	266.33498	122.97107	29.44407	13.93938	0.1956298	0.22423830	2.6832606	21	11 30.4	19.5
339358 2005 AV_{32}	16.6	X	21.94221	270.72057	138.84652	6.11046	0.2702696	0.23500144	2.6006927	21	—	—
339359 2005 AO_{33}	16.5	X	24.24011	256.55168	157.32240	3.88212	0.2269949	0.23715162	2.5849490	21	—	—
339360 2005 AF_{37}	16.4	X	20.75934	118.61986	280.22652	7.00002	0.2431256	0.23362592	2.6108908	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
339361 2005 AB_{40}	16.4	X	343.18986	44.71683	19.72805	11.74361	0.1672077	0.23082482	2.6319707	21	12 31.1	19.3
339362 2005 AC_{42}	17.0	X	20.41222	327.75177	95.19900	25.01404	0.0943815	0.35516229	1.9747774	21	—	—
339363 2005 AL_{43}	16.3	X	312.64155	125.48128	283.68468	11.84350	0.1954516	0.22232155	2.6986610	21	9 23.8	19.3
339364 2005 AE_{44}	16.6	X	228.47714	130.88785	57.12600	2.56876	0.0751457	0.22671071	2.6637166	21	12 17.5	20.2
339365 2005 AF_{44}	17.1	X	1.21556	93.34357	332.78710	4.17509	0.2410861	0.23350442	2.6117964	21	—	—
339366 2005 AG_{44}	16.5	X	336.50393	328.76513	102.80279	6.45182	0.2348394	0.22993259	2.6387750	21	—	—
339367 2005 AJ_{45}	15.7	X	358.68962	330.27593	76.90830	15.10795	0.2534919	0.22913106	2.6449253	21	—	—
339368 2005 AG_{46}	17.3	X	325.38163	195.99048	262.42508	3.51360	0.2052304	0.23254834	2.6189501	21	—	—
339369 2005 AD_{51}	13.3	X	95.16764	189.14270	345.21282	10.30722	0.0675409	0.08190728	5.2511494	21	6 29.4	20.4
339370 2005 AE_{56}	16.0	X	28.26704	294.99700	108.50884	15.95028	0.1543932	0.23623799	2.5916095	21	—	—
339371 2005 AV_{56}	16.5	X	324.18320	40.76159	80.60358	13.82364	0.2069342	0.23429239	2.6059371	21	—	—
339372 2005 AJ_{59}	16.7	X	332.07445	355.32182	69.21114	2.63384	0.1916320	0.22886945	2.6469404	21	12 8.5	19.0
339373 2005 AZ_{59}	16.3	X	81.22985	173.98460	113.80563	12.75094	0.0736280	0.21991922	2.7182783	21	11 11.6	20.4
339374 2005 AJ_{64}	17.4	X	347.33044	135.07114	279.58929	2.22339	0.0974427	0.22833054	2.6511037	21	12 16.9	20.4
339375 2005 AO_{64}	17.1	X	327.49278	297.52917	129.69765	3.24547	0.2078976	0.22822227	2.6519421	21	12 2.9	19.2
339376 2005 AF_{66}	16.9	X	252.67068	195.88175	274.61890	3.42004	0.0613892	0.22010137	2.7167784	21	10 9.3	20.6
339377 2005 AW_{67}	16.3	X	349.84740	277.58993	134.67094	11.14530	0.1662301	0.22993892	2.6387265	21	12 25.7	19.1
339378 2005 AY_{68}	16.3	X	237.80821	25.38621	124.72185	15.71031	0.0783900	0.22104054	2.7090775	21	11 15.6	20.3
339379 2005 AZ_{68}	16.2	X	333.60815	44.47534	19.42049	15.83310	0.2542926	0.22886289	2.6469910	21	12 11.4	18.6
339380 2005 AR_{76}	14.1	X	188.25426	92.33167	354.78297	6.06970	0.0248987	0.08317911	5.1974846	21	6 26.2	21.1
339381 2005 AK_{78}	17.7	X	313.33064	162.23857	314.23898	17.00246	0.0681334	0.34994178	1.9943690	21	—	—
339382 2005 AW_{78}	13.5	X	237.06092	286.03732	113.67520	9.23794	0.0682687	0.08391782	5.1669380	21	6 21.2	20.6
339383 2005 AC_{79}	17.3	X	298.73750	98.46566	12.32829	3.02283	0.2339850	0.22781856	2.6550741	21	11 28.0	19.7
339384 2005 BZ_{1}	16.7	X	32.96761	90.18470	308.46875	4.26144	0.3019535	0.23466047	2.6032113	21	—	—
339385 2005 BU_{2}	17.1	X	322.83448	161.56237	289.33174	1.46145	0.0174693	0.22914865	2.6447899	21	12 25.5	20.4
339386 2005 BL_{6}	16.6	X	67.46868	346.17364	97.49968	6.21000	0.1147581	0.24611784	2.5217807	21	1 16.4	19.1
339387 2005 BP_{8}	16.1	X	306.47792	347.97043	83.14497	6.76561	0.1382575	0.22418647	2.6836742	21	10 31.0	19.1
339388 2005 BY_{8}	16.7	X	333.20150	157.84029	300.15710	4.17601	0.1583302	0.23203402	2.6228187	21	—	—
339389 2005 BB_{13}	17.0	X	347.71378	347.43445	93.81458	3.63048	0.1843286	0.23328541	2.6134308	21	—	—
339390 2005 BL_{16}	16.5	X	272.85180	108.68531	324.23216	8.33356	0.1982770	0.22008920	2.7168786	21	8 27.3	20.0
339391 2005 BC_{21}	16.6	X	329.04581	17.74353	84.99392	4.74038	0.1124634	0.23201413	2.6229686	21	—	—
339392 2005 BA_{24}	16.8	X	266.73062	352.74481	165.22419	3.73439	0.1400467	0.22957942	2.6414805	21	12 21.2	20.1
339393 2005 BT_{27}	16.4	X	317.21353	187.97539	277.87876	10.72327	0.1489019	0.22910492	2.6451264	21	—	—
339394 2005 BN_{28}	16.7	X	274.75332	182.65348	259.61893	3.90972	0.0962360	0.21837584	2.7310710	21	9 26.2	20.2
339395 2005 BA_{48}	16.7	X	311.47174	341.88176	118.51521	6.94066	0.1019723	0.22879833	2.6474889	21	12 20.3	19.8
339396 2005 BO_{48}	17.7	X	343.01236	285.60487	169.60515	3.71755	0.2401046	0.23377083	2.6098117	21	—	—
339397 2005 BE_{49}	16.3	X	313.82352	72.94980	3.89948	12.99830	0.2618648	0.22589349	2.6701372	21	11 3.4	18.6
339398 2005 CC_{1}	16.1	X	337.11619	291.94297	133.77568	14.20302	0.2580925	0.23012374	2.6373135	21	12 28.5	18.3
339399 2005 CS_{3}	16.5	X	289.42502	61.97426	17.68258	5.03163	0.0943594	0.21883331	2.7272635	21	10 16.2	19.8
339400 2005 CS_{10}	15.9	X	273.70046	3.76760	135.96055	16.09991	0.1461552	0.22516113	2.6759240	21	12 8.8	19.4
339401 2005 CD_{12}	16.5	X	0.63298	55.29549	356.26463	6.11670	0.1556374	0.22914215	2.6448399	21	—	—
339402 2005 CO_{13}	16.6	X	347.97079	335.84749	102.89143	6.10702	0.2424323	0.23179550	2.6246176	21	—	—
339403 2005 CL_{14}	16.7	X	98.23112	125.25625	122.86940	5.27229	0.0220657	0.21458169	2.7631700	21	10 3.2	20.5
339404 2005 CG_{24}	16.5	X	331.87633	311.89908	139.31130	7.47778	0.3021565	0.23091247	2.6313046	21	—	—
339405 2005 CN_{24}	16.4	X	353.22970	335.23630	109.90452	13.27496	0.2429345	0.23382169	2.6094332	21	—	—
339406 2005 CA_{35}	16.5	X	5.49277	180.71923	92.26040	3.27606	0.0165348	0.20313728	2.8660007	21	6 29.3	20.3
339407 2005 CX_{49}	15.6	X	66.83944	353.64968	312.96553	10.48420	0.0215121	0.21863093	2.7289462	21	10 31.8	19.6
339408 2005 CD_{50}	17.2	X	309.09459	200.28404	299.67104	2.33466	0.2229492	0.23136922	2.6278405	21	—	—
339409 2005 CX_{52}	16.5	X	244.40833	147.55222	340.72896	13.16117	0.1397143	0.21861062	2.7291153	21	10 7.0	20.5
339410 2005 CY_{56}	15.8	X	328.48997	296.50247	129.05809	22.60858	0.1047744	0.22648844	2.6654591	21	12 6.5	19.3
339411 2005 CQ_{57}	16.5	X	245.03919	296.64413	159.54926	8.39779	0.1741014	0.21537791	2.7563558	21	8 27.8	20.5
339412 2005 CP_{58}	16.4	X	328.22215	203.35369	265.34109	5.61972	0.2649708	0.23264512	2.6182237	21	—	—
339413 2005 CB_{63}	16.6	X	259.43290	194.09482	279.38840	8.29465	0.2268238	0.22056233	2.7129919	21	9 24.5	20.5
339414 2005 CA_{65}	16.2	X	297.69422	324.67450	130.11432	13.68454	0.1544699	0.22402815	2.6849383	21	11 17.9	19.4
339415 2005 CF_{65}	16.5	X	347.51570	301.86889	117.44886	6.41555	0.2612071	0.22866307	2.6485329	21	—	—
339416 2005 CJ_{70}	16.9	X	0.31007	31.98846	317.01449	4.74300	0.0616001	0.21714559	2.7413767	21	10 2.9	20.5
339417 2005 EC_{3}	16.0	X	351.80620	19.78989	319.35943	13.29257	0.1039618	0.21397287	2.7684089	21	9 5.1	19.2
339418 2005 EH_{7}	16.4	X	206.26487	148.27436	358.72840	9.06054	0.0374954	0.21095945	2.7947099	21	10 1.4	20.4
339419 2005 EL_{7}	16.1	X	318.43981	58.34982	172.57248	12.47101	0.1309494	0.18077258	3.0977594	21	2 17.4	20.3
339420 2005 EU_{26}	15.8	X	304.92652	85.40512	166.79222	16.63438	0.1562125	0.18254016	3.0777294	21	2 22.9	20.2
339421 2005 EQ_{31}	17.1	X	334.74948	101.95407	3.72479	6.33999	0.2302380	0.23157750	2.6262646	21	—	—
339422 2005 EM_{37}	16.1	X	286.94879	84.78920	337.18755	6.09770	0.0475654	0.21411248	2.7672054	21	9 23.4	19.6
339423 2005 EX_{45}	16.0	X	189.58406	30.14731	158.52879	12.24102	0.1664282	0.21646114	2.7471524	21	10 30.9	20.6
339424 2005 EM_{60}	16.6	X	190.27766	351.82949	182.23410	9.26754	0.2171112	0.21360524	2.7715844	21	10 8.6	21.3
339425 2005 EB_{67}	16.8	X	260.27719	93.98745	351.58287	6.32796	0.0243208	0.21080737	2.7960538	21	9 22.5	20.7
339426 2005 ET_{79}	16.2	X	264.84321	333.34765	133.02096	8.54037	0.1900840	0.21724989	2.7404992	21	10 5.5	19.9
339427 2005 EZ_{81}	16.4	X	264.79664	92.82932	337.80745	8.08372	0.0998579	0.21110196	2.7934520	21	8 29.2	20.1
339428 2005 EQ_{82}	16.3	X	270.87409	280.65900	182.72862	12.30761	0.1450125	0.21746070	2.7387278	21	10 14.7	19.7
339429 2005 ER_{83}	15.8	X	170.92208	198.23712	345.33888	11.10578	0.1064923	0.21085933	2.7955944	21	10 2.3	20.3
339430 2005 EY_{84}	15.6	X	234.20082	119.11098	39.35189	14.98733	0.1835269	0.21828411	2.7318361	21	11 1.8	19.7
339431 2005 EK_{85}	16.4	X	295.23500	330.37657	139.29905	8.52802	0.1490508	0.22397604	2.6853548	21	12 1.7	19.5
339432 2005 EQ_{86}	16.7	X	198.27060	151.17346	358.16413	7.88721	0.1615194	0.21224102	2.7834483	21	9 17.9	21.1
339433 2005 ED_{88}	15.4	X	327.36114	259.76627	322.17264	15.70661	0.2079825	0.18127562	3.0920258	21	2 9.0	19.3
339434 2005 EB_{93}	16.3	X	272.15558	103.95766	36.53280	12.11106	0.2461110	0.22543588	2.6737493	21	11 16.7	19.5
339435 2005 EN_{93}	16.2	X	248.58471	60.56804	74.91118	11.83751	0.1426986	0.21876524	2.7278292	21	10 30.3	20.1
339436 2005 EB_{100}	16.2	X	145.88809	70.88570	55.29307	5.88457	0.0172608	0.19840602	2.9113840	21	6 21.9	20.3
339437 2005 EC_{130}	17.0	X	219.98279	253.47777	222.17953	3.27015	0.1523864	0.21050978	2.7986883	21	8 26.9	21.3
339438 2005 EA_{133}	16.2	X	268.11809	108.92276	21.28829	12.90304	0.2308530	0.22346302	2.6894632	21	10 29.9	19.7
339439 2005 EP_{147}	16.8	X	205.49976	331.89741	124.87821	2.77662	0.0489304	0.20241159	2.8728468	21	7 27.2	20.8
339440 2005 EK_{152}	15.6	X	218.60127	324.23889	17.87111	18.36036	0.1988425	0.18130935	3.0916424	21	3 20.0	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
339441 2005 EE_{154}	16.2	X	3.07501	231.94444	4.27686	5.59244	0.0679870	0.19021969	2.9943259	21	5 5.9	20.1
339442 2005 EX_{155}	16.3	X	291.20840	227.30634	36.62806	1.68818	0.1316618	0.17927544	3.1149818	21	2 26.6	20.6
339443 2005 ET_{158}	16.6	X	266.12854	246.15379	163.64442	2.26672	0.0516883	0.20483059	2.8501836	21	8 9.7	20.5
339444 2005 EH_{160}	16.3	X	177.77455	298.87878	145.81434	2.52980	0.0699579	0.19463684	2.9488501	21	6 9.6	20.7
339445 2005 EA_{163}	16.0	X	258.89855	171.98039	158.33256	5.24532	0.0396679	0.18924046	3.0046465	21	4 22.9	20.3
339446 2005 EF_{168}	16.9	X	230.48694	53.59606	355.37791	12.57130	0.0487448	0.19899209	2.9056648	21	6 25.9	21.3
339447 2005 EN_{179}	16.4	X	246.66417	182.47101	229.32119	1.14241	0.0633298	0.20291443	2.8680987	21	7 16.7	20.3
339448 2005 EO_{187}	16.3	X	32.16379	10.70600	202.57435	3.63807	0.1366944	0.18917990	3.0052877	21	5 27.7	19.7
339449 2005 ER_{189}	16.0	X	272.37399	265.60939	159.77854	7.74582	0.1063521	0.20994746	2.8036834	21	8 30.9	19.8
339450 2005 ED_{193}	16.9	X	291.45939	87.06067	337.38950	3.31591	0.0884328	0.21340172	2.7733464	21	9 28.2	20.4
339451 2005 EF_{193}	16.8	X	320.41471	100.15790	177.73680	11.24699	0.0799563	0.19064011	2.9899220	21	4 30.4	20.8
339452 2005 ET_{193}	16.7	X	231.44985	196.58387	248.77056	1.00314	0.0320817	0.20538438	2.8450579	21	8 14.6	20.5
339453 2005 EH_{194}	16.5	X	0.64372	223.71038	339.04171	3.70712	0.0688680	0.18471667	3.0535051	21	3 21.1	20.4
339454 2005 EM_{195}	16.2	X	223.34098	194.95709	221.04650	1.27567	0.0787015	0.19896359	2.9059423	21	6 22.9	20.6
339455 2005 EV_{197}	16.5	X	349.94518	89.61714	207.66267	5.21861	0.0516200	0.19649741	2.9302061	21	7 8.5	20.3
339456 2005 EC_{198}	16.0	X	325.07303	315.21458	3.64291	11.84782	0.0470667	0.19608241	2.9343391	21	7 3.6	20.1
339457 2005 EG_{202}	16.1	X	237.46514	137.29233	39.75816	15.78794	0.1280298	0.22347765	2.6893458	21	12 3.9	19.9
339458 2005 EW_{206}	15.6	X	325.91795	238.28717	9.23402	15.41900	0.1600613	0.18191544	3.0847716	21	3 19.9	19.5
339459 2005 EZ_{209}	16.8	X	316.91167	246.03327	199.08298	2.01461	0.1447757	0.22215632	2.6999990	21	12 5.4	19.5
339460 2005 EP_{210}	17.1	X	277.04684	309.00622	180.84183	2.10528	0.1401985	0.22177295	2.7031097	21	11 28.2	20.3
339461 2005 EC_{219}	16.2	X	50.75328	19.22301	158.47497	2.81924	0.0426311	0.18925382	3.0045051	21	4 30.4	20.1
339462 2005 EN_{222}	15.4	X	286.50629	244.69753	5.10942	26.45594	0.1859426	0.17878881	3.1206316	21	2 9.9	20.5
339463 2005 EZ_{227}	16.5	X	311.93510	281.43885	139.54922	9.28720	0.1449910	0.22215618	2.7000001	21	10 27.1	19.5
339464 2005 EL_{231}	16.6	X	308.23725	231.35983	149.19107	5.71295	0.0465771	0.20907909	2.8114410	21	8 30.8	20.2
339465 2005 EY_{239}	16.2	X	13.82142	256.24541	40.23602	2.57041	0.0381328	0.20272996	2.8698383	21	8 13.8	20.0
339466 2005 EU_{242}	16.1	X	172.84444	136.51858	35.83157	12.18320	0.1542613	0.21036282	2.7999916	21	9 27.0	20.7
339467 2005 EW_{243}	16.0	X	264.09705	326.05574	7.35752	10.73872	0.1061709	0.18994866	2.9971736	21	4 20.4	20.5
339468 2005 EX_{243}	16.0	X	310.78383	94.58834	6.37027	12.92833	0.2356358	0.22674925	2.6634148	21	12 9.1	18.6
339469 2005 EX_{245}	16.6	X	287.12948	116.16605	165.65761	1.60306	0.1162273	0.18418525	3.0593758	21	3 16.3	21.1
339470 2005 EC_{250}	16.3	X	293.20582	103.13927	47.92963	12.37900	0.2559184	0.22975247	2.6401540	21	—	—
339471 2005 EU_{252}	16.2	X	67.06747	243.72191	11.58945	9.06013	0.0567728	0.20163061	2.8802603	21	9 6.5	20.1
339472 2005 EG_{258}	15.9	X	279.52034	110.90239	190.98644	16.57655	0.1478657	0.18448255	3.0560879	21	3 27.4	20.2
339473 2005 EU_{262}	15.9	X	26.43237	210.37491	345.07321	7.97296	0.1730349	0.18770313	3.0210300	21	4 20.8	19.3
339474 2005 EB_{283}	16.0	X	219.86998	345.56206	103.51644	3.26366	0.0245777	0.20320463	2.8653674	21	8 6.6	19.9
339475 2005 EK_{287}	16.3	X	260.84383	303.46065	207.41464	12.53887	0.2009432	0.22418957	2.6836494	21	11 23.8	19.8
339476 2005 EA_{295}	15.7	X	196.94088	12.11609	98.09269	3.25496	0.0112829	0.20318421	2.8655594	21	8 6.2	19.6
339477 2005 ET_{304}	15.7	X	23.11038	221.22617	23.75869	10.62827	0.0676643	0.18916640	3.0054306	21	6 18.6	19.7
339478 2005 EU_{315}	17.3	X	312.81898	299.52311	155.81376	3.95286	0.2499037	0.22428324	2.6829022	21	12 6.8	19.4
339479 2005 EN_{316}	16.3	X	30.67901	79.72174	172.86016	1.92031	0.0114008	0.19911680	2.9044514	21	7 6.1	20.1
339480 2005 EQ_{321}	16.8	X	11.39863	189.78134	201.42211	2.76396	0.1345096	0.22778478	2.6553366	21	12 27.7	19.9
339481 2005 EA_{327}	15.8	X	6.28950	215.83128	22.08199	12.22806	0.0678243	0.19178504	2.9780106	21	5 11.6	19.7
339482 2005 FB_{3}	15.4	X	316.53526	57.06812	180.24340	27.12027	0.2550877	0.17753059	3.1353588	21	2 4.1	20.2
339483 2005 FQ_{3}	16.9	X	262.63463	85.19970	37.19610	2.85700	0.1483237	0.21850928	2.7299590	21	10 26.5	20.4
339484 2005 FH_{5}	16.6	X	269.33089	107.95984	9.44054	6.96944	0.2190879	0.21996233	2.7179232	21	10 17.2	20.0
339485 2005 GQ_{2}	15.6	X	335.44236	226.98123	29.61961	13.54894	0.1812951	0.18449567	3.0559431	21	4 11.6	19.2
339486 Raimeux	16.6	X	168.18834	140.25255	26.07824	7.31474	0.0543392	0.20528747	2.8459532	21	9 13.8	20.8
339487 2005 GK_{10}	16.4	X	85.70809	160.14786	40.93522	3.56680	0.1070420	0.19719645	2.9232771	21	7 27.3	20.4
339488 2005 GV_{10}	15.8	X	306.93759	108.16537	164.83036	6.44963	0.0908965	0.18402796	3.0611188	21	4 3.8	20.0
339489 2005 GG_{13}	15.6	X	313.01803	147.77484	161.93469	11.01533	0.0722146	0.19073667	2.9889128	21	6 1.4	19.8
339490 2005 GR_{14}	15.6	X	314.56104	225.80315	15.89306	18.44138	0.1674994	0.17959678	3.1112651	21	3 2.0	20.0
339491 2005 GC_{20}	16.4	X	7.46611	214.28745	34.93366	5.71586	0.1145700	0.18866780	3.0107234	21	5 31.3	20.0
339492 2005 GQ_{21}	18.2	X	69.30869	143.61612	203.24779	47.02371	0.2153113	0.57858572	1.4263439	21	—	—
339493 2005 GE_{25}	17.1	X	287.93807	58.88322	354.91789	1.93889	0.1839757	0.21047713	2.7989777	21	8 25.9	20.4
339494 2005 GR_{34}	16.4	X	276.57995	12.24200	128.74896	10.03701	0.2752774	0.22284788	2.6944102	21	11 23.9	19.6
339495 2005 GW_{34}	17.0	X	334.97071	106.50028	353.53463	18.90154	0.0821862	0.35058205	1.9919400	21	—	—
339496 2005 GZ_{35}	17.1	X	250.63297	265.39846	185.22499	5.79641	0.0328770	0.20963169	2.8064981	21	9 15.1	20.8
339497 2005 GD_{36}	16.8	X	224.68578	225.43890	205.72793	1.52908	0.0601993	0.20228985	2.8739993	21	7 15.5	20.8
339498 2005 GC_{40}	16.4	X	341.02713	189.18401	51.17750	2.49714	0.1304213	0.18326081	3.0696555	21	4 5.3	20.2
339499 2005 GA_{49}	16.0	X	326.61908	73.75602	196.55275	9.98919	0.0844133	0.18603911	3.0390176	21	4 28.1	19.9
339500 2005 GT_{52}	16.3	X	356.66632	53.71009	215.78362	17.23523	0.1199314	0.18875937	3.0097496	21	6 9.7	20.1
339501 2005 GR_{55}	15.8	X	261.07513	287.75575	234.16559	11.72132	0.2048919	0.22250247	2.6971980	21	12 6.5	19.2
339502 2005 GG_{60}	15.2	X	345.95198	359.71182	210.46124	17.20643	0.1428173	0.17950999	3.1122678	21	2 26.3	19.3
339503 2005 GM_{60}	15.4	X	272.30624	272.06802	355.52108	21.24394	0.2016449	0.17612105	3.1520653	21	2 11.0	20.6
339504 2005 GJ_{65}	16.2	X	60.33934	232.41064	27.18769	9.33145	0.0282256	0.20176360	2.8789945	21	8 31.5	20.2
339505 2005 GS_{69}	15.2	X	307.44104	164.06042	74.39434	15.07677	0.1875048	0.17645947	3.1480339	21	2 11.9	19.9
339506 2005 GP_{83}	16.6	X	99.11132	177.34017	3.64512	8.35511	0.1229145	0.19584727	2.9366873	21	7 21.1	20.9
339507 2005 GQ_{97}	16.1	X	359.77703	90.61212	155.62854	6.62980	0.0646872	0.18737187	3.0245896	21	5 18.3	20.0
339508 2005 GR_{100}	16.2	X	276.19146	333.94751	20.54983	10.31925	0.1128913	0.19311772	2.9642941	21	5 30.9	20.5
339509 2005 GN_{102}	15.8	X	251.25158	297.06737	57.64568	11.35079	0.0339680	0.18772816	3.0207614	21	5 14.1	20.1
339510 2005 GV_{102}	15.5	X	106.69298	195.30435	220.55453	8.41564	0.0866226	0.17378819	3.1802105	21	2 14.1	20.2
339511 2005 GZ_{107}	16.6	X	305.07833	22.71948	32.35673	6.14403	0.0371078	0.20945533	2.8080733	21	10 12.6	20.3
339512 2005 GL_{108}	16.6	X	331.49748	292.09300	64.45847	2.93710	0.0856157	0.20203095	2.8764541	21	8 31.0	20.1
339513 2005 GA_{113}	15.5	X	297.06099	91.74098	171.60771	25.23536	0.2491079	0.17690241	3.1427769	21	2 15.1	20.3
339514 2005 GZ_{113}	15.6	X	259.14492	227.67530	52.38170	28.35988	0.2823884	0.17146004	3.2089339	21	2 11.3	21.6
339515 2005 GJ_{134}	16.5	X	270.97290	122.64799	164.63854	2.82935	0.1509955	0.17789522	3.1310730	21	3 1.6	21.2
339516 2005 GB_{136}	16.2	X	148.10495	108.67737	90.76900	9.44116	0.0999081	0.20481394	2.8503381	21	10 6.4	20.7
339517 2005 GE_{136}	15.5	X	336.01845	44.49899	194.25349	18.13280	0.0288528	0.18156205	3.0887731	21	4 6.3	19.5
339518 2005 GW_{139}	16.7	X	39.82575	117.43716	119.72842	3.01890	0.0435838	0.19290429	2.9664802	21	7 1.5	20.6
339519 2005 GM_{154}	15.6	X	300.08793	207.48764	52.93988	6.92437	0.1557682	0.17890106	3.1193260	21	3 4.2	20.1
339520 2005 GV_{155}	16.2	X	311.92240	263.43880	43.89342	9.31762	0.1071513	0.18844564	3.0130891	21	5 19.9	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
339521 2005 GU_{157}	16.3	X	262.41436	96.62185	207.39196	7.18600	0.1922140	0.17778066	3.1324180	21	3 7.0	21.3
339522 2005 GZ_{158}	15.9	X	311.44265	348.87471	269.96752	4.21661	0.1067926	0.18092371	3.0960340	21	3 17.4	20.1
339523 2005 GH_{173}	15.9	X	276.14284	296.59923	76.88969	5.89032	0.1318687	0.19502473	2.9449387	21	6 23.9	20.1
339524 2005 GF_{175}	16.0	X	226.51145	151.81113	215.70725	9.32328	0.0945203	0.18510872	3.0491922	21	4 25.9	20.8
339525 2005 GL_{205}	16.6	X	57.28824	122.26475	98.46286	3.65124	0.1461549	0.19221890	2.9735277	21	7 19.5	20.3
339526 2005 GA_{216}	16.2	X	304.60904	101.76987	179.30312	10.75601	0.1625421	0.18443433	3.0566206	21	3 30.7	20.3
339527 2005 GG_{221}	16.1	X	265.38888	253.65034	229.08250	8.22576	0.1506308	0.21603905	2.7507294	21	10 29.2	19.7
339528 2005 GH_{225}	15.9	X	286.34242	243.86222	52.10773	10.92172	0.0845852	0.18237194	3.0796217	21	4 9.9	20.3
339529 2005 GV_{227}	16.0	X	313.22777	3.52244	227.92645	9.25576	0.1615641	0.17689660	3.1428457	21	2 5.7	20.5
339530 2005 HT_{1}	15.4	X	267.73306	242.86567	35.96383	24.34090	0.2224649	0.17354778	3.1831469	21	2 23.4	20.9
339531 2005 HB_{5}	18.0	X	294.23050	170.65261	103.20424	6.55938	0.1610248	0.29886076	2.2155937	21	2 22.2	21.0
339532 2005 JU_{3}	15.7	X	285.79796	283.54568	338.46461	7.07964	0.1810079	0.17429017	3.1741013	21	2 13.2	20.5
339533 2005 JD_{4}	15.7	X	310.36505	9.54394	227.85918	9.83406	0.1677281	0.17434635	3.1734195	21	2 8.6	20.3
339534 2005 JL_{14}	15.8	X	262.07388	75.55903	219.41135	24.67793	0.2322086	0.17490828	3.1666189	21	2 15.8	21.4
339535 2005 JA_{15}	16.2	X	353.71595	243.42451	23.38925	10.14780	0.1003290	0.19153954	2.9805546	21	5 30.7	19.9
339536 2005 JU_{26}	16.3	X	299.74849	106.46524	165.20084	5.01459	0.0995643	0.17842696	3.1248492	21	3 22.7	20.6
339537 2005 JO_{34}	15.9	X	91.37610	274.37863	208.74425	15.94765	0.1196128	0.18081754	3.0972459	21	4 26.3	20.1
339538 2005 JN_{46}	16.3	X	259.37964	147.08531	215.52747	10.61732	0.1026539	0.18847364	3.0127908	21	5 25.5	20.8
339539 2005 JZ_{46}	16.0	X	291.40226	132.55472	216.05331	9.20109	0.1073442	0.19094828	2.9867042	21	6 15.2	20.1
339540 2005 JK_{49}	16.2	X	329.89578	145.09078	110.98248	5.21257	0.1596190	0.18131179	3.0916146	21	4 6.6	20.0
339541 2005 JS_{50}	16.3	X	310.54577	226.34265	90.40703	4.27499	0.1024143	0.18871700	3.0102001	21	6 1.4	20.2
339542 2005 JA_{59}	16.3	X	249.60784	271.15048	200.10897	14.70372	0.1842002	0.21368712	2.7708764	21	9 17.7	20.4
339543 2005 JC_{59}	16.2	X	240.34483	293.32737	357.88198	0.98090	0.2113558	0.17372333	3.1810021	21	2 3.3	21.6
339544 2005 JJ_{62}	16.0	X	56.09715	323.76246	234.55070	9.04925	0.0805096	0.18849134	3.0126021	21	6 7.8	19.9
339545 2005 JD_{65}	16.0	X	278.61623	39.41781	209.29180	16.69319	0.0949804	0.17220241	3.1997048	21	1 26.1	21.0
339546 2005 JE_{73}	16.1	X	223.23542	139.24581	213.98251	9.61401	0.1040604	0.17953002	3.1120363	21	4 3.9	21.0
339547 2005 JA_{74}	15.9	X	353.23584	349.43195	218.65315	11.77332	0.0801176	0.17861379	3.1226697	21	3 14.6	20.2
339548 2005 JB_{78}	18.3	X	327.99128	63.52012	173.42425	4.74837	0.1838705	0.30067044	2.2066946	21	2 7.5	20.7
339549 2005 JF_{93}	15.8	X	48.77143	207.07793	32.27522	10.51486	0.0688094	0.19294686	2.9660438	21	7 23.5	19.9
339550 2005 JV_{94}	16.4	X	270.13670	262.17857	57.54293	4.68747	0.0694431	0.18203463	3.0834249	21	4 19.5	20.7
339551 2005 JZ_{103}	16.5	X	312.97768	107.45863	157.84265	0.97025	0.1436799	0.18012355	3.1051963	21	3 24.8	20.7
339552 2005 JO_{105}	16.4	X	5.78595	55.53754	169.51823	3.08899	0.1032612	0.18352615	3.0666961	21	4 27.8	20.0
339553 2005 JE_{106}	15.8	X	200.31031	150.03869	212.69103	9.97265	0.1143237	0.17754308	3.1352118	21	3 23.3	20.9
339554 2005 JH_{110}	16.0	X	166.54687	173.41925	211.49514	14.14580	0.0763209	0.17896645	3.1185662	21	3 13.6	20.9
339555 2005 JM_{112}	15.5	X	0.72812	170.12575	81.00046	21.54066	0.1461866	0.18497209	3.0506935	21	5 25.9	19.1
339556 2005 JA_{121}	15.5	X	185.33954	299.93086	89.07051	11.19308	0.1124391	0.17859593	3.1228780	21	4 16.4	20.6
339557 2005 JE_{127}	15.9	X	283.03330	75.09194	216.00617	11.31619	0.1962686	0.17723021	3.1389005	21	3 10.2	20.8
339558 2005 JG_{136}	15.5	X	318.80878	68.71154	159.26059	12.41640	0.0760621	0.17629030	3.1500475	21	2 23.9	19.9
339559 2005 JW_{138}	15.8	X	275.11507	88.43298	233.80820	14.70981	0.2403651	0.17964162	3.1107473	21	4 2.9	20.9
339560 2005 JW_{143}	18.3	X	327.69439	161.21134	119.08726	3.17394	0.1222872	0.30554638	2.1831553	21	4 25.6	20.5
339561 2005 JR_{149}	18.5	X	304.10269	260.82662	53.34925	4.26947	0.1969246	0.30687427	2.1768528	21	4 24.5	21.0
339562 2005 JF_{162}	13.5	X	340.96731	273.28116	121.39360	9.02527	0.0152989	0.08369598	5.1760642	21	10 21.3	20.4
339563 2005 JT_{169}	17.0	X	34.56829	210.87739	86.19493	3.16918	0.0526481	0.20149521	2.8815505	21	9 15.2	20.7
339564 2005 KE_{2}	15.8	X	3.04986	127.74825	97.38069	7.17652	0.0250059	0.18186182	3.0853779	21	4 28.1	20.0
339565 2005 KH_{4}	16.0	X	1.97920	24.82140	221.94492	21.65437	0.0630588	0.18564403	3.0433277	21	5 20.8	20.0
339566 2005 KF_{8}	15.3	X	55.61653	106.78471	85.68658	13.43520	0.0977404	0.18509229	3.0493726	21	6 2.8	19.3
339567 2005 LR	15.4	X	249.39310	207.41792	101.60415	11.94207	0.1435007	0.17333443	3.1857583	21	3 12.3	20.5
339568 2005 LP_{4}	16.2	X	271.39987	87.24290	189.72018	8.58403	0.0612756	0.17460725	3.1702575	21	2 26.8	20.8
339569 2005 LR_{6}	15.6	X	291.30519	60.01646	197.80268	26.57422	0.1959467	0.17149840	3.2084553	21	2 6.8	20.8
339570 2005 LR_{8}	15.3	X	246.01539	269.41529	78.15858	16.91852	0.2470004	0.17932817	3.1143712	21	4 17.9	20.7
339571 2005 LF_{13}	16.0	X	250.57249	113.39138	204.88296	8.92948	0.0958129	0.17652462	3.1472594	21	3 21.7	20.8
339572 2005 LZ_{14}	15.9	X	203.15942	137.63545	206.66135	11.91454	0.2327392	0.17126567	3.2113613	21	3 3.6	21.6
339573 2005 LS_{16}	15.3	X	4.31621	322.90965	239.61205	14.16320	0.0930855	0.17874154	3.1211816	21	3 21.4	19.5
339574 2005 LR_{23}	16.2	X	336.86702	182.59856	80.12919	2.80792	0.0733550	0.18393463	3.0621541	21	5 4.2	20.2
339575 2005 LF_{25}	15.8	X	265.23090	104.66815	221.77589	9.35456	0.1063296	0.18006557	3.1058628	21	4 15.5	20.5
339576 2005 LC_{32}	17.7	X	330.11427	52.04350	274.08916	6.76172	0.0850846	0.30806104	2.1712585	21	7 17.4	19.5
339577 2005 LP_{37}	15.4	X	267.10325	66.31594	220.63666	16.90352	0.1296103	0.17333361	3.1857684	21	2 22.6	20.6
339578 2005 LA_{51}	17.7	X	284.83327	19.38441	282.03307	4.68963	0.1860979	0.29590011	2.2303480	21	3 12.7	20.9
339579 2005 MX_{11}	15.7	X	278.77723	80.01552	231.37077	15.45638	0.2244369	0.17772083	3.1331210	21	3 25.8	20.8
339580 2005 MK_{13}	16.8	X	198.21287	117.17227	248.23861	4.49057	0.2714513	0.28634452	2.2796953	21	3 16.2	20.9
339581 2005 MR_{14}	16.0	X	269.60807	104.15066	209.53490	10.06759	0.0774124	0.17830232	3.1263053	21	4 8.8	20.5
339582 2005 MY_{18}	15.5	X	286.76393	187.11574	124.44315	11.79768	0.0709826	0.18123198	3.0925222	21	5 3.2	20.0
339583 2005 MA_{21}	17.1	X	231.56328	100.73051	219.78443	7.34441	0.2322010	0.28805934	2.2706389	21	2 13.9	21.2
339584 2005 MG_{23}	16.5	X	228.18301	113.43316	194.62212	22.17451	0.2551475	0.28501034	2.2868042	21	1 26.1	20.9
339585 2005 MY_{30}	15.6	X	198.93942	261.80004	100.19714	10.32553	0.0936218	0.17461789	3.1701287	21	3 28.6	20.7
339586 2005 MM_{32}	16.8	X	233.03022	20.57083	333.73763	9.55734	0.1439389	0.29356916	2.2421385	21	3 31.0	20.2
339587 2005 MG_{35}	17.8	X	194.90287	31.28225	296.37743	1.69218	0.2217663	0.28323777	2.2963352	21	1 27.8	21.4
339588 2005 MO_{35}	17.4	X	179.92110	313.71906	120.96379	4.16173	0.0884252	0.29904616	2.2146779	21	5 26.8	20.3
339589 2005 MJ_{40}	18.0	X	357.19401	313.33154	266.08184	6.14912	0.1837116	0.29781612	2.2207717	21	2 28.9	20.0
339590 2005 MA_{43}	15.5	X	293.20699	347.86768	293.27565	11.99205	0.1148661	0.17040656	3.2221457	21	3 17.9	20.3
339591 2005 ME_{47}	17.2	X	191.52496	78.19516	248.97222	6.40314	0.1546225	0.28213438	2.3023184	21	1 19.5	20.7
339592 2005 MU_{50}	17.6	X	84.37153	246.72378	312.99872	3.37484	0.0694246	0.30584682	2.1817253	21	7 19.4	19.9
339593 2005 MQ_{53}	17.5	X	206.58468	252.13125	130.18110	1.44640	0.2244566	0.28997004	2.2606533	21	4 14.9	21.3
339594 2005 NW_{16}	18.1	X	216.41896	160.39327	174.35235	1.64978	0.1536988	0.28787706	2.2715973	21	2 21.8	21.6
339595 2005 NQ_{22}	17.7	X	52.47299	75.15423	186.23503	1.41591	0.1138034	0.31129040	2.1562159	21	9 10.3	19.9
339596 2005 NA_{29}	18.0	X	249.63818	100.88490	218.96240	1.90410	0.1558111	0.29141285	2.2531854	21	3 5.5	21.4
339597 2005 NX_{36}	17.1	X	231.74111	181.53190	146.61793	5.69308	0.2076877	0.28932718	2.2640007	21	2 27.1	20.6
339598 2005 NQ_{40}	18.0	X	314.17959	170.45331	125.10463	5.24939	0.1231562	0.30082659	2.2059309	21	4 27.7	20.3
339599 2005 NS_{54}	17.6	X	247.73836	197.44310	144.81149	5.14759	0.1177477	0.29480627	2.2358616	21	4 7.2	20.6
339600 2005 NX_{54}	18.1	X	297.39021	52.52665	221.16690	2.04485	0.1640279	0.29429895	2.2384303	21	2 22.7	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
339601 2005 NV_{67}	17.7	X	253.71792	13.36807	278.49179	2.45652	0.1656094	0.28966462	2.2622421	21	2 1.9	21.2
339602 2005 NR_{87}	17.8	X	212.84193	77.30953	275.55200	1.99326	0.1925381	0.28995552	2.2607288	21	3 12.4	21.4
339603 2005 NV_{97}	17.9	X	329.79860	133.64119	126.63757	5.18793	0.1111713	0.29806549	2.2195329	21	4 2.2	20.2
339604 2005 NX_{122}	17.1	X	223.23169	233.20206	128.47631	7.17230	0.1539930	0.29150819	2.2526940	21	4 6.9	20.6
339605 2005 OQ	17.8	X	258.86537	234.54446	101.83451	2.75647	0.1585661	0.29533862	2.2331739	21	4 7.3	20.9
339606 2005 OT_{3}	17.3	X	231.24120	313.76270	13.59863	6.32628	0.2075685	0.28955514	2.2628123	21	2 27.3	20.9
339607 2005 OW_{3}	17.5	X	218.69303	272.52734	42.33878	7.51437	0.1432730	0.28557796	2.2837729	21	2 2.3	21.1
339608 2005 OE_{6}	17.6	X	223.09089	265.23643	89.99940	3.51462	0.1803671	0.28962216	2.2624632	21	3 27.6	21.1
339609 2005 OP_{6}	17.4	X	194.32282	287.44045	68.16638	2.67162	0.2565040	0.28411234	2.2916203	21	3 4.8	21.3
339610 2005 OA_{8}	18.1	X	285.54302	125.96296	175.85617	5.13512	0.1998902	0.29538483	2.2329410	21	3 14.9	21.3
339611 2005 OG_{9}	17.7	X	272.71798	355.20697	320.26161	3.41360	0.1674746	0.29522332	2.2337554	21	3 21.5	20.8
339612 2005 OK_{12}	16.9	X	221.79231	54.30755	335.41931	7.58625	0.0985001	0.29453041	2.2372574	21	5 8.8	20.1
339613 2005 OW_{13}	17.6	X	180.53035	192.59008	192.61471	6.17892	0.1277512	0.28843584	2.2686625	21	3 22.1	20.8
339614 2005 OF_{16}	17.8	X	251.63164	42.55986	291.65513	2.20060	0.1974445	0.29255069	2.2473392	21	3 22.7	21.3
339615 2005 OD_{19}	17.7	X	184.62487	113.56667	275.69512	3.67449	0.1863764	0.28705760	2.2759184	21	4 1.8	21.3
339616 2005 OE_{19}	17.3	X	200.65427	184.34481	170.03319	6.34991	0.2162967	0.28513667	2.2861287	21	3 5.6	21.1
339617 2005 OS_{19}	17.3	X	2.52694	287.21266	323.83738	6.46956	0.1559618	0.30087920	2.2056738	21	5 10.3	19.0
339618 2005 OB_{24}	17.3	X	54.34130	26.29303	195.70450	6.79948	0.0390464	0.30273283	2.1966610	21	6 29.8	19.8
339619 2005 ON_{28}	17.1	X	197.44253	299.39612	29.46772	6.53369	0.1343350	0.28135960	2.3065430	21	1 30.3	20.6
339620 2005 PL_{4}	17.0	X	178.74289	295.57172	58.38538	7.46274	0.2604559	0.28306621	2.2972629	21	2 21.3	20.9
339621 2005 PZ_{5}	17.5	X	267.59673	113.05084	167.40321	23.47825	0.2447800	0.28932256	2.2640248	21	1 25.4	21.7
339622 2005 PE_{13}	17.5	X	301.72881	291.23392	14.55245	4.66200	0.1744624	0.29755011	2.2220951	21	4 12.4	20.1
339623 2005 PA_{18}	17.6	X	229.39925	116.33526	202.26910	3.80481	0.1542199	0.28709815	2.2757041	21	2 12.7	21.2
339624 2005 PA_{20}	17.6	X	176.71326	326.67232	331.68875	1.67210	0.2121940	0.27581927	2.3373279	21	—	—
339625 2005 QY	17.3	X	202.99285	332.91255	348.74486	7.09591	0.1398641	0.28277774	2.2988249	21	1 26.2	20.7
339626 2005 QF_{5}	17.2	X	293.59154	304.83915	333.95954	6.62080	0.1307089	0.29308463	2.2446089	21	3 2.1	20.0
339627 2005 QG_{7}	17.3	X	212.89807	62.43457	343.39938	4.95711	0.1595038	0.29389126	2.2404999	21	5 20.1	20.7
339628 2005 QT_{8}	17.5	X	187.73731	48.05148	267.09077	1.39805	0.2365304	0.27844425	2.3226149	21	1 8.3	21.1
339629 2005 QV_{9}	17.0	X	202.88224	255.72955	151.13485	6.85812	0.0919398	0.29425623	2.2386469	21	5 16.3	20.2
339630 2005 QX_{9}	17.6	X	235.67500	27.56209	300.10858	7.66670	0.1017054	0.28838852	2.2689107	21	3 2.0	20.9
339631 2005 QE_{14}	16.9	X	173.28153	58.08316	342.42438	6.31367	0.0995455	0.28699538	2.2762473	21	3 31.5	20.1
339632 2005 QU_{16}	17.5	X	246.52767	178.92647	148.53822	8.91926	0.1807191	0.28930369	2.2641232	21	3 13.4	21.0
339633 2005 QW_{26}	17.8	X	224.67175	228.59718	60.34092	3.11524	0.2160043	0.27989214	2.3145980	21	1 5.7	21.8
339634 2005 QG_{27}	17.8	X	241.39490	227.66601	82.45084	3.03691	0.2783272	0.28649344	2.2789052	21	2 11.8	21.8
339635 2005 QR_{28}	18.0	X	238.37931	89.97261	220.01552	1.78057	0.2494616	0.28675726	2.2775072	21	2 8.4	21.8
339636 2005 QU_{30}	17.6	X	178.09128	234.89645	144.47435	5.29892	0.2460354	0.28526761	2.2854290	21	3 20.9	21.3
339637 2005 QH_{33}	17.9	X	231.38478	334.27380	318.10109	0.96965	0.2270039	0.28392022	2.2926539	21	1 14.4	21.8
339638 2005 QE_{36}	16.6	X	258.65777	314.59263	353.84968	6.72780	0.1991940	0.28894622	2.2659903	21	2 26.9	20.0
339639 2005 QS_{37}	17.1	X	212.43686	58.96516	331.91131	6.51227	0.0970292	0.29111627	2.2547154	21	4 30.1	20.4
339640 2005 QT_{37}	17.9	X	202.63424	184.04692	174.43369	5.81476	0.2016395	0.28476313	2.2881275	21	3 12.2	21.6
339641 2005 QB_{42}	17.4	X	191.07616	71.72760	286.64862	2.26494	0.1742724	0.28348659	2.2949912	21	2 28.4	20.9
339642 2005 QR_{42}	17.0	X	104.75176	252.01750	157.20997	10.09556	0.2398619	0.27416730	2.3467074	21	2 9.7	19.6
339643 2005 QR_{44}	17.2	X	233.44790	204.72397	143.65550	6.28618	0.2201250	0.28994893	2.2607630	21	3 26.8	21.0
339644 2005 QK_{48}	17.5	X	174.74259	9.63028	45.62989	2.98091	0.1814190	0.28798997	2.2710035	21	4 28.2	20.9
339645 2005 QC_{51}	17.1	X	171.46349	314.59864	18.24037	7.38085	0.2623573	0.27680517	2.3317747	21	1 20.4	21.0
339646 2005 QG_{51}	17.2	X	214.87340	258.73973	80.52896	5.68556	0.2587311	0.28500423	2.2868368	21	3 1.6	21.2
339647 2005 QX_{52}	17.5	X	216.76489	315.12120	5.27535	4.78919	0.2260926	0.28534284	2.2850273	21	2 6.9	21.3
339648 2005 QM_{55}	17.4	X	229.11564	340.91609	23.34084	4.81027	0.1689554	0.29070844	2.2568237	21	4 12.3	20.8
339649 2005 QH_{56}	17.8	X	198.72717	199.91952	118.51793	2.60327	0.3086622	0.28028247	2.3124486	21	1 23.5	22.0
339650 2005 QR_{56}	17.7	X	202.23914	138.60433	210.53152	3.33180	0.2293004	0.28612506	2.2808608	21	2 27.6	21.5
339651 2005 QR_{60}	17.1	X	230.73560	1.80272	328.87548	6.95550	0.1319119	0.28689841	2.2767602	21	3 2.2	20.5
339652 2005 QA_{67}	17.8	X	226.25728	218.26156	148.10101	3.06201	0.1874161	0.29083730	2.2561570	21	4 12.7	21.3
339653 2005 QE_{69}	17.3	X	258.77917	248.64859	63.81433	5.59756	0.2250883	0.29096119	2.2555165	21	3 4.0	20.9
339654 2005 QC_{70}	17.7	X	192.44046	311.82894	32.67002	2.66686	0.2252346	0.28289515	2.2981888	21	2 16.7	21.4
339655 2005 QC_{72}	17.8	X	211.83332	80.33000	278.63535	1.48063	0.2331640	0.28710761	2.2756541	21	3 19.7	21.6
339656 2005 QZ_{72}	17.4	X	197.27663	158.55673	187.53254	4.44318	0.1489948	0.28225952	2.3016378	21	2 17.8	20.8
339657 2005 QF_{73}	16.7	X	172.03729	36.29042	9.60877	23.66588	0.2684408	0.28215770	2.3021915	21	4 12.7	20.8
339658 2005 QC_{74}	17.1	X	198.84038	345.58454	337.96993	4.85442	0.2373928	0.28001035	2.3139466	21	1 28.1	20.9
339659 2005 QO_{81}	17.8	X	170.48550	10.39192	12.90108	2.88197	0.2264349	0.28336551	2.2956450	21	3 17.5	21.3
339660 2005 QR_{81}	17.5	X	211.52401	358.51284	345.67924	3.92513	0.1665604	0.28622913	2.2803079	21	3 1.9	21.0
339661 2005 QN_{82}	17.7	X	324.54040	315.88253	297.43989	3.98819	0.1837314	0.29288178	2.2456452	21	2 26.7	20.1
339662 2005 QD_{84}	17.3	X	91.32745	107.65423	337.37581	3.29783	0.0511588	0.27941099	2.3172544	21	2 9.6	19.8
339663 2005 QR_{85}	16.9	X	176.78589	18.97986	335.75228	4.13665	0.1632567	0.27732900	2.3288375	21	2 12.0	20.4
339664 2005 QG_{87}	15.5	X	313.76347	49.58202	281.88950	10.16694	0.1813702	0.17746702	3.1361075	21	6 14.6	19.5
339665 2005 QO_{92}	15.5	X	173.08684	139.04123	158.37183	10.29154	0.0564083	0.14749318	3.5477643	21	—	—
339666 2005 QT_{98}	16.7	X	239.98317	320.52476	7.36507	6.61762	0.1334579	0.28897963	2.2658156	21	3 9.9	19.9
339667 2005 QZ_{98}	17.3	X	264.15574	302.39868	13.67789	5.24295	0.1452972	0.29165136	2.2519567	21	3 18.1	20.3
339668 2005 QJ_{106}	17.5	X	169.45088	248.56775	57.90443	3.14854	0.2250493	0.27427678	2.3460829	21	—	—
339669 2005 QB_{114}	17.7	X	246.20659	165.18643	156.61996	9.86938	0.2806056	0.28856950	2.2679620	21	2 28.2	21.5
339670 2005 QR_{119}	17.6	X	182.79301	74.25627	343.04234	6.92639	0.0585540	0.29294015	2.2453469	21	5 1.1	20.6
339671 2005 QC_{124}	18.1	X	263.29295	145.08042	160.87613	6.74038	0.2010440	0.29003533	2.2603140	21	2 26.6	21.4
339672 2005 QM_{129}	17.3	X	51.98129	30.79287	121.01255	4.96391	0.0695397	0.28596602	2.2817064	21	3 18.0	19.6
339673 2005 QC_{136}	18.2	X	133.05070	273.54589	144.40346	2.35884	0.2109742	0.27982154	2.3149874	21	3 25.3	21.5
339674 2005 QT_{140}	17.9	X	318.70828	105.75338	162.97145	6.24718	0.0895304	0.29326075	2.2437102	21	3 31.2	20.3
339675 2005 QF_{143}	16.7	X	250.99764	352.42936	328.56143	12.58959	0.2394355	0.28969999	2.2620580	21	3 2.4	20.5
339676 2005 QX_{143}	18.1	X	174.91774	307.57202	72.94508	3.74845	0.2182315	0.28310392	2.2970589	21	3 18.9	21.7
339677 2005 QB_{146}	17.5	X	180.17071	13.10404	352.34588	3.43924	0.2061142	0.28438191	2.2901718	21	3 2.3	21.1
339678 2005 QR_{146}	17.3	X	299.73487	296.12988	8.53912	7.31487	0.1745310	0.29772936	2.2212031	21	4 7.6	19.8
339679 2005 QY_{150}	17.3	X	305.17688	94.98402	170.01654	6.97958	0.0958615	0.28763416	2.2728760	21	3 4.4	20.1
339680 2005 QC_{155}	17.6	X	236.53303	289.06412	26.86715	3.44023	0.1823788	0.28753422	2.2734026	21	2 17.9	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
339681 2005 QN_{165}	16.4	X	237.27560	301.23161	46.64512	7.60132	0.1698965	0.28914613	2.2649457	21	4 1.7	19.9
339682 2005 QJ_{167}	17.3	X	257.41133	58.98596	267.38411	5.04751	0.1555423	0.29035996	2.2586290	21	3 19.9	20.6
339683 2005 QK_{172}	17.1	X	185.29183	141.95303	226.01966	3.85385	0.1566853	0.28239751	2.3008880	21	3 5.7	20.7
339684 2005 QL_{172}	17.3	X	153.23465	115.77425	314.44834	4.38384	0.0678142	0.28664896	2.2780808	21	4 13.9	20.4
339685 2005 QM_{173}	17.6	X	256.04315	57.81421	266.18395	2.26044	0.1827901	0.28897202	2.2658554	21	3 15.1	21.1
339686 2005 QQ_{174}	17.5	X	144.91725	223.34462	182.82563	2.55213	0.1504706	0.28209162	2.3025510	21	3 14.4	20.7
339687 2005 QH_{177}	17.3	X	42.80426	151.00829	9.80244	6.24297	0.0873254	0.28451136	2.2894771	21	3 15.5	19.5
339688 2005 QS_{177}	17.6	X	232.82426	303.95697	13.17768	4.30484	0.1365986	0.28498006	2.2869662	21	2 17.6	20.9
339689 2005 QH_{179}	18.2	X	181.39493	45.04400	348.82299	2.65301	0.2337239	0.28506796	2.2864960	21	4 7.9	21.9
339690 2005 QT_{179}	17.5	X	234.28291	216.68310	89.80736	3.76425	0.1925014	0.28443474	2.2898882	21	2 3.9	21.3
339691 2005 QQ_{181}	17.3	X	178.03260	17.76864	1.82395	7.01664	0.1123920	0.28086717	2.3092382	21	3 13.4	20.6
339692 2005 QW_{181}	17.6	X	116.36783	163.05192	240.95995	1.70354	0.1761823	0.27649075	2.3335421	21	2 8.4	20.3
339693 2005 QQ_{182}	17.9	X	119.62261	274.79234	180.67089	2.16695	0.0925415	0.28555311	2.2839054	21	4 11.6	20.6
339694 2005 QU_{186}	17.8	X	270.93771	127.98421	172.88495	1.89817	0.2277026	0.29032734	2.2587982	21	2 24.9	21.4
339695 2005 QA_{187}	18.0	X	164.14470	248.35331	165.15768	2.71810	0.1342592	0.28786208	2.2716761	21	4 13.1	21.2
339696 2005 QY_{188}	17.1	X	164.25441	350.74501	82.12341	5.51287	0.1221167	0.28738749	2.2741764	21	5 9.0	20.3
339697 2005 RH	15.3	X	144.11256	92.31336	276.60514	14.41333	0.1387883	0.15406920	3.4460812	21	2 7.2	20.8
339698 2005 RD_{2}	16.4	X	227.85545	52.58780	228.97283	23.08858	0.1600760	0.27698542	2.3307630	21	—	—
339699 2005 RX_{4}	16.9	X	245.90334	35.89106	255.02265	6.41957	0.1065135	0.28088321	2.3091503	21	1 26.7	20.2
339700 2005 RY_{5}	17.7	X	253.76194	111.04902	176.13145	5.62764	0.2994325	0.28723365	2.2749883	21	1 21.5	21.8
339701 2005 RM_{6}	17.4	X	227.04392	11.60160	353.33856	2.92171	0.1668428	0.28862753	2.2676579	21	4 10.6	20.8
339702 2005 RZ_{9}	16.2	X	174.56038	213.69415	209.28576	22.98738	0.1759889	0.28652704	2.2787270	21	5 8.7	19.8
339703 2005 RU_{10}	16.9	X	219.91420	312.10030	49.31394	8.07915	0.2467774	0.28976964	2.2616955	21	4 1.6	20.8
339704 2005 RH_{11}	17.0	X	211.17154	7.94729	313.73825	5.06820	0.1849761	0.28117859	2.3075328	21	2 2.4	20.7
339705 2005 RB_{22}	17.3	X	223.09812	320.16615	45.50311	10.09279	0.3126558	0.29052518	2.2577726	21	4 7.7	21.4
339706 2005 RZ_{25}	16.7	X	198.85032	112.90976	217.68986	6.35964	0.1406524	0.27952536	2.3166223	21	1 29.9	20.3
339707 2005 RK_{27}	16.4	X	216.86786	158.23677	205.63403	22.99033	0.2640383	0.28636326	2.2795958	21	3 28.3	20.4
339708 2005 RH_{29}	17.8	X	244.67297	88.44279	242.60096	3.95568	0.2193494	0.28853500	2.2681427	21	3 10.8	21.5
339709 2005 RZ_{32}	17.4	X	228.86355	15.94796	317.71219	3.06366	0.1884815	0.28614178	2.2807720	21	3 3.1	21.1
339710 2005 RH_{41}	17.3	X	176.29505	45.42189	39.84913	3.09953	0.0545487	0.29463213	2.2367424	21	6 4.2	20.2
339711 2005 RA_{43}	17.6	X	247.57800	76.12452	265.82807	4.45529	0.2106194	0.29190846	2.2506343	21	3 26.9	21.4
339712 2005 SE	17.0	X	172.14016	109.95253	280.19247	5.70632	0.1009660	0.28321664	2.2964494	21	3 15.6	20.4
339713 2005 SG_{1}	17.3	X	213.54122	326.27230	15.78296	6.66277	0.2995928	0.28592350	2.2819326	21	3 3.5	21.4
339714 2005 ST_{1}	20.3	X	322.64127	80.69919	7.55658	20.23042	0.3708366	0.56376809	1.4512282	21	—	—
339715 2005 SS_{4}	19.1	X	33.83559	192.25874	28.66168	14.57673	0.7513963	0.55870479	1.4599829	21	10 13.6	21.2
339716 2005 SL_{5}	17.7	X	190.76907	171.27378	190.29147	2.70222	0.1641329	0.28242668	2.3007295	21	3 4.3	21.3
339717 2005 SG_{7}	17.8	X	203.77195	29.69426	359.75085	4.97314	0.1421215	0.28823822	2.2696994	21	4 19.9	21.2
339718 2005 SP_{8}	17.3	X	108.53045	281.92974	199.19809	4.87736	0.1049516	0.28495987	2.2870742	21	5 5.4	20.1
339719 2005 SJ_{9}	16.8	X	275.27831	321.18538	335.86272	24.08407	0.1245856	0.28914636	2.2649445	21	3 3.6	20.0
339720 2005 SF_{12}	17.4	X	188.58062	76.84151	331.88899	2.93961	0.1675768	0.28768592	2.2726034	21	4 30.9	20.9
339721 2005 SO_{13}	17.7	X	211.89454	192.44827	156.70145	0.66599	0.2116442	0.28450757	2.2894975	21	3 8.7	21.3
339722 2005 SB_{14}	16.9	X	108.88953	18.46449	15.58049	8.63246	0.1487609	0.27189215	2.3597805	21	1 14.4	19.7
339723 2005 SA_{23}	17.8	X	272.98654	256.93527	50.03965	2.93294	0.1773420	0.29020482	2.2594339	21	3 13.0	21.0
339724 2005 SO_{28}	17.3	X	264.12684	4.15822	269.69178	3.44100	0.1879536	0.28226453	2.3016106	21	1 19.9	20.8
339725 2005 SK_{33}	17.1	X	182.03950	185.06130	174.55789	7.08995	0.1377630	0.27914111	2.3187478	21	2 19.8	20.5
339726 2005 SL_{34}	18.0	X	163.80194	325.06344	92.46168	3.39986	0.1826719	0.28361691	2.2942882	21	4 22.4	21.5
339727 2005 SF_{37}	15.1	X	143.49481	359.81219	12.14087	9.93545	0.1034545	0.15047451	3.5007473	21	2 15.7	20.4
339728 2005 SE_{39}	18.1	X	159.21627	359.83608	13.45021	1.28009	0.2026313	0.27802270	2.3249621	21	2 21.5	21.6
339729 2005 SJ_{39}	17.4	X	150.41870	71.57587	14.52619	4.55392	0.1005639	0.28742117	2.2739987	21	5 7.1	20.4
339730 2005 SS_{41}	17.8	X	304.01841	26.05490	226.25986	6.44166	0.1506741	0.28403543	2.2920339	21	2 4.0	21.1
339731 2005 SG_{43}	17.7	X	177.15006	68.29437	344.31882	4.86640	0.1863282	0.28547672	2.2843129	21	4 25.2	21.4
339732 2005 SK_{44}	17.4	X	190.05834	346.79656	4.83433	9.19640	0.2788172	0.28081913	2.3095015	21	2 27.1	21.4
339733 2005 SL_{44}	17.8	X	240.14236	34.50808	289.52338	2.00175	0.0970929	0.28401618	2.2921375	21	3 5.2	21.1
339734 2005 SR_{44}	17.8	X	108.23729	69.60807	317.64260	1.50068	0.2255100	0.26998141	2.3709013	21	1 15.1	20.4
339735 2005 SE_{46}	17.2	X	143.44096	36.85332	8.61300	6.49627	0.1060371	0.27908766	2.3190438	21	3 8.5	20.1
339736 2005 SS_{47}	17.2	X	200.17262	117.31929	208.43934	6.39343	0.1281842	0.27816812	2.3241517	21	1 25.0	20.8
339737 2005 SP_{48}	17.2	X	267.94601	327.39390	354.37635	3.87961	0.0279443	0.28722599	2.2750288	21	4 11.9	20.0
339738 2005 SF_{49}	17.6	X	92.88728	246.49716	177.95040	2.10787	0.1855861	0.27174272	2.3606455	21	2 3.9	20.0
339739 2005 SU_{50}	18.3	X	212.41388	139.89674	196.55244	5.91876	0.3009479	0.28331970	2.2958924	21	2 20.6	22.5
339740 2005 SZ_{50}	17.4	X	117.93597	231.95560	200.46319	7.99433	0.1172205	0.27816917	2.3241459	21	3 10.6	20.3
339741 2005 SE_{51}	16.6	X	72.33798	101.55202	6.51284	6.72258	0.0706031	0.27686644	2.3314307	21	2 17.9	19.1
339742 2005 SU_{52}	17.5	X	164.86082	273.32041	108.59711	1.77651	0.1616790	0.28005953	2.3136756	21	3 6.5	21.0
339743 2005 SS_{55}	17.5	X	122.64042	239.13697	184.90770	2.23663	0.1695731	0.27726575	2.3291917	21	3 15.1	20.5
339744 2005 SF_{56}	17.2	X	149.20361	352.65827	59.31558	3.09985	0.1995840	0.28008956	2.3135103	21	4 2.5	20.6
339745 2005 SG_{56}	17.8	X	187.65781	215.59404	178.52812	5.37922	0.2782155	0.28450177	2.2895286	21	4 16.1	21.7
339746 2005 SA_{57}	17.8	X	159.56710	129.25833	277.01491	1.59592	0.1984964	0.28255192	2.3000496	21	4 2.6	21.4
339747 2005 SO_{58}	17.6	X	153.85842	6.76525	4.20340	7.26754	0.1315155	0.27633077	2.3344427	21	2 7.9	20.8
339748 2005 SA_{60}	16.7	X	242.98994	253.29353	21.07017	7.80037	0.2130262	0.27857401	2.3218936	21	1 3.6	20.7
339749 2005 SH_{62}	17.6	X	201.75611	321.61038	15.82860	2.95044	0.2450694	0.28128654	2.3069424	21	2 16.2	21.4
339750 2005 SH_{64}	17.4	X	8.15830	134.75903	25.55630	2.08922	0.1706215	0.27454255	2.3445686	21	1 3.8	19.7
339751 2005 SB_{66}	17.8	X	97.84700	253.14050	191.66945	5.09058	0.1508583	0.27680712	2.3317638	21	3 5.6	20.4
339752 2005 SK_{66}	17.7	X	167.02118	65.05921	329.02956	4.81143	0.1741617	0.28198722	2.3031193	21	3 22.6	21.2
339753 2005 SC_{68}	17.9	X	284.37106	349.05816	313.34559	2.15804	0.2142477	0.29133798	2.2535714	21	3 12.6	21.1
339754 2005 SQ_{68}	17.6	X	188.91488	164.66817	206.12125	4.01142	0.1819116	0.28273631	2.2990495	21	3 14.4	21.3
339755 2005 SH_{73}	17.4	X	184.95490	199.47173	183.22221	5.74175	0.1363839	0.28242841	2.3007202	21	3 25.1	20.8
339756 2005 SQ_{73}	17.7	X	175.98019	323.55241	57.44642	3.40928	0.2300908	0.28093688	2.3088561	21	3 20.9	21.4
339757 2005 SP_{76}	17.7	X	124.29988	65.72421	8.98396	5.61210	0.1255797	0.28122990	2.3072521	21	3 25.3	20.6
339758 2005 SJ_{78}	17.5	X	49.05199	158.35896	25.55907	4.87565	0.0672773	0.28923863	2.2644628	21	4 27.0	19.6
339759 2005 SU_{78}	17.8	X	344.60016	137.56955	97.84850	1.64196	0.0598584	0.28784010	2.2717917	21	3 27.9	20.0
339760 2005 SD_{81}	17.4	X	261.85718	234.96974	28.13531	2.93085	0.1939507	0.28121475	2.3073350	21	1 5.5	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
339761 2005 SB_{82}	18.5	X	182.34600	207.52286	167.20535	3.24016	0.1525201	0.28287031	2.2983234	21	3 13.1	21.9
339762 2005 SO_{85}	17.5	X	156.16430	252.12571	181.01790	4.51222	0.1001973	0.28624613	2.2802177	21	4 28.3	20.5
339763 2005 SF_{95}	15.4	X	68.81540	259.80731	182.23811	10.38366	0.0643832	0.14789935	3.5412659	21	1 31.8	20.4
339764 2005 SU_{96}	17.2	X	169.56399	270.15885	183.02307	7.86375	0.1239243	0.29248437	2.2476789	21	6 10.8	20.6
339765 2005 SO_{97}	17.1	X	174.99529	321.92932	35.56737	5.18769	0.1317024	0.27906981	2.3191427	21	2 12.9	20.5
339766 2005 SZ_{98}	17.1	X	250.64368	48.55690	261.89276	3.85434	0.1743861	0.28518889	2.2858496	21	2 21.2	20.7
339767 2005 SE_{99}	17.2	X	173.37378	199.23843	230.27936	6.28078	0.1210798	0.28772916	2.2723757	21	5 13.0	20.5
339768 2005 SA_{105}	17.4	X	154.97846	22.03263	34.59308	4.75597	0.1972571	0.28135411	2.3065730	21	4 13.1	20.9
339769 2005 SP_{106}	17.6	X	89.07939	274.49117	191.95109	5.21543	0.1138035	0.28039498	2.3118300	21	3 16.6	20.2
339770 2005 SQ_{111}	17.5	X	177.83739	133.36982	237.92688	3.88630	0.2340028	0.28032969	2.3121890	21	3 7.3	21.2
339771 2005 SL_{112}	17.0	X	255.99543	0.31795	308.90592	6.40074	0.1358013	0.28635061	2.2796629	21	2 27.1	20.3
339772 2005 SS_{114}	16.7	X	199.96393	333.94907	2.22373	6.33144	0.1588442	0.28018674	2.3129753	21	2 11.7	20.3
339773 2005 SB_{115}	17.8	X	98.09508	263.42280	209.21412	3.54612	0.1872472	0.28062692	2.3105560	21	4 21.6	20.4
339774 2005 SS_{115}	17.6	X	326.78976	17.46929	199.78254	5.90131	0.1005343	0.28042051	2.3116897	21	1 26.5	20.4
339775 2005 SR_{118}	16.9	X	211.26829	251.12200	68.78908	7.47583	0.1591220	0.28060866	2.3106562	21	2 2.0	20.6
339776 2005 SX_{119}	17.7	X	97.99354	135.45339	354.60546	2.55861	0.1619432	0.28567798	2.2832399	21	5 11.1	20.4
339777 2005 SH_{121}	17.3	X	232.30595	10.30584	316.05148	2.21934	0.1904030	0.28531188	2.2851926	21	2 25.3	20.8
339778 2005 SH_{123}	17.1	X	115.30176	52.85718	4.97061	6.94128	0.0529941	0.27743451	2.3282471	21	2 9.4	19.9
339779 2005 SK_{129}	17.3	X	200.55543	126.86358	197.07548	2.37810	0.1672952	0.27784890	2.3259315	21	1 26.0	20.8
339780 2005 SH_{133}	16.8	X	117.44271	17.21081	18.72248	4.25802	0.0996567	0.27223678	2.3577885	21	1 20.7	19.6
339781 2005 SY_{133}	16.9	X	216.31708	75.28773	203.25918	22.62304	0.2666889	0.27498280	2.3420655	21	—	—
339782 2005 SV_{135}	17.4	X	84.89132	162.26373	19.13160	6.18241	0.0921010	0.29455157	2.2371503	21	6 25.9	20.0
339783 2005 SV_{137}	17.1	X	173.03464	319.16458	34.82184	7.19392	0.1327413	0.27602251	2.3361804	21	2 7.7	20.5
339784 2005 SQ_{147}	17.1	X	325.02315	235.18118	27.81671	7.41528	0.1028324	0.28803339	2.2707753	21	3 31.4	19.5
339785 2005 SY_{147}	17.1	X	272.09953	262.37429	23.05612	22.98473	0.2071058	0.28496479	2.2870478	21	2 21.9	21.1
339786 2005 SR_{148}	17.1	X	88.73753	43.88615	35.58772	5.77056	0.1531125	0.27338867	2.3511610	21	2 16.5	19.5
339787 2005 SH_{152}	17.1	X	255.49126	289.46942	45.67523	7.79609	0.1989281	0.28909057	2.2652359	21	3 31.8	20.6
339788 2005 SJ_{153}	17.8	X	126.98550	223.86182	192.07766	4.97968	0.1487866	0.27676054	2.3320254	21	3 5.8	20.9
339789 2005 SZ_{154}	18.0	X	249.03065	303.01164	344.74924	3.38543	0.1672983	0.28232782	2.3012666	21	1 25.7	21.7
339790 2005 SE_{163}	17.7	X	225.62737	283.48379	37.27116	2.94904	0.2426962	0.28350049	2.2949162	21	2 14.1	21.7
339791 2005 SX_{168}	16.8	X	285.67089	296.90068	342.50442	7.81235	0.0119759	0.28434841	2.2903517	21	3 10.8	19.5
339792 2005 SK_{178}	17.0	X	178.01821	301.18766	11.33829	9.02174	0.1562626	0.27414442	2.3468380	21	—	—
339793 2005 SF_{179}	17.9	X	172.38666	49.14463	348.70266	2.48922	0.1864970	0.28373119	2.2936721	21	4 3.2	21.5
339794 2005 SE_{184}	17.7	X	167.49270	104.13519	282.27471	1.11395	0.1826717	0.28064059	2.3104810	21	3 15.1	21.3
339795 2005 SS_{184}	17.5	X	336.39168	215.38945	347.98689	4.10142	0.1141041	0.27879722	2.3206541	21	1 22.2	20.2
339796 2005 SJ_{186}	17.6	X	247.85938	246.59969	24.38732	2.91461	0.0539302	0.27630680	2.3345777	21	1 8.7	20.6
339797 2005 SZ_{188}	17.8	X	230.85593	154.21300	176.92795	0.24074	0.1756256	0.28450747	2.2894980	21	3 2.9	21.4
339798 2005 SB_{190}	17.3	X	174.74098	329.15339	47.28776	5.41411	0.1515235	0.28050702	2.3112144	21	3 10.5	20.7
339799 2005 SF_{192}	16.8	X	212.97509	298.34670	29.13629	6.85584	0.1428153	0.27954101	2.3165359	21	2 13.7	20.4
339800 2005 SY_{192}	17.6	X	263.76720	23.95256	220.90324	6.11140	0.0604173	0.27230398	2.3574006	21	—	—
339801 2005 SP_{193}	17.7	X	167.58427	133.96714	266.50116	0.76860	0.1615280	0.28151113	2.3057152	21	3 31.8	21.1
339802 2005 SF_{201}	17.8	X	205.79644	322.51565	16.24035	7.13001	0.1453408	0.28160171	2.3052208	21	2 20.6	21.3
339803 2005 SV_{201}	17.3	X	283.42347	122.86584	165.99523	6.36333	0.1789333	0.28975054	2.2617948	21	2 26.5	20.3
339804 2005 SM_{203}	17.0	X	168.10919	328.78743	31.29423	7.23956	0.1295822	0.27763853	2.3271063	21	2 9.8	20.4
339805 2005 SH_{205}	17.3	X	215.81111	23.60076	312.57171	6.39745	0.1309848	0.28397167	2.2923770	21	2 22.4	20.8
339806 2005 SR_{205}	17.2	X	263.50145	58.30903	276.93700	4.59984	0.1661405	0.29239712	2.2481260	21	4 6.3	20.4
339807 2005 SW_{205}	17.2	X	167.34298	329.36311	31.21861	4.11978	0.2341212	0.27864060	2.3215237	21	2 17.0	20.8
339808 2005 SQ_{207}	17.3	X	115.71276	169.80516	267.64853	3.97563	0.1914178	0.27789979	2.3256476	21	3 25.7	20.4
339809 2005 SJ_{209}	16.8	X	190.33960	270.82047	120.47561	6.72309	0.1392717	0.28488464	2.2874768	21	4 13.9	20.3
339810 2005 SJ_{215}	17.2	X	195.58943	80.71204	290.72212	3.87796	0.1818429	0.28329848	2.2960071	21	3 20.1	20.8
339811 2005 SN_{215}	16.9	X	196.57101	53.63694	294.94867	3.49141	0.0955450	0.27950649	2.3167266	21	2 18.6	20.1
339812 2005 SC_{216}	17.1	X	136.69853	85.12864	335.61966	6.64010	0.0826351	0.28101951	2.3084036	21	3 14.2	20.1
339813 2005 SF_{219}	16.9	X	178.60417	210.55170	136.95890	5.94635	0.2511231	0.27648711	2.3335626	21	2 10.3	20.7
339814 2005 SA_{224}	17.7	X	226.61105	56.04460	198.49221	1.30989	0.1571762	0.27204821	2.3588779	21	—	—
339815 2005 SX_{224}	17.8	X	259.58914	268.53843	57.87274	4.00485	0.1820054	0.28908168	2.2652823	21	3 24.9	21.2
339816 2005 SD_{227}	17.7	X	86.32365	349.84629	175.76115	5.02498	0.0764557	0.29092177	2.2557202	21	6 2.3	20.3
339817 2005 SW_{231}	17.7	X	188.07110	145.92865	203.48331	2.03752	0.2246343	0.27887560	2.3202193	21	2 17.7	21.4
339818 2005 SK_{232}	17.6	X	142.77515	3.65874	8.19567	1.42741	0.1904565	0.27320200	2.3522319	21	2 2.3	20.8
339819 2005 SW_{232}	17.6	X	162.51788	14.24689	21.05110	2.48256	0.2139341	0.27951268	2.3166924	21	3 25.1	21.3
339820 2005 SM_{233}	18.0	X	171.83065	133.10493	200.63346	0.60587	0.2134056	0.27362331	2.3498167	21	1 16.2	21.4
339821 2005 SU_{236}	17.6	X	259.20345	43.20036	262.23037	2.46268	0.1503900	0.28435183	2.2903333	21	2 25.4	20.8
339822 2005 SM_{238}	18.0	X	154.53156	0.72337	6.70029	1.98546	0.2239986	0.27536578	2.3398934	21	2 12.3	21.5
339823 2005 SV_{241}	17.8	X	17.80300	311.87847	236.97916	5.52380	0.0356074	0.28301028	2.2975655	21	3 11.5	20.5
339824 2005 SV_{244}	17.4	X	207.23009	279.54288	353.17401	0.93321	0.1703421	0.27156887	2.3616529	21	—	—
339825 2005 SF_{248}	17.5	X	123.08921	355.07133	40.75226	2.30453	0.1840314	0.27388219	2.3483357	21	2 9.8	20.4
339826 2005 SN_{249}	17.9	X	182.09694	246.85984	163.85866	4.35786	0.2520532	0.28671296	2.2777419	21	5 2.3	21.8
339827 2005 SA_{254}	18.0	X	209.16203	47.25323	302.03360	3.26972	0.1712312	0.28627220	2.2800792	21	3 4.8	21.7
339828 2005 SC_{254}	17.8	X	224.06969	38.85070	295.33860	1.79933	0.1853513	0.28698520	2.2763011	21	2 27.6	21.3
339829 2005 SB_{257}	17.4	X	186.56928	37.73514	28.33495	7.15984	0.1395810	0.29081491	2.2562728	21	5 21.2	20.8
339830 2005 SS_{259}	17.0	X	263.49385	4.12611	291.68618	4.73033	0.1671370	0.28628894	2.2799903	21	2 15.7	20.3
339831 2005 SN_{266}	17.5	X	180.12909	245.02683	139.50137	3.60488	0.1642481	0.28447246	2.2896858	21	3 25.1	21.0
339832 2005 SA_{279}	17.0	X	48.00669	321.23818	146.10536	6.67809	0.1121399	0.26824309	2.3811332	21	1 7.6	19.3
339833 2005 SH_{280}	17.3	X	174.94664	197.61764	144.51708	4.11140	0.1583555	0.27483433	2.3429089	21	1 24.6	20.8
339834 2005 SQ_{282}	15.5	X	37.83026	271.47684	181.31842	10.02190	0.0524581	0.14639024	3.5655617	21	1 4.9	20.5
339835 2005 SK_{289}	17.4	X	167.01149	188.34003	159.32288	5.49948	0.1352919	0.27442344	2.3452470	21	1 20.9	20.7
339836 2005 SL_{289}	17.6	X	128.30725	317.87470	124.29876	3.23985	0.1464002	0.28062378	2.3105732	21	4 13.9	20.7
339837 2005 SO_{289}	17.3	X	121.59530	188.99278	282.16573	1.61731	0.1261473	0.28582592	2.2824519	21	5 10.5	20.2
339838 2005 SL_{290}	17.4	X	36.66010	153.45641	347.74847	2.12230	0.1242163	0.27548950	2.3391928	21	2 4.1	19.6
339839 2005 TU	17.6	X	219.43180	132.02572	233.19922	1.26035	0.0521923	0.28775717	2.2722282	21	4 7.4	20.4
339840 2005 TQ_{1}	17.0	X	123.36179	197.70897	144.71901	7.74479	0.1587023	0.26937414	2.3744632	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
339841 2005 TR_{1}	17.5	X	195.26896	154.70682	221.28670	7.55571	0.2066850	0.28533526	2.2850678	21	3 25.9	21.4
339842 2005 TG_{12}	17.2	X	240.44345	250.29881	59.31144	2.92410	0.1761935	0.28251861	2.3002304	21	2 14.2	20.9
339843 2005 TR_{12}	17.3	X	200.48880	152.45385	180.10601	3.33130	0.1730334	0.27870536	2.3211640	21	2 5.6	20.8
339844 2005 TN_{13}	16.6	X	184.73293	330.34255	9.80405	11.52077	0.2621428	0.27640812	2.3340072	21	2 11.0	20.7
339845 2005 TH_{17}	17.9	X	213.52281	283.65404	46.70270	3.16819	0.1868553	0.28261386	2.2997136	21	2 16.3	21.5
339846 2005 TL_{18}	17.3	X	196.10609	267.13214	63.38790	2.99628	0.2353059	0.27899257	2.3195708	21	2 3.4	21.2
339847 2005 TK_{23}	17.1	X	137.30567	20.40646	51.40895	4.78350	0.2933021	0.27795613	2.3253333	21	4 24.9	20.9
339848 2005 TP_{25}	17.7	X	276.98486	251.50702	42.27828	3.29186	0.0562155	0.28269598	2.2992682	21	3 15.3	20.6
339849 2005 TU_{26}	17.1	X	146.63591	61.40289	40.52557	6.45329	0.0803569	0.28670806	2.2777678	21	5 22.9	20.1
339850 2005 TA_{28}	16.6	X	116.59430	340.65490	37.93293	7.39926	0.1186366	0.26989325	2.3714176	21	—	—
339851 2005 TX_{33}	17.1	X	139.68616	108.59936	29.72150	7.21940	0.0478187	0.29592290	2.2302335	21	7 3.4	20.0
339852 2005 TN_{41}	17.4	X	180.35286	169.42922	225.05743	2.44959	0.0651261	0.28510389	2.2863039	21	3 30.8	20.4
339853 2005 TL_{46}	17.4	X	153.64063	72.17731	314.92218	7.83692	0.1865184	0.27940939	2.3172633	21	3 1.2	20.8
339854 2005 TW_{46}	17.3	X	184.16648	355.25857	2.76109	5.51785	0.1332903	0.27953355	2.3165771	21	2 22.2	20.7
339855 2005 TC_{49}	17.0	X	120.09387	281.46810	216.75348	7.29506	0.0792875	0.29040743	2.2583829	21	6 10.3	19.8
339856 2005 TW_{55}	17.9	X	230.37800	69.84766	225.24901	4.62933	0.2482262	0.28233016	2.3012539	21	1 15.9	22.0
339857 2005 TL_{59}	17.2	X	113.20553	354.44956	61.03719	3.07765	0.1831443	0.27381957	2.3486938	21	2 23.7	20.0
339858 2005 TW_{61}	17.5	X	333.00272	151.51657	40.23950	7.41594	0.0516691	0.27393988	2.3480061	21	1 12.8	20.5
339859 2005 TJ_{62}	17.6	X	72.74404	74.53716	73.08690	2.31354	0.1079859	0.28223231	2.3017857	21	4 20.3	19.9
339860 2005 TX_{65}	17.9	X	118.52894	195.65957	242.92381	5.35547	0.1959151	0.27828844	2.3234818	21	3 31.4	21.0
339861 2005 TJ_{68}	17.5	X	316.43698	217.12277	35.39597	6.41947	0.1219236	0.28265958	2.2994656	21	3 2.9	20.3
339862 2005 TX_{70}	17.2	X	149.85337	226.68681	199.08671	6.35109	0.0856763	0.28150179	2.3057662	21	4 8.4	20.1
339863 2005 TB_{74}	17.2	X	197.23847	207.36992	136.12872	5.93794	0.2287601	0.27983111	2.3149346	21	2 19.2	21.0
339864 2005 TG_{80}	17.0	X	308.24075	275.66231	337.91812	7.13196	0.0977731	0.28487860	2.2875091	21	2 21.7	19.8
339865 2005 TV_{94}	17.4	X	214.66082	13.72944	293.18467	1.27802	0.2301606	0.27910959	2.3189224	21	1 19.4	21.2
339866 2005 TH_{96}	17.8	X	144.44743	123.64263	313.63539	1.98829	0.1908490	0.28208722	2.3025749	21	4 27.6	21.1
339867 2005 TG_{98}	17.9	X	91.09427	322.61058	134.19409	1.63716	0.1470664	0.27683005	2.3316350	21	3 13.3	20.3
339868 2005 TN_{98}	16.7	X	199.45217	130.61643	225.98144	22.70964	0.1871993	0.28027652	2.3124813	21	2 27.6	20.9
339869 2005 TQ_{100}	17.6	X	146.51317	18.56368	26.45806	0.22770	0.2384985	0.27813334	2.3243455	21	3 24.5	21.2
339870 2005 TR_{100}	17.5	X	156.55348	93.71094	5.03562	4.08452	0.0899436	0.28999521	2.2605225	21	5 31.4	20.6
339871 2005 TJ_{101}	17.6	X	143.53426	241.99308	174.08514	4.78322	0.1433805	0.28002398	2.3138715	21	3 26.1	20.8
339872 2005 TG_{102}	17.6	X	178.12061	115.41363	258.37249	2.89495	0.1093506	0.28004252	2.3137693	21	3 3.5	20.9
339873 2005 TZ_{103}	17.6	X	204.99146	322.07019	359.26213	8.93109	0.2591182	0.27935800	2.3175475	21	2 1.7	21.7
339874 2005 TS_{106}	17.7	X	84.96923	351.18691	100.15371	1.85137	0.1608603	0.27383168	2.3486245	21	2 26.3	19.9
339875 2005 TE_{107}	17.4	X	230.89768	250.34799	38.14757	5.25698	0.2232918	0.27802641	2.3249414	21	1 10.9	21.3
339876 2005 TU_{112}	17.9	X	141.73033	106.15522	331.91312	1.83591	0.1298436	0.28391503	2.2926818	21	4 19.4	20.9
339877 2005 TT_{114}	17.5	X	106.55823	128.04218	349.70938	3.81455	0.1744732	0.28372547	2.2937029	21	5 6.7	20.3
339878 2005 TL_{121}	17.2	X	144.82475	316.70206	3.02746	7.11354	0.1293996	0.26813187	2.3817916	21	—	—
339879 2005 TP_{122}	17.9	X	101.72621	267.81821	189.85992	3.84923	0.1202356	0.27985439	2.3148062	21	3 25.1	20.6
339880 2005 TA_{124}	18.6	X	195.32870	76.79257	254.70388	1.31295	0.2315330	0.27897036	2.3196939	21	2 2.5	22.5
339881 2005 TR_{127}	18.2	X	109.38217	132.26390	328.44224	0.63270	0.1487098	0.28076158	2.3098171	21	4 13.8	21.0
339882 2005 TE_{128}	17.9	X	215.06056	3.41271	280.07846	0.22483	0.2047933	0.27490146	2.3425275	21	—	—
339883 2005 TM_{129}	17.3	X	7.12622	161.91991	32.12682	2.96473	0.0965679	0.28025765	2.3125852	21	3 2.0	19.5
339884 2005 TJ_{130}	17.5	X	208.35160	270.69164	44.03913	2.09107	0.2038134	0.27777058	2.3263687	21	1 24.0	21.3
339885 2005 TA_{133}	14.8	X	358.86919	31.54389	62.53826	3.86453	0.1937372	0.12417249	3.9791085	21	—	—
339886 2005 TL_{134}	17.7	X	258.41834	281.88080	20.25973	3.23402	0.1672876	0.28486977	2.2875564	21	2 21.6	21.1
339887 2005 TR_{134}	17.1	X	167.34912	146.64100	246.06025	6.48671	0.0905052	0.28054815	2.3109885	21	3 12.9	20.4
339888 2005 TT_{135}	17.4	X	219.82001	277.35707	21.19542	9.02568	0.1021335	0.27796921	2.3252603	21	1 13.8	20.9
339889 2005 TR_{137}	17.4	X	255.46872	188.85913	66.96499	5.04588	0.2074637	0.27504905	2.3416893	21	—	—
339890 2005 TG_{146}	17.2	X	55.04141	157.41519	30.31951	24.42519	0.1832544	0.28815491	2.2701368	21	5 22.7	19.6
339891 2005 TB_{150}	17.7	X	160.31534	130.12907	174.26606	6.48241	0.1313815	0.26780894	2.3837059	21	—	—
339892 2005 TZ_{151}	17.6	X	110.27466	12.88647	51.54083	3.06392	0.1893462	0.27476827	2.3432844	21	3 4.8	20.4
339893 2005 TW_{157}	18.0	X	246.43066	286.76306	359.64049	3.22628	0.1944076	0.28095754	2.3087430	21	1 21.1	21.7
339894 2005 TH_{165}	17.5	X	122.57214	188.23801	219.62414	3.99264	0.1475265	0.27451940	2.3447004	21	2 16.8	20.4
339895 2005 TP_{165}	18.2	X	188.19927	20.06399	355.15246	2.02204	0.1440752	0.28171501	2.3046026	21	3 18.9	21.5
339896 2005 TL_{169}	17.6	X	202.83674	38.06728	242.79276	1.90538	0.1922477	0.27102541	2.3648089	21	—	—
339897 2005 TZ_{172}	17.2	X	147.79810	85.42834	311.78905	2.32531	0.2195605	0.27689073	2.3312943	21	3 13.2	20.7
339898 2005 TY_{175}	18.1	X	182.35327	136.78597	163.74306	5.29487	0.2320127	0.27410618	2.3470562	21	—	—
339899 2005 TX_{182}	17.2	X	200.87444	346.68148	326.11132	5.66144	0.1418711	0.27750185	2.3278704	21	1 12.9	20.7
339900 2005 TW_{183}	16.9	X	114.46156	253.95128	149.43501	6.50350	0.1009627	0.27509014	2.3414562	21	1 24.2	19.7
339901 2005 TB_{192}	17.7	X	74.33832	312.47401	211.02485	4.93297	0.1091061	0.28445625	2.2897728	21	5 16.8	20.0
339902 2005 UT_{4}	17.9	X	276.07317	265.69197	18.30432	0.90947	0.2080583	0.28445278	2.2897914	21	2 11.5	21.4
339903 2005 UD_{5}	17.8	X	130.98047	112.01826	326.14486	4.09864	0.1855222	0.28013455	2.3132626	21	4 13.0	21.1
339904 2005 UO_{11}	17.3	X	201.47767	287.80230	74.44835	5.92587	0.1643993	0.28145497	2.3060219	21	3 19.0	20.9
339905 2005 UC_{13}	17.6	X	219.46914	39.89151	255.11304	1.43518	0.2250223	0.27753124	2.3277060	21	1 8.9	21.4
339906 2005 UQ_{19}	17.3	X	152.96561	140.52777	247.09035	5.47678	0.1163653	0.27498922	2.3420290	21	2 21.7	20.6
339907 2005 UJ_{20}	16.8	X	74.79355	36.30332	44.28637	7.06261	0.0897733	0.27037604	2.3685937	21	1 16.4	19.4
339908 2005 UL_{20}	17.1	X	203.36687	329.08904	45.28806	5.83663	0.1230145	0.28343727	2.2952575	21	4 3.4	20.5
339909 2005 UJ_{26}	17.3	X	27.21640	93.18236	37.32977	5.62248	0.1407262	0.26927914	2.3750217	21	1 1.5	19.5
339910 2005 UV_{29}	17.6	X	174.22366	351.37724	26.73956	2.71448	0.2252394	0.27918001	2.3185324	21	3 14.9	21.4
339911 2005 UU_{31}	17.6	X	325.78191	25.26283	212.91108	4.51850	0.0372787	0.28024350	2.3126630	21	3 5.1	20.5
339912 2005 UC_{34}	17.1	X	103.74628	213.29751	223.15922	7.93213	0.1100587	0.27385641	2.3484831	21	2 22.0	20.0
339913 2005 UF_{34}	17.4	X	357.76112	122.20398	51.60614	4.80731	0.0842331	0.27164413	2.3612167	21	1 19.8	20.0
339914 2005 UF_{36}	17.7	X	185.88153	236.09641	52.72312	2.51605	0.1719812	0.26633826	2.3924728	21	—	—
339915 2005 UX_{36}	17.6	X	256.46191	33.92479	226.09885	3.02465	0.1211309	0.27236777	2.3570325	21	1 1.0	21.1
339916 2005 UB_{38}	17.0	X	179.28165	311.91501	64.26358	5.83005	0.1306421	0.27801902	2.3249826	21	3 14.2	20.5
339917 2005 UB_{42}	17.2	X	156.13001	359.72554	46.36353	7.13917	0.0972795	0.28160762	2.3051885	21	3 24.8	20.4
339918 2005 UQ_{42}	17.4	X	165.34321	310.06242	43.00226	3.11277	0.2269508	0.27527250	2.3404220	21	2 5.3	21.0
339919 2005 UN_{44}	17.7	X	262.78179	87.44058	209.03395	10.73408	0.1883211	0.28245406	2.3005809	21	2 12.5	21.5
339920 2005 UR_{45}	16.7	X	85.55419	72.36469	38.60798	10.27762	0.1517429	0.27708247	2.3302187	21	3 29.2	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
339921 2005 UZ_{45}	17.6	X	143.74480	67.95045	3.06960	2.94760	0.1679941	0.28119263	2.3074560	21	4 16.7	20.7
339922 2005 UF_{46}	18.0	X	105.85507	21.02332	59.49732	3.24401	0.1919161	0.27421350	2.3464438	21	3 21.5	20.7
339923 2005 US_{47}	17.5	X	186.48285	285.59518	69.30078	3.72508	0.1644932	0.27823208	2.3237956	21	2 22.8	21.1
339924 2005 UA_{49}	17.3	X	131.99541	29.29440	9.46870	7.46477	0.1159836	0.27494937	2.3422553	21	2 16.6	20.3
339925 2005 UK_{49}	16.8	X	186.27458	62.17777	268.67063	5.72206	0.2015432	0.27597266	2.3364617	21	1 23.3	20.6
339926 2005 US_{49}	16.6	X	121.28222	28.48633	53.26763	7.44086	0.0754217	0.27747026	2.3280470	21	3 27.4	19.5
339927 2005 UF_{50}	17.5	X	124.86811	61.72169	308.54436	1.49883	0.1908834	0.26979788	2.3719764	21	1 10.0	20.3
339928 2005 UT_{51}	17.3	X	130.40361	98.27797	329.42340	2.64497	0.1569596	0.27808320	2.3246249	21	3 26.9	20.5
339929 2005 UC_{52}	16.6	X	175.77194	97.56947	265.83729	5.88666	0.1400185	0.27744272	2.3282011	21	2 17.1	20.1
339930 2005 UZ_{55}	17.7	X	154.47880	335.41033	44.49409	2.60174	0.2235328	0.27596110	2.3365270	21	2 28.3	21.2
339931 2005 UA_{62}	17.6	X	112.23440	57.49916	54.37711	6.14842	0.1120052	0.28025576	2.3125956	21	4 28.9	20.3
339932 2005 UY_{63}	17.7	X	155.01557	265.26102	77.71812	2.50606	0.2080435	0.27033430	2.3688376	21	1 11.9	21.1
339933 2005 UK_{66}	17.2	X	179.98375	319.47508	56.76460	7.43989	0.1251596	0.27872074	2.3210786	21	3 15.4	20.7
339934 2005 UV_{67}	17.4	X	177.72619	301.68889	104.59802	2.80611	0.2166480	0.28356068	2.2945915	21	4 22.1	21.1
339935 2005 UU_{71}	17.3	X	161.91136	79.40930	327.40879	6.32166	0.1262840	0.28153969	2.3055593	21	3 29.2	20.6
339936 2005 UY_{85}	18.0	X	89.27869	269.45267	171.96905	1.79355	0.1401354	0.27297342	2.3535448	21	2 14.8	20.5
339937 2005 US_{88}	18.0	X	98.03173	265.82638	186.38049	1.70346	0.1870484	0.27568974	2.3380600	21	3 23.8	20.6
339938 2005 UJ_{93}	17.0	X	77.70294	96.43585	17.53764	6.88706	0.0530495	0.27629824	2.3346259	21	3 4.9	19.7
339939 2005 UY_{94}	16.8	X	202.50070	58.38883	251.16940	6.16414	0.2722397	0.27618649	2.3352556	21	1 13.9	21.0
339940 2005 UM_{99}	17.1	X	35.90145	33.94084	86.53087	7.11204	0.0732478	0.26934910	2.3746104	21	1 6.6	19.5
339941 2005 UH_{105}	17.4	X	108.74173	340.64575	73.01285	6.78534	0.1044485	0.27113504	2.3641713	21	2 3.4	20.2
339942 2005 UD_{106}	17.1	X	201.74727	193.02722	136.23964	2.64160	0.2516560	0.27761563	2.3272343	21	2 5.9	20.9
339943 2005 UX_{110}	17.3	X	37.65888	101.15759	39.65119	5.24934	0.1696729	0.26967471	2.3726986	21	2 8.9	19.2
339944 2005 UV_{116}	16.8	X	99.79899	223.33901	236.59966	9.15094	0.0777690	0.27755405	2.3275785	21	3 14.7	19.8
339945 2005 UE_{118}	17.2	X	146.55096	237.27104	226.21135	5.91878	0.0489757	0.28758858	2.2731161	21	5 22.9	20.0
339946 2005 UZ_{122}	17.9	X	186.00799	274.58001	25.01379	0.97937	0.2168342	0.27043273	2.3682627	21	—	—
339947 2005 UZ_{124}	18.0	X	110.59346	65.53890	11.94998	1.37524	0.1524141	0.27509519	2.3414275	21	3 15.9	20.9
339948 2005 UO_{125}	17.0	X	271.70846	7.00088	240.57379	4.25566	0.1533748	0.27198269	2.3592567	21	—	—
339949 2005 UB_{131}	17.5	X	223.31444	94.68850	256.66326	2.10406	0.1811898	0.28306384	2.2972757	21	3 20.5	21.1
339950 2005 UH_{140}	15.3	X	110.86566	211.70988	59.31976	4.76537	0.0666939	0.12416900	3.9791831	21	11 6.1	21.0
339951 2005 UF_{141}	17.2	X	208.26823	231.37803	112.12828	4.20764	0.1844819	0.28000428	2.3139800	21	2 28.3	20.8
339952 2005 UP_{141}	17.0	X	77.33273	343.48990	64.73290	5.75258	0.1868803	0.26553341	2.3973049	21	—	—
339953 2005 UA_{145}	17.4	X	203.59211	350.61064	16.17664	4.42385	0.1745985	0.28283141	2.2985341	21	3 24.0	21.0
339954 2005 UX_{151}	17.0	X	315.76143	225.23236	42.52809	5.96082	0.1237835	0.28362298	2.2942554	21	3 22.4	19.6
339955 2005 UF_{157}	17.5	X	129.45677	194.60617	185.58284	5.53543	0.2165678	0.27112595	2.3642242	21	1 30.7	20.7
339956 2005 UX_{160}	17.5	X	165.50165	291.05839	69.83276	4.54968	0.2638504	0.27633134	2.3344395	21	2 18.5	21.3
339957 2005 UH_{162}	16.8	X	133.74850	8.52685	109.57949	7.16753	0.0612992	0.28720382	2.2751458	21	5 29.4	19.7
339958 2005 UY_{162}	17.1	X	238.89500	5.09579	237.61897	4.58912	0.1441489	0.26751693	2.3854402	21	—	—
339959 2005 UP_{170}	17.6	X	53.17241	127.72051	241.97651	3.39865	0.0700053	0.25526372	2.4611797	21	—	—
339960 2005 UB_{173}	17.4	X	179.05060	149.76953	225.68507	4.24876	0.1475086	0.27900543	2.3194995	21	3 8.9	20.8
339961 2005 UO_{177}	18.0	X	193.32233	123.90316	272.53966	1.63490	0.2013686	0.28415901	2.2913693	21	4 20.6	21.7
339962 2005 UN_{178}	17.3	X	34.32468	99.38753	33.18993	7.65879	0.0579246	0.27092756	2.3653782	21	1 23.6	20.1
339963 2005 UP_{178}	17.7	X	127.52017	27.86454	73.24759	4.36826	0.0968920	0.28131626	2.3067799	21	5 1.9	20.6
339964 2005 UA_{184}	17.7	X	97.56559	46.69414	48.76707	4.35951	0.1929401	0.27476465	2.3433049	21	3 30.8	20.3
339965 2005 UO_{187}	17.9	X	281.33065	88.04138	206.77045	5.41319	0.2462941	0.29003046	2.2603393	21	2 23.6	21.5
339966 2005 UF_{188}	17.6	X	312.34750	206.72604	1.77391	1.33892	0.1296976	0.27270633	2.3550813	21	—	—
339967 2005 UW_{194}	16.8	X	17.53145	159.50610	55.52249	8.00511	0.0484843	0.28347545	2.2950514	21	4 23.2	19.3
339968 2005 UZ_{199}	16.9	X	71.65571	77.11600	51.09274	7.50217	0.0370255	0.27769288	2.3268027	21	3 15.4	19.7
339969 2005 US_{208}	18.5	X	137.50322	346.84738	119.04707	1.36724	0.2328926	0.28374244	2.2936115	21	6 2.4	22.1
339970 2005 UM_{210}	17.6	X	184.85822	29.28963	307.05522	1.41152	0.0176458	0.27404472	2.3474072	21	1 16.3	20.3
339971 2005 UD_{214}	17.1	X	141.31113	254.82918	146.26712	8.86672	0.1681708	0.27635943	2.3342813	21	3 8.2	20.2
339972 2005 UU_{214}	17.6	X	156.74215	250.30676	154.66357	5.24450	0.1984688	0.28054418	2.3110102	21	3 31.8	21.1
339973 2005 UC_{217}	16.9	X	219.77293	317.41612	45.29002	7.55536	0.1693150	0.28744204	2.2738886	21	4 4.2	20.5
339974 2005 UK_{218}	17.5	X	216.77921	33.01165	271.94134	4.02202	0.0231640	0.27344708	2.3508262	21	1 15.4	20.6
339975 2005 UM_{218}	17.6	X	203.98215	312.66490	346.52617	4.57528	0.1991538	0.27364736	2.3496790	21	1 1.9	21.4
339976 2005 UD_{224}	17.6	X	250.27546	351.39204	318.70555	2.19034	0.2130648	0.28391631	2.2926750	21	2 20.1	21.3
339977 2005 UR_{226}	17.2	X	308.39791	345.77732	211.56567	3.93943	0.0573473	0.26849379	2.3796507	21	—	—
339978 2005 UC_{229}	17.3	X	154.05615	215.54765	201.39950	4.85685	0.1631844	0.28002182	2.3138834	21	4 9.2	20.6
339979 2005 UY_{229}	17.2	X	190.93446	250.68357	55.67444	7.52359	0.1115731	0.26972402	2.3724094	21	—	—
339980 2005 UY_{230}	17.3	X	200.96312	93.79200	222.74440	6.32321	0.1368099	0.27395833	2.3479006	21	1 15.7	21.0
339981 2005 UH_{243}	17.6	X	108.44876	119.93644	346.26254	3.36088	0.0920122	0.27797952	2.3252029	21	4 10.6	20.4
339982 2005 US_{244}	17.2	X	127.66601	96.34463	292.39032	5.55071	0.0954073	0.26965238	2.3728296	21	1 23.2	20.1
339983 2005 UY_{244}	17.4	X	146.10876	138.04075	278.29408	6.27661	0.0867943	0.27738912	2.3285010	21	3 18.9	20.6
339984 2005 UR_{248}	17.0	X	120.20516	352.34488	50.68635	9.57758	0.0699797	0.27200930	2.3591029	21	1 31.8	20.0
339985 2005 UQ_{249}	17.8	X	176.45796	217.94217	81.37164	2.45088	0.1873597	0.26710235	2.3879079	21	—	—
339986 2005 UE_{251}	17.4	X	177.80721	353.88634	18.06384	3.26823	0.1928368	0.27917173	2.3185783	21	3 8.7	20.9
339987 2005 UT_{256}	17.7	X	150.90432	228.19908	179.03594	5.57070	0.2357191	0.28279289	2.2987428	21	3 31.2	21.2
339988 2005 UD_{259}	17.8	X	219.48428	113.18022	180.79361	2.59114	0.1805630	0.27444954	2.3450983	21	1 7.3	21.5
339989 2005 UF_{259}	17.2	X	326.10853	35.25349	204.30386	6.14760	0.0564654	0.28041472	2.3117215	21	3 4.3	20.0
339990 2005 UR_{261}	17.8	X	290.85956	105.60504	185.35537	5.13264	0.1343297	0.28824718	2.2696523	21	3 15.5	20.8
339991 2005 UG_{262}	17.5	X	205.93201	201.53461	85.62302	2.65948	0.1889885	0.27208758	2.3586504	21	—	—
339992 2005 UN_{262}	17.9	X	99.91429	260.22773	167.23578	2.15282	0.1737377	0.27285306	2.3542369	21	2 17.6	20.3
339993 2005 UQ_{275}	17.0	X	205.48159	30.90535	291.81954	5.25736	0.1605225	0.27647826	2.3336124	21	1 29.0	20.5
339994 2005 UT_{278}	17.8	X	186.21430	103.60568	208.02543	4.04542	0.2691110	0.27343320	2.3509057	21	1 5.1	21.9
339995 2005 UX_{278}	17.6	X	36.73539	300.60152	169.46583	1.58485	0.0944965	0.26801255	2.3824985	21	—	—
339996 2005 UT_{282}	17.9	X	105.61414	35.51913	61.03288	4.46015	0.1671968	0.27786046	2.3258670	21	4 8.2	20.6
339997 2005 UD_{286}	17.6	X	52.51205	329.87923	180.34986	6.53598	0.0413033	0.27955834	2.3164401	21	3 12.9	20.2
339998 2005 UT_{292}	18.0	X	83.01983	133.50198	322.01933	1.96611	0.1532687	0.27273518	2.3549152	21	2 26.8	20.2
339999 2005 UW_{292}	17.5	X	116.38535	69.47384	15.22022	4.54479	0.1534006	0.27708563	2.3302010	21	4 2.3	20.4
340000 2005 UV_{297}	18.0	X	75.94575	59.70480	60.46147	2.06992	0.1671999	0.27401024	2.3476041	21	3 26.4	20.3