Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168001 2005 GW_{133}	15.7	X	51.13766	213.16560	80.22024	3.05500	0.0512112	0.20441235	2.8540701	21	10 3.1	19.4
168002 2005 GS_{136}	15.1	X	154.28202	219.82968	187.06977	13.00068	0.1384902	0.17968073	3.1102960	21	4 4.5	20.0
168003 2005 GZ_{137}	15.6	X	232.39813	207.74745	221.27591	12.85711	0.1330640	0.19797313	2.9156264	21	7 11.8	20.3
168004 2005 GP_{159}	16.0	X	11.16145	158.32975	185.14820	1.44511	0.0804780	0.20553265	2.8436895	21	10 14.4	19.3
168005 2005 GT_{161}	15.7	X	339.63888	320.54829	165.32109	12.38349	0.1100672	0.22852761	2.6495794	21	—	—
168006 2005 GV_{170}	14.8	X	278.71138	157.82421	71.92613	11.51127	0.0267036	0.17115582	3.2127353	21	1 18.1	19.5
168007 2005 GE_{181}	15.6	X	106.17401	105.45112	114.36526	3.15547	0.0058066	0.20279957	2.8691816	21	9 1.9	19.6
168008 2005 GZ_{181}	16.1	X	77.63570	346.53696	61.91164	3.83336	0.0950765	0.23106801	2.6301236	21	—	—
168009 2005 GK_{203}	16.8	X	164.18695	177.02946	192.96284	3.66689	0.2268278	0.24434415	2.5339697	21	2 26.5	20.9
168010 2005 HP	16.5	X	326.07907	106.91507	4.79928	5.35877	0.1475997	0.22390357	2.6859342	21	—	—
168011 2005 HF_{1}	16.0	X	263.59445	346.04130	54.10215	2.78551	0.0759277	0.19778036	2.9175206	21	7 21.8	20.1
168012 2005 HP_{1}	15.6	X	59.78135	299.99285	155.88975	0.79767	0.1045119	0.17459901	3.1703572	21	2 5.9	19.4
168013 2005 HK_{4}	15.1	X	3.54407	348.96965	252.68471	10.86399	0.0740579	0.18630544	3.0361206	21	5 15.1	19.1
168014 2005 HS_{4}	15.4	X	39.58483	124.49289	111.65018	3.41423	0.1276922	0.19134245	2.9826011	21	7 9.6	19.0
168015 2005 HK_{5}	14.9	X	305.55011	166.43487	85.45208	6.35189	0.1050466	0.17778315	3.1323888	21	3 7.4	19.3
168016 2005 HZ_{7}	15.3	X	313.41870	137.33566	187.10277	9.77077	0.0306445	0.19203417	2.9754344	21	6 24.4	19.5
168017 2005 JK_{2}	15.5	X	161.13645	182.95773	197.05952	4.22985	0.1842115	0.24071855	2.5593499	21	3 5.1	19.6
168018 2005 JG_{8}	16.2	X	7.41469	159.86202	201.27000	5.70308	0.0745620	0.20900633	2.8120935	21	11 1.5	19.8
168019 2005 JX_{8}	15.8	X	191.23027	357.98463	33.37752	1.33516	0.1204431	0.18526221	3.0475078	21	4 19.2	20.5
168020 2005 JJ_{21}	15.8	X	359.50768	322.73931	283.16677	0.78265	0.1030125	0.18592494	3.0402616	21	5 14.1	19.5
168021 2005 JX_{23}	16.6	X	100.05222	23.86433	138.06157	1.41357	0.1059346	0.19087634	2.9874546	21	6 22.9	20.9
168022 2005 JK_{44}	14.9	X	212.98835	253.18630	49.67812	19.35090	0.1231018	0.16929208	3.2362715	21	2 2.7	20.4
168023 2005 JX_{46}	15.4	X	255.21150	255.78184	68.92966	2.88641	0.0928086	0.18076869	3.0978038	21	4 5.9	20.1
168024 2005 JC_{77}	15.2	X	121.43633	199.68424	236.40958	21.89450	0.0371790	0.24198887	2.5503852	21	3 6.4	19.2
168025 2005 JS_{84}	15.6	X	130.58587	354.90504	18.13164	1.74019	0.0576380	0.17159590	3.2072399	21	1 22.4	20.2
168026 2005 JA_{89}	15.9	X	66.32028	307.75442	167.12536	3.63696	0.1415391	0.23961117	2.5672294	21	3 3.3	18.6
168027 2005 JQ_{92}	14.8	X	283.32089	1.60287	261.00454	15.07658	0.0340495	0.17526222	3.1623541	21	2 21.2	19.7
168028 2005 JK_{94}	15.1	X	247.20819	323.19816	41.20980	9.85224	0.0976185	0.18590861	3.0404396	21	5 13.1	19.7
168029 2005 JF_{98}	15.2	X	227.96449	279.07518	67.77934	11.44223	0.0941996	0.17917924	3.1160966	21	4 8.1	20.1
168030 2005 JQ_{100}	15.2	X	355.71791	161.14577	76.84926	4.51667	0.0275367	0.18467628	3.0539504	21	5 2.5	19.3
168031 2005 JH_{103}	15.0	X	114.38722	305.45616	125.29881	18.48539	0.1537534	0.17335811	3.1854682	21	3 31.9	20.0
168032 2005 JB_{105}	16.3	X	47.91172	279.94119	190.98978	8.44915	0.1191588	0.23884167	2.5727405	21	1 20.2	19.2
168033 2005 JJ_{143}	12.5	X	5.21884	252.80259	121.67410	5.66894	0.1387128	0.08266303	5.2190947	21	10 29.7	18.8
168034 2005 JN_{151}	15.3	X	56.28722	320.61664	40.70114	14.80866	0.1092276	0.21915692	2.7245781	21	—	—
168035 2005 JV_{151}	15.1	X	23.35523	14.66210	183.40950	11.12287	0.0322887	0.18739543	3.0243361	21	4 19.1	19.1
168036 2005 JS_{156}	14.8	X	265.03666	88.25861	180.22803	20.84148	0.0936404	0.17325006	3.1867925	21	2 5.4	19.8
168037 2005 JQ_{157}	15.2	X	205.62405	91.33583	235.86759	6.54527	0.0294020	0.17216504	3.2001676	21	2 15.1	19.9
168038 2005 JC_{178}	15.9	X	43.66273	233.69443	40.44606	2.58161	0.0625225	0.19831125	2.9123114	21	8 29.2	19.7
168039 2005 LR_{1}	15.1	X	119.30064	161.15885	170.30965	8.92570	0.1375233	0.15399697	3.4471587	21	—	—
168040 2005 LT_{51}	15.4	X	139.41687	269.20765	199.29145	8.53094	0.1073938	0.18493019	3.0511543	21	6 1.0	20.1
168041 2005 MH_{18}	15.3	X	123.01299	285.74021	149.96012	10.04037	0.0794731	0.17547528	3.1597939	21	4 3.0	19.9
168042 2005 MN_{23}	15.2	X	32.02909	345.83177	202.01740	17.92267	0.1449961	0.18068139	3.0988015	21	4 24.5	18.8
168043 2005 NW_{70}	14.9	X	342.20014	296.77293	238.56818	15.16214	0.0931825	0.17005566	3.2265766	21	1 17.1	19.4
168044 2005 SG	19.0	X	187.77507	205.50559	23.52160	34.83418	0.2832408	1.01402444	0.9812291	21	—	—
168045 2005 YX_{214}	16.2	X	53.64658	270.50709	4.00853	20.12119	0.0314346	0.35360844	1.9805583	21	9 24.4	17.8
168046 2006 AQ_{1}	17.2	X	308.24866	192.91731	328.78016	17.60848	0.0403973	0.37835009	1.8932450	21	—	—
168047 2006 BV_{5}	17.4	X	335.35731	119.17750	350.45922	18.71814	0.0738262	0.37561818	1.9024138	21	—	—
168048 2006 BG_{34}	17.0	X	105.43222	326.34206	331.55081	1.62403	0.2328537	0.29693347	2.2251704	21	—	—
168049 2006 BH_{41}	16.9	X	136.75043	312.53525	342.84732	17.89949	0.0803426	0.37046599	1.9200114	21	—	—
168050 2006 BD_{56}	16.8	X	14.00870	337.69710	328.76681	3.64293	0.1535792	0.28461557	2.2889182	21	9 14.9	18.6
168051 2006 BM_{81}	17.7	X	164.45848	267.62455	3.68717	5.79306	0.0788420	0.30434350	2.1889039	21	—	—
168052 2006 BQ_{95}	17.0	X	327.78091	48.44988	198.22402	0.90430	0.1426242	0.26373771	2.4081742	21	3 7.8	19.5
168053 2006 BT_{95}	17.4	X	148.98746	356.85353	241.18599	0.52340	0.1743406	0.29411460	2.2393656	21	11 29.1	20.9
168054 2006 BQ_{102}	16.8	X	314.52669	84.90153	184.68483	1.97370	0.1930376	0.26687405	2.3892695	21	3 11.5	19.7
168055 2006 BD_{124}	17.0	X	204.32922	298.33426	340.47148	3.40916	0.1607041	0.31196158	2.1531220	21	—	—
168056 2006 BD_{157}	16.8	X	81.68463	217.89786	19.94695	3.53861	0.0753580	0.28343971	2.2952443	21	9 10.7	19.6
168057 2006 BA_{167}	16.7	X	281.95375	304.87896	356.25797	1.22549	0.1918101	0.26734467	2.3864648	21	3 14.7	20.2
168058 2006 BL_{199}	17.0	X	97.81731	11.79124	182.35921	2.04455	0.1406969	0.27883338	2.3204535	21	8 8.1	20.0
168059 2006 BW_{250}	17.6	X	120.14437	93.97313	145.16094	4.67856	0.1183084	0.29115195	2.2545312	21	11 3.5	20.8
168060 2006 BM_{254}	17.6	X	73.68097	100.83175	154.71602	2.86068	0.0902573	0.28692558	2.2766165	21	9 27.2	20.3
168061 2006 BJ_{256}	16.1	X	137.87638	278.34802	346.17206	6.53916	0.1774333	0.29769091	2.2213944	21	12 22.8	19.6
168062 2006 BB_{266}	16.0	X	205.07567	78.47067	180.89262	4.87882	0.2983978	0.23513171	2.5997320	21	—	—
168063 2006 BH_{266}	15.3	X	254.66074	32.98373	175.89616	5.37582	0.1284458	0.17343754	3.1844955	21	—	—
168064 2006 BL_{266}	16.3	X	196.87016	155.04881	93.83774	3.53367	0.1820660	0.23281957	2.6169157	21	—	—
168065 2006 BM_{266}	16.8	X	37.49284	125.88610	109.06671	3.18954	0.1108533	0.26732816	2.3865630	21	7 2.1	19.2
168066 2006 BO_{269}	14.7	X	49.73692	189.77833	71.85355	9.61894	0.2849117	0.21309134	2.7760387	21	9 30.4	18.4
168067 2006 CO_{7}	16.7	X	189.91949	83.52493	198.80864	2.65232	0.1666168	0.24548032	2.5261449	21	—	—
168068 2006 CC_{23}	16.5	X	117.24601	230.11295	44.73623	6.16249	0.1573690	0.28774391	2.2722980	21	12 14.8	19.9
168069 2006 CT_{38}	16.5	X	357.49450	339.34705	271.51746	1.64664	0.1691804	0.26925009	2.3751925	21	5 3.8	18.5
168070 2006 CK_{41}	17.1	X	98.01545	107.46068	196.98795	4.56412	0.1669027	0.29727665	2.2234576	21	—	—
168071 2006 CW_{43}	15.6	X	167.69364	180.14419	101.43309	5.59619	0.2175852	0.23264654	2.6182130	21	—	—
168072 2006 DU_{4}	16.9	X	62.49842	243.05692	10.27878	2.62112	0.1362476	0.28126505	2.3070599	21	9 15.0	19.4
168073 2006 DW_{6}	16.9	X	97.11995	33.00360	182.20526	1.89365	0.1097590	0.28071093	2.3100950	21	9 1.9	20.0
168074 2006 DL_{19}	16.5	X	296.00959	172.56608	118.83392	4.82646	0.2446169	0.26593448	2.3948939	21	3 12.9	19.9
168075 2006 DZ_{21}	16.8	X	42.48807	188.54343	128.62216	5.37002	0.1811193	0.29017381	2.2595948	21	11 25.4	19.5
168076 2006 DP_{22}	17.7	X	239.00302	192.77670	102.68456	1.81258	0.1691264	0.32003456	2.1167592	21	1 19.9	20.8
168077 2006 DG_{23}	16.6	X	294.13764	262.46391	27.11346	2.71444	0.1875619	0.26400586	2.4065432	21	3 14.9	19.9
168078 2006 DX_{27}	16.0	X	96.28833	294.56862	354.53448	14.43976	0.2158140	0.22689323	2.6622879	21	12 6.1	20.6
168079 2006 DE_{46}	17.2	X	17.12057	96.04654	134.83390	1.80315	0.1400756	0.26852415	2.3794714	21	5 17.9	19.1
168080 2006 DR_{58}	17.0	X	91.61460	43.48263	183.47299	2.80944	0.1631920	0.28029608	2.3123738	21	9 18.3	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168081 2006 DB_{59}	17.2	X	249.47072	250.82486	324.04577	1.66906	0.0961594	0.30786335	2.1721879	21	—	—
168082 2006 DJ_{60}	17.5	X	23.73908	43.06147	217.90862	0.64460	0.1671747	0.27230787	2.3573781	21	7 23.9	19.5
168083 2006 DE_{62}	15.5	X	115.10732	60.46597	183.61056	12.66148	0.3778675	0.22147594	2.7055258	21	11 10.2	20.7
168084 2006 DC_{68}	17.0	X	47.36035	235.60958	195.09790	21.96467	0.0469424	0.37793098	1.8946444	21	—	—
168085 2006 DC_{70}	16.2	X	160.49622	79.46060	148.98367	3.01671	0.0693037	0.22963463	2.6410571	21	11 22.7	20.0
168086 2006 DF_{70}	17.2	X	86.04071	244.25821	2.92307	7.79759	0.0840711	0.28292197	2.2980436	21	9 29.3	20.1
168087 2006 DW_{75}	17.1	X	127.26877	251.73265	352.56364	7.04828	0.0616092	0.29317320	2.2441569	21	11 11.9	20.3
168088 2006 DY_{79}	16.7	X	266.70980	122.11529	180.53776	2.20635	0.1592544	0.26211104	2.4181274	21	3 4.4	20.3
168089 2006 DM_{84}	17.2	X	132.88188	27.68446	230.04928	1.38400	0.0669486	0.29557867	2.2319647	21	12 9.5	20.2
168090 2006 DO_{96}	16.9	X	145.60989	110.44923	183.72708	7.43045	0.1912267	0.23487641	2.6016155	21	—	—
168091 2006 DY_{97}	15.8	X	190.98704	90.30996	155.98626	13.83476	0.0935519	0.23105920	2.6301905	21	—	—
168092 2006 DM_{102}	17.0	X	148.28822	270.22823	354.60436	7.09347	0.1184400	0.29876409	2.2160716	21	—	—
168093 2006 DT_{103}	16.9	X	115.67748	292.80462	357.50676	3.70596	0.1773683	0.23197232	2.6232838	21	12 25.0	21.2
168094 2006 DB_{118}	16.6	X	328.86502	143.20565	166.76095	5.30566	0.1859382	0.27138986	2.3626912	21	6 6.3	18.7
168095 2006 DD_{123}	16.8	X	353.41563	73.10889	169.51081	4.69892	0.1107192	0.26730080	2.3867259	21	4 20.6	19.1
168096 2006 DU_{141}	16.6	X	8.75181	174.95429	111.69418	3.96035	0.2349996	0.27521842	2.3407285	21	8 10.5	17.9
168097 2006 DL_{192}	16.4	X	123.95963	180.55269	82.78690	3.39762	0.1200783	0.29149648	2.2527544	21	12 7.0	19.6
168098 2006 DO_{199}	16.9	X	165.72845	230.38103	18.11726	7.43960	0.0898452	0.29919697	2.2139336	21	—	—
168099 2006 DQ_{208}	15.6	X	117.35506	294.91946	340.51426	6.75782	0.1675516	0.22674217	2.6634702	21	12 6.8	20.0
168100 2006 DD_{210}	17.1	X	152.34039	125.31761	145.30399	2.38816	0.1971550	0.23276676	2.6173115	21	—	—
168101 2006 DJ_{210}	17.2	X	38.14550	233.75196	15.50897	2.28994	0.1608554	0.27378378	2.3488984	21	8 3.9	19.5
168102 2006 DB_{212}	16.8	X	321.96830	78.67797	183.16938	4.55433	0.1614252	0.26261759	2.4150169	21	3 17.3	19.3
168103 2006 DS_{212}	16.5	X	132.67517	250.58509	43.48328	21.77379	0.0537550	0.36539822	1.9377233	21	—	—
168104 2006 EQ_{8}	16.1	X	255.62306	293.35797	22.67558	2.46747	0.2102140	0.26124452	2.4234716	21	3 7.7	19.8
168105 2006 EJ_{19}	16.2	X	18.54617	135.89856	168.02808	3.40037	0.1857279	0.27865345	2.3214523	21	9 25.9	18.0
168106 2006 EK_{41}	17.2	X	166.65980	10.29738	268.10700	1.31212	0.1055650	0.30281446	2.1962662	21	—	—
168107 2006 EQ_{41}	16.4	X	132.53442	272.95571	318.80943	4.53448	0.2185801	0.22240148	2.6980144	21	10 29.4	21.1
168108 2006 EM_{51}	16.6	X	172.71718	144.70387	156.18364	13.03777	0.1644227	0.24441623	2.5334715	21	—	—
168109 2006 EN_{53}	16.4	X	290.37988	228.34049	28.85932	7.71998	0.0735873	0.25571515	2.4582822	21	2 15.5	19.8
168110 2006 EE_{61}	16.3	X	339.89381	60.14464	228.29759	4.89864	0.1162550	0.27137353	2.3627860	21	6 3.2	18.6
168111 2006 EZ_{62}	17.1	X	110.77320	323.49960	247.19995	2.40222	0.1063083	0.28134363	2.3066303	21	9 11.0	20.3
168112 2006 FG	15.2	X	85.75393	238.31810	33.45770	16.08706	0.3347440	0.21868670	2.7284823	21	11 15.2	19.9
168113 2006 FB_{3}	15.1	X	203.77612	93.66660	190.90695	15.71918	0.2255077	0.17620961	3.1510091	21	—	—
168114 2006 FU_{8}	16.6	X	323.78762	140.39574	186.96248	2.39484	0.1839835	0.27098918	2.3650196	21	6 23.5	18.8
168115 2006 FQ_{9}	15.8	X	130.10912	42.22350	171.09907	9.12040	0.1284014	0.21996938	2.7178651	21	10 4.2	19.9
168116 2006 FL_{11}	16.5	X	31.18719	236.66560	33.42721	7.29253	0.1109388	0.27634554	2.3343595	21	8 19.1	19.0
168117 2006 FW_{11}	16.9	X	151.94518	285.30004	13.94562	12.71078	0.2055874	0.23714445	2.5850011	21	—	—
168118 2006 FS_{23}	16.7	X	260.56638	274.25405	71.27514	2.30440	0.2024727	0.26369142	2.4084560	21	4 18.9	20.2
168119 2006 FZ_{27}	16.7	X	154.08114	68.00806	190.15739	4.29366	0.1042525	0.29413075	2.2392836	21	12 31.7	20.0
168120 2006 FM_{30}	17.4	X	211.10880	54.03371	203.88453	4.24402	0.2287378	0.23879688	2.5730622	21	—	—
168121 2006 FN_{32}	16.2	X	0.07806	130.19762	195.72543	8.76925	0.2317020	0.21048987	2.7988648	21	9 10.7	18.8
168122 2006 FV_{34}	16.6	X	178.02634	3.48793	212.42484	6.36790	0.0959054	0.29153022	2.2525805	21	12 4.1	19.6
168123 2006 FP_{37}	16.4	X	147.10673	248.44206	333.82660	5.08340	0.1590655	0.28678132	2.2773798	21	11 4.9	19.9
168124 2006 FL_{44}	17.3	X	132.15598	241.75666	18.84416	0.79766	0.1253952	0.29291715	2.2454644	21	12 11.9	20.7
168125 2006 FS_{44}	17.0	X	29.18102	268.03033	339.47000	1.77263	0.1792303	0.27227164	2.3575873	21	7 15.7	18.7
168126 Chengbruce	15.9	X	236.22643	56.08529	158.49995	9.19255	0.0826920	0.23798260	2.5789282	21	—	—
168127 2006 GC_{3}	16.9	X	212.41388	43.99529	121.79146	5.20849	0.1129194	0.29226532	2.2488019	21	11 7.6	19.9
168128 2006 GO_{7}	16.5	X	336.38375	271.33467	46.44210	10.31704	0.2729794	0.27112464	2.3642318	21	6 21.5	18.1
168129 2006 GS_{19}	17.1	X	8.50985	212.90505	171.35061	4.68274	0.1779960	0.29219820	2.2491462	21	—	—
168130 2006 GD_{28}	16.8	X	334.34932	221.89152	71.00371	3.64336	0.2102361	0.26466762	2.4025301	21	5 16.9	18.6
168131 2006 GZ_{31}	16.0	X	122.72757	77.70006	195.44059	12.45449	0.2474990	0.22457480	2.6805796	21	12 12.2	20.9
168132 2006 GG_{32}	15.1	X	179.57602	293.07572	355.99525	11.09195	0.2510903	0.23505164	2.6003224	21	—	—
168133 2006 GE_{37}	16.9	X	84.90820	103.35252	153.42234	2.54303	0.1598391	0.28122084	2.3073017	21	10 21.5	20.1
168134 2006 GP_{37}	16.9	X	140.83330	8.30799	210.42581	2.80863	0.1766692	0.28521028	2.2857353	21	10 27.7	20.4
168135 2006 GU_{38}	16.2	X	158.32037	43.26226	247.38603	9.84107	0.2389514	0.23197090	2.6232945	21	—	—
168136 2006 GP_{41}	16.9	X	88.66637	255.83569	14.81558	3.03513	0.1921252	0.28451386	2.2894637	21	11 14.2	20.2
168137 2006 GD_{42}	16.2	X	196.19339	53.41286	186.25248	14.18417	0.1726674	0.23279475	2.6171017	21	—	—
168138 2006 GW_{49}	15.5	X	166.25725	61.12148	193.69270	11.49155	0.1477862	0.22828321	2.6514701	21	12 25.8	19.9
168139 2006 GA_{50}	14.7	X	219.11890	293.19041	2.21937	23.61687	0.2229391	0.17903311	3.1177921	21	1 31.0	20.4
168140 2006 GB_{52}	16.3	X	216.26710	255.51170	328.47215	5.85695	0.1067039	0.30118928	2.2041596	21	—	—
168141 2006 HL	16.5	X	304.08485	233.97292	44.39923	7.22079	0.1320417	0.26059137	2.4275193	21	3 23.4	19.6
168142 2006 HB_{3}	16.4	X	303.70608	240.20537	98.04154	3.91212	0.1607403	0.26921362	2.3754070	21	6 7.9	18.9
168143 2006 HX_{7}	16.9	X	198.20424	84.67787	209.91509	3.08475	0.1739098	0.30787177	2.1721483	21	—	—
168144 2006 HP_{8}	16.8	X	268.53737	94.32346	238.33430	1.38935	0.1743876	0.26556323	2.3971254	21	4 11.9	20.3
168145 2006 HA_{24}	17.1	X	239.10681	136.85574	114.42150	2.35677	0.0403039	0.24260635	2.5460559	21	—	—
168146 2006 HY_{24}	16.3	X	47.65829	313.11886	137.08890	3.34089	0.0319740	0.24388683	2.5371364	21	—	—
168147 2006 HV_{27}	16.0	X	101.68407	234.87191	80.47305	13.36335	0.1443859	0.22593560	2.6698054	21	—	—
168148 2006 HP_{30}	15.8	X	48.51818	87.80415	165.07721	9.40955	0.1089223	0.20911251	2.8111415	21	8 12.4	19.5
168149 2006 HH_{31}	16.4	X	308.68502	236.06316	36.30067	6.79933	0.0904924	0.26000774	2.4311506	21	3 27.3	19.3
168150 2006 HA_{33}	16.5	X	89.13114	263.90373	342.18223	6.47575	0.0436733	0.28342926	2.2953007	21	9 25.0	19.2
168151 2006 HC_{35}	15.5	X	252.60407	76.20803	215.30263	1.18375	0.2206534	0.18277430	3.0751004	21	2 11.1	20.6
168152 2006 HO_{40}	16.7	X	177.54649	17.27582	178.24952	4.96945	0.0785342	0.28728484	2.2747180	21	11 8.2	19.8
168153 2006 HJ_{42}	16.8	X	334.74962	248.23963	41.36844	2.65357	0.1871634	0.26831423	2.3807123	21	5 15.3	19.0
168154 2006 HM_{42}	14.4	X	214.69087	96.12048	205.43783	25.23766	0.2262172	0.17796726	3.1302280	21	1 20.3	20.3
168155 2006 HY_{46}	16.6	X	102.29073	161.03681	166.85469	4.22069	0.1129959	0.23155359	2.6264454	21	—	—
168156 2006 HZ_{46}	16.6	X	178.80644	202.93220	109.69708	3.31632	0.1659823	0.24122264	2.5557832	21	—	—
168157 2006 HE_{47}	15.6	X	228.42347	101.59447	177.59137	21.01780	0.2629242	0.17690788	3.1427121	21	1 8.6	21.5
168158 2006 HQ_{49}	15.4	X	175.80887	157.96824	104.08214	14.31289	0.1337708	0.23170346	2.6253127	21	—	—
168159 2006 HH_{52}	16.4	X	178.76607	39.79274	250.23964	2.90195	0.1363173	0.23817650	2.5775283	21	—	—
168160 2006 HB_{55}	16.0	X	98.65376	89.32440	203.63788	8.66669	0.2001014	0.22410924	2.6842907	21	12 13.8	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168161 2006 HE_{57}	16.7	X	102.19973	198.09093	59.34452	7.15372	0.0738425	0.28452221	2.2894189	21	11 2.9	19.6
168162 2006 HK_{57}	16.0	X	138.46132	201.82702	107.78238	3.71293	0.2141624	0.23163607	2.6258219	21	—	—
168163 2006 HW_{59}	15.9	X	198.68119	71.56897	192.71707	14.53515	0.0901072	0.23694356	2.5864621	21	—	—
168164 2006 HV_{60}	16.2	X	139.27960	118.40317	171.30849	13.01611	0.1863499	0.23024885	2.6363581	21	—	—
168165 2006 HA_{61}	16.1	X	210.47610	49.28990	232.00356	17.19621	0.2125082	0.23863157	2.5742503	21	—	—
168166 2006 HT_{63}	16.3	X	39.63220	155.43368	166.83899	2.99540	0.0765180	0.21833233	2.7314338	21	10 29.9	19.8
168167 2006 HU_{63}	16.1	X	73.87379	126.43971	184.97776	3.42564	0.1093122	0.22195819	2.7016055	21	12 2.9	19.9
168168 2006 HD_{69}	16.1	X	349.07297	140.45431	213.05266	4.30192	0.1750076	0.21202740	2.7853176	21	9 25.2	18.8
168169 2006 HP_{69}	15.7	X	122.13125	194.21308	85.55473	12.94994	0.1593446	0.22404942	2.6847684	21	12 16.3	20.0
168170 2006 HX_{76}	16.5	X	185.09525	249.26330	23.47551	4.24637	0.1482868	0.23446171	2.6046823	21	—	—
168171 2006 HM_{77}	15.6	X	72.84481	266.70498	106.09633	13.33110	0.1858351	0.23005224	2.6378600	21	—	—
168172 2006 HE_{80}	17.0	X	76.89784	139.01730	215.79642	1.90007	0.0582422	0.23063184	2.6334386	21	—	—
168173 2006 HF_{82}	16.1	X	224.64690	324.14293	54.20682	7.43489	0.1418612	0.26063676	2.4272375	21	4 30.6	19.7
168174 2006 HG_{82}	16.8	X	70.38274	292.33525	206.42845	1.67930	0.1408416	0.25907509	2.4369818	21	4 10.3	19.3
168175 2006 HP_{83}	15.8	X	50.59360	97.03992	195.23434	6.55269	0.1077603	0.21326904	2.7744965	21	10 8.8	19.4
168176 2006 HS_{83}	15.4	X	195.14870	180.53566	133.94659	4.98562	0.1710160	0.17619534	3.1511792	21	1 24.9	20.7
168177 2006 HU_{83}	16.7	X	51.40566	202.31111	191.38201	6.67505	0.1622317	0.29716339	2.2240225	21	—	—
168178 2006 HN_{84}	16.0	X	58.47162	100.97300	213.58958	11.22083	0.1277891	0.21773096	2.7364610	21	11 20.8	19.8
168179 2006 HT_{85}	17.4	X	1.65372	308.03284	83.61087	1.55284	0.1045139	0.29437422	2.2380487	21	12 27.0	19.6
168180 2006 HV_{88}	15.8	X	158.88153	173.68895	150.95470	14.00920	0.1467181	0.23679866	2.5875171	21	—	—
168181 2006 HQ_{90}	17.0	X	273.70235	122.07334	204.35522	4.54405	0.1125577	0.25958472	2.4337911	21	4 18.4	20.1
168182 2006 HS_{90}	15.6	X	82.12777	177.57867	145.07722	15.56015	0.1121626	0.22552192	2.6730693	21	12 26.8	19.8
168183 2006 HT_{96}	15.8	X	94.93687	113.68565	220.25202	3.28597	0.2337599	0.22625608	2.6672837	21	—	—
168184 2006 HH_{102}	16.7	X	63.86870	192.03012	158.85080	4.05737	0.1167129	0.22543075	2.6737899	21	—	—
168185 2006 HV_{102}	16.4	X	350.74802	179.40980	144.44451	2.94402	0.0831988	0.20818423	2.8194918	21	8 16.2	19.6
168186 2006 HX_{108}	15.7	X	130.45654	194.56282	114.29750	7.17722	0.1799024	0.22949649	2.6421168	21	—	—
168187 2006 HG_{114}	16.7	X	65.50989	212.67765	63.21397	3.83261	0.2386019	0.27634942	2.3343376	21	11 2.9	19.8
168188 2006 HN_{115}	16.9	X	212.20311	201.17725	72.54896	1.60332	0.1338569	0.24093590	2.5578106	21	—	—
168189 2006 HF_{117}	15.7	X	158.59056	76.62780	223.83001	12.00796	0.1826971	0.23182627	2.6243854	21	—	—
168190 2006 HA_{121}	16.7	X	357.21710	181.52025	178.85747	6.50015	0.0463229	0.21627833	2.7487002	21	10 16.1	20.1
168191 2006 HQ_{152}	15.7	X	230.12325	89.27565	161.07369	7.45338	0.1536902	0.23766863	2.5811989	21	—	—
168192 2006 JZ	16.2	X	217.66531	263.31749	1.25011	7.80798	0.1276511	0.24032878	2.5621165	21	—	—
168193 2006 JH_{1}	15.7	X	274.22099	178.47925	95.14336	2.89689	0.1384147	0.18869467	3.0104376	21	2 17.8	20.1
168194 2006 JT_{1}	16.4	X	354.97763	219.73971	37.99984	5.65880	0.0983542	0.26456023	2.4031803	21	5 15.9	18.9
168195 2006 JZ_{1}	17.2	X	341.75393	195.91122	36.32635	4.54061	0.1726905	0.25795791	2.4440129	21	3 8.6	19.7
168196 2006 JL_{5}	16.8	X	300.44458	191.35103	216.66671	6.15837	0.0818605	0.28306348	2.2972776	21	9 28.9	19.2
168197 2006 JV_{10}	16.8	X	221.28277	46.88973	19.24181	4.28035	0.1023325	0.27102188	2.3648294	21	7 1.9	20.2
168198 2006 JR_{17}	16.3	X	346.89666	265.30774	91.89382	3.35477	0.2361434	0.21153223	2.7896626	21	10 1.1	18.6
168199 2006 JY_{18}	16.6	X	164.00132	115.01817	150.68635	3.54398	0.0798515	0.23029663	2.6359934	21	—	—
168200 2006 JZ_{19}	15.9	X	42.32576	161.31373	174.16613	10.02557	0.1152087	0.21928618	2.7235073	21	11 26.4	19.6
168201 2006 JJ_{23}	16.4	X	32.75182	325.57390	11.56374	1.74425	0.2344451	0.21728100	2.7402375	21	12 1.1	19.9
168202 2006 JP_{26}	16.2	X	227.92659	322.65329	313.06394	4.90959	0.1715036	0.24299822	2.5433180	21	—	—
168203 2006 JB_{27}	17.6	X	346.43196	119.73845	138.14952	2.97487	0.1655206	0.26230631	2.4169271	21	4 24.8	19.9
168204 2006 JP_{27}	16.6	X	110.58935	219.72846	55.67227	6.54951	0.1549474	0.28551844	2.2840903	21	12 8.9	20.1
168205 2006 JE_{28}	16.0	X	113.59894	214.75518	69.85807	4.46390	0.1255924	0.22504071	2.6768785	21	12 12.8	20.0
168206 2006 JH_{29}	16.3	X	73.00110	222.97956	77.79962	5.13869	0.1667678	0.21922179	2.7240405	21	11 25.2	20.2
168207 2006 JK_{29}	16.2	X	53.43153	166.13059	136.23781	3.73353	0.0843171	0.21727999	2.7402460	21	10 24.4	19.8
168208 2006 JH_{30}	16.9	X	287.12540	177.00572	195.11226	6.24378	0.1401392	0.27205583	2.3588339	21	7 4.6	19.9
168209 2006 JP_{30}	17.1	X	65.55738	312.05253	65.15247	7.14751	0.1477448	0.29796776	2.2200182	21	—	—
168210 2006 JW_{37}	17.1	X	246.62485	121.50037	117.59357	5.60211	0.0770641	0.30704166	2.1760616	21	—	—
168211 2006 JF_{39}	15.6	X	104.04306	252.62573	92.78712	4.88319	0.2302433	0.22807175	2.6531088	21	—	—
168212 2006 JJ_{43}	16.1	X	69.61774	126.19223	176.69336	8.17907	0.1380762	0.21956492	2.7212018	21	11 21.9	20.1
168213 2006 JE_{45}	15.2	X	259.85120	219.26367	65.32977	4.31017	0.1338516	0.18347021	3.0673195	21	2 18.3	19.9
168214 2006 JO_{46}	15.6	X	0.92949	220.40589	199.76500	13.30790	0.0838148	0.21725835	2.7404280	21	—	—
168215 2006 JF_{47}	15.7	X	301.51190	138.93062	42.45066	14.75040	0.0341050	0.24086570	2.5583075	21	—	—
168216 2006 JS_{48}	15.8	X	190.25113	196.03734	38.03317	6.47228	0.2031321	0.22942977	2.6426290	21	12 19.7	20.2
168217 2006 JH_{53}	16.4	X	69.15529	227.75039	60.95012	7.77647	0.1050168	0.28087306	2.3092059	21	11 7.7	19.3
168218 2006 JV_{54}	16.4	X	191.17378	67.21121	214.41316	11.50217	0.2709349	0.23420997	2.6065484	21	—	—
168219 2006 JK_{55}	15.5	X	51.79435	221.65184	89.78527	6.41698	0.0778036	0.21605102	2.7506278	21	11 2.5	19.2
168220 2006 JQ_{57}	15.7	X	51.14996	4.01806	195.05356	2.54530	0.2066333	0.19909683	2.9046456	21	6 19.2	19.0
168221 Donjennings	16.5	X	355.70179	303.90952	53.08881	3.63454	0.1882712	0.21353532	2.7721894	21	10 17.9	19.1
168222 2006 KU	16.7	X	282.59448	90.01825	112.40381	3.05438	0.0589017	0.30583563	2.1817785	21	—	—
168223 2006 KY_{1}	15.1	X	128.59998	292.81305	37.04732	15.54870	0.2911648	0.22962719	2.6411142	21	—	—
168224 2006 KA_{7}	16.7	X	174.17009	125.32172	234.09658	2.66768	0.0783050	0.24770347	2.5110074	21	2 11.4	20.3
168225 2006 KV_{10}	16.4	X	333.70612	284.28546	229.18474	3.62509	0.1022644	0.24232962	2.5479939	21	—	—
168226 2006 KH_{15}	16.4	X	166.92766	349.42005	274.09044	1.18687	0.1707769	0.22907828	2.6453315	21	—	—
168227 2006 KQ_{27}	16.3	X	156.92702	229.29708	52.82961	3.29224	0.1142906	0.23116682	2.6293741	21	—	—
168228 2006 KA_{32}	17.1	X	244.92002	132.51864	269.80148	1.19085	0.1975903	0.26963445	2.3729348	21	6 16.2	20.4
168229 2006 KH_{35}	16.5	X	313.26111	149.68688	227.85870	1.98184	0.1894517	0.27425328	2.3462169	21	8 21.4	18.5
168230 2006 KV_{39}	16.0	X	111.58885	267.05743	349.27823	12.77735	0.1798410	0.22048653	2.7136136	21	11 4.9	20.6
168231 2006 KK_{40}	15.3	X	309.83370	80.70764	206.65672	9.99911	0.0914319	0.19283973	2.9671423	21	4 24.0	19.3
168232 2006 KO_{41}	15.8	X	241.31746	32.73257	191.29589	7.49425	0.1206788	0.23613081	2.5923936	21	—	—
168233 2006 KC_{44}	16.1	X	106.99940	189.90492	144.87686	10.81384	0.1823888	0.23142509	2.6274175	21	—	—
168234 Hsi Ching	16.4	X	204.11632	121.90430	145.59038	8.07447	0.1722600	0.23547180	2.5972282	21	—	—
168235 2006 KZ_{72}	15.8	X	251.61170	138.12514	178.70809	10.20579	0.1349006	0.18710859	3.0274262	21	3 17.8	20.3
168236 2006 KA_{80}	15.9	X	18.53110	220.22917	139.27819	5.92088	0.0750946	0.21921209	2.7241209	21	11 18.8	19.4
168237 2006 KH_{80}	15.8	X	151.69834	278.70203	83.66965	15.18042	0.1155514	0.24291298	2.5439129	21	1 29.3	19.6
168238 2006 KM_{80}	16.5	X	4.90213	194.24192	153.26847	6.85877	0.0675256	0.21435800	2.7650920	21	10 12.6	20.0
168239 2006 KK_{82}	15.3	X	243.06467	218.36494	100.91854	17.51767	0.1495158	0.18488406	3.0516618	21	3 19.5	20.5
168240 2006 KW_{84}	16.5	X	162.21323	165.70714	129.33939	3.02554	0.1327944	0.23171466	2.6252281	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168241 2006 KD_{86}	15.4	X	93.93121	233.05537	125.92536	13.70662	0.2753864	0.23028314	2.6360964	21	—	—
168242 2006 KO_{86}	16.0	X	158.98653	351.08854	230.83142	9.72943	0.1913853	0.22137026	2.7063868	21	11 9.2	20.6
168243 2006 KB_{90}	15.4	X	297.54849	316.05814	315.71775	5.58137	0.1449270	0.18836378	3.0139621	21	3 9.8	19.6
168244 2006 KW_{98}	15.2	X	96.23818	179.41307	81.56636	18.57618	0.1974270	0.21474820	2.7617415	21	11 8.5	19.8
168245 2006 KX_{98}	16.4	X	211.41120	150.61960	124.94743	4.83200	0.1670031	0.23781075	2.5801705	21	—	—
168246 2006 KF_{101}	16.5	X	115.93006	38.59595	236.53970	5.19093	0.1318279	0.22400823	2.6850975	21	12 4.1	20.6
168247 2006 KA_{102}	15.6	X	243.69259	166.28074	153.61288	9.59642	0.1219105	0.18587365	3.0408208	21	3 16.3	20.4
168248 2006 KC_{103}	16.2	X	219.23243	113.90509	184.38978	14.82817	0.1402247	0.24285054	2.5443489	21	1 14.9	20.6
168249 2006 KF_{105}	15.8	X	150.74364	143.11046	190.62959	14.89187	0.1567864	0.23540320	2.5977328	21	—	—
168250 2006 KU_{109}	16.5	X	303.70742	335.34055	35.47507	7.64471	0.1353276	0.27459250	2.3442843	21	8 4.9	19.0
168251 2006 KY_{121}	15.9	X	122.58534	263.48408	30.41876	4.76465	0.1530928	0.22493222	2.6777391	21	—	—
168252 2006 LA_{1}	15.3	X	234.53621	259.48355	35.82812	9.61701	0.1355942	0.17940394	3.1134942	21	2 9.5	20.4
168253 2006 LZ_{2}	15.9	X	91.21447	140.67842	158.24221	5.41844	0.1043274	0.21913067	2.7247956	21	12 5.8	19.9
168254 2006 LY_{3}	17.2	X	10.90152	44.24032	186.70840	4.98505	0.1097486	0.26089934	2.4256087	21	5 6.6	19.5
168255 2006 LO_{7}	14.7	X	275.08092	241.23770	3.28929	25.37374	0.0878592	0.17441345	3.1726055	21	2 2.3	19.8
168256 2006 MY	16.4	X	310.60209	262.07822	114.88761	12.76033	0.2143453	0.27442234	2.3452532	21	8 13.5	18.5
168257 2006 MF_{1}	15.6	X	128.80945	129.32744	211.49760	14.36453	0.1650584	0.23225001	2.6211923	21	—	—
168258 2006 MO_{3}	15.3	X	202.86893	115.13204	219.64980	14.61161	0.1809796	0.24321106	2.5418339	21	2 10.6	19.8
168259 2006 MM_{9}	15.6	X	183.47293	166.05339	128.09801	15.12343	0.0352291	0.23040307	2.6351816	21	—	—
168260 2006 NT	15.5	X	9.56029	194.41660	264.94460	11.69040	0.0565045	0.22640358	2.6661251	21	—	—
168261 Puglia	15.3	X	26.38761	53.30716	151.32882	12.34104	0.0356096	0.18536919	3.0463352	21	5 4.5	19.6
168262 2006 PJ_{27}	14.6	X	235.88470	289.80518	61.15549	19.10243	0.1924949	0.18119414	3.0929527	21	4 16.7	19.9
168263 2006 PX_{36}	15.3	X	266.07005	294.53249	60.20686	3.82128	0.0619182	0.18744144	3.0238412	21	5 28.2	19.4
168264 2006 PO_{37}	15.3	X	242.27378	29.44508	301.90481	8.03077	0.0710391	0.18141754	3.0904131	21	3 27.6	20.0
168265 2006 QH_{37}	15.9	X	233.35090	111.39737	79.60714	6.35800	0.0631611	0.21827032	2.7319512	21	12 27.2	19.6
168266 2006 QJ_{46}	15.1	X	32.72161	243.57918	355.22691	8.65518	0.0844851	0.19128991	2.9831471	21	6 27.9	19.0
168267 2006 SA_{353}	15.4	X	211.20637	288.97570	96.56905	3.13107	0.1254855	0.17363157	3.1821228	21	5 2.8	20.5
168268 2007 PQ_{1}	15.9	X	345.54204	140.85204	183.74536	7.62869	0.2337966	0.20972502	2.8056654	21	7 31.9	18.5
168269 2007 PS_{1}	16.6	X	249.03198	50.73325	275.85136	0.47459	0.1937234	0.26253802	2.4155049	21	3 14.8	20.5
168270 2007 PY_{1}	16.1	X	182.28853	141.70242	141.71975	26.22903	0.0544827	0.24296721	2.5435343	21	—	—
168271 2007 PE_{6}	15.8	X	267.78911	0.50676	13.84248	10.88488	0.2308196	0.26714060	2.3876800	21	5 27.6	19.4
168272 2007 PY_{7}	16.3	X	333.96641	202.12271	135.37679	3.06470	0.2315586	0.21029718	2.8005742	21	7 25.4	18.6
168273 2007 PJ_{16}	15.1	X	147.07614	354.63553	357.40469	15.38891	0.2654527	0.17270715	3.1934675	21	2 8.6	20.6
168274 2007 PU_{16}	16.4	X	279.71779	283.79532	60.35528	3.16776	0.2269629	0.26804353	2.3823149	21	5 3.8	19.8
168275 2007 PZ_{16}	16.4	X	275.89607	238.34038	101.25433	3.64418	0.2070311	0.26545470	2.3977787	21	4 27.3	19.7
168276 2007 PS_{17}	15.2	X	135.68602	256.28682	317.77187	17.04889	0.1260085	0.22232248	2.6986535	21	9 30.3	19.8
168277 2007 PP_{21}	14.7	X	120.86664	228.35069	158.19353	21.66489	0.0400159	0.17439280	3.1728558	21	1 22.7	19.5
168278 2007 PJ_{29}	17.0	X	287.17733	82.54164	254.90254	1.73454	0.2410491	0.27061990	2.3671706	21	4 30.4	20.2
168279 2007 PV_{32}	16.6	X	222.20407	178.47595	200.20555	1.61347	0.2244223	0.26350762	2.4095758	21	4 24.3	20.7
168280 2007 QR_{5}	13.0	X	33.07091	90.52114	281.24773	1.34013	0.0540418	0.08106982	5.2872508	21	11 23.0	19.7
168281 2007 QM_{8}	16.5	X	244.33951	198.59897	164.78769	5.30333	0.2039068	0.26423135	2.4051739	21	4 26.9	20.2
168282 2007 QU_{9}	15.4	X	173.57025	152.89079	175.02325	1.60640	0.1603356	0.17391412	3.1786752	21	1 21.8	20.5
168283 2007 RR_{23}	14.8	X	160.31397	191.54744	177.55879	15.42140	0.0861528	0.17767774	3.1336275	21	2 18.5	19.6
168284 2007 RT_{36}	16.0	X	9.47123	18.29681	3.05035	9.74444	0.2399976	0.21784050	2.7355436	21	12 25.2	19.2
168285 2007 RZ_{77}	15.9	X	228.88226	159.92050	167.23917	10.39409	0.1316420	0.18581624	3.0414471	21	3 8.9	20.6
168286 2007 RJ_{117}	17.5	X	143.62494	325.46831	330.39476	3.08907	0.1959161	0.30507509	2.1854031	21	—	—
168287 2007 RG_{145}	16.7	X	117.41545	19.96331	287.53193	1.84995	0.1639840	0.29994049	2.2102733	21	—	—
168288 2007 RO_{210}	16.4	X	280.87442	79.81887	214.44390	2.38184	0.1797546	0.19165319	2.9793763	21	3 14.5	20.9
168289 2007 SD	16.7	X	307.05417	343.48544	351.14206	1.92472	0.2318938	0.27168428	2.3609840	21	5 25.1	19.4
168290 2045 P–L	17.2	X	38.14153	24.33922	3.79751	6.73874	0.2134227	0.29423448	2.2387572	21	—	—
168291 3041 P–L	15.6	X	256.68629	95.45275	242.70998	8.91408	0.3066015	0.18980742	2.9986602	21	3 30.5	20.9
168292 4267 P–L	15.3	X	308.77442	291.71521	1.26183	11.05240	0.0263711	0.18927467	3.0042844	21	5 5.0	19.6
168293 4724 P–L	17.4	X	280.84651	348.50804	4.83496	4.78405	0.2318237	0.27198736	2.3592297	21	5 14.8	20.8
168294 4883 P–L	17.3	X	242.11200	186.41066	217.40279	1.75334	0.2012985	0.27175985	2.3605463	21	6 15.0	20.7
168295 6280 P–L	15.3	X	146.92617	44.99144	345.25866	5.27418	0.1598641	0.17112882	3.2130732	21	3 10.6	20.3
168296 6740 P–L	15.2	X	135.89662	4.75095	23.54034	5.49966	0.1236060	0.17032242	3.2232067	21	2 24.6	20.1
168297 7575 P–L	16.4	X	36.66667	321.65333	35.77462	6.54221	0.1958910	0.29352280	2.2423745	21	—	—
168298 3230 T–1	16.2	X	76.40933	347.46743	198.13816	8.75027	0.1464502	0.25874994	2.4390229	21	6 28.2	19.3
168299 1048 T–2	15.0	X	140.88335	82.33276	354.95290	15.87156	0.0845180	0.17742781	3.1365696	21	4 16.7	19.8
168300 1217 T–2	15.4	X	136.35359	56.12609	20.05783	4.04281	0.1797542	0.17693818	3.1423532	21	4 24.9	20.4
168301 1315 T–2	15.7	X	124.51707	314.94935	5.57529	11.89305	0.1972947	0.23241285	2.6199678	21	—	—
168302 1428 T–2	17.1	X	358.16920	47.48989	354.92119	5.78327	0.1914864	0.29029903	2.2589450	21	—	—
168303 2223 T–2	15.8	X	197.30084	293.75566	24.64613	4.43375	0.2834182	0.17262501	3.1944805	21	2 3.5	21.6
168304 3125 T–2	14.5	X	123.85768	272.09763	180.46334	26.42706	0.1224985	0.17707026	3.1407905	21	4 29.6	19.5
168305 3205 T–2	16.3	X	109.30928	213.78261	144.69709	3.32692	0.2137103	0.23290455	2.6162791	21	—	—
168306 4255 T–2	15.2	X	172.80119	169.53715	167.96837	12.02392	0.1306133	0.17321416	3.1872328	21	1 29.2	20.3
168307 1206 T–3	16.4	X	339.65602	81.26074	258.91985	4.18026	0.2619023	0.26766402	2.3845662	21	8 15.4	17.5
168308 1216 T–3	16.5	X	76.26050	104.97375	233.98388	11.15200	0.2806965	0.22874130	2.6479289	21	—	—
168309 2167 T–3	16.4	X	202.77338	60.76171	345.49343	6.13720	0.1432250	0.26210753	2.4181490	21	5 11.9	20.3
168310 2316 T–3	16.7	X	46.17513	6.77841	16.14278	7.69318	0.2035299	0.29604450	2.2296227	21	—	—
168311 3312 T–3	17.1	X	20.59134	193.31818	151.41571	1.82720	0.1871156	0.29288164	2.2456459	21	12 3.2	19.3
168312 3396 T–3	16.6	X	42.29465	343.28297	52.85465	3.01889	0.2101481	0.22870257	2.6482279	21	—	—
168313 5009 T–3	16.1	X	47.88614	308.04162	74.14083	6.95794	0.1670463	0.22852968	2.6495634	21	—	—
168314 1981 EW_{6}	16.9	X	303.52458	228.43696	279.57799	5.84219	0.1048316	0.28784733	2.2717537	21	—	—
168315 1982 RA_{1}	16.5	X	245.09799	93.42165	200.15885	5.46844	0.3319243	0.31976191	2.1179623	21	1 18.9	20.4
168316 1982 WD	15.0	X	32.29671	212.36205	247.38910	28.94783	0.2311559	0.23358569	2.6111905	21	—	—
168317 1988 RY_{4}	15.4	X	23.39956	5.26194	348.09967	9.81317	0.3500826	0.21275931	2.7789261	21	12 27.1	19.0
168318 1989 DA	18.9	X	71.05676	139.80800	349.12484	6.49558	0.5433291	0.31010647	2.1617004	21	6 3.7	21.5
168319 1990 RW_{2}	15.6	X	178.68245	61.77974	300.46508	3.81469	0.2992291	0.24005022	2.5640982	21	3 4.1	20.3
168320 1990 WG_{5}	15.5	X	116.40542	296.03859	79.59296	13.88493	0.2772636	0.23303860	2.6152757	21	1 29.0	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168321 Josephschmidt	16.5	X	137.14984	71.70488	255.28588	3.64647	0.2531186	0.24230726	2.5481507	21	—	—
168322 1992 EX_7	16.3	X	15.01418	175.52335	335.44608	5.41023	0.2345382	0.23592366	2.5939109	21	1 9.3	18.5
168323 1992 ED_{23}	16.9	X	290.73490	99.38623	66.94872	5.96249	0.0712692	0.29626809	2.2285008	21	—	—
168324 1993 FA_{19}	15.1	X	294.86269	143.12476	132.54315	6.00634	0.1305691	0.17428259	3.1741933	21	3 19.1	19.6
168325 1993 FT_{27}	15.4	X	344.27598	273.43644	323.85911	4.38324	0.0995494	0.17645824	3.1480486	21	4 7.7	19.4
168326 1993 FJ_{59}	15.9	X	183.23871	201.61289	332.84481	0.69307	0.1199597	0.19133713	2.9826563	21	10 3.9	20.4
168327 1993 FZ_{60}	15.6	X	29.13605	22.47678	188.58313	4.48340	0.0931447	0.17863558	3.1224159	21	5 17.4	19.4
168328 1993 NX_1	17.5	X	26.74865	218.39430	85.16891	1.27083	0.2298326	0.28518303	2.2858809	21	10 20.1	19.7
168329 1993 TN_6	16.8	X	94.03066	92.00777	269.45676	2.05455	0.2050371	0.22085723	2.7105763	21	—	—
168330 1993 TZ_7	15.8	X	84.67553	298.59888	339.91093	4.35577	0.1302125	0.21291709	2.7775531	21	11 3.3	19.9
168331 1993 TA_8	16.5	X	32.41671	335.76687	0.15125	6.60244	0.1219507	0.21291334	2.7775857	21	11 9.2	20.1
168332 1993 TC_{28}	15.9	X	338.66736	347.34937	49.27175	5.04841	0.0723492	0.21242656	2.7818273	21	11 4.9	19.1
168333 1994 CU_{17}	16.5	X	106.69703	110.74625	58.58334	3.34260	0.1083095	0.26350398	2.4095980	21	7 11.7	19.7
168334 1994 PQ_1	15.9	X	89.44222	266.07107	80.30464	27.33412	0.3389176	0.22971764	2.6404209	21	—	—
168335 1994 PW_{24}	16.2	X	122.94183	349.10959	334.03194	3.12661	0.1878150	0.23212009	2.6221703	21	—	—
168336 1994 PV_{28}	16.2	X	113.98536	247.34486	118.29873	3.51111	0.2368409	0.23356308	2.6113591	21	1 5.0	19.6
168337 1994 SK_1	15.3	X	103.53802	79.38852	55.03265	2.90393	0.2610222	0.16720283	3.2631745	21	6 11.9	20.4
168338 1994 UW_{10}	16.1	X	347.82089	270.16109	229.28541	10.89768	0.1355965	0.22972103	2.6403949	21	—	—
168339 1995 FS_8	16.6	X	214.08772	119.35002	50.88399	5.69342	0.1317874	0.28376444	2.2934929	21	11 9.9	19.7
168340 1995 JE_1	16.8	X	14.58936	314.12298	64.07872	22.21418	0.0920041	0.35576579	1.9725435	21	—	—
168341 1995 MT_1	16.7	X	303.82776	229.17634	126.63284	8.46748	0.1865292	0.26834297	2.3805423	21	6 29.9	19.2
168342 1995 MG_4	16.5	X	13.69529	72.32187	175.67680	6.67458	0.0872365	0.26188609	2.4195119	21	6 7.0	19.1
168343 1995 OJ_2	15.5	X	189.54715	243.93288	160.28085	13.46275	0.1355062	0.18076155	3.0978854	21	5 6.9	20.7
168344 1995 OD_{14}	15.9	X	256.32790	101.59623	233.13616	4.24109	0.1343292	0.18130763	3.0916619	21	4 12.8	20.7
168345 1995 SR_{30}	16.7	X	78.32741	200.17151	14.55816	1.35744	0.1306119	0.26316760	2.4116509	21	8 10.7	19.7
168346 1995 SH_{89}	16.7	X	111.55341	117.92782	204.99533	3.08135	0.1616836	0.23649052	2.5897642	21	—	—
168347 1995 UG_{13}	16.8	X	222.09790	71.28385	356.74422	0.87067	0.1637767	0.25703010	2.4498908	21	6 30.3	20.5
168348 1995 UZ_{18}	16.1	X	124.74985	332.88740	79.98220	2.85478	0.0539885	0.17058397	3.2199113	21	3 4.4	20.7
168349 1995 UZ_{30}	15.5	X	87.21064	51.55542	120.99322	3.00392	0.0731641	0.17509400	3.1643793	21	6 16.2	19.8
168350 1995 UX_{42}	17.3	X	209.18262	289.10698	18.75108	2.20706	0.1398619	0.24557788	2.5254758	21	1 19.6	21.2
168351 1995 UY_{51}	17.3	X	175.35599	229.00764	125.91243	2.30252	0.2357248	0.24553722	2.5257547	21	2 19.4	21.5
168352 1995 VV_3	15.7	X	148.93893	40.48632	82.74831	6.51332	0.0907220	0.17741547	3.1367150	21	6 27.7	20.4
168353 1995 VQ_5	15.3	X	250.79596	244.86094	54.88015	17.89615	0.0986849	0.17111067	3.2133004	21	3 11.7	20.5
168354 1996 AE_6	16.6	X	132.27429	303.83427	81.39151	3.94435	0.0938793	0.23719290	2.5846491	21	2 1.3	20.1
168355 1996 AU_8	17.4	X	200.00305	181.88355	153.03072	2.99430	0.0661708	0.31588720	2.1352465	21	1 28.3	19.9
168356 1996 AF_{15}	16.0	X	3.95321	45.77462	323.32421	7.04916	0.1476273	0.22232664	2.6986198	21	11 13.8	19.1
168357 1996 CF_2	16.4	X	239.35233	324.46777	351.36196	2.63807	0.0905098	0.31657855	2.1321368	21	2 18.5	19.1
168358 Casca	16.8	X	119.95136	59.72012	352.92385	2.98056	0.0897209	0.31387204	2.1443761	21	2 5.2	18.9
168359 1996 DH_3	15.9	X	150.74905	27.19597	221.05862	8.73972	0.0302196	0.21958166	2.7210635	21	12 4.9	19.7
168360 1996 PC	15.7	X	229.84972	151.62465	216.80368	8.38173	0.1538607	0.18846009	3.0129352	21	4 26.3	20.3
168361 1996 RB_{18}	17.1	X	307.54193	31.22666	8.90320	2.20595	0.0634571	0.27753234	2.3276999	21	10 2.0	19.6
168362 1996 RV_{28}	12.6	X	346.00995	158.95363	240.63809	4.85233	0.0815456	0.08188098	5.2522739	21	10 26.9	19.1
168363 1996 TG_{18}	16.7	X	340.36918	250.71425	25.94025	5.79787	0.1466110	0.26557132	2.3970767	21	5 11.5	19.0
168364 1996 TZ_{19}	12.7	X	87.36149	343.33494	311.90597	9.11155	0.0389549	0.08304984	5.2028765	21	10 26.5	19.7
168365 1996 TT_{25}	17.5	X	288.20370	202.36497	181.42851	0.89567	0.2007497	0.27044244	2.3682061	21	7 13.7	20.3
168366 1996 TC_{42}	16.4	X	349.44406	223.01781	112.32715	3.55466	0.1740915	0.27518163	2.3409372	21	9 11.1	18.1
168367 1996 UT_4	16.6	X	247.49953	154.01254	212.56276	6.09727	0.1369148	0.26376900	2.4079837	21	5 8.9	20.0
168368 1996 WU_3	15.0	X	341.82342	234.61654	91.31342	13.85770	0.1222635	0.18954308	3.0014476	21	8 3.9	18.7
168369 1996 XP_6	15.3	X	213.01471	343.95842	20.73050	10.29462	0.0715904	0.17931501	3.1145236	21	4 10.0	19.9
168370 1996 XA_{17}	15.9	X	118.09405	318.63510	52.26604	0.98044	0.1783918	0.16996882	3.2276756	21	1 21.4	20.6
168371 1996 XF_{20}	15.4	X	151.85914	123.10077	246.06891	3.57109	0.2467408	0.17475062	3.1685232	21	2 23.5	20.8
168372 1996 XV_{22}	15.2	X	180.00998	269.21166	99.48348	12.02259	0.1381754	0.17622839	3.1507852	21	3 19.6	20.4
168373 1997 CC_{11}	17.3	X	192.58918	117.74371	317.08245	1.88324	0.1587637	0.25941275	2.4348666	21	6 10.2	21.1
168374 1997 CH_{23}	15.8	X	143.73141	311.00232	130.29359	2.58897	0.2056081	0.17432134	3.1737229	21	5 11.1	21.0
168375 1997 EE_1	16.5	X	175.19109	94.38467	179.66808	14.14260	0.1000494	0.23435888	2.6054442	21	—	—
168376 1997 EK_{15}	16.9	X	345.44773	207.83301	358.26854	9.54656	0.2059945	0.24372041	2.5382912	21	2 5.0	19.7
168377 1997 EY_{16}	16.1	X	166.64172	185.50999	230.32070	5.62404	0.1165198	0.25183181	2.4834895	21	4 18.9	19.7
168378 1997 ET_{30}	16.8	X	207.91873	263.37447	23.26225	6.81332	0.4484650	0.31521755	2.1382696	21	—	—
168379 1997 GB_{15}	16.6	X	174.26331	196.90503	280.68990	1.56717	0.1492433	0.25631748	2.4544296	21	7 18.5	20.3
168380 1997 HX_{16}	16.4	X	87.22494	132.86712	202.68447	7.94762	0.1950401	0.22292311	2.6938039	21	—	—
168381 1997 LY_4	16.7	X	317.66773	51.42125	252.71586	8.35769	0.2717819	0.40701399	1.8032800	21	3 28.9	18.5
168382 1997 MC_6	15.8	X	151.25177	107.39583	176.08014	12.54592	0.0269745	0.22031570	2.7150162	21	—	—
168383 1997 MG_8	16.9	X	129.84682	12.26373	292.59300	3.52078	0.1667999	0.30251063	2.1977365	21	—	—
168384 1997 NP_3	15.9	X	82.17595	128.45526	149.98098	3.90958	0.1495479	0.21277075	2.7788265	21	11 5.7	20.0
168385 1997 RH_4	16.6	X	100.25913	33.29517	12.68025	6.33463	0.2836181	0.30335183	2.1936717	21	2 1.9	18.5
168386 1997 SR_{23}	16.2	X	3.49932	309.60869	359.98265	1.44892	0.0584491	0.19944099	2.9013031	21	8 16.3	19.7
168387 1997 SJ_{30}	16.4	X	303.41208	111.67240	291.79406	0.95614	0.0658168	0.20243009	2.8726717	21	9 19.8	20.1
168388 1997 TF_5	16.6	X	183.18457	349.53434	333.83882	3.41308	0.2175455	0.30994750	2.1624395	21	1 8.9	19.7
168389 1997 TC_{12}	16.5	X	2.35420	143.05231	297.31081	1.71607	0.1695575	0.21261247	2.7802055	21	—	—
168390 1997 WF_6	16.8	X	277.44694	125.18149	75.83962	5.88251	0.1015867	0.29851077	2.2173251	21	—	—
168391 1997 WK_{36}	15.4	X	45.04133	336.61886	65.52200	10.76105	0.2902330	0.21244057	2.7817051	21	—	—
168392 1997 YU_{17}	15.7	X	251.83743	314.66816	74.01728	2.70786	0.0898389	0.18825051	3.0151709	21	6 19.8	20.0
168393 1998 AU_4	16.0	X	297.97032	49.39671	344.28918	2.54015	0.1963501	0.19503600	2.9448253	21	8 11.1	19.6
168394 1998 BX_2	14.9	X	99.91008	179.02763	309.87817	21.72651	0.2666783	0.18005583	3.1059748	21	5 31.9	20.0
168395 1998 BQ_{18}	15.9	X	11.04258	111.06777	145.87384	7.22912	0.2221288	0.26213258	2.4179949	21	6 20.1	17.6
168396 1998 BN_{31}	14.9	X	160.73674	121.21506	315.10791	9.39866	0.1092113	0.18172690	3.0869048	21	5 10.7	19.9
168397 1998 BD_{48}	17.4	X	12.71432	133.23562	290.57415	0.57308	0.1921960	0.29106170	2.2549972	21	—	—
168398 1998 DG	16.5	X	128.30610	116.01509	53.40239	2.82522	0.1568405	0.26978900	2.3720284	21	8 11.9	20.1
168399 1998 DP_{12}	15.5	X	165.84562	301.38447	152.00606	1.63100	0.1413085	0.18404336	3.0609480	21	6 10.2	20.4
168400 1998 EC_5	15.1	X	246.74834	341.45359	325.29766	8.29276	0.0546534	0.17434159	3.1734771	21	3 7.4	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168401 1998 EF_{11}	16.3	X	110.74494	115.70976	110.29230	3.38059	0.2145200	0.27128660	2.3632908	21	10 12.1	20.1
168402 1998 FT_{47}	16.6	X	158.72554	263.23842	273.61575	1.92127	0.1430940	0.27215222	2.3582769	21	9 18.5	20.2
168403 1998 FW_{76}	16.2	X	89.49615	126.64356	44.61166	6.48512	0.0748112	0.26260251	2.4151093	21	6 14.8	19.3
168404 1998 FP_{92}	16.4	X	203.55317	186.66307	36.99012	5.80342	0.1132812	0.28264072	2.2995678	21	—	—
168405 1998 FW_{115}	16.2	X	226.50983	289.60388	221.97380	6.24222	0.0894426	0.27695797	2.3309170	21	11 4.7	19.0
168406 1998 FP_{119}	16.8	X	197.30657	68.09960	123.67683	1.11798	0.1603016	0.27945769	2.3169963	21	11 15.9	20.1
168407 1998 FP_{138}	17.3	X	174.69063	331.06362	199.52215	3.80363	0.1869629	0.27333181	2.3514871	21	9 25.3	21.0
168408 1998 HY_{11}	17.3	X	307.88085	116.05813	56.74568	1.76614	0.1352901	0.29063146	2.2572221	21	—	—
168409 1998 HA_{25}	15.0	X	111.09324	80.92435	136.76612	10.16187	0.0399161	0.18213739	3.0822650	21	9 8.9	19.4
168410 1998 HG_{99}	16.2	X	96.67738	115.82590	103.44011	2.20113	0.1353714	0.26643784	2.3918767	21	9 10.6	19.5
168411 1998 HO_{113}	15.3	X	204.17113	40.12545	146.01382	6.04254	0.1876338	0.19266621	2.9689236	21	11 4.6	20.1
168412 1998 HW_{154}	16.3	X	204.62334	296.26485	189.91479	1.89017	0.1666823	0.27221218	2.3579306	21	8 28.1	19.8
168413 1998 QJ_{10}	15.6	X	137.11630	203.73970	136.45133	6.55544	0.3092764	0.23314426	2.6144855	21	1 8.2	19.6
168414 1998 QY_{12}	15.7	X	136.17774	97.42955	296.48839	4.30754	0.3402178	0.23650424	2.5896641	21	3 12.9	20.1
168415 1998 QJ_{22}	16.3	X	129.99155	131.91153	262.27744	4.22600	0.3108903	0.23532871	2.5982809	21	3 5.3	20.5
168416 1998 QE_{30}	15.7	X	255.51234	91.48074	184.63394	10.17768	0.1721133	0.24123943	2.5556646	21	1 20.5	20.0
168417 1998 QF_{42}	15.8	X	96.83669	335.89648	343.18406	11.65325	0.1946468	0.22568067	2.6718155	21	—	—
168418 1998 QC_{50}	15.5	X	98.55471	16.89134	351.75114	12.70268	0.2968926	0.22901990	2.6457811	21	—	—
168419 1998 QE_{50}	15.9	X	89.43679	8.33751	4.95214	8.25618	0.2891904	0.22828093	2.6514877	21	—	—
168420 1998 QQ_{56}	16.8	X	39.79085	232.22985	171.25451	2.04118	0.0536425	0.22638850	2.6662435	21	—	—
168421 1998 QW_{75}	15.8	X	130.49712	137.80110	183.73216	16.93621	0.2417193	0.22953481	2.6418228	21	—	—
168422 1998 QE_{82}	15.4	X	86.76555	142.14755	231.43130	10.99703	0.1694523	0.22925861	2.6439442	21	—	—
168423 1998 QG_{96}	15.6	X	90.49882	101.03895	248.16358	9.86021	0.2037309	0.22664329	2.6642449	21	—	—
168424 1998 QG_{104}	16.4	X	77.52310	6.42143	21.82792	6.65565	0.2351516	0.22757049	2.6570033	21	—	—
168425 1998 RB_{29}	15.8	X	240.02484	266.12669	353.37819	11.26556	0.2714617	0.23818494	2.5774674	21	—	—
168426 1998 SJ_{54}	15.6	X	127.01190	342.81486	356.17653	11.93732	0.0875943	0.22918729	2.6444926	21	—	—
168427 1998 SL_{69}	15.7	X	71.86788	106.83548	311.14853	10.54161	0.2940110	0.22914737	2.6447998	21	1 17.9	17.8
168428 1998 SG_{87}	15.9	X	98.15885	137.17995	245.02973	4.57775	0.2897951	0.22900415	2.6459023	21	1 13.3	19.0
168429 1998 SP_{90}	16.3	X	88.05440	245.92728	90.37782	2.96524	0.2292858	0.22509890	2.6764171	21	—	—
168430 1998 SR_{96}	16.1	X	107.85415	313.65455	15.04806	14.36366	0.0633976	0.22554149	2.6729146	21	—	—
168431 1998 SB_{130}	15.6	X	142.17335	301.56582	17.28968	14.84424	0.1534672	0.22818397	2.6522389	21	—	—
168432 1998 TZ_{8}	16.3	X	16.86713	326.62718	21.16290	2.80757	0.0413211	0.21431195	2.7654881	21	10 25.2	19.7
168433 1998 UM_{5}	16.1	X	71.91031	241.78029	92.40686	3.53315	0.2226380	0.22132106	2.7067879	21	—	—
168434 1998 VA_{16}	15.6	X	347.14371	355.89244	51.25663	14.05585	0.1550222	0.21666534	2.7454261	21	12 6.2	18.6
168435 1998 VL_{21}	15.4	X	88.65876	128.75957	237.00139	10.66435	0.2114740	0.22510981	2.6763306	21	—	—
168436 1998 VH_{22}	15.8	X	358.00885	138.42227	251.84104	6.69666	0.2283965	0.21616384	2.7496707	21	12 13.6	18.3
168437 1998 VC_{23}	16.8	X	347.16837	175.82701	242.25598	2.02188	0.3131647	0.21651655	2.7466837	21	—	—
168438 1998 VT_{39}	15.4	X	54.54590	293.87457	59.76124	10.37165	0.1687068	0.21918634	2.7243342	21	—	—
168439 1998 VS_{52}	15.1	X	356.94063	301.10792	75.22526	25.02846	0.2136770	0.21388458	2.7691708	21	11 23.4	17.9
168440 1998 WT_{2}	15.8	X	67.13870	334.61615	51.98517	6.71137	0.0588293	0.22314620	2.6920083	21	—	—
168441 1998 WD_{3}	16.2	X	17.26874	271.67190	91.67148	8.66035	0.3164235	0.21691791	2.7432946	21	12 25.9	19.3
168442 1998 XO_{5}	15.9	X	138.10145	80.00496	86.89076	3.18682	0.0038492	0.20403511	2.8575869	21	8 4.6	19.7
168443 1998 XL_{9}	15.6	X	72.29373	40.66606	50.73460	5.70127	0.1852160	0.23001202	2.6381675	21	2 20.3	18.4
168444 1998 XX_{22}	15.9	X	285.66897	16.34648	65.63480	6.10096	0.1330157	0.21083703	2.7957916	21	10 10.1	19.4
168445 1998 YE_{8}	15.9	X	79.73115	8.37803	85.10144	7.76873	0.2784476	0.22902741	2.6457232	21	3 25.2	19.0
168446 1998 YM_{21}	16.1	X	102.29030	57.19666	278.76341	1.57932	0.0440297	0.21458778	2.7631178	21	—	—
168447 1999 AT_{1}	16.8	X	69.78054	50.02080	301.88660	4.56430	0.1920139	0.30247351	2.1979163	21	—	—
168448 1999 AE_{4}	14.9	X	316.70242	226.72679	251.01321	40.50826	0.2757897	0.21714077	2.7414172	21	—	—
168449 1999 AN_{13}	15.4	X	96.03082	107.21305	302.99866	12.85440	0.1673631	0.22400059	2.6851586	21	1 28.8	18.6
168450 1999 AD_{22}	15.6	X	46.50760	3.37927	65.79582	15.06042	0.2286849	0.22534174	2.6744940	21	—	—
168451 1999 CG_{43}	15.3	X	50.74093	128.36316	74.68848	2.64617	0.1738394	0.18665325	3.0323478	21	6 19.2	18.9
168452 1999 CC_{117}	15.4	X	71.76384	40.14490	166.79550	5.72513	0.1812970	0.18901122	3.0070755	21	7 25.7	19.5
168453 1999 CG_{130}	16.6	X	335.14214	291.89564	42.79322	2.51822	0.0776302	0.19883198	2.9072244	21	8 6.5	20.1
168454 1999 EB_{10}	15.5	X	116.97715	60.55805	341.29351	8.61944	0.1145814	0.17705662	3.1409518	21	2 16.9	19.9
168455 1999 FM_{1}	17.0	X	27.64880	312.89829	341.71525	6.92300	0.1174962	0.28250004	2.3003312	21	9 16.3	19.2
168456 1999 FC_{4}	16.2	X	3.85085	108.53587	317.70150	3.05728	0.1926682	0.21187848	2.7866226	21	—	—
168457 1999 FE_{5}	16.5	X	125.34206	29.11579	347.66344	6.76351	0.1071479	0.30656496	2.1783168	21	—	—
168458 1999 FK_{12}	15.2	X	242.19766	338.41910	12.04331	8.70213	0.0785533	0.18111657	3.0938357	21	4 21.7	19.9
168459 1999 FV_{20}	15.3	X	5.95356	135.93826	4.79477	11.61326	0.0753660	0.17310886	3.1885252	21	1 16.2	19.6
168460 1999 GM_{3}	16.5	X	82.93056	288.86468	14.75991	5.53280	0.2258516	0.28721546	2.2750844	21	12 23.7	20.1
168461 1999 HY_{4}	15.3	X	318.93023	230.52669	20.84458	6.30809	0.1522567	0.17765917	3.1338459	21	3 16.1	19.5
168462 1999 JT_{29}	16.7	X	121.91581	54.87819	214.60919	5.92235	0.1737097	0.28622198	2.2803459	21	12 13.2	20.2
168463 1999 JD_{47}	14.9	X	38.91261	110.53023	58.73597	5.99351	0.2241451	0.17744843	3.1363265	21	4 20.8	18.1
168464 1999 JR_{71}	16.6	X	224.18070	153.85922	83.33260	6.32944	0.1331867	0.29589707	2.2303633	21	—	—
168465 1999 JR_{89}	14.4	X	76.92746	87.54444	69.95644	22.56242	0.2063956	0.18208481	3.0828584	21	6 2.6	18.6
168466 1999 JM_{112}	15.2	X	352.96075	349.69803	216.40891	10.06276	0.1685318	0.17451893	3.1713270	21	3 4.3	19.1
168467 1999 JW_{127}	15.0	X	75.92560	147.86631	41.70431	13.06952	0.1208979	0.18412553	3.0600373	21	6 30.3	19.4
168468 1999 KK_{2}	17.1	X	41.27388	54.72343	202.21916	2.19152	0.1820701	0.27433273	2.3457639	21	8 23.7	19.5
168469 1999 KS_{10}	16.5	X	212.91928	97.11112	91.46443	6.56254	0.1034985	0.28873920	2.2670732	21	12 7.7	19.3
168470 1999 LT_{29}	16.8	X	239.76324	195.27722	70.90451	4.76135	0.0596861	0.29977902	2.2110670	21	—	—
168471 1999 LS_{30}	16.7	X	37.77494	226.80188	83.30413	5.63826	0.2068620	0.27837373	2.3230072	21	11 11.2	19.4
168472 1999 PQ_{4}	16.6	X	13.25103	248.85327	61.42010	2.74908	0.1633423	0.27051056	2.3678085	21	9 21.6	18.7
168473 1999 QU_{1}	16.1	X	329.72291	81.22937	296.48061	5.38831	0.2701823	0.26883794	2.3776195	21	9 22.6	17.5
168474 1999 RN_{3}	16.2	X	126.82454	142.37904	207.92056	4.80162	0.2504120	0.24308036	2.5427450	21	—	—
168475 1999 RN_{24}	16.7	X	314.05873	350.55266	23.42606	1.69275	0.1862366	0.26670275	2.3902925	21	8 19.1	18.7
168476 1999 RM_{30}	17.4	X	173.69735	122.65789	187.40716	22.03116	0.0418336	0.37825710	1.8935553	21	—	—
168477 1999 RE_{31}	17.0	X	40.18105	68.06688	356.24326	21.89937	0.1175089	0.37215235	1.9142069	21	—	—
168478 1999 RF_{60}	16.0	X	72.78999	97.59848	168.06948	10.99309	0.2436807	0.27482561	2.3429584	21	10 30.8	19.5
168479 1999 RQ_{62}	16.3	X	9.25143	5.95559	341.62268	2.41200	0.1970622	0.27284704	2.3542716	21	11 13.5	18.4
168480 1999 RJ_{81}	16.2	X	336.61057	301.61469	353.96003	5.75353	0.0961725	0.26242438	2.4162021	21	6 9.9	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168481 1999 RN_{85}	16.5	X	260.10776	220.84861	115.46247	2.34908	0.1903482	0.25723086	2.4486159	21	4 8.7	20.1
168482 1999 RD_{123}	16.8	X	325.51913	92.10602	238.13780	3.80972	0.1541463	0.26515291	2.3995978	21	7 6.1	18.9
168483 1999 RV_{124}	16.9	X	91.51372	76.46018	340.78600	5.43220	0.2900230	0.24281130	2.5446230	21	2 17.5	19.6
168484 1999 RP_{125}	15.7	X	268.04491	34.03369	325.44294	6.79601	0.2029710	0.26110188	2.4243541	21	5 11.9	19.4
168485 1999 RP_{134}	16.0	X	287.85146	21.74341	317.06042	6.67021	0.1885280	0.26208465	2.4182897	21	5 9.2	19.3
168486 1999 RS_{134}	16.1	X	298.59687	111.13515	309.35619	6.08304	0.1664943	0.27119490	2.3638235	21	9 29.5	18.5
168487 1999 RV_{138}	16.7	X	290.48767	93.27052	242.41230	2.32496	0.2393371	0.26197782	2.4189471	21	5 3.0	20.0
168488 1999 RZ_{147}	16.1	X	66.97180	198.13587	226.15929	4.01485	0.2679405	0.24114421	2.5563373	21	1 4.6	18.0
168489 1999 RM_{150}	17.0	X	234.06625	350.06851	0.05563	0.98951	0.2521784	0.25581966	2.4576127	21	3 28.9	21.1
168490 1999 RC_{152}	16.6	X	335.73993	311.81538	353.02906	5.10461	0.2295683	0.26509655	2.3999379	21	6 4.3	18.7
168491 1999 RT_{153}	15.8	X	131.31588	325.85095	324.43235	13.99182	0.1739687	0.23752191	2.5822618	21	—	—
168492 1999 RL_{159}	16.6	X	282.67861	297.61773	49.69177	2.13495	0.1918879	0.26165615	2.4209292	21	5 16.5	19.6
168493 1999 RQ_{163}	16.2	X	216.11457	155.74967	256.81147	1.85383	0.1670732	0.25939065	2.4350049	21	6 3.6	20.1
168494 1999 RE_{177}	16.4	X	236.94310	53.75069	340.55231	1.82207	0.1947217	0.25951521	2.4342257	21	5 28.8	20.1
168495 1999 RB_{188}	16.5	X	212.54101	307.13941	106.08328	2.26598	0.1858616	0.25840721	2.4411790	21	5 31.6	20.4
168496 1999 RN_{191}	16.5	X	7.85256	230.77809	112.14493	3.17229	0.2409966	0.27178923	2.3603762	21	11 13.3	18.4
168497 1999 RX_{207}	16.1	X	266.83724	126.04884	286.27333	5.92014	0.2509922	0.26310055	2.4120606	21	7 17.1	19.3
168498 1999 RG_{208}	15.5	X	38.77009	43.68267	323.43708	13.68037	0.1217299	0.23076813	2.6324017	21	—	—
168499 1999 RK_{223}	16.2	X	329.32236	29.61864	352.72435	8.09585	0.1791270	0.27127880	2.3633360	21	10 6.4	17.9
168500 1999 RJ_{249}	16.1	X	12.36660	238.80486	40.20177	4.92273	0.2201595	0.26608525	2.3939892	21	8 5.7	17.8
168501 1999 RQ_{249}	15.6	X	225.19486	154.66370	275.68437	10.40995	0.2413603	0.26169262	2.4207043	21	6 30.6	19.6
168502 1999 SS_{10}	16.7	X	355.85706	34.45705	328.75119	3.50106	0.2454811	0.27096288	2.3651726	21	11 17.1	18.4
168503 1999 TL_{8}	15.6	X	259.11506	343.79420	29.84946	9.98311	0.1859814	0.25889370	2.4381199	21	5 23.5	19.3
168504 1999 TL_{15}	17.4	X	176.46250	266.39212	177.22585	1.05469	0.1672206	0.25520109	2.4615823	21	6 6.7	21.2
168505 1999 TL_{37}	15.9	X	233.67451	283.83378	93.88387	7.58661	0.1982618	0.25584069	2.4574780	21	5 7.1	19.9
168506 1999 TQ_{50}	17.3	X	329.28636	82.15919	213.45142	0.88525	0.1833699	0.26198017	2.4189326	21	5 15.5	19.7
168507 1999 TC_{64}	17.3	X	237.94522	13.97967	358.33432	1.39478	0.1789209	0.25771189	2.4455680	21	5 2.5	21.1
168508 1999 TT_{68}	16.5	X	60.69552	94.43095	311.08671	2.31534	0.1541805	0.23653992	2.5894036	21	—	—
168509 1999 TU_{68}	16.4	X	324.29101	170.15591	345.48785	3.70354	0.0532068	0.23820272	2.5773391	21	—	—
168510 1999 TK_{81}	16.6	X	206.84314	118.43192	324.60943	3.67111	0.1755666	0.26045344	2.4283763	21	7 4.6	20.5
168511 1999 TH_{98}	15.8	X	276.98364	261.21518	86.11673	9.50740	0.1461873	0.25891743	2.4379709	21	5 18.3	19.0
168512 1999 TV_{104}	16.5	X	338.00193	76.26443	283.22869	1.96728	0.1541182	0.26731930	2.3866158	21	9 19.6	18.5
168513 1999 TE_{131}	16.9	X	283.52702	86.57652	344.58125	1.83347	0.1911764	0.26760416	2.3849218	21	9 16.6	19.3
168514 1999 TX_{134}	16.9	X	132.68242	132.17213	202.62506	7.97960	0.1764410	0.23949859	2.5680338	21	—	—
168515 1999 TY_{142}	16.8	X	266.93312	119.38221	224.93777	3.03693	0.2048868	0.25827920	2.4419856	21	4 22.9	20.5
168516 1999 TY_{159}	16.3	X	203.88763	163.41339	243.96867	2.40514	0.1649083	0.25641094	2.4538331	21	5 16.4	20.0
168517 1999 TJ_{166}	14.1	X	277.64663	130.20749	234.33904	10.50009	0.2000758	0.12496806	3.9622027	21	6 6.9	19.8
168518 1999 TX_{170}	16.7	X	155.31129	84.47816	354.50165	1.27215	0.1509228	0.25176954	2.4838990	21	5 10.0	20.4
168519 1999 TS_{193}	16.0	X	264.11317	122.29994	276.74459	5.61489	0.1321995	0.26064072	2.4272129	21	7 12.5	19.2
168520 1999 TV_{233}	14.9	X	251.51121	122.90355	279.50380	9.61781	0.2872847	0.12432458	3.9758627	21	6 16.6	21.1
168521 1999 TV_{236}	16.4	X	149.74932	277.15327	92.59457	7.42498	0.2433589	0.24395880	2.5366374	21	2 18.5	20.5
168522 1999 TM_{238}	16.5	X	89.19371	25.12681	45.34105	9.31645	0.1846711	0.24244251	2.5472029	21	2 18.7	19.6
168523 1999 TN_{242}	16.0	X	202.44197	256.47412	134.83727	6.03277	0.1312162	0.25213100	2.4815244	21	4 27.7	19.9
168524 1999 TO_{253}	16.8	X	344.98648	325.67411	313.08350	2.48179	0.1907025	0.26256999	2.4153087	21	5 19.5	18.7
168525 1999 TM_{259}	14.5	X	275.49404	334.96445	52.37661	3.58376	0.2683019	0.12553069	3.9503548	21	6 22.8	20.4
168526 1999 TG_{279}	16.8	X	124.54570	345.97390	334.92455	4.70403	0.2909396	0.23909613	2.5709148	21	—	—
168527 1999 TV_{318}	17.4	X	207.08744	123.56171	182.23947	1.11506	0.1184410	0.24414169	2.5353704	21	1 14.0	21.3
168528 1999 UA_{16}	16.1	X	224.56941	339.87541	77.13748	3.10519	0.2068033	0.25753295	2.4467007	21	6 15.2	19.8
168529 1999 UQ_{20}	16.4	X	112.40796	201.25888	193.83939	9.72454	0.1290163	0.24270162	2.5453896	21	1 20.3	19.8
168530 1999 UU_{33}	14.4	X	292.17212	318.43803	36.16313	2.74596	0.1842812	0.12450967	3.9719215	21	6 14.1	19.9
168531 Joshuakammer	17.0	X	276.31083	125.84491	40.35905	23.52217	0.0828804	0.36818306	1.9279400	21	—	—
168532 1999 VV_{21}	16.2	X	127.41790	145.18946	229.85491	4.42146	0.1651998	0.24012800	2.5635444	21	1 20.6	19.7
168533 1999 VQ_{39}	16.7	X	122.89956	319.42491	57.20847	6.07230	0.2538635	0.24002486	2.5642787	21	2 1.8	20.3
168534 1999 VW_{45}	15.8	X	216.93618	26.39698	351.25600	6.09658	0.1288376	0.25327354	2.4740559	21	4 19.9	19.6
168535 1999 VF_{65}	16.5	X	122.44563	1.40076	63.52949	0.87148	0.2317663	0.24469190	2.5315684	21	3 28.9	20.0
168536 1999 VU_{66}	16.3	X	232.03179	291.72810	52.06888	6.96603	0.2495719	0.25169670	2.4843781	21	3 23.3	20.6
168537 1999 VG_{68}	16.5	X	247.69065	297.16594	128.06378	0.67233	0.2076135	0.25972511	2.4329140	21	7 18.8	20.0
168538 1999 VA_{85}	16.8	X	157.56971	98.62189	52.67391	3.23198	0.1425760	0.25830268	2.4418376	21	8 16.7	20.5
168539 1999 VF_{89}	17.0	X	244.76559	235.45519	201.07136	1.44563	0.1971789	0.26039906	2.4287143	21	7 31.6	20.6
168540 1999 VT_{95}	14.9	X	341.39600	149.42720	34.40047	10.50495	0.0530514	0.24391836	2.5369177	21	1 22.5	18.3
168541 1999 VY_{99}	17.5	X	141.42427	303.71583	67.75212	0.83294	0.2018216	0.24229468	2.5482388	21	2 6.5	21.1
168542 1999 VL_{123}	15.8	X	146.19775	353.68342	213.93391	4.84147	0.0076181	0.21996456	2.7179048	21	10 7.6	19.5
168543 1999 VL_{128}	16.7	X	353.95389	198.26675	40.62420	3.16067	0.0085595	0.25132674	2.4868156	21	4 24.9	19.9
168544 1999 VE_{149}	16.0	X	162.28505	261.95828	82.37733	5.48729	0.1097504	0.24043270	2.5613781	21	1 16.5	19.6
168545 1999 VE_{169}	14.3	X	268.76169	339.76379	48.98741	4.45433	0.2690397	0.12238532	4.0177523	21	6 17.6	20.3
168546 1999 VA_{189}	16.0	X	247.43775	290.02985	102.79276	4.22918	0.1822764	0.25708447	2.4495453	21	6 8.4	19.6
168547 1999 VK_{191}	16.9	X	32.82881	256.97932	230.67905	4.42449	0.1777316	0.23885742	2.5726274	21	1 15.6	19.4
168548 1999 VH_{194}	16.6	X	332.50714	216.11814	259.23726	18.48959	0.0853896	0.36970982	1.9226286	21	—	—
168549 1999 VR_{209}	15.8	X	67.12920	164.23982	260.44969	5.39954	0.1540225	0.23876762	2.5732724	21	—	—
168550 1999 VQ_{212}	14.6	X	322.59437	113.40936	234.45331	7.45328	0.1508683	0.12467252	3.9684620	21	7 22.1	19.7
168551 1999 WH_{4}	16.6	X	309.73418	319.59328	73.05054	2.60743	0.1884838	0.26564266	2.3966475	21	9 9.6	18.6
168552 1999 WV_{7}	16.2	X	42.46947	186.94970	264.02760	19.69759	0.1363194	0.37079931	1.9188607	21	—	—
168553 1999 WF_{9}	15.4	X	217.90138	87.29023	309.78941	10.90188	0.1788925	0.25338407	2.4733363	21	5 12.7	19.6
168554 1999 WS_{13}	15.1	X	196.25373	51.54176	65.08090	24.09069	0.3284731	0.25655542	2.4529117	21	8 7.6	20.1
168555 1999 WY_{17}	16.9	X	199.39306	243.80094	208.53377	0.70391	0.1518844	0.25698826	2.4501567	21	7 10.0	20.7
168556 1999 WJ_{24}	16.1	X	24.50065	235.11089	215.54423	5.36739	0.1925549	0.23377050	2.6098142	21	—	—
168557 1999 XF_{6}	14.3	X	292.77074	136.18057	235.10578	1.88384	0.2367399	0.12379454	3.9872035	21	6 27.6	19.6
168558 1999 XX_{16}	16.2	X	299.19812	327.02274	259.52284	23.89865	0.0670813	0.37565686	1.9022832	21	—	—
168559 1999 XE_{26}	15.9	X	227.45444	199.62127	231.55061	7.61437	0.2187564	0.25864740	2.4396675	21	7 4.4	20.0
168560 1999 XK_{27}	16.6	X	51.43584	321.81410	157.88402	1.44136	0.2988226	0.23901677	2.5714838	21	2 27.7	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168561 1999 XP_{27}	15.7	X	309.39550	267.78117	64.61695	5.65256	0.2109838	0.25971721	2.4329633	21	5 30.6	18.3
168562 1999 XM_{39}	15.3	X	344.43938	135.34978	223.91537	7.73790	0.1045410	0.21825614	2.7320695	21	9 22.6	18.6
168563 1999 XR_{77}	15.5	X	69.62800	2.77280	91.54665	14.20168	0.2106483	0.23814952	2.5777230	21	2 24.1	18.3
168564 1999 XM_{85}	15.4	X	29.51615	178.68903	279.97267	12.10428	0.1287687	0.23237587	2.6202458	21	—	—
168565 1999 XL_{86}	15.5	X	13.29578	30.60045	93.67367	14.91229	0.1992802	0.23225921	2.6211231	21	—	—
168566 1999 XE_{94}	15.1	X	347.46462	65.35080	102.38869	17.33150	0.2030131	0.23198669	2.6231754	21	—	—
168567 1999 XH_{94}	15.8	X	44.92196	173.79993	280.88569	4.49203	0.2395518	0.23342900	2.6123589	21	—	—
168568 1999 XP_{119}	15.9	X	204.07843	41.00677	44.79308	9.36561	0.1804656	0.25623012	2.4549874	21	7 5.6	19.9
168569 1999 XY_{130}	15.5	X	76.18194	78.12370	294.52679	12.32495	0.1937641	0.23255269	2.6189174	21	—	—
168570 1999 XU_{132}	15.5	X	109.13270	330.58850	33.04666	8.41103	0.2079928	0.23439827	2.6051523	21	—	—
168571 1999 XB_{136}	16.6	X	48.75137	75.56959	306.27947	17.87846	0.1667986	0.36537083	1.9378202	21	—	—
168572 1999 XS_{141}	16.1	X	12.73029	58.88792	92.88759	22.39282	0.0474319	0.37296815	1.9114145	21	—	—
168573 1999 XZ_{141}	16.3	X	121.65554	114.93854	272.17592	19.14046	0.0638722	0.37587272	1.9015548	21	—	—
168574 1999 XD_{142}	15.8	X	54.04739	68.70882	57.64297	17.21797	0.2189915	0.23967460	2.5667764	21	3 18.4	18.6
168575 1999 XL_{142}	16.5	X	189.05364	29.70714	284.94303	19.56864	0.0462324	0.37334808	1.9101176	21	—	—
168576 1999 XM_{142}	16.4	X	340.94075	112.82948	74.93036	23.34762	0.0609337	0.37453453	1.9060815	21	—	—
168577 1999 XO_{142}	15.9	X	23.38477	63.72910	79.19623	31.12872	0.2037404	0.23561383	2.5961844	21	1 18.1	18.8
168578 1999 XJ_{179}	15.7	X	5.49726	17.66870	68.92369	12.83458	0.1501738	0.22697184	2.6616732	21	—	—
168579 1999 XG_{182}	15.5	X	17.03086	49.00430	43.11726	14.09723	0.1494922	0.23272790	2.6176028	21	—	—
168580 1999 XS_{208}	15.7	X	141.18122	107.26762	301.38956	11.23664	0.2979625	0.24484006	2.5305469	21	3 26.3	20.2
168581 1999 XO_{216}	16.3	X	141.91386	72.83301	283.41306	1.39846	0.0851027	0.23409271	2.6074188	21	1 5.8	19.9
168582 1999 XP_{228}	16.3	X	285.94288	222.02010	84.92026	3.59063	0.1426365	0.24586298	2.5235231	21	4 6.4	19.7
168583 1999 XJ_{231}	16.2	X	25.86607	135.55141	348.14030	19.62928	0.0606556	0.36948287	1.9234158	21	—	—
168584 1999 XN_{233}	16.5	X	140.64991	255.74291	139.70185	10.67730	0.3094407	0.24417788	2.5351199	21	3 19.7	20.7
168585 1999 XJ_{236}	16.0	X	113.08215	301.66441	93.00093	7.06809	0.2618842	0.23757593	2.5818703	21	2 14.9	19.6
168586 1999 YN_{1}	16.9	X	277.20644	44.79358	48.05220	22.59882	0.0966359	0.35504971	1.9751948	21	11 10.9	18.4
168587 1999 YM_{6}	16.5	X	36.10438	204.88990	299.61258	19.28934	0.1145764	0.37657881	1.8991771	21	1 7.3	17.5
168588 1999 YN_{19}	16.7	X	45.71165	154.56443	293.17160	3.47610	0.2170432	0.23301909	2.6154216	21	—	—
168589 1999 YU_{27}	15.0	X	174.27053	32.76871	16.91502	12.78231	0.2206339	0.24655187	2.5188203	21	4 22.4	19.3
168590 2000 AE_{9}	16.3	X	79.93709	78.68666	17.84211	4.47568	0.1526989	0.23911655	2.5707684	21	3 4.1	19.2
168591 2000 AF_{16}	15.2	X	14.07709	118.76051	275.97720	12.35213	0.2556442	0.22632541	2.6667390	21	—	—
168592 2000 AY_{24}	16.1	X	5.59495	248.30127	278.40994	2.59549	0.1399716	0.23612435	2.5924409	21	1 23.7	18.9
168593 2000 AS_{28}	15.9	X	91.78054	309.94267	89.97040	8.50472	0.2282680	0.23523951	2.5989377	21	1 16.8	18.7
168594 2000 AV_{31}	15.7	X	318.05627	194.35073	313.05831	12.82730	0.1858229	0.22703921	2.6611466	21	—	—
168595 2000 AP_{35}	15.8	X	69.74890	138.21600	284.79797	4.19590	0.1527882	0.23449991	2.6043994	21	—	—
168596 2000 AV_{42}	15.3	X	64.58502	316.88766	123.41327	34.75507	0.3440987	0.23471516	2.6028069	21	2 10.0	17.3
168597 2000 AW_{47}	15.7	X	100.33224	331.61942	106.58864	5.32177	0.2391537	0.23821226	2.5772704	21	3 24.6	19.1
168598 2000 AG_{49}	16.6	X	344.27881	275.72275	272.09117	17.82656	0.0847338	0.37394143	1.9080965	21	—	—
168599 2000 AY_{63}	16.0	X	41.99991	325.60801	118.33579	6.67360	0.1902909	0.23099973	2.6306419	21	—	—
168600 2000 AA_{69}	16.1	X	219.26233	334.20147	103.68267	7.04430	0.1859470	0.25651901	2.4531438	21	7 8.8	19.9
168601 2000 AD_{74}	15.9	X	205.90262	277.73931	145.32070	5.21461	0.2492362	0.25348535	2.4726775	21	6 6.0	20.2
168602 2000 AA_{88}	15.5	X	6.81617	30.98181	122.33139	19.60336	0.1533247	0.23346470	2.6120926	21	1 7.1	18.3
168603 2000 AH_{126}	16.4	X	71.12657	68.69223	288.31705	16.79745	0.1500453	0.36161318	1.9512214	21	—	—
168604 2000 AJ_{133}	15.0	X	19.20087	80.61067	73.93898	17.19566	0.2243088	0.23222780	2.6213595	21	1 29.9	17.6
168605 2000 AG_{134}	15.2	X	142.74776	58.64807	284.47084	12.29196	0.2045963	0.23488647	2.6015413	21	1 5.4	19.1
168606 2000 AS_{154}	15.4	X	126.77997	110.80377	295.65807	5.11245	0.1123684	0.24240189	2.5474874	21	2 20.7	18.9
168607 2000 AV_{167}	15.6	X	96.37767	182.67158	248.82381	13.96486	0.0815456	0.23691696	2.5866556	21	2 5.1	19.1
168608 2000 AA_{176}	15.9	X	64.43349	195.84904	250.53099	11.85052	0.1934464	0.23640062	2.5904207	21	1 21.3	18.6
168609 2000 AO_{181}	15.9	X	36.64431	184.03681	269.79194	13.19057	0.2329650	0.23265500	2.6181496	21	—	—
168610 2000 AD_{196}	15.6	X	322.65971	206.53333	231.87527	9.89052	0.1871221	0.22052956	2.7132606	21	12 5.7	18.1
168611 2000 AJ_{214}	16.2	X	251.87553	356.11252	170.27120	1.37950	0.1186357	0.22005078	2.7171948	21	12 12.3	19.6
168612 2000 AP_{229}	15.5	X	186.16421	129.94122	75.36024	10.29997	0.1110151	0.21774780	2.7363199	21	11 18.1	19.7
168613 2000 AA_{246}	16.7	X	32.37466	336.15307	9.22696	2.73483	0.1901690	0.27651564	2.3334021	21	12 17.3	19.5
168614 2000 BW_{6}	16.0	X	220.32176	35.19673	21.32347	14.86085	0.0940923	0.25245395	2.4794077	21	6 16.4	19.9
168615 2000 BC_{12}	16.0	X	97.57055	284.11207	123.45252	2.33093	0.0828018	0.23407617	2.6075416	21	1 13.3	19.2
168616 2000 BN_{21}	15.8	X	75.90011	324.48995	312.66745	8.05983	0.1317400	0.21086854	2.7955130	21	10 20.4	20.0
168617 2000 BH_{26}	16.4	X	14.01873	177.93157	336.84192	5.36803	0.2246311	0.23339809	2.6125896	21	1 15.2	18.8
168618 2000 BT_{26}	16.1	X	326.78491	34.58533	119.64517	3.69117	0.1754354	0.22723314	2.6596323	21	—	—
168619 2000 BB_{40}	15.6	X	101.24442	12.78817	307.13568	4.42950	0.0544491	0.22041778	2.7141778	21	—	—
168620 2000 BD_{41}	16.3	X	279.79614	128.16719	306.81918	1.90404	0.0439307	0.21291538	2.7775680	21	10 1.7	20.1
168621 2000 CD_{2}	15.7	X	84.79986	35.25534	88.60636	4.63201	0.2008828	0.23876872	2.5732645	21	4 26.8	18.8
168622 2000 CA_{14}	16.0	X	314.85202	294.48855	220.14684	4.50761	0.2203072	0.22618832	2.6678164	21	—	—
168623 2000 CU_{15}	16.0	X	31.31434	330.08723	128.61675	15.53559	0.1258563	0.23168400	2.6254597	21	—	—
168624 2000 CW_{22}	16.2	X	342.06433	269.84210	239.07893	3.44662	0.1921033	0.22867524	2.6484389	21	—	—
168625 2000 CN_{28}	16.2	X	130.32736	188.39543	248.06152	2.52240	0.2542033	0.24165331	2.5527457	21	4 21.9	20.2
168626 2000 CE_{55}	16.5	X	324.69232	143.14228	354.94286	1.94162	0.1478461	0.22618786	2.6678200	21	—	—
168627 2000 CO_{65}	15.2	X	142.02537	309.70358	147.70757	12.89124	0.1623030	0.19759709	2.9193244	21	5 27.1	20.0
168628 2000 CU_{66}	15.4	X	302.00689	332.09791	240.54913	11.05036	0.1046107	0.23148929	2.6269317	21	—	—
168629 2000 CB_{69}	15.9	X	121.60840	321.39952	312.98542	3.51505	0.1084063	0.21637299	2.7478985	21	12 5.9	20.1
168630 2000 CO_{83}	15.7	X	313.25851	1.30891	123.21523	7.52344	0.1680373	0.22237971	2.6981905	21	—	—
168631 2000 CG_{84}	15.6	X	334.30756	328.73542	147.03845	12.85493	0.1984900	0.22437157	2.6821980	21	—	—
168632 2000 CB_{88}	16.3	X	12.84908	57.67440	67.21847	3.06120	0.1621971	0.22954503	2.6417443	21	—	—
168633 2000 CE_{101}	16.1	X	337.93143	91.12207	99.46913	1.17307	0.1173352	0.23407017	2.6075862	21	1 16.5	19.1
168634 2000 CM_{101}	15.7	X	258.38046	186.56005	347.77124	9.68865	0.1484754	0.21817340	2.7327601	21	12 26.9	19.3
168635 Davidkaufmann	16.8	X	104.20781	71.28639	182.86839	0.60706	0.0343122	0.21135565	2.7912162	21	10 16.9	20.6
168636 2000 CV_{135}	16.3	X	306.93778	288.34556	172.02436	4.03437	0.0592499	0.21731696	2.7399353	21	12 12.3	19.7
168637 2000 CC_{137}	16.3	X	21.95496	104.79096	321.44404	2.11189	0.1007066	0.22662477	2.6643900	21	—	—
168638 Waltersiegmund	16.3	X	119.31874	290.51707	349.28132	2.40267	0.0926610	0.21255686	2.7806904	21	12 8.8	20.5
168639 2000 DC_{9}	16.0	X	168.92077	98.00000	150.80891	7.77250	0.1704853	0.21697534	2.7428104	21	12 19.5	20.6
168640 2000 DM_{10}	16.5	X	131.21022	348.03025	296.90549	0.99634	0.0444724	0.21884718	2.7271482	21	12 27.3	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168641 2000 DA_{11}	16.1	X	350.69088	164.27674	337.93614	2.78334	0.0937833	0.22869583	2.6482799	21	—	—
168642 2000 DT_{36}	15.7	X	62.50721	154.12717	148.41278	4.08942	0.0339859	0.21141123	2.7907270	21	10 28.0	19.5
168643 2000 DP_{40}	15.6	X	334.38398	276.39130	166.46957	5.67940	0.0761436	0.21925269	2.7237846	21	12 30.1	19.0
168644 2000 DY_{41}	16.0	X	195.90457	80.92780	151.01596	7.06776	0.1471147	0.21758502	2.7376844	21	12 25.4	20.3
168645 2000 DU_{48}	16.4	X	280.81784	240.68714	312.23043	1.48784	0.0228397	0.22536223	2.6743318	21	—	—
168646 2000 DE_{54}	15.5	X	50.21434	68.92145	324.12208	5.18470	0.0390653	0.22136746	2.7064096	21	—	—
168647 2000 DF_{54}	15.5	X	67.87804	168.31955	166.68816	13.41671	0.0775800	0.21570302	2.7535855	21	12 20.0	19.7
168648 2000 DZ_{56}	16.1	X	142.58859	309.16821	182.00718	2.49870	0.0857464	0.24587830	2.5234183	21	6 29.9	19.7
168649 2000 DD_{60}	15.5	X	310.14313	51.05732	162.65167	10.46645	0.0422516	0.18414942	3.0597725	21	1 29.0	19.8
168650 2000 DN_{63}	15.6	X	204.75571	213.74805	311.70697	3.21322	0.0429430	0.21124741	2.7921696	21	10 21.9	19.7
168651 2000 DL_{67}	16.1	X	2.51614	116.43344	337.67702	11.55182	0.2188544	0.22538948	2.6741163	21	—	—
168652 2000 DH_{68}	15.5	X	194.58291	186.92952	347.96232	9.09711	0.0783423	0.21089173	2.7953081	21	10 17.4	19.7
168653 2000 DJ_{82}	16.0	X	296.21532	87.71511	96.71698	4.09241	0.0944699	0.22653996	2.6650550	21	—	—
168654 2000 DP_{83}	16.1	X	200.85360	163.83849	357.92435	7.91110	0.1552541	0.21159464	2.7891141	21	10 4.4	20.4
168655 2000 DV_{84}	16.0	X	275.26906	93.80675	53.03505	4.39294	0.0678310	0.22050526	2.7134600	21	12 26.5	19.4
168656 2000 DV_{105}	15.5	X	278.83321	41.87889	115.44023	6.08241	0.0982844	0.21960093	2.7209043	21	—	—
168657 2000 ED_{10}	16.5	X	40.01131	242.18488	278.66625	1.18344	0.0622270	0.23527890	2.5986476	21	3 17.0	19.4
168658 2000 EK_{18}	16.0	X	201.38331	162.83705	353.99857	8.82627	0.1339938	0.21087906	2.7954200	21	9 30.1	20.4
168659 2000 EH_{22}	16.1	X	138.74984	89.98118	154.19944	5.48394	0.1181270	0.21386698	2.7693227	21	11 18.3	20.5
168660 2000 EN_{33}	15.3	X	177.16708	65.61850	139.15690	13.20590	0.0880455	0.21205768	2.7850524	21	11 11.8	19.8
168661 2000 EA_{53}	15.8	X	26.35463	235.74635	166.88986	4.15378	0.0889877	0.21967797	2.7202681	21	—	—
168662 2000 EH_{89}	15.4	X	149.76253	78.61397	128.58235	9.77312	0.0865019	0.20888592	2.8131740	21	10 16.9	19.8
168663 2000 EM_{104}	14.9	X	330.15562	65.49942	78.75926	12.42584	0.2072729	0.22429030	2.6828458	21	—	—
168664 2000 EC_{110}	16.1	X	303.02827	150.06111	16.62172	9.53272	0.2304640	0.22331662	2.6906385	21	—	—
168665 2000 EJ_{113}	16.7	X	26.21050	89.99135	27.45047	6.21534	0.2545405	0.23147523	2.6270380	21	—	—
168666 2000 EV_{118}	15.7	X	303.31641	109.26904	23.31939	11.89660	0.1000040	0.22148217	2.7054751	21	—	—
168667 2000 EF_{141}	16.4	X	331.90743	100.72870	341.79570	2.93654	0.0471538	0.21810473	2.7333337	21	12 25.2	19.8
168668 2000 EK_{149}	15.7	X	244.94254	55.00139	131.45404	5.77864	0.0462142	0.21974612	2.7197056	21	—	—
168669 2000 ED_{153}	15.4	X	104.77778	43.21917	174.73358	13.85917	0.0463560	0.20333597	2.8641334	21	8 31.5	19.5
168670 2000 ED_{164}	16.1	X	327.27054	126.72608	341.88380	2.14235	0.0823770	0.21997771	2.7177964	21	—	—
168671 2000 EH_{176}	16.3	X	30.50704	50.09318	231.63623	0.94235	0.0625270	0.20242741	2.8726971	21	8 18.9	19.9
168672 2000 EV_{181}	15.8	X	286.25586	96.62158	32.58069	9.81917	0.1695742	0.21879881	2.7275501	21	12 5.2	18.9
168673 2000 EX_{198}	16.2	X	16.81828	134.26785	289.63711	1.14239	0.0777712	0.22337019	2.6902083	21	—	—
168674 2000 FC	15.7	X	139.12938	169.69938	247.44929	4.42312	0.2679465	0.23822129	2.5772052	21	4 6.4	19.9
168675 2000 FX_{1}	15.7	X	267.82681	175.40156	115.29393	0.28953	0.1486092	0.18325592	3.0697102	21	3 2.3	20.4
168676 2000 FN_{3}	15.6	X	239.17354	89.79977	107.42287	7.90389	0.1997220	0.21751243	2.7382935	21	12 22.9	19.3
168677 2000 FP_{4}	16.1	X	349.26295	190.58502	210.24355	3.77263	0.0727834	0.21130258	2.7916835	21	11 26.4	19.5
168678 2000 FC_{5}	15.6	X	6.97840	26.27845	18.21342	5.79624	0.0681248	0.21404960	2.7677473	21	12 26.7	19.2
168679 2000 FU_{7}	15.0	X	131.40981	35.09728	86.83529	31.67638	0.1673134	0.24201453	2.5502049	21	6 13.8	19.0
168680 2000 FU_{12}	15.6	X	101.54482	1.87962	112.05331	12.92990	0.1788073	0.23894534	2.5719963	21	5 6.3	19.4
168681 2000 FP_{19}	15.5	X	248.32939	47.10525	128.04458	8.07080	0.1379700	0.21663835	2.7456541	21	12 15.8	19.2
168682 2000 FN_{54}	15.9	X	88.40407	343.76856	237.19739	1.04912	0.0342605	0.19959617	2.8997991	21	8 13.7	20.0
168683 2000 FE_{69}	15.8	X	22.89656	45.84260	19.15827	3.21491	0.2092335	0.22065151	2.7122608	21	—	—
168684 2000 FD_{72}	15.5	X	59.65677	344.72752	357.30300	8.51062	0.0730982	0.21402303	2.7679764	21	12 16.9	19.5
168685 2000 GM_{12}	14.7	X	245.69144	57.42581	190.12397	14.10028	0.2480895	0.17514411	3.1637757	21	—	—
168686 2000 GH_{19}	16.0	X	331.03309	228.45734	213.73612	3.58464	0.0424955	0.21464788	2.7626020	21	12 22.4	19.4
168687 2000 GP_{19}	16.3	X	71.15065	229.24314	243.53142	1.02751	0.1568290	0.23295006	2.6159383	21	3 11.7	19.1
168688 2000 GN_{29}	15.5	X	283.14863	117.60913	11.56396	14.71300	0.0877137	0.21449227	2.7639379	21	12 8.5	19.3
168689 2000 GM_{30}	15.7	X	1.80959	238.65334	198.33155	2.29725	0.0643351	0.21762122	2.7373808	21	—	—
168690 2000 GL_{37}	15.5	X	141.94974	211.02327	191.19793	6.74652	0.0732902	0.18424997	3.0586592	21	3 9.1	19.9
168691 2000 GT_{46}	15.4	X	324.80348	333.60060	259.25237	0.39154	0.0773949	0.18425691	3.0585824	21	3 8.5	19.3
168692 2000 GY_{56}	15.3	X	300.22681	125.70508	28.65148	14.78139	0.1337139	0.21908284	2.7251922	21	—	—
168693 2000 GV_{59}	15.6	X	199.24399	150.94242	41.30819	5.28640	0.2172053	0.21020992	2.8013492	21	11 5.2	20.2
168694 2000 GN_{66}	15.5	X	18.91277	227.67350	356.12575	2.27847	0.1019485	0.18953181	3.0015666	21	5 15.8	19.2
168695 2000 GT_{118}	16.5	X	324.64343	269.04515	195.41942	4.54460	0.0752077	0.21861898	2.7290457	21	—	—
168696 2000 GY_{119}	16.3	X	337.62308	342.35910	8.32350	1.78013	0.0942207	0.20203876	2.8763800	21	8 31.5	19.7
168697 2000 GQ_{122}	15.3	X	266.44123	82.49329	200.90913	10.93328	0.2724633	0.18042076	3.1017851	21	2 6.9	20.6
168698 Robpickman	16.1	X	242.84802	304.06499	237.08943	3.63280	0.0969799	0.21604816	2.7506521	21	12 21.4	19.9
168699 2000 GO_{144}	17.5	X	256.84235	116.09646	208.10705	2.12828	0.1383143	0.32488566	2.0956352	21	3 16.1	20.4
168700 2000 GE_{147}	8.3	X	25.46515	50.64874	154.85151	4.99044	0.2310620	0.00397565	39.4636274	21	5 28.1	23.3
168701 2000 GU_{159}	15.6	X	155.23938	280.75924	236.87852	5.13799	0.1316335	0.20107480	2.8855656	21	8 16.1	20.2
168702 2000 GC_{175}	15.9	X	93.40613	166.68522	299.72422	4.99138	0.2874499	0.23677820	2.5876661	21	4 24.4	19.5
168703 2000 GP_{183}	6.0	X	356.00602	222.76634	23.45993	4.92514	0.0777433	0.00391180	39.8919422	21	5 21.7	21.7
168704 2000 GA_{186}	15.4	X	294.09209	68.77414	173.14043	0.35668	0.1043339	0.18061349	3.0995781	21	2 6.1	19.7
168705 2000 HN	16.0	X	295.10288	283.81819	194.79490	7.06461	0.0903661	0.21395130	2.7685950	21	12 15.2	19.4
168706 2000 HE_{1}	16.1	X	214.88141	276.75501	42.46276	1.41109	0.1373585	0.17722516	3.1389601	21	2 16.4	21.0
168707 2000 HR_{6}	15.4	X	333.97843	201.46012	41.58096	11.52540	0.2099781	0.18394025	3.0620917	21	3 22.0	19.2
168708 2000 HJ_{10}	15.4	X	338.14472	108.36811	49.83451	15.32753	0.2483479	0.22427140	2.6829966	21	—	—
168709 2000 HS_{34}	15.6	X	285.60638	105.30099	34.51674	9.66598	0.1043278	0.21506844	2.7589993	21	12 26.9	19.1
168710 2000 HE_{41}	16.2	X	199.63094	204.49998	103.58215	9.42004	0.2487856	0.31222409	2.1519150	21	1 5.2	19.7
168711 2000 HM_{74}	14.6	X	236.69837	108.90913	86.14533	26.58411	0.2594568	0.21549951	2.7553188	21	12 10.7	18.8
168712 2000 HY_{79}	15.1	X	240.81611	85.88415	74.96238	25.48828	0.1462902	0.21163601	2.7887506	21	11 20.7	19.2
168713 2000 HN_{86}	17.1	X	205.87906	223.17865	77.35628	5.11093	0.2801438	0.31186491	2.1535669	21	1 2.5	20.7
168714 2000 JQ_{10}	16.9	X	98.12098	100.83082	223.43752	4.71460	0.3030701	0.29991764	2.2103856	21	—	—
168715 2000 JF_{16}	15.5	X	340.51745	131.42329	103.60409	2.71566	0.1914792	0.18466292	3.0540976	21	3 21.1	19.0
168716 2000 JK_{41}	15.3	X	271.82734	254.31430	38.55719	16.89056	0.2139829	0.18141043	3.0904938	21	3 10.7	20.4
168717 2000 JP_{59}	15.2	X	223.08277	273.80897	272.29085	7.67413	0.2298346	0.21258865	2.7804132	21	11 17.1	19.6
168718 2000 JM_{73}	15.3	X	299.38365	128.01433	93.44290	12.62326	0.2121777	0.22405327	2.6847377	21	—	—
168719 2000 KF_{7}	15.0	X	298.29729	191.77875	92.70665	12.03136	0.0969685	0.18294526	3.0731843	21	4 11.3	19.4
168720 2000 KB_{12}	15.4	X	221.83407	250.76314	52.86691	9.47322	0.2046624	0.17443191	3.1723816	21	2 6.1	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168721 2000 KB_{45}	15.3	X	286.42710	214.37694	85.54252	14.86418	0.1307370	0.18372262	3.0645095	21	4 12.5	19.9
168722 2000 LH	15.4	X	27.79378	168.42979	101.58264	4.33347	0.0463622	0.19323975	2.9630461	21	7 29.0	19.2
168723 2000 OR_{9}	16.9	X	88.25381	40.33617	258.59295	4.24217	0.1735151	0.29279105	2.2461091	21	12 19.8	20.3
168724 2000 OG_{10}	14.7	X	246.76273	349.96472	290.24013	13.76017	0.1668758	0.17158748	3.2073448	21	1 27.7	19.9
168725 2000 OH_{16}	16.5	X	112.07368	348.40055	326.84861	4.97739	0.1656205	0.29758525	2.2219202	21	—	—
168726 2000 OP_{29}	16.3	X	214.73151	94.70681	190.23075	5.17244	0.1979759	0.30857413	2.1688509	21	—	—
168727 2000 OJ_{30}	16.7	X	85.86058	45.48621	242.22136	4.20159	0.1570272	0.29183650	2.2510042	21	12 1.9	20.0
168728 2000 OZ_{33}	16.8	X	298.00540	108.78991	259.76578	4.46616	0.3086814	0.27858517	2.3218316	21	6 17.0	19.2
168729 2000 OA_{44}	16.5	X	120.28747	22.55740	291.54613	6.02014	0.2456983	0.29733786	2.2231524	21	—	—
168730 2000 OX_{51}	17.0	X	54.24471	98.79494	219.07628	6.81867	0.3031221	0.28912018	2.2650812	21	12 22.8	20.4
168731 2000 OF_{55}	16.9	X	202.59774	350.53864	312.38454	1.61709	0.0845815	0.30838108	2.1697560	21	—	—
168732 2000 OT_{55}	17.1	X	95.85038	196.65159	159.15295	3.02137	0.2093564	0.29899696	2.2149208	21	—	—
168733 2000 PD_{2}	16.7	X	301.50102	354.64597	329.60671	9.87040	0.2380843	0.27539664	2.3397186	21	4 25.8	20.0
168734 2000 PB_{28}	16.8	X	176.20596	171.96372	116.70155	4.44399	0.1758699	0.30460860	2.1876337	21	—	—
168735 2000 QX_{7}	17.0	X	82.06647	62.58764	261.95511	2.35805	0.2575752	0.29284010	2.2458583	21	—	—
168736 2000 QF_{22}	16.6	X	104.98138	169.00105	164.32388	5.03329	0.1837003	0.29596185	2.2300378	21	—	—
168737 2000 QT_{32}	16.4	X	162.16264	198.18256	105.63687	8.19748	0.1755794	0.30190600	2.2006698	21	—	—
168738 2000 QN_{47}	16.2	X	107.78882	20.52798	343.70263	4.96949	0.1456127	0.30056847	2.2071937	21	—	—
168739 2000 QG_{57}	16.5	X	165.56400	131.52815	136.23833	4.96481	0.1561679	0.29858785	2.2169435	21	—	—
168740 2000 QG_{81}	16.4	X	341.55406	311.80681	171.52319	7.35173	0.0755213	0.29931654	2.2133439	21	—	—
168741 2000 QZ_{88}	16.5	X	174.08795	50.50250	237.01751	4.68972	0.2066530	0.30190127	2.2006928	21	—	—
168742 2000 QY_{92}	16.6	X	242.42107	37.28273	326.40221	5.99033	0.1213914	0.26994586	2.3711095	21	4 27.1	20.1
168743 2000 QO_{97}	16.5	X	151.70476	117.67186	153.94692	5.96537	0.1870781	0.29615477	2.2290693	21	—	—
168744 2000 QB_{102}	16.8	X	52.17972	255.51887	114.82490	6.78433	0.1746575	0.29221989	2.2490349	21	—	—
168745 2000 QJ_{102}	16.5	X	352.61408	250.84245	73.40610	4.58996	0.2051684	0.28020554	2.3128718	21	9 3.4	17.9
168746 2000 QY_{118}	16.4	X	132.72662	14.38971	298.76569	5.14316	0.1879664	0.29788448	2.2204320	21	—	—
168747 2000 QY_{121}	16.1	X	70.91743	44.94109	248.52710	5.59116	0.1439870	0.28682517	2.2771477	21	11 20.8	19.2
168748 2000 QB_{124}	15.9	X	116.92566	321.16322	24.11558	6.33586	0.2054432	0.29764913	2.2216022	21	—	—
168749 2000 QA_{158}	14.6	X	183.31106	150.96409	267.19251	10.24616	0.2098871	0.17370655	3.1812069	21	5 14.2	20.1
168750 2000 QZ_{162}	15.0	X	298.06346	69.83388	279.87938	8.87289	0.1262059	0.18308988	3.0715658	21	6 23.5	19.1
168751 2000 QP_{174}	16.8	X	162.62016	126.96704	198.63511	5.56365	0.0764075	0.30388930	2.1910844	21	—	—
168752 2000 QQ_{174}	15.3	X	17.95760	46.87566	304.83075	9.60421	0.0361350	0.19278884	2.9676644	21	10 23.5	19.5
168753 2000 QE_{185}	17.0	X	12.28660	266.12349	110.73818	4.53463	0.2154007	0.28912411	2.2650607	21	—	—
168754 2000 QM_{190}	16.5	X	107.47021	236.76350	73.83143	5.32880	0.1433028	0.29512178	2.2342677	21	—	—
168755 2000 QY_{190}	16.8	X	232.61798	229.25464	60.58235	4.64510	0.1825637	0.30966307	2.1637634	21	1 9.0	20.1
168756 2000 QJ_{199}	16.8	X	47.02823	34.70552	1.09688	5.59633	0.1554033	0.29561876	2.2317629	21	—	—
168757 2000 QV_{200}	16.6	X	52.14023	353.22105	357.07118	7.80359	0.1583271	0.29157088	2.2523711	21	—	—
168758 2000 QH_{202}	16.9	X	111.86888	223.18009	119.07744	2.57974	0.1437733	0.29838482	2.2179491	21	—	—
168759 2000 QM_{206}	16.8	X	71.30814	243.60810	114.76765	0.89063	0.1888885	0.29385148	2.2407021	21	—	—
168760 2000 QB_{212}	15.6	X	259.17743	158.11990	347.89585	7.43151	0.0291162	0.29019405	2.2594898	21	12 24.9	18.3
168761 2000 QQ_{212}	16.4	X	355.89672	90.70330	337.06023	3.94157	0.1932122	0.29183354	2.2510195	21	—	—
168762 2000 QG_{215}	16.9	X	5.68292	283.69461	113.46483	3.89359	0.1424417	0.28936083	2.2638252	21	—	—
168763 2000 QM_{215}	17.0	X	192.97435	255.76982	36.62321	1.90231	0.1253422	0.30305274	2.1951148	21	—	—
168764 2000 QH_{220}	16.5	X	93.55168	250.11074	150.70671	6.18315	0.0807755	0.30398779	2.1906111	21	—	—
168765 2000 QH_{223}	16.2	X	117.36408	301.06132	96.92630	6.08687	0.1481892	0.30571488	2.1823530	21	1 22.6	18.4
168766 2000 QF_{224}	16.6	X	216.10049	68.48831	190.36126	5.65802	0.1824420	0.30290827	2.1958127	21	—	—
168767 Kochte	17.0	X	14.71943	87.40469	329.17141	7.87516	0.2102764	0.29411758	2.2393504	21	—	—
168768 2000 RN_{15}	16.6	X	226.11129	24.08004	241.58147	5.90427	0.1491933	0.30515526	2.1850203	21	—	—
168769 2000 RO_{16}	16.8	X	58.58328	94.93938	215.02151	6.22974	0.1673961	0.28817363	2.2700385	21	12 2.2	19.7
168770 2000 RD_{17}	16.6	X	97.88481	61.24876	221.28447	7.63177	0.2331802	0.29125636	2.2539923	21	12 11.6	20.4
168771 2000 RM_{19}	16.5	X	41.28883	35.78411	271.75359	6.59748	0.1442456	0.28515179	2.2860479	21	10 30.8	19.3
168772 2000 RW_{21}	16.4	X	30.22941	41.20981	279.33365	4.57314	0.2307094	0.28528444	2.2853391	21	11 17.8	18.9
168773 2000 RA_{22}	16.9	X	196.63186	82.10161	305.28675	4.08377	0.1823200	0.31293128	2.1486717	21	4 7.9	20.2
168774 2000 RC_{28}	16.7	X	46.48062	100.52614	258.59528	5.76196	0.1252977	0.29070579	2.2568374	21	—	—
168775 2000 RD_{30}	16.9	X	66.22571	114.06530	240.35025	5.10758	0.1983030	0.29262913	2.2469376	21	—	—
168776 2000 RU_{30}	16.8	X	180.24220	79.39409	303.94771	6.03296	0.1517756	0.31025383	2.1610158	21	3 15.9	20.1
168777 2000 RD_{37}	15.8	X	239.06854	179.38993	334.72979	25.07021	0.1119385	0.28870101	2.2672732	21	11 12.3	19.3
168778 2000 RK_{48}	15.9	X	19.54375	48.35814	272.13639	7.22413	0.2479112	0.28145044	2.3060467	21	11 1.2	18.2
168779 2000 RX_{48}	16.2	X	35.66057	99.30916	316.96314	6.23009	0.1761583	0.29229237	2.2486631	21	—	—
168780 2000 RN_{52}	16.6	X	339.04912	176.92089	231.07678	7.18392	0.1078341	0.29019237	2.2594985	21	12 11.6	18.8
168781 2000 RO_{59}	16.8	X	70.02401	86.70748	232.74777	3.58089	0.1828020	0.28934291	2.2639186	21	12 27.9	20.1
168782 2000 RN_{63}	16.4	X	254.91357	232.90330	166.38564	4.45152	0.2500287	0.27651961	2.3333797	21	6 17.0	19.9
168783 2000 RB_{104}	16.5	X	31.12615	66.00189	294.73650	5.82856	0.1343031	0.28731914	2.2745370	21	12 30.6	19.2
168784 2000 SQ_{2}	15.5	X	309.46432	347.28661	91.75332	25.47149	0.2708749	0.28238349	2.3009642	21	11 29.9	17.0
168785 2000 SS_{7}	16.6	X	331.86703	196.95229	252.96157	5.46053	0.1074349	0.28948083	2.2631995	21	—	—
168786 2000 SK_{11}	16.0	X	130.50545	81.79302	178.16612	22.09146	0.1608325	0.29046000	2.2581104	21	12 10.8	20.0
168787 2000 SE_{22}	17.0	X	0.44219	304.89490	96.31218	4.39333	0.2353760	0.28834060	2.2691621	21	—	—
168788 2000 SN_{28}	17.0	X	329.48156	197.82762	245.39152	2.69463	0.1790291	0.28896767	2.2658781	21	—	—
168789 2000 SF_{33}	17.2	X	13.37819	200.09921	132.35285	2.84761	0.1880336	0.28355521	2.2946210	21	11 1.7	19.3
168790 2000 SR_{36}	16.7	X	32.95054	61.40089	15.29431	3.00436	0.0724838	0.29782751	2.2207151	21	—	—
168791 2000 SQ_{43}	18.7	X	12.12809	144.72603	170.92082	5.18378	0.5053507	0.28356890	2.2945471	21	12 3.5	21.1
168792 2000 ST_{56}	17.2	X	39.17143	174.69970	187.87470	3.22049	0.1772688	0.28990637	2.2609843	21	—	—
168793 2000 SS_{57}	14.6	X	348.92820	0.22485	0.32790	2.92447	0.0798097	0.14064573	3.6620001	21	9 24.0	19.2
168794 2000 SV_{63}	15.0	X	288.05955	66.65129	1.39238	11.61381	0.0269951	0.18772340	3.0208126	21	10 2.7	19.2
168795 2000 SU_{70}	17.0	X	300.01717	226.66327	142.43215	2.77352	0.2264826	0.27666183	2.3325800	21	7 6.2	19.2
168796 2000 SC_{76}	16.4	X	291.49428	7.17693	44.48745	6.75346	0.1092423	0.27919636	2.3184419	21	9 20.1	18.9
168797 2000 SS_{79}	17.0	X	331.84143	17.33008	15.22131	7.31965	0.1835520	0.28337766	2.2955794	21	11 2.7	18.5
168798 2000 SK_{88}	17.2	X	356.78849	182.30951	173.52986	6.33237	0.1403790	0.28270327	2.2992286	21	10 29.8	19.2
168799 2000 SL_{93}	15.1	X	50.17938	353.13271	293.02490	8.74175	0.0388209	0.18739139	3.0243796	21	9 12.8	19.5
168800 2000 SW_{93}	16.8	X	45.57353	84.81510	308.54765	6.57542	0.0862455	0.29455602	2.2371277	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168801 2000 SM_{109}	17.0	X	35.95394	168.98240	193.22918	2.69958	0.1729437	0.28863064	2.2676417	21	—	—
168802 2000 ST_{110}	16.1	X	189.88173	219.38693	185.85840	5.37418	0.1730382	0.26545668	2.3977668	21	5 1.4	19.9
168803 2000 SG_{118}	16.4	X	66.16701	329.34432	28.86807	7.24462	0.1454370	0.29155731	2.2524410	21	—	—
168804 2000 SF_{134}	16.4	X	324.65896	192.21851	234.49916	6.81476	0.1691371	0.28605870	2.2812135	21	12 14.8	18.0
168805 2000 SN_{137}	15.9	X	195.68973	198.65270	221.60569	6.01906	0.1979939	0.26793204	2.3829757	21	5 25.1	19.9
168806 2000 SV_{137}	16.3	X	10.37084	140.37557	219.09584	6.83190	0.1346166	0.28507925	2.2864356	21	11 27.4	18.5
168807 2000 SE_{146}	16.7	X	24.61034	164.06097	207.23280	6.54967	0.2019058	0.28773464	2.2723468	21	—	—
168808 2000 SD_{147}	16.8	X	91.18591	324.66189	6.53663	3.29140	0.1081157	0.29181079	2.2511364	21	—	—
168809 2000 SZ_{168}	16.8	X	81.89081	116.59411	225.91954	5.62603	0.1415454	0.29202040	2.2500591	21	—	—
168810 2000 SR_{174}	14.9	X	301.11979	54.03987	302.85309	8.96639	0.1203772	0.17956297	3.1116557	21	7 8.9	18.9
168811 2000 SE_{184}	16.1	X	20.18172	119.99788	214.19443	6.14730	0.1489768	0.28260268	2.2997742	21	11 8.5	18.4
168812 2000 SA_{189}	16.4	X	95.65675	74.34900	201.03599	5.34734	0.1375339	0.28712401	2.2755675	21	11 24.5	19.6
168813 2000 SC_{189}	17.0	X	218.36705	92.33042	323.73528	2.41590	0.2209955	0.27031678	2.3689399	21	6 7.1	20.8
168814 2000 SX_{219}	15.9	X	43.62264	294.05811	77.58784	7.77520	0.1268919	0.28927085	2.2642946	21	—	—
168815 2000 ST_{220}	16.5	X	77.01115	239.85611	108.44388	6.89221	0.2106595	0.29204922	2.2499110	21	—	—
168816 2000 SR_{224}	16.3	X	73.65486	13.35507	232.01408	5.40138	0.1222162	0.28013044	2.3132852	21	9 13.5	19.2
168817 2000 SD_{255}	16.3	X	82.16644	225.21417	63.68822	4.07446	0.1252172	0.28673678	2.2776157	21	11 25.6	19.3
168818 2000 SF_{263}	16.5	X	326.45973	23.01588	56.39273	6.94283	0.1397260	0.28803579	2.2707627	21	—	—
168819 2000 SC_{265}	17.6	X	64.91930	209.31357	124.08757	2.56515	0.1849136	0.28991084	2.2609611	21	—	—
168820 2000 SK_{266}	16.6	X	354.22418	330.95685	91.34539	5.88151	0.1399062	0.28811045	2.2703704	21	—	—
168821 2000 SH_{270}	17.0	X	312.30407	258.89316	173.96572	5.99337	0.1360759	0.28357040	2.2945390	21	11 27.6	19.0
168822 2000 SL_{270}	17.0	X	325.19697	265.71318	73.44933	3.01007	0.2216980	0.27653953	2.3332677	21	7 10.7	18.7
168823 2000 SN_{271}	16.4	X	351.50979	353.84848	57.18403	8.86684	0.1110835	0.28635141	2.2796587	21	—	—
168824 2000 SE_{274}	17.0	X	63.38390	299.30019	39.49778	6.67781	0.2332727	0.28946296	2.2632927	21	—	—
168825 2000 SX_{288}	16.9	X	354.76108	189.34742	245.01876	5.26676	0.1198323	0.29159744	2.2522343	21	—	—
168826 2000 SB_{291}	16.8	X	24.31470	218.50300	209.81489	6.86858	0.1251419	0.29414715	2.2392003	21	—	—
168827 2000 SY_{308}	16.2	X	155.34423	299.80631	308.04770	6.85175	0.0923783	0.28853486	2.2681435	21	12 19.9	19.5
168828 2000 SY_{320}	15.9	X	302.68192	136.13012	267.86528	23.07715	0.3117980	0.27400765	2.3476189	21	8 6.2	18.6
168829 2000 SF_{322}	17.1	X	199.02481	353.08363	294.94322	1.40953	0.1560376	0.30375542	2.1917282	21	—	—
168830 2000 SK_{334}	16.8	X	344.77075	211.01808	164.40781	6.72978	0.1156992	0.28438382	2.2901616	21	11 4.2	18.9
168831 2000 SZ_{334}	16.4	X	134.78451	285.54195	62.64478	5.48603	0.1841284	0.30089717	2.2055859	21	—	—
168832 2000 SD_{340}	16.7	X	184.04745	268.43976	12.99757	5.76412	0.1668429	0.30182021	2.2010868	21	—	—
168833 2000 SP_{343}	16.7	X	123.56403	340.61511	294.42848	4.55474	0.0583761	0.29083030	2.2561932	21	12 20.4	19.7
168834 2000 SB_{352}	17.0	X	145.14712	202.07683	107.06178	3.05273	0.1244280	0.29764967	2.2215996	21	—	—
168835 2000 SD_{364}	17.4	X	81.34673	228.07395	70.82923	5.09678	0.2528851	0.29116688	2.2544541	21	12 18.9	21.0
168836 2000 SH_{364}	15.1	X	282.52575	241.28923	112.08042	11.08360	0.1307722	0.18037656	3.1022918	21	6 8.0	19.5
168837 2000 TZ_{36}	14.9	X	91.95001	16.04896	0.46021	8.05845	0.1276577	0.15721340	3.3999798	21	—	—
168838 2000 TB_{40}	16.7	X	48.01848	306.62606	89.63548	6.51191	0.1665698	0.29468767	2.2364614	21	—	—
168839 2000 TX_{48}	16.1	X	66.18639	240.87090	54.57486	6.49217	0.1662664	0.28673213	2.2776403	21	11 20.8	19.2
168840 2000 TF_{58}	17.1	X	21.48056	191.02153	167.92286	5.04033	0.1628848	0.28582338	2.2824655	21	12 18.7	19.7
168841 2000 TB_{63}	17.0	X	16.85028	309.69438	52.66058	3.94024	0.1334356	0.28495190	2.2871168	21	12 10.9	19.5
168842 2000 UP	16.5	X	323.36307	262.25595	63.82619	8.06687	0.2527694	0.27440570	2.3453480	21	6 7.1	18.3
168843 2000 UG_{4}	16.5	X	0.33737	349.81655	26.98255	8.04211	0.1339473	0.28355914	2.2945998	21	12 2.9	18.8
168844 2000 UX_{19}	17.0	X	257.22429	20.15576	62.17635	3.07214	0.1763710	0.27664722	2.3326622	21	8 29.6	19.9
168845 2000 UJ_{28}	16.8	X	313.62962	208.22648	239.15013	3.33758	0.0828453	0.28661577	2.2782567	21	12 22.1	18.8
168846 2000 UQ_{34}	17.2	X	332.43359	98.02495	348.50747	1.75821	0.1980523	0.28688554	2.2768283	21	—	—
168847 2000 UU_{34}	16.6	X	289.46551	179.12831	259.87756	1.13259	0.1745482	0.28046072	2.3114687	21	10 14.1	18.5
168848 2000 UD_{47}	16.4	X	342.22646	267.55706	58.01723	2.93496	0.2188459	0.27588923	2.3369328	21	8 3.4	17.8
168849 2000 UK_{51}	17.0	X	334.53908	222.92305	211.27000	3.19703	0.1156512	0.28570023	2.2831213	21	—	—
168850 2000 UN_{63}	16.9	X	343.59786	170.61298	277.20622	2.36111	0.1258004	0.28899935	2.2657125	21	—	—
168851 2000 UQ_{67}	16.3	X	193.54968	212.82486	258.56064	6.19402	0.0671540	0.27248519	2.3563553	21	7 31.4	19.6
168852 2000 UV_{71}	16.6	X	267.07798	123.90572	320.09002	1.73116	0.1195538	0.27778300	2.3262994	21	9 22.2	19.4
168853 2000 UV_{76}	16.7	X	211.23105	50.16034	47.04077	4.20902	0.1534208	0.27225070	2.3577082	21	7 30.2	20.2
168854 2000 UP_{84}	16.3	X	254.26247	71.62839	55.24058	5.80484	0.1216408	0.28209674	2.3025232	21	11 5.1	18.8
168855 2000 UC_{90}	16.5	X	237.75586	80.26100	16.90971	5.59275	0.0828432	0.27641675	2.3339586	21	9 8.1	19.4
168856 2000 UY_{101}	16.7	X	348.79573	292.79689	16.02299	4.89759	0.2577698	0.27593223	2.3366900	21	7 20.5	17.8
168857 2000 UA_{102}	17.0	X	127.92880	79.49640	273.63724	4.46995	0.1892957	0.29823036	2.2187148	21	—	—
168858 2000 VN_{8}	17.0	X	256.98050	232.65373	209.68517	2.58570	0.1354777	0.27640900	2.3340022	21	9 1.9	20.0
168859 2000 VG_{18}	16.7	X	109.21826	270.37975	88.21253	6.26536	0.2171967	0.29594255	2.2301348	21	—	—
168860 2000 VH_{21}	16.5	X	151.33432	267.31886	213.56942	7.11255	0.1073124	0.26684668	2.3894329	21	6 26.9	20.0
168861 2000 VM_{22}	16.6	X	312.63837	234.36760	195.76146	5.97878	0.0920032	0.28181902	2.3040356	21	11 24.5	18.8
168862 2000 VS_{22}	16.8	X	282.34707	200.73692	243.64320	1.90834	0.1944057	0.27928171	2.3179695	21	10 4.9	18.9
168863 2000 VW_{24}	16.9	X	295.70890	145.25958	264.85817	1.36901	0.2051585	0.27735406	2.3286973	21	9 4.6	18.9
168864 2000 VW_{25}	16.5	X	293.48769	20.92633	32.47641	6.64786	0.1040883	0.27824058	2.3237482	21	9 25.7	18.8
168865 2000 VX_{41}	17.1	X	342.01573	96.51201	285.89095	2.88940	0.1665655	0.28199087	2.3030994	21	11 9.5	18.9
168866 2000 VR_{42}	16.8	X	301.76851	34.14952	31.04571	9.03624	0.1276838	0.28060077	2.3106996	21	10 23.9	18.6
168867 2000 VP_{44}	16.7	X	322.76504	274.71220	194.13324	0.28532	0.1318485	0.28785413	2.2717179	21	—	—
168868 2000 VV_{52}	16.4	X	249.14062	173.58371	297.51276	5.63476	0.0625885	0.27894876	2.3198136	21	10 11.6	19.4
168869 2000 WS_{4}	16.4	X	37.47044	65.13238	264.59081	6.55955	0.1410991	0.28399227	2.2922661	21	11 26.5	19.0
168870 2000 WN_{6}	15.5	X	316.04365	33.83633	82.48335	27.00423	0.3372570	0.28102156	2.3083923	21	—	—
168871 2000 WB_{9}	16.4	X	59.43301	145.17728	260.42790	4.76758	0.1163968	0.29316100	2.2442191	21	—	—
168872 2000 WZ_{9}	16.8	X	203.62845	350.19255	104.33656	3.82980	0.1673906	0.26632165	2.3925723	21	7 16.8	20.4
168873 2000 WC_{14}	16.7	X	231.06374	229.21296	251.86063	5.68713	0.1757335	0.27547466	2.3392768	21	9 15.1	20.1
168874 2000 WA_{15}	16.5	X	289.79840	82.12884	329.65235	2.57161	0.2253285	0.27612982	2.3355751	21	8 23.9	19.0
168875 2000 WQ_{22}	16.3	X	321.63637	11.21100	102.88686	6.71641	0.1791872	0.28815481	2.2701374	21	—	—
168876 2000 WZ_{24}	16.5	X	309.96539	135.28252	290.82846	4.96076	0.2525165	0.27837528	2.3229985	21	10 26.7	17.9
168877 2000 WC_{27}	16.7	X	294.92762	32.22125	48.76026	5.00354	0.1494180	0.27992375	2.3144238	21	11 1.7	18.8
168878 2000 WV_{28}	17.2	X	339.71642	82.41718	245.01534	3.89414	0.2266304	0.27333416	2.3514736	21	7 26.4	18.5
168879 2000 WD_{34}	16.2	X	272.52811	162.97558	212.43994	7.67021	0.1397548	0.26973864	2.3723237	21	6 19.2	19.3
168880 2000 WJ_{48}	16.8	X	342.14310	240.01506	201.45542	3.31121	0.2301397	0.28457226	2.2891505	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168881 2000 WN_{48}	16.8	X	256.82326	319.52432	118.03271	4.26656	0.2988710	0.27232122	2.3573011	21	8 3.8	20.4
168882 2000 WZ_{56}	16.8	X	303.68351	216.66514	230.86571	4.06366	0.1957775	0.28130974	2.3068155	21	11 26.5	18.2
168883 2000 WL_{57}	16.5	X	312.78505	338.36571	91.73657	6.03691	0.1838444	0.28066096	2.3103692	21	11 21.5	18.2
168884 2000 WB_{71}	16.1	X	261.95916	186.80624	261.75953	8.85740	0.0868342	0.27781364	2.3261284	21	9 22.0	19.2
168885 2000 WO_{76}	16.8	X	306.42472	178.26707	260.55531	4.64430	0.0975389	0.28197761	2.3031716	21	11 24.7	18.9
168886 2000 WH_{78}	17.1	X	262.32622	134.68141	322.42277	1.69857	0.1282264	0.27766853	2.3269387	21	10 2.4	19.9
168887 2000 WB_{83}	16.3	X	220.75735	126.00914	268.26161	6.29350	0.1191607	0.26503979	2.4002805	21	5 16.7	19.8
168888 2000 WH_{90}	16.4	X	277.24446	355.84170	55.17539	7.53842	0.0782841	0.27381514	2.3487191	21	9 1.3	19.3
168889 2000 WM_{95}	16.3	X	62.83126	88.90598	275.27446	3.69038	0.2771697	0.28982110	2.2614277	21	—	—
168890 2000 WK_{116}	16.2	X	289.52219	151.65574	283.01777	5.11911	0.2092148	0.27724636	2.3293003	21	9 27.9	18.5
168891 2000 WO_{122}	16.3	X	343.12245	87.89395	266.95435	5.14931	0.1437319	0.27649734	2.3335050	21	9 22.7	18.5
168892 2000 WK_{124}	16.3	X	264.30429	93.45167	44.38705	23.95996	0.2373305	0.28119860	2.3074233	21	11 13.5	18.6
168893 2000 WS_{128}	16.9	X	228.98580	247.99662	222.02296	1.64588	0.1691706	0.27367975	2.3494937	21	8 31.9	20.3
168894 2000 WE_{130}	16.7	X	344.49688	206.26332	250.34732	5.68911	0.1175968	0.28742720	2.2739669	21	—	—
168895 2000 WE_{131}	16.2	X	345.01478	116.73825	217.15468	6.15601	0.1118628	0.27498720	2.3420405	21	8 23.3	18.6
168896 2000 WC_{134}	16.2	X	310.55856	91.04006	330.30527	4.70771	0.2042000	0.28067146	2.3103115	21	10 26.3	17.8
168897 2000 WA_{136}	16.6	X	309.88245	321.39315	122.52822	4.17513	0.1411667	0.28306550	2.2972667	21	12 8.8	18.5
168898 2000 WQ_{137}	15.7	X	145.69995	86.86614	51.34742	5.04917	0.1532560	0.26273146	2.4143191	21	7 18.7	19.4
168899 2000 WV_{147}	16.9	X	287.62884	208.42448	246.36170	2.87637	0.0874755	0.28080911	2.3095565	21	11 16.1	19.2
168900 2000 WW_{160}	16.4	X	338.92107	212.45274	129.36352	7.51743	0.2343872	0.27692080	2.3311256	21	8 23.8	17.6
168901 2000 WJ_{164}	16.2	X	353.25572	134.40344	201.36790	12.12910	0.2465165	0.27829314	2.3234556	21	9 24.4	17.4
168902 2000 WR_{166}	17.1	X	8.03528	267.03430	103.31712	3.14548	0.1342511	0.28330021	2.2959977	21	12 8.6	19.4
168903 2000 WW_{188}	16.8	X	356.78302	108.35724	263.74469	3.65487	0.1343243	0.28280533	2.2986755	21	11 20.6	19.0
168904 2000 WY_{189}	17.4	X	311.25697	22.74388	15.41538	2.45863	0.2128467	0.27887348	2.3202311	21	9 19.8	19.0
168905 2000 XT_{1}	16.7	X	193.07200	164.66473	268.50684	2.78867	0.2078588	0.26390694	2.4071446	21	6 7.9	20.6
168906 2000 XE_{12}	16.0	X	40.82696	66.44199	309.43043	5.82464	0.2019018	0.28745973	2.2737953	21	—	—
168907 2000 XN_{19}	16.7	X	297.60212	77.64116	352.97032	6.60140	0.0945397	0.27929292	2.3179075	21	10 25.0	19.0
168908 2000 XH_{21}	16.5	X	244.62829	74.36588	6.68244	7.40392	0.0738202	0.27272029	2.3550009	21	8 27.3	19.4
168909 2000 XV_{30}	16.0	X	241.03065	134.80597	322.79842	7.13492	0.0726676	0.27368222	2.3494795	21	9 10.3	19.1
168910 2000 XC_{52}	16.8	X	329.59375	37.57054	354.63917	4.62116	0.2410068	0.27907071	2.3191378	21	10 26.9	17.9
168911 2000 XM_{53}	16.5	X	282.48867	72.67623	256.80010	6.45236	0.1336283	0.26470791	2.4022863	21	4 28.4	19.7
168912 2000 YV_{2}	15.8	X	107.38116	83.78653	58.61093	7.64201	0.0949265	0.25967740	2.4332120	21	6 1.9	19.0
168913 2000 YA_{3}	16.6	X	331.80085	87.48895	251.23283	5.78384	0.1377988	0.27279470	2.3545727	21	8 2.6	18.9
168914 2000 YU_{21}	16.5	X	161.05978	27.34303	85.63643	10.28603	0.2073533	0.26224640	2.4172952	21	7 1.5	20.5
168915 2000 YW_{37}	16.8	X	235.38084	290.59757	153.78092	2.72123	0.2012539	0.26992179	2.3712504	21	8 1.0	20.4
168916 2000 YZ_{42}	16.8	X	302.31750	35.86211	23.63700	0.57796	0.1543759	0.27645601	2.3337376	21	10 11.9	18.9
168917 2000 YM_{44}	16.3	X	123.63613	217.06948	285.27850	1.67840	0.1307177	0.26096815	2.4251823	21	6 27.4	19.6
168918 2000 YX_{44}	16.5	X	125.23200	232.71422	262.18156	1.61071	0.1457390	0.26024398	2.4296791	21	6 20.7	20.0
168919 2000 YR_{49}	16.9	X	197.32311	202.04524	275.44890	1.59892	0.1187002	0.26766439	2.3845640	21	8 11.8	20.4
168920 2000 YK_{50}	16.7	X	265.34755	261.51275	131.11301	6.56823	0.2433959	0.26904754	2.3763844	21	6 20.1	20.1
168921 2000 YT_{53}	16.3	X	212.52121	358.50049	91.43029	5.07599	0.1239994	0.26666970	2.3904900	21	7 22.9	19.8
168922 2000 YL_{55}	16.9	X	263.81062	245.09402	221.94717	2.73042	0.1442465	0.27618518	2.3352630	21	10 16.3	19.4
168923 2000 YU_{56}	16.4	X	177.72849	315.18160	130.72785	2.62475	0.1074996	0.26202734	2.4186423	21	6 9.9	19.9
168924 2000 YE_{59}	16.6	X	261.71065	354.48028	89.53248	4.01308	0.1071729	0.27261558	2.3556039	21	9 18.9	19.4
168925 2000 YV_{59}	16.5	X	179.83471	333.36970	117.23129	7.27393	0.0876087	0.26232584	2.4168072	21	6 18.4	19.9
168926 2000 YN_{65}	16.2	X	74.67257	254.07198	257.83267	3.87754	0.1336653	0.25636167	2.4541474	21	5 5.2	19.1
168927 2000 YD_{68}	15.3	X	225.27930	319.02987	132.38352	24.55930	0.1531161	0.26585205	2.3953889	21	8 4.8	18.6
168928 2000 YG_{71}	16.2	X	183.22879	6.28201	85.64985	8.15457	0.0767945	0.26593995	2.3948611	21	6 23.6	19.6
168929 2000 YT_{72}	17.1	X	212.02749	47.39336	0.83450	1.41413	0.2252502	0.26557755	2.3970392	21	5 22.5	21.1
168930 2000 YV_{73}	16.5	X	25.47587	328.20586	107.38003	6.32908	0.1116896	0.29013642	2.2597890	21	—	—
168931 2000 YL_{82}	16.3	X	109.00380	110.39326	279.81633	6.57141	0.1202203	0.29632534	2.2282138	21	—	—
168932 2000 YG_{86}	16.8	X	278.82091	238.95882	216.36783	1.98185	0.1903095	0.27711401	2.3300419	21	10 16.2	19.0
168933 2000 YQ_{88}	15.9	X	71.43754	77.84197	294.87520	5.06427	0.1637066	0.28906693	2.2653594	21	—	—
168934 2000 YR_{91}	16.9	X	3.28283	78.01326	310.88992	1.70832	0.2114003	0.28154376	2.3055371	21	—	—
168935 2000 YC_{95}	16.8	X	155.72111	21.66413	112.24673	3.37826	0.1440885	0.26383611	2.4075754	21	7 21.8	20.5
168936 2000 YN_{95}	16.3	X	134.64666	205.48445	301.87513	2.58811	0.0704259	0.26272770	2.4143421	21	7 11.4	19.6
168937 2000 YU_{95}	16.0	X	55.29899	259.32200	100.49083	7.76908	0.1431228	0.28538282	2.2848139	21	—	—
168938 2000 YS_{107}	16.8	X	243.80141	117.01731	347.72675	1.78933	0.1740982	0.27285370	2.3542332	21	9 11.0	20.0
168939 2000 YB_{108}	16.6	X	138.76407	159.13255	341.67838	2.25077	0.1630074	0.26237524	2.4165038	21	7 15.1	20.1
168940 2000 YL_{109}	16.5	X	143.61037	132.64997	45.83812	2.80770	0.1283885	0.26720317	2.3873072	21	9 7.2	20.0
168941 2000 YO_{111}	15.9	X	5.50094	282.66130	89.71679	7.06968	0.1544448	0.27852901	2.3221437	21	12 9.3	18.2
168942 2000 YL_{114}	16.3	X	61.96293	267.97089	94.83627	8.52841	0.1494044	0.28498750	2.2869263	21	—	—
168943 2000 YG_{118}	16.6	X	19.59160	325.24268	94.94566	3.95463	0.1581613	0.28464533	2.2887587	21	—	—
168944 2000 YK_{126}	15.2	X	327.67872	135.01756	88.74904	15.58237	0.1574981	0.24577198	2.5241460	21	2 9.7	18.5
168945 2000 YN_{131}	16.5	X	62.35692	26.76134	57.50624	4.74350	0.1008092	0.29438473	2.2379955	21	—	—
168946 2000 YY_{135}	16.9	X	252.86022	62.12883	9.55748	5.91933	0.1991117	0.27035808	2.3686987	21	8 6.1	20.2
168947 2000 YB_{139}	16.5	X	328.30295	279.05653	89.36628	4.24333	0.1899449	0.27644504	2.3337993	21	9 16.0	18.1
168948 Silvestri	16.0	X	196.89111	126.98264	143.46630	4.72944	0.0958851	0.23281602	2.6169423	21	—	—
168949 2001 AV_{18}	17.6	X	223.99739	235.08492	216.53042	2.19414	0.2848271	0.26837014	2.3803816	21	7 23.5	21.7
168950 2001 AA_{26}	15.7	X	112.17629	181.95630	13.81660	11.73846	0.1038033	0.26455291	2.4032246	21	8 28.3	19.2
168951 2001 AL_{33}	16.6	X	233.86536	169.81375	318.78173	5.92242	0.1704011	0.27357528	2.3500918	21	9 29.3	19.9
168952 2001 AN_{39}	16.9	X	150.67372	31.45383	81.76985	3.45582	0.1693516	0.25966693	2.4332774	21	6 20.5	20.6
168953 2001 AZ_{43}	16.6	X	245.47542	87.49391	309.33281	5.30396	0.0971900	0.26385418	2.4074655	21	6 20.9	19.9
168954 2001 AT_{44}	16.0	X	284.39907	309.47802	116.42263	4.06104	0.2025895	0.27228900	2.3574871	21	9 10.8	18.5
168955 2001 AV_{44}	16.5	X	211.07047	355.10575	109.41219	6.00891	0.1903198	0.26618017	2.3934200	21	8 5.4	20.1
168956 2001 AC_{47}	15.9	X	200.66621	95.78210	45.65251	22.26403	0.3108212	0.26866036	2.3786670	21	9 18.2	20.5
168957 2001 AB_{52}	16.1	X	330.51700	350.48976	63.38670	6.40162	0.1567932	0.27879361	2.3206742	21	12 3.7	17.7
168958 2001 AC_{52}	16.7	X	172.18326	50.10167	56.48335	8.14864	0.2022823	0.26196122	2.4190493	21	7 3.1	20.8
168959 2001 BP_{6}	15.7	X	24.77209	251.72771	325.52699	9.16748	0.0743234	0.25696129	2.4503282	21	5 5.7	18.7
168960 2001 BQ_{19}	15.1	X	199.25416	271.11627	320.31993	10.77896	0.2917225	0.22936671	2.6431134	21	12 18.2	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
168961 2001 BF_{23}	16.7	X	138.91489	39.61624	107.52826	3.22951	0.0747885	0.26186404	2.4196477	21	7 16.7	19.8
168962 2001 BK_{27}	16.8	X	181.32102	301.47927	165.51987	2.31990	0.1623658	0.26306938	2.4122511	21	7 11.3	20.6
168963 2001 BT_{32}	16.3	X	266.69278	290.23907	187.50858	1.82224	0.1555986	0.27478951	2.3431636	21	11 3.9	18.6
168964 2001 BF_{36}	15.8	X	128.82422	75.48411	66.62455	2.09914	0.1315817	0.26021735	2.4298449	21	7 3.2	19.3
168965 2001 BL_{37}	17.1	X	88.08547	352.35767	130.63439	2.82360	0.1288121	0.25288801	2.4765697	21	4 16.5	20.0
168966 2001 BC_{38}	16.2	X	83.20206	56.15492	125.93442	7.08384	0.0517344	0.25952952	2.4341362	21	6 18.5	19.2
168967 2001 BB_{43}	15.9	X	322.84018	154.42126	281.00224	8.73380	0.1572734	0.27838419	2.3229490	21	12 21.4	17.8
168968 2001 BY_{45}	15.3	X	271.12275	79.45421	164.74526	14.77811	0.2322424	0.24227434	2.5483815	21	—	—
168969 2001 BX_{55}	16.6	X	137.75405	27.84486	84.53339	3.80816	0.1300255	0.25872016	2.4392101	21	6 2.9	20.2
168970 2001 BT_{56}	16.5	X	162.07684	330.78871	125.37797	7.08465	0.0851431	0.25923776	2.4359622	21	6 6.2	20.0
168971 2001 BA_{58}	16.8	X	238.15855	275.62917	173.67344	2.26551	0.1587186	0.26876957	2.3780226	21	8 15.4	20.0
168972 2001 BL_{59}	15.4	X	124.56969	225.96814	174.41847	13.29624	0.2639317	0.25014282	2.4946561	21	3 1.9	19.0
168973 2001 BQ_{64}	16.5	X	151.89786	333.32930	157.26301	7.50877	0.1814752	0.26043099	2.4285159	21	7 14.3	20.5
168974 2001 BD_{65}	15.1	X	53.48099	5.54051	197.27272	7.41811	0.1849796	0.20665314	2.8334010	21	6 24.4	18.6
168975 2001 BO_{66}	15.8	X	351.28609	100.80018	88.06799	5.00678	0.1810991	0.24202445	2.5501353	21	1 23.7	18.6
168976 2001 BE_{68}	16.1	X	232.94910	42.40675	93.87559	3.19528	0.1475178	0.27134650	2.3629429	21	10 15.8	19.2
168977 2001 BE_{75}	16.9	X	116.95279	333.73886	193.70945	0.72805	0.1096501	0.26032521	2.4291737	21	7 21.3	20.3
168978 2001 BO_{75}	16.6	X	85.92231	44.22147	124.24091	3.12716	0.1387045	0.25584030	2.4574805	21	6 17.1	19.5
168979 2001 CS_{1}	16.5	X	236.51167	342.59122	111.29798	3.01340	0.1621989	0.26784428	2.3834962	21	8 20.6	19.8
168980 2001 CS_{2}	16.7	X	252.13244	142.81953	18.70625	2.65506	0.1675194	0.27720203	2.3295486	21	12 11.0	19.4
168981 2001 CT_{3}	15.6	X	16.61578	261.70728	111.28269	7.64880	0.3061417	0.27807833	2.3246520	21	—	—
168982 2001 CC_{9}	16.7	X	139.27450	171.48752	359.93828	2.46780	0.1411429	0.26276605	2.4141072	21	8 24.0	20.2
168983 2001 CV_{11}	16.9	X	280.75960	82.72679	44.08300	3.23456	0.1852928	0.27856830	2.3219254	21	12 7.9	18.9
168984 2001 CQ_{14}	17.2	X	109.00945	117.03429	37.39423	3.08214	0.1714191	0.25771849	2.4455263	21	7 2.0	20.7
168985 2001 CC_{18}	16.8	X	208.55629	178.35302	307.29201	2.13437	0.1262978	0.26856055	2.3792563	21	9 3.4	20.0
168986 2001 CV_{22}	16.9	X	188.90851	18.42963	123.07784	5.74408	0.1653459	0.26723662	2.3871080	21	9 3.8	20.6
168987 2001 CE_{25}	16.0	X	89.46601	45.57361	97.05523	3.58359	0.0146088	0.25416014	2.4682990	21	4 27.8	19.0
168988 2001 CF_{25}	16.5	X	118.86270	116.56793	42.03457	2.02028	0.1304134	0.25944663	2.4346546	21	7 14.4	20.0
168989 2001 CH_{29}	15.9	X	291.39402	20.15930	42.24667	4.81605	0.1377728	0.27169441	2.3609253	21	9 29.2	18.3
168990 2001 CO_{30}	15.8	X	210.88293	1.90071	64.50794	7.14187	0.1122150	0.26037761	2.4288477	21	6 19.2	19.3
168991 2001 CO_{38}	15.7	X	68.90000	119.23594	65.34736	12.35017	0.1984419	0.25599422	2.4564953	21	6 24.5	18.6
168992 2001 CR_{39}	16.3	X	187.69592	49.32053	93.81901	13.02588	0.1369487	0.26783480	2.3835525	21	9 10.6	20.1
168993 2001 CH_{40}	16.1	X	294.44302	49.51092	21.62632	6.82465	0.0917601	0.27267504	2.3552615	21	10 21.5	18.6
168994 2001 CZ_{47}	16.1	X	140.23010	89.99897	84.17461	4.26151	0.1327467	0.26520274	2.3992972	21	8 29.7	19.7
168995 2001 DV_{4}	15.6	X	237.04372	241.82746	351.48726	11.64266	0.1248886	0.23506756	2.6002050	21	—	—
168996 2001 DK_{6}	15.7	X	157.72185	90.53022	21.23866	7.17141	0.1581570	0.25916907	2.4363926	21	6 25.0	19.6
168997 2001 DP_{19}	15.7	X	163.90105	237.35607	16.43340	13.01310	0.2299419	0.22449284	2.6812320	21	12 18.9	20.6
168998 2001 DA_{25}	16.8	X	133.21880	44.95107	63.29588	3.33864	0.1441153	0.25577110	2.4579237	21	5 24.7	20.4
168999 2001 DR_{26}	16.6	X	140.89288	6.48872	85.72382	3.36559	0.1730695	0.25507826	2.4623725	21	5 15.2	20.4
169000 2001 DA_{30}	16.4	X	234.52145	64.26584	87.23038	3.15711	0.1024593	0.27312678	2.3526638	21	11 13.2	19.2
169001 2001 DN_{31}	16.2	X	172.18369	41.36685	86.03419	3.18340	0.1517958	0.26176264	2.4202725	21	7 30.2	19.9
169002 2001 DG_{32}	16.0	X	259.66306	196.52626	122.58753	5.03066	0.0329212	0.25138255	2.4864475	21	4 4.5	19.3
169003 2001 DG_{33}	16.4	X	241.69205	84.50626	85.04967	3.87833	0.2111584	0.27570869	2.3379528	21	11 30.4	19.3
169004 2001 DO_{36}	16.2	X	226.50344	94.28487	316.41839	6.19567	0.0834325	0.26110652	2.4243254	21	6 18.3	19.6
169005 2001 DC_{37}	16.4	X	267.42147	275.05699	150.76541	2.88837	0.2034312	0.26989146	2.3714280	21	8 13.2	19.5
169006 2001 DU_{37}	17.0	X	235.83545	72.97995	12.63369	2.31529	0.1737756	0.26764907	2.3846550	21	8 7.3	20.3
169007 2001 DC_{38}	16.2	X	103.79362	12.20322	189.93009	4.23931	0.1974255	0.26200204	2.4187980	21	8 30.9	19.9
169008 2001 DR_{40}	15.7	X	236.29812	159.96070	18.42862	4.99202	0.0914219	0.22768260	2.6561310	21	12 12.5	19.2
169009 2001 DD_{42}	16.5	X	318.89689	86.52435	344.37793	3.29922	0.1675829	0.27675025	2.3320832	21	12 4.1	18.2
169010 2001 DT_{42}	16.6	X	211.13814	278.57714	132.57913	2.59930	0.2015508	0.26006000	2.4308249	21	5 27.3	20.5
169011 2001 DW_{43}	17.1	X	244.93057	212.73847	293.27939	1.28672	0.1542271	0.27432298	2.3458195	21	11 10.7	20.1
169012 2001 DD_{45}	16.2	X	234.79311	299.27200	141.74297	3.23092	0.1778512	0.26576315	2.3959231	21	7 29.3	19.7
169013 2001 DP_{53}	17.4	X	157.40893	164.65821	337.28846	4.71451	0.1703770	0.26261454	2.4150356	21	8 4.6	21.1
169014 2001 DM_{60}	16.7	X	107.40649	13.35949	151.65900	2.76888	0.1193270	0.25864317	2.4396941	21	7 7.4	19.9
169015 2001 DS_{61}	16.2	X	352.23721	75.13705	153.04878	3.38553	0.0416441	0.25163555	2.4847806	21	4 6.0	19.0
169016 2001 DD_{66}	15.9	X	283.93708	93.55839	161.42487	6.17973	0.0404706	0.24472721	2.5313248	21	2 6.6	19.2
169017 2001 DU_{67}	16.3	X	284.26294	143.06589	316.51299	1.68428	0.1629991	0.27449113	2.3448614	21	11 5.0	18.4
169018 2001 DV_{68}	16.9	X	115.84874	298.63854	221.00242	1.67967	0.1348567	0.25759930	2.4462806	21	7 12.1	20.4
169019 2001 DL_{75}	17.2	X	171.52653	13.53481	134.09624	5.23701	0.1242686	0.26564387	2.3966402	21	8 25.6	20.6
169020 2001 DD_{89}	16.2	X	324.84927	232.19706	12.40059	3.47260	0.0365511	0.24687833	2.5165993	21	3 20.4	19.2
169021 2001 DP_{90}	16.2	X	158.64595	206.78521	295.48875	8.11556	0.1995804	0.26021140	2.4298819	21	8 4.8	20.1
169022 2001 DP_{91}	15.7	X	188.83783	338.86399	340.67110	11.45788	0.0269231	0.23959925	2.5673145	21	1 10.1	19.3
169023 2001 DX_{93}	17.2	X	299.01291	46.65191	21.51732	0.04962	0.1836628	0.27350921	2.3504702	21	10 14.2	18.9
169024 2001 DX_{95}	17.4	X	215.75960	74.41653	48.51596	2.98434	0.1923918	0.26887882	2.3773784	21	9 3.8	20.9
169025 2001 DY_{95}	16.6	X	274.74563	135.07297	9.02399	5.03413	0.1395280	0.27934716	2.3176074	21	12 29.9	18.9
169026 2001 DY_{104}	16.7	X	158.16733	120.38546	337.70560	1.13110	0.1391545	0.25819698	2.4425040	21	6 6.2	20.2
169027 2001 DD_{107}	17.1	X	221.07483	313.29839	129.85439	6.26814	0.1686842	0.26651108	2.3914385	21	7 18.6	20.7
169028 2001 EU_{3}	16.7	X	123.57094	7.03753	123.45790	3.31724	0.1415769	0.25555760	2.4592925	21	6 12.8	20.2
169029 2001 ES_{7}	16.3	X	289.71158	170.77880	5.43881	7.61149	0.1635258	0.23330132	2.6133119	21	—	—
169030 2001 EA_{9}	16.4	X	274.81399	191.73682	37.54544	2.85819	0.1142268	0.23758997	2.5817686	21	—	—
169031 2001 EZ_{13}	15.9	X	220.29440	11.55205	68.70112	7.34710	0.1262656	0.26203444	2.4185986	21	7 18.6	19.4
169032 2001 FR_{10}	17.0	X	216.60729	177.67935	334.54704	1.11021	0.1299104	0.26919402	2.3755223	21	10 17.6	20.3
169033 2001 FA_{14}	16.2	X	185.05299	95.68853	34.33848	2.94750	0.1971491	0.26256759	2.4153235	21	8 14.7	20.1
169034 2001 FM_{16}	15.1	X	106.25328	269.04646	13.79092	7.63328	0.2901510	0.21756161	2.7378808	21	12 11.3	20.1
169035 2001 FJ_{19}	16.4	X	324.26192	198.59889	319.04745	3.21600	0.1380906	0.23506318	2.6002372	21	—	—
169036 2001 FC_{22}	16.0	X	292.82100	136.79126	59.37494	7.51608	0.1763403	0.23340936	2.6125054	21	—	—
169037 2001 FN_{26}	16.3	X	236.49879	220.41080	319.11056	4.24304	0.1623346	0.27437116	2.3455449	21	12 13.7	19.1
169038 2001 FD_{40}	14.8	X	176.66957	7.22072	358.47226	11.59958	0.1874654	0.24337094	2.5407206	21	3 4.6	18.9
169039 2001 FO_{40}	16.6	X	162.75236	97.75770	20.08187	3.12724	0.1345428	0.25806107	2.4433615	21	7 7.6	20.3
169040 2001 FS_{42}	15.8	X	30.57048	340.33712	178.40479	13.31016	0.0965124	0.24423837	2.5347013	21	2 24.5	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
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169041 2001 FE_{43}	16.2	X	181.36678	259.09224	344.18011	4.89814	0.2194186	0.22406508	2.6846434	21	12 21.6	20.8
169042 2001 FS_{43}	16.1	X	283.46364	218.66173	347.85733	4.20327	0.0993601	0.23456827	2.6038934	21	—	—
169043 2001 FV_{48}	15.5	X	210.74436	187.24232	16.89593	15.38883	0.1490686	0.22338046	2.6901259	21	12 4.3	19.8
169044 2001 FB_{49}	16.1	X	30.49928	159.11114	344.30270	6.25248	0.1640199	0.24240723	2.5474500	21	2 5.2	18.3
169045 2001 FE_{54}	15.3	X	309.62760	132.64479	27.67573	32.55998	0.2002353	0.23143299	2.6273577	21	—	—
169046 2001 FU_{55}	16.2	X	42.12470	70.67978	69.36001	5.99479	0.1413383	0.24388519	2.5371478	21	2 25.0	18.7
169047 2001 FK_{59}	16.2	X	244.82750	88.17197	31.69280	2.78334	0.1663705	0.27060228	2.3672734	21	10 4.5	19.1
169048 2001 FP_{61}	16.4	X	349.82160	132.12772	11.57899	13.31754	0.1463692	0.23855611	2.5747932	21	—	—
169049 2001 FU_{86}	16.7	X	232.16803	51.53548	109.17908	7.08163	0.1472526	0.27164569	2.3612076	21	11 17.1	19.8
169050 2001 FL_{88}	16.5	X	168.08174	230.04041	53.32805	2.07551	0.0435099	0.23057278	2.6338883	21	—	—
169051 2001 FF_{92}	15.4	X	92.56192	243.06388	10.61417	18.35271	0.1924779	0.21487909	2.7606199	21	10 17.2	19.7
169052 2001 FH_{92}	15.9	X	4.97570	61.70699	127.08460	7.54461	0.1328384	0.24499432	2.5294846	21	2 23.1	18.6
169053 2001 FO_{92}	16.1	X	158.53037	127.49783	36.83729	9.94197	0.0988583	0.26290849	2.4132352	21	9 7.1	19.7
169054 2001 FF_{98}	16.2	X	195.90306	126.20843	163.20308	5.41371	0.1193686	0.23358047	2.6112295	21	—	—
169055 2001 FE_{105}	16.7	X	131.14319	356.45601	151.92863	2.55001	0.1345716	0.25850337	2.4405736	21	7 14.1	20.3
169056 2001 FW_{115}	14.8	X	158.88768	4.77400	359.54543	19.20982	0.1813371	0.23980223	2.5658656	21	2 19.6	19.0
169057 2001 FN_{116}	15.8	X	249.35754	209.81188	16.66683	13.73689	0.0517562	0.23397919	2.6082621	21	—	—
169058 2001 FC_{117}	15.7	X	340.31212	95.14642	9.40370	11.88493	0.0138983	0.23030004	2.6359674	21	—	—
169059 2001 FV_{124}	16.3	X	12.59370	150.20851	29.25686	15.06984	0.0745168	0.24330509	2.5411790	21	3 6.6	19.5
169060 2001 FY_{124}	16.5	X	18.04041	137.04890	15.06703	10.60486	0.1103061	0.24138751	2.5546193	21	1 31.1	19.5
169061 2001 FP_{126}	16.1	X	339.11789	108.56897	74.89029	5.21393	0.1608270	0.23969912	2.5666014	21	—	—
169062 2001 FN_{137}	16.1	X	207.52805	78.71495	82.16459	6.64976	0.1475487	0.26719210	2.3873731	21	10 20.3	19.6
169063 2001 FO_{144}	15.8	X	194.68585	225.78293	40.01996	12.55825	0.2106005	0.22715153	2.6602693	21	—	—
169064 2001 FM_{146}	16.2	X	68.69974	339.89630	283.38425	6.45782	0.0942535	0.26137801	2.4226463	21	9 24.3	19.4
169065 2001 FO_{156}	16.2	X	277.24420	11.04913	124.84831	6.50981	0.1105925	0.27518344	2.3409269	21	12 24.4	18.5
169066 2001 FR_{157}	15.9	X	213.45625	60.27866	82.19611	6.09592	0.1741932	0.26724979	2.3870296	21	9 30.4	19.5
169067 2001 FK_{167}	17.1	X	324.33960	109.30705	26.92502	21.69562	0.0676138	0.37620238	1.9004438	21	—	—
169068 2001 FX_{167}	16.6	X	254.89996	271.09536	1.32034	3.23394	0.0885079	0.23974586	2.5662678	21	1 23.7	20.4
169069 2001 FC_{171}	16.5	X	295.84487	55.20781	128.05351	10.04845	0.2000519	0.28319292	2.2965776	21	—	—
169070 2001 FM_{176}	16.4	X	199.98345	60.52040	92.91825	8.32447	0.1135814	0.26663037	2.3907251	21	10 7.1	19.9
169071 2001 FR_{185}	8.0	X	345.56854	336.64821	287.64899	5.62701	0.1947121	0.00398545	39.3989459	21	5 22.9	23.1
169072 2001 FN_{196}	15.7	X	259.36500	152.25300	63.04358	10.49853	0.1474856	0.23061970	2.6335311	21	—	—
169073 2001 GZ_{3}	15.6	X	268.70738	19.36196	116.63830	13.99112	0.2151546	0.22500952	2.6771258	21	11 17.5	19.1
169074 2001 GK_{7}	15.3	X	68.39180	215.47520	70.28329	15.52452	0.2068442	0.21207139	2.7849324	21	11 8.9	19.5
169075 2001 GX_{10}	16.5	X	250.94470	14.52921	119.48345	3.64956	0.1053816	0.27034463	2.3687772	21	11 11.5	19.4
169076 2001 GY_{10}	15.7	X	197.93425	198.95857	52.44012	11.05144	0.0528630	0.22832526	2.6511445	21	—	—
169077 2001 HT_{3}	15.7	X	258.69795	355.48739	187.54849	13.66534	0.0967616	0.22710203	2.6606559	21	—	—
169078 Chuckshaw	16.1	X	280.60637	134.00546	65.82755	14.35370	0.2006662	0.23386068	2.6091432	21	—	—
169079 2001 HO_{14}	16.2	X	43.37565	133.47611	19.93058	10.50728	0.0415381	0.24457812	2.5323534	21	3 13.7	19.3
169080 2001 HT_{32}	16.1	X	153.03410	220.22904	48.89132	10.23579	0.1937517	0.22110962	2.7085132	21	12 29.4	20.8
169081 2001 HZ_{33}	15.9	X	309.00667	155.04707	40.32506	12.30415	0.1640399	0.23442976	2.6049190	21	—	—
169082 2001 HK_{35}	16.1	X	312.20561	322.43073	226.52080	13.16165	0.1491340	0.23399038	2.6081789	21	—	—
169083 2001 HA_{40}	16.0	X	355.14625	274.98585	214.54563	13.11453	0.1455114	0.23417713	2.6067921	21	—	—
169084 2001 HF_{49}	16.1	X	114.84408	245.68819	274.08171	5.25936	0.2220422	0.25473310	2.4645963	21	7 20.0	19.9
169085 2001 HH_{50}	15.4	X	259.82615	243.95078	328.16255	13.08856	0.1454331	0.23197250	2.6232824	21	—	—
169086 2001 HW_{54}	16.0	X	150.66191	47.30792	225.22354	11.09804	0.1635150	0.22060516	2.7126407	21	12 30.6	20.6
169087 2001 HL_{59}	16.4	X	196.67444	197.04634	23.32733	5.77082	0.0949830	0.27168368	2.3609875	21	12 27.4	19.6
169088 2001 JG_{3}	15.8	X	333.45963	345.81118	231.24597	12.32525	0.0977965	0.24045467	2.5612221	21	2 9.9	19.3
169089 2001 JC_{7}	15.7	X	358.40485	68.55347	77.56879	8.62310	0.1640163	0.23651527	2.5895836	21	—	—
169090 2001 JT_{7}	15.9	X	211.75592	205.02270	64.22886	10.89786	0.1605372	0.22917735	2.6445691	21	—	—
169091 2001 KA_{14}	14.9	X	125.66257	82.42717	200.34145	14.47960	0.1849188	0.21915101	2.7246271	21	12 22.1	19.7
169092 2001 KN_{21}	15.3	X	83.42530	304.16680	63.66555	14.50526	0.1843386	0.22198778	2.7013654	21	—	—
169093 2001 KK_{22}	16.1	X	281.01927	330.68271	241.57675	12.48098	0.1188412	0.23131263	2.6282690	21	—	—
169094 2001 KQ_{32}	15.7	X	352.44537	143.47538	217.45455	10.05881	0.1709501	0.20918834	2.8104621	21	10 12.1	18.7
169095 2001 KT_{36}	15.9	X	121.43723	226.35348	68.67235	14.50039	0.1912414	0.21816247	2.7328514	21	—	—
169096 2001 KP_{49}	15.6	X	161.16909	187.04984	73.08890	14.61517	0.1421626	0.21927492	2.7236005	21	12 26.3	20.0
169097 2001 KT_{53}	16.1	X	201.55518	19.00558	175.04114	5.06448	0.1567996	0.21913084	2.7247943	21	11 16.1	20.3
169098 2001 KW_{58}	15.4	X	146.61878	57.43304	212.72066	12.08190	0.1175479	0.21758682	2.7376693	21	12 24.6	19.9
169099 2001 KC_{63}	15.8	X	147.10146	39.54524	105.98391	6.92281	0.2130059	0.25839538	2.4412536	21	8 1.1	19.8
169100 2001 KX_{69}	15.8	X	264.54353	113.30739	106.71295	4.95084	0.0769346	0.23036720	2.6354551	21	—	—
169101 2001 KD_{72}	15.9	X	302.14874	2.20034	275.74168	5.10242	0.1837839	0.24092533	2.5578853	21	3 9.4	19.4
169102 2001 KW_{75}	15.7	X	111.86596	82.24260	172.15308	9.16286	0.1192347	0.21232782	2.7826897	21	11 4.9	20.0
169103 2001 LB_{3}	15.7	X	206.47212	6.79247	243.43208	5.10818	0.2857841	0.22444625	2.6816030	21	—	—
169104 2001 NN_{8}	15.5	X	346.43645	188.22190	115.75529	3.29593	0.0753876	0.19625055	2.9326627	21	7 12.2	19.2
169105 2001 NK_{10}	15.6	X	277.51103	188.77741	122.69632	2.88742	0.2132229	0.18734213	3.0249097	21	3 30.5	20.1
169106 2001 OK_{4}	15.6	X	9.96795	244.15061	90.19386	6.92129	0.0705778	0.20292704	2.8679799	21	10 3.0	19.3
169107 2001 OW_{7}	15.1	X	248.95786	149.60652	186.88807	6.04911	0.1961484	0.18434774	3.0575777	21	4 3.3	20.1
169108 2001 OO_{17}	15.8	X	252.93877	1.83284	297.26944	2.67781	0.2615298	0.18216432	3.0819612	21	2 17.2	21.0
169109 2001 OY_{24}	15.0	X	168.15540	126.73839	256.26658	8.83856	0.2366727	0.17783644	3.1317629	21	3 20.4	20.5
169110 2001 OF_{34}	15.7	X	346.09094	349.39900	52.67903	8.09825	0.3553339	0.20205638	2.8762127	21	12 14.3	17.5
169111 2001 OV_{35}	15.2	X	289.84795	6.91016	348.94039	9.48199	0.1337251	0.19308078	2.9646723	21	6 18.5	19.4
169112 2001 OS_{42}	15.3	X	248.33590	0.06224	342.39625	8.68295	0.1425410	0.18243866	3.0788708	21	4 10.9	20.2
169113 2001 OB_{43}	15.1	X	248.60516	22.99109	285.39332	9.57061	0.0532667	0.17698556	3.1417925	21	3 8.3	19.8
169114 2001 OK_{47}	15.1	X	297.54904	12.82855	317.62331	4.57113	0.2067908	0.19099143	2.9862543	21	5 13.9	19.3
169115 2001 OC_{62}	15.3	X	273.24722	6.19924	331.53471	5.02731	0.1552112	0.18866192	3.0107859	21	4 30.6	19.8
169116 2001 OT_{69}	14.9	X	243.92532	48.98183	344.18727	9.18554	0.3396632	0.18654258	3.0335471	21	5 23.1	20.4
169117 2001 OZ_{74}	15.5	X	231.98616	27.73517	268.79765	6.07713	0.2910479	0.17755496	3.1350719	21	1 29.2	21.1
169118 2001 OG_{78}	15.4	X	226.92420	274.85100	77.22209	10.71272	0.1140810	0.18397515	3.0617045	21	4 11.6	20.3
169119 2001 OE_{79}	15.8	X	317.97506	270.74581	71.60027	2.62335	0.1600422	0.19608858	2.9342775	21	7 9.7	19.2
169120 2001 PV_{7}	15.3	X	260.97604	279.49730	49.38791	10.15522	0.0863879	0.18510920	3.0491870	21	4 18.8	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
169121 2001 PJ_{16}	15.4	X	225.90338	1.72185	359.40930	5.13357	0.1725836	0.18486516	3.0518699	21	4 12.2	20.4
169122 2001 PQ_{24}	14.9	X	267.76318	309.25055	343.15031	16.91642	0.1591250	0.18112206	3.0937733	21	3 3.4	19.7
169123 2001 PD_{25}	15.3	X	168.09770	177.10858	207.30524	4.69159	0.2008422	0.17690180	3.1427840	21	3 23.7	20.6
169124 2001 PZ_{25}	15.6	X	40.30083	283.54992	132.74774	9.83797	0.1539669	0.21235756	2.7824299	21	—	—
169125 2001 PZ_{27}	15.3	X	265.36576	285.05846	72.62589	5.38149	0.1815118	0.18975708	2.9991906	21	5 16.2	19.7
169126 2001 PP_{30}	15.3	X	196.03983	354.29556	19.24685	10.04484	0.1052547	0.18253236	3.0778171	21	4 3.2	20.1
169127 2001 PD_{31}	15.6	X	206.96329	125.71857	189.20411	17.12365	0.1513356	0.17572902	3.1567514	21	1 31.9	21.0
169128 2001 PT_{34}	14.9	X	195.81512	120.91299	274.48910	8.61955	0.0939310	0.18219834	3.0815776	21	4 26.0	19.7
169129 2001 PW_{35}	15.1	X	146.20626	319.63524	276.04705	11.82656	0.1419425	0.21001393	2.8030918	21	11 11.3	19.8
169130 2001 PV_{40}	16.4	X	19.85333	90.02525	310.90661	16.66406	0.1248137	0.35637584	1.9702918	21	—	—
169131 2001 PR_{46}	15.7	X	208.09210	270.13534	54.43897	7.51350	0.2621327	0.17804640	3.1293004	21	2 18.4	21.3
169132 2001 PP_{52}	15.3	X	269.15463	346.44011	29.79701	11.29257	0.1182730	0.19037423	2.9927052	21	6 20.1	19.7
169133 2001 PT_{54}	15.7	X	312.59945	150.83368	170.25698	3.86692	0.1274026	0.19217837	2.9739458	21	6 6.7	19.4
169134 2001 QB_{36}	15.2	X	260.70251	55.22194	319.14793	10.75873	0.1425496	0.19159073	2.9800238	21	6 4.1	19.9
169135 2001 QM_{42}	15.3	X	241.19888	64.53739	326.38830	10.02676	0.0822139	0.19117636	2.9843282	21	6 10.6	19.9
169136 2001 QD_{52}	15.2	X	187.94229	29.77070	336.07475	16.46952	0.2027697	0.17936629	3.1139299	21	3 14.9	20.6
169137 2001 QM_{57}	15.0	X	165.71876	260.28479	134.23552	12.09554	0.2600499	0.17758385	3.1347319	21	4 10.2	20.6
169138 2001 QG_{59}	14.8	X	166.18653	83.08162	326.30874	14.49992	0.2327788	0.17707518	3.1407323	21	4 15.3	20.5
169139 2001 QK_{72}	15.8	X	256.32145	110.26674	169.77056	1.65535	0.1881575	0.17910421	3.1169669	21	2 3.9	20.9
169140 2001 QO_{87}	15.1	X	104.72349	183.10168	257.33238	12.78752	0.1886102	0.17281783	3.1921039	21	3 24.8	20.0
169141 2001 QQ_{92}	15.5	X	276.67315	309.62170	26.71883	9.18339	0.0514111	0.18841848	3.0133787	21	5 17.5	19.7
169142 2001 QD_{108}	15.5	X	273.84611	208.73470	108.64041	2.93905	0.1786808	0.18471486	3.0535251	21	4 7.2	20.0
169143 2001 QG_{113}	14.8	X	117.82278	99.83403	278.27692	7.49114	0.1353504	0.16838796	3.2478455	21	1 22.9	19.5
169144 2001 QT_{115}	15.2	X	290.03294	148.06984	188.86961	12.60940	0.1142007	0.18817469	3.0159809	21	5 29.6	19.5
169145 2001 QH_{121}	15.1	X	231.30412	52.90406	345.36327	9.85078	0.1171319	0.18992592	2.9974128	21	6 4.7	19.9
169146 2001 QL_{121}	15.5	X	358.52983	234.55421	94.40598	3.25614	0.0989948	0.19851761	2.9102929	21	9 6.5	18.9
169147 2001 QB_{126}	15.5	X	247.23107	138.17537	209.74805	10.76396	0.1637656	0.18318953	3.0704518	21	4 17.6	20.2
169148 2001 QG_{127}	14.9	X	173.30418	39.78584	288.95888	10.90362	0.1939552	0.17264663	3.1942138	21	1 23.6	20.3
169149 2001 QO_{133}	14.9	X	274.88503	82.32619	253.14443	8.26260	0.0812622	0.18659789	3.0329475	21	5 11.1	19.2
169150 2001 QB_{156}	15.6	X	170.63124	109.83941	243.47538	3.25559	0.1773862	0.17456320	3.1707907	21	2 16.8	20.8
169151 2001 QA_{157}	15.1	X	228.74589	56.32212	245.96692	4.11125	0.1374233	0.17699677	3.1416598	21	2 7.2	20.1
169152 2001 QA_{163}	15.2	X	237.00424	118.23260	224.08309	4.80314	0.1542111	0.18315795	3.0708047	21	3 31.9	20.1
169153 2001 QV_{166}	15.0	X	258.03340	275.40877	117.28153	12.37311	0.1315745	0.19151409	2.9808187	21	6 27.2	19.4
169154 2001 QJ_{172}	15.3	X	278.16830	69.41335	204.33894	9.04803	0.0548026	0.17957310	3.1115387	21	3 2.1	19.9
169155 2001 QS_{179}	15.7	X	301.47463	309.31089	56.96250	3.48688	0.2397246	0.19243935	2.9712564	21	7 2.6	19.5
169156 2001 QS_{183}	15.7	X	119.25274	230.24432	181.93251	11.83089	0.1114980	0.17079660	3.2172384	21	3 1.8	20.4
169157 2001 QH_{187}	14.4	X	234.15961	72.76727	246.77550	18.29553	0.3090088	0.17846125	3.1244489	21	2 17.9	20.4
169158 2001 QZ_{187}	15.0	X	157.22511	93.71752	282.43639	12.82023	0.0320860	0.17369112	3.1813954	21	2 16.4	19.8
169159 2001 QQ_{191}	14.6	X	225.44028	136.69520	257.71345	14.75188	0.1267311	0.18513137	3.0489435	21	5 25.5	19.5
169160 2001 QG_{194}	15.4	X	140.31971	21.60813	300.39175	12.00694	0.1175964	0.21368093	2.7709299	21	—	—
169161 2001 QU_{202}	15.7	X	51.60776	183.53751	96.76612	4.84221	0.1131896	0.20058499	2.8902613	21	9 26.5	19.5
169162 2001 QJ_{204}	15.4	X	356.28896	1.25901	289.03230	8.97342	0.0565898	0.19255246	2.9700926	21	7 9.4	19.1
169163 2001 QZ_{205}	15.5	X	280.95935	125.07770	177.63183	4.49465	0.1550555	0.18426236	3.0585221	21	3 29.9	19.9
169164 2001 QF_{209}	15.5	X	262.79156	173.65998	158.04661	7.05167	0.1031036	0.18573101	3.0423775	21	4 22.4	20.0
169165 2001 QF_{213}	15.1	X	160.74668	263.10326	170.15282	25.56854	0.2894357	0.17866067	3.1221235	21	5 21.7	21.1
169166 2001 QD_{218}	16.1	X	279.89491	328.99353	350.66284	3.15726	0.2144604	0.18635698	3.0355608	21	4 9.6	20.6
169167 2001 QO_{225}	15.1	X	286.97857	90.74861	274.68574	8.61027	0.0771797	0.19061393	2.9901958	21	7 5.8	19.0
169168 2001 QS_{225}	14.6	X	178.60178	53.28474	320.77272	15.61301	0.2225591	0.17644456	3.1482113	21	3 15.6	20.2
169169 2001 QU_{225}	15.2	X	265.47272	113.88689	220.96445	10.33506	0.0279530	0.18372248	3.0645110	21	5 7.3	19.4
169170 2001 QQ_{231}	15.3	X	219.59029	166.15136	197.40914	11.76395	0.0887749	0.18299214	3.0726594	21	4 14.9	20.1
169171 2001 QW_{231}	15.3	X	340.32362	0.74184	248.67912	7.22611	0.0925236	0.18535134	3.0465308	21	4 17.0	19.2
169172 2001 QA_{232}	15.1	X	170.59377	140.14175	281.69355	10.14465	0.2120885	0.18160173	3.0883231	21	5 6.9	20.4
169173 2001 QU_{233}	15.2	X	198.80228	57.30474	347.23229	9.02376	0.1335825	0.18244204	3.0788327	21	5 9.1	20.3
169174 2001 QC_{234}	15.2	X	226.53831	10.78858	348.44247	4.86282	0.1806576	0.18183615	3.0856682	21	4 10.0	20.3
169175 2001 QZ_{241}	15.7	X	245.93772	334.10646	21.10247	1.32432	0.1824925	0.18357912	3.0661062	21	4 23.5	20.6
169176 2001 QN_{253}	15.7	X	301.12490	341.70449	11.08574	3.28596	0.0922857	0.19326727	2.9627648	21	7 7.4	19.5
169177 2001 QP_{259}	15.2	X	218.94674	135.22710	230.60173	9.00990	0.1122573	0.18072715	3.0982785	21	4 14.1	20.2
169178 2001 QH_{260}	15.1	X	124.16532	240.83616	200.07033	15.45475	0.2102854	0.17459957	3.1703504	21	4 23.4	20.1
169179 2001 QF_{266}	15.3	X	138.56666	166.75076	194.80361	15.47838	0.2235044	0.17258059	3.1950286	21	1 31.4	20.6
169180 2001 QE_{269}	14.9	X	269.24360	170.94625	228.01373	9.89248	0.0998605	0.19129766	2.9830666	21	7 20.4	19.3
169181 2001 QQ_{276}	14.6	X	222.55391	346.02999	2.54708	13.27512	0.2680666	0.18162450	3.0880650	21	3 23.6	20.1
169182 2001 QJ_{283}	14.9	X	202.92054	155.56697	222.35265	12.50169	0.2216788	0.18111441	3.0938603	21	4 11.6	20.3
169183 2001 QN_{289}	15.4	X	196.32798	248.40523	146.86569	16.39115	0.3403896	0.18188649	3.0850988	21	5 2.6	21.4
169184 Jameslee	15.5	X	179.31049	101.32778	274.12933	2.06402	0.0926168	0.17761554	3.1343590	21	3 18.5	20.3
169185 2001 RL_{2}	14.4	X	270.12174	49.46763	247.44784	26.11428	0.1138178	0.17917773	3.1161142	21	3 4.9	19.7
169186 2001 RZ_{2}	15.0	X	182.92714	215.83580	209.29313	14.94903	0.3196457	0.18140776	3.0905241	21	5 24.6	20.8
169187 2001 RZ_{9}	14.9	X	137.63032	179.66467	249.88340	26.51977	0.1138398	0.17629266	3.1500194	21	4 6.2	20.1
169188 2001 RF_{18}	15.2	X	174.41890	56.04174	313.22408	8.04742	0.1465523	0.17758079	3.1347680	21	3 7.3	20.2
169189 2001 RZ_{28}	15.3	X	278.86096	133.32353	169.72345	12.98248	0.1269383	0.18346467	3.0673812	21	4 2.0	19.8
169190 2001 RT_{29}	14.9	X	254.96128	281.95841	343.44581	9.62101	0.1763371	0.17545492	3.1600383	21	1 20.9	20.1
169191 2001 RF_{30}	15.7	X	229.85430	287.71698	116.85649	2.01273	0.1246028	0.18755496	3.0226209	21	6 12.1	20.4
169192 2001 RR_{37}	15.3	X	217.52278	142.05267	286.90207	3.38173	0.1591956	0.18734740	3.0248529	21	6 27.7	20.1
169193 2001 RS_{37}	15.4	X	200.27926	253.77578	181.68680	10.10563	0.0976364	0.18931085	3.0039017	21	6 21.6	20.2
169194 2001 RX_{44}	15.4	X	267.87039	135.13974	222.16114	10.76230	0.1574109	0.18889021	3.0083596	21	5 21.4	19.8
169195 2001 RP_{54}	15.9	X	187.15253	159.12995	171.99992	4.73377	0.1816687	0.17384531	3.1795139	21	2 5.9	21.1
169196 2001 RV_{56}	15.2	X	190.99152	231.72711	166.05333	11.30282	0.1654990	0.18084496	3.0969328	21	4 29.9	20.4
169197 2001 RT_{61}	15.2	X	124.00609	86.38046	22.26732	11.00681	0.0758959	0.18190403	3.0849005	21	5 8.6	19.7
169198 2001 RG_{66}	14.8	X	234.97652	134.87893	215.00608	9.94956	0.1056092	0.18038345	3.1022128	21	4 12.0	19.6
169199 2001 RH_{67}	14.9	X	230.12524	37.44536	307.95901	4.10151	0.1526217	0.17945706	3.1128798	21	3 29.0	19.9
169200 2001 RB_{74}	14.8	X	199.42961	0.18211	357.64930	15.39781	0.1025951	0.17552595	3.1591858	21	3 18.8	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
169201 2001 RC_{82}	15.0	X	207.11432	75.43929	254.47354	8.74238	0.1397111	0.17608993	3.1524367	21	2 17.5	20.2
169202 2001 RD_{82}	15.1	X	157.77761	219.01994	198.45009	16.80910	0.2174795	0.17783564	3.1317723	21	4 25.5	20.4
169203 2001 RK_{82}	15.0	X	149.33922	121.56534	265.23870	8.03612	0.1025160	0.17412470	3.1761119	21	2 28.0	19.9
169204 2001 RO_{82}	15.0	X	267.80673	134.50789	191.83979	14.86112	0.1270501	0.18393281	3.0621743	21	4 17.6	19.5
169205 2001 RS_{82}	15.5	X	276.20368	18.72856	313.26710	8.65948	0.0916097	0.18591974	3.0403183	21	5 4.3	20.1
169206 2001 RU_{89}	15.0	X	300.95723	305.60692	14.82266	9.04091	0.0893703	0.18673692	3.0314420	21	5 22.9	19.2
169207 2001 RX_{95}	15.0	X	183.32740	244.00604	184.44987	22.22549	0.1612936	0.18083720	3.0970213	21	5 28.9	20.4
169208 2001 RD_{100}	15.2	X	219.54947	347.29889	2.08993	10.66763	0.1187816	0.18107237	3.0943393	21	3 26.7	20.2
169209 2001 RS_{101}	15.0	X	227.72462	206.41290	150.83792	12.11355	0.0937692	0.18253251	3.0778153	21	4 18.8	19.8
169210 2001 RE_{106}	15.3	X	97.15931	9.40526	159.41343	9.73940	0.0733283	0.18894493	3.0077788	21	6 23.9	19.7
169211 2001 RF_{110}	15.2	X	146.22421	89.59972	0.86987	9.13988	0.0243694	0.18366103	3.0651945	21	5 5.7	19.8
169212 2001 RS_{110}	15.3	X	231.79410	288.64634	2.32012	9.51889	0.2007694	0.17562408	3.1580088	21	1 30.2	20.7
169213 2001 RQ_{111}	15.7	X	225.04525	53.21274	8.42418	0.77988	0.1630597	0.18815263	3.0162165	21	6 25.5	20.3
169214 2001 RG_{115}	15.9	X	259.35761	183.51316	142.90711	3.55387	0.0498745	0.18239955	3.0793109	21	4 17.7	20.3
169215 2001 RX_{116}	15.1	X	257.34165	317.41349	23.15671	10.19654	0.0924455	0.18401061	3.0613112	21	4 25.1	19.7
169216 2001 RH_{120}	14.9	X	171.46806	21.43409	13.19472	14.15975	0.3082987	0.17675736	3.1444959	21	4 10.2	20.6
169217 2001 RP_{121}	15.0	X	352.82794	243.65994	3.74793	13.12484	0.0787547	0.18475089	3.0531280	21	5 2.1	19.1
169218 2001 RP_{127}	15.4	X	199.36203	293.91703	87.14540	2.89710	0.2102651	0.18001455	3.1064496	21	4 15.4	20.8
169219 2001 RU_{133}	15.1	X	152.57478	271.79511	166.74562	15.04696	0.1308372	0.17973232	3.1097008	21	5 13.2	20.2
169220 2001 RP_{137}	16.1	X	290.10697	241.62940	166.03381	0.82813	0.0197499	0.19693286	2.9258850	21	9 12.4	20.2
169221 2001 RZ_{139}	15.8	X	203.83584	65.65240	26.60103	4.19928	0.1074215	0.18859667	3.0114804	21	7 16.9	20.4
169222 2001 RJ_{145}	15.0	X	280.25899	86.54930	287.53871	8.78628	0.1232208	0.19289746	2.9665503	21	7 1.7	19.1
169223 2001 RO_{146}	14.8	X	215.30078	49.26809	279.17196	14.45411	0.0596894	0.17687890	3.1430554	21	2 21.9	19.8
169224 2001 RO_{148}	15.0	X	291.04574	314.91790	23.78663	9.76982	0.0730986	0.19000838	2.9965455	21	6 5.3	19.2
169225 2001 RU_{151}	15.5	X	222.37300	310.13621	56.74593	9.03289	0.2086167	0.18161881	3.0881294	21	4 18.2	20.7
169226 2001 SS_{6}	15.4	X	204.72688	311.56896	167.24605	1.61343	0.2602564	0.18960817	3.0007606	21	8 10.8	20.7
169227 2001 SX_{10}	14.7	X	144.15315	123.29699	315.46353	26.23250	0.1785064	0.17967740	3.1103344	21	4 22.6	20.3
169228 2001 SD_{14}	15.2	X	168.72599	22.37358	9.86031	4.25761	0.0895593	0.17713966	3.1399701	21	3 28.9	19.9
169229 2001 SB_{17}	15.0	X	144.20776	77.31880	3.78305	13.92500	0.1664112	0.17811518	3.1284947	21	5 2.8	20.2
169230 2001 SF_{17}	14.9	X	18.57223	232.77792	6.36018	10.65340	0.0924857	0.18615501	3.0377561	21	6 3.5	18.9
169231 2001 SO_{17}	14.9	X	120.15785	140.62338	8.54501	12.10892	0.1018425	0.18521360	3.0480409	21	6 30.8	19.6
169232 2001 SB_{24}	15.1	X	137.31527	236.61912	183.40821	9.03174	0.0945235	0.17517170	3.1634436	21	3 30.3	19.7
169233 2001 SF_{32}	15.5	X	253.15811	196.88677	102.69424	1.97891	0.1628597	0.17690766	3.1427147	21	2 26.7	20.4
169234 2001 SQ_{32}	15.7	X	354.28233	311.69237	38.09698	2.58189	0.1186063	0.19615892	2.9335760	21	9 27.5	19.0
169235 2001 SO_{35}	15.6	X	329.63763	269.78716	129.85755	3.06356	0.0674053	0.19830886	2.9123348	21	10 24.9	19.2
169236 2001 SW_{58}	15.5	X	239.86386	299.18101	104.02878	2.76257	0.1704081	0.18491147	3.0513602	21	6 16.5	20.2
169237 2001 SF_{72}	15.6	X	222.35464	289.27305	90.68367	7.02393	0.3098409	0.18015598	3.1048236	21	4 29.5	21.2
169238 2001 SE_{77}	14.8	X	223.29013	103.94391	212.42598	11.24541	0.0464321	0.17417502	3.1755001	21	2 20.0	19.7
169239 2001 ST_{79}	15.4	X	167.93050	131.10278	239.20454	3.53006	0.1387981	0.17691495	3.1426283	21	3 3.4	20.5
169240 2001 SN_{83}	16.2	X	46.25179	137.15847	288.87101	3.78192	0.1055815	0.21491815	2.7602854	21	—	—
169241 2001 SV_{85}	15.2	X	125.79146	256.59443	187.20221	10.64025	0.1263203	0.17820015	3.1275001	21	4 19.8	19.8
169242 2001 SR_{91}	15.0	X	351.75476	256.21897	340.04665	10.56643	0.0764316	0.18285594	3.0741850	21	4 16.1	19.0
169243 2001 SR_{92}	15.3	X	216.63647	330.11989	329.54536	2.34601	0.0541549	0.17252299	3.1957397	21	1 28.4	20.0
169244 2001 SG_{94}	15.7	X	229.57670	45.84986	312.90851	5.98169	0.1869373	0.18188333	3.0851347	21	4 10.3	20.9
169245 2001 SM_{94}	15.0	X	301.09514	346.26586	324.97977	9.08871	0.0281203	0.18488104	3.0516950	21	5 19.9	19.4
169246 2001 SQ_{96}	15.4	X	146.03750	153.98361	280.28584	0.70096	0.1973661	0.17756515	3.1349520	21	5 2.9	20.5
169247 2001 SF_{98}	15.1	X	65.79751	293.77208	226.59633	4.60935	0.1199109	0.18015749	3.1048062	21	5 8.9	19.0
169248 2001 ST_{98}	15.6	X	192.00443	177.26599	184.85185	9.83590	0.0848548	0.17679791	3.1440152	21	3 15.7	20.5
169249 2001 SA_{102}	15.5	X	296.02472	105.70743	189.32310	8.69174	0.1341966	0.18336698	3.0684705	21	4 10.4	19.7
169250 2001 SW_{102}	15.2	X	76.80171	238.94853	227.85977	4.02525	0.1443964	0.17235828	3.1977754	21	3 20.0	19.4
169251 2001 SG_{113}	15.2	X	140.59631	284.90056	204.43839	10.09056	0.0640696	0.18475975	3.0530304	21	6 23.5	19.9
169252 2001 SC_{116}	15.2	X	204.83061	28.48958	325.12710	4.26933	0.1572998	0.17794208	3.1305233	21	3 17.1	20.2
169253 2001 SZ_{118}	15.3	X	264.51911	186.99934	207.07088	7.92558	0.0214617	0.19098034	2.9863700	21	7 20.3	19.6
169254 2001 SH_{120}	15.5	X	41.06711	54.21005	231.16223	4.06085	0.0837056	0.19621591	2.9330079	21	9 8.9	19.4
169255 2001 SP_{129}	15.1	X	230.17699	116.40207	195.31644	9.48504	0.2025175	0.17663698	3.1459245	21	2 15.8	20.5
169256 2001 SW_{147}	15.2	X	179.92748	91.98380	315.52626	6.84407	0.1032974	0.17952565	3.1120868	21	4 24.8	20.2
169257 2001 SB_{150}	15.3	X	246.50831	109.69520	223.71443	4.92917	0.0719983	0.17955202	3.1117822	21	4 7.0	19.8
169258 2001 SH_{157}	15.1	X	192.22109	70.93714	285.81525	5.56731	0.1860131	0.17497671	3.1657932	21	3 9.3	20.4
169259 2001 ST_{165}	15.8	X	167.74627	168.35465	220.58475	0.44319	0.1995006	0.17661184	3.1462231	21	3 29.3	21.0
169260 2001 SM_{169}	15.3	X	289.83083	208.21819	79.30217	6.18182	0.1240370	0.18095723	3.0956516	21	3 28.9	19.7
169261 2001 SN_{170}	15.0	X	152.53187	102.72567	337.92779	14.88325	0.0774785	0.18101201	3.0950271	21	5 2.0	20.0
169262 2001 SZ_{170}	15.9	X	290.38260	79.73215	169.85334	2.93494	0.1717461	0.17826121	3.1267859	21	2 2.5	20.6
169263 2001 SV_{175}	14.8	X	149.30550	357.41090	101.60270	6.03877	0.1467888	0.17945181	3.1129405	21	6 2.3	19.8
169264 2001 SQ_{176}	15.3	X	200.78260	295.20365	77.94895	5.90963	0.1173307	0.17713274	3.1400519	21	4 9.7	20.3
169265 2001 SV_{176}	14.7	X	227.69216	304.33455	54.75406	12.04455	0.0534245	0.17858410	3.1230159	21	4 22.9	19.3
169266 2001 SP_{182}	15.5	X	241.73696	90.40131	339.85213	3.42684	0.1613177	0.19232432	2.9724410	21	7 23.8	20.1
169267 2001 SE_{186}	15.0	X	326.87294	66.37152	168.99249	22.67238	0.0331199	0.17973467	3.1096736	21	3 22.0	19.2
169268 2001 SN_{186}	15.2	X	83.59533	8.15531	157.40892	11.53799	0.1003289	0.18560076	3.0438008	21	6 7.7	19.6
169269 2001 SN_{194}	15.1	X	148.26160	117.37764	358.81149	15.96718	0.1323979	0.18485331	3.0520002	21	6 20.7	20.2
169270 2001 SH_{201}	15.4	X	257.75861	301.73253	23.46192	11.23928	0.0913044	0.18206659	3.0830641	21	4 8.8	19.8
169271 2001 SX_{204}	15.4	X	95.27887	22.34607	169.35852	9.16845	0.0521275	0.18916990	3.0053936	21	7 16.7	19.7
169272 2001 SM_{210}	15.1	X	110.80854	107.55276	7.41539	13.55101	0.2592379	0.17630346	3.1498908	21	5 22.1	20.3
169273 2001 SR_{210}	15.3	X	153.62189	222.98067	172.19235	5.60472	0.1029727	0.17481127	3.1677903	21	3 18.4	20.0
169274 2001 SB_{211}	15.7	X	203.81839	305.67719	27.71835	0.83791	0.1728167	0.17523286	3.1627074	21	2 22.8	21.0
169275 2001 SK_{211}	15.7	X	243.29384	297.26158	20.59174	1.81688	0.1875625	0.17908344	3.1172079	21	3 8.9	20.7
169276 2001 SS_{215}	15.9	X	329.79212	277.97670	1.69567	1.64984	0.0258014	0.18538319	3.0461817	21	5 19.7	20.0
169277 2001 SN_{219}	16.0	X	234.04510	183.55270	144.18118	1.63420	0.1775486	0.17872718	3.1213489	21	3 12.9	21.1
169278 2001 SE_{222}	15.9	X	278.67139	197.16292	112.31464	2.18244	0.1703138	0.18261652	3.0768714	21	4 3.6	20.5
169279 2001 SL_{230}	15.3	X	167.73185	49.22561	20.12341	12.95675	0.1162330	0.17875546	3.1210197	21	5 9.6	20.3
169280 2001 SQ_{231}	15.2	X	136.74635	74.41636	33.30542	10.22279	0.0172879	0.18066984	3.0989336	21	5 16.7	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
169281 2001 SM_{234}	15.4	X	103.13384	283.16403	160.97872	3.41739	0.2831031	0.16914773	3.2381125	21	4 15.6	20.4
169282 2001 ST_{238}	14.8	X	177.83307	334.49387	53.84807	10.22741	0.0889748	0.17531616	3.1617055	21	4 6.4	19.7
169283 2001 SS_{239}	15.5	X	148.43129	325.06915	29.33296	5.32799	0.0997816	0.16847163	3.2467700	21	1 26.5	20.4
169284 2001 SB_{248}	15.6	X	293.45995	251.59769	112.03303	2.80247	0.1780322	0.18872638	3.0101004	21	6 27.1	19.4
169285 2001 SY_{251}	15.3	X	172.43505	239.39572	149.53863	2.68442	0.1368825	0.17424349	3.1746681	21	3 31.8	20.3
169286 2001 SG_{255}	15.5	X	243.42975	108.05270	187.08595	9.61874	0.2012296	0.17418875	3.1753333	21	2 8.3	20.9
169287 2001 ST_{264}	15.7	X	155.71924	193.34238	193.83058	4.60099	0.0870364	0.17324907	3.1868046	21	3 8.8	20.4
169288 2001 SD_{290}	14.8	X	192.05599	201.79639	273.16993	10.44035	0.0782886	0.18983005	2.9984219	21	7 30.7	19.4
169289 2001 SD_{299}	15.2	X	285.56308	51.68108	194.67380	5.74143	0.1377898	0.17557714	3.1585717	21	1 28.2	19.9
169290 2001 SM_{302}	15.7	X	233.34192	53.28749	244.37966	1.55530	0.1259090	0.17435292	3.1733396	21	2 7.8	20.7
169291 2001 SG_{304}	16.0	X	326.93412	125.11456	254.38617	1.03376	0.0762639	0.19583868	2.9367731	21	9 21.5	19.7
169292 2001 SF_{306}	15.8	X	188.44311	16.53072	5.95483	7.60161	0.0526905	0.17716314	3.1396926	21	4 4.8	20.6
169293 2001 SQ_{314}	15.0	X	63.83622	72.62031	42.98114	7.04029	0.0965684	0.17221536	3.1995443	21	3 11.2	19.2
169294 2001 SC_{315}	14.7	X	115.57319	239.35162	251.53306	11.30068	0.1802648	0.18033504	3.1027680	21	6 10.5	19.4
169295 2001 SP_{324}	15.0	X	299.61735	29.87938	246.55224	8.52360	0.0465895	0.18126444	3.0921530	21	3 31.7	19.4
169296 2001 SW_{333}	15.3	X	16.99978	187.66169	19.31078	11.24947	0.0550863	0.17888933	3.1194624	21	4 19.8	19.4
169297 2001 SR_{349}	15.2	X	229.68565	101.89944	240.12675	13.86463	0.0984117	0.17769236	3.1334556	21	3 25.1	20.3
169298 2001 SS_{349}	15.2	X	267.07392	91.33714	246.45420	10.57382	0.0840860	0.18258299	3.0772481	21	5 4.1	19.8
169299 Sirko	15.1	X	206.42914	327.86087	80.88666	11.49881	0.0806351	0.18128352	3.0919360	21	5 27.6	19.7
169300 2001 SL_{353}	15.6	X	239.66917	125.48694	194.88554	11.42816	0.0541423	0.17573951	3.1566259	21	3 16.2	20.4
169301 2001 TO_{2}	15.6	X	201.71805	28.01424	355.74320	7.19981	0.1061155	0.17969487	3.1101328	21	4 18.4	20.5
169302 2001 TF_{3}	15.4	X	83.41081	247.47858	221.07545	8.92215	0.0971117	0.17153040	3.2080563	21	3 23.6	19.9
169303 2001 TB_{12}	14.8	X	161.28644	331.52869	49.33433	17.79277	0.1897341	0.17186371	3.2039072	21	3 23.6	20.3
169304 2001 TB_{23}	15.8	X	264.10008	27.79658	304.53151	1.70373	0.2145500	0.18302604	3.0722800	21	4 9.5	20.6
169305 2001 TJ_{49}	15.2	X	142.68334	205.71274	241.87076	6.07584	0.1402347	0.17630479	3.1498749	21	5 11.6	20.1
169306 2001 TX_{60}	15.2	X	220.34982	323.52356	12.64328	6.26629	0.1667463	0.17584667	3.1553433	21	3 12.7	20.4
169307 2001 TC_{66}	15.3	X	193.76335	15.24340	343.50929	1.90431	0.1977159	0.17423135	3.1748156	21	3 15.4	20.7
169308 2001 TA_{70}	15.2	X	306.60927	61.22102	206.48766	13.41786	0.1144739	0.17800645	3.1297685	21	3 21.5	19.6
169309 2001 TF_{81}	14.5	X	64.74591	153.76382	352.66527	16.25318	0.0922469	0.17693394	3.1424035	21	4 10.0	18.8
169310 2001 TQ_{81}	15.5	X	150.93673	121.41012	281.35643	4.88433	0.1437861	0.17444092	3.1722724	21	3 25.2	20.6
169311 2001 TV_{81}	15.4	X	308.20200	354.74188	299.96920	4.29536	0.1519860	0.18459614	3.0548341	21	4 20.6	19.5
169312 2001 TM_{99}	15.0	X	24.36608	345.49265	242.31897	3.51575	0.1227933	0.18269630	3.0759756	21	6 1.9	18.6
169313 2001 TJ_{106}	14.7	X	182.11026	355.70707	62.45296	16.63524	0.2686010	0.17525688	3.1624185	21	5 16.0	20.2
169314 2001 TP_{109}	15.0	X	199.55701	132.99368	235.70351	8.28312	0.0890762	0.17532030	3.1616557	21	3 29.3	19.9
169315 2001 TH_{111}	15.0	X	121.97913	81.12095	357.32359	4.37329	0.1518392	0.17162935	3.2068231	21	4 10.4	19.8
169316 2001 TJ_{120}	14.9	X	118.20843	116.49984	311.40768	12.56686	0.0803719	0.17113876	3.2129488	21	3 11.5	19.7
169317 2001 TZ_{124}	14.9	X	157.73680	88.91778	328.23196	10.31281	0.0864088	0.17595911	3.1539990	21	4 11.5	19.9
169318 2001 TH_{132}	15.5	X	211.91608	293.47065	47.86283	16.38131	0.1090504	0.17574403	3.1565717	21	3 19.7	20.7
169319 2001 TS_{133}	15.0	X	119.92669	351.30573	88.73248	11.94208	0.0916717	0.17244132	3.1967486	21	4 9.9	19.8
169320 2001 TC_{138}	14.2	X	241.19233	234.99063	57.65551	28.12784	0.2261358	0.17299144	3.1899679	21	2 15.4	20.1
169321 2001 TP_{142}	15.7	X	242.90953	241.81461	82.37636	4.37169	0.1825573	0.17899952	3.1181820	21	3 17.9	20.7
169322 2001 TJ_{144}	14.9	X	83.48034	296.05827	180.87487	18.78310	0.1276588	0.17301750	3.1896475	21	4 11.6	19.3
169323 2001 TK_{146}	15.2	X	221.27731	277.50854	32.59036	23.20044	0.1678101	0.17346440	3.1841668	21	2 22.6	20.8
169324 2001 TU_{149}	15.2	X	245.44336	235.93163	102.95784	4.49846	0.1964525	0.18020878	3.1042171	21	4 5.2	20.3
169325 2001 TU_{150}	15.5	X	148.11151	260.31722	122.59677	6.17889	0.1810599	0.17065869	3.2189713	21	3 7.1	20.6
169326 2001 TO_{151}	15.2	X	229.63069	297.73678	61.00627	10.47975	0.0577616	0.17833320	3.1259443	21	4 24.3	19.9
169327 2001 TX_{154}	15.1	X	201.05550	274.58660	64.94934	13.77621	0.0846360	0.17239097	3.1973710	21	3 6.5	20.2
169328 2001 TN_{157}	16.3	X	270.93932	248.52051	139.80711	2.12797	0.1732991	0.18631742	3.0359905	21	6 30.8	20.7
169329 2001 TX_{159}	15.1	X	85.78357	148.08888	303.84176	10.53013	0.0490976	0.17100139	3.2146692	21	2 26.6	19.6
169330 2001 TZ_{162}	15.7	X	272.48520	331.10767	357.11620	3.99340	0.1065344	0.18263128	3.0767056	21	4 25.5	20.3
169331 2001 TB_{165}	15.7	X	267.37459	280.52751	5.66943	10.41125	0.1677535	0.17737159	3.1372323	21	2 26.2	20.6
169332 2001 TU_{166}	14.5	X	213.92566	131.35119	247.47656	19.52807	0.1122392	0.17765769	3.1338633	21	4 23.9	19.7
169333 2001 TE_{172}	15.2	X	287.48227	335.81231	22.81518	7.75709	0.0078244	0.18850663	3.0124393	21	7 9.3	19.5
169334 2001 TQ_{176}	15.7	X	351.31940	41.04791	311.48801	1.11333	0.0671939	0.19418848	2.9533874	21	9 23.2	19.2
169335 2001 TK_{178}	15.1	X	113.18155	244.78074	225.94594	8.29870	0.0968464	0.17631632	3.1497376	21	5 3.9	19.7
169336 2001 TO_{178}	15.0	X	107.56952	293.59574	213.62916	16.38108	0.0870388	0.18065740	3.0990759	21	6 10.5	19.7
169337 2001 TP_{178}	15.4	X	215.18398	177.64449	216.44283	9.19339	0.0942315	0.18132171	3.0915019	21	5 17.7	20.1
169338 2001 TP_{186}	15.3	X	308.64010	30.47571	211.16475	8.89914	0.0390020	0.17456603	3.1707565	21	3 2.5	19.9
169339 2001 TO_{191}	14.5	X	154.06978	7.42734	20.56495	5.28341	0.1389095	0.16989322	3.2286330	21	3 14.8	19.6
169340 2001 TR_{193}	15.4	X	167.95437	256.33095	203.01536	7.50931	0.1154428	0.18330545	3.0691571	21	6 18.6	20.3
169341 2001 TL_{200}	14.8	X	164.76494	208.45918	167.33775	18.22942	0.1182349	0.17326944	3.1865548	21	3 7.6	19.6
169342 2001 TA_{204}	15.1	X	180.33483	284.60451	154.83221	11.21135	0.0935403	0.18364865	3.0653323	21	6 7.7	20.0
169343 2001 TD_{205}	15.1	X	166.41286	353.43227	77.82988	10.82031	0.0824202	0.17973571	3.1096617	21	5 14.2	19.9
169344 2001 TW_{207}	16.2	X	148.34981	294.13408	51.89252	1.71874	0.1444081	0.16740576	3.2605369	21	1 20.0	21.2
169345 2001 TS_{211}	14.8	X	172.83379	287.78548	78.99312	18.15404	0.1413859	0.17326464	3.1866137	21	3 15.1	20.2
169346 2001 TZ_{221}	15.6	X	187.91261	68.23913	295.83506	3.61702	0.1313206	0.17359364	3.1825863	21	3 14.3	20.8
169347 2001 TM_{233}	15.0	X	143.97725	167.13825	267.21032	10.03275	0.1155127	0.17683273	3.1436025	21	4 22.0	20.0
169348 2001 TG_{238}	15.2	X	247.68850	345.23298	72.60565	10.67805	0.2220977	0.18938584	3.0031086	21	7 7.5	20.0
169349 2001 TA_{240}	15.4	X	180.15880	206.10347	143.69123	6.62959	0.1554556	0.17100186	3.2146633	21	2 22.1	20.6
169350 2001 US_{5}	14.6	X	140.86626	25.11746	74.96006	14.89827	0.1536376	0.17363046	3.1821363	21	5 27.4	19.5
169351 2001 UT_{7}	15.1	X	183.39095	135.69942	244.69293	9.42612	0.0891939	0.17580555	3.1558353	21	3 26.0	20.2
169352 2001 UY_{16}	19.2	X	181.87046	48.41822	32.22060	32.28583	0.5194655	0.32803937	2.0821822	21	5 29.9	24.1
169353 2001 UL_{17}	14.6	X	141.92172	7.65078	80.57828	17.19794	0.0980421	0.17227910	3.1987551	21	5 13.0	19.6
169354 2001 UF_{24}	14.9	X	166.69381	139.97661	237.12633	16.63873	0.1452060	0.17214242	3.2004481	21	3 6.1	20.4
169355 2001 UO_{31}	14.3	X	4.24093	133.78921	36.48534	14.80184	0.0748705	0.17068569	3.2186319	21	2 24.1	18.7
169356 2001 UY_{40}	15.3	X	194.69631	325.77427	42.59218	11.09656	0.2304210	0.17591650	3.1545083	21	3 31.0	20.8
169357 2001 UR_{46}	15.3	X	240.78251	262.60577	64.97332	8.56869	0.2214239	0.17741522	3.1367179	21	3 19.9	20.6
169358 2001 UV_{57}	14.9	X	244.11653	271.85279	22.87731	19.25536	0.1487134	0.17377350	3.1803898	21	2 22.7	20.2
169359 2001 UN_{63}	14.7	X	278.95831	240.86892	39.49220	16.65970	0.0505013	0.17273131	3.1931697	21	3 22.6	19.4
169360 2001 UE_{64}	14.7	X	131.26569	249.46377	239.68753	13.59284	0.2072530	0.17839396	3.1252345	21	6 24.8	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
169361 2001 UQ_{75}	14.5	X	172.07725	302.22888	68.51517	12.56837	0.0975149	0.17018314	3.2249651	21	3 14.6	19.7
169362 2001 UV_{84}	15.0	X	134.95328	46.52412	49.29137	12.00868	0.0756252	0.17540082	3.1606881	21	5 8.2	19.5
169363 2001 UE_{85}	16.5	X	262.65485	164.91849	164.69598	0.77723	0.1677904	0.18232831	3.0801129	21	4 10.7	21.2
169364 2001 UH_{89}	14.8	X	155.03517	4.50476	38.36842	27.18496	0.0772879	0.17558033	3.1585334	21	4 5.9	19.8
169365 2001 UO_{96}	15.5	X	193.89818	194.22362	193.74128	11.28584	0.0984829	0.17700620	3.1415482	21	4 19.1	20.3
169366 2001 UF_{103}	15.8	X	223.66781	278.14529	47.63893	9.70967	0.2061886	0.17558331	3.1584977	21	3 5.6	21.3
169367 2001 UA_{105}	15.6	X	157.36629	204.87269	153.12772	2.31732	0.1805350	0.16933280	3.2357527	21	2 12.9	20.9
169368 2001 UJ_{111}	14.8	X	214.78237	80.65180	245.55484	9.41404	0.1757895	0.17265903	3.1940609	21	2 19.4	20.3
169369 2001 UK_{111}	15.2	X	163.76059	31.71518	327.49106	4.21608	0.1318957	0.16904281	3.2394522	21	2 16.9	20.2
169370 2001 UY_{125}	15.0	X	289.29720	187.53181	106.44778	12.22674	0.1478144	0.17998975	3.1067349	21	4 4.9	19.7
169371 2001 UX_{136}	15.4	X	99.55200	74.97657	39.44965	5.64597	0.1359100	0.17350371	3.1836859	21	4 28.1	19.8
169372 2001 UF_{137}	15.5	X	221.87498	135.55575	199.37007	8.21837	0.0735025	0.17587160	3.1550451	21	3 13.3	20.4
169373 2001 UT_{150}	14.7	X	170.73757	328.15428	61.66931	12.00126	0.0604829	0.17097811	3.2149610	21	4 1.8	19.6
169374 2001 UK_{161}	14.7	X	137.54726	58.53359	76.58284	11.00746	0.1837164	0.17692515	3.1425076	21	7 7.4	19.8
169375 2001 UK_{173}	15.8	X	160.90951	213.25429	172.55458	0.15395	0.1800816	0.17176454	3.2051403	21	3 19.6	20.9
169376 2001 UA_{174}	15.1	X	274.75740	248.71827	43.43856	10.25479	0.0604901	0.17378592	3.1802382	21	3 26.9	19.8
169377 2001 UV_{178}	14.7	X	158.21885	340.24933	79.99625	10.57980	0.2090106	0.17630807	3.1498359	21	4 30.9	20.0
169378 2001 UR_{182}	15.1	X	171.77746	48.42372	37.35180	11.01285	0.0970725	0.18180851	3.0859809	21	6 3.5	20.0
169379 2001 UH_{189}	14.8	X	226.66172	46.62715	276.72406	13.80754	0.0796299	0.17536152	3.1611602	21	2 26.9	19.9
169380 2001 UD_{193}	15.3	X	129.27933	249.36202	216.82203	6.89489	0.1233568	0.17768607	3.1335296	21	5 19.9	20.0
169381 2001 UF_{205}	14.2	X	131.15042	150.25808	314.08295	2.56910	0.0666435	0.12667120	3.9266072	21	5 15.3	20.0
169382 2001 UL_{209}	15.1	X	312.75841	58.51211	245.70959	8.58078	0.0704480	0.18422248	3.0589636	21	5 23.3	19.2
169383 2001 VY_{7}	15.4	X	119.95604	177.28219	275.32418	2.66449	0.1493860	0.17249441	3.1960927	21	4 25.1	20.3
169384 2001 VU_{19}	17.0	X	92.59671	122.62635	229.52887	4.61852	0.1673466	0.30793720	2.1718406	21	—	—
169385 2001 VC_{26}	15.3	X	178.92497	297.25952	65.30294	19.51956	0.2156893	0.17061031	3.2195799	21	3 19.8	21.1
169386 2001 VB_{29}	15.3	X	172.54859	2.63306	59.24205	3.20155	0.2166088	0.17456929	3.1707171	21	5 11.6	20.7
169387 2001 VC_{40}	14.9	X	15.22074	181.77300	253.93859	4.88730	0.0928639	0.15386159	3.4491804	21	—	—
169388 2001 VP_{43}	14.7	X	136.74373	205.89844	261.10182	15.97915	0.1409502	0.17304377	3.1893247	21	5 29.8	19.7
169389 2001 VD_{50}	14.9	X	168.12809	140.49007	285.68546	8.28347	0.0786052	0.17696096	3.1420837	21	5 5.4	19.9
169390 2001 VR_{51}	14.9	X	171.82911	149.07524	265.03913	9.58403	0.0921922	0.17636192	3.1491946	21	4 24.9	19.9
169391 2001 VU_{61}	15.5	X	245.44307	45.66251	339.71823	4.27347	0.1639138	0.18232242	3.0801793	21	5 30.9	20.3
169392 2001 VA_{65}	14.8	X	130.60122	68.77362	36.61031	11.87531	0.1979471	0.17325194	3.1867695	21	5 24.9	20.0
169393 2001 VN_{90}	14.8	X	184.07457	4.15817	88.09145	19.50042	0.0978169	0.18090565	3.0962401	21	6 25.6	19.5
169394 2001 VQ_{93}	14.6	X	193.27742	310.24615	98.22683	19.10440	0.2414960	0.17655863	3.1468551	21	5 17.4	20.3
169395 2001 VL_{94}	15.2	X	180.11907	337.60966	115.53834	18.78288	0.1850060	0.17811298	3.1285205	21	6 24.5	20.6
169396 2001 VS_{104}	15.4	X	313.89595	54.64461	324.86528	1.90749	0.1597988	0.19005702	2.9960342	21	8 22.9	19.0
169397 2001 VE_{113}	15.2	X	230.58149	87.48699	268.11621	8.11636	0.2373450	0.17715532	3.1397850	21	4 4.6	20.8
169398 2001 VP_{119}	14.9	X	186.99591	145.88569	273.09929	8.04266	0.0840562	0.17566211	3.1575530	21	5 17.9	19.7
169399 2001 WX	17.3	X	65.88684	48.09807	238.60814	3.09854	0.1326676	0.29361269	2.2419169	21	11 5.3	20.0
169400 2001 WA_{30}	14.5	X	219.86753	291.25231	90.72303	15.58423	0.2195013	0.17761106	3.1344118	21	5 6.7	20.0
169401 2001 WS_{37}	14.8	X	330.84141	137.70815	73.94960	10.36093	0.0388032	0.16839145	3.2478006	21	3 2.9	19.4
169402 2001 WE_{67}	16.0	X	194.58874	55.84803	53.69956	1.64219	0.0403091	0.18565534	3.0432041	21	7 31.2	20.4
169403 2001 WY_{89}	14.7	X	132.62896	205.42546	248.19692	11.98776	0.1736613	0.17500570	3.1654436	21	5 11.7	19.7
169404 2001 XF_{15}	14.6	X	17.33807	141.11837	253.01828	8.82591	0.1041317	0.15091705	3.4939003	21	12 17.2	19.2
169405 2001 XK_{39}	14.6	X	226.03081	8.51394	358.16561	10.36967	0.2282895	0.17600605	3.1534382	21	4 15.1	20.1
169406 2001 XR_{41}	14.8	X	169.61452	157.40184	299.28911	15.16880	0.2998001	0.17517364	3.1634202	21	6 21.9	20.6
169407 2001 XC_{50}	15.4	X	262.27879	119.42071	246.58540	1.81344	0.1494196	0.18162531	3.0880558	21	5 26.9	19.8
169408 2001 XP_{106}	14.7	X	144.09234	225.91214	265.53736	16.12394	0.0861877	0.17889607	3.1193841	21	7 1.4	19.5
169409 2001 XL_{109}	15.1	X	143.54921	266.74039	290.56672	10.48940	0.0911834	0.18711565	3.0273501	21	9 16.7	19.9
169410 2001 XD_{120}	14.8	X	166.38507	308.31588	49.98369	20.26829	0.1454794	0.17059074	3.2198261	21	3 1.5	20.3
169411 2001 XS_{129}	15.6	X	263.38478	156.31414	267.91289	1.03758	0.0654185	0.18642492	3.0348233	21	8 21.9	19.9
169412 2001 XH_{172}	16.5	X	286.18112	168.78164	262.48406	5.29846	0.1373087	0.28979652	2.2615556	21	9 30.9	18.9
169413 2001 XU_{187}	16.8	X	132.48895	116.94492	253.87524	2.76938	0.1297274	0.31038615	2.1604016	21	1 1.1	19.0
169414 2001 XW_{189}	16.0	X	0.57782	105.50336	265.34886	6.98446	0.2293016	0.29312856	2.2443847	21	12 14.7	17.7
169415 2001 XM_{200}	15.0	X	354.17065	93.05116	49.57585	9.16685	0.0728343	0.15963973	3.3654415	21	1 3.3	19.6
169416 2001 XM_{201}	17.1	X	47.93856	342.87159	135.04232	0.88350	0.0209607	0.30968467	2.1636628	21	1 11.9	19.4
169417 2001 XZ_{207}	15.1	X	287.96023	256.41219	124.26079	8.48510	0.1542789	0.18511040	3.0491738	21	7 15.5	19.0
169418 2001 XF_{208}	15.2	X	182.04189	299.94907	89.36130	28.40007	0.2688932	0.17286687	3.1915001	21	4 26.2	21.3
169419 2001 XV_{228}	15.2	X	301.41658	53.53333	275.19197	8.42560	0.0665633	0.17978489	3.1090945	21	6 9.3	19.4
169420 2001 XR_{243}	16.3	X	203.13197	207.45580	246.01338	0.98183	0.1218413	0.27898695	2.3196019	21	7 16.9	19.5
169421 2001 XZ_{251}	15.8	X	189.83846	315.56767	134.88647	2.00351	0.1564156	0.17754846	3.1351485	21	6 28.6	20.9
169422 2001 XV_{258}	14.8	X	324.96518	231.06350	97.80874	12.30183	0.1564602	0.18640911	3.0349948	21	7 3.3	18.4
169423 2001 YV_{11}	16.5	X	314.36061	228.01070	316.97032	4.07988	0.0584931	0.30884032	2.1676045	21	—	—
169424 2001 YB_{25}	15.2	X	166.33830	54.02594	57.75932	1.89281	0.1360906	0.17830373	3.1262888	21	7 3.1	20.2
169425 2001 YA_{54}	17.6	X	29.45494	102.63455	8.31287	2.12880	0.1546949	0.30898390	2.1669330	21	—	—
169426 2001 YB_{73}	17.1	X	94.00805	145.81896	299.41973	2.57807	0.0566658	0.31396633	2.1439468	21	2 6.1	19.0
169427 2001 YP_{103}	16.4	X	242.42549	347.98812	213.23654	3.15609	0.2274296	0.29726396	2.2235209	21	—	—
169428 2001 YL_{127}	15.4	X	237.89516	35.79274	38.26022	5.07104	0.1404542	0.18177941	3.0863103	21	7 27.3	20.1
169429 2001 YP_{149}	14.4	X	355.80077	23.74000	54.41839	10.72991	0.0749871	0.14935229	3.5182615	21	—	—
169430 2002 AH_{5}	16.5	X	281.14394	167.31345	6.86295	4.25485	0.0535134	0.29913826	2.2142233	21	—	—
169431 2002 AK_{26}	17.0	X	106.88489	27.62087	348.42240	2.61966	0.0570278	0.30389136	2.1910745	21	—	—
169432 2002 AM_{30}	16.9	X	321.65388	43.42928	117.42671	3.83674	0.0358876	0.30481983	2.1866230	21	—	—
169433 2002 AY_{42}	15.7	X	199.13249	305.83445	142.25338	5.62049	0.1131227	0.17715888	3.1397430	21	7 5.4	20.6
169434 2002 AE_{47}	17.0	X	185.08137	47.22371	127.74938	2.56402	0.1020242	0.28616768	2.2806343	21	10 18.6	20.1
169435 2002 AF_{52}	17.1	X	314.62445	309.92313	208.62177	2.30314	0.1220473	0.30200066	2.2002099	21	—	—
169436 2002 AM_{62}	16.5	X	129.71249	171.45893	301.68170	2.02432	0.0970554	0.26887377	2.3774082	21	5 20.7	19.6
169437 2002 AR_{66}	16.5	X	133.95021	284.81489	248.27325	2.78367	0.1555069	0.27425263	2.3462206	21	8 20.2	20.1
169438 2002 AA_{97}	16.7	X	291.51408	200.59051	309.77151	5.17106	0.0732249	0.29843509	2.2177000	21	—	—
169439 2002 AP_{105}	14.8	X	109.10147	218.72287	301.58075	5.99846	0.0775664	0.17185768	3.2039821	21	6 28.5	19.4
169440 2002 AZ_{127}	17.1	X	229.08833	274.86169	229.43369	0.51940	0.1570185	0.28654891	2.2786111	21	10 20.8	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
169441 2002 AR_{131}	14.4	X	224.92850	116.23065	268.13079	20.55911	0.1995039	0.17968150	3.1102871	21	5 6.4	19.8
169442 2002 AT_{152}	16.8	X	231.82781	125.17241	353.62983	1.72815	0.1922482	0.28430200	2.2906009	21	9 14.8	19.8
169443 2002 AO_{156}	17.1	X	42.03543	329.58446	147.12973	4.05373	0.0225098	0.31025916	2.1609911	21	—	—
169444 2002 AC_{157}	17.1	X	179.98196	323.35118	211.46920	2.16011	0.0971942	0.28405669	2.2919195	21	10 11.2	20.4
169445 2002 AG_{173}	16.8	X	90.58523	50.17716	304.07719	4.84922	0.0989502	0.29978009	2.2110617	21	—	—
169446 2002 AA_{193}	15.4	X	63.18540	57.38253	168.29745	1.79461	0.1440470	0.17226504	3.1989292	21	8 1.9	19.7
169447 2002 BW	16.5	X	108.48275	31.74656	19.25499	4.96262	0.1009788	0.30802178	2.1714430	21	1 19.9	18.7
169448 2002 BY_{11}	16.8	X	243.73911	242.24099	304.22846	1.47135	0.1165231	0.29322167	2.2439095	21	—	—
169449 2002 BX_{15}	16.7	X	312.68460	254.64556	305.14601	4.47635	0.0974217	0.30518964	2.1848562	21	—	—
169450 2002 BU_{16}	16.5	X	277.01956	321.08962	181.55114	2.21248	0.0671333	0.29254007	2.2473936	21	—	—
169451 2002 BF_{22}	16.5	X	177.02119	215.70113	351.90000	7.71454	0.1280707	0.28782983	2.2718458	21	11 16.2	19.9
169452 2002 CD_{6}	16.6	X	341.85161	175.70267	346.70585	3.53614	0.1051631	0.30375990	2.1917066	21	—	—
169453 2002 CY_{7}	16.3	X	147.56537	305.77713	59.23028	3.17944	0.1357686	0.30929796	2.1654659	21	1 15.7	18.9
169454 2002 CY_{10}	15.3	X	189.94827	122.11967	72.76682	23.25621	0.2453166	0.28324799	2.2962799	21	11 12.5	19.2
169455 2002 CB_{14}	16.6	X	198.12009	59.72788	145.00560	5.52962	0.1850205	0.28729744	2.2746515	21	12 2.7	19.9
169456 2002 CZ_{21}	14.5	X	237.58719	271.79237	147.01222	6.85956	0.1985388	0.12586121	3.9434359	21	7 1.1	20.7
169457 2002 CN_{33}	16.8	X	359.96121	28.28837	39.03009	7.36105	0.0481536	0.29524662	2.2336379	21	—	—
169458 2002 CU_{36}	17.1	X	341.93858	264.79145	172.94885	5.46068	0.0912997	0.29454701	2.2371734	21	—	—
169459 2002 CP_{43}	16.6	X	224.37010	259.69547	321.28745	5.45426	0.1254106	0.29540988	2.2328148	21	—	—
169460 2002 CD_{48}	16.7	X	285.27826	349.37158	209.67458	5.88076	0.0630896	0.30221841	2.1991530	21	—	—
169461 2002 CX_{57}	16.8	X	122.69622	163.71472	279.61781	0.53426	0.0791830	0.31384475	2.1445004	21	3 22.9	19.1
169462 2002 CN_{59}	16.6	X	359.53003	246.82038	359.73079	2.81061	0.1355916	0.26432817	2.4045866	21	5 4.3	18.9
169463 2002 CZ_{60}	16.5	X	295.57310	65.44803	69.95354	7.75755	0.0547875	0.29563734	2.2316694	21	—	—
169464 2002 CK_{66}	16.5	X	274.38289	337.99225	301.82614	1.82100	0.0834815	0.26271830	2.4143997	21	2 19.2	19.7
169465 2002 CB_{69}	17.3	X	306.97685	80.29708	1.19568	3.17691	0.1333414	0.29159049	2.2522701	21	11 30.5	19.2
169466 2002 CE_{70}	16.1	X	316.35110	39.34155	340.50105	6.02821	0.1872662	0.28511081	2.2862669	21	9 4.4	17.5
169467 2002 CT_{73}	16.6	X	245.58789	75.36889	337.02106	6.89132	0.0941119	0.27778913	2.3262651	21	7 14.7	19.8
169468 2002 CD_{83}	16.3	X	69.41230	185.57658	340.97755	6.25664	0.0614481	0.26602050	2.3943776	21	5 3.9	19.2
169469 2002 CM_{84}	16.6	X	94.80786	315.52417	338.96180	4.62348	0.1065005	0.28657069	2.2784956	21	12 14.7	19.8
169470 2002 CJ_{91}	16.8	X	76.35277	331.18142	83.87215	2.88395	0.0885076	0.30382040	2.1914157	21	—	—
169471 2002 CS_{94}	16.2	X	123.11769	223.28984	353.06754	4.81748	0.1635525	0.27839142	2.3229088	21	10 6.1	19.7
169472 2002 CN_{98}	16.3	X	84.05840	243.58759	345.77063	5.60205	0.0904891	0.27489316	2.3425746	21	9 2.6	19.3
169473 2002 CH_{101}	16.6	X	343.71620	313.71092	132.55602	7.50888	0.0545552	0.29357272	2.2421203	21	—	—
169474 2002 CK_{107}	16.8	X	270.57553	13.69978	130.77027	5.91169	0.0936162	0.29025314	2.2591831	21	12 31.8	19.2
169475 2002 CZ_{114}	16.4	X	268.31019	118.69727	83.11386	6.71462	0.1730294	0.29629096	2.2283861	21	—	—
169476 2002 CC_{115}	16.4	X	42.89525	326.33046	331.47449	5.78819	0.1129081	0.28216824	2.3021342	21	10 13.1	19.0
169477 2002 CM_{121}	14.4	X	81.80643	117.17255	138.30392	25.99695	0.3239539	0.17703251	3.1412370	21	10 30.4	20.0
169478 2002 CS_{128}	17.1	X	223.65172	251.87544	288.84450	3.49262	0.0605291	0.29053065	2.2577443	21	12 17.6	19.7
169479 2002 CB_{134}	16.9	X	313.18200	296.44068	162.49819	4.17899	0.0602186	0.29146220	2.2529310	21	—	—
169480 2002 CX_{137}	16.4	X	50.32715	237.10274	190.44858	6.32953	0.0629181	0.30322546	2.1942812	21	—	—
169481 2002 CC_{138}	16.1	X	301.23690	24.39053	195.44702	6.15818	0.0916297	0.25583460	2.4575170	21	1 4.7	19.6
169482 2002 CL_{144}	16.7	X	64.09807	102.55774	318.28611	4.10508	0.0830028	0.30240949	2.1982265	21	—	—
169483 2002 CL_{146}	16.7	X	20.68806	145.46036	293.19212	1.87785	0.1526398	0.29866836	2.2165451	21	—	—
169484 2002 CL_{148}	16.7	X	89.99307	321.81970	303.09228	4.70818	0.1416078	0.28192125	2.3034786	21	11 1.9	20.1
169485 2002 CS_{159}	17.0	X	119.20261	178.95349	137.48638	2.00150	0.0741308	0.29366436	2.2416539	21	—	—
169486 2002 CU_{167}	16.7	X	147.42677	171.74585	14.30654	3.96232	0.1281938	0.27879001	2.3206942	21	9 21.3	20.2
169487 2002 CH_{168}	16.7	X	358.16814	99.06995	65.20664	3.95125	0.0824154	0.30633107	2.1794254	21	—	—
169488 2002 CS_{168}	16.3	X	44.80443	35.47415	44.48065	4.08381	0.1048332	0.30269956	2.1968219	21	—	—
169489 2002 CJ_{169}	16.1	X	211.04082	201.89286	359.20648	7.12540	0.1490199	0.28927778	2.2642585	21	12 15.1	19.2
169490 2002 CT_{179}	17.0	X	75.70169	224.38566	137.01729	5.00478	0.1528986	0.29869781	2.2163994	21	—	—
169491 2002 CV_{190}	16.7	X	99.99852	302.89978	88.58940	3.62425	0.1157761	0.30599294	2.1810307	21	—	—
169492 2002 CV_{192}	16.7	X	129.80467	237.01500	13.51176	3.97256	0.1348920	0.28553058	2.2840256	21	11 25.0	20.1
169493 2002 CU_{197}	17.0	X	112.60678	143.32578	121.63579	2.60686	0.1824717	0.28455058	2.2892667	21	11 29.7	20.6
169494 2002 CQ_{209}	16.6	X	76.98692	156.31666	131.12671	7.19619	0.1237181	0.28270949	2.2991949	21	11 19.3	19.8
169495 2002 CS_{212}	16.4	X	24.59434	298.88278	331.15344	4.33921	0.1525256	0.27284091	2.3543068	21	8 8.7	18.4
169496 2002 CX_{214}	16.8	X	67.35957	192.18303	40.49371	2.80317	0.1104239	0.27296140	2.3536139	21	8 19.0	19.5
169497 2002 CM_{215}	16.7	X	309.58083	19.52166	151.73145	3.24533	0.0399688	0.30013703	2.2093083	21	—	—
169498 2002 CC_{216}	17.3	X	67.83262	131.08267	81.44373	2.45386	0.1336143	0.26999319	2.3708324	21	7 23.9	20.1
169499 2002 CP_{216}	16.4	X	163.32870	210.60324	339.20879	5.93982	0.0490941	0.28147020	2.3059387	21	10 11.5	19.6
169500 2002 CD_{217}	16.8	X	194.48799	128.51202	4.13740	6.02781	0.0484130	0.27835115	2.3231328	21	9 5.4	19.7
169501 2002 CR_{218}	16.6	X	355.55188	216.22353	4.48207	6.63947	0.1157392	0.26069311	2.4268877	21	3 21.8	19.0
169502 2002 CS_{222}	16.9	X	171.26967	45.48370	200.09032	2.72163	0.1108245	0.29086443	2.2560167	21	—	—
169503 2002 CA_{238}	16.6	X	224.69415	214.05498	310.76999	7.05640	0.0369841	0.28707802	2.2758104	21	11 28.9	19.5
169504 2002 CZ_{241}	15.9	X	145.68790	29.45551	192.01397	5.32020	0.1354853	0.28188895	2.3036545	21	11 4.9	19.3
169505 2002 CS_{243}	16.1	X	71.58094	303.00600	328.44239	5.78626	0.1009577	0.27746964	2.3280506	21	10 13.4	19.1
169506 2002 CE_{245}	16.4	X	26.05620	132.57685	290.99284	6.53928	0.1164272	0.29792226	2.2202442	21	—	—
169507 2002 CX_{252}	16.8	X	297.45018	239.19528	169.06191	4.88610	0.1347848	0.28527199	2.2854056	21	9 19.2	18.9
169508 2002 CT_{267}	14.4	X	267.12015	246.05124	133.81850	7.69027	0.1447281	0.12359114	3.9915767	21	6 20.9	20.2
169509 2002 CV_{269}	14.4	X	249.92711	5.56260	40.24484	3.33413	0.2558017	0.12517434	3.9578486	21	6 21.9	20.6
169510 2002 CQ_{276}	16.9	X	275.35109	76.45570	297.20210	1.98290	0.1828650	0.27703848	2.3304653	21	6 13.7	20.0
169511 2002 CX_{298}	17.1	X	34.16328	56.55376	329.52370	0.57413	0.0986370	0.29273133	2.2464146	21	—	—
169512 2002 CD_{302}	16.2	X	48.82800	204.51098	103.38192	6.74902	0.0748562	0.28426357	2.2908074	21	11 4.8	19.0
169513 2002 DN_{15}	16.7	X	183.44835	82.56250	274.94453	2.77570	0.1757106	0.31107040	2.1572323	21	2 16.7	19.8
169514 2002 DT_{18}	15.9	X	179.46965	276.66955	238.70847	6.44766	0.1362782	0.27777709	2.3263324	21	9 9.5	19.6
169515 2002 EN	16.5	X	99.13876	224.26200	330.35911	2.52508	0.1747770	0.27139701	2.3626497	21	8 15.2	19.6
169516 2002 EQ	16.5	X	29.41714	83.69494	172.91918	3.44799	0.3295166	0.26644198	2.3918519	21	8 28.1	18.3
169517 2002 EW_{2}	16.3	X	66.53389	216.43242	0.30957	5.52671	0.1935261	0.26854049	2.3793748	21	8 8.9	19.1
169518 2002 EH_{12}	16.7	X	193.11188	153.83364	43.12752	3.37239	0.0950613	0.28588744	2.2821245	21	11 24.8	19.6
169519 2002 EK_{16}	16.6	X	82.53024	56.91822	198.14356	7.84577	0.1986825	0.27622262	2.3350520	21	10 19.9	19.9
169520 2002 EQ_{21}	16.8	X	345.12031	322.61083	124.68227	6.71914	0.0438715	0.29326511	2.2436879	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
169521 2002 EA_{33}	16.5	X	334.16243	225.98268	96.10568	6.77879	0.1406284	0.27382109	2.3486851	21	7 13.7	18.6
169522 2002 EF_{40}	16.5	X	114.70214	356.03603	195.99053	2.55751	0.1812266	0.27264519	2.3554334	21	8 28.1	20.0
169523 2002 EW_{41}	16.3	X	212.91163	22.05142	223.05111	3.33725	0.1294230	0.24302909	2.5431025	21	—	—
169524 2002 EW_{42}	16.1	X	119.12771	32.52807	196.86572	5.66276	0.1771515	0.27805888	2.3247604	21	10 21.1	19.7
169525 2002 EF_{48}	16.8	X	36.65797	36.60773	264.70870	1.22293	0.2213809	0.27531551	2.3401782	21	10 28.3	19.4
169526 2002 ET_{50}	17.0	X	306.12297	276.91562	351.40856	0.94229	0.1665661	0.25821448	2.4423936	21	3 4.6	20.2
169527 2002 EY_{51}	17.0	X	359.46496	298.57160	127.43785	3.37991	0.0922733	0.29349762	2.2425028	21	—	—
169528 2002 EF_{63}	16.8	X	314.15480	351.91650	263.28659	0.52978	0.1554035	0.25811677	2.4430100	21	2 26.9	19.7
169529 2002 EA_{65}	16.4	X	55.30942	267.19470	344.74074	4.59276	0.1638814	0.27153809	2.3618313	21	9 5.7	19.0
169530 2002 EZ_{65}	17.3	X	123.22802	44.01811	213.02095	3.70996	0.1060666	0.28265173	2.2995081	21	11 26.8	20.5
169531 2002 EK_{66}	17.0	X	115.48593	38.50048	206.92198	1.73628	0.1726869	0.27914012	2.3187533	21	11 6.6	20.5
169532 2002 EO_{67}	16.5	X	83.63017	350.44837	265.02641	2.01724	0.1554350	0.27576834	2.3376157	21	10 15.3	19.6
169533 2002 EW_{67}	16.5	X	92.96441	32.17697	216.97387	1.77506	0.1519616	0.27632140	2.3344955	21	10 17.7	19.8
169534 2002 ED_{69}	16.4	X	206.15252	323.49594	197.35242	5.19736	0.0748171	0.28227166	2.3015718	21	10 25.9	19.2
169535 2002 EE_{69}	16.9	X	168.99667	198.14901	325.28316	2.11086	0.1403684	0.27733542	2.3288016	21	9 12.1	20.5
169536 2002 EU_{70}	16.5	X	292.93563	324.18081	197.93492	5.79834	0.0997147	0.29477762	2.2360064	21	—	—
169537 2002 EH_{73}	16.4	X	51.82627	334.08101	266.13861	1.90563	0.1958058	0.26811841	2.3818713	21	8 18.3	18.9
169538 2002 EH_{74}	16.4	X	111.23123	229.19458	352.47527	2.38892	0.1145392	0.27474175	2.3434351	21	9 27.6	19.6
169539 2002 EV_{80}	16.8	X	161.57768	289.13894	261.82167	3.80456	0.0774919	0.28219871	2.3019684	21	10 10.9	20.1
169540 2002 EK_{81}	16.2	X	195.90611	129.63487	220.91355	1.70021	0.1956961	0.25805062	2.4434274	21	2 26.8	20.1
169541 2002 EX_{83}	16.8	X	88.13388	233.03262	21.79197	2.36315	0.1820920	0.27621637	2.3350872	21	10 23.0	19.9
169542 2002 EJ_{87}	16.5	X	147.19009	211.66294	22.29013	6.34804	0.0491688	0.28356351	2.2945762	21	11 21.4	19.7
169543 2002 EY_{87}	17.3	X	327.55899	36.09794	82.54793	2.14592	0.1629719	0.29493920	2.2351897	21	—	—
169544 2002 EZ_{87}	16.3	X	116.34403	82.51059	153.54331	4.84123	0.0878489	0.27809801	2.3245423	21	10 22.9	19.6
169545 2002 EM_{89}	16.4	X	94.90874	17.90225	207.19364	5.74975	0.1555865	0.27546948	2.3393061	21	9 16.8	19.7
169546 2002 EV_{91}	16.5	X	126.08922	187.39694	57.55718	4.04369	0.1941155	0.27982789	2.3149523	21	11 16.2	20.2
169547 2002 EO_{94}	16.9	X	67.18930	214.06174	13.36087	2.79741	0.1455880	0.27114992	2.3640848	21	8 16.6	19.6
169548 2002 EQ_{97}	16.5	X	204.16117	341.61369	223.02228	6.88634	0.0827927	0.28931699	2.2640539	21	12 20.6	19.5
169549 2002 EG_{105}	16.6	X	358.73785	33.41714	52.36219	5.89358	0.0992571	0.29625943	2.2285443	21	—	—
169550 2002 EF_{106}	16.5	X	282.44635	72.87283	84.06874	6.88233	0.0678149	0.29310887	2.2444852	21	—	—
169551 2002 EB_{108}	17.2	X	115.58320	3.44912	245.78521	0.48361	0.0848236	0.28216087	2.3021742	21	11 6.8	20.3
169552 2002 EP_{109}	16.6	X	52.45876	159.82812	147.49593	5.03920	0.1432200	0.28035887	2.3120285	21	11 17.7	19.5
169553 2002 EY_{110}	16.9	X	34.48220	22.51438	53.21722	5.84429	0.1283268	0.29860022	2.2168823	21	—	—
169554 2002 EB_{115}	15.9	X	179.10990	105.08094	89.38268	6.58750	0.1444690	0.28167971	2.3047952	21	11 4.4	19.3
169555 2002 ES_{115}	16.6	X	193.06852	129.68573	55.96212	7.41193	0.0657866	0.28350642	2.2948843	21	11 13.1	19.4
169556 2002 EN_{116}	16.8	X	247.88083	205.54127	204.07227	1.75692	0.1996044	0.27714682	2.3298580	21	6 28.8	20.1
169557 2002 ES_{132}	17.0	X	130.18597	64.75167	199.37310	3.30932	0.1204250	0.28591284	2.2819893	21	12 13.5	20.3
169558 2002 EM_{137}	17.1	X	62.28812	248.20781	10.53496	3.15007	0.1698861	0.27345708	2.3507689	21	9 26.6	19.9
169559 2002 EP_{139}	16.5	X	282.26595	180.54117	93.09499	3.52111	0.1623832	0.25778842	2.4450840	21	2 13.7	20.1
169560 2002 ES_{139}	16.7	X	209.17013	38.24546	137.49873	2.88665	0.0628433	0.28345515	2.2951610	21	11 20.8	19.7
169561 2002 EY_{139}	17.0	X	53.80247	208.27393	27.33694	1.46877	0.1410340	0.27082776	2.3659593	21	8 6.7	19.4
169562 2002 ET_{145}	17.0	X	151.75834	272.21466	324.04355	5.25264	0.0885413	0.28439923	2.2900789	21	11 29.2	20.3
169563 2002 EM_{155}	16.7	X	331.23203	30.26674	35.05054	6.53932	0.1554207	0.29006935	2.2601373	21	12 27.6	18.6
169564 2002 EO_{155}	17.1	X	27.34813	180.53566	64.14100	3.60082	0.1939044	0.26738479	2.3862260	21	7 8.8	18.9
169565 2002 EP_{155}	16.5	X	34.35695	223.77885	33.60837	4.82270	0.2518855	0.26897574	2.3768073	21	8 27.6	18.6
169566 2002 FG_{4}	16.4	X	149.59219	180.40036	66.75918	7.31479	0.1461457	0.28463381	2.2888204	21	12 10.1	19.9
169567 2002 FO_{4}	16.3	X	216.26068	77.18669	86.41273	1.86254	0.2050150	0.28338183	2.2955568	21	10 26.5	19.5
169568 Baranauskas	16.1	X	109.59801	73.65601	126.48812	3.18223	0.1148722	0.27266837	2.3552999	21	8 28.5	19.3
169569 2002 FD_{9}	17.1	X	223.15613	214.73373	328.27901	4.95616	0.1150528	0.28778428	2.2720855	21	12 10.6	20.0
169570 2002 FS_{9}	16.5	X	117.63205	147.57195	20.33861	5.63956	0.1190643	0.26997857	2.3709179	21	7 26.1	19.8
169571 2002 FW_{11}	16.5	X	235.45208	172.88142	19.20277	6.93461	0.0389337	0.29201646	2.2500793	21	—	—
169572 2002 FE_{13}	16.4	X	39.89301	182.66760	82.89749	3.33356	0.1705299	0.26951345	2.3736450	21	9 3.9	18.8
169573 2002 FQ_{21}	16.7	X	308.48921	268.89040	180.77812	6.95807	0.0680852	0.28619636	2.2804820	21	12 17.0	19.1
169574 2002 FZ_{24}	17.0	X	278.03049	96.34438	6.56199	8.63549	0.0682860	0.28447984	2.2896462	21	11 12.7	19.5
169575 2002 GQ_{7}	16.7	X	249.34258	10.72519	161.05560	4.00388	0.0782815	0.28792840	2.2713273	21	—	—
169576 2002 GB_{8}	16.2	X	64.89824	120.87021	117.78115	4.29987	0.1380489	0.26981333	2.3718858	21	8 28.4	19.0
169577 2002 GO_{14}	16.4	X	150.20129	153.40310	11.62374	7.70057	0.1607134	0.27622162	2.3350577	21	8 30.1	20.0
169578 2002 GA_{15}	16.9	X	134.68962	68.47295	149.26959	1.64322	0.1288564	0.27895730	2.3197663	21	10 19.6	20.3
169579 2002 GZ_{18}	16.8	X	346.70013	228.60605	20.81372	2.53207	0.1581353	0.25924365	2.4359253	21	4 11.9	19.1
169580 2002 GT_{20}	16.8	X	145.06305	205.43481	358.40553	3.10743	0.1074781	0.27597991	2.3364208	21	10 10.2	20.2
169581 2002 GW_{20}	16.3	X	92.10662	191.25630	35.83122	7.21708	0.0727166	0.27116616	2.3639905	21	9 10.4	19.4
169582 2002 GB_{22}	16.1	X	73.14454	221.05942	56.55429	7.69408	0.1375793	0.27542094	2.3395810	21	11 1.5	19.3
169583 2002 GE_{27}	17.0	X	246.73474	275.01903	204.71580	2.85695	0.0655643	0.27777891	2.3263222	21	10 23.1	19.5
169584 2002 GL_{33}	16.8	X	50.15334	339.24500	65.21631	6.37869	0.0751849	0.29807369	2.2194922	21	—	—
169585 2002 GE_{35}	16.6	X	175.80300	125.62354	91.40228	6.91519	0.0848729	0.28500937	2.2868093	21	12 3.0	19.6
169586 2002 GW_{40}	16.9	X	5.65703	62.69521	211.76473	5.13704	0.1588709	0.26632639	2.3925439	21	7 3.2	19.0
169587 2002 GT_{48}	16.5	X	288.24916	123.38418	201.64258	6.51693	0.1248284	0.26205777	2.4184551	21	5 3.9	19.6
169588 2002 GO_{56}	15.9	X	21.59149	339.45394	352.55690	6.65008	0.1323193	0.27641699	2.3339572	21	10 31.5	18.5
169589 2002 GZ_{62}	16.7	X	288.54732	219.58735	60.40371	3.25781	0.1629287	0.25410385	2.4686635	21	3 1.6	20.1
169590 2002 GJ_{68}	15.7	X	192.50188	158.14670	129.02564	14.86446	0.2417584	0.23778189	2.5803792	21	—	—
169591 2002 GP_{68}	16.2	X	195.89290	68.09277	170.95043	15.94603	0.1428572	0.23382936	2.6093762	21	—	—
169592 2002 GV_{69}	16.6	X	49.55290	85.22015	167.83259	4.18455	0.1053452	0.26871213	2.3783615	21	8 18.2	19.2
169593 2002 GT_{71}	16.8	X	332.42938	179.81307	86.74389	1.61753	0.1981219	0.26018786	2.4300285	21	4 5.5	19.4
169594 2002 GM_{72}	17.0	X	315.86511	346.86760	141.94962	4.11950	0.0910236	0.29301520	2.2449635	21	—	—
169595 2002 GU_{72}	16.0	X	184.99885	5.93633	168.42114	6.37937	0.0426445	0.27960935	2.3161584	21	10 21.9	19.0
169596 2002 GY_{74}	16.9	X	87.13896	247.69736	24.96627	0.83686	0.1993690	0.27626044	2.3348389	21	11 15.4	20.3
169597 2002 GZ_{77}	17.1	X	44.87419	356.05679	224.78922	1.76105	0.1580723	0.26468944	2.4023981	21	6 30.8	19.4
169598 2002 GK_{79}	17.0	X	191.81546	10.41552	192.56089	3.39142	0.0765080	0.28476199	2.2881336	21	12 3.8	19.9
169599 2002 GD_{81}	15.9	X	28.68875	290.38366	59.54170	6.63343	0.2253240	0.27920608	2.3183881	21	12 24.5	18.6
169600 2002 GE_{81}	16.3	X	35.97428	116.06647	149.38118	4.84209	0.1644909	0.26817679	2.3815256	21	8 24.6	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
169601 2002 GA_{84}	16.5	X	107.31001	59.15390	163.07497	6.19770	0.1818347	0.27326139	2.3518911	21	10 1.3	20.1
169602 2002 GF_{84}	16.2	X	40.62712	124.53455	124.43937	5.17717	0.1088292	0.26702163	2.3883891	21	7 29.3	18.6
169603 2002 GP_{84}	16.1	X	130.63891	131.68845	79.40647	6.24473	0.0889430	0.27543971	2.3394747	21	10 7.3	19.4
169604 2002 GQ_{85}	16.6	X	59.10570	147.12769	105.29761	3.68383	0.0962905	0.27086096	2.3657659	21	9 2.2	19.4
169605 2002 GT_{92}	16.8	X	147.61046	266.07384	305.02802	2.29422	0.1064299	0.27888885	2.3201458	21	10 22.1	20.3
169606 2002 GF_{95}	16.7	X	277.44310	248.13659	271.28371	4.44131	0.1294206	0.29101916	2.2552170	21	—	—
169607 2002 GM_{101}	16.6	X	144.78567	111.97550	26.36335	2.22347	0.0722798	0.26904109	2.3764224	21	7 11.9	19.8
169608 2002 GA_{102}	16.5	X	145.07570	169.03269	79.11882	6.81548	0.0792586	0.28219469	2.3019903	21	12 8.3	19.7
169609 2002 GD_{103}	16.6	X	233.62283	93.17958	38.26310	7.43437	0.0430684	0.28083498	2.3094146	21	10 25.7	19.2
169610 2002 GH_{108}	16.3	X	12.83277	176.35268	105.10821	7.25479	0.1147759	0.26760740	2.3849025	21	7 29.7	18.5
169611 2002 GN_{112}	16.4	X	316.26819	7.65016	95.42170	6.77155	0.1192555	0.28804319	2.2707238	21	—	—
169612 2002 GM_{113}	16.2	X	318.06995	99.77615	126.29419	4.91568	0.1355216	0.25404264	2.4690600	21	1 28.7	19.2
169613 2002 GY_{113}	16.4	X	233.43320	158.13106	56.00634	8.34969	0.0521849	0.29217478	2.2492664	21	—	—
169614 2002 GK_{115}	16.5	X	214.54537	62.34249	74.47875	6.90398	0.0562268	0.27883577	2.3204402	21	10 8.7	19.5
169615 2002 GK_{121}	16.2	X	313.99797	319.92153	32.79695	6.60189	0.1105708	0.26996453	2.3710001	21	7 29.1	18.7
169616 2002 GN_{121}	16.9	X	100.94511	13.56738	180.49114	6.25569	0.0769257	0.27086716	2.3657298	21	8 1.8	20.1
169617 2002 GC_{128}	16.3	X	3.93597	262.99580	15.29044	7.21589	0.1062342	0.26721089	2.3872612	21	7 6.7	18.7
169618 2002 GB_{130}	16.4	X	11.19795	29.91492	213.25339	6.46093	0.1047902	0.26300952	2.4126171	21	5 25.6	18.8
169619 2002 GS_{136}	16.6	X	125.64180	288.52752	22.26724	4.76516	0.3425873	0.23278577	2.6171690	21	—	—
169620 2002 GE_{144}	17.0	X	31.63521	349.38693	227.38165	4.52725	0.1481620	0.26257983	2.4152484	21	5 27.3	19.0
169621 2002 GA_{148}	16.6	X	17.00656	255.61234	94.52474	5.00398	0.0899270	0.27921059	2.3183631	21	11 17.2	19.1
169622 2002 GZ_{150}	16.2	X	300.39504	249.53745	30.43504	6.18818	0.1146738	0.25618446	2.4552791	21	3 22.7	19.3
169623 2002 GB_{164}	16.1	X	186.08550	324.91494	46.91363	6.23015	0.0721192	0.25548102	2.4597839	21	3 15.3	19.6
169624 2002 GF_{165}	16.8	X	122.32589	64.82646	164.30442	4.01830	0.1499965	0.27563105	2.3383918	21	10 23.0	20.3
169625 2002 GY_{167}	17.0	X	168.61887	350.94648	240.02782	3.67980	0.0977729	0.28433800	2.2904076	21	12 11.5	20.3
169626 2002 GL_{169}	17.0	X	292.57852	261.00037	253.85583	3.54534	0.0831747	0.29161740	2.2521316	21	—	—
169627 2002 GY_{169}	16.8	X	260.30033	178.63136	359.52196	3.98285	0.1079064	0.28990850	2.2609732	21	—	—
169628 2002 GE_{171}	16.6	X	62.52613	333.58511	282.03649	2.61130	0.1516235	0.27198274	2.3592565	21	9 17.7	19.5
169629 2002 GZ_{171}	17.0	X	41.60638	202.77182	57.61885	3.24010	0.1550745	0.26959684	2.3731554	21	8 27.3	19.4
169630 2002 GK_{181}	17.2	X	190.31192	46.82644	228.95398	3.02229	0.1775066	0.23853758	2.5749265	21	—	—
169631 2002 HJ_{1}	16.1	X	66.99893	142.20268	112.79933	7.31213	0.2333874	0.27167957	2.3610113	21	10 10.1	19.4
169632 2002 HG_{6}	16.5	X	174.64247	277.95929	8.15720	4.87920	0.3252075	0.23589279	2.5941372	21	—	—
169633 2002 HQ_{12}	16.1	X	337.74112	182.07009	97.14996	16.49217	0.2056913	0.26224982	2.4172742	21	5 10.6	18.7
169634 2002 JW_{12}	16.0	X	292.06006	60.39511	56.56089	20.92691	0.2049541	0.28647810	2.2789866	21	12 14.3	17.8
169635 2002 JZ_{13}	15.5	X	268.73655	60.27066	83.59542	23.15185	0.2383030	0.28593851	2.2818528	21	12 5.9	17.5
169636 2002 JT_{15}	16.6	X	58.93522	20.00582	204.62961	11.00291	0.2012153	0.26503293	2.4003219	21	8 4.3	19.6
169637 2002 JY_{20}	16.7	X	142.93821	253.00851	332.65147	1.92131	0.1229992	0.27788711	2.3257183	21	11 5.4	20.1
169638 2002 JJ_{21}	16.7	X	89.34863	228.14390	5.80762	3.59381	0.1831951	0.27072737	2.3665441	21	9 26.9	20.0
169639 2002 JF_{22}	16.4	X	172.05871	60.75915	64.19469	2.91576	0.1531944	0.27122693	2.3636373	21	7 27.2	20.0
169640 2002 JD_{23}	16.7	X	68.67413	88.00547	148.71697	2.96449	0.1278375	0.26870443	2.3784069	21	8 28.1	19.5
169641 2002 JJ_{24}	15.3	X	84.49194	194.39483	67.17638	7.86156	0.0902774	0.27493741	2.3423232	21	10 20.4	18.4
169642 2002 JG_{27}	16.6	X	28.98635	14.53748	202.71746	6.82138	0.0700585	0.26068117	2.4269618	21	5 17.9	19.2
169643 2002 JN_{27}	16.8	X	59.54143	175.77624	80.84598	4.99323	0.2114210	0.26913446	2.3758728	21	9 28.7	19.8
169644 2002 JH_{29}	17.1	X	309.49423	139.81852	57.62315	6.27849	0.0971286	0.29779255	2.2208889	21	—	—
169645 2002 JP_{29}	16.7	X	63.35253	150.67281	82.28771	4.55461	0.2065928	0.26671752	2.3902043	21	8 30.2	19.6
169646 2002 JJ_{32}	16.1	X	76.91787	322.72909	200.90447	6.09017	0.0614985	0.25962684	2.4335279	21	5 15.6	19.1
169647 2002 JV_{36}	16.0	X	346.62352	177.70304	96.59079	6.55149	0.1436605	0.26096831	2.4251813	21	5 24.0	18.3
169648 2002 JN_{37}	16.2	X	96.27251	330.25286	266.09953	6.35366	0.0752864	0.27232636	2.3572715	21	9 21.7	19.5
169649 2002 JE_{42}	16.2	X	89.84121	162.09406	38.29630	7.04461	0.0588686	0.26784882	2.3834693	21	7 27.8	19.3
169650 2002 JC_{47}	16.3	X	54.33641	270.94614	343.63376	4.39958	0.0986741	0.26833973	2.3805614	21	8 28.1	18.9
169651 2002 JR_{48}	16.0	X	125.52206	79.54449	234.23093	12.42604	0.3183231	0.23122103	2.6289632	21	—	—
169652 2002 JU_{48}	16.3	X	110.52515	166.48556	33.77580	3.89724	0.1712131	0.27016699	2.3698155	21	9 5.3	19.7
169653 2002 JC_{49}	16.5	X	160.63828	258.77142	259.37374	3.93400	0.1702374	0.27238239	2.3569482	21	8 26.3	20.2
169654 2002 JU_{50}	16.5	X	7.54370	192.28189	50.60837	8.33144	0.1256180	0.25977015	2.4326328	21	5 16.8	18.5
169655 2002 JP_{51}	16.6	X	226.39047	200.05754	37.20497	4.31034	0.2246183	0.23853791	2.5749241	21	—	—
169656 2002 JZ_{52}	16.6	X	273.48406	132.29790	15.20482	5.98370	0.0943995	0.28719203	2.2752081	21	—	—
169657 2002 JY_{63}	16.3	X	113.90557	161.17064	76.71184	3.07861	0.1714854	0.27351569	2.3504331	21	10 26.8	19.8
169658 2002 JT_{65}	16.7	X	85.98453	139.25294	101.49275	3.68114	0.1516618	0.26957511	2.3732830	21	9 30.3	20.0
169659 2002 JE_{66}	16.2	X	84.48258	176.15620	73.70915	6.32755	0.1075453	0.27078598	2.3662026	21	10 6.6	19.4
169660 2002 JG_{66}	16.5	X	303.59732	162.14562	77.39300	6.20572	0.2590031	0.30053701	2.2073477	21	1 5.2	19.9
169661 2002 JF_{67}	16.4	X	261.10785	90.93238	59.84643	5.70662	0.1382111	0.28569105	2.2831702	21	12 17.1	18.7
169662 2002 JS_{69}	15.9	X	15.06725	177.73489	106.24700	7.56933	0.1027912	0.26804010	2.3823352	21	8 6.5	18.2
169663 2002 JJ_{70}	15.8	X	83.91569	82.91186	156.10236	9.56615	0.1447770	0.21910366	2.7250195	21	9 19.4	19.7
169664 2002 JP_{70}	16.9	X	248.46518	170.49197	21.38444	5.29010	0.1071223	0.29038666	2.2584905	21	—	—
169665 2002 JM_{74}	16.3	X	147.45662	354.83244	252.72451	9.17782	0.1103225	0.28202755	2.3028997	21	12 9.3	19.7
169666 2002 JR_{76}	17.2	X	336.15388	313.42201	252.82143	1.49042	0.1169681	0.30479823	2.1867263	21	1 17.7	19.4
169667 2002 JL_{80}	16.4	X	193.08195	104.71668	40.39013	8.16356	0.0582353	0.27555277	2.3388347	21	9 22.3	19.6
169668 2002 JD_{84}	17.5	X	226.22652	142.38926	24.36437	3.57401	0.1732399	0.28389584	2.2927852	21	11 13.3	20.4
169669 2002 JK_{86}	16.6	X	143.20202	261.29814	18.73561	1.99875	0.1780329	0.23192588	2.6236340	21	—	—
169670 2002 JT_{87}	16.9	X	46.10800	41.61929	222.94635	1.32564	0.0987195	0.26793898	2.3829346	21	8 28.7	19.5
169671 2002 JX_{87}	16.9	X	238.46252	281.01221	234.76967	4.96779	0.0979472	0.28253783	2.3001261	21	11 26.2	19.5
169672 2002 JX_{88}	17.1	X	182.19811	41.18611	174.46929	0.77024	0.1125613	0.28276867	2.2988741	21	12 5.2	20.2
169673 2002 JS_{91}	16.1	X	95.67293	250.86006	230.64116	7.12571	0.0765740	0.25673211	2.4517862	21	4 13.6	19.2
169674 2002 JL_{93}	16.9	X	184.08851	98.47345	46.28169	4.22488	0.1465805	0.27309489	2.3528469	21	9 4.9	20.4
169675 2002 JM_{97}	16.4	X	75.57209	236.43970	63.50550	12.62734	0.5484992	0.21974997	2.7196739	21	12 26.7	21.8
169676 2002 JS_{97}	16.2	X	68.66801	184.22234	62.09509	5.36068	0.0766591	0.27166953	2.3610695	21	9 5.7	19.1
169677 2002 JK_{98}	16.6	X	52.55483	164.57809	88.98319	2.21279	0.1663388	0.26780724	2.3837160	21	9 5.1	19.2
169678 2002 JA_{102}	16.1	X	252.91244	278.64412	234.11659	21.13669	0.1839950	0.28418118	2.2912501	21	11 29.0	18.6
169679 2002 JB_{104}	16.5	X	134.97330	65.34594	124.88388	3.74988	0.0724630	0.27090164	2.3655291	21	9 10.8	19.7
169680 2002 JF_{110}	17.2	X	231.29844	207.58089	342.53873	2.58459	0.1567554	0.28615045	2.2807259	21	12 24.8	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
169681 2002 JM_{112}	17.1	X	46.51756	187.79086	52.67160	3.13530	0.1726413	0.26402509	2.4064264	21	8 7.6	19.5
169682 2002 JX_{113}	16.9	X	6.93801	260.90570	298.55224	5.29489	0.0724534	0.30701436	2.1761906	21	3 2.5	19.1
169683 2002 JD_{114}	16.7	X	44.92446	67.84950	253.21741	6.20788	0.1397656	0.27498564	2.3420494	21	11 22.9	19.4
169684 2002 JM_{125}	16.4	X	251.85955	217.73494	351.67851	2.70756	0.0922969	0.24030000	2.5623210	21	—	—
169685 2002 JZ_{125}	16.4	X	206.02675	24.54271	147.47036	5.17505	0.0825856	0.28048170	2.3113535	21	11 9.9	19.5
169686 2002 JF_{132}	16.3	X	330.44165	305.58505	284.89401	3.65319	0.0923294	0.25422251	2.4678952	21	2 25.6	19.2
169687 2002 JT_{133}	16.8	X	151.93108	253.52438	296.29754	3.08317	0.1384864	0.27456578	2.3444363	21	9 28.2	20.4
169688 2002 JX_{138}	15.8	X	83.95637	111.34977	228.45624	5.30803	0.3441380	0.22737972	2.6584892	21	—	—
169689 2002 JA_{141}	16.4	X	125.10016	66.95234	92.71497	7.34917	0.0485963	0.26498886	2.4005880	21	7 14.2	19.6
169690 2002 JK_{149}	16.3	X	186.21355	65.15725	185.32741	15.10618	0.1083550	0.23465064	2.6032840	21	—	—
169691 2002 KL_{1}	16.0	X	312.90697	293.49141	220.91696	4.03494	0.0930069	0.24157769	2.5532784	21	—	—
169692 2002 LC_{1}	16.1	X	268.15200	150.63168	169.20001	5.88405	0.1299546	0.25439259	2.4667951	21	4 2.4	19.6
169693 2002 LS_{4}	16.5	X	224.83676	161.05872	126.72233	7.00219	0.2593282	0.24104224	2.5570582	21	1 9.3	21.0
169694 2002 LC_{5}	16.3	X	188.90518	189.86110	75.66437	4.07562	0.1505377	0.23276204	2.6173469	21	—	—
169695 2002 LK_{7}	16.4	X	182.67899	203.11312	98.55527	11.26421	0.1545713	0.23884331	2.5727287	21	—	—
169696 2002 LZ_{10}	15.3	X	186.61247	152.23418	215.85232	6.82062	0.3011631	0.24450202	2.5328788	21	3 15.4	20.1
169697 2002 LZ_{12}	15.9	X	261.27132	63.25427	210.54170	5.37087	0.2119325	0.24399231	2.5364052	21	1 20.5	20.1
169698 2002 LR_{17}	16.7	X	27.84184	40.30185	196.69021	2.37405	0.1736963	0.26088851	2.4256758	21	6 23.8	18.8
169699 2002 LM_{18}	15.4	X	197.78765	79.68631	256.64202	5.11516	0.2471704	0.24259682	2.5461226	21	2 12.9	20.0
169700 2002 LK_{27}	15.5	X	127.00617	199.11668	118.93285	15.55755	0.2556115	0.22755352	2.6571354	21	—	—
169701 2002 LZ_{27}	16.2	X	340.51467	342.54571	261.61447	0.97512	0.0942539	0.25462794	2.4652748	21	4 2.1	19.0
169702 2002 LP_{28}	16.2	X	205.04009	55.76839	240.95861	11.30098	0.2281824	0.23942732	2.5685434	21	1 3.8	20.8
169703 2002 LR_{34}	15.9	X	150.23381	282.86689	46.58221	8.37692	0.1970914	0.23648262	2.5898219	21	—	—
169704 2002 LE_{36}	15.8	X	87.46639	49.26030	235.38825	7.73237	0.2918703	0.22020494	2.7159265	21	12 1.1	20.5
169705 2002 LV_{36}	16.5	X	221.25141	62.11291	209.71825	3.84997	0.2670073	0.23816082	2.5776414	21	—	—
169706 2002 LP_{38}	16.0	X	56.17445	42.62388	243.26355	3.85363	0.1518312	0.21918970	2.7243064	21	10 14.1	19.5
169707 2002 LL_{39}	16.2	X	323.09519	105.73008	186.52690	7.23395	0.1683439	0.25758868	2.4463478	21	5 3.5	18.9
169708 2002 LE_{40}	16.2	X	207.10289	134.76470	163.46570	5.89193	0.2833888	0.23993174	2.5649422	21	1 9.1	20.9
169709 2002 LW_{42}	15.4	X	289.98599	86.35082	141.50597	12.56740	0.1999320	0.24349803	2.5398364	21	—	—
169710 2002 LA_{44}	15.6	X	96.50012	92.53416	238.04969	11.11868	0.2250176	0.22309115	2.6924511	21	—	—
169711 2002 LD_{45}	16.8	X	183.72693	355.14207	280.28976	4.55444	0.1762917	0.23675402	2.5878423	21	—	—
169712 2002 LX_{46}	15.9	X	180.61397	178.73534	134.69841	14.03780	0.1814059	0.23792464	2.5793470	21	1 3.1	20.2
169713 2002 LQ_{50}	15.5	X	174.78799	46.68418	258.84510	14.13028	0.1037965	0.23388527	2.6089603	21	—	—
169714 2002 LB_{52}	16.1	X	311.83843	152.41180	136.87072	6.76570	0.1297954	0.25586863	2.4572991	21	4 19.4	19.1
169715 2002 LR_{53}	15.1	X	98.13329	114.65525	205.27638	13.62394	0.2755586	0.22205590	2.7008129	21	—	—
169716 2002 LF_{62}	16.5	X	67.44328	172.63224	347.05745	2.24573	0.1253482	0.25766279	2.4458787	21	5 3.1	19.2
169717 2002 MF	15.9	X	172.74229	202.44848	120.43861	14.72829	0.1816544	0.23864405	2.5741606	21	1 7.1	19.9
169718 2002 MJ	15.7	X	129.67334	174.49091	115.47246	15.66839	0.0931813	0.22631099	2.6668522	21	—	—
169719 2002 MU_{1}	16.3	X	222.13603	158.42091	87.92977	7.88794	0.0674461	0.28933943	2.2639368	21	—	—
169720 2002 NQ_{8}	16.4	X	110.33050	173.34871	137.21861	7.53143	0.1464271	0.22567750	2.6718406	21	—	—
169721 2002 NL_{10}	16.1	X	218.54110	225.56122	145.56480	1.76134	0.3079663	0.24628164	2.5206624	21	4 11.6	20.7
169722 2002 NZ_{12}	15.7	X	175.35061	185.08473	196.14767	1.66241	0.1145067	0.24318101	2.5420433	21	3 16.2	19.6
169723 2002 NG_{15}	16.0	X	123.20975	306.03676	324.50594	8.25209	0.2034716	0.22312181	2.6922044	21	12 6.9	20.7
169724 2002 NJ_{28}	15.8	X	248.22290	206.35516	95.58923	4.25773	0.1111289	0.24480785	2.5307689	21	2 20.7	19.6
169725 2002 NB_{29}	15.8	X	177.84157	174.36192	111.57841	9.87917	0.0789332	0.23126551	2.6286260	21	—	—
169726 2002 NE_{32}	16.3	X	136.32116	78.90737	230.87325	11.95657	0.2947811	0.22741265	2.6582325	21	—	—
169727 2002 NM_{34}	16.2	X	185.65326	116.63359	185.39570	7.04238	0.1928833	0.23485222	2.6017941	21	—	—
169728 2002 NH_{36}	16.5	X	253.72620	12.78872	265.37081	6.24101	0.2267164	0.24221482	2.5487989	21	1 19.3	20.8
169729 2002 NQ_{37}	15.6	X	184.97969	344.11554	283.64835	11.25487	0.1536427	0.23001005	2.6381825	21	—	—
169730 2002 NW_{46}	15.9	X	54.63168	136.02567	204.50013	4.50906	0.1342883	0.21821758	2.7323913	21	12 18.8	19.7
169731 2002 NQ_{47}	15.6	X	356.01962	107.92231	274.08636	3.10497	0.2208903	0.21599045	2.7511421	21	11 26.4	18.2
169732 2002 NW_{47}	16.3	X	97.38050	99.52608	229.54943	2.85897	0.1843697	0.22504797	2.6768209	21	—	—
169733 2002 NF_{52}	16.0	X	130.80257	279.25228	100.09917	3.49475	0.1354017	0.23536306	2.5980281	21	1 28.7	19.4
169734 2002 NF_{56}	15.9	X	32.02287	131.64114	226.10657	5.12918	0.0508500	0.22035634	2.7146823	21	11 30.4	19.5
169735 2002 NJ_{58}	15.8	X	50.29528	89.84770	242.18693	12.75979	0.1390943	0.21786909	2.7353043	21	12 3.6	19.4
169736 2002 NB_{61}	16.5	X	101.45141	317.10907	100.06014	6.39721	0.1027975	0.23690042	2.5867760	21	2 3.9	19.8
169737 2002 OM_{1}	16.0	X	210.30170	49.33652	245.27494	6.95993	0.1752271	0.23651426	2.5895909	21	1 5.5	20.4
169738 2002 ON_{1}	15.0	X	85.27547	87.91413	284.53499	25.70493	0.3292630	0.22451649	2.6810437	21	—	—
169739 2002 ON_{2}	15.4	X	135.98782	5.81863	281.45604	10.68805	0.1672474	0.22351549	2.6890423	21	—	—
169740 2002 OC_{5}	15.4	X	73.82784	248.51768	174.94990	21.91365	0.0868413	0.23304405	2.6152349	21	—	—
169741 2002 OK_{6}	16.1	X	2.08189	119.23504	222.04916	6.87365	0.2405647	0.21092683	2.7949980	21	10 10.9	18.7
169742 2002 OZ_{11}	15.8	X	82.49941	142.51050	186.69172	14.38914	0.1173676	0.22278343	2.6949298	21	—	—
169743 2002 OK_{13}	16.0	X	70.56300	183.85506	163.28157	12.58530	0.1942418	0.22247300	2.6974362	21	—	—
169744 2002 OF_{18}	15.8	X	191.52457	24.53101	238.91407	6.87713	0.1750098	0.23059553	2.6337151	21	—	—
169745 2002 OT_{18}	15.7	X	332.19775	119.25264	257.51771	9.94955	0.2089814	0.21165291	2.7886021	21	9 16.6	18.6
169746 2002 OQ_{19}	16.2	X	89.77221	126.55052	214.15961	4.53116	0.0513989	0.22452565	2.6809708	21	—	—
169747 2002 OY_{24}	15.7	X	346.03562	279.83905	333.78284	5.26706	0.0411629	0.19776133	2.9177078	21	5 4.1	19.7
169748 2002 OL_{25}	16.7	X	168.65963	72.78586	304.53446	3.65847	0.2309021	0.23767721	2.5811368	21	3 11.3	21.0
169749 2002 PA_{3}	16.0	X	235.42464	58.66804	270.22493	11.87781	0.1972316	0.24304646	2.5429814	21	3 1.7	20.5
169750 2002 PD_{5}	15.6	X	73.04715	150.54966	256.79785	12.12672	0.0905842	0.23010189	2.6374805	21	—	—
169751 2002 PO_{5}	15.8	X	94.23909	33.12315	247.38606	7.36942	0.1552914	0.21767599	2.7369216	21	11 20.2	20.1
169752 2002 PX_{19}	16.8	X	233.74029	154.39793	148.12874	2.74704	0.0777042	0.24109788	2.5566648	21	2 6.7	20.4
169753 2002 PY_{23}	15.9	X	11.60307	139.44626	249.33499	4.37299	0.0396770	0.22017549	2.7161687	21	12 10.9	19.5
169754 2002 PE_{25}	16.3	X	161.24554	118.02961	216.01287	0.84171	0.0804337	0.23395775	2.6084214	21	—	—
169755 2002 PW_{27}	16.3	X	178.53708	123.20490	291.34654	4.52029	0.2267750	0.24475211	2.5311531	21	5 2.8	20.7
169756 2002 PE_{30}	15.9	X	69.31231	189.80839	152.40029	7.94005	0.1147829	0.22119431	2.7078218	21	—	—
169757 2002 PL_{31}	16.4	X	179.86147	131.64769	246.38347	2.41842	0.1842676	0.24058278	2.5603128	21	3 19.4	20.5
169758 2002 PF_{34}	15.6	X	75.52576	332.99503	329.00455	8.26978	0.1650174	0.21776620	2.7361657	21	11 26.7	19.8
169759 2002 PT_{35}	16.3	X	142.25502	137.37755	175.23747	2.85730	0.0890522	0.22786766	2.6546927	21	—	—
169760 2002 PD_{41}	15.4	X	44.83428	52.02890	276.60305	7.90355	0.2716913	0.21338501	2.7734911	21	12 10.5	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
169761 2002 PE_{48}	15.2	X	51.04721	67.57010	283.06242	7.76318	0.1763895	0.21744351	2.7388721	21	—	—
169762 2002 PF_{49}	15.8	X	231.53772	51.62965	236.37605	6.89109	0.1818963	0.23762810	2.5814924	21	1 14.6	20.2
169763 2002 PL_{51}	16.0	X	91.37224	285.42399	85.10722	2.93772	0.0618621	0.22936882	2.6430972	21	—	—
169764 2002 PC_{57}	15.0	X	112.19792	338.48380	322.68136	9.78135	0.2045700	0.22171815	2.7035550	21	—	—
169765 2002 PF_{60}	15.5	X	82.16331	138.01986	150.11372	18.48738	0.2860578	0.21717665	2.7411152	21	12 3.5	20.4
169766 2002 PJ_{71}	16.1	X	106.16177	132.88805	180.71298	11.11081	0.1901301	0.22459022	2.6804569	21	—	—
169767 2002 PS_{73}	15.6	X	51.95398	90.70778	271.31342	11.39658	0.1434862	0.22049339	2.7135573	21	—	—
169768 2002 PY_{77}	15.4	X	13.99213	239.94218	95.50528	8.11095	0.2235093	0.21155657	2.7894487	21	10 30.6	18.4
169769 2002 PW_{85}	16.2	X	209.24227	338.22935	7.85054	3.61283	0.2475549	0.24151417	2.5537260	21	3 7.6	20.5
169770 2002 PJ_{89}	15.5	X	44.30125	235.24720	224.63060	14.80282	0.0241464	0.23376305	2.6098696	21	—	—
169771 2002 PV_{89}	15.2	X	61.31678	126.77900	254.79166	12.46250	0.1177955	0.22308321	2.6925149	21	—	—
169772 2002 PD_{90}	15.6	X	114.65566	113.32571	220.02773	12.06226	0.0956720	0.22637481	2.6663510	21	—	—
169773 2002 PM_{90}	15.3	X	177.14246	12.25807	253.60923	13.84015	0.1084567	0.22722774	2.6596745	21	—	—
169774 2002 PP_{90}	15.2	X	220.75283	256.77365	303.42953	25.10977	0.1032094	0.22289721	2.6940127	21	12 22.3	19.3
169775 2002 PM_{99}	15.6	X	146.99906	280.54399	0.51365	14.20737	0.1102878	0.22436344	2.6822628	21	—	—
169776 2002 PF_{102}	15.9	X	8.53230	114.44801	227.80684	7.08807	0.1037648	0.21247353	2.7814174	21	10 10.0	19.3
169777 2002 PU_{102}	15.3	X	71.42935	186.04684	159.53296	15.08910	0.1452636	0.22288381	2.6941206	21	—	—
169778 2002 PW_{102}	16.0	X	73.20931	105.95436	281.36843	10.17610	0.0212661	0.22872403	2.6480622	21	—	—
169779 2002 PC_{104}	15.8	X	105.46600	138.97605	192.11708	8.73192	0.1210933	0.22476440	2.6790718	21	—	—
169780 2002 PR_{116}	15.5	X	93.55869	35.37243	301.97428	6.68478	0.1439718	0.22184427	2.7025303	21	—	—
169781 2002 PG_{121}	15.2	X	23.07887	88.46336	295.66127	7.92422	0.2118889	0.21712810	2.7415238	21	—	—
169782 2002 PT_{123}	15.9	X	52.94496	141.74663	185.85197	8.10849	0.2357376	0.21691228	2.7433420	21	12 14.5	19.9
169783 2002 PB_{133}	16.5	X	358.50586	357.30419	334.36943	0.99107	0.1483124	0.26201148	2.4187399	21	9 19.7	18.6
169784 2002 PP_{133}	15.7	X	132.57203	171.61215	145.97639	11.86788	0.0983186	0.22704311	2.6611162	21	—	—
169785 2002 PX_{134}	15.7	X	116.44272	353.27647	7.45561	8.55964	0.1622106	0.22902439	2.6457465	21	—	—
169786 2002 PS_{136}	16.2	X	172.48713	260.70902	87.67603	3.53970	0.0509465	0.23770859	2.5809096	21	1 27.8	19.7
169787 2002 PH_{137}	15.7	X	7.34139	54.15977	350.00966	4.46055	0.0954088	0.21925405	2.7237734	21	12 31.7	19.2
169788 2002 PT_{139}	15.3	X	48.60867	317.90854	356.08524	13.20827	0.1959713	0.21505457	2.7591179	21	11 11.6	19.3
169789 2002 PZ_{156}	16.8	X	243.36652	153.75210	112.72678	2.18944	0.1510257	0.23840368	2.5758906	21	1 1.5	20.9
169790 2002 PD_{157}	16.3	X	232.83682	266.61941	324.00339	4.66766	0.0335391	0.23046177	2.6347340	21	—	—
169791 2002 PB_{158}	16.1	X	126.55296	328.46807	42.38501	2.28541	0.1087724	0.23314086	2.6145109	21	1 9.3	19.5
169792 2002 PP_{161}	16.3	X	169.24365	168.96720	126.63578	2.64535	0.0922050	0.23012737	2.6372858	21	—	—
169793 2002 PU_{164}	16.6	X	163.47211	303.82688	73.56216	1.80397	0.1808097	0.23895720	2.5719112	21	3 5.9	20.7
169794 2002 PD_{171}	16.3	X	171.43276	180.86566	159.87179	4.86443	0.0679663	0.23748884	2.5825015	21	1 17.3	19.9
169795 2002 PE_{173}	15.7	X	60.80002	2.89943	0.12805	14.46689	0.1500098	0.22120819	2.7077085	21	—	—
169796 2002 PV_{177}	16.6	X	84.82528	237.43994	79.03794	2.68241	0.0644146	0.22093363	2.7099514	21	12 15.6	20.3
169797 2002 PU_{180}	17.7	X	119.08042	76.81444	214.97740	5.98502	0.2773838	0.22354036	2.6888429	21	12 30.7	22.6
169798 2002 PZ_{180}	16.0	X	60.53052	7.11399	37.90410	3.55051	0.0879191	0.22866192	2.6485417	21	—	—
169799 2002 QO	15.0	X	347.46589	137.42598	259.32704	6.79656	0.2318055	0.21141693	2.7906768	21	11 28.9	17.5
169800 2002 QJ_{4}	16.1	X	338.31496	171.11234	190.79926	3.74958	0.1113713	0.20934561	2.8090544	21	9 16.5	19.2
169801 2002 QP_{6}	16.0	X	33.26537	110.48827	259.60119	6.58588	0.1320538	0.21667678	2.7453294	21	12 28.1	19.6
169802 2002 QK_{7}	16.0	X	27.84932	233.86508	107.77159	7.03490	0.1333950	0.21531014	2.7569341	21	11 16.5	19.4
169803 2002 QG_{11}	16.6	X	104.77814	167.78393	198.11348	2.51301	0.0950296	0.22923595	2.6441184	21	—	—
169804 2002 QJ_{16}	15.9	X	49.37205	100.79065	212.46946	3.89355	0.0593305	0.21389174	2.7691089	21	10 27.3	19.5
169805 2002 QO_{16}	16.1	X	57.05359	147.29754	183.43021	8.22310	0.2123345	0.21733677	2.7397688	21	12 19.5	20.2
169806 2002 QQ_{18}	15.9	X	317.86587	310.87691	104.29372	4.67074	0.0843023	0.21312202	2.7757723	21	10 29.9	19.3
169807 2002 QE_{19}	16.0	X	73.33379	339.81255	10.85681	4.95909	0.1199082	0.22136144	2.7064587	21	—	—
169808 2002 QG_{19}	16.4	X	269.10827	199.54310	79.09774	3.06162	0.1812761	0.24212198	2.5494504	21	2 7.1	20.3
169809 2002 QN_{20}	15.7	X	87.69151	304.30599	357.49088	2.35511	0.0582743	0.21710151	2.7417477	21	11 28.9	19.6
169810 2002 QU_{29}	16.7	X	170.75975	314.58015	20.58604	2.88843	0.0821682	0.23473023	2.6026955	21	1 12.8	20.5
169811 2002 QU_{31}	15.8	X	61.19266	266.53545	140.14688	15.55318	0.0957760	0.22703073	2.6612129	21	—	—
169812 2002 QT_{35}	15.5	X	353.41361	295.13420	150.25684	22.04386	0.0790505	0.22195069	2.7016664	21	—	—
169813 2002 QU_{41}	15.8	X	147.29038	199.09601	122.22521	5.29686	0.0708543	0.23029573	2.6360004	21	—	—
169814 2002 QH_{46}	15.6	X	34.56161	265.70564	100.10037	5.98514	0.1737059	0.21929608	2.7234253	21	12 31.4	19.2
169815 2002 QH_{54}	15.9	X	21.80034	292.71668	176.77944	11.91312	0.0441916	0.23053667	2.6341633	21	—	—
169816 2002 QK_{55}	16.4	X	0.33029	28.73292	20.18832	6.09813	0.0452130	0.21931838	2.7232407	21	12 21.6	20.0
169817 2002 QS_{55}	16.4	X	208.89057	274.35265	349.71063	5.12674	0.1320895	0.23098743	2.6307353	21	—	—
169818 2002 QC_{56}	15.7	X	348.65638	283.22909	141.72566	10.02886	0.1130152	0.21862135	2.7290260	21	12 31.5	19.0
169819 2002 QE_{57}	15.6	X	58.90065	171.38482	134.46762	10.42262	0.1125164	0.21442889	2.7644826	21	11 10.8	19.6
169820 2002 QO_{57}	16.4	X	63.22161	33.68851	311.68240	4.45957	0.0522998	0.22001279	2.7175076	21	12 24.4	20.1
169821 2002 QT_{57}	15.6	X	281.05008	222.48086	343.16124	9.80512	0.0524354	0.23141597	2.6274865	21	—	—
169822 2002 QV_{58}	16.3	X	58.74507	131.12385	215.76645	4.67368	0.0758700	0.21928039	2.7235553	21	12 23.6	20.0
169823 2002 QL_{62}	17.0	X	202.40233	108.01969	267.97120	0.55264	0.0903482	0.24402288	2.5361933	21	4 6.0	20.5
169824 2002 QM_{67}	15.7	X	357.20000	24.42979	339.60361	4.66596	0.0823592	0.21291365	2.7775830	21	10 19.5	19.1
169825 2002 QQ_{67}	16.6	X	55.95668	4.05397	3.73510	4.94013	0.1082930	0.22148940	2.7054162	21	—	—
169826 2002 QQ_{68}	15.8	X	212.94118	167.81319	149.20478	6.51473	0.1864985	0.18583139	3.0412818	21	2 9.7	20.9
169827 2002 QH_{69}	15.8	X	19.51930	306.01203	137.35839	12.91560	0.1423118	0.22609860	2.6685221	21	—	—
169828 2002 QU_{71}	16.5	X	223.95854	307.77689	329.10485	2.93167	0.1298526	0.23535596	2.5980804	21	—	—
169829 2002 QF_{72}	16.3	X	346.92294	85.58196	334.56827	2.56798	0.1222574	0.21821018	2.7324531	21	12 23.0	19.3
169830 2002 QW_{78}	15.6	X	239.07456	17.03864	323.94276	9.18135	0.0928406	0.19313741	2.9640927	21	4 1.9	20.2
169831 2002 QL_{80}	16.5	X	162.63617	101.76738	179.97086	6.75762	0.0879200	0.22646696	2.6656276	21	—	—
169832 2002 QG_{88}	16.3	X	13.77472	129.73643	332.24367	0.79953	0.0824144	0.22843322	2.6503092	21	—	—
169833 2002 QY_{92}	15.9	X	81.75072	205.96705	81.95360	4.31803	0.0415191	0.21448273	2.7640199	21	11 3.8	19.6
169834 Hujie	16.3	X	120.70426	104.39299	217.32043	4.36391	0.0516197	0.22334374	2.6904207	21	—	—
169835 2002 QG_{97}	16.3	X	38.54890	347.20841	2.03385	4.45387	0.0412775	0.21839825	2.7308842	21	11 25.1	19.9
169836 2002 QC_{101}	16.1	X	40.80231	288.83119	10.35133	5.08957	0.1489492	0.21183661	2.7869897	21	10 9.8	19.6
169837 2002 QA_{107}	16.3	X	49.87133	280.84212	170.45221	3.82317	0.1065234	0.23274933	2.6174421	21	—	—
169838 2002 QU_{109}	16.9	X	72.86672	124.55629	282.50223	0.91906	0.0900886	0.23003351	2.6380031	21	—	—
169839 2002 QX_{120}	16.5	X	10.94120	178.34914	165.75865	4.72888	0.2156513	0.21351261	2.7723860	21	11 3.1	19.3
169840 2002 RN_{1}	15.3	X	13.45038	167.29608	270.98512	12.79729	0.1567910	0.22311456	2.6922628	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
169841 2002 RZ_{3}	16.1	X	95.21420	150.00390	245.96360	10.84736	0.0301314	0.23185463	2.6241714	21	—	—
169842 2002 RF_{7}	15.6	X	132.41051	332.49869	326.47935	9.35482	0.2196119	0.22678669	2.6631216	21	—	—
169843 2002 RT_{8}	15.5	X	4.35421	2.21202	50.49689	7.61540	0.2774982	0.21244737	2.7816456	21	—	—
169844 2002 RD_{9}	16.0	X	135.39976	215.59717	122.48166	3.07495	0.1023081	0.22922461	2.6442056	21	—	—
169845 2002 RG_{10}	15.4	X	319.82536	263.38002	152.92642	7.64788	0.1685656	0.21216612	2.7841034	21	10 30.3	18.4
169846 2002 RS_{11}	15.8	X	3.07899	190.40176	187.64566	4.12786	0.0821778	0.21299740	2.7768549	21	11 18.9	19.2
169847 2002 RF_{15}	16.5	X	49.45623	137.68489	172.74072	7.71660	0.2143696	0.21329616	2.7742612	21	11 17.3	20.3
169848 2002 RJ_{21}	15.5	X	300.31283	287.32935	95.37207	3.09997	0.0755101	0.20467551	2.8516232	21	8 18.9	19.1
169849 2002 RQ_{23}	15.9	X	283.74110	230.26022	169.87476	2.18730	0.0928260	0.20477963	2.8506564	21	8 14.4	19.5
169850 2002 RC_{30}	14.8	X	150.96078	43.07482	321.31709	10.98198	0.1509403	0.18112008	3.0937958	21	2 10.7	19.6
169851 2002 RL_{34}	15.4	X	28.17109	272.43111	63.52990	4.62319	0.1250078	0.21135247	2.7912442	21	11 6.1	18.8
169852 2002 RH_{38}	15.6	X	7.69454	120.39702	321.07565	10.79262	0.1616656	0.22273735	2.6953015	21	—	—
169853 2002 RK_{38}	16.4	X	22.68162	162.42699	181.25079	7.86900	0.2281781	0.21322759	2.7748560	21	11 24.7	19.7
169854 2002 RB_{39}	15.5	X	19.56739	186.13676	130.49956	5.17108	0.1966758	0.21046077	2.7991227	21	10 9.1	18.5
169855 2002 RU_{41}	14.9	X	172.92578	268.57137	152.25274	11.37312	0.1262704	0.19208250	2.9749353	21	5 10.5	19.8
169856 2002 RD_{42}	15.7	X	79.93579	212.19394	138.08129	6.91905	0.0649058	0.22203495	2.7009828	21	—	—
169857 2002 RV_{43}	16.1	X	190.53777	257.86493	14.42865	4.03157	0.2480837	0.23043158	2.6349642	21	—	—
169858 2002 RG_{44}	15.8	X	82.64431	289.71499	29.72689	5.29577	0.0624053	0.21799025	2.7342906	21	12 15.5	19.7
169859 2002 RD_{45}	16.3	X	174.37262	311.23349	39.89839	3.59820	0.1757728	0.23525102	2.5988529	21	2 12.9	20.5
169860 2002 RW_{56}	15.5	X	333.35851	215.82889	187.91803	11.50673	0.0571552	0.21169113	2.7882665	21	11 7.7	19.1
169861 2002 RU_{57}	15.5	X	341.14274	73.36170	273.84056	4.79990	0.0557368	0.20558864	2.8431731	21	8 30.8	19.2
169862 2002 RY_{60}	15.4	X	341.38815	253.23754	151.80386	9.34327	0.1559348	0.21113335	2.7931750	21	11 25.4	18.5
169863 2002 RO_{65}	14.5	X	145.27680	44.20938	46.86690	17.85527	0.1423499	0.18425106	3.0586472	21	5 16.9	19.2
169864 2002 RP_{75}	16.1	X	351.12771	109.62752	251.57976	1.59594	0.1162362	0.20994958	2.8036645	21	10 8.1	19.2
169865 2002 RW_{75}	15.7	X	76.58848	293.60412	327.48810	2.92509	0.1543346	0.21069030	2.7970895	21	10 6.8	19.7
169866 2002 RG_{76}	15.7	X	109.90205	283.10489	358.19260	5.10662	0.0279536	0.21661981	2.7458108	21	11 25.6	19.6
169867 2002 RD_{89}	16.1	X	355.20034	63.73009	313.99548	2.52438	0.1072693	0.21257671	2.7805173	21	11 6.2	19.3
169868 2002 RT_{93}	15.9	X	303.18523	159.55375	261.81216	4.51296	0.0948400	0.20915105	2.8107961	21	10 9.3	19.4
169869 2002 RE_{94}	15.2	X	68.22141	152.01319	176.53084	9.27500	0.2150239	0.21634708	2.7481178	21	12 27.9	19.6
169870 2002 RA_{96}	15.4	X	4.09082	51.36338	345.46515	4.38766	0.1645689	0.21327258	2.7744657	21	12 24.1	18.5
169871 2002 RQ_{98}	15.3	X	56.18700	298.01220	16.65950	12.15317	0.1742798	0.21216468	2.7841160	21	11 19.8	19.4
169872 2002 RN_{103}	15.6	X	318.47243	60.02948	0.40274	8.57691	0.1425208	0.20902893	2.8118908	21	10 28.6	18.8
169873 2002 RP_{105}	15.3	X	15.61981	17.23893	28.16051	14.10224	0.1886903	0.21372385	2.7705589	21	—	—
169874 2002 RN_{116}	15.3	X	344.35256	120.40059	298.86145	8.14780	0.2711342	0.21363175	2.7713552	21	12 30.9	17.7
169875 2002 RF_{118}	15.5	X	30.32056	113.46649	253.13190	3.15274	0.1250418	0.21423415	2.7661576	21	12 18.4	19.0
169876 2002 RC_{120}	15.8	X	24.29869	296.98184	143.70492	22.45304	0.0403789	0.22696640	2.6617157	21	—	—
169877 2002 RC_{129}	14.7	X	354.75332	97.82399	340.49575	17.01766	0.2813067	0.21690859	2.7433732	21	—	—
169878 2002 RC_{131}	16.0	X	304.19113	282.20068	339.49340	5.17757	0.0779761	0.18969514	2.9998434	21	3 15.9	20.2
169879 2002 RO_{139}	15.1	X	3.94425	283.72657	116.70747	14.25693	0.1889314	0.21462165	2.7628271	21	—	—
169880 2002 RG_{143}	15.9	X	322.21161	141.99496	222.00118	1.53335	0.1166606	0.20530407	2.8457998	21	8 21.3	19.3
169881 2002 RM_{144}	15.7	X	256.49125	207.32008	347.58158	7.05204	0.0227885	0.22379286	2.6868199	21	—	—
169882 2002 RH_{146}	15.6	X	198.93744	161.54409	208.45703	7.06676	0.0885884	0.18809659	3.0168157	21	3 30.7	20.2
169883 2002 RL_{151}	15.9	X	80.84442	148.36551	271.47157	9.33306	0.2058682	0.22865223	2.6486166	21	1 21.1	18.8
169884 2002 RZ_{151}	15.7	X	309.30608	216.21188	222.32100	8.54273	0.1348915	0.21276029	2.7789176	21	11 10.7	18.9
169885 2002 RE_{152}	15.7	X	135.11173	71.50035	207.77453	12.22687	0.0350530	0.21921258	2.7241169	21	12 23.8	19.8
169886 2002 RA_{158}	16.0	X	299.56154	128.64619	335.76512	7.31421	0.1829208	0.21392031	2.7688624	21	11 21.4	19.2
169887 2002 RM_{165}	16.3	X	28.46148	287.49979	4.65138	1.89680	0.0295775	0.20520313	2.8467329	21	8 27.6	20.0
169888 2002 RE_{167}	15.9	X	15.81983	15.07954	343.39784	3.65834	0.2169727	0.21358435	2.7717652	21	11 29.2	19.1
169889 2002 RL_{168}	15.8	X	151.81536	227.55817	339.84521	3.51034	0.1422326	0.21166456	2.7884998	21	10 14.8	20.2
169890 2002 RC_{172}	16.8	X	48.60744	262.98675	30.21609	8.52340	0.2881825	0.21261915	2.7801473	21	11 2.6	20.5
169891 2002 RN_{172}	15.0	X	267.38164	65.13038	184.43735	10.84025	0.0799140	0.18361083	3.0657531	21	1 17.4	19.7
169892 2002 RL_{173}	15.4	X	49.92944	243.93302	97.27499	9.93858	0.1321005	0.21482819	2.7610559	21	12 13.5	19.1
169893 2002 RP_{174}	16.4	X	75.78773	141.64922	251.39618	3.38229	0.0926858	0.22596682	2.6695595	21	—	—
169894 2002 RV_{174}	15.1	X	158.04279	63.26836	301.53528	8.09132	0.1027994	0.18202180	3.0835698	21	2 12.4	19.9
169895 2002 RB_{176}	15.5	X	66.49971	100.99826	259.15049	5.15342	0.0376005	0.22051283	2.7133978	21	—	—
169896 2002 RD_{182}	15.3	X	28.35532	187.11175	276.30924	13.11059	0.1379766	0.22773792	2.6557008	21	—	—
169897 2002 RE_{186}	15.2	X	3.50396	229.62711	248.50301	9.92705	0.0915536	0.22601666	2.6691670	21	—	—
169898 2002 RJ_{189}	15.8	X	97.77706	56.83958	181.97410	12.52088	0.1758996	0.21076963	2.7963876	21	10 6.3	20.0
169899 2002 RX_{203}	16.5	X	16.51722	147.38435	162.95572	2.01673	0.2439745	0.20991402	2.8039811	21	9 29.1	19.2
169900 2002 RH_{204}	15.7	X	71.42094	183.96546	190.76145	5.82028	0.0553619	0.22440756	2.6819112	21	—	—
169901 2002 RT_{206}	16.0	X	19.28142	250.08655	200.69850	4.34245	0.0242508	0.22567363	2.6718711	21	—	—
169902 2002 RL_{207}	15.8	X	142.19140	227.78297	4.82233	3.49595	0.0415548	0.21287901	2.7778843	21	11 3.3	19.7
169903 2002 RM_{209}	16.3	X	28.86069	145.34829	178.25055	2.55405	0.0930611	0.20920528	2.8103104	21	10 16.9	19.7
169904 2002 RV_{211}	15.6	X	145.00536	99.43099	194.13374	8.61732	0.1011415	0.22329385	2.6908214	21	—	—
169905 2002 RR_{227}	16.1	X	329.50914	100.29566	290.75643	2.94201	0.1091304	0.20945386	2.8080865	21	10 10.7	19.4
169906 2002 RS_{230}	16.0	X	129.39709	269.51468	62.63961	2.88421	0.0672977	0.22602856	2.6690733	21	—	—
169907 2002 RS_{233}	16.2	X	289.94640	328.65031	178.24044	1.62782	0.0165559	0.22318430	2.6917018	21	—	—
169908 2002 RU_{238}	16.3	X	34.59292	333.89381	130.77576	3.06320	0.1712522	0.22902318	2.6457558	21	—	—
169909 2002 RY_{238}	16.4	X	102.90405	136.27590	301.28581	2.89340	0.1730352	0.23551197	2.5969329	21	3 13.2	19.8
169910 2002 RP_{247}	16.3	X	74.65599	291.33293	358.99225	5.05844	0.0887259	0.21480566	2.7612490	21	11 1.7	20.3
169911 2002 RY_{255}	16.2	X	325.21526	42.00488	195.47144	11.76654	0.2008704	0.24580560	2.5239158	21	2 10.4	19.6
169912 2002 RP_{268}	16.2	X	208.03052	298.97685	159.07486	5.39313	0.1306628	0.20259750	2.8710890	21	7 25.7	20.6
169913 2002 RL_{272}	16.7	X	4.84801	290.46694	169.03207	2.47427	0.1123106	0.22611732	2.6683748	21	—	—
169914 2002 SD_{4}	15.8	X	212.42417	101.26059	290.57809	4.75980	0.1459803	0.24367493	2.5386071	21	5 4.2	19.9
169915 2002 SR_{8}	15.8	X	270.65047	11.24666	32.38473	4.48356	0.0767596	0.20077751	2.8884133	21	8 5.7	19.7
169916 2002 SH_{10}	15.8	X	53.36496	43.53313	23.68623	10.38518	0.1008886	0.22455618	2.6807277	21	—	—
169917 2002 SG_{13}	17.0	X	1.79687	355.85013	232.77124	18.49915	0.0725026	0.40175919	1.8189699	21	3 14.9	18.9
169918 2002 SE_{14}	15.9	X	158.22964	224.05543	17.32624	7.78738	0.1313911	0.21751925	2.7382363	21	11 30.6	20.4
169919 2002 SK_{14}	16.1	X	303.67793	305.38288	11.91528	1.85646	0.0874671	0.19620174	2.9331492	21	5 24.3	20.1
169920 2002 SQ_{14}	15.3	X	106.52104	110.86892	155.54609	8.12572	0.1882461	0.21425442	2.7659831	21	11 19.3	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
169921 2002 SB_{15}	14.9	X	101.05052	110.06116	253.59402	12.93258	0.2071955	0.22424291	2.6832238	21	—	—
169922 2002 SE_{18}	15.7	X	245.04882	313.52849	186.01393	8.09776	0.1117293	0.21061848	2.7977253	21	10 31.5	19.7
169923 2002 SS_{20}	16.3	X	133.96843	143.77923	161.01195	2.60247	0.1249884	0.22246246	2.6975214	21	—	—
169924 2002 SR_{26}	15.8	X	89.66463	328.51282	1.17534	5.80169	0.0645716	0.21888948	2.7267969	21	—	—
169925 2002 SP_{33}	15.5	X	63.41635	79.90121	357.65699	12.74563	0.1543403	0.22617112	2.6679516	21	1 13.6	18.6
169926 2002 SD_{40}	16.2	X	51.43046	187.62497	109.90648	4.27604	0.2367536	0.21152746	2.7897046	21	11 6.3	20.0
169927 2002 SN_{47}	15.4	X	183.38564	130.00625	193.12871	9.83173	0.0943789	0.17931778	3.1144915	21	1 19.4	20.3
169928 2002 SR_{49}	15.4	X	43.69563	333.61351	40.44481	6.39492	0.0823128	0.21662669	2.7457526	21	—	—
169929 2002 SR_{60}	15.6	X	82.55199	209.15300	59.57225	4.67986	0.0578145	0.20962277	2.8065778	21	10 13.4	19.4
169930 2002 TZ_{7}	16.0	X	109.49154	327.07227	6.51303	1.94348	0.0944018	0.22171910	2.7035473	21	—	—
169931 2002 TW_{10}	15.8	X	138.22038	63.21901	234.86408	11.83228	0.2616714	0.22537206	2.6742541	21	—	—
169932 2002 TX_{11}	15.5	X	33.10497	302.52768	34.88004	6.39667	0.0797929	0.21272105	2.7792593	21	11 7.6	19.1
169933 2002 TB_{12}	16.0	X	355.30005	43.19942	27.56544	2.21251	0.0653112	0.21834485	2.7313294	21	—	—
169934 2002 TA_{16}	15.7	X	0.66316	216.32962	194.15262	6.67073	0.0665402	0.21637452	2.7478855	21	12 25.3	19.2
169935 2002 TP_{22}	15.8	X	30.45287	184.43045	154.55551	4.07571	0.1034051	0.20975399	2.8054071	21	11 10.7	19.4
169936 2002 TA_{28}	15.5	X	337.42107	118.78098	229.66202	1.13948	0.1005321	0.20249103	2.8720954	21	8 26.7	18.8
169937 2002 TE_{28}	15.4	X	208.25669	349.52703	50.35168	8.79776	0.2427253	0.18984601	2.9982539	21	5 11.9	20.6
169938 2002 TQ_{30}	15.9	X	269.66307	351.79091	18.20324	6.88560	0.2357946	0.19637605	2.9314132	21	5 27.4	20.4
169939 2002 TV_{32}	15.6	X	62.36175	107.58211	192.81464	12.87473	0.1884745	0.21273813	2.7791106	21	11 16.2	19.7
169940 2002 TM_{34}	15.8	X	25.73822	353.66601	5.76447	5.79839	0.0605469	0.21208233	2.7848366	21	11 22.1	19.4
169941 2002 TX_{34}	15.1	X	137.05033	264.92518	193.73040	17.65867	0.0962849	0.18823082	3.0153812	21	5 16.9	19.8
169942 2002 TL_{40}	15.3	X	130.84532	174.15800	187.07964	10.49436	0.2079028	0.17440426	3.1727169	21	1 23.5	20.4
169943 2002 TJ_{45}	15.0	X	114.94184	153.10063	218.65168	10.38916	0.1180559	0.17252859	3.1956705	21	1 8.3	19.7
169944 2002 TO_{45}	15.0	X	313.53863	308.53906	27.25391	12.38943	0.1947212	0.19822039	2.9132013	21	6 15.8	18.7
169945 2002 TM_{47}	15.5	X	208.05801	348.58854	46.00779	3.00273	0.1383969	0.18846251	3.0129094	21	5 8.4	20.2
169946 2002 TG_{49}	15.3	X	347.09712	227.14150	220.90318	13.17293	0.1473492	0.21418404	2.7665890	21	—	—
169947 2002 TD_{54}	15.4	X	26.38255	116.28504	280.76297	3.70307	0.1945814	0.21237199	2.7823039	21	—	—
169948 2002 TZ_{62}	15.6	X	201.65452	323.57496	218.56446	8.75169	0.0799375	0.21116449	2.7929005	21	11 6.4	19.6
169949 2002 TG_{65}	15.5	X	240.45519	337.22153	4.84857	9.90727	0.1067555	0.18899944	3.0072004	21	4 6.8	20.0
169950 2002 TL_{66}	14.5	X	27.86551	234.16983	268.13738	29.92349	0.2951762	0.22922748	2.6441836	21	1 14.3	16.8
169951 2002 TO_{69}	15.7	X	143.30469	90.31939	306.82001	5.68020	0.0757949	0.23513360	2.5997181	21	2 24.9	19.5
169952 2002 TZ_{73}	16.2	X	342.89334	93.41868	234.02840	6.08321	0.3334068	0.20433957	2.8547477	21	7 19.7	18.1
169953 2002 TY_{79}	15.8	X	313.98383	258.26202	82.77126	7.42782	0.2899059	0.20015951	2.8943556	21	6 9.2	19.1
169954 2002 TX_{87}	15.9	X	275.62518	100.92531	317.54454	1.07873	0.0629325	0.20299909	2.8673013	21	9 1.2	19.8
169955 2002 TJ_{94}	15.7	X	147.34750	239.03052	26.75654	5.09215	0.0758765	0.21879360	2.7275935	21	12 21.5	19.9
169956 2002 TW_{97}	16.0	X	174.77079	84.30883	293.86537	10.90182	0.2040098	0.23708624	2.5854242	21	3 12.0	20.5
169957 2002 TN_{98}	16.0	X	244.29724	75.15692	5.60791	6.05478	0.0242335	0.20261319	2.8709408	21	8 28.2	19.9
169958 2002 TP_{101}	15.9	X	23.98226	137.62980	240.76991	4.75889	0.0203909	0.21487142	2.7606856	21	12 10.7	19.7
169959 2002 TG_{113}	15.6	X	7.58664	165.01794	267.69786	8.42991	0.1452249	0.21854078	2.7296966	21	—	—
169960 2002 TF_{116}	15.2	X	243.88722	72.22594	313.59425	9.48806	0.0252941	0.19477261	2.9474795	21	6 14.4	19.5
169961 2002 TZ_{116}	14.7	X	276.89604	57.84326	260.66111	9.85098	0.1405916	0.19169180	2.9789762	21	4 10.8	19.2
169962 2002 TZ_{119}	15.5	X	330.98803	131.95235	312.80376	8.56723	0.1768422	0.21304509	2.7764404	21	12 30.1	18.4
169963 2002 TP_{127}	15.4	X	19.91304	38.98932	307.67302	7.35699	0.2000739	0.21123582	2.7922717	21	11 15.6	18.7
169964 2002 TD_{130}	15.1	X	341.05372	227.72562	110.15603	7.58401	0.0715644	0.20391996	2.8586625	21	8 21.9	18.7
169965 2002 TW_{131}	15.4	X	18.63610	86.69329	279.62794	5.19417	0.1178205	0.21232497	2.7827146	21	11 29.6	18.9
169966 2002 TE_{132}	15.5	X	339.61727	180.33991	241.59845	3.93928	0.0569860	0.21380143	2.7698886	21	12 8.9	19.0
169967 2002 TB_{136}	15.1	X	220.49487	93.58500	288.35056	8.91373	0.1289930	0.18973510	2.9994222	21	5 2.4	20.0
169968 2002 TE_{143}	15.9	X	108.34688	286.94493	82.90546	7.63725	0.2158711	0.22536326	2.6743237	21	1 1.9	19.2
169969 2002 TD_{147}	16.5	X	150.26523	35.57657	249.57470	2.40759	0.1779391	0.22239796	2.6980429	21	—	—
169970 2002 TP_{158}	15.7	X	35.22876	351.16572	65.56410	16.31370	0.2190980	0.21907115	2.7252892	21	—	—
169971 2002 TJ_{168}	16.3	X	84.14321	345.92617	83.21833	2.69068	0.1924697	0.22940304	2.6428343	21	2 9.1	19.2
169972 2002 TO_{168}	15.4	X	71.25436	125.31729	266.44855	10.70672	0.0774087	0.22359249	2.6884249	21	—	—
169973 2002 TK_{172}	14.8	X	353.75874	142.45976	250.73216	12.61386	0.1914400	0.21328944	2.7743196	21	12 3.8	17.4
169974 2002 TU_{175}	15.3	X	329.18327	181.05284	279.64119	11.76812	0.0817791	0.21894987	2.7262955	21	—	—
169975 2002 TJ_{176}	15.6	X	86.10607	133.17234	290.48538	11.64922	0.2030919	0.23022184	2.6365643	21	2 2.7	18.7
169976 2002 TZ_{184}	15.0	X	79.76539	84.03129	315.45985	3.46128	0.1672655	0.17340533	3.1848898	21	1 4.9	19.0
169977 2002 TT_{185}	15.4	X	262.36310	99.12985	346.82300	14.32462	0.1181853	0.20476678	2.8507757	21	9 11.3	19.4
169978 2002 TW_{191}	15.5	X	81.74996	150.67307	326.18821	11.39464	0.2108140	0.23183862	2.6242923	21	4 6.9	18.8
169979 2002 TP_{192}	14.8	X	56.08709	298.09054	239.73664	27.24925	0.1088434	0.23868096	2.5738952	21	5 10.6	17.8
169980 2002 TS_{194}	16.5	X	63.79894	191.77693	180.45738	2.95036	0.1138127	0.22046369	2.7138010	21	—	—
169981 2002 TH_{197}	15.3	X	246.66662	120.95376	193.34170	19.09614	0.1589181	0.18814349	3.0163142	21	3 5.6	20.4
169982 2002 TF_{200}	15.7	X	218.51096	274.90584	118.08221	3.61676	0.1397336	0.18865873	3.0108199	21	5 17.3	20.4
169983 2002 TP_{211}	14.8	X	150.44471	296.29912	95.89195	15.63479	0.1481674	0.18123869	3.0924459	21	3 21.9	19.9
169984 2002 TS_{211}	15.7	X	341.89262	301.09649	123.64536	11.02755	0.1309762	0.21508835	2.7588291	21	12 21.1	18.9
169985 2002 TJ_{213}	16.0	X	314.61306	13.93363	336.36298	1.00262	0.0827048	0.20025022	2.8934815	21	7 25.4	19.4
169986 2002 TB_{217}	16.2	X	178.31403	307.61905	133.31926	6.51762	0.0316586	0.24534574	2.5270686	21	6 3.7	19.7
169987 2002 TK_{219}	15.7	X	52.44316	89.60305	286.07912	5.38164	0.0406821	0.21808484	2.7334999	21	—	—
169988 2002 TC_{220}	14.5	X	167.56880	80.00012	225.04025	18.59585	0.0616833	0.17193054	3.2030769	21	—	—
169989 2002 TN_{234}	14.9	X	39.30277	151.20233	264.57152	12.62048	0.1501596	0.21994557	2.7180612	21	—	—
169990 2002 TZ_{240}	15.8	X	280.49295	162.11260	206.46819	5.62166	0.0769079	0.19705963	2.9246300	21	6 30.9	19.9
169991 2002 TH_{245}	15.2	X	177.10000	158.32581	165.41803	9.81636	0.0581256	0.17544958	3.1601024	21	1 13.4	20.1
169992 2002 TN_{247}	16.1	X	114.56369	254.09188	40.84612	5.83039	0.0475211	0.21471565	2.7620206	21	12 19.9	20.2
169993 2002 TG_{248}	16.0	X	294.84897	213.27543	143.28338	2.93504	0.0890360	0.19840920	2.9113529	21	7 3.2	19.9
169994 2002 TE_{250}	16.2	X	67.98824	316.31773	48.79210	4.50508	0.1035953	0.21847552	2.7302402	21	—	—
169995 2002 TF_{254}	15.1	X	39.02265	76.98974	194.93461	13.02407	0.1287134	0.20087543	2.8874745	21	8 24.0	18.8
169996 2002 TX_{262}	15.2	X	323.01173	178.54810	129.88741	2.97073	0.0818822	0.19550378	2.9401260	21	6 11.3	18.9
169997 2002 TR_{263}	16.1	X	134.41591	168.07654	269.62966	1.99957	0.1270258	0.23597002	2.5935711	21	4 14.5	19.9
169998 2002 TU_{263}	14.7	X	262.79510	29.85743	259.81222	10.51131	0.0764703	0.18299427	3.0726356	21	2 26.0	19.4
169999 2002 TN_{273}	15.8	X	121.79989	178.82445	285.18545	2.58645	0.1003869	0.23878237	2.5731664	21	4 30.4	19.3
170000 2002 TE_{281}	15.7	X	131.15065	106.22167	289.42364	4.04789	0.2271968	0.23029827	2.6359809	21	2 28.3	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170001 2002 TS_{283}	16.0	X	190.13981	85.20370	286.26974	2.50225	0.2445732	0.23657423	2.5891533	21	3 21.9	20.5
170002 2002 TJ_{286}	15.0	X	30.64285	60.42458	342.33066	8.46489	0.1740716	0.21543259	2.7558893	21	—	—
170003 2002 TT_{286}	14.9	X	15.25760	37.00451	11.12438	13.27574	0.1897233	0.21357488	2.7718471	21	—	—
170004 2002 TF_{296}	16.2	X	75.07394	241.36549	70.08577	4.88278	0.0935448	0.21343572	2.7730518	21	11 30.4	20.2
170005 2002 TR_{296}	16.0	X	32.54717	265.05617	94.97342	5.15476	0.0861559	0.21302518	2.7766134	21	12 7.6	19.6
170006 Stoughton	15.7	X	169.31712	146.98655	165.64314	11.68560	0.0725442	0.17337623	3.1852463	21	—	—
170007 Strateva	16.4	X	157.15108	98.29275	181.45635	9.24732	0.1561197	0.22345351	2.6895395	21	—	—
170008 Michaelstrauss	15.8	X	260.85392	311.45871	155.49138	6.51993	0.0208283	0.20889113	2.8131273	21	10 23.9	19.6
170009 Subbarao	16.2	X	297.15018	350.11473	50.23495	9.71904	0.0849892	0.20370529	2.8606705	21	9 10.2	20.0
170010 Szalay	16.4	X	194.37263	158.54053	82.16529	5.96124	0.0565381	0.21932258	2.7232060	21	—	—
170011 Szkody	15.7	X	29.50158	110.25312	276.45552	5.43450	0.0764075	0.21873934	2.7280445	21	—	—
170012 Anithakar	16.0	X	199.46784	193.07881	11.43523	4.64425	0.0385203	0.21602903	2.7508145	21	12 5.3	19.9
170013 2002 UO_{3}	17.7	X	217.89283	329.38576	184.63240	24.60560	0.7977615	0.19245295	2.9711164	21	9 4.4	24.5
170014 2002 UZ_{4}	16.0	X	84.73490	323.02543	105.52143	8.35633	0.1851177	0.22691430	2.6621232	21	2 9.4	19.0
170015 2002 UE_{8}	15.4	X	105.61415	253.96322	110.38935	9.52489	0.2592132	0.22350840	2.6890991	21	—	—
170016 2002 UY_{10}	16.1	X	89.38235	72.80839	241.34533	2.46055	0.0885059	0.21389716	2.7690621	21	12 19.1	20.2
170017 2002 UC_{22}	15.0	X	154.43675	146.44189	240.46135	9.33368	0.1200445	0.17849864	3.1240126	21	3 5.9	20.1
170018 2002 UU_{23}	15.6	X	356.93584	131.85322	285.60358	3.68190	0.0157016	0.21381486	2.7697727	21	12 24.2	19.2
170019 2002 UV_{23}	15.2	X	293.85175	94.85485	265.34495	4.77800	0.1090762	0.19727132	2.9225374	21	7 3.6	19.1
170020 2002 UW_{23}	15.3	X	109.20013	76.68824	19.18711	11.96400	0.1400702	0.18127365	3.0920483	21	4 15.4	19.9
170021 2002 UE_{41}	16.2	X	38.79531	307.67335	111.28804	2.70724	0.1567996	0.21818430	2.7326691	21	—	—
170022 Douglastucker	16.2	X	218.07199	356.36376	127.48278	3.02232	0.0217663	0.20495672	2.8490141	21	9 19.6	20.2
170023 Vogeley	15.9	X	54.12040	214.88941	118.44691	5.18549	0.1077825	0.21293181	2.7774251	21	12 5.2	19.7
170024 2002 VH	15.3	X	232.94014	318.95653	69.46699	9.86217	0.1954661	0.19179510	2.9779064	21	5 21.2	20.1
170025 2002 VO	15.6	X	64.36200	299.60298	220.06279	10.54159	0.0678111	0.18430150	3.0580891	21	4 28.2	19.5
170026 2002 VV_{2}	15.2	X	227.60019	103.69835	48.54060	11.05338	0.1049830	0.20589516	2.8403507	21	10 27.4	19.3
170027 2002 VH_{5}	15.8	X	134.36559	310.92566	212.69272	3.41175	0.0298885	0.19460737	2.9491477	21	7 26.7	19.9
170028 2002 VW_{6}	15.2	X	214.42757	52.11610	9.14558	4.75925	0.0807810	0.19141014	2.9818978	21	6 19.6	19.7
170029 2002 VB_{9}	15.6	X	171.07606	95.02586	275.62970	6.11389	0.2081559	0.23340049	2.6125716	21	3 3.0	20.0
170030 2002 VA_{11}	15.2	X	212.90288	26.95622	46.27254	9.70008	0.0846280	0.19257468	2.9698642	21	7 3.3	19.8
170031 2002 VV_{15}	14.9	X	86.55816	243.74723	228.18367	8.56751	0.2070820	0.17558294	3.1585021	21	4 17.8	19.2
170032 2002 VF_{21}	15.1	X	125.64940	163.28780	271.32534	8.14284	0.0753555	0.18211714	3.0824935	21	3 27.5	19.7
170033 2002 VY_{21}	15.8	X	290.36868	79.22051	349.21577	4.50555	0.0815018	0.20398690	2.8580371	21	10 1.7	19.6
170034 2002 VH_{22}	15.1	X	301.63199	97.15206	239.57766	9.57248	0.0592915	0.19362340	2.9591307	21	6 20.5	19.1
170035 2002 VG_{28}	15.7	X	176.06274	187.23237	243.94799	2.74813	0.1601998	0.18651379	3.0338592	21	5 23.7	20.7
170036 2002 VA_{31}	15.7	X	64.88808	329.89058	66.42037	2.50717	0.1542440	0.21837082	2.7311129	21	—	—
170037 2002 VB_{31}	14.6	X	240.65892	285.92275	62.07059	22.74930	0.1332644	0.18566457	3.0431033	21	4 22.5	19.6
170038 2002 VJ_{32}	15.0	X	178.58289	154.10950	237.87091	5.03659	0.1834288	0.18215410	3.0820765	21	4 8.5	20.1
170039 2002 VS_{33}	14.4	X	106.54362	30.75352	69.46593	17.58565	0.1813555	0.17766247	3.1338070	21	4 29.9	19.2
170040 2002 VB_{36}	15.4	X	259.78452	130.75513	225.31612	8.73601	0.0579900	0.18963280	3.0005008	21	5 23.1	19.7
170041 2002 VS_{36}	15.1	X	134.67053	70.69438	63.00277	9.36378	0.2263817	0.18652703	3.0337156	21	7 6.1	20.2
170042 2002 VK_{37}	16.0	X	127.38363	271.08221	94.22119	7.35719	0.0683600	0.22474610	2.6792173	21	—	—
170043 2002 VJ_{42}	15.9	X	40.75502	311.75431	81.25140	10.14285	0.1637418	0.21566630	2.7538981	21	—	—
170044 2002 VA_{43}	15.2	X	335.51280	74.88710	60.07881	12.13219	0.1499286	0.21826477	2.7319974	21	—	—
170045 2002 VO_{47}	15.6	X	197.93369	252.46219	145.65776	2.51256	0.1982758	0.18579639	3.0416638	21	5 3.8	20.8
170046 2002 VA_{50}	15.7	X	160.99477	327.32679	92.12656	6.10450	0.0758315	0.23613817	2.5923398	21	4 19.6	19.4
170047 2002 VB_{52}	15.7	X	332.64323	31.94289	62.02197	12.90361	0.2469110	0.21251253	2.7810770	21	—	—
170048 2002 VT_{53}	15.9	X	111.74812	299.28938	78.28157	6.90980	0.0690742	0.22504823	2.6768188	21	—	—
170049 2002 VV_{54}	15.2	X	249.26448	36.03130	303.28493	9.19205	0.1078310	0.18739128	3.0243807	21	4 9.3	19.9
170050 2002 VY_{54}	16.0	X	202.32099	356.18639	350.09260	1.55842	0.0939001	0.23301031	2.6154874	21	3 1.2	19.9
170051 2002 VV_{57}	15.7	X	213.90448	281.60233	129.92023	5.45752	0.1982916	0.19121928	2.9838816	21	6 1.9	20.7
170052 2002 VG_{60}	15.7	X	175.66283	255.91311	189.66184	3.96595	0.1633640	0.18818245	3.0158979	21	6 10.2	20.7
170053 2002 VH_{65}	15.5	X	46.16723	243.18580	91.52287	4.66567	0.1041994	0.20973046	2.8056170	21	11 25.8	19.2
170054 2002 VM_{68}	15.0	X	231.38903	40.78767	314.07454	9.53270	0.1263840	0.18755558	3.0226143	21	4 8.5	19.9
170055 2002 VQ_{73}	14.9	X	208.80436	130.41893	214.76495	17.59464	0.1022325	0.18100642	3.0950908	21	3 7.9	20.0
170056 2002 VO_{75}	15.1	X	38.05414	329.63552	143.35304	6.09430	0.1555142	0.17106462	3.2138769	21	1 27.8	18.7
170057 2002 VB_{80}	15.1	X	170.13025	209.39235	215.03279	9.78016	0.1062691	0.18428312	3.0582925	21	5 8.9	19.8
170058 2002 VR_{81}	15.0	X	137.10772	12.22927	91.76088	14.66582	0.1065275	0.18339128	3.0681995	21	5 25.8	19.8
170059 2002 VD_{83}	15.0	X	122.40258	337.13030	150.30236	4.53943	0.1684733	0.18382504	3.0633710	21	6 12.3	19.8
170060 2002 VP_{83}	15.1	X	127.92272	244.22835	232.51622	15.64652	0.2366062	0.18206619	3.0830685	21	6 9.9	20.2
170061 2002 VT_{83}	15.1	X	64.07664	279.78244	97.60732	13.67984	0.0378730	0.21379955	2.7699049	21	—	—
170062 2002 VE_{88}	15.8	X	178.81713	33.87355	41.80927	8.89032	0.1561079	0.18702577	3.0283199	21	5 30.4	20.8
170063 2002 VP_{92}	15.8	X	316.90987	41.18754	100.26008	3.05744	0.0699710	0.21699712	2.7426269	21	—	—
170064 2002 VA_{93}	15.0	X	76.77355	60.92600	80.41347	12.81721	0.0546883	0.18121257	3.0927431	21	4 25.6	19.4
170065 2002 VQ_{96}	14.9	X	164.65051	164.00511	263.53956	10.19182	0.1021260	0.18617042	3.0375885	21	5 4.5	19.8
170066 2002 VU_{106}	15.0	X	290.45578	233.65870	38.34207	16.57092	0.0610480	0.18200340	3.0837775	21	3 23.3	19.5
170067 2002 VU_{108}	15.0	X	222.40443	164.64457	259.29823	8.39483	0.0593694	0.19115500	2.9845506	21	7 3.2	19.4
170068 2002 VE_{110}	15.6	X	151.82419	40.62948	65.79187	2.26666	0.1900499	0.18657670	3.0331772	21	6 15.2	20.4
170069 2002 VR_{110}	15.1	X	198.74625	156.34735	277.82022	8.66431	0.0571609	0.18966465	3.0001649	21	6 19.8	19.5
170070 2002 VD_{121}	15.6	X	65.06672	109.55464	279.94330	8.14138	0.1948851	0.21818112	2.7326957	21	—	—
170071 2002 VT_{127}	15.4	X	93.40793	308.46186	131.03181	16.73456	0.1755746	0.22755549	2.6571201	21	3 9.6	18.9
170072 2002 VG_{128}	15.1	X	179.75681	8.14607	87.80350	10.31128	0.0488868	0.18894830	3.0077430	21	6 25.7	19.4
170073 Ivanlinscott	15.6	X	31.28499	343.23726	27.20414	9.78177	0.0464140	0.21261049	2.7802228	21	12 11.8	19.5
170074 2002 VC_{132}	16.5	X	194.66324	9.43502	51.12426	2.84787	0.2087836	0.18785326	3.0194203	21	5 26.6	21.5
170075 2002 VT_{140}	15.3	X	163.15558	297.88427	158.84574	8.73844	0.1735591	0.18657116	3.0332372	21	6 13.5	20.4
170076 2002 WK_{2}	16.1	X	330.62894	124.98319	238.36544	2.13434	0.1145510	0.20032841	2.8927286	21	9 3.3	19.3
170077 2002 WM_{3}	15.6	X	144.68015	342.42215	50.26388	5.79718	0.1317499	0.17718712	3.1394094	21	3 11.2	20.4
170078 2002 WE_{4}	15.7	X	68.51661	302.37346	66.84799	8.44324	0.0989812	0.21476292	2.7616153	21	—	—
170079 2002 WB_{7}	15.8	X	26.24217	139.28078	280.87973	4.43129	0.0187692	0.21541143	2.7560699	21	—	—
170080 2002 WQ_{8}	14.9	X	116.46772	73.78742	78.05685	11.53983	0.0549245	0.18761533	3.0219725	21	6 22.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170081 2002 WL_9	15.5	X	196.99134	302.20322	60.73064	1.53380	0.1066375	0.18108593	3.0941848	21	3 22.7	20.3
170082 2002 WK_{12}	15.1	X	122.48050	341.26540	126.94212	16.81346	0.1689982	0.18113728	3.0936000	21	5 24.3	20.2
170083 2002 WF_{16}	15.2	X	194.46074	311.81876	136.57792	10.62796	0.1042236	0.18957765	3.0010827	21	7 1.6	20.0
170084 2002 WZ_{16}	15.1	X	217.02505	275.85677	205.43487	12.33468	0.1475729	0.19550956	2.9400681	21	8 28.4	19.9
170085 2002 XU_1	15.4	X	118.17300	43.65198	85.08088	10.13896	0.0957260	0.18440373	3.0569588	21	6 1.6	19.9
170086 2002 XR_{14}	17.9	X	340.36734	120.09496	75.66896	2.12985	0.6251840	0.37461076	1.9058229	21	—	—
170087 2002 XD_{15}	15.3	X	354.18237	185.52816	292.51218	12.53889	0.2435377	0.21907620	2.7252473	21	—	—
170088 2002 XV_{17}	16.1	X	204.79200	39.56959	20.84663	0.35208	0.0975976	0.18782137	3.0197620	21	6 7.5	20.6
170089 2002 XR_{35}	15.6	X	328.64681	202.55293	255.81311	7.30385	0.1149881	0.21091644	2.7950898	21	—	—
170090 2002 XK_{41}	15.6	X	0.69721	216.47160	86.56728	3.07283	0.0405175	0.19286328	2.9669007	21	8 2.8	19.5
170091 2002 XK_{45}	15.6	X	299.18969	307.40786	76.61420	3.18763	0.1055348	0.19653380	2.9298443	21	8 14.6	19.2
170092 2002 XE_{54}	16.4	X	78.01710	291.21232	141.54128	2.23491	0.1237276	0.22388168	2.6861093	21	1 25.4	19.6
170093 2002 XJ_{56}	14.8	X	311.38772	0.58168	29.15575	18.87995	0.2625611	0.19751331	2.9201499	21	8 29.7	18.3
170094 2002 XQ_{56}	15.7	X	155.12312	47.42103	30.86669	1.70720	0.1332067	0.18391734	3.0623460	21	5 11.7	20.5
170095 2002 XH_{57}	14.9	X	124.25178	63.93335	60.72163	25.05637	0.1502008	0.17895737	3.1186717	21	6 5.8	19.7
170096 2002 XV_{57}	15.0	X	127.58125	3.92099	89.29543	5.66006	0.1734185	0.17887447	3.1196352	21	5 8.3	19.8
170097 2002 XV_{59}	15.0	X	101.83454	188.41021	341.13138	9.47716	0.0441363	0.18751341	3.0230674	21	6 27.2	19.4
170098 2002 XH_{62}	14.6	X	49.22835	98.74583	83.78848	16.26989	0.1925975	0.17758548	3.1347127	21	5 25.4	18.4
170099 2002 XV_{62}	15.0	X	182.63350	62.77944	52.19141	10.55720	0.0412107	0.19090316	2.9871748	21	7 26.2	19.5
170100 2002 XP_{67}	14.9	X	102.50335	316.69427	243.54369	9.00883	0.0272371	0.19151925	2.9807651	21	7 31.6	19.3
170101 2002 XM_{70}	15.0	X	170.77992	327.25058	70.94069	12.37207	0.0823731	0.17920509	3.1157970	21	4 12.1	19.9
170102 2002 XM_{74}	15.0	X	153.43904	209.86371	282.37387	8.54737	0.0462057	0.18884903	3.0087969	21	7 11.2	19.4
170103 2002 XT_{74}	14.4	X	86.51159	236.70480	271.41505	15.49657	0.1213760	0.18019522	3.1043728	21	5 20.7	18.8
170104 2002 XR_{75}	14.7	X	94.07215	28.21678	76.75498	16.30176	0.0958487	0.17515987	3.1635860	21	4 12.2	19.4
170105 2002 XA_{85}	15.4	X	113.28315	158.24711	313.66602	3.53163	0.1336560	0.18034695	3.1026314	21	5 8.8	20.0
170106 2002 XW_{87}	14.9	X	169.49089	85.70326	337.02826	10.13598	0.1283821	0.18398377	3.0616089	21	5 2.5	20.0
170107 2002 XJ_{88}	15.5	X	135.75538	78.48838	24.71121	11.81765	0.1239182	0.18036405	3.1024353	21	5 19.8	20.3
170108 2002 XW_{89}	15.1	X	109.17677	201.74642	225.44038	16.71569	0.2218549	0.17478053	3.1681618	21	3 18.9	20.0
170109 2002 XX_{92}	14.8	X	151.92208	195.35619	269.03353	4.56336	0.1701035	0.18464994	3.0542407	21	6 11.8	19.8
170110 2002 XH_{95}	15.9	X	198.56491	313.29499	79.17465	1.34508	0.1843117	0.18592805	3.0402277	21	4 27.2	20.8
170111 2002 XH_{101}	15.5	X	142.14350	41.83116	77.25120	13.21767	0.1079595	0.18541380	3.0458465	21	6 16.0	20.0
170112 2002 XK_{102}	15.4	X	161.95755	183.07621	249.03542	7.68180	0.0476175	0.18268970	3.0760497	21	5 5.3	20.0
170113 2002 XV_{103}	15.1	X	212.26762	328.77966	80.27024	10.78107	0.1029355	0.18608981	3.0384656	21	6 1.4	19.8
170114 2002 XN_{104}	15.4	X	197.43579	303.20651	81.17884	10.74688	0.1454284	0.18314114	3.0709926	21	4 21.1	20.5
170115 2002 XV_{105}	15.3	X	241.25063	81.40071	282.33337	9.41284	0.1443076	0.18849959	3.0125142	21	4 29.3	20.1
170116 2002 XA_{110}	15.4	X	189.78435	197.85432	267.10826	9.25939	0.0682322	0.19139794	2.9820246	21	7 17.1	19.9
170117 2002 YD_{13}	14.9	X	166.00580	194.79693	245.43671	8.02251	0.0561578	0.18353539	3.0665933	21	5 21.3	19.4
170118 2002 YW_{15}	17.1	X	346.88029	74.03471	323.64708	18.25309	0.1044873	0.36163251	1.9511519	21	—	—
170119 2002 YY_{16}	15.0	X	192.61153	308.41366	77.85916	12.12219	0.0963658	0.18173087	3.0868599	21	4 19.7	19.9
170120 2002 YR_{18}	15.2	X	188.65436	318.05911	95.76536	6.16805	0.2443872	0.18478688	3.0527317	21	5 15.5	20.6
170121 2002 YE_{23}	15.3	X	148.86507	151.62952	278.81947	9.20866	0.1239421	0.17848030	3.1242266	21	4 22.5	20.3
170122 2002 YU_{26}	14.4	X	52.31657	208.69335	287.93812	20.31928	0.0967033	0.17118779	3.2123352	21	3 5.8	19.0
170123 2002 YV_{32}	15.0	X	115.18806	49.13638	65.25201	9.80632	0.1504781	0.18109166	3.0941194	21	5 17.8	19.5
170124 2003 AE_4	16.9	X	66.24843	293.14994	142.25094	23.67246	0.0811786	0.38095018	1.8846206	21	—	—
170125 2003 AL_4	14.8	X	39.39866	96.13073	98.62266	14.48825	0.0782559	0.17752698	3.1354013	21	5 14.6	19.1
170126 2003 AT_9	15.6	X	200.32878	120.88157	306.92578	0.94060	0.1446324	0.18803761	3.0174464	21	6 10.6	20.5
170127 2003 AZ_{12}	14.3	X	97.80407	359.99885	119.97642	28.74641	0.1247583	0.17607644	3.1525977	21	5 13.3	19.4
170128 2003 AN_{17}	14.9	X	161.51928	109.06630	332.81328	13.07835	0.1264939	0.18233300	3.0800601	21	5 18.3	20.0
170129 2003 AF_{19}	15.7	X	158.87698	357.89171	104.22403	6.64970	0.1300167	0.18121153	3.0927548	21	6 14.0	20.7
170130 2003 AH_{19}	15.1	X	299.58648	105.69525	68.94052	24.94786	0.2081278	0.21499562	2.7596223	21	—	—
170131 2003 AC_{26}	15.3	X	113.15507	166.82194	296.01678	9.40649	0.1213689	0.17617713	3.1513963	21	4 23.4	20.1
170132 2003 AK_{27}	14.7	X	156.52331	283.61689	111.80489	16.44151	0.1562011	0.17444431	3.1722313	21	4 1.4	20.0
170133 2003 AB_{36}	15.1	X	214.57654	278.03279	109.06163	12.35487	0.1666937	0.18565953	3.0431583	21	5 9.1	20.2
170134 2003 AZ_{42}	14.7	X	169.75514	90.50852	297.29265	11.46049	0.0250692	0.17535396	3.1612511	21	3 15.1	19.5
170135 2003 AH_{56}	15.4	X	169.35783	231.20571	221.27598	7.30892	0.1694248	0.18247725	3.0784367	21	6 13.0	20.5
170136 2003 AV_{62}	15.6	X	71.29976	196.01121	325.36433	0.45587	0.1330596	0.17670164	3.1451570	21	5 20.1	19.7
170137 2003 AP_{65}	14.9	X	109.83544	39.71962	73.71884	17.06962	0.1129564	0.17623073	3.1507574	21	5 9.7	19.6
170138 2003 AC_{67}	15.1	X	179.46051	46.87216	70.00771	10.87067	0.1916420	0.18262721	3.0767513	21	7 22.9	20.4
170139 2003 AM_{70}	14.7	X	185.07442	292.56331	91.19989	27.42632	0.1973811	0.17729018	3.1381926	21	4 20.8	20.5
170140 2003 AQ_{71}	16.1	X	136.13782	22.05821	285.50088	19.64921	0.0553947	0.36799155	1.9286088	21	—	—
170141 2003 AQ_{76}	15.3	X	117.96483	52.24065	54.98398	12.29296	0.2846763	0.17669518	3.1452337	21	5 24.8	20.5
170142 2003 AH_{79}	15.0	X	191.81331	14.55218	60.44082	18.72258	0.1932582	0.18255558	3.0775560	21	6 9.3	20.2
170143 2003 AD_{81}	15.5	X	165.60882	44.26162	6.38016	16.56775	0.2887977	0.18027907	3.1034102	21	4 20.6	21.2
170144 2003 AN_{81}	15.0	X	107.08340	55.25539	55.96242	16.85028	0.0561120	0.17587277	3.1550311	21	4 25.9	19.6
170145 2003 BF_1	15.8	X	23.39573	270.23660	144.20485	5.02635	0.2423419	0.21129189	2.7917777	21	—	—
170146 2003 BX_{18}	16.4	X	126.86546	156.45469	306.52947	23.11379	0.1059950	0.38951613	1.8568882	21	4 5.6	19.1
170147 2003 BA_{29}	15.1	X	147.14927	323.40727	117.96796	12.66404	0.1328010	0.18074465	3.0980785	21	5 12.5	20.1
170148 2003 BZ_{48}	14.8	X	228.40497	67.09415	323.14925	15.46706	0.2416657	0.18175451	3.0865922	21	5 11.4	20.4
170149 2003 BB_{49}	15.2	X	201.26900	99.94153	136.84772	9.16633	0.2177554	0.20118750	2.8844879	21	12 27.5	20.0
170150 2003 BW_{88}	15.1	X	270.77302	69.86519	301.48905	7.76428	0.0959311	0.18384819	3.0631139	21	6 20.1	19.5
170151 2003 CE_1	16.5	X	15.89297	240.76457	142.21004	24.52767	0.1254622	0.36011223	1.9566394	21	—	—
170152 2003 CU_{14}	15.2	X	127.42680	287.64163	166.45541	7.45338	0.1188224	0.17418259	3.1754082	21	5 4.4	20.0
170153 2003 CY_{14}	15.6	X	141.01963	136.25447	70.75538	3.69187	0.1595282	0.18994433	2.9972191	21	10 6.0	20.4
170154 2003 DT_6	15.7	X	315.88666	148.03024	289.90357	8.99071	0.0200155	0.19951634	2.9005726	21	11 22.5	19.7
170155 2003 DU_{17}	16.8	X	353.02042	307.06550	154.40754	23.19342	0.0854489	0.36639575	1.9342047	21	—	—
170156 2003 EC_1	16.4	X	334.42893	48.80027	346.41136	18.58905	0.1164123	0.35392895	1.9793624	21	11 24.5	18.4
170157 2003 EV_7	15.2	X	326.88805	105.93858	297.11431	8.09213	0.0125547	0.19330919	2.9623365	21	10 20.9	19.5
170158 2003 EJ_9	15.3	X	161.74125	226.78417	318.02120	9.33645	0.0527405	0.18852560	3.0122372	21	9 21.6	19.9
170159 2003 EG_{18}	15.4	X	50.06500	126.19160	121.74500	2.51375	0.1068905	0.18038868	3.1021528	21	8 7.8	19.4
170160 2003 EM_{40}	16.3	X	215.57301	149.37786	46.95966	22.57451	0.0466308	0.35728700	1.9669406	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170161 2003 EX_{59}	16.2	X	287.19632	100.52847	58.74286	22.15936	0.0747721	0.36193569	1.9500621	21	—	—
170162 Nicolashayek	15.4	X	46.98304	246.22637	9.85074	1.67504	0.1027504	0.17823495	3.1270931	21	8 13.7	19.5
170163 2003 FE_{31}	14.8	X	303.51245	102.56295	43.33824	10.49304	0.0145037	0.15017639	3.5053787	21	—	—
170164 2003 FS_{41}	14.8	X	58.27816	116.75419	67.50308	6.78734	0.0714793	0.17063019	3.2193298	21	5 23.4	19.1
170165 2003 FN_{44}	16.9	X	49.62374	316.09353	347.41280	7.30482	0.1601764	0.29197099	2.2503129	21	11 8.7	19.8
170166 2003 FC_{55}	16.2	X	126.50539	168.58921	130.11455	9.21597	0.2390673	0.29916681	2.2140824	21	—	—
170167 2003 FN_{78}	15.1	X	23.69422	272.99574	27.92662	8.03101	0.0591178	0.18065284	3.0991280	21	9 5.4	19.2
170168 2003 FF_{86}	15.6	X	118.99872	201.90564	308.97929	3.98789	0.1165616	0.17531157	3.1617607	21	7 2.5	20.4
170169 2003 FG_{106}	15.0	X	15.96070	267.06276	38.75558	9.67659	0.0880827	0.17963122	3.1108674	21	9 4.3	19.1
170170 2003 FY_{130}	17.0	X	148.69842	312.79232	337.61450	3.38836	0.2135626	0.30187103	2.2008398	21	—	—
170171 2003 GZ_{16}	15.2	X	148.42063	38.73466	128.99646	12.13992	0.2147945	0.18090406	3.0962583	21	8 28.1	20.5
170172 2003 HV_{7}	16.6	X	185.17387	287.29281	29.85476	1.27639	0.2515238	0.30938955	2.1650385	21	1 5.3	20.0
170173 2003 HF_{38}	16.4	X	137.41395	30.60558	248.21493	3.26411	0.1718474	0.29858369	2.2169641	21	—	—
170174 2003 KF_{5}	17.3	X	155.17581	80.93979	232.79093	3.84528	0.1867291	0.30560857	2.1828591	21	—	—
170175 2003 KE_{9}	16.6	X	147.23147	155.12512	114.34918	7.20352	0.1788443	0.29861023	2.2168327	21	—	—
170176 2003 MU_{1}	16.7	X	61.58601	213.50954	70.23766	3.41264	0.3025273	0.28245278	2.3005878	21	11 16.7	20.0
170177 2003 MX_{1}	16.3	X	28.25447	182.43051	127.28062	5.62009	0.2422982	0.27835684	2.3231011	21	11 3.6	18.8
170178 2003 MR_{2}	16.7	X	10.32580	350.03403	311.00841	2.87034	0.2905733	0.27548412	2.3392232	21	9 18.1	18.0
170179 2003 MR_{3}	16.3	X	40.81074	4.51349	297.92778	5.28470	0.1900376	0.28143342	2.3061397	21	10 29.7	19.1
170180 2003 MP_{5}	15.8	X	272.48342	46.93895	250.44276	8.36794	0.2101699	0.26054283	2.4278208	21	2 23.2	19.8
170181 2003 MS_{6}	16.6	X	45.36794	91.50041	241.13759	5.00869	0.2101708	0.28285495	2.2984066	21	12 20.7	19.7
170182 2003 MR_{8}	16.6	X	10.31935	79.08169	247.34944	5.50854	0.1332278	0.27870563	2.3211626	21	10 3.8	18.8
170183 2003 MB_{11}	17.3	X	28.44539	114.80646	202.02768	3.43034	0.2149479	0.28089625	2.3090788	21	11 7.8	19.7
170184 2003 MV_{11}	16.3	X	12.42837	170.65395	128.40034	6.23591	0.2361059	0.27407433	2.3472381	21	9 14.1	18.0
170185 2003 NY_{3}	16.7	X	30.34777	346.61052	295.93330	5.86309	0.1179120	0.27561571	2.3384786	21	8 31.1	19.2
170186 2003 NS_{6}	16.6	X	73.10141	232.81415	47.91645	5.91545	0.1662037	0.28439966	2.2900765	21	11 9.1	19.7
170187 2003 NF_{10}	17.2	X	27.86966	94.25183	223.13056	4.53017	0.1099359	0.27989186	2.3145996	21	10 19.5	19.7
170188 2003 OE_{2}	17.0	X	38.25346	225.62208	99.55612	2.49076	0.1985591	0.28288305	2.2982544	21	11 30.9	19.8
170189 2003 OF_{4}	16.5	X	293.43493	133.15455	245.68621	2.45746	0.1913977	0.27241434	2.3567639	21	7 16.1	18.9
170190 2003 OU_{4}	16.2	X	344.08058	332.76285	319.96065	5.77505	0.1254885	0.26998260	2.3708943	21	6 17.4	18.4
170191 2003 OY_{4}	16.4	X	324.46019	217.58733	146.24871	2.44205	0.2290288	0.27429177	2.3459974	21	8 20.6	17.9
170192 2003 OH_{5}	16.6	X	137.20080	344.18089	301.80993	2.95976	0.1446941	0.29258982	2.2471388	21	—	—
170193 2003 OA_{6}	16.3	X	356.08398	36.52894	274.84999	4.35322	0.2188303	0.27433306	2.3457620	21	8 14.6	17.6
170194 2003 OL_{7}	16.2	X	175.24135	78.03758	216.18040	5.74246	0.2134369	0.24531648	2.5272695	21	—	—
170195 2003 OP_{7}	16.8	X	66.85374	93.32405	190.26528	5.25004	0.1730836	0.28237199	2.3010266	21	11 7.3	19.8
170196 2003 OM_{8}	16.6	X	0.86600	334.08156	7.98485	3.01541	0.1793216	0.27881594	2.3205503	21	10 17.9	18.4
170197 2003 OW_{9}	16.9	X	332.59862	105.98034	192.42758	4.39100	0.1409372	0.26965050	2.3728406	21	6 2.1	19.2
170198 2003 OD_{10}	16.1	X	273.04747	41.58084	301.69925	6.84496	0.1438438	0.26507647	2.4000591	21	5 2.8	19.6
170199 2003 OV_{16}	17.1	X	60.91810	115.62195	188.07669	3.70697	0.1717514	0.28361063	2.2943220	21	11 26.6	20.1
170200 2003 OP_{19}	16.5	X	134.14894	110.75988	212.59805	6.21517	0.2325390	0.24089900	2.5580717	21	—	—
170201 2003 OR_{19}	16.6	X	7.18740	82.24303	188.20591	8.43708	0.1412527	0.27040230	2.3684404	21	6 29.4	18.8
170202 2003 OX_{22}	15.9	X	358.81493	37.00104	359.93038	13.46629	0.2339388	0.27906398	2.3191750	21	—	—
170203 2003 OX_{23}	17.3	X	247.39753	151.25995	199.88643	5.95333	0.1615530	0.26276333	2.4141239	21	4 16.1	20.7
170204 2003 OR_{26}	17.4	X	32.68938	144.29677	175.05679	2.21996	0.1698517	0.28071237	2.3100870	21	11 10.3	20.0
170205 2003 OD_{31}	16.2	X	36.69895	359.18776	318.58899	6.65479	0.1298023	0.27812342	2.3244007	21	11 3.1	19.0
170206 2003 PP_{5}	16.9	X	274.22543	159.73709	188.47870	5.41914	0.2174286	0.26469521	2.4023632	21	5 5.3	20.4
170207 2003 PV_{5}	16.9	X	310.21870	136.04382	184.49694	5.15942	0.2435641	0.26733870	2.3865003	21	5 9.4	19.5
170208 2003 PF_{8}	16.9	X	33.21137	144.35439	169.99479	6.66119	0.1299437	0.27871684	2.3211003	21	10 29.3	19.5
170209 2003 PN_{8}	16.6	X	295.10250	198.36038	166.10830	4.86119	0.2947995	0.26939887	2.3743179	21	6 10.1	19.5
170210 2003 PU_{8}	16.6	X	72.24135	334.61921	287.17472	3.19338	0.2291406	0.28086156	2.3092689	21	10 19.8	19.9
170211 2003 PW_{8}	16.9	X	346.79116	10.92231	322.35323	4.12466	0.1445535	0.27494613	2.3422737	21	8 28.8	18.7
170212 2003 QS	16.9	X	217.00485	130.59628	223.50719	3.77830	0.1621106	0.25669476	2.4520240	21	3 20.9	20.8
170213 2003 QX_{3}	16.9	X	281.67505	54.83301	313.77707	0.45297	0.2003004	0.26815537	2.3816524	21	6 12.5	20.0
170214 2003 QU_{4}	16.4	X	77.66202	24.29870	253.73858	6.36446	0.1719883	0.28167638	2.3048133	21	11 9.9	19.7
170215 2003 QV_{5}	16.8	X	3.11626	249.37459	27.34224	5.68353	0.2509835	0.27094472	2.3652784	21	7 4.2	18.1
170216 2003 QN_{6}	16.7	X	299.04612	20.90963	358.69189	0.40625	0.1758662	0.27084540	2.3658566	21	7 30.5	19.1
170217 2003 QK_{7}	17.2	X	299.22857	15.85713	340.65947	1.10076	0.1961283	0.26916440	2.3756966	21	6 21.5	19.8
170218 2003 QT_{7}	17.4	X	279.01945	234.72352	148.38810	2.86385	0.2014325	0.26858169	2.3791315	21	6 29.3	20.4
170219 2003 QG_{8}	16.3	X	14.74298	158.91084	194.21108	6.42636	0.1365349	0.27980610	2.3150725	21	11 25.1	18.7
170220 2003 QM_{11}	16.5	X	318.88030	308.49509	354.15245	7.12759	0.1909782	0.26709702	2.3879397	21	5 2.2	19.2
170221 2003 QC_{13}	16.1	X	312.32034	222.39176	98.90545	3.69827	0.2037503	0.26636468	2.3923146	21	5 20.7	18.6
170222 2003 QM_{13}	16.1	X	8.87958	267.46144	6.01295	12.12075	0.2465236	0.26994186	2.3711329	21	7 21.9	17.8
170223 2003 QB_{16}	16.7	X	311.05953	136.16170	218.95857	4.44713	0.2054593	0.26998284	2.3708929	21	7 8.0	18.9
170224 2003 QD_{16}	17.0	X	211.94766	51.41529	273.17168	4.71131	0.0337269	0.30604183	2.1807984	21	1 28.5	19.6
170225 2003 QY_{16}	16.9	X	328.86680	350.03896	334.91719	0.87961	0.2687826	0.27038072	2.3685664	21	6 15.6	18.3
170226 2003 QF_{18}	16.8	X	254.35748	0.16993	20.00936	3.04497	0.2012252	0.26453508	2.4033326	21	5 26.7	20.3
170227 2003 QL_{18}	16.7	X	221.14058	201.62840	168.64148	1.38196	0.1949963	0.25852203	2.4404562	21	4 14.4	20.7
170228 2003 QG_{19}	16.9	X	322.11809	195.09994	119.02438	3.44554	0.1929438	0.26757553	2.3850919	21	5 29.2	19.1
170229 2003 QC_{20}	16.1	X	323.93195	238.22654	138.74562	7.50864	0.1353382	0.27410968	2.3470363	21	9 23.4	18.2
170230 2003 QK_{20}	17.0	X	263.03803	253.81343	109.52290	2.37904	0.2007916	0.26329217	2.4108901	21	5 14.9	20.6
170231 2003 QB_{22}	17.0	X	67.39540	55.45677	220.95198	3.03203	0.2439883	0.28145688	2.3060115	21	11 6.1	20.2
170232 2003 QG_{22}	16.6	X	294.04819	147.55831	215.30908	5.47608	0.1398593	0.26852376	2.3794736	21	7 1.9	19.4
170233 2003 QP_{22}	16.8	X	33.34609	73.88114	228.01529	2.18491	0.1804548	0.27694865	2.3309693	21	10 17.2	19.2
170234 2003 QG_{23}	16.4	X	230.11989	212.29626	186.05298	6.23910	0.1257212	0.26275407	2.4141805	21	6 2.7	20.0
170235 2003 QW_{23}	16.9	X	289.54035	124.49362	227.01278	1.78405	0.1921083	0.26761597	2.3848516	21	5 31.3	19.8
170236 2003 QP_{24}	16.4	X	352.10893	116.76768	183.94802	4.59433	0.1546284	0.27046449	2.3680773	21	7 15.7	18.3
170237 2003 QF_{26}	16.1	X	1.25132	326.73652	317.23746	11.57666	0.1245493	0.27018616	2.3697034	21	7 11.6	18.3
170238 2003 QS_{27}	16.9	X	311.88132	110.18464	201.45303	1.97601	0.1999543	0.26596790	2.3946933	21	5 5.8	19.7
170239 2003 QN_{32}	16.9	X	249.82692	342.06229	337.35606	0.57245	0.1863879	0.25732122	2.4480427	21	3 7.9	20.6
170240 2003 QH_{33}	17.0	X	336.61499	86.64550	254.90652	0.63722	0.2123754	0.27410655	2.3470542	21	8 15.4	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170241 2003 QM_{34}	16.8	X	327.47807	76.74231	332.12068	6.75653	0.0993515	0.28144521	2.3060752	21	11 15.8	19.1
170242 2003 QL_{35}	16.9	X	242.78041	30.43326	2.62782	1.09696	0.1878230	0.26486800	2.4013183	21	6 2.6	20.6
170243 2003 QG_{36}	16.4	X	334.09368	30.05026	332.64627	6.50325	0.1290311	0.27417924	2.3466393	21	9 17.2	18.4
170244 2003 QO_{36}	17.0	X	223.35274	254.89364	141.91006	2.16446	0.1935723	0.26214391	2.4179252	21	5 20.2	20.8
170245 2003 QF_{38}	16.9	X	346.64943	148.69757	152.19715	3.40198	0.1868682	0.27068054	2.3668171	21	7 1.6	18.6
170246 2003 QN_{41}	16.3	X	287.00627	220.95703	145.81166	2.93881	0.2110486	0.26690691	2.3890735	21	6 15.7	19.1
170247 2003 QN_{43}	16.9	X	293.74899	154.77398	163.82286	2.09246	0.2235604	0.26371488	2.4083131	21	4 16.9	19.9
170248 2003 QP_{43}	16.6	X	296.51038	293.29580	142.71103	3.21573	0.1466613	0.27763511	2.3271254	21	10 29.0	18.7
170249 2003 QH_{45}	17.2	X	303.24543	234.09269	90.40943	4.07680	0.1952006	0.26624837	2.3930113	21	5 12.8	20.0
170250 2003 QP_{46}	16.1	X	83.03853	345.97965	23.11222	7.06716	0.3032602	0.23347385	2.6120243	21	—	—
170251 2003 QQ_{48}	16.7	X	279.00722	55.93293	349.95626	1.77619	0.1775962	0.27133239	2.3630248	21	8 6.1	19.3
170252 2003 QS_{50}	17.3	X	9.38035	207.74386	114.41765	2.30112	0.1992420	0.27498085	2.3420765	21	10 8.5	19.1
170253 2003 QZ_{50}	16.8	X	140.84417	315.52773	63.78887	3.96891	0.1991493	0.24542435	2.5265290	21	2 16.3	20.5
170254 2003 QV_{53}	16.8	X	292.19016	278.84180	76.24980	2.43552	0.2059934	0.26745116	2.3858312	21	6 6.8	19.5
170255 2003 QY_{54}	16.7	X	343.82726	203.71520	107.03137	3.16852	0.2189080	0.27079071	2.3661751	21	7 9.2	18.0
170256 2003 QZ_{54}	16.8	X	302.92835	221.38325	106.61475	3.60441	0.1874412	0.26620285	2.3932840	21	5 18.6	19.5
170257 2003 QA_{55}	16.5	X	12.73009	229.12339	91.06544	3.15457	0.1136439	0.27552127	2.3390130	21	9 30.4	18.8
170258 2003 QH_{55}	16.6	X	316.78010	239.13099	123.76203	6.11214	0.1591404	0.27190266	2.3597197	21	8 11.0	18.7
170259 2003 QJ_{56}	16.4	X	9.73821	276.15461	25.21762	5.16332	0.2370570	0.27361156	2.3498840	21	9 11.2	18.0
170260 2003 QU_{56}	16.6	X	291.41428	267.07910	52.62998	4.70382	0.2031501	0.26317873	2.4115828	21	4 19.0	19.7
170261 2003 QW_{56}	16.6	X	324.87522	237.40883	88.67162	3.98840	0.1647578	0.26868722	2.3785085	21	6 26.9	18.6
170262 2003 QX_{57}	16.0	X	273.73940	76.34727	272.26439	6.20185	0.1664127	0.26419239	2.4054104	21	5 9.4	19.3
170263 2003 QJ_{59}	17.0	X	51.74935	249.46982	60.03981	3.31221	0.1809113	0.28009749	2.3134666	21	11 23.4	19.8
170264 2003 QW_{65}	16.2	X	320.26973	141.54514	215.10961	7.89285	0.2182550	0.27102619	2.3648043	21	7 26.1	18.3
170265 2003 QH_{66}	16.8	X	10.40497	350.12409	308.39341	1.64674	0.2195926	0.27379370	2.3488417	21	9 1.9	18.5
170266 2003 QR_{72}	16.6	X	28.46963	64.21608	225.10504	6.71498	0.1181111	0.27435886	2.3456150	21	9 6.4	19.1
170267 2003 QM_{73}	16.7	X	304.78162	139.48803	174.39924	5.15749	0.2484357	0.26557621	2.3970473	21	4 21.4	19.6
170268 2003 QY_{73}	16.6	X	337.43636	359.94855	292.84039	7.64415	0.1794958	0.26864552	2.3787546	21	5 26.5	18.7
170269 2003 QC_{75}	16.4	X	30.35318	344.59735	312.74473	6.85255	0.1189225	0.27549850	2.3391419	21	9 21.8	19.0
170270 2003 QG_{77}	16.9	X	18.56266	94.33956	207.51444	4.53329	0.2745005	0.27455167	2.3445167	21	10 7.0	18.7
170271 2003 QL_{78}	16.6	X	272.99042	33.55473	325.49174	5.19774	0.2415702	0.26298816	2.4127477	21	5 12.5	20.3
170272 2003 QC_{84}	17.1	X	269.85261	76.81769	316.12447	1.97314	0.1827349	0.26903468	2.3764602	21	7 4.3	20.3
170273 2003 QO_{84}	17.1	X	226.37505	0.48202	24.65829	1.10482	0.1876746	0.26135971	2.4227594	21	5 7.5	20.8
170274 2003 QO_{85}	16.7	X	269.92604	123.01586	206.61273	6.22598	0.1295137	0.26006826	2.4307734	21	4 15.7	20.2
170275 2003 QD_{89}	17.2	X	2.09293	192.78536	109.31727	2.27546	0.1840058	0.27237471	2.3569925	21	8 14.7	18.7
170276 2003 QH_{92}	16.8	X	304.25078	113.09023	237.50691	1.88429	0.2502604	0.26786829	2.3833538	21	6 11.0	19.4
170277 2003 QW_{92}	16.5	X	261.17029	346.91290	62.03790	6.22094	0.2243021	0.26786639	2.3833651	21	7 10.5	19.9
170278 2003 QD_{99}	16.5	X	12.44012	218.68502	79.03668	6.25264	0.2234078	0.27462290	2.3441112	21	9 11.6	18.3
170279 2003 QE_{99}	16.9	X	88.40689	230.62350	40.68029	5.93755	0.1557045	0.28270928	2.2991961	21	11 11.5	20.3
170280 2003 QY_{104}	15.8	X	238.09023	352.69546	64.82137	13.28064	0.1744991	0.26285805	2.4135439	21	7 1.6	19.5
170281 2003 QY_{105}	16.8	X	314.12200	171.33986	173.25974	2.27212	0.2444391	0.26853697	2.3793956	21	6 20.6	19.0
170282 2003 QY_{106}	15.5	X	42.71343	111.54801	187.86418	6.65697	0.0209281	0.21816219	2.7328538	21	9 25.0	19.0
170283 2003 QR_{109}	16.5	X	322.79903	340.47068	18.72818	6.91805	0.0962738	0.27365446	2.3496384	21	8 27.4	18.8
170284 2003 QC_{114}	17.2	X	191.42083	10.48808	13.87644	2.71707	0.1882265	0.25437385	2.4669163	21	4 6.2	21.0
170285 2003 QO_{114}	16.9	X	314.94052	294.15939	71.86686	3.48914	0.2129289	0.27130624	2.3631767	21	8 4.2	18.7
170286 2003 RT_{6}	16.3	X	292.22078	64.99207	290.90934	5.63805	0.1249529	0.26570915	2.3962477	21	6 22.2	19.1
170287 2003 RA_{12}	16.8	X	11.81122	123.63070	191.60766	6.11440	0.2517972	0.27640227	2.3340401	21	10 10.9	18.5
170288 2003 RD_{13}	17.0	X	287.15090	208.39236	188.56003	0.95323	0.1837636	0.27043174	2.3682685	21	8 3.7	19.7
170289 2003 RV_{14}	16.1	X	322.17563	275.55008	68.58445	3.03819	0.2017820	0.27037958	2.3685731	21	7 15.7	17.9
170290 2003 RE_{16}	17.6	X	270.78443	359.56291	34.55914	1.66615	0.1936720	0.26785778	2.3834161	21	7 5.6	20.5
170291 2003 RL_{16}	16.7	X	266.62826	119.09648	208.01382	7.13068	0.1452791	0.25986991	2.4320102	21	4 6.2	20.0
170292 2003 RX_{19}	17.1	X	260.77719	145.33177	172.12464	1.60191	0.1538235	0.25773607	2.4454151	21	3 18.5	20.5
170293 2003 RM_{20}	16.8	X	328.15856	159.76027	139.19882	2.76149	0.2116894	0.26607559	2.3940471	21	5 14.1	19.1
170294 2003 RQ_{20}	16.6	X	283.58750	242.97784	124.95300	3.09803	0.2201127	0.26649671	2.3915244	21	6 11.3	19.7
170295 2003 SW	17.2	X	217.50030	117.53796	301.58449	0.95528	0.2052623	0.26228860	2.4170359	21	6 11.4	21.1
170296 2003 SS_{7}	16.7	X	32.25785	49.16534	221.28490	6.34953	0.1721090	0.27165329	2.3611636	21	8 23.7	19.2
170297 2003 SL_{11}	16.6	X	227.15963	82.89860	329.05832	4.08645	0.1786987	0.26322464	2.4113025	21	6 12.6	20.4
170298 2003 SM_{11}	16.8	X	203.93878	153.31214	282.63701	1.81401	0.1663318	0.26289393	2.4133242	21	6 22.5	20.6
170299 2003 SH_{12}	16.7	X	319.06683	179.44552	154.65859	6.88981	0.1691027	0.26856451	2.3792330	21	6 27.4	19.0
170300 2003 SA_{14}	16.9	X	273.25385	125.50820	280.32403	0.63926	0.1782687	0.26898461	2.3767550	21	7 27.8	19.7
170301 2003 ST_{14}	17.2	X	14.61243	146.98925	161.22887	2.51741	0.2133655	0.27429304	2.3459902	21	9 28.7	19.0
170302 2003 SW_{14}	16.8	X	4.77954	253.20589	25.99527	2.53569	0.1777499	0.26896222	2.3768870	21	7 11.4	18.5
170303 2003 SU_{17}	17.3	X	297.59194	15.12203	312.47848	1.58604	0.1809545	0.26431344	2.4046759	21	5 9.8	20.2
170304 2003 SQ_{22}	16.3	X	355.92096	86.48762	343.23111	1.60203	0.1937664	0.22698791	2.6615476	21	—	—
170305 2003 SP_{26}	16.5	X	101.16385	165.23640	160.21675	3.68388	0.2846264	0.23442782	2.6049333	21	—	—
170306 Augusztátka	16.2	X	244.57103	344.70616	40.09409	7.01949	0.1414821	0.26110898	2.4243101	21	5 28.3	19.7
170307 2003 SN_{33}	17.1	X	11.48090	250.93569	51.37154	2.85632	0.2024565	0.27262809	2.3555319	21	9 10.8	18.9
170308 2003 SW_{35}	16.5	X	291.85284	223.21294	90.58420	4.90820	0.1870688	0.26114045	2.4241153	21	4 15.5	19.8
170309 2003 SS_{36}	16.0	X	273.61419	337.01040	4.71181	6.05835	0.1430555	0.26066081	2.4270882	21	5 2.8	19.4
170310 2003 SM_{38}	15.4	X	331.22167	67.83651	286.46600	7.81304	0.0089103	0.21484841	2.7608827	21	8 27.4	19.2
170311 2003 SJ_{40}	16.3	X	347.10665	119.58304	223.32102	5.93471	0.1718751	0.27234249	2.3571784	21	9 12.6	18.3
170312 2003 SD_{43}	16.4	X	354.79270	86.33234	221.22849	5.61489	0.1564483	0.27164163	2.3612311	21	8 1.5	18.5
170313 2003 SU_{43}	16.8	X	238.18636	170.44196	210.18685	2.79369	0.2475605	0.26157252	2.4214452	21	5 9.2	20.7
170314 2003 SG_{44}	16.7	X	273.05724	158.73178	208.72462	7.12010	0.2108550	0.26460476	2.4029106	21	5 30.3	20.0
170315 2003 SS_{46}	16.8	X	262.79386	42.41844	337.39047	2.55997	0.1508748	0.26434412	2.4044899	21	6 11.2	20.1
170316 2003 SU_{49}	16.8	X	304.91920	60.13714	254.57560	1.28356	0.2384563	0.26367027	2.4085848	21	4 22.7	19.8
170317 2003 SW_{53}	16.7	X	319.78935	169.34984	219.97165	2.66887	0.0727959	0.27547436	2.3392785	21	10 4.9	19.0
170318 2003 SY_{53}	17.2	X	288.73719	162.62750	144.11408	2.72356	0.2124595	0.26158952	2.4213403	21	3 28.4	20.4
170319 2003 SF_{54}	16.3	X	51.53410	21.74051	251.61999	6.29734	0.1058589	0.27416469	2.3467223	21	9 17.8	19.2
170320 2003 SK_{67}	16.7	X	58.40530	229.88548	179.70307	6.42498	0.3234243	0.23409934	2.6073695	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170321 2003 ST_{73}	15.9	X	347.75710	29.43092	307.24395	1.60608	0.0969329	0.21612516	2.7499988	21	8 29.5	19.0
170322 2003 SG_{74}	16.1	X	38.85804	212.08724	252.22894	2.92553	0.2033846	0.23976229	2.5661506	21	—	—
170323 2003 SL_{75}	17.0	X	260.94801	101.23879	255.43819	0.49912	0.1990216	0.26146840	2.4220880	21	5 3.4	20.7
170324 2003 ST_{75}	17.2	X	249.65704	253.67283	154.10242	1.67028	0.1847526	0.26516929	2.3994990	21	6 30.1	20.6
170325 2003 SA_{78}	16.7	X	325.93829	54.69098	232.55226	5.83188	0.1070186	0.26249011	2.4157987	21	5 8.6	19.2
170326 2003 SE_{83}	17.6	X	282.94906	156.92698	161.96397	1.39870	0.1988552	0.26072302	2.4267021	21	4 8.1	20.8
170327 2003 SO_{83}	16.9	X	287.32817	235.60879	45.39032	3.17103	0.1827977	0.25650502	2.4532330	21	2 26.6	20.3
170328 2003 SO_{87}	16.4	X	315.56295	214.68473	71.22108	7.11139	0.2318732	0.26264608	2.4148422	21	4 3.1	19.4
170329 2003 SY_{89}	16.3	X	196.88638	193.70236	268.48183	6.15518	0.0747459	0.26546385	2.3977236	21	7 22.9	19.7
170330 2003 SA_{95}	17.2	X	179.03309	299.97610	286.50004	4.14588	0.1264534	0.28611405	2.2809193	21	12 14.9	20.3
170331 2003 SV_{101}	16.6	X	14.67951	139.79557	296.30634	4.97396	0.0849647	0.28815010	2.2701621	21	—	—
170332 2003 SF_{103}	16.8	X	286.18936	154.70426	210.50577	1.56956	0.1962780	0.26575310	2.3959835	21	6 14.6	19.9
170333 2003 SJ_{106}	16.1	X	351.72228	64.06614	261.20226	6.39122	0.0900739	0.27052306	2.3677355	21	8 21.6	18.7
170334 2003 ST_{108}	16.2	X	265.51659	339.40423	279.39022	1.75069	0.1302955	0.24623939	2.5209508	21	1 12.8	20.0
170335 2003 SW_{108}	15.9	X	218.60197	167.17678	272.08251	5.66745	0.0867073	0.26369722	2.4084207	21	7 17.1	19.1
170336 2003 SF_{116}	16.3	X	36.00678	264.04407	44.99416	5.52176	0.1447997	0.27646562	2.3336835	21	10 26.7	18.8
170337 2003 SQ_{119}	16.3	X	117.23864	191.04934	345.55394	11.16259	0.1102973	0.26686553	2.3893204	21	8 6.9	19.7
170338 2003 SK_{122}	16.8	X	263.51604	203.22447	116.99460	4.65621	0.1974146	0.25760476	2.4462460	21	3 22.9	20.6
170339 2003 SZ_{125}	16.7	X	285.19038	233.08767	96.87222	4.06789	0.1900671	0.26200823	2.4187599	21	4 27.9	19.9
170340 2003 SA_{126}	16.1	X	187.61787	28.00531	22.05632	6.00196	0.1006432	0.25603524	2.4562329	21	5 2.7	19.8
170341 2003 SH_{137}	16.1	X	233.63982	240.52886	221.83210	5.24014	0.0727156	0.26862383	2.3788827	21	9 6.4	19.2
170342 2003 SM_{155}	16.8	X	340.28456	342.36889	324.54605	1.82256	0.2185006	0.26750519	2.3855100	21	6 22.4	18.5
170343 2003 SN_{156}	16.4	X	259.48743	56.83264	359.76840	2.67989	0.0669530	0.26793114	2.3829810	21	8 12.0	19.4
170344 2003 SH_{157}	16.5	X	310.95162	288.18193	22.57650	2.85250	0.1836782	0.26310796	2.4120153	21	5 5.3	19.4
170345 2003 SB_{160}	16.5	X	219.90904	156.63208	280.66155	1.67094	0.1910079	0.26370644	2.4083646	21	7 8.3	20.2
170346 2003 SJ_{161}	17.1	X	313.69154	169.91528	146.12825	5.94910	0.1862917	0.26546945	2.3976899	21	5 19.5	19.7
170347 2003 SR_{166}	16.8	X	252.36368	94.31012	274.51205	1.46907	0.2084959	0.26006508	2.4307933	21	5 9.5	20.5
170348 2003 ST_{168}	15.9	X	346.66698	214.84648	146.78112	5.08352	0.1099236	0.21950117	2.7217286	21	10 4.9	18.9
170349 2003 SW_{171}	17.0	X	25.40455	161.68974	281.06815	2.36917	0.0834680	0.29274584	2.2463404	21	—	—
170350 2003 SH_{174}	16.6	X	238.32313	105.13239	344.51567	6.11684	0.1082981	0.26983848	2.3717385	21	8 24.1	19.6
170351 2003 SG_{176}	17.2	X	287.08143	293.25519	6.53286	2.50192	0.1608567	0.25917551	2.4363522	21	3 23.5	20.6
170352 2003 ST_{176}	16.7	X	249.98339	297.11985	1.63762	3.45752	0.1926631	0.25344380	2.4729477	21	2 11.9	20.7
170353 2003 SO_{177}	17.0	X	71.38391	338.37411	83.80623	3.51880	0.1183813	0.29515552	2.2340974	21	—	—
170354 2003 SG_{180}	15.6	X	219.61141	175.61778	282.80744	3.09436	0.0636925	0.21210663	2.7846239	21	8 13.4	19.7
170355 2003 SC_{184}	16.4	X	231.21253	110.12201	4.92301	7.57900	0.1070779	0.27182542	2.3601667	21	9 19.5	19.5
170356 2003 SY_{186}	16.7	X	309.80920	141.05033	150.94907	4.91762	0.1805452	0.26135331	2.4227990	21	4 9.9	19.6
170357 2003 SZ_{190}	16.9	X	225.96531	2.31526	5.83766	1.22817	0.1723304	0.25688606	2.4508065	21	4 16.5	20.6
170358 2003 SJ_{191}	16.6	X	353.43912	30.72429	36.74427	5.63205	0.0974933	0.28421692	2.2910581	21	—	—
170359 2003 SH_{194}	16.6	X	55.14057	336.08692	285.61188	6.99235	0.2323074	0.27415343	2.3467866	21	9 26.5	19.6
170360 2003 SB_{203}	16.7	X	288.04981	305.54628	350.47032	4.39027	0.1775823	0.25900654	2.4374117	21	3 17.2	19.9
170361 2003 SE_{209}	16.4	X	215.99070	197.13546	211.07092	3.60506	0.1319438	0.26274363	2.4142445	21	5 30.8	20.0
170362 2003 SL_{209}	16.6	X	63.12245	91.12642	346.37983	6.84459	0.1782848	0.23976015	2.5661658	21	1 8.4	19.0
170363 2003 ST_{210}	16.5	X	91.35324	56.36561	233.07805	5.67571	0.1160266	0.28455821	2.2892258	21	12 5.3	19.6
170364 2003 SV_{210}	16.4	X	71.50540	57.43783	217.06943	6.85639	0.1030045	0.27912840	2.3188182	21	10 20.3	19.4
170365 2003 SW_{212}	16.6	X	13.49016	254.64023	42.96389	7.41237	0.1623874	0.27290700	2.3539267	21	9 4.9	18.8
170366 2003 SJ_{216}	16.6	X	325.93168	327.85918	48.53980	1.46167	0.2325092	0.27200379	2.3591348	21	9 17.2	17.8
170367 2003 SE_{225}	16.9	X	7.39868	62.52645	214.21278	2.27382	0.1980363	0.26941239	2.3742385	21	7 13.6	18.6
170368 2003 SJ_{230}	16.5	X	338.64588	172.69461	135.81680	7.15817	0.1324466	0.26877913	2.3779663	21	7 1.1	18.8
170369 2003 SC_{234}	16.5	X	274.21198	320.37131	68.18379	3.50458	0.1970116	0.26622627	2.3931437	21	7 1.6	19.6
170370 2003 SE_{237}	16.9	X	114.97917	163.44480	176.31605	2.98290	0.1002076	0.23619595	2.5919170	21	—	—
170371 2003 SP_{238}	16.7	X	83.12763	76.51527	214.59411	5.00778	0.1277621	0.28149185	2.3058205	21	11 29.4	19.9
170372 2003 SA_{244}	16.4	X	243.94825	10.78371	40.74673	5.87893	0.0448521	0.26398233	2.4066862	21	7 17.9	19.5
170373 2003 SX_{245}	17.1	X	220.09553	16.53309	15.91845	1.46620	0.1909827	0.25897155	2.4376313	21	5 10.9	21.0
170374 2003 SV_{251}	16.5	X	107.64926	21.45236	47.86718	5.51628	0.2858651	0.24157613	2.5532894	21	3 27.6	20.0
170375 2003 SU_{253}	16.4	X	24.88750	233.55839	199.27362	6.02518	0.2425918	0.23053707	2.6341603	21	—	—
170376 2003 ST_{260}	17.1	X	279.89101	12.87445	271.64611	1.85051	0.1727448	0.25639136	2.4539580	21	2 22.0	20.8
170377 2003 SC_{271}	16.7	X	118.06590	243.35006	125.62302	8.93126	0.1741709	0.29471182	2.2363392	21	—	—
170378 2003 SD_{272}	15.6	X	0.09060	268.80365	165.17912	21.79457	0.0606789	0.23556609	2.5965351	21	—	—
170379 2003 SN_{272}	16.4	X	324.62450	336.40190	293.05225	3.26048	0.0799341	0.25781342	2.4449259	21	4 13.4	19.4
170380 2003 SC_{274}	16.8	X	223.99945	17.51156	44.73902	3.28463	0.0853243	0.26303535	2.4124591	21	7 1.1	20.1
170381 2003 SD_{284}	16.1	X	161.28239	158.00085	253.09979	7.05041	0.0950619	0.25337517	2.4733943	21	4 3.1	19.8
170382 2003 SB_{285}	16.6	X	28.20582	13.05180	261.81454	5.58658	0.0983682	0.26943808	2.3740876	21	8 12.2	19.2
170383 2003 SP_{288}	16.5	X	245.81417	303.29812	122.65459	2.69226	0.1818036	0.26591310	2.3950223	21	7 20.9	19.9
170384 2003 SY_{288}	16.5	X	135.16816	59.11760	38.13115	7.04400	0.1000116	0.25441536	2.4666479	21	5 6.9	19.7
170385 2003 SN_{289}	16.4	X	28.09396	136.67086	125.77346	5.52740	0.2033153	0.26862312	2.3788869	21	8 11.3	18.4
170386 2003 SH_{293}	16.4	X	352.01416	3.46138	272.01229	4.53781	0.0914430	0.26401234	2.4065039	21	6 8.1	18.7
170387 2003 SN_{294}	16.2	X	189.46669	165.81900	156.63785	5.16299	0.2699261	0.24467683	2.5316723	21	1 23.7	20.7
170388 2003 SK_{295}	17.0	X	251.11750	126.43958	208.16993	13.87498	0.1734933	0.25737938	2.4476739	21	3 27.0	20.8
170389 2003 SD_{298}	16.4	X	293.40951	9.80293	309.04836	10.50973	0.2652233	0.26298112	2.4127908	21	4 4.6	20.2
170390 2003 SK_{298}	16.9	X	277.39330	35.92112	11.03088	1.33030	0.1758965	0.26913743	2.3758553	21	8 5.5	19.5
170391 2003 SU_{304}	16.5	X	294.38257	82.61058	50.08646	5.03121	0.0832821	0.28373311	2.2936617	21	—	—
170392 2003 SZ_{304}	15.6	X	310.96152	26.71422	331.35494	3.77303	0.0875199	0.21151434	2.7898199	21	7 30.7	19.0
170393 2003 SA_{305}	16.0	X	84.68441	303.36985	298.30412	6.12378	0.1025504	0.27066490	2.3669083	21	9 18.2	19.2
170394 2003 SC_{319}	17.0	X	194.45001	174.87987	152.02619	5.12850	0.1696473	0.24628298	2.5206533	21	1 28.9	21.0
170395 Nicolevogt	16.7	X	185.29877	266.52683	60.89828	10.80110	0.1860100	0.24478548	2.5309231	21	1 25.4	21.0
170396 2003 SW_{320}	16.5	X	64.30951	184.24413	168.00393	2.63446	0.0268491	0.22957837	2.6414886	21	—	—
170397 2003 TB_{10}	15.1	X	33.18359	27.09018	43.42478	35.00268	0.2760257	0.22806536	2.6531583	21	—	—
170398 2003 TA_{14}	16.4	X	318.37110	218.04807	258.27296	5.31321	0.0703472	0.28499743	2.2868732	21	—	—
170399 2003 TL_{14}	16.2	X	224.21296	355.04222	73.77177	3.71448	0.1954922	0.26220356	2.4175585	21	7 1.1	20.0
170400 2003 TS_{16}	16.9	X	210.35126	296.56809	235.85126	5.68073	0.0579493	0.27947356	2.3169086	21	11 16.9	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170401 2003 TX_{17}	16.5	X	161.30880	321.15741	170.86959	5.18851	0.1040519	0.26281187	2.4138266	21	7 22.7	20.1
170402 2003 TS_{19}	16.6	X	293.61856	261.58147	72.63319	2.60467	0.1559992	0.26280415	2.4138738	21	5 18.7	19.4
170403 2003 TZ_{49}	15.9	X	176.12144	351.46710	61.19724	13.61042	0.1587728	0.25470406	2.4647837	21	4 30.3	19.8
170404 2003 UQ_{1}	16.2	X	330.89730	305.87543	215.34233	11.46618	0.1167564	0.23841841	2.5757845	21	—	—
170405 2003 UK_{4}	16.0	X	222.95226	247.57522	240.50139	20.44153	0.3422078	0.26719547	2.3873531	21	8 24.8	20.6
170406 2003 UJ_{15}	17.0	X	97.77954	62.12154	23.37640	13.68045	0.1599640	0.24444476	2.5332743	21	3 19.4	20.2
170407 2003 UT_{16}	15.9	X	11.37288	28.72423	3.67831	13.22938	0.1090071	0.22415669	2.6839118	21	12 25.3	19.5
170408 2003 UL_{20}	16.8	X	144.01686	69.27682	22.06766	3.59281	0.1444741	0.25324250	2.4742580	21	5 13.5	20.5
170409 2003 UK_{27}	16.4	X	222.50445	239.06296	117.16839	8.61137	0.2508132	0.25321228	2.4744549	21	3 31.7	20.8
170410 2003 UN_{27}	16.3	X	32.48457	251.23894	39.84662	6.74986	0.2488273	0.27385280	2.3485037	21	10 13.7	18.6
170411 2003 UT_{27}	16.4	X	277.00603	59.56941	67.69111	7.09350	0.0564132	0.28027555	2.3124867	21	12 18.8	19.0
170412 2003 UX_{28}	17.4	X	277.53222	124.55460	300.59733	0.57837	0.1651183	0.26848057	2.3797289	21	9 2.5	20.2
170413 2003 UG_{31}	15.6	X	8.16833	110.88245	208.18625	5.11849	0.0767408	0.21512279	2.7585346	21	9 5.5	18.9
170414 2003 UG_{32}	16.2	X	206.37284	221.57724	21.47305	7.94939	0.1655411	0.23395399	2.6084494	21	—	—
170415 2003 UV_{47}	15.7	X	287.69155	264.79811	205.28881	12.62970	0.1667318	0.21873889	2.7280482	21	11 15.0	18.8
170416 2003 UU_{52}	15.4	X	199.66365	325.37353	254.72290	13.81692	0.0604064	0.22708616	2.6607798	21	12 24.6	19.1
170417 2003 UF_{54}	15.0	X	2.79500	97.99195	247.90102	13.01523	0.1655427	0.21705799	2.7421142	21	10 8.7	18.2
170418 2003 UC_{56}	15.7	X	21.93338	133.17154	179.66424	12.16713	0.1708766	0.21745101	2.7388091	21	10 3.8	18.6
170419 2003 UN_{65}	15.8	X	116.94369	353.53683	61.75064	15.03742	0.1190914	0.24447878	2.5330393	21	3 2.6	19.5
170420 2003 UL_{71}	16.3	X	305.99098	243.70393	175.32683	3.35941	0.0523132	0.22010648	2.7167364	21	10 19.3	19.7
170421 2003 UY_{72}	16.5	X	102.70195	81.50306	233.93125	1.57174	0.2835513	0.23042417	2.6350207	21	—	—
170422 2003 UO_{75}	16.3	X	186.37001	163.99648	288.30614	4.31585	0.0866410	0.26087606	2.4257529	21	6 27.9	19.6
170423 2003 UO_{86}	15.8	X	57.56245	286.37960	192.10978	13.51260	0.1064785	0.24190395	2.5509821	21	2 13.5	18.9
170424 2003 UU_{86}	16.4	X	11.16231	260.52429	192.95058	12.75549	0.2338327	0.22976851	2.6400311	21	—	—
170425 2003 US_{90}	16.6	X	354.75781	23.59128	68.95116	6.10297	0.0135276	0.28711099	2.2756362	21	—	—
170426 2003 UT_{90}	17.1	X	163.81720	208.57875	158.17438	4.56044	0.1742145	0.24554958	2.5256699	21	2 18.9	20.9
170427 2003 UY_{92}	16.5	X	191.13911	167.60284	270.98086	2.22107	0.1717731	0.25708112	2.4495666	21	6 13.8	20.5
170428 2003 UL_{94}	17.1	X	267.46389	19.66394	339.97000	1.19617	0.1581238	0.26106138	2.4246048	21	5 19.2	20.4
170429 2003 UP_{95}	16.8	X	158.16183	263.32179	200.60241	2.06448	0.1538214	0.25643317	2.4536913	21	6 14.9	20.7
170430 2003 UH_{98}	16.2	X	309.99994	353.73507	97.60911	6.42241	0.2134043	0.27576005	2.3376625	21	12 16.0	17.5
170431 2003 UT_{101}	16.8	X	48.28263	293.62615	80.38929	3.62421	0.1735353	0.28443459	2.2898891	21	—	—
170432 2003 UL_{112}	16.2	X	26.18921	304.73936	59.89222	8.21412	0.1213027	0.27932335	2.3177392	21	12 24.6	18.9
170433 2003 UQ_{112}	15.7	X	268.01852	277.76249	173.01236	8.20461	0.0927113	0.21604387	2.7506886	21	10 1.4	19.4
170434 2003 UP_{117}	16.5	X	270.02356	19.09398	58.67178	3.18489	0.1555922	0.27001654	2.3706956	21	9 13.2	19.2
170435 2003 UR_{118}	16.6	X	161.59579	317.68266	226.73958	5.50188	0.0705575	0.27233237	2.3572368	21	10 1.3	20.0
170436 2003 UV_{122}	16.3	X	122.17547	265.13106	100.70812	15.30779	0.3055241	0.23811869	2.5779455	21	1 24.5	20.0
170437 2003 UY_{123}	15.8	X	267.36249	341.92403	277.87333	13.94752	0.0552522	0.24712696	2.5149110	21	1 20.1	19.3
170438 2003 UF_{132}	15.8	X	308.79178	239.13342	259.85364	8.05633	0.0480203	0.22838890	2.6506520	21	—	—
170439 2003 UT_{132}	16.4	X	64.60549	59.27991	5.14609	4.80237	0.2040918	0.23469918	2.6029251	21	—	—
170440 2003 UC_{136}	15.7	X	236.46706	261.46000	240.49183	20.45936	0.2816425	0.27168406	2.3609853	21	10 2.5	19.7
170441 2003 UV_{141}	16.5	X	317.22929	191.94199	102.68038	5.18744	0.2119136	0.26279382	2.4139371	21	4 20.2	19.2
170442 2003 UH_{144}	16.8	X	99.45755	9.07530	12.26080	3.25474	0.2467128	0.23593455	2.5938311	21	1 6.7	19.7
170443 2003 UF_{145}	16.6	X	12.98764	303.93532	42.10131	3.66502	0.1879161	0.27403008	2.3474907	21	11 17.4	18.8
170444 2003 UK_{149}	15.9	X	303.75372	287.28949	186.82394	12.17846	0.1192312	0.22587343	2.6702952	21	12 23.5	19.1
170445 2003 UY_{151}	16.1	X	94.04031	337.44429	112.72883	3.04256	0.0260800	0.24432564	2.5340977	21	2 24.5	19.4
170446 2003 UQ_{152}	16.6	X	65.51070	255.19337	188.98379	8.30812	0.1354400	0.23903196	2.5713749	21	1 15.5	19.5
170447 2003 UR_{152}	16.4	X	195.32253	134.22092	189.54627	9.59721	0.0882893	0.24361130	2.5390491	21	1 21.2	20.3
170448 2003 UX_{163}	16.2	X	288.42215	305.17841	93.28360	7.05993	0.0804236	0.26640545	2.3920706	21	8 29.1	19.0
170449 2003 UT_{165}	16.9	X	167.70862	307.32792	33.74120	6.75855	0.2641256	0.24355060	2.5394709	21	1 31.9	21.2
170450 2003 UK_{170}	16.0	X	40.16908	137.49317	213.89980	5.63611	0.0311136	0.22220285	2.6996220	21	11 30.7	19.7
170451 2003 UJ_{172}	16.8	X	272.50800	216.34477	219.30833	4.94968	0.1870923	0.27178305	2.3604120	21	9 4.5	19.5
170452 2003 UQ_{173}	17.3	X	72.56876	242.37078	155.97819	2.44868	0.2488716	0.23362159	2.6109230	21	—	—
170453 2003 UH_{180}	16.8	X	196.41956	243.09882	101.54036	4.96365	0.1528324	0.24703271	2.5155507	21	2 22.6	20.8
170454 2003 UL_{183}	15.5	X	323.04603	138.14906	122.53331	2.81060	0.0642940	0.19743368	2.9209349	21	4 12.0	19.3
170455 2003 UD_{184}	16.6	X	152.08272	283.64676	43.12091	12.05846	0.2826247	0.23981515	2.5657734	21	1 2.4	20.9
170456 2003 UF_{184}	16.3	X	294.70165	248.80465	179.37819	1.80455	0.2037675	0.27142540	2.3624850	21	10 1.7	18.5
170457 2003 UY_{188}	16.5	X	358.14297	272.20987	278.56252	4.34595	0.1209331	0.30112606	2.2044681	21	1 29.6	18.6
170458 2003 UX_{192}	16.5	X	144.86688	236.14660	215.07893	5.61053	0.1153226	0.25635599	2.4541837	21	5 12.6	20.0
170459 2003 UQ_{196}	17.2	X	20.99629	41.00644	333.82127	1.65681	0.0816681	0.27905243	2.3192390	21	12 25.1	19.8
170460 2003 UG_{206}	15.6	X	140.42843	107.50257	233.31172	20.89220	0.0972137	0.23556626	2.5965339	21	—	—
170461 2003 UO_{206}	16.0	X	323.26758	306.99123	59.21626	7.25325	0.1580997	0.26784960	2.3834647	21	9 3.6	18.2
170462 2003 US_{206}	16.8	X	173.10843	260.20450	240.78338	1.44012	0.1297983	0.26308912	2.4121304	21	8 16.9	20.4
170463 2003 UD_{207}	16.0	X	194.05506	280.77162	357.15645	11.67729	0.2032300	0.23757701	2.5818625	21	—	—
170464 2003 UE_{209}	15.8	X	273.84817	109.14717	259.46880	3.53184	0.0815374	0.20554720	2.8435553	21	6 21.9	19.7
170465 2003 UE_{211}	16.9	X	168.96614	86.76906	233.52299	7.64208	0.1720434	0.23894784	2.5719784	21	—	—
170466 2003 UL_{212}	16.1	X	5.42114	104.53230	43.05302	11.29640	0.0844027	0.23682760	2.5873063	21	1 4.7	19.4
170467 2003 UE_{220}	15.4	X	39.62917	347.82772	85.98223	14.44693	0.1359443	0.22951936	2.6419413	21	—	—
170468 2003 UY_{227}	16.3	X	308.59079	41.61159	268.16126	4.21315	0.1055874	0.25874833	2.4390330	21	5 13.5	19.2
170469 2003 UC_{234}	15.3	X	119.96784	109.52279	234.30570	21.16171	0.0718604	0.23243707	2.6197858	21	—	—
170470 2003 UU_{236}	16.5	X	160.47391	256.02113	120.57324	3.80586	0.1777776	0.24634928	2.5202011	21	3 1.3	20.3
170471 2003 UJ_{237}	16.4	X	346.90796	47.42189	243.96157	8.21477	0.1924650	0.26438538	2.4042397	21	6 15.3	18.1
170472 2003 UF_{239}	16.9	X	218.76144	230.70207	216.74663	4.37123	0.0666085	0.26438696	2.4042301	21	7 29.7	20.2
170473 2003 UM_{242}	16.1	X	14.24639	73.73670	47.39920	13.27263	0.1274764	0.23518052	2.5993723	21	—	—
170474 2003 UH_{244}	15.9	X	120.38782	350.89051	347.98397	0.84541	0.1161554	0.23145755	2.6271719	21	—	—
170475 2003 UV_{252}	15.1	X	345.53389	296.93492	236.45159	29.39990	0.2972481	0.23349860	2.6118398	21	—	—
170476 2003 UZ_{252}	16.1	X	56.17359	110.07105	295.77547	0.44743	0.0896964	0.23042070	2.6350471	21	—	—
170477 2003 UF_{259}	16.8	X	150.82103	231.17111	178.46785	3.66286	0.2548810	0.24665086	2.5181463	21	4 7.6	20.8
170478 2003 UZ_{260}	16.5	X	169.92120	170.72839	21.48195	3.89360	0.0806108	0.27413942	2.3468665	21	10 22.6	19.9
170479 2003 UY_{261}	15.9	X	95.24065	166.33103	226.60371	29.64018	0.1851196	0.23588551	2.5941905	21	—	—
170480 2003 UC_{266}	16.1	X	25.39721	58.19229	36.39102	11.74733	0.1581112	0.23367020	2.6105609	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170481 2003 UH_{268}	16.0	X	345.35583	303.31833	215.01583	10.98974	0.0328429	0.23737840	2.5833024	21	—	—
170482 2003 UC_{269}	16.0	X	290.06327	248.40140	61.42360	7.24346	0.0263371	0.25319646	2.4745579	21	5 2.2	19.1
170483 2003 UU_{271}	16.6	X	94.59764	105.88022	212.23468	3.78342	0.2868924	0.22997997	2.6384126	21	—	—
170484 2003 UN_{272}	16.2	X	130.54353	152.34090	53.38739	9.08317	0.0591764	0.26919405	2.3755221	21	9 28.8	19.5
170485 2003 UC_{277}	16.0	X	117.45325	132.71145	232.51545	10.77303	0.1992742	0.23597636	2.5935247	21	1 1.4	19.5
170486 2003 UE_{281}	15.9	X	203.86269	260.67102	42.95859	2.43687	0.0982164	0.23966315	2.5668582	21	1 8.9	19.7
170487 Mallder	16.9	X	42.40030	164.00699	49.04070	3.19462	0.1184734	0.25789266	2.4444251	21	6 8.1	19.3
170488 2003 UQ_{287}	16.6	X	193.77969	89.45942	37.65159	3.80374	0.0742894	0.26692299	2.3889775	21	8 25.7	19.8
170489 2003 UG_{298}	17.4	X	190.47818	257.97446	226.08633	1.69878	0.1599581	0.26347854	2.4097531	21	8 11.2	21.2
170490 2003 UZ_{300}	16.3	X	352.01644	334.22078	315.21857	4.64456	0.1149360	0.26484506	2.4014569	21	6 29.6	18.5
170491 2003 UJ_{310}	16.0	X	72.15541	22.35319	268.35161	7.96923	0.1237075	0.27923379	2.3182347	21	11 13.8	19.1
170492 2003 UJ_{314}	16.0	X	57.99019	327.45795	67.91369	3.24109	0.0917618	0.23032430	2.6357823	21	—	—
170493 2003 UY_{314}	16.8	X	119.11194	9.56948	15.93135	4.38804	0.0691573	0.23950291	2.5680030	21	1 11.7	20.1
170494 2003 VE_{4}	16.2	X	251.29688	88.85541	273.63576	4.90847	0.1631402	0.25697431	2.4502454	21	5 3.5	20.0
170495 2003 VQ_{7}	16.2	X	70.29393	28.30373	50.48971	4.44212	0.1326373	0.23736774	2.5833797	21	1 19.6	18.9
170496 2003 VK_{8}	15.5	X	182.29289	203.10766	62.51793	15.23886	0.0815509	0.23055750	2.6340047	21	—	—
170497 2003 WE_{2}	15.9	X	0.94185	339.06875	41.76991	3.10444	0.0964284	0.21955470	2.7212862	21	11 20.9	19.2
170498 2003 WW_{5}	15.8	X	33.41977	238.45011	216.10571	4.92123	0.1881318	0.23256825	2.6188006	21	—	—
170499 2003 WY_{5}	15.5	X	271.96559	74.44115	69.86257	13.58850	0.1517323	0.22044418	2.7139612	21	12 6.7	18.7
170500 2003 WJ_{6}	16.3	X	44.32268	162.23427	351.36166	4.97547	0.2049376	0.24230133	2.5481922	21	3 23.0	18.4
170501 2003 WS_{6}	16.2	X	48.32382	105.72277	354.40557	5.51092	0.0488911	0.23889317	2.5723707	21	1 7.5	19.3
170502 2003 WM_{7}	17.2	X	153.46997	143.79869	48.52728	10.41303	0.8802493	0.25300418	2.4758116	21	10 8.4	23.6
170503 2003 WU_{10}	15.5	X	155.50631	191.91837	22.30693	9.51441	0.0501455	0.21618633	2.7494800	21	10 26.9	19.4
170504 2003 WF_{14}	16.9	X	3.58612	23.90352	230.66476	2.29105	0.1619339	0.25772644	2.4454760	21	5 26.9	18.7
170505 2003 WW_{15}	16.3	X	336.61641	108.07187	188.07811	1.92066	0.1766009	0.26166579	2.4208697	21	6 1.8	18.5
170506 2003 WC_{16}	16.8	X	197.44860	261.44295	57.31909	2.64637	0.1824635	0.24322940	2.5417062	21	1 23.9	21.0
170507 2003 WO_{21}	16.5	X	156.98933	16.93797	295.11147	1.90317	0.1982975	0.23476491	2.6024392	21	—	—
170508 2003 WC_{32}	16.0	X	85.39963	337.94142	46.48741	12.74476	0.0445243	0.23230955	2.6207444	21	—	—
170509 2003 WG_{32}	15.7	X	272.31897	322.64759	244.52331	14.25291	0.0382752	0.23306807	2.6150552	21	—	—
170510 2003 WS_{34}	15.4	X	42.39276	224.22576	267.34278	4.61403	0.0357180	0.18477451	3.0528679	21	2 16.8	19.5
170511 2003 WX_{34}	16.3	X	25.67963	94.04447	32.72709	3.52210	0.1024813	0.23622677	2.5916915	21	1 7.2	19.1
170512 2003 WH_{54}	16.2	X	13.17267	168.34298	291.33638	3.21658	0.1118753	0.23217675	2.6217437	21	—	—
170513 2003 WW_{54}	15.6	X	0.94239	336.89316	346.60983	4.99428	0.0251898	0.21048595	2.7988995	21	8 30.9	19.3
170514 2003 WK_{56}	16.1	X	217.31095	319.45705	336.24612	3.16950	0.1599313	0.23988729	2.5652590	21	1 13.4	20.3
170515 2003 WO_{57}	17.0	X	69.88429	10.82367	19.28824	2.34689	0.1228220	0.23111194	2.6297904	21	—	—
170516 2003 WF_{58}	16.5	X	155.67523	61.36027	51.72590	8.12717	0.1900519	0.25377660	2.4707852	21	6 26.1	20.5
170517 2003 WM_{59}	16.1	X	164.87641	246.47134	67.32234	8.50087	0.1736162	0.23628970	2.5912314	21	—	—
170518 2003 WW_{60}	17.1	X	54.43361	166.92391	256.31929	1.87667	0.1321362	0.23276377	2.6173339	21	—	—
170519 2003 WM_{62}	16.3	X	218.83565	138.29757	174.22726	1.51212	0.2222987	0.24506866	2.5289730	21	2 2.1	20.7
170520 2003 WQ_{73}	16.0	X	250.88276	234.67233	264.90240	8.83445	0.1447950	0.21547645	2.7555154	21	10 30.9	20.0
170521 2003 WS_{74}	16.4	X	312.75217	158.55172	297.64574	12.82306	0.0608623	0.27643899	2.3338334	21	12 31.4	19.0
170522 2003 WX_{74}	15.0	X	128.29381	50.05023	359.03093	12.95914	0.1851721	0.23983382	2.5656403	21	3 11.0	18.6
170523 2003 WB_{77}	16.1	X	14.65676	163.94801	199.72917	14.30570	0.2300419	0.21936716	2.7228370	21	12 9.1	19.4
170524 2003 WL_{78}	16.0	X	342.96242	84.25208	317.83462	4.37274	0.0350995	0.21965319	2.7204727	21	11 16.9	19.5
170525 2003 WQ_{85}	16.1	X	100.61291	217.36794	306.81216	4.72105	0.1335459	0.25285964	2.4767550	21	6 30.2	19.4
170526 2003 WB_{89}	16.4	X	40.16065	303.05645	124.46035	3.04172	0.1589755	0.23108476	2.6299966	21	—	—
170527 2003 WD_{89}	15.7	X	151.37554	234.49935	70.79909	14.24865	0.1588308	0.23226029	2.6211150	21	—	—
170528 2003 WQ_{90}	15.9	X	274.28846	17.20943	257.76968	12.06193	0.0970805	0.24561475	2.5252231	21	2 9.2	19.8
170529 2003 WF_{94}	16.4	X	300.54352	314.14195	324.87148	6.05455	0.0459336	0.25191503	2.4829425	21	3 28.2	19.6
170530 2003 WR_{95}	16.5	X	110.87797	283.38891	62.78725	13.99588	0.2229726	0.23346813	2.6120670	21	—	—
170531 2003 WF_{96}	16.2	X	60.21033	358.98220	232.56893	6.32552	0.0744774	0.26107236	2.4245369	21	7 27.1	19.2
170532 2003 WK_{96}	16.8	X	13.01636	77.02890	53.39651	4.39723	0.1876815	0.23474085	2.6026170	21	—	—
170533 2003 WW_{96}	15.8	X	287.08814	335.84292	220.32029	14.35645	0.1095133	0.23309399	2.6148613	21	—	—
170534 2003 WJ_{101}	16.8	X	36.53672	77.45626	45.42626	1.45059	0.1104519	0.23913873	2.5706095	21	1 19.1	19.4
170535 2003 WR_{103}	16.0	X	111.85680	345.87684	56.03560	1.59959	0.1133254	0.23807054	2.5782930	21	1 29.9	19.2
170536 2003 WJ_{108}	15.9	X	96.27220	95.69419	230.97661	13.87602	0.1671430	0.23017180	2.6369465	21	—	—
170537 2003 WA_{111}	15.7	X	227.09392	217.39355	42.35971	14.75659	0.1225225	0.23491704	2.6013156	21	—	—
170538 2003 WX_{112}	16.4	X	50.10971	125.60252	46.55434	13.22024	0.1014206	0.24686009	2.5167232	21	4 23.0	19.2
170539 2003 WJ_{114}	16.1	X	5.51312	212.43411	329.97052	4.80890	0.1631560	0.24061859	2.5600587	21	2 11.5	18.6
170540 2003 WL_{114}	16.0	X	167.64133	213.28239	38.19259	9.87731	0.0453355	0.22493648	2.6777054	21	12 28.4	20.0
170541 2003 WV_{115}	15.1	X	181.00664	108.32688	274.02325	7.53473	0.1018563	0.19052219	2.9911556	21	3 24.6	19.9
170542 2003 WZ_{116}	15.6	X	161.17581	300.18536	17.73903	4.34298	0.2057047	0.23521653	2.5991070	21	—	—
170543 2003 WM_{120}	16.1	X	3.41549	56.43026	45.46942	5.81463	0.1262143	0.22775804	2.6555445	21	—	—
170544 2003 WV_{121}	15.2	X	142.46718	335.02101	69.25993	15.59401	0.1587330	0.24210095	2.5495980	21	3 24.5	19.3
170545 2003 WR_{122}	16.0	X	58.86030	190.35434	299.98025	3.54652	0.0999893	0.24120347	2.5559186	21	3 5.8	19.0
170546 2003 WL_{124}	15.6	X	59.47288	5.98199	330.58248	4.57317	0.0156288	0.21913783	2.7247363	21	12 2.4	19.3
170547 2003 WL_{127}	16.0	X	98.59594	143.84261	280.35145	12.42174	0.1377804	0.23616760	2.5921244	21	2 8.8	19.4
170548 2003 WZ_{127}	15.3	X	103.84049	330.00201	98.42661	16.74817	0.1571077	0.23574787	2.5952002	21	3 8.6	19.0
170549 2003 WU_{129}	15.5	X	207.43938	228.35840	61.80162	15.22618	0.1005053	0.23672841	2.5880289	21	—	—
170550 2003 WJ_{130}	16.3	X	256.32943	19.83145	67.59969	7.31364	0.0738322	0.26652142	2.3913766	21	9 22.8	19.4
170551 2003 WW_{132}	16.5	X	353.44156	266.26492	204.47355	1.72356	0.1512671	0.22862964	2.6487910	21	—	—
170552 2003 WR_{135}	15.5	X	303.35331	102.21549	75.04338	13.22142	0.1899172	0.22818893	2.6522004	21	—	—
170553 2003 WF_{136}	15.8	X	58.68064	187.16137	256.28593	13.50500	0.0663453	0.23475844	2.6024870	21	—	—
170554 2003 WZ_{136}	16.0	X	347.60042	30.90743	80.92748	6.12166	0.1600691	0.22664549	2.6642276	21	—	—
170555 2003 WS_{138}	15.1	X	128.74765	322.94288	65.55617	12.87979	0.1960876	0.23913063	2.5706675	21	2 19.5	19.0
170556 2003 WQ_{141}	15.8	X	125.53789	308.01396	85.89348	14.21801	0.2870989	0.23920065	2.5701658	21	3 6.7	19.9
170557 2003 WE_{147}	16.3	X	234.13939	228.69814	76.84501	2.16401	0.1497911	0.24465781	2.5318035	21	2 8.8	20.2
170558 2003 WY_{147}	16.3	X	350.85657	324.08388	155.55220	6.42691	0.1840274	0.22849562	2.6498267	21	—	—
170559 2003 WJ_{148}	16.4	X	34.07408	209.39688	274.91796	7.69538	0.2038935	0.23735272	2.5834887	21	1 13.4	18.6
170560 2003 WH_{150}	15.8	X	177.02441	198.80591	131.86763	5.64386	0.1160724	0.23901459	2.5714995	21	1 15.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170561 2003 WA_{152}	16.0	X	141.47307	321.85187	41.77428	1.79201	0.0485775	0.23562813	2.5960793	21	1 9.5	19.4
170562 2003 WG_{154}	16.1	X	55.55875	49.19882	79.12957	13.97043	0.1157803	0.24142140	2.5543802	21	3 8.7	19.2
170563 2003 WO_{160}	17.2	X	193.69567	304.53958	189.96492	0.80248	0.1252222	0.26247490	2.4158921	21	8 30.2	20.8
170564 2003 WW_{165}	16.8	X	329.48796	214.42035	203.71545	1.65331	0.1879152	0.27424299	2.3462756	21	12 9.0	18.5
170565 2003 WO_{169}	15.8	X	272.72955	80.00371	62.41825	13.90516	0.2589441	0.21434816	2.7651766	21	11 18.4	19.2
170566 2003 WG_{171}	15.8	X	114.10932	314.67140	103.21815	10.55000	0.0749905	0.24356739	2.5393543	21	2 18.3	19.2
170567 2003 WM_{174}	17.0	X	318.13025	206.85188	88.04191	2.45595	0.1791194	0.25975839	2.4327062	21	4 26.3	19.5
170568 2003 WM_{190}	16.1	X	201.78510	230.23074	169.55693	23.20760	0.1599507	0.25441352	2.4666598	21	5 9.3	20.5
170569 2003 WQ_{192}	16.2	X	42.22864	185.19120	312.68972	3.18622	0.0845037	0.24114176	2.5563546	21	2 16.9	18.9
170570 2003 XT_{2}	16.4	X	82.01081	235.19076	128.30252	5.58906	0.1496351	0.28507597	2.2864532	21	—	—
170571 2003 XB_{4}	16.3	X	184.75963	342.28573	133.15717	2.16465	0.1347201	0.25789995	2.4443790	21	7 26.3	19.9
170572 2003 XR_{5}	16.3	X	353.04616	158.65633	285.93389	7.08013	0.0687730	0.28194724	2.3033370	21	—	—
170573 2003 XN_{6}	15.8	X	140.60647	237.77401	124.16538	3.53444	0.2357474	0.23738471	2.5832567	21	1 29.3	19.6
170574 2003 XA_{7}	15.6	X	236.51712	68.30462	349.97356	14.64250	0.1882202	0.25688326	2.4508243	21	7 2.1	19.7
170575 2003 XM_{9}	15.2	X	323.36577	73.61756	41.05315	21.89637	0.1034635	0.22290451	2.6939538	21	—	—
170576 2003 XE_{10}	15.4	X	128.08030	333.89722	66.01995	27.58442	0.2176859	0.23883266	2.5728052	21	3 19.4	19.9
170577 2003 XQ_{11}	16.1	X	260.62265	136.96497	296.34000	7.50257	0.2513559	0.26456345	2.4031607	21	8 6.7	19.4
170578 2003 XU_{13}	16.7	X	47.09506	251.06437	168.08473	2.70840	0.2071458	0.23032255	2.6357957	21	—	—
170579 2003 XC_{15}	15.4	X	81.80846	315.59311	100.35203	15.88229	0.2715190	0.23379456	2.6096351	21	1 30.4	18.1
170580 2003 XM_{15}	16.1	X	37.77565	217.43221	217.66774	14.31175	0.1129654	0.23049649	2.6344695	21	—	—
170581 2003 XC_{18}	16.2	X	329.42577	75.66841	359.03233	7.27566	0.0730971	0.27285029	2.3542529	21	12 26.7	18.8
170582 2003 XN_{19}	15.4	X	321.07813	194.56773	251.41672	24.51662	0.1776734	0.27796302	2.3252949	21	12 30.1	17.5
170583 2003 XO_{20}	16.6	X	83.99756	41.26437	331.69012	2.66078	0.0998107	0.22931448	2.6435147	21	—	—
170584 2003 XA_{22}	15.7	X	109.06366	250.58087	149.00126	12.42836	0.2506328	0.23748066	2.5825608	21	2 12.1	19.1
170585 2003 XC_{24}	16.6	X	159.36632	114.90963	211.41285	1.03764	0.2091017	0.23657710	2.5891323	21	1 1.5	20.6
170586 2003 XF_{25}	16.0	X	346.46807	229.51371	199.37632	5.11884	0.0374200	0.22260820	2.6963439	21	12 28.0	19.5
170587 2003 XZ_{29}	15.7	X	213.79594	163.64738	65.96791	11.91968	0.1205517	0.22596558	2.6695692	21	—	—
170588 2003 XJ_{38}	15.6	X	21.33443	53.58167	11.77886	12.72140	0.1629309	0.22664642	2.6642204	21	—	—
170589 2003 XL_{40}	16.5	X	55.32004	80.93369	37.19303	4.05689	0.1716575	0.23833483	2.5763867	21	2 21.5	18.9
170590 2003 XL_{43}	16.2	X	125.53647	196.45050	158.54730	4.31189	0.2697334	0.23594170	2.5937787	21	1 9.2	19.8
170591 2003 YK_{1}	15.9	X	112.45884	268.68788	79.51879	29.13561	0.3565507	0.23190846	2.6237653	21	—	—
170592 2003 YB_{3}	15.8	X	284.27312	167.89628	306.22984	3.83694	0.0383279	0.21437010	2.7649879	21	11 28.4	19.5
170593 2003 YK_{14}	16.2	X	6.98299	68.41222	330.67561	13.36972	0.1443565	0.21870941	2.7282934	21	—	—
170594 2003 YN_{14}	15.5	X	33.15571	125.48991	47.50439	13.97981	0.0882365	0.23984674	2.5655481	21	3 30.7	18.6
170595 2003 YT_{14}	15.4	X	272.36352	115.28149	69.67729	14.24420	0.1630997	0.22211082	2.7003677	21	—	—
170596 2003 YU_{19}	15.7	X	99.20255	10.51086	314.15871	7.60040	0.0739008	0.21873689	2.7280649	21	—	—
170597 2003 YA_{20}	15.6	X	315.77584	339.08465	75.93753	5.42790	0.0633118	0.21044840	2.7992325	21	10 27.1	19.1
170598 2003 YG_{20}	15.8	X	28.91438	257.00739	86.89293	7.35549	0.0246368	0.21013724	2.8019950	21	11 5.5	19.6
170599 2003 YT_{23}	16.3	X	359.55760	350.76910	111.57872	4.24099	0.1454805	0.22798849	2.6537547	21	—	—
170600 2003 YF_{25}	16.7	X	316.31055	142.09259	289.04965	3.69863	0.1473614	0.27197792	2.3592843	21	11 27.5	18.7
170601 2003 YC_{26}	15.9	X	334.24727	45.23275	87.82543	12.25192	0.1526254	0.22372893	2.6873317	21	—	—
170602 2003 YN_{26}	15.0	X	180.87299	294.04959	30.60037	11.86049	0.3151208	0.23798412	2.5789172	21	1 27.2	19.9
170603 2003 YC_{29}	15.9	X	51.01977	211.20129	265.94865	2.65958	0.1594833	0.23438323	2.6052637	21	2 8.3	18.4
170604 2003 YC_{30}	16.0	X	246.72538	294.40420	15.16135	2.26925	0.0860213	0.24696657	2.5159998	21	3 1.2	19.5
170605 2003 YW_{30}	15.3	X	16.35089	289.51163	279.87488	6.00324	0.2370756	0.24326749	2.5414408	21	4 8.9	17.2
170606 2003 YG_{33}	15.3	X	161.10758	219.79518	97.29603	16.78794	0.1712436	0.23443199	2.6049024	21	—	—
170607 2003 YT_{38}	17.1	X	19.45547	117.69825	339.22926	1.40837	0.1633045	0.23093912	2.6311022	21	—	—
170608 2003 YR_{39}	16.9	X	343.78900	90.40509	3.24889	2.79692	0.1760871	0.22103077	2.7091573	21	—	—
170609 2003 YV_{41}	16.0	X	36.94975	310.78709	320.43427	0.79238	0.0677845	0.19847696	2.9106902	21	8 15.0	19.5
170610 2003 YG_{44}	15.9	X	208.19498	234.25272	302.33369	3.14385	0.0427932	0.21073943	2.7966547	21	11 9.3	19.9
170611 2003 YT_{46}	16.2	X	137.43852	297.52598	80.70169	2.85248	0.0210035	0.23710810	2.5852653	21	1 18.9	19.5
170612 2003 YX_{46}	16.0	X	299.57313	86.75788	92.69845	4.00102	0.0850792	0.22979978	2.6397916	21	—	—
170613 2003 YS_{47}	15.6	X	307.62207	80.98613	77.74323	14.71307	0.0488618	0.22790278	2.6544200	21	—	—
170614 2003 YU_{47}	16.1	X	6.62876	184.41429	282.82372	2.48192	0.0593653	0.22942346	2.6426775	21	—	—
170615 2003 YT_{49}	16.1	X	18.89612	10.37276	48.61383	1.65283	0.0431079	0.22407281	2.6845816	21	—	—
170616 2003 YG_{50}	15.8	X	341.59795	226.06170	271.24900	11.74575	0.1280627	0.22810818	2.6528263	21	—	—
170617 2003 YW_{50}	16.2	X	341.60913	211.35979	279.12771	8.04730	0.2652821	0.22520067	2.6756107	21	—	—
170618 2003 YX_{50}	15.6	X	357.49707	267.51690	88.83553	13.85516	0.2084926	0.21256485	2.7806207	21	10 28.7	18.6
170619 2003 YC_{51}	15.7	X	241.47952	102.18758	41.51468	4.09281	0.0356545	0.21357942	2.7718078	21	11 10.9	19.6
170620 2003 YP_{51}	15.9	X	286.97998	141.61069	287.51287	5.57839	0.0800766	0.26562049	2.3967809	21	10 3.7	18.7
170621 2003 YX_{51}	16.1	X	80.98156	328.42061	84.90085	4.15214	0.1305015	0.23170337	2.6253134	21	1 3.1	19.0
170622 2003 YJ_{55}	15.3	X	343.90328	11.75969	87.53229	13.01854	0.1550948	0.22448249	2.6813144	21	—	—
170623 2003 YJ_{57}	15.7	X	338.24103	278.41199	248.75952	12.75960	0.1017477	0.23271823	2.6176753	21	—	—
170624 2003 YK_{58}	15.9	X	355.48076	20.51007	101.23842	5.34954	0.1253618	0.22785100	2.6548221	21	—	—
170625 2003 YN_{61}	16.0	X	81.59303	40.56279	127.65949	1.46823	0.0671781	0.24726224	2.5139937	21	5 30.2	19.0
170626 2003 YD_{62}	16.2	X	93.86845	86.99390	293.28019	1.99257	0.2267555	0.23057887	2.6338420	21	—	—
170627 2003 YV_{62}	15.4	X	305.87605	33.39265	101.14179	10.54359	0.0812428	0.22034854	2.7147464	21	—	—
170628 2003 YL_{65}	15.5	X	344.30563	331.09249	111.58572	8.82725	0.1253722	0.21901984	2.7257148	21	—	—
170629 2003 YX_{65}	16.2	X	62.87404	169.75280	255.05271	1.72962	0.2140646	0.23203782	2.6227900	21	—	—
170630 2003 YQ_{68}	16.0	X	347.57081	5.08727	116.68837	6.66266	0.1448801	0.22423851	2.6832590	21	—	—
170631 2003 YX_{69}	15.7	X	23.94936	55.79403	113.58811	5.68993	0.1974754	0.24058927	2.5602668	21	3 2.5	17.8
170632 2003 YK_{70}	15.8	X	313.92550	350.38752	119.36324	9.65065	0.2584978	0.21819897	2.7325466	21	12 28.4	17.9
170633 2003 YT_{71}	15.9	X	182.70188	162.69978	320.72084	1.14367	0.1417632	0.20138047	2.8826449	21	8 2.2	20.6
170634 2003 YE_{72}	15.8	X	50.75625	303.59698	67.67644	6.96940	0.0264816	0.22195237	2.7016527	21	—	—
170635 2003 YC_{74}	16.2	X	173.04373	310.53697	47.40761	3.55735	0.0159721	0.23903125	2.5713800	21	2 6.8	19.6
170636 2003 YV_{75}	15.9	X	345.06951	180.92010	349.41505	3.14872	0.1294026	0.23247250	2.6195196	21	—	—
170637 2003 YA_{79}	15.6	X	302.72949	150.65890	288.38890	11.87763	0.1481931	0.21346291	2.7728163	21	10 23.9	19.0
170638 2003 YP_{80}	16.2	X	232.45870	142.04807	322.51618	5.76366	0.0789432	0.26048400	2.4281863	21	9 7.3	19.4
170639 2003 YQ_{89}	16.3	X	123.83668	70.21464	66.47960	2.86458	0.0563912	0.24806546	2.5085640	21	6 11.0	19.6
170640 2003 YO_{92}	15.5	X	46.30417	251.57666	62.27385	10.08819	0.1598854	0.21445450	2.7642625	21	11 9.4	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170641 2003 YF_{94}	15.4	X	47.29661	136.67369	82.96890	3.39696	0.0059096	0.19196964	2.9761011	21	6 14.6	19.6
170642 2003 YX_{95}	15.7	X	307.04219	267.16499	246.14832	10.42155	0.1422641	0.22543839	2.6737295	21	—	—
170643 2003 YN_{98}	15.5	X	239.80921	167.15768	142.05698	3.07600	0.1925539	0.24424834	2.5346323	21	2 16.1	19.5
170644 2003 YW_{107}	15.3	X	9.45134	103.26877	60.55387	11.01488	0.0515186	0.18107560	3.0943025	21	2 20.1	19.6
170645 2003 YU_{108}	16.3	X	20.47762	75.43926	40.97863	3.72313	0.0959829	0.23244063	2.6197590	21	—	—
170646 2003 YB_{112}	16.3	X	144.12714	27.87921	354.40004	4.84055	0.2176888	0.24098060	2.5574942	21	2 24.8	20.3
170647 2003 YA_{113}	15.3	X	305.44865	192.05818	298.78135	11.73910	0.1009189	0.22007717	2.7169776	21	—	—
170648 2003 YA_{114}	17.0	X	117.79838	52.33623	343.83454	6.06844	0.3656658	0.23963590	2.5670528	21	3 4.4	20.9
170649 2003 YC_{114}	17.0	X	48.59069	24.45839	98.29330	3.43997	0.1271274	0.23733510	2.5836166	21	2 11.0	19.6
170650 2003 YR_{114}	15.5	X	348.69445	352.99469	104.64139	15.85037	0.0366670	0.22183239	2.7026268	21	—	—
170651 2003 YT_{114}	15.9	X	63.43113	318.05582	100.33170	4.68845	0.1387981	0.22904704	2.6455720	21	—	—
170652 2003 YJ_{116}	16.0	X	188.72548	309.24945	85.71335	5.04977	0.2136026	0.24628651	2.5206292	21	4 20.2	20.2
170653 2003 YG_{119}	16.3	X	138.81500	351.07826	50.62718	6.48692	0.2158172	0.24103978	2.5570756	21	3 17.6	20.2
170654 2003 YT_{128}	15.7	X	294.77258	49.78185	68.77921	8.65906	0.1064413	0.21545736	2.7556782	21	12 12.9	18.8
170655 2003 YD_{129}	15.2	X	4.92167	309.63849	88.45733	14.78268	0.1566899	0.21578859	2.7528575	21	12 26.4	18.3
170656 2003 YR_{130}	16.2	X	73.56945	74.31654	20.25170	4.60754	0.1352814	0.23615296	2.5922315	21	2 17.4	19.0
170657 2003 YO_{132}	15.8	X	43.96745	341.87245	18.91201	9.16927	0.1493617	0.21806360	2.7336774	21	—	—
170658 2003 YJ_{134}	15.8	X	248.95503	96.45276	51.93719	10.72527	0.0568232	0.21308762	2.7760710	21	11 22.7	19.4
170659 2003 YL_{135}	16.1	X	22.97310	22.92759	50.98837	9.27874	0.2294412	0.22521816	2.6754722	21	—	—
170660 2003 YS_{137}	15.6	X	261.03234	21.67202	103.32803	10.33181	0.1171405	0.21107023	2.7937319	21	11 4.5	19.5
170661 2003 YV_{137}	15.7	X	184.70075	137.91861	80.82025	5.00894	0.0388179	0.21316838	2.7753698	21	12 5.9	19.6
170662 2003 YD_{141}	15.4	X	307.58154	82.57501	54.42815	13.82009	0.1260517	0.22204643	2.7008898	21	—	—
170663 2003 YF_{145}	15.5	X	165.06396	184.22303	25.11804	9.59019	0.0292835	0.20863454	2.8154333	21	10 31.1	19.6
170664 2003 YT_{145}	15.3	X	95.97813	305.85623	83.90469	15.91015	0.1726002	0.22834765	2.6509713	21	1 1.9	18.4
170665 2003 YU_{147}	15.9	X	14.21941	37.19477	33.82023	12.17236	0.1679164	0.22575271	2.6712471	21	—	—
170666 2003 YV_{151}	15.2	X	142.26826	61.99187	346.27365	12.59196	0.1874615	0.24012144	2.5635911	21	3 21.0	19.1
170667 2003 YR_{152}	15.5	X	58.47978	161.34843	110.09906	5.69267	0.1113601	0.20329278	2.8645391	21	9 24.5	19.4
170668 2003 YU_{155}	16.0	X	320.04160	267.64873	209.87151	6.52034	0.1581880	0.21930582	2.7233447	21	—	—
170669 2003 YH_{158}	15.9	X	71.59479	68.02571	320.12019	10.69305	0.1859291	0.23104652	2.6302867	21	—	—
170670 2003 YP_{166}	16.5	X	90.13608	183.84570	236.51492	3.01461	0.0946169	0.23343064	2.6123467	21	1 20.5	19.6
170671 2003 YX_{168}	15.5	X	333.03933	142.42064	313.24991	6.98608	0.0705317	0.22067818	2.7120423	21	—	—
170672 2003 YT_{170}	15.4	X	261.46930	114.66917	83.20932	12.44197	0.1390745	0.22224930	2.6992458	21	—	—
170673 2003 YG_{174}	16.1	X	259.97825	148.66308	96.21711	4.13175	0.1113740	0.23498937	2.6007817	21	—	—
170674 2003 YM_{174}	15.7	X	280.98524	68.08944	114.10158	4.69573	0.0295770	0.22475002	2.6791862	21	—	—
170675 2003 YS_{174}	16.0	X	96.09821	271.35372	316.88900	5.12331	0.1316538	0.25852785	2.4404195	21	9 17.8	19.5
170676 2003 YE_{180}	16.0	X	53.58961	151.52758	32.26889	4.55379	0.0303851	0.24396247	2.5366119	21	5 4.9	19.2
170677 2003 YP_{180}	15.5	X	154.32198	204.54545	2.86137	5.42291	0.2079725	0.20380515	2.8597361	21	10 16.9	20.4
170678 2003 YQ_{180}	16.4	X	237.53491	321.52470	160.74174	2.79719	0.1385433	0.20588990	2.8403990	21	9 25.9	20.4
170679 2004 AE_{1}	15.5	X	358.26474	228.78146	260.43619	10.64074	0.2214964	0.22508464	2.6765302	21	—	—
170680 2004 AX_{1}	15.8	X	294.00894	285.46465	183.09498	8.48931	0.1477511	0.21415876	2.7668067	21	11 25.4	19.0
170681 2004 AF_{3}	15.8	X	307.55251	154.95971	320.99633	10.49370	0.0778561	0.21753137	2.7381346	21	—	—
170682 2004 AM_{3}	16.0	X	324.96999	97.41127	336.79193	6.91395	0.2060289	0.21559751	2.7544838	21	11 30.9	18.7
170683 2004 AO_{4}	15.9	X	127.88093	105.20016	37.77754	5.10525	0.1354535	0.19215133	2.9742248	21	7 4.1	20.6
170684 2004 AO_{5}	16.8	X	255.93139	296.31742	152.24700	1.37341	0.1930272	0.26175077	2.4203457	21	8 31.4	20.0
170685 2004 AS_{8}	16.1	X	336.76532	265.76763	178.33175	9.00980	0.1921968	0.21762421	2.7373557	21	—	—
170686 2004 AK_{24}	15.9	X	309.47335	317.93020	128.11100	10.49443	0.1648087	0.21452185	2.7636838	21	11 22.4	19.0
170687 2004 AV_{24}	16.1	X	18.83931	12.91941	13.89903	3.45435	0.0897002	0.21601957	2.7508948	21	12 23.8	19.5
170688 2004 BJ_{1}	16.4	X	11.12362	336.17984	271.46463	4.04053	0.0664344	0.24620614	2.5211777	21	6 1.3	19.2
170689 2004 BN_{2}	15.6	X	178.80948	102.78599	301.05697	8.25522	0.2457926	0.18962780	3.0005535	21	4 21.4	21.0
170690 2004 BX_{3}	16.5	X	239.26917	338.85518	78.10293	3.78920	0.1505776	0.25517383	2.4617576	21	7 5.0	19.9
170691 2004 BN_{4}	16.3	X	270.31910	8.23973	94.38071	2.91616	0.0886969	0.20864933	2.8153003	21	10 20.1	20.0
170692 2004 BV_{9}	15.3	X	333.44103	215.33841	340.07230	3.84287	0.1169461	0.17312478	3.1883297	21	1 30.9	19.4
170693 2004 BR_{10}	15.6	X	58.78749	160.70420	248.87045	13.03009	0.2089403	0.22695611	2.6617962	21	—	—
170694 2004 BW_{14}	16.3	X	245.32164	93.30171	318.57409	1.48584	0.2020167	0.25655082	2.4529410	21	6 29.2	19.9
170695 2004 BB_{16}	15.9	X	85.92939	328.19998	87.38487	6.39783	0.2381383	0.23080760	2.6321016	21	2 1.1	18.7
170696 2004 BY_{18}	15.3	X	341.06487	195.68471	262.62129	8.76265	0.2070031	0.21946043	2.7220654	21	—	—
170697 2004 BT_{20}	15.7	X	154.87867	8.02110	73.69857	3.02310	0.0884475	0.18866986	3.0107015	21	5 13.1	20.3
170698 2004 BD_{23}	15.6	X	61.89337	132.90169	123.60541	3.36549	0.0548780	0.19777350	2.9175881	21	8 29.6	19.5
170699 2004 BL_{23}	16.1	X	173.61346	193.79498	328.75042	1.15066	0.1115002	0.20011480	2.8947867	21	9 10.9	20.7
170700 2004 BY_{23}	17.0	X	140.83892	224.38496	297.71449	1.38309	0.1391980	0.25289577	2.4765190	21	8 11.9	20.8
170701 2004 BX_{24}	16.2	X	258.80956	215.55448	196.28584	1.45997	0.0483114	0.19905476	2.9050548	21	8 2.9	20.3
170702 2004 BJ_{25}	15.2	X	3.81400	79.15199	298.73770	10.54234	0.1141722	0.21202686	2.7853223	21	11 19.6	18.7
170703 2004 BB_{26}	16.1	X	17.71123	268.44596	158.76920	14.16702	0.0583318	0.22095151	2.7098051	21	—	—
170704 2004 BP_{29}	16.6	X	30.90008	15.22385	66.55973	2.26511	0.1875834	0.22505599	2.6767574	21	—	—
170705 2004 BC_{30}	15.5	X	81.04216	52.33309	85.73725	2.78993	0.1267108	0.18235769	3.0797821	21	5 3.0	19.6
170706 2004 BA_{31}	15.3	X	184.71262	316.14650	134.27062	12.00552	0.0616754	0.19181093	2.9777426	21	6 24.9	19.9
170707 2004 BU_{31}	16.0	X	347.33316	303.56651	90.51184	5.14507	0.1020289	0.21223673	2.7834858	21	11 17.1	19.2
170708 2004 BD_{32}	15.4	X	312.46966	199.55857	85.96587	3.65573	0.0417276	0.18699355	3.0286677	21	5 3.5	19.5
170709 2004 BJ_{37}	16.2	X	212.50304	55.80286	4.63736	1.82354	0.0216314	0.19248356	2.9708014	21	6 20.3	20.4
170710 2004 BC_{38}	15.2	X	188.33442	159.36844	336.02585	7.31409	0.1761398	0.19770433	2.9182686	21	8 21.7	20.1
170711 2004 BD_{40}	15.7	X	347.79246	118.33805	294.61734	3.00892	0.0953056	0.21384893	2.7694785	21	12 11.5	19.1
170712 2004 BV_{42}	14.7	X	356.15466	220.48356	328.51635	12.01781	0.0987464	0.17464651	3.1697824	21	2 24.5	18.8
170713 2004 BK_{43}	16.0	X	336.75398	93.22818	75.61703	3.12474	0.0629453	0.22649034	2.6654442	21	—	—
170714 2004 BU_{43}	15.7	X	81.41575	78.27861	329.61383	10.42636	0.3050166	0.22960750	2.6412652	21	1 25.8	18.3
170715 2004 BQ_{46}	15.1	X	139.78202	322.66806	145.40226	7.21671	0.0898230	0.18842298	3.0133308	21	5 30.9	19.7
170716 2004 BF_{48}	15.0	X	246.19464	108.68377	129.01168	8.69847	0.0375101	0.16933912	3.2356721	21	—	—
170717 2004 BH_{48}	15.8	X	14.17780	260.56457	125.71924	7.24405	0.0136357	0.21390804	2.7689683	21	12 8.0	19.6
170718 2004 BM_{48}	15.7	X	106.64117	185.92851	121.46858	4.19533	0.0971012	0.21614174	2.7498581	21	12 30.1	19.9
170719 2004 BY_{49}	16.1	X	331.04230	255.14435	118.23945	3.19577	0.0640876	0.20507796	2.8478912	21	9 23.5	19.6
170720 2004 BF_{50}	16.1	X	252.75389	144.74804	322.65259	1.12201	0.0250217	0.20658925	2.8339851	21	10 10.4	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170721 2004 BS_{50}	15.7	X	288.94569	331.65305	135.84913	7.14051	0.1874553	0.21296125	2.7771691	21	11 10.9	19.0
170722 2004 BJ_{55}	16.2	X	336.38425	294.75436	126.98413	5.24368	0.0626288	0.21264859	2.7798906	21	12 4.7	19.6
170723 2004 BQ_{57}	15.2	X	173.46481	167.43769	272.44062	9.80736	0.0278113	0.18974436	2.9993246	21	5 27.8	19.5
170724 2004 BH_{59}	16.2	X	101.35130	184.97326	284.95498	10.38769	0.0885641	0.23922296	2.5700060	21	4 5.3	19.9
170725 2004 BB_{72}	15.1	X	141.32454	103.79840	271.35938	9.92662	0.3546833	0.23639549	2.5904582	21	2 21.4	19.7
170726 2004 BN_{73}	15.5	X	22.89528	342.84980	250.05831	1.78987	0.0149325	0.18856002	3.0118705	21	5 31.3	19.6
170727 2004 BU_{73}	15.0	X	5.80012	66.44885	129.41154	6.24144	0.1173940	0.17808942	3.1287963	21	3 22.1	18.8
170728 2004 BG_{74}	15.7	X	230.08441	213.16431	212.88783	0.96252	0.0510099	0.19569132	2.9382472	21	7 16.4	19.8
170729 2004 BR_{75}	15.4	X	244.95505	281.98784	105.85496	10.34721	0.0651504	0.19168221	2.9790755	21	6 14.2	19.8
170730 2004 BO_{79}	15.1	X	106.02072	288.25796	229.74782	9.03263	0.0417752	0.18883299	3.0089673	21	6 16.2	19.3
170731 2004 BK_{83}	15.1	X	172.49374	129.58220	257.53284	25.04499	0.2920396	0.24252646	2.5466150	21	3 19.3	20.2
170732 2004 BC_{90}	15.2	X	92.16971	209.13141	291.64401	9.96217	0.1047820	0.18294978	3.0731337	21	5 14.8	19.7
170733 2004 BL_{90}	14.9	X	326.97012	262.87057	296.68297	6.33342	0.1003583	0.17260819	3.1946879	21	1 28.3	19.1
170734 2004 BO_{91}	16.2	X	113.59706	282.43863	146.71461	12.93845	0.2363367	0.23651178	2.5896090	21	3 29.3	20.0
170735 2004 BO_{92}	15.2	X	332.63504	302.91458	271.12638	11.69564	0.1553306	0.23227122	2.6210328	21	1 30.5	18.6
170736 2004 BV_{92}	15.9	X	29.13409	253.66118	211.20979	7.07897	0.1898937	0.22752469	2.6573598	21	—	—
170737 2004 BC_{95}	16.2	X	6.59169	250.61197	205.80151	12.58091	0.2474256	0.22294307	2.6936432	21	—	—
170738 2004 BM_{98}	15.4	X	180.66971	209.98079	167.10370	10.81792	0.0885490	0.17567547	3.1573930	21	3 24.1	20.3
170739 2004 BU_{103}	14.9	X	83.54326	204.25958	355.23465	9.09390	0.0579019	0.19051780	2.9912015	21	7 16.1	19.1
170740 2004 BE_{105}	16.5	X	165.91726	299.66191	249.95950	1.42670	0.1274035	0.25982768	2.4322737	21	10 11.6	20.3
170741 2004 BM_{105}	15.2	X	255.31474	230.74768	139.50906	11.83264	0.0327010	0.19033311	2.9931362	21	6 9.6	19.6
170742 2004 BF_{106}	15.3	X	268.75470	183.25727	337.87270	6.84909	0.2278127	0.21496246	2.7599060	21	12 10.5	18.8
170743 2004 BZ_{106}	15.8	X	98.76180	183.94151	102.68270	5.50621	0.0372521	0.21076152	2.7964592	21	11 21.4	19.8
170744 2004 BH_{107}	15.9	X	160.49021	342.29961	67.37671	6.79673	0.2612883	0.24224489	2.5485880	21	4 17.9	20.2
170745 2004 BR_{113}	15.8	X	353.12537	74.37792	16.36197	7.91259	0.2656929	0.22065560	2.7122272	21	—	—
170746 2004 BW_{116}	15.2	X	89.48792	186.75131	350.03529	11.09745	0.0217860	0.19049796	2.9914092	21	6 16.0	19.5
170747 2004 BV_{125}	16.5	X	308.15259	18.24533	18.40986	2.15526	0.1007897	0.20592819	2.8400469	21	9 15.4	19.8
170748 2004 BC_{131}	15.8	X	315.94533	200.19938	155.78092	2.54817	0.0930405	0.20027751	2.8932187	21	8 2.5	19.5
170749 2004 BT_{139}	16.1	X	205.10216	253.88526	329.14424	2.06885	0.0701008	0.21576922	2.7530223	21	12 31.9	20.1
170750 2004 BR_{147}	15.8	X	291.28899	327.28970	114.42198	2.95226	0.0718553	0.21166446	2.7885007	21	10 25.1	19.2
170751 2004 BC_{163}	15.9	X	284.62063	296.68713	141.79181	2.69211	0.0327422	0.20593130	2.8400183	21	10 15.4	19.6
170752 2004 CX_{1}	15.9	X	138.42009	181.66046	41.94069	3.26021	0.1549314	0.25905810	2.4370883	21	10 28.6	19.7
170753 2004 CW_{4}	15.9	X	208.53993	128.83573	58.52984	4.58105	0.0355210	0.21001538	2.8030789	21	11 24.8	19.7
170754 2004 CF_{8}	15.1	X	7.96777	111.77384	79.34224	10.75283	0.0313862	0.17790073	3.1310083	21	3 26.0	19.5
170755 2004 CF_{17}	15.8	X	318.66885	142.82171	136.59022	7.12077	0.0767572	0.23978445	2.5659924	21	4 26.1	19.0
170756 2004 CS_{18}	16.1	X	330.36385	52.01420	47.43562	5.32398	0.1288725	0.21660233	2.7459585	21	—	—
170757 2004 CH_{19}	16.3	X	240.31441	161.87598	288.47826	1.03414	0.0277193	0.20164060	2.8801652	21	9 1.7	20.4
170758 2004 CA_{24}	15.5	X	230.03874	306.96837	180.89101	15.20581	0.0891241	0.20462702	2.8520736	21	9 30.5	19.6
170759 2004 CW_{24}	15.4	X	3.60333	305.46968	304.15175	10.09716	0.0127217	0.18575769	3.0420862	21	5 25.7	19.8
170760 2004 CL_{25}	16.1	X	314.86666	272.96509	120.71779	7.42805	0.0720210	0.20485994	2.8499113	21	9 27.5	19.7
170761 2004 CF_{27}	15.1	X	317.50804	126.13562	142.69618	10.76604	0.0495922	0.18102793	3.0948456	21	4 21.4	19.4
170762 2004 CJ_{42}	16.4	X	159.03173	343.28564	115.46715	6.00036	0.1320944	0.24593189	2.5230517	21	6 8.8	20.2
170763 2004 CB_{43}	14.9	X	135.82918	93.37582	347.54037	15.49876	0.0611432	0.18177870	3.0863184	21	4 12.3	19.6
170764 2004 CM_{51}	15.4	X	6.59169	4.56905	81.46132	9.43968	0.1166236	0.22054515	2.7131327	21	—	—
170765 2004 CN_{57}	15.4	X	165.65475	355.31898	96.40619	12.22370	0.0801055	0.18989733	2.9977136	21	6 6.5	19.9
170766 2004 CM_{66}	15.3	X	318.17832	196.74639	82.50479	8.28878	0.0413822	0.18482419	3.0523208	21	5 4.7	19.5
170767 2004 CA_{68}	15.2	X	352.16662	170.07747	43.49760	5.72901	0.0868354	0.17786496	3.1314281	21	3 25.3	19.2
170768 2004 CJ_{68}	15.8	X	306.09068	170.27622	250.16166	2.68954	0.1037179	0.20938111	2.8087369	21	10 12.8	19.3
170769 2004 CT_{68}	16.8	X	94.03912	45.20697	24.11726	4.78695	0.2039230	0.23333900	2.6130306	21	2 26.6	19.9
170770 2004 CV_{73}	15.2	X	306.01380	160.97929	104.87021	9.27948	0.1356622	0.17979650	3.1089606	21	3 21.9	19.6
170771 2004 CW_{73}	15.3	X	122.70475	56.88327	100.78604	7.06476	0.0079853	0.19263530	2.9692411	21	7 2.7	19.5
170772 2004 CB_{74}	14.9	X	12.19978	131.64460	60.32569	11.16511	0.1694410	0.17561348	3.1581359	21	3 30.4	18.5
170773 2004 CB_{78}	15.4	X	77.81698	93.80414	85.96726	2.86599	0.0908466	0.18606317	3.0387556	21	6 15.4	19.3
170774 2004 CL_{78}	16.4	X	165.16183	310.05580	129.29975	5.16574	0.1679366	0.24461693	2.5320855	21	5 23.2	20.5
170775 2004 CY_{83}	15.8	X	234.20953	249.89992	158.94762	4.00378	0.0240056	0.19150936	2.9808678	21	7 2.1	20.1
170776 2004 CA_{95}	15.4	X	169.36872	127.09206	335.74391	8.48743	0.0994191	0.18940756	3.0028790	21	6 24.4	20.2
170777 2004 CB_{96}	15.2	X	42.98866	194.86853	321.75235	4.26526	0.1010193	0.17735573	3.1374193	21	3 26.7	19.3
170778 2004 CP_{96}	15.5	X	71.91099	359.18100	49.57700	15.43153	0.2425689	0.22976769	2.6400374	21	—	—
170779 2004 CD_{98}	15.1	X	95.37247	121.99421	45.54001	13.17030	0.0466784	0.18844378	3.0131090	21	6 14.3	19.5
170780 2004 CU_{101}	15.8	X	37.32152	186.96460	242.86140	11.17647	0.2110567	0.22482206	2.6786138	21	—	—
170781 2004 CL_{103}	15.3	X	44.60187	325.56715	255.73677	7.05385	0.0593210	0.18634083	3.0357362	21	6 18.9	19.2
170782 2004 CG_{104}	15.4	X	58.58259	333.14165	191.21462	17.09493	0.1457494	0.18123139	3.0925289	21	5 8.9	19.4
170783 2004 CT_{105}	15.5	X	189.38001	175.74081	262.92351	10.31627	0.1325414	0.19064300	2.9898918	21	6 13.9	20.3
170784 2004 CK_{106}	15.1	X	9.76130	337.74256	188.44227	16.48812	0.1540175	0.17283398	3.1919051	21	2 11.7	19.1
170785 2004 CH_{112}	15.1	X	214.60473	250.54021	110.10470	12.44183	0.0994040	0.18376431	3.0640460	21	4 11.3	20.0
170786 2004 CK_{113}	15.8	X	295.96076	145.57197	89.01640	10.98917	0.0692416	0.23101992	2.6304886	21	1 27.6	19.4
170787 2004 CM_{116}	15.3	X	1.76270	236.42456	9.50079	3.41121	0.0922520	0.18588839	3.0406601	21	5 17.5	18.9
170788 2004 CC_{121}	15.9	X	0.78631	165.03178	166.03858	1.81338	0.0427990	0.19897182	2.9058621	21	9 8.9	19.7
170789 2004 DD_{2}	15.8	X	269.29042	305.35477	188.88678	11.52194	0.1030013	0.21164415	2.7886791	21	11 26.9	19.5
170790 2004 DY_{4}	15.0	X	8.82523	177.88541	24.74328	15.68961	0.1282799	0.17615972	3.1516040	21	4 4.8	18.8
170791 2004 DZ_{6}	16.1	X	90.90716	179.75019	308.40926	3.10863	0.0406391	0.23711751	2.5851969	21	4 12.5	19.5
170792 2004 DL_{10}	15.4	X	226.49655	169.11138	259.66740	3.62862	0.1206473	0.19494142	2.9457777	21	7 8.9	19.9
170793 2004 DY_{11}	15.6	X	149.62236	64.22353	101.99820	3.10434	0.0349817	0.19590836	2.9360768	21	8 20.1	19.8
170794 2004 DB_{12}	15.4	X	286.37616	283.71618	261.99635	8.75890	0.1805325	0.22095295	2.7097934	21	—	—
170795 2004 DF_{14}	15.2	X	62.54464	156.32314	356.99767	8.25586	0.1896183	0.17849543	3.1240501	21	5 2.2	19.2
170796 2004 DA_{20}	16.0	X	283.72072	266.87667	220.24346	11.04443	0.0688107	0.21238334	2.7822047	21	12 11.2	19.7
170797 2004 DV_{21}	15.6	X	282.81925	268.83260	279.95317	7.71384	0.1371935	0.21738972	2.7393239	21	—	—
170798 2004 DH_{22}	15.0	X	103.44514	151.60057	3.02130	12.87569	0.2237613	0.18374979	3.0642073	21	7 4.2	20.0
170799 2004 DG_{24}	15.1	X	329.95614	141.69888	87.35600	2.57703	0.1840871	0.17276905	3.1927047	21	2 27.7	19.0
170800 2004 DB_{28}	15.5	X	301.40536	151.17545	87.73173	1.42951	0.1351420	0.17082882	3.2168337	21	2 9.1	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170801 2004 DF_{29}	15.5	X	278.91806	36.38984	15.58379	2.18775	0.0301610	0.19811283	2.9142557	21	9 2.5	19.5
170802 2004 DP_{29}	15.8	X	280.20572	309.83531	131.25551	2.98671	0.0339813	0.20318965	2.8655083	21	10 12.6	19.7
170803 2004 DY_{29}	15.1	X	210.66269	87.59158	337.61138	14.55823	0.0621152	0.19101846	2.9859726	21	6 22.7	19.8
170804 2004 DW_{30}	15.3	X	321.28245	246.29207	346.63701	6.37869	0.1072624	0.17507602	3.1645960	21	3 1.9	19.5
170805 2004 DW_{35}	15.2	X	164.10255	157.09914	301.48192	9.13042	0.0726231	0.18798213	3.0180401	21	6 11.9	19.8
170806 2004 DX_{36}	15.2	X	121.07109	316.61934	149.44744	6.21473	0.0684211	0.18048904	3.1010028	21	5 5.7	19.8
170807 2004 DP_{37}	14.9	X	352.69259	83.65267	162.15908	15.61897	0.0054669	0.18071536	3.0984132	21	5 12.6	19.5
170808 2004 DD_{38}	15.1	X	68.51362	236.64734	298.28260	8.02672	0.0374489	0.18273550	3.0755357	21	5 18.1	19.4
170809 2004 DB_{49}	15.4	X	124.21350	358.66364	174.74172	9.63050	0.1173886	0.18970314	2.9997591	21	8 3.6	20.1
170810 2004 DU_{51}	15.1	X	30.16876	14.48027	143.34428	6.53171	0.0635391	0.17305133	3.1892318	21	3 11.0	19.2
170811 2004 DY_{51}	15.1	X	168.72528	303.86645	154.97354	11.15155	0.0761316	0.18656254	3.0333306	21	6 18.4	19.8
170812 2004 DT_{65}	15.8	X	33.24811	233.11130	88.81408	3.13782	0.0781902	0.20456324	2.8526664	21	10 19.3	19.5
170813 2004 DW_{71}	15.1	X	223.37979	323.66708	338.73283	10.25021	0.0426063	0.16945865	3.2341505	21	2 9.9	19.9
170814 2004 DO_{75}	16.0	X	189.54624	40.61894	271.27468	1.99938	0.0676512	0.22423033	2.6833242	21	1 4.9	20.0
170815 2004 EE_{2}	15.8	X	43.47203	77.82858	121.61200	7.47174	0.1593366	0.17910612	3.1169447	21	6 1.7	19.6
170816 2004 EC_{3}	15.2	X	170.05658	19.52985	45.57753	12.12729	0.0579610	0.18321509	3.0701662	21	5 7.1	19.6
170817 2004 EV_{4}	15.8	X	186.06938	346.79053	158.68034	2.41322	0.0818179	0.19612093	2.9339548	21	9 3.4	20.0
170818 2004 EL_{5}	15.5	X	104.10862	66.03253	35.73716	1.69074	0.0255630	0.17608715	3.1524698	21	4 2.5	19.9
170819 2004 EU_{10}	15.1	X	33.12165	125.25023	106.40896	2.55168	0.0913375	0.18327012	3.0695516	21	6 19.1	18.9
170820 2004 ER_{12}	15.4	X	333.88735	52.20646	168.25786	0.57881	0.1196460	0.17265093	3.1941608	21	3 2.3	19.5
170821 2004 EA_{13}	16.0	X	160.08512	60.94876	90.04604	1.24600	0.1117442	0.19260854	2.9695161	21	8 14.4	20.5
170822 2004 EB_{13}	15.1	X	121.06535	279.55018	156.40569	12.15886	0.1269607	0.17723515	3.1388422	21	4 6.9	19.8
170823 2004 EO_{14}	15.5	X	217.37131	160.57823	76.12031	6.05177	0.0992227	0.21287062	2.7779573	21	—	—
170824 2004 EO_{34}	15.9	X	169.06212	157.08291	348.95465	2.32655	0.0760579	0.19265400	2.9690490	21	8 17.1	20.3
170825 2004 EE_{37}	15.1	X	145.48619	113.39313	47.99533	14.54243	0.1228911	0.18942925	3.0026499	21	8 19.4	20.1
170826 2004 EM_{57}	15.5	X	18.04321	88.59833	168.58373	2.13607	0.0818557	0.18691875	3.0294756	21	6 28.8	19.2
170827 2004 EG_{59}	15.6	X	76.25089	174.23222	38.23656	4.31531	0.1160517	0.18732431	3.0251015	21	7 31.4	19.8
170828 2004 EY_{61}	16.3	X	166.55756	247.55472	228.54683	0.59003	0.1992549	0.19042690	2.9921534	21	7 9.8	21.3
170829 2004 EL_{63}	15.1	X	329.68615	38.23595	195.40027	4.71638	0.0764640	0.17336837	3.1853425	21	3 17.3	19.2
170830 2004 ET_{66}	15.7	X	210.81748	119.97081	4.11007	6.05004	0.2424663	0.19676755	2.9275236	21	8 25.0	20.6
170831 2004 EK_{67}	15.4	X	207.37009	170.82641	175.26102	8.46953	0.0652115	0.17403780	3.1771691	21	3 13.3	20.2
170832 2004 EF_{75}	15.1	X	124.72867	251.04516	211.55129	11.89391	0.1504687	0.18048629	3.1010343	21	5 13.7	19.9
170833 2004 EP_{84}	16.4	X	54.92437	314.59329	245.52609	2.69080	0.0557146	0.24286513	2.5442470	21	6 2.8	19.5
170834 2004 EY_{85}	15.9	X	251.80130	110.19090	97.10877	4.89221	0.0465495	0.21445443	2.7642630	21	—	—
170835 2004 EH_{108}	15.9	X	260.84456	68.69093	263.31244	0.98552	0.0767599	0.17965513	3.1105914	21	4 21.6	20.4
170836 2004 FK_{17}	14.9	X	140.80926	329.19471	113.21730	12.87665	0.0130294	0.17849823	3.1240173	21	4 27.1	19.6
170837 2004 FO_{20}	15.5	X	144.41240	324.46364	189.35591	9.35550	0.1135311	0.18900276	3.0071652	21	7 30.4	20.3
170838 2004 FO_{24}	14.8	X	43.00675	333.18957	238.51973	10.59909	0.1321350	0.18197194	3.0841330	21	6 12.4	18.6
170839 2004 FP_{34}	15.1	X	28.71540	353.91106	206.53538	9.88236	0.0547267	0.17909835	3.1170349	21	4 30.3	19.1
170840 2004 FM_{38}	15.0	X	157.47647	185.91478	322.30045	7.09015	0.0878075	0.19005737	2.9960306	21	8 7.5	19.5
170841 2004 FQ_{46}	15.5	X	341.42292	276.50836	307.71457	3.46213	0.1197558	0.17194823	3.2028572	21	3 16.7	19.7
170842 2004 FC_{49}	15.5	X	153.10936	264.59710	196.94493	9.03838	0.1131544	0.18532245	3.0468474	21	6 6.9	20.3
170843 2004 FU_{51}	15.3	X	198.91184	286.88546	153.73519	11.46577	0.1464697	0.19145674	2.9814140	21	6 25.4	20.2
170844 2004 FK_{52}	15.5	X	63.33914	27.10142	92.79542	2.90953	0.0830590	0.17218291	3.1999463	21	3 12.5	19.7
170845 2004 FK_{65}	15.5	X	118.64079	28.39016	128.45738	2.73425	0.1973909	0.18523863	3.0477664	21	7 17.3	20.2
170846 2004 FR_{76}	15.8	X	168.70333	320.38774	177.13778	11.51906	0.0415944	0.19182432	2.9776040	21	8 2.9	20.4
170847 2004 FX_{81}	15.0	X	257.93615	285.15938	113.12044	10.40188	0.0711018	0.19130790	2.9829601	21	7 12.1	19.2
170848 2004 FR_{82}	15.1	X	199.66406	223.85378	126.48552	11.39820	0.1101961	0.17375475	3.1806186	21	3 13.8	20.2
170849 2004 FA_{92}	14.5	X	50.91018	99.54582	32.58403	21.45799	0.0641483	0.17180941	3.2045822	21	3 17.7	19.1
170850 2004 FV_{92}	15.6	X	355.23137	207.96277	346.11320	0.67189	0.1087886	0.17057070	3.2200783	21	3 2.6	19.6
170851 2004 FA_{103}	16.1	X	214.01584	226.70179	165.75374	1.28218	0.0627327	0.18313415	3.0710707	21	5 15.6	20.8
170852 2004 FE_{105}	15.1	X	334.52050	193.33537	18.03532	2.57628	0.0492696	0.16925391	3.2367581	21	3 1.7	19.5
170853 2004 FJ_{109}	14.9	X	75.47470	325.77460	188.90780	12.85412	0.0532942	0.17750994	3.1356020	21	5 7.7	19.3
170854 2004 FX_{115}	15.3	X	53.81010	133.63398	56.28190	11.07241	0.0354048	0.18018291	3.1045142	21	5 19.2	19.4
170855 2004 FK_{116}	15.6	X	245.39401	84.31343	30.26848	22.94334	0.2510511	0.20216825	2.8751516	21	9 21.6	20.3
170856 2004 FB_{118}	15.9	X	261.38902	24.87105	83.45747	3.23640	0.0119292	0.20032090	2.8928009	21	10 25.4	19.8
170857 2004 FZ_{120}	15.1	X	9.41470	65.83324	139.61616	7.98314	0.0883152	0.17379390	3.1801410	21	4 11.7	19.2
170858 2004 FE_{121}	14.9	X	129.17349	44.49388	47.75432	18.43429	0.1045438	0.17694746	3.1422434	21	5 1.6	19.6
170859 2004 FP_{131}	15.0	X	90.27893	107.04006	27.03614	10.18982	0.1884877	0.17750665	3.1356407	21	5 16.5	19.4
170860 2004 FG_{140}	15.4	X	79.64244	194.32503	289.92806	9.22623	0.1862308	0.23516688	2.5994728	21	4 10.4	18.7
170861 2004 GU_{1}	15.4	X	122.66197	278.53987	212.91789	13.37967	0.1817818	0.18217883	3.0817976	21	6 17.9	20.4
170862 2004 GZ_{7}	15.6	X	125.78641	277.37965	205.69554	13.25838	0.1859365	0.18216132	3.0819950	21	6 11.6	20.6
170863 2004 GD_{13}	15.4	X	18.77198	318.44529	261.53306	3.05478	0.1453532	0.17554506	3.1589564	21	5 13.3	19.1
170864 2004 GA_{30}	15.4	X	59.14715	85.90812	46.75742	5.75771	0.1285221	0.17177953	3.2049538	21	3 28.6	19.4
170865 2004 GJ_{31}	15.7	X	88.62829	20.03571	140.17422	1.33208	0.1023217	0.17958356	3.1114178	21	6 6.3	19.9
170866 2004 GL_{33}	15.9	X	316.05786	291.56730	224.89560	1.02526	0.0264461	0.21467778	2.7623454	21	—	—
170867 2004 GB_{38}	15.2	X	61.97891	82.33338	78.21677	14.11938	0.2512894	0.17439279	3.1728560	21	5 25.4	19.2
170868 2004 GF_{41}	15.3	X	178.50590	161.83295	312.57493	14.59968	0.1931310	0.18923534	3.0047007	21	7 19.4	20.4
170869 2004 GP_{44}	14.8	X	95.84293	63.18195	9.71344	19.40045	0.0301850	0.16881426	3.2423753	21	2 25.5	19.6
170870 2004 HA_{4}	14.9	X	67.53448	121.55792	75.86093	10.42131	0.0556957	0.18086374	3.0967184	21	6 19.1	19.1
170871 2004 HG_{9}	15.7	X	28.92221	178.52051	0.27582	5.58130	0.1506349	0.17223382	3.1993157	21	4 6.3	19.2
170872 2004 HK_{9}	15.7	X	258.43093	301.51348	352.48707	11.65838	0.1006275	0.22559485	2.6724931	21	2 25.6	19.6
170873 2004 HP_{28}	15.1	X	25.09102	139.17166	56.14417	20.83717	0.1362978	0.17225259	3.1990833	21	4 27.4	19.0
170874 2004 HS_{37}	15.2	X	320.70184	93.12422	73.99611	14.90635	0.1865050	0.21886935	2.7269640	21	—	—
170875 2004 HD_{39}	14.4	X	46.48628	300.77416	232.32409	25.56997	0.2395425	0.17599249	3.1536001	21	5 11.9	17.9
170876 2004 HP_{58}	16.2	X	21.77086	166.70685	329.44778	0.91604	0.0431512	0.22393213	2.6857059	21	1 19.5	19.5
170877 2004 JM_{17}	15.3	X	112.27078	93.52222	43.39191	8.29069	0.2532167	0.17972669	3.1097657	21	6 21.9	20.4
170878 2004 LN_{3}	15.9	X	287.71387	181.20274	97.48830	9.81300	0.2046898	0.22196839	2.7015227	21	2 28.5	20.0
170879 Verbeeckje	15.0	X	55.37161	158.22217	135.13124	10.28424	0.1127753	0.18785329	3.0194199	21	10 18.2	19.3
170880 2004 PH_{85}	16.8	X	66.62959	193.47058	148.98575	4.73966	0.2623998	0.30188845	2.2007551	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170881 2004 PG_{101}	16.5	X	78.85117	332.71203	326.90719	7.11801	0.1593672	0.29865358	2.2166182	21	12 10.6	19.8
170882 2004 PZ_{102}	16.5	X	15.53274	23.99398	320.05764	6.18416	0.1340440	0.29332293	2.2433930	21	11 12.1	18.8
170883 2004 QL_{22}	16.6	X	107.27339	63.86138	224.13818	19.79264	0.0575929	0.36030042	1.9559581	21	12 29.4	19.3
170884 2004 RP_{66}	14.5	X	221.05391	141.05943	0.48347	17.47905	0.0560376	0.17607135	3.1526584	21	10 4.6	19.1
170885 2004 RH_{79}	16.2	X	268.73367	186.40584	209.71084	6.10776	0.1089006	0.28158357	2.3053198	21	7 17.4	19.1
170886 2004 RS_{248}	16.6	X	107.01747	50.59173	244.82794	18.90569	0.0608122	0.35884456	1.9612448	21	—	—
170887 2004 RD_{249}	16.6	X	46.35864	62.57517	233.15557	20.83674	0.0643855	0.34898376	1.9980173	21	10 16.9	18.9
170888 2004 RK_{249}	16.5	X	86.37435	82.81430	292.78294	18.72839	0.1410142	0.36444662	1.9410949	21	—	—
170889 2004 RY_{329}	17.1	X	8.43068	72.22626	58.40016	23.49363	0.0236418	0.37292225	1.9115714	21	—	—
170890 2004 SA_{46}	16.6	X	79.78307	84.39434	205.53473	6.39617	0.1253184	0.29600327	2.2298298	21	11 26.5	19.6
170891 2004 TY_{16}	17.0	X	281.62459	177.47147	329.86167	8.15619	0.4058178	0.35320999	1.9820475	21	—	—
170892 2004 TS_{52}	18.0	X	153.55200	344.23352	27.36577	3.62863	0.0396952	0.31617321	2.1339587	21	1 17.1	20.3
170893 2004 TC_{54}	16.9	X	160.31746	214.42073	36.14612	5.62740	0.0626188	0.29763727	2.2216613	21	—	—
170894 2004 TH_{298}	17.0	X	19.02066	138.87877	182.63635	2.64571	0.1842378	0.28967231	2.2622021	21	10 26.3	18.9
170895 2004 TL_{343}	16.9	X	322.40531	147.49595	212.83293	3.35133	0.1192222	0.28366324	2.2940384	21	8 22.1	19.1
170896 2004 TW_{356}	17.0	X	255.35191	148.06724	47.77112	22.42316	0.0571761	0.36547206	1.9374623	21	—	—
170897 2004 UX_{7}	17.0	X	312.03214	56.95352	323.03528	1.99211	0.1063169	0.28443251	2.2899002	21	9 5.1	19.0
170898 2004 VC_{25}	17.7	X	8.15078	189.65201	229.97183	3.36202	0.1678260	0.29790035	2.2203531	21	—	—
170899 2004 VR_{48}	17.2	X	43.84166	147.43559	131.35252	4.38353	0.1657190	0.28282273	2.2985812	21	10 1.0	19.7
170900 Jendrassik	17.4	X	12.16394	141.21061	264.94589	4.31587	0.1033710	0.29612109	2.2292383	21	—	—
170901 2004 VP_{84}	16.8	X	196.31005	30.16034	197.67933	5.31462	0.1241650	0.29835956	2.2180742	21	—	—
170902 2004 VL_{112}	17.1	X	160.26019	355.90428	318.66214	4.25270	0.1741467	0.30972606	2.1634700	21	—	—
170903 2004 WS_{2}	18.0	X	222.38630	115.34242	87.74528	8.26279	0.6031173	0.63800719	1.3363462	21	—	—
170904 2004 XW_{19}	17.0	X	69.18489	98.89488	269.24217	4.75687	0.1752114	0.30012134	2.2093853	21	—	—
170905 2004 XJ_{31}	16.9	X	262.58088	357.15009	103.05605	1.86941	0.1605186	0.28193842	2.3033850	21	10 4.3	19.3
170906 Coluche	16.9	X	41.48943	148.34291	274.64558	1.55422	0.1361578	0.29965438	2.2116800	21	—	—
170907 2004 XK_{48}	16.2	X	123.39942	296.10711	249.67842	5.55373	0.0657244	0.27323645	2.3520342	21	8 16.9	19.4
170908 2004 XK_{61}	16.5	X	110.61591	30.52605	313.93163	5.64572	0.3105709	0.30361453	2.1924061	21	—	—
170909 Bobmasterson	16.8	X	353.91999	122.09197	289.18558	5.66001	0.0609930	0.28868275	2.2673688	21	—	—
170910 2004 XE_{69}	16.8	X	10.80283	35.81741	40.92888	5.30229	0.1592615	0.29522424	2.2337507	21	—	—
170911 2004 XH_{97}	16.6	X	85.14002	225.82953	71.53026	6.42574	0.0893521	0.28506380	2.2865182	21	12 5.9	19.6
170912 2004 XG_{102}	16.5	X	358.47052	324.81279	36.24078	7.79547	0.1484399	0.28711057	2.2756384	21	11 9.5	18.5
170913 2004 XH_{121}	16.7	X	31.17750	162.59677	274.06282	7.01749	0.0944457	0.29976483	2.2111367	21	—	—
170914 2004 XN_{122}	16.7	X	205.75365	50.42093	248.57732	5.53441	0.0235638	0.30719695	2.1753281	21	—	—
170915 2004 XN_{146}	16.5	X	262.41670	41.94835	108.72816	8.15226	0.2006417	0.28617078	2.2806179	21	12 10.2	18.8
170916 2004 XA_{147}	15.3	X	289.60574	248.78629	312.63606	11.79359	0.2073459	0.23128199	2.6285012	21	—	—
170917 2004 XD_{147}	15.1	X	346.83811	63.01314	110.12003	30.25239	0.0667368	0.23895865	2.5719008	21	1 12.1	18.3
170918 2004 XM_{148}	15.8	X	156.13483	276.50661	252.27264	2.40439	0.0493482	0.21368834	2.7708659	21	8 30.6	19.8
170919 2004 XM_{162}	16.7	X	19.44958	323.81697	85.68756	5.76243	0.1880077	0.29455935	2.2371109	21	—	—
170920 2004 XL_{191}	16.7	X	49.65362	257.29169	68.97766	4.23406	0.0764670	0.28505523	2.2865641	21	11 28.9	19.5
170921 2004 YF_{5}	16.7	X	121.38782	229.32474	285.16573	2.66903	0.0988307	0.26565386	2.3965802	21	7 7.8	19.8
170922 2004 YC_{6}	16.1	X	268.85764	198.39426	102.70869	15.78177	0.1397828	0.25612798	2.4556400	21	3 14.7	20.0
170923 2004 YA_{12}	15.8	X	6.15016	198.76631	107.74324	25.21393	0.2367278	0.27330495	2.3516412	21	9 22.0	18.3
170924 2004 YC_{21}	16.9	X	319.61788	255.51955	115.34368	6.06217	0.1376690	0.27652914	2.3333262	21	9 4.2	18.9
170925 2004 YY_{22}	17.1	X	314.19401	238.64946	121.15990	1.51352	0.1491762	0.27323993	2.3520142	21	8 1.7	19.3
170926 2004 YM_{26}	17.3	X	127.19121	75.49577	123.18081	2.17261	0.1314102	0.27152538	2.3619050	21	9 16.7	20.7
170927 Dgebessire	16.5	X	261.19568	291.90329	130.85169	8.11773	0.0841431	0.27492943	2.3423685	21	8 21.1	19.3
170928 2005 AU_{7}	16.9	X	15.60989	349.54415	90.57466	6.55833	0.1082985	0.29589571	2.2303701	21	—	—
170929 2005 AK_{8}	16.5	X	109.84137	89.11435	92.85836	3.71747	0.1155915	0.26465754	2.4025911	21	8 3.6	19.9
170930 2005 AJ_{9}	15.3	X	272.34685	254.09483	328.42851	12.95583	0.2102551	0.23968605	2.5666947	21	—	—
170931 2005 AV_{9}	16.6	X	260.14296	226.01798	237.43699	6.02443	0.0596942	0.27903647	2.3193274	21	10 18.9	19.4
170932 2005 AC_{10}	17.4	X	84.65745	57.29178	337.28213	6.21974	0.1955927	0.30437106	2.1887718	21	—	—
170933 2005 AF_{20}	17.0	X	240.38921	290.21860	160.73152	2.32559	0.1758857	0.27636992	2.3342222	21	8 18.8	20.2
170934 2005 AK_{22}	16.7	X	344.88677	343.50946	65.11330	3.54932	0.1498734	0.28976871	2.2617003	21	12 28.3	18.6
170935 2005 AB_{25}	16.5	X	308.86763	14.69633	93.46962	6.24923	0.1290291	0.28733705	2.2744425	21	—	—
170936 2005 AH_{26}	16.4	X	108.46981	9.24646	166.53863	2.68215	0.1574229	0.26407722	2.4061097	21	7 28.1	19.7
170937 2005 AD_{29}	16.4	X	10.32968	316.14432	274.27139	4.83190	0.2270399	0.25670579	2.4519537	21	4 27.8	18.0
170938 2005 AT_{35}	16.7	X	287.55440	269.71200	157.23294	4.70170	0.1347905	0.28041949	2.3116953	21	9 30.3	19.0
170939 2005 AV_{37}	16.2	X	219.53722	212.29290	19.30209	4.42322	0.0774981	0.23236281	2.6203439	21	—	—
170940 2005 AF_{45}	17.3	X	327.70265	317.57274	100.87611	3.52753	0.2039831	0.28589122	2.2821044	21	12 10.9	18.7
170941 2005 AO_{48}	17.3	X	307.71192	255.42535	156.30240	2.46678	0.1471982	0.28181073	2.3040808	21	10 13.7	19.0
170942 2005 AN_{51}	16.5	X	326.57190	241.29410	269.12859	7.92413	0.1020443	0.29824378	2.2186483	21	—	—
170943 2005 AJ_{54}	16.9	X	122.98729	236.03749	335.27194	4.44414	0.1688732	0.26992010	2.3712603	21	9 28.7	20.6
170944 2005 AN_{60}	16.4	X	263.05901	304.16731	60.44918	2.05325	0.1874733	0.26723598	2.3871118	21	5 17.3	19.6
170945 2005 AG_{68}	16.8	X	117.64222	276.54020	281.54504	5.02315	0.1407412	0.26775605	2.3840198	21	9 2.8	20.5
170946 2005 BP_{2}	15.3	X	66.90102	330.62819	81.36277	29.20760	0.0793426	0.23711481	2.5852165	21	—	—
170947 2005 BA_{4}	15.1	X	221.99039	272.63833	318.76381	3.90482	0.1352324	0.17222833	3.1993836	21	—	—
170948 2005 BE_{4}	16.2	X	274.00004	80.40760	162.29820	3.03279	0.0930904	0.24394202	2.5367537	21	1 5.2	20.0
170949 2005 BA_{6}	17.8	X	303.30095	118.29887	17.16036	2.62395	0.1182526	0.29240085	2.2481069	21	—	—
170950 2005 BG_{6}	16.8	X	204.23974	104.22662	9.04060	2.65998	0.1762268	0.27250952	2.3562150	21	8 11.6	20.5
170951 2005 BG_{11}	16.6	X	127.56471	174.22269	325.21072	4.92969	0.1538660	0.26175566	2.4203156	21	6 30.7	20.2
170952 2005 BT_{13}	15.3	X	264.96936	298.05447	307.03393	9.23986	0.0281827	0.18154806	3.0889317	21	1 17.5	19.6
170953 2005 BX_{13}	15.6	X	272.48061	114.35663	148.71224	4.14294	0.1270184	0.24479722	2.5308421	21	1 25.4	19.5
170954 2005 BZ_{19}	15.9	X	279.86626	119.87602	109.05127	17.64495	0.1600527	0.24002782	2.5642576	21	—	—
170955 2005 BJ_{24}	17.2	X	348.41929	111.71528	309.96774	5.86827	0.1552901	0.28771824	2.2724332	21	—	—
170956 2005 BN_{24}	16.5	X	99.52808	158.84654	7.82246	1.59196	0.1278239	0.25969093	2.4331275	21	7 1.3	19.7
170957 2005 BB_{25}	16.7	X	128.97983	227.98058	257.32295	2.84954	0.1121075	0.26071406	2.4267577	21	6 8.3	20.0
170958 2005 BL_{29}	16.1	X	358.24040	164.80568	54.66120	7.08461	0.0692682	0.25310087	2.4751809	21	4 2.5	18.9
170959 2005 BN_{31}	16.8	X	316.59721	214.65580	129.35261	7.12632	0.1608287	0.27156292	2.3616873	21	7 9.6	19.0
170960 2005 CN_{1}	15.9	X	238.67192	134.77883	132.07893	13.90288	0.1292483	0.24052832	2.5606992	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
170961 2005 CD_3	16.5	X	220.12991	59.44226	85.40767	3.27657	0.1485612	0.27706854	2.3302968	21	10 12.7	19.8
170962 2005 CH_3	16.6	X	140.28459	175.00748	357.93292	5.35369	0.1673879	0.26674395	2.3900464	21	8 29.0	20.3
170963 2005 CE_4	17.1	X	109.87425	88.26981	68.61528	2.19200	0.1201747	0.26000226	2.4311848	21	6 29.6	20.3
170964 2005 CP_8	17.8	X	286.52785	34.62743	67.29682	1.80547	0.1518077	0.28401163	2.2921619	21	11 17.9	19.8
170965 2005 CW_{11}	16.7	X	191.88791	91.63369	6.21140	5.80675	0.1356157	0.26662088	2.3907818	21	7 11.6	20.4
170966 2005 CP_{12}	15.9	X	114.31349	172.69434	143.69374	14.95367	0.2561922	0.23007288	2.6377022	21	—	—
170967 2005 CT_{15}	17.2	X	280.05952	139.24760	296.85490	3.87130	0.1631414	0.27965789	2.3158904	21	9 22.5	19.8
170968 2005 CK_{19}	16.8	X	108.42515	328.02581	206.90845	1.35414	0.0848608	0.26379608	2.4078189	21	7 17.8	19.9
170969 2005 CH_{21}	16.5	X	147.11872	159.52290	30.74846	2.62429	0.1524850	0.26995652	2.3710470	21	9 26.3	20.1
170970 2005 CS_{21}	16.6	X	177.39595	161.12036	27.09343	2.92898	0.1382688	0.27495982	2.3421960	21	10 22.9	20.2
170971 2005 CX_{21}	16.9	X	159.65968	346.61809	211.83964	1.72700	0.1514398	0.27446059	2.3450353	21	10 18.2	20.5
170972 2005 CS_{22}	16.8	X	304.53049	88.27557	20.01173	5.45196	0.1057393	0.28708384	2.2757797	21	—	—
170973 2005 CJ_{25}	16.9	X	245.76544	39.10255	127.75498	6.57818	0.1016721	0.28401393	2.2921496	21	12 21.9	19.6
170974 2005 CN_{25}	16.6	X	285.93758	104.61910	320.09279	6.38804	0.1128797	0.27710861	2.3300721	21	9 22.7	19.3
170975 2005 CW_{26}	16.5	X	60.63979	211.11785	12.22474	2.19390	0.1574569	0.26055728	2.4277311	21	8 1.9	19.3
170976 2005 CP_{32}	16.7	X	257.32207	274.97331	83.06306	2.72457	0.1971392	0.26285538	2.4135602	21	5 2.5	20.3
170977 2005 CV_{35}	16.9	X	8.32267	0.90020	39.86390	3.59889	0.1262147	0.29099175	2.2553586	21	—	—
170978 2005 CX_{36}	16.2	X	324.40616	154.77035	127.66655	7.36493	0.1178890	0.25630257	2.4545247	21	5 1.6	19.1
170979 2005 CS_{48}	17.0	X	300.64391	292.27807	151.09237	2.63367	0.1373965	0.28282152	2.2985877	21	11 19.4	19.0
170980 2005 CB_{49}	16.3	X	185.42126	315.82900	170.69338	5.87815	0.1647463	0.26729753	2.3867454	21	8 9.1	20.1
170981 2005 CH_{51}	16.5	X	105.95149	259.45079	295.34577	1.70548	0.1290607	0.26349969	2.4096241	21	8 16.9	19.7
170982 2005 CN_{51}	17.1	X	199.81411	268.54276	211.49650	0.59277	0.1398798	0.26915685	2.3757410	21	8 16.9	20.5
170983 2005 CS_{52}	17.0	X	294.84881	50.62086	33.65338	3.53806	0.1216881	0.28158483	2.3053129	21	11 9.4	19.2
170984 2005 CO_{53}	15.9	X	2.58264	156.19751	105.25295	7.06237	0.0928555	0.25881363	2.4386228	21	6 7.2	18.3
170985 2005 CX_{56}	17.3	X	166.88480	263.81323	271.79917	1.24246	0.1731815	0.27366337	2.3495874	21	9 24.9	20.9
170986 2005 CF_{58}	16.1	X	32.08897	330.19091	275.73264	5.67852	0.0902966	0.26184439	2.4197687	21	7 6.6	18.5
170987 2005 CG_{59}	16.9	X	226.28431	273.74444	222.83352	2.37273	0.1148848	0.27730094	2.3289946	21	10 11.0	20.0
170988 2005 CZ_{59}	16.4	X	65.34933	213.13601	26.57804	3.91161	0.1335357	0.26543348	2.3979065	21	8 29.9	19.3
170989 2005 CV_{62}	16.3	X	298.48268	342.89779	47.94504	4.25114	0.2047961	0.27412958	2.3469227	21	8 13.1	18.7
170990 2005 CS_{63}	16.4	X	87.68126	304.67940	282.58825	4.02263	0.1331048	0.26632830	2.3925325	21	9 7.2	19.6
170991 2005 CX_{66}	16.5	X	47.00858	195.32677	29.17961	2.14915	0.1225354	0.25873000	2.4391482	21	7 5.3	19.0
170992 2005 CO_{68}	16.5	X	315.73760	254.52079	158.15568	6.35636	0.1304653	0.27961150	2.3161465	21	11 3.3	18.5
170993 2005 CU_{69}	15.8	X	229.22687	225.43078	338.30234	9.07538	0.0653350	0.22561445	2.6723384	21	—	—
170994 2005 CH_{79}	14.8	X	41.03407	134.74039	111.84103	15.30712	0.1631739	0.20031441	2.8928633	21	8 1.8	18.2
170995 Ritajoewright	16.7	X	260.66844	115.47972	323.23131	5.82335	0.2017763	0.27308916	2.3528798	21	8 22.7	19.8
170996 2005 EL_4	15.4	X	71.42089	348.11888	225.36209	7.61720	0.1481648	0.20053441	2.8907472	21	7 27.6	19.4
170997 2005 EF_7	16.9	X	195.60368	39.68696	92.98418	3.35592	0.1471336	0.26823851	2.3811603	21	8 30.7	20.5
170998 2005 ES_8	17.1	X	275.11061	318.75936	122.18854	1.15836	0.1938070	0.27968575	2.3157366	21	9 18.9	19.5
170999 2005 EK_{10}	15.6	X	189.72189	335.00261	193.37166	4.38305	0.0599656	0.21254444	2.7807987	21	10 8.6	19.6
171000 2005 EZ_{13}	16.8	X	199.46556	98.98650	50.58691	3.11747	0.1548993	0.27258605	2.3557740	21	9 25.4	20.2
171001 2005 EZ_{16}	16.5	X	65.83334	301.06094	1.16196	1.06880	0.0424328	0.21349883	2.7725053	21	10 31.5	20.3
171002 2005 EB_{19}	16.1	X	156.47808	344.41577	19.95685	2.27585	0.2003549	0.23905173	2.5712331	21	2 13.2	20.2
171003 2005 EQ_{20}	15.1	X	110.39155	265.54081	347.08147	11.51974	0.1577801	0.21183332	2.7870186	21	10 28.3	19.7
171004 2005 EU_{23}	16.6	X	197.65084	307.59387	175.57633	2.12883	0.1692445	0.26899544	2.3766913	21	8 17.0	20.2
171005 2005 EQ_{24}	16.0	X	244.94369	117.83485	125.72034	5.40888	0.0130085	0.23432563	2.6056906	21	—	—
171006 2005 EF_{26}	17.3	X	152.68170	321.85756	168.46544	0.77636	0.1309674	0.26210532	2.4181625	21	7 13.0	21.0
171007 2005 EX_{26}	16.2	X	159.44165	166.62858	349.35858	3.84051	0.1367643	0.26629795	2.3927142	21	8 24.2	19.7
171008 2005 ET_{28}	15.9	X	224.07918	194.70565	26.58594	7.93887	0.2474274	0.22331411	2.6906587	21	12 31.2	20.1
171009 2005 EL_{31}	16.3	X	48.30129	19.00226	196.31245	3.86288	0.0507796	0.25675483	2.4516416	21	6 13.5	19.2
171010 2005 ER_{32}	16.6	X	280.15615	33.27562	13.75209	5.10134	0.2235526	0.27260431	2.3556689	21	8 3.2	19.5
171011 2005 EY_{36}	17.1	X	108.48943	81.15013	104.23742	3.29486	0.1272541	0.26042325	2.4285640	21	8 7.7	20.4
171012 2005 ED_{37}	15.6	X	262.90027	133.36875	85.26732	4.72037	0.2260025	0.22759824	2.6567873	21	—	—
171013 2005 EL_{37}	16.2	X	15.00651	171.83718	356.47749	4.35289	0.1166802	0.24210298	2.5495838	21	2 13.7	19.0
171014 2005 EZ_{37}	16.4	X	194.71095	229.09114	279.92248	2.29268	0.1756775	0.27124935	2.3635071	21	9 15.9	20.0
171015 2005 EU_{38}	16.2	X	287.30515	128.61154	103.64497	5.39508	0.1645615	0.23760376	2.5816687	21	—	—
171016 2005 ET_{40}	15.8	X	280.95294	87.05208	5.25669	5.50630	0.0303665	0.21553247	2.7550379	21	10 27.5	19.4
171017 2005 EL_{44}	16.9	X	233.18263	133.72346	346.26140	2.58894	0.1141489	0.27347705	2.3506545	21	9 26.7	19.9
171018 2005 EA_{45}	16.6	X	59.23523	289.39179	306.28901	2.20545	0.1397531	0.26234590	2.4166840	21	8 13.8	19.5
171019 2005 EA_{46}	16.8	X	138.77748	293.31702	239.47497	1.39858	0.1318199	0.26612807	2.3937324	21	8 23.7	20.5
171020 2005 ED_{46}	16.7	X	170.13280	280.57827	174.60045	7.32970	0.0443300	0.25994703	2.4315292	21	6 12.2	20.1
171021 2005 ER_{48}	16.5	X	100.64626	4.92845	199.17916	1.10415	0.1219072	0.26382748	2.4076279	21	8 22.4	19.8
171022 2005 ES_{48}	17.2	X	136.23810	155.71875	309.42558	2.02145	0.1485886	0.25705330	2.4497434	21	5 23.8	20.8
171023 2005 EY_{48}	16.8	X	138.51118	322.29795	216.66419	2.28312	0.0939543	0.26678718	2.3897882	21	8 29.2	20.2
171024 2005 EW_{49}	16.5	X	347.03919	314.15000	252.40184	3.44643	0.0611380	0.24352837	2.5396255	21	2 23.7	19.7
171025 2005 ER_{51}	15.8	X	92.16854	119.19739	185.60754	4.66373	0.1116765	0.21881548	2.7274116	21	12 14.1	19.9
171026 2005 EU_{53}	16.7	X	191.21218	313.36884	147.45509	2.62514	0.0438472	0.26293189	2.4130920	21	7 16.2	19.8
171027 2005 EN_{57}	16.9	X	145.01462	165.54182	324.64418	2.84359	0.0747270	0.26301290	2.4125965	21	6 30.9	20.2
171028 2005 EY_{58}	16.0	X	60.12364	270.01525	333.96048	5.25605	0.0838170	0.26530943	2.3986539	21	8 18.7	18.7
171029 2005 EZ_{58}	17.3	X	191.71827	51.53505	140.60131	2.83623	0.1420149	0.27865066	2.3214678	21	11 12.8	20.6
171030 2005 EN_{60}	15.8	X	149.38748	41.69184	259.80555	2.10110	0.0947786	0.22667020	2.6640340	21	—	—
171031 2005 EK_{61}	16.7	X	143.50269	275.66928	232.49558	4.70825	0.1376990	0.26290089	2.4132817	21	7 26.2	20.3
171032 2005 ES_{61}	16.4	X	344.35468	76.49982	87.59670	2.33223	0.0866309	0.23969820	2.5666079	21	—	—
171033 2005 EA_{62}	17.0	X	215.50237	203.91824	155.12578	7.16545	0.1214734	0.25243980	2.4795003	21	3 29.9	20.7
171034 2005 EK_{66}	15.5	X	17.21455	18.69165	116.73236	14.33062	0.0929735	0.23845364	2.5755308	21	1 4.7	18.5
171035 2005 EV_{71}	16.4	X	206.18166	55.36375	9.28215	7.37698	0.0716849	0.26230506	2.4169348	21	6 12.9	19.9
171036 2005 EW_{71}	16.7	X	48.76228	108.77377	68.18037	4.64932	0.1403916	0.25226321	2.4806573	21	4 30.4	19.1
171037 2005 EC_{73}	16.4	X	196.83713	62.42099	16.86848	6.40905	0.0974370	0.26233533	2.4167489	21	6 21.7	20.0
171038 2005 EH_{77}	17.9	X	219.15234	209.81934	246.48654	0.57338	0.1479067	0.26798395	2.3826680	21	8 5.1	21.2
171039 2005 ER_{79}	16.5	X	351.85864	150.22799	47.79002	8.79786	0.1311679	0.24297032	2.5435127	21	2 17.2	19.5
171040 2005 ES_{79}	16.8	X	94.29413	108.79691	72.09365	5.55613	0.1299471	0.25775192	2.4453148	21	7 15.2	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
171041 2005 EH_{84}	16.8	X	188.86893	166.08906	31.65443	3.24758	0.1473452	0.27960057	2.3162069	21	11 15.3	20.1
171042 2005 EG_{85}	16.8	X	309.45118	202.87194	6.93117	5.63391	0.1236598	0.23921850	2.5700380	21	1 2.6	20.4
171043 2005 EG_{90}	16.0	X	252.04844	351.90823	310.90369	3.68291	0.0721115	0.24477230	2.5310139	21	2 26.3	19.5
171044 2005 EU_{93}	15.6	X	285.34451	97.69461	87.12861	15.18340	0.0500147	0.22878361	2.6476025	21	—	—
171045 2005 ES_{96}	16.0	X	178.47367	355.85448	204.66931	9.49682	0.1770930	0.21658050	2.7461430	21	10 31.9	20.6
171046 2005 ES_{97}	16.6	X	134.77335	281.98024	290.18950	4.63397	0.1670864	0.27068190	2.3668091	21	10 9.8	20.4
171047 2005 EM_{99}	15.1	X	344.56764	40.75745	209.80930	5.90989	0.0538030	0.19212991	2.9744459	21	4 30.1	18.9
171048 2005 EN_{101}	15.3	X	173.77334	119.18023	122.83132	10.53907	0.1055760	0.21817536	2.7327438	21	12 19.4	19.6
171049 2005 EK_{102}	16.0	X	85.34997	276.97808	192.49002	13.19175	0.0420339	0.24329279	2.5412646	21	3 9.4	19.2
171050 2005 EK_{108}	15.5	X	291.42516	292.36614	184.05045	14.30535	0.0595825	0.22323328	2.6913081	21	12 12.4	19.2
171051 2005 EJ_{109}	16.3	X	177.26324	269.09398	224.55274	7.58331	0.1284825	0.26732495	2.3865821	21	8 9.1	20.1
171052 2005 ES_{112}	16.8	X	264.77597	263.42753	1.59821	1.93218	0.1642059	0.23933993	2.5691687	21	1 18.8	20.7
171053 2005 ET_{115}	16.0	X	167.64425	174.60711	166.41894	2.90038	0.0865666	0.23663503	2.5887098	21	1 15.6	19.8
171054 2005 EA_{117}	16.5	X	16.56283	8.63603	9.06398	6.36098	0.0478316	0.21776828	2.7361483	21	12 2.7	20.1
171055 2005 EY_{119}	17.1	X	151.44155	342.66085	200.85939	1.63530	0.1424369	0.26952351	2.3735859	21	9 20.5	20.8
171056 2005 ED_{121}	14.8	X	237.62721	275.41283	322.72771	14.89187	0.0538799	0.17397984	3.1778746	21	—	—
171057 2005 EP_{121}	16.7	X	233.48370	336.33398	269.70277	0.93098	0.1507879	0.22977964	2.6399458	21	—	—
171058 2005 EY_{123}	16.4	X	227.95077	87.90826	146.32938	2.99229	0.0765137	0.22923211	2.6441479	21	—	—
171059 2005 EC_{125}	15.9	X	58.69727	15.81042	7.76322	9.11367	0.0871545	0.22473027	2.6793431	21	—	—
171060 2005 EG_{126}	15.5	X	153.39291	187.25543	45.27955	26.08724	0.0670370	0.21428246	2.7657418	21	11 14.7	19.6
171061 2005 ER_{126}	17.8	X	190.35898	64.40366	37.03789	1.70825	0.1435664	0.26107527	2.4245188	21	7 13.8	21.6
171062 2005 EV_{127}	16.6	X	246.09542	266.50096	163.33698	6.54923	0.1031230	0.27127670	2.3633482	21	8 5.1	19.6
171063 2005 EY_{133}	16.5	X	285.99622	219.97264	37.68797	3.73614	0.0981851	0.24294409	2.5436957	21	2 7.9	20.0
171064 2005 EX_{135}	16.5	X	104.61234	102.58444	51.59085	4.95045	0.0919496	0.25533710	2.4607081	21	6 14.7	19.8
171065 2005 EL_{138}	16.7	X	155.54240	92.19524	92.15880	7.93643	0.1357680	0.26869388	2.3784692	21	9 30.3	20.4
171066 2005 ER_{142}	15.8	X	345.65198	128.65153	29.39229	11.51076	0.0970903	0.23497133	2.6009148	21	—	—
171067 2005 EZ_{147}	16.6	X	168.40193	34.94779	48.75184	3.06497	0.1515187	0.25592780	2.4569203	21	5 29.2	20.3
171068 2005 EQ_{151}	15.3	X	246.59699	285.44624	34.95574	6.80481	0.1454419	0.18172899	3.0868812	21	3 19.4	20.1
171069 2005 ES_{152}	15.8	X	342.13591	237.37724	95.87229	3.31823	0.0580817	0.20156813	2.8808555	21	8 16.6	19.3
171070 2005 EK_{156}	15.4	X	89.76474	228.83743	16.37533	9.30113	0.1099534	0.21008232	2.8024834	21	9 28.6	19.4
171071 2005 EZ_{156}	15.4	X	255.42783	303.93967	358.67248	3.05948	0.0896521	0.18333204	3.0688605	21	3 9.7	19.9
171072 2005 ER_{165}	17.1	X	158.98669	285.51129	155.38190	2.80140	0.1689888	0.25524646	2.4612907	21	5 18.3	20.9
171073 2005 EQ_{167}	15.8	X	322.82198	73.43483	345.40683	4.59491	0.0385678	0.21630088	2.7485092	21	11 9.7	19.4
171074 2005 EL_{171}	16.0	X	220.85457	13.33052	267.79255	5.33195	0.0794962	0.23545719	2.5973357	21	—	—
171075 2005 EW_{176}	15.9	X	117.26821	54.03384	11.71919	10.04236	0.0747411	0.24132011	2.5550949	21	3 5.3	19.3
171076 2005 EA_{178}	16.9	X	124.89219	312.24150	241.31976	2.18340	0.1165569	0.26821597	2.3812937	21	9 4.0	20.2
171077 2005 EL_{178}	17.2	X	259.17732	157.64350	302.34460	4.07987	0.0886471	0.27776287	2.3264118	21	10 6.8	20.0
171078 2005 EM_{181}	16.9	X	209.75870	126.82348	9.30595	5.44764	0.1001633	0.27195239	2.3594320	21	9 22.9	20.2
171079 2005 EB_{182}	15.8	X	7.73477	225.42028	69.15569	3.12188	0.0384203	0.20446239	2.8536044	21	8 2.2	19.5
171080 2005 EV_{182}	16.6	X	251.47807	136.24713	18.07878	5.20909	0.0543206	0.22086624	2.7105026	21	12 5.1	20.2
171081 2005 EG_{185}	15.7	X	195.96614	9.95894	228.85651	12.74982	0.1371502	0.22118481	2.7078993	21	—	—
171082 2005 ER_{188}	17.5	X	157.21568	281.20189	211.69239	1.26155	0.1535627	0.26030707	2.4292865	21	7 21.8	21.3
171083 2005 EZ_{188}	16.0	X	338.93490	358.18950	145.92152	3.92368	0.0246315	0.23153871	2.6265579	21	—	—
171084 2005 EO_{193}	16.8	X	35.30994	215.31419	212.74633	1.19969	0.1041578	0.23176343	2.6248598	21	—	—
171085 2005 EF_{197}	16.4	X	302.42703	244.24897	306.61497	5.57530	0.1027379	0.29392855	2.2403104	21	—	—
171086 2005 EL_{197}	15.7	X	290.68374	154.23484	274.69462	5.13837	0.0320389	0.21130938	2.7916236	21	10 8.2	19.5
171087 2005 EB_{204}	17.0	X	256.55130	352.01326	40.07715	1.99139	0.1793935	0.26948795	2.3737946	21	6 17.1	20.2
171088 2005 EE_{205}	16.8	X	324.20157	343.76311	168.95522	4.66123	0.1335142	0.23002242	2.6380879	21	—	—
171089 2005 EB_{206}	15.9	X	159.84779	288.13828	347.69277	7.74991	0.0603291	0.22219987	2.6996462	21	—	—
171090 2005 ET_{207}	15.6	X	206.41771	229.51800	192.21642	1.69199	0.1024000	0.19865500	2.9089508	21	6 10.5	20.1
171091 2005 EN_{212}	15.4	X	181.25764	144.86133	55.70612	18.10284	0.0593904	0.21473908	2.7618197	21	11 10.1	19.5
171092 2005 EO_{215}	16.5	X	325.81655	311.08443	223.78212	4.48328	0.0644213	0.23541695	2.5976317	21	—	—
171093 2005 EW_{219}	15.8	X	208.37853	212.47648	243.84181	10.47599	0.1348983	0.26578183	2.3958109	21	7 22.5	19.6
171094 2005 ER_{222}	15.4	X	184.08669	127.62953	81.70757	14.11755	0.1009990	0.21705155	2.7421684	21	11 22.2	19.6
171095 2005 EL_{223}	16.3	X	58.09510	359.25714	123.70643	4.79241	0.1010645	0.24197751	2.5504650	21	2 25.1	19.0
171096 2005 EX_{224}	15.7	X	84.87145	292.70776	112.88850	22.66125	0.0515667	0.23387874	2.6090089	21	—	—
171097 2005 EF_{225}	15.7	X	177.20203	354.07572	39.78901	15.07745	0.1026626	0.24615513	2.5215260	21	4 6.9	19.5
171098 2005 EB_{242}	16.2	X	266.17817	155.26626	29.40300	11.92075	0.0850203	0.22857661	2.6492007	21	—	—
171099 2005 EH_{251}	17.2	X	76.35611	45.73317	116.12119	1.27798	0.1742685	0.25433487	2.4671683	21	5 30.5	20.0
171100 2005 EH_{263}	16.2	X	284.89978	338.25892	241.50619	1.08853	0.0436670	0.23534279	2.5981773	21	—	—
171101 2005 EL_{266}	15.8	X	67.74236	311.78478	116.85446	14.64855	0.0424659	0.23241209	2.6199736	21	—	—
171102 2005 EZ_{268}	15.9	X	2.18902	27.54497	64.73990	2.91644	0.0457789	0.22517373	2.6758241	21	—	—
171103 2005 EO_{269}	17.0	X	3.74677	247.62811	235.33868	3.42849	0.2195833	0.23431519	2.6057681	21	—	—
171104 2005 ER_{277}	16.1	X	356.84294	118.28775	35.61872	13.71442	0.1215379	0.23920927	2.5701041	21	—	—
171105 2005 EG_{280}	16.0	X	45.55588	31.40953	90.24992	6.44983	0.1585477	0.24156284	2.5533830	21	2 4.6	18.5
171106 2005 EE_{285}	16.3	X	342.29637	185.47589	36.20369	3.05533	0.0172005	0.24545811	2.5262973	21	3 17.2	19.4
171107 2005 EG_{287}	15.2	X	337.44609	43.43744	197.37635	8.32941	0.0870696	0.18528216	3.0472890	21	4 3.9	19.2
171108 2005 EM_{289}	15.7	X	279.49470	69.91483	100.33862	9.06570	0.1008816	0.22925956	2.6439368	21	—	—
171109 2005 EA_{291}	16.1	X	58.99748	315.99081	153.95490	15.53871	0.1062618	0.24035330	2.5619422	21	2 6.9	18.9
171110 2005 EQ_{292}	15.1	X	309.64558	204.65265	26.15241	17.95724	0.0670304	0.17830325	3.1262944	21	2 26.0	19.7
171111 2005 EN_{293}	15.6	X	54.19536	332.26478	28.60297	7.14433	0.1037349	0.22098806	2.7095064	21	—	—
171112 Sickafoose	16.5	X	285.79056	351.32025	16.88268	1.96495	0.1083031	0.20012567	2.8946819	21	7 3.6	20.5
171113 2005 EY_{305}	16.1	X	288.62747	250.12495	160.49068	9.36351	0.1617686	0.21223656	2.7834873	21	8 25.4	19.4
171114 2005 EC_{311}	16.2	X	164.62949	182.68870	147.92270	6.81444	0.0964341	0.23776787	2.5804807	21	—	—
171115 2005 FW_{3}	14.6	X	258.02490	227.54063	39.48510	28.45422	0.1322776	0.17395208	3.1782127	21	2 7.4	20.1
171116 2005 GO	15.1	X	264.33750	235.79468	43.27891	26.92575	0.1665660	0.17437947	3.1730176	21	2 27.7	20.6
171117 2005 GF_{1}	15.6	X	169.89125	189.96681	7.65013	9.38226	0.2038458	0.21120899	2.7925082	21	10 17.8	20.4
171118 Szigetköz	15.7	X	253.67688	146.43501	138.01834	1.98573	0.1237965	0.17465511	3.1696783	21	2 12.5	20.6
171119 2005 GA_{3}	16.0	X	335.70527	307.77091	133.33647	2.55276	0.0448979	0.21909102	2.7251244	21	12 28.7	19.5
171120 2005 GN_{4}	15.4	X	277.53634	245.46530	33.99020	27.04343	0.1816956	0.17744260	3.1363952	21	3 11.4	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
171121 2005 GM_7	15.7	X	275.94312	51.21753	83.56600	8.80756	0.0686485	0.21832539	2.7314917	21	12 11.5	19.3
171122 2005 GH_8	15.5	X	174.36228	13.74478	233.40194	17.12757	0.2156036	0.21888226	2.7268569	21	12 18.8	20.3
171123 2005 GU_{11}	15.7	X	322.74625	300.11069	134.20388	8.24731	0.0643478	0.21641953	2.7475045	21	12 2.6	19.2
171124 2005 GV_{22}	15.5	X	94.08550	193.32219	112.64552	10.67764	0.1072763	0.21420973	2.7663678	21	12 16.7	19.7
171125 2005 GR_{23}	16.3	X	302.98053	34.23423	171.25007	7.81899	0.1448360	0.23320679	2.6140181	21	—	—
171126 2005 GT_{23}	15.7	X	244.56449	174.51258	56.61626	10.56311	0.1377196	0.22662034	2.6644247	21	—	—
171127 2005 GT_{26}	15.1	X	312.10414	41.59069	197.14829	16.17697	0.1308810	0.17728383	3.1382675	21	2 17.1	19.6
171128 2005 GA_{28}	16.3	X	296.25960	304.93336	246.78807	2.39556	0.1993647	0.23063427	2.6334201	21	—	—
171129 2005 GG_{28}	15.7	X	148.27086	319.20938	298.04092	2.42362	0.1185962	0.21452822	2.7636291	21	12 11.2	20.1
171130 2005 GC_{31}	16.2	X	78.63348	186.44393	137.54606	5.90260	0.1606881	0.27578788	2.3375052	21	—	—
171131 2005 GM_{34}	15.8	X	117.14240	209.28615	64.64048	10.08197	0.1197490	0.21327883	2.7744116	21	12 1.3	20.2
171132 2005 GZ_{36}	15.4	X	190.86860	151.54835	37.85362	13.22629	0.0543254	0.21131416	2.7915816	21	11 4.7	19.3
171133 2005 GP_{38}	16.0	X	340.02706	206.53748	223.51963	8.35507	0.1088029	0.21882682	2.7273174	21	12 23.5	19.2
171134 2005 GC_{41}	15.5	X	1.97572	107.40778	109.09648	2.54219	0.1109268	0.18357624	3.0661383	21	4 10.2	19.1
171135 2005 GR_{44}	16.0	X	272.11410	351.67901	290.27659	0.79374	0.1421041	0.18006708	3.1058454	21	2 25.0	20.5
171136 2005 GW_{52}	15.9	X	268.81196	17.42403	204.53905	3.67092	0.2137868	0.22847428	2.6499917	21	—	—
171137 2005 GX_{53}	15.3	X	352.79137	186.63425	21.87689	4.63442	0.1836553	0.18052418	3.1006003	21	3 9.5	18.7
171138 2005 GX_{54}	16.2	X	241.23144	306.26913	194.02602	8.74900	0.0997119	0.21573144	2.7533436	21	10 29.9	20.0
171139 2005 GG_{55}	15.8	X	278.95407	204.34892	60.82090	2.20305	0.1093344	0.17674845	3.1446017	21	2 17.9	20.3
171140 2005 GX_{56}	16.0	X	118.96338	186.49664	72.76112	2.94280	0.0832437	0.21026494	2.8008605	21	11 13.5	20.0
171141 2005 GK_{57}	16.3	X	197.62297	137.30737	165.82200	1.75209	0.0597674	0.16993093	3.2281553	21	1 12.7	21.2
171142 2005 GZ_{58}	16.1	X	34.76285	350.33586	158.44887	11.00959	0.1848786	0.24058604	2.5602897	21	2 20.9	18.3
171143 2005 GC_{59}	15.8	X	300.11379	68.81912	132.61298	5.21725	0.1232343	0.23205925	2.6226286	21	—	—
171144 2005 GA_{66}	15.8	X	235.17307	129.83153	194.01416	1.36903	0.0764982	0.18035507	3.1025382	21	3 14.6	20.5
171145 2005 GD_{66}	16.3	X	294.81188	232.50188	198.99907	3.97710	0.0460791	0.21056320	2.7982149	21	10 18.3	19.9
171146 2005 GH_{67}	15.8	X	85.43517	82.67946	202.43826	5.02208	0.0188589	0.21012037	2.8021450	21	10 31.3	19.7
171147 2005 GR_{68}	15.4	X	188.65426	155.10567	110.69897	14.31227	0.0894551	0.22439625	2.6820013	21	—	—
171148 2005 GX_{68}	14.6	X	239.50610	245.34360	60.32903	26.85991	0.2662073	0.17461351	3.1701817	21	3 1.1	20.6
171149 2005 GY_{72}	16.9	X	252.42424	69.84750	107.69430	3.59531	0.1102583	0.28249850	2.3003396	21	—	—
171150 2005 GB_{73}	15.5	X	19.24206	95.53823	32.24226	28.63855	0.1029718	0.23621646	2.5917669	21	—	—
171151 2005 GD_{75}	15.6	X	90.36600	260.95121	21.16062	6.95651	0.1110956	0.20878952	2.8140399	21	11 11.4	19.9
171152 2005 GK_{78}	15.5	X	260.71384	60.69153	123.13704	13.12639	0.0477534	0.22256814	2.6966674	21	—	—
171153 Allanrahill	15.3	X	355.36111	113.48246	150.19998	10.06656	0.0178713	0.19212925	2.9744527	21	6 4.9	19.5
171154 2005 GG_{87}	16.6	X	10.43764	67.07046	53.82388	2.89483	0.1806108	0.23303096	2.6153329	21	—	—
171155 2005 GN_{88}	16.0	X	322.16362	21.94605	313.89451	0.96628	0.1019022	0.19620772	2.9330895	21	7 14.9	19.7
171156 2005 GA_{90}	15.6	X	331.41276	48.18581	39.49856	13.68766	0.0531978	0.21750334	2.7383698	21	12 31.1	19.3
171157 2005 GE_{95}	15.6	X	167.68587	29.85754	96.53737	3.13099	0.0718492	0.19790532	2.9162924	21	7 21.6	20.0
171158 2005 GN_{110}	15.5	X	277.84992	185.01783	218.94996	7.06982	0.0785102	0.20020937	2.8938751	21	8 10.9	19.6
171159 2005 GM_{112}	15.7	X	69.78735	157.19005	235.43385	8.37601	0.1318997	0.22560915	2.6723802	21	—	—
171160 2005 GN_{112}	16.0	X	33.27291	35.15511	345.52201	5.64714	0.0684243	0.21703878	2.7422759	21	—	—
171161 2005 GJ_{114}	17.8	X	145.59180	68.21501	62.57663	2.26712	0.1330519	0.25795732	2.4440165	21	7 6.5	21.3
171162 2005 GD_{118}	16.0	X	282.27120	124.81115	132.75112	2.08342	0.1312648	0.17662344	3.1460852	21	2 9.0	20.6
171163 2005 GF_{119}	16.3	X	211.26728	152.97345	93.56024	2.66714	0.1032455	0.22412827	2.6841387	21	—	—
171164 2005 GD_{122}	16.9	X	132.00254	119.42314	347.25685	3.66201	0.1052993	0.25424404	2.4677559	21	5 15.8	20.5
171165 2005 GF_{127}	15.2	X	301.22262	149.70131	108.58488	10.35396	0.0510664	0.17953948	3.1119271	21	3 18.7	19.7
171166 2005 GM_{128}	16.6	X	11.44982	80.00461	99.84795	4.34575	0.1503101	0.24371701	2.5383148	21	2 21.1	19.1
171167 2005 GE_{134}	16.3	X	322.68100	350.28072	46.60850	6.31974	0.0413458	0.20810294	2.8202260	21	10 13.9	19.8
171168 2005 GT_{137}	16.2	X	48.84985	111.54001	226.47230	5.02201	0.0587359	0.21073939	2.7966551	21	11 26.6	19.9
171169 2005 GL_{159}	16.2	X	148.81759	18.13389	84.94846	13.05295	0.2041308	0.25498782	2.4629547	21	6 8.2	20.1
171170 2005 GZ_{163}	16.7	X	22.75128	269.00232	223.70071	1.93536	0.0623928	0.23474859	2.6025598	21	1 12.3	19.8
171171 Prior	15.7	X	72.91380	210.06729	215.11548	11.12213	0.2004469	0.23252637	2.6191150	21	1 11.1	18.5
171172 2005 GS_{168}	16.5	X	47.27576	286.54051	201.78288	3.22061	0.1619719	0.24040556	2.5615709	21	2 15.3	18.8
171173 2005 GT_{168}	16.0	X	341.16211	269.60041	42.18443	2.48762	0.0730073	0.19508846	2.9442973	21	7 15.2	19.6
171174 2005 GW_{169}	16.2	X	105.06048	32.18701	27.33747	4.98134	0.0933469	0.23623391	2.5916393	21	2 11.6	19.5
171175 2005 GZ_{170}	16.3	X	49.72991	166.45512	278.88442	1.69361	0.0949141	0.23188248	2.6239613	21	—	—
171176 2005 GF_{172}	15.8	X	83.13100	165.86117	102.20079	3.27537	0.0459039	0.20623792	2.8372027	21	10 11.3	19.8
171177 2005 GY_{178}	15.4	X	333.84427	72.46810	207.43201	9.68709	0.0693613	0.18854765	3.0120023	21	5 22.7	19.3
171178 2005 GL_{179}	16.1	X	82.32881	266.05341	212.67342	12.63321	0.1110168	0.24427061	2.5344783	21	3 27.3	19.1
171179 2005 GX_{214}	16.1	X	293.38485	182.30533	120.96875	6.00128	0.1406674	0.24331335	2.5411215	21	4 12.6	19.5
171180 2005 HK	16.6	X	250.47091	139.65906	349.93983	3.91277	0.0122961	0.21147385	2.7901761	21	11 6.4	20.4
171181 2005 HJ_1	16.3	X	255.60136	308.93979	190.33757	2.97106	0.0366944	0.21395708	2.7685451	21	11 23.9	19.9
171182 2005 HW_1	15.8	X	267.52437	124.45311	49.16527	13.69881	0.1137402	0.22135929	2.7064762	21	—	—
171183 Haleakala	16.1	X	48.96777	311.21876	51.96454	4.02350	0.1031898	0.21333798	2.7738987	21	—	—
171184 2005 JB_1	15.5	X	296.56255	318.70672	217.78471	14.92835	0.2232607	0.22638942	2.6662363	21	—	—
171185 2005 JW_{10}	16.1	X	63.46564	4.12558	45.65902	3.30202	0.0784612	0.22738831	2.6584223	21	—	—
171186 2005 JQ_{11}	15.9	X	281.07213	279.52641	34.92445	2.18942	0.1240235	0.18467266	3.0539902	21	4 17.3	20.1
171187 2005 JV_{15}	16.2	X	73.15426	18.10355	163.61156	1.17155	0.0846264	0.18890384	3.0082149	21	6 10.7	20.2
171188 2005 JR_{20}	15.5	X	251.68589	186.06552	95.49743	13.01769	0.1444337	0.23288047	2.6164594	21	1 29.9	19.7
171189 2005 JR_{21}	15.0	X	345.17908	318.28804	232.84213	15.79182	0.0781535	0.17485861	3.1672185	21	2 7.9	19.5
171190 2005 JQ_{22}	16.5	X	110.78371	145.70866	341.04905	9.64428	0.2362146	0.25347986	2.4727132	21	6 2.9	20.4
171191 2005 JT_{22}	15.5	X	293.06828	276.79641	35.83521	2.30382	0.0617474	0.18746447	3.0235935	21	5 8.4	19.5
171192 2005 JX_{22}	15.9	X	333.28589	237.37698	200.40716	12.07919	0.0704122	0.22008917	2.7168788	21	12 21.6	19.5
171193 2005 JG_{25}	15.8	X	263.53189	221.96167	71.61577	2.66696	0.0840911	0.17652566	3.1472469	21	3 10.1	20.4
171194 2005 JJ_{27}	15.5	X	142.15418	127.89515	63.64189	13.47493	0.0320400	0.20114987	2.8848476	21	9 19.6	19.9
171195 2005 JY_{30}	15.7	X	320.50879	193.40563	200.59876	7.95954	0.2228084	0.21039563	2.7997004	21	9 18.8	18.4
171196 2005 JO_{31}	15.8	X	212.62786	202.46190	12.65453	8.43884	0.1348323	0.21856682	2.7294799	21	12 23.5	19.9
171197 2005 JF_{32}	15.8	X	168.97661	197.03956	207.23374	0.70328	0.0765560	0.18084418	3.0969416	21	4 11.5	20.5
171198 2005 JX_{43}	15.8	X	30.51995	242.41461	7.95580	1.75651	0.1162852	0.19210832	2.9746686	21	7 13.3	19.4
171199 2005 JH_{47}	15.2	X	250.63549	37.67456	50.46185	15.70167	0.1120739	0.20351225	2.8624793	21	9 9.7	19.6
171200 2005 JJ_{48}	15.1	X	7.22465	129.28852	76.81203	14.34716	0.0525018	0.17993836	3.1073264	21	4 13.4	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
171201 2005 JC_{49}	15.7	X	115.43555	345.07057	33.52078	11.21987	0.0716501	0.23312463	2.6146323	21	—	—
171202 2005 JS_{55}	14.6	X	138.75651	239.67737	50.98309	16.84457	0.1340893	0.15294712	3.4629152	21	12 31.5	20.3
171203 2005 JD_{57}	16.7	X	228.63964	347.40924	338.95083	0.97433	0.0375807	0.23797515	2.5789820	21	3 5.3	20.3
171204 2005 JD_{60}	15.2	X	347.85761	316.16906	194.81881	9.84057	0.0270740	0.16781054	3.2552915	21	1 5.8	19.9
171205 2005 JD_{61}	15.2	X	102.81170	19.56233	94.64560	12.23682	0.0780522	0.18089167	3.0963996	21	4 28.3	19.7
171206 2005 JE_{62}	15.8	X	23.70216	327.56099	206.79402	14.41704	0.0617750	0.24251093	2.5467238	21	3 5.6	19.1
171207 2005 JQ_{63}	14.4	X	242.92112	164.32803	123.24902	23.87736	0.0924263	0.17118632	3.2123536	21	2 9.3	19.3
171208 2005 JN_{64}	15.0	X	269.87739	300.93474	323.20413	13.02587	0.1240137	0.17541368	3.1605336	21	2 5.5	19.6
171209 2005 JJ_{65}	16.1	X	174.52741	101.76532	111.27858	5.00284	0.0420309	0.21076429	2.7964348	21	11 17.9	20.1
171210 2005 JA_{69}	14.7	X	249.21142	163.79834	128.85850	23.79879	0.0800530	0.17250269	3.1959904	21	2 23.6	19.6
171211 2005 JP_{69}	16.2	X	357.03727	17.37487	44.00868	9.14998	0.1734543	0.22109494	2.7086331	21	—	—
171212 2005 JA_{70}	16.4	X	189.27802	4.15857	244.64311	2.55467	0.1470139	0.21791243	2.7349416	21	—	—
171213 2005 JD_{72}	16.2	X	313.59385	232.60845	119.04595	1.91446	0.0795949	0.19879605	2.9075747	21	7 25.9	19.7
171214 2005 JL_{73}	15.6	X	184.09631	239.72278	214.81915	10.10635	0.0586244	0.19222149	2.9735010	21	6 27.9	20.1
171215 2005 JJ_{77}	15.4	X	176.50595	273.52413	299.49962	7.56347	0.0842869	0.21305543	2.7763506	21	11 14.9	19.7
171216 2005 JG_{85}	16.5	X	325.04270	3.35292	199.83500	5.10372	0.1594666	0.23476968	2.6024040	21	1 7.8	19.9
171217 2005 JN_{87}	14.6	X	218.02466	239.19424	90.88791	23.64008	0.2191315	0.17414565	3.1758571	21	3 10.9	20.4
171218 2005 JN_{89}	16.5	X	9.63891	16.66598	74.05003	2.37214	0.0332805	0.22769946	2.6559999	21	—	—
171219 2005 JU_{100}	16.1	X	13.29302	295.27485	213.16930	6.91543	0.1422320	0.23608496	2.5927292	21	1 10.4	19.0
171220 2005 JF_{105}	15.8	X	59.30118	132.84907	145.81714	2.78134	0.0481828	0.20530722	2.8457707	21	9 23.7	19.5
171221 2005 JD_{113}	15.9	X	123.96720	233.81501	260.48965	9.86242	0.1965401	0.25428626	2.4674827	21	6 23.6	19.7
171222 2005 JK_{125}	15.5	X	315.62444	322.91611	159.53839	8.69157	0.1400899	0.22121978	2.7076140	21	—	—
171223 2005 JY_{132}	15.3	X	322.85544	220.46059	106.92761	9.67021	0.0506352	0.19115892	2.9845097	21	7 9.9	19.2
171224 2005 JD_{136}	15.3	X	311.16792	207.23415	84.04906	10.92199	0.0705380	0.18607824	3.0385915	21	5 7.5	19.4
171225 2005 JR_{138}	16.1	X	317.99020	71.17345	221.01782	1.54097	0.0670387	0.18487734	3.0517358	21	5 15.5	20.2
171226 2005 JR_{142}	15.9	X	343.65571	43.61191	112.49492	8.89665	0.0589571	0.23208454	2.6224381	21	—	—
171227 2005 JS_{151}	16.2	X	289.22440	139.92196	348.98105	1.61496	0.0314911	0.22402462	2.6849666	21	12 27.4	19.6
171228 2005 JO_{153}	16.1	X	265.62047	49.11078	51.92759	23.89230	0.2227042	0.27368919	2.3494396	21	10 10.9	19.3
171229 2005 JZ_{154}	16.7	X	298.53387	257.44971	226.65115	5.10597	0.0813706	0.21819574	2.7325736	21	12 28.7	20.1
171230 2005 JB_{160}	16.1	X	226.70556	145.03799	30.09595	4.38042	0.0370670	0.21380866	2.7698262	21	12 1.5	20.0
171231 2005 JC_{160}	16.4	X	288.57263	63.32171	27.27462	3.29522	0.0387856	0.20992962	2.8038422	21	11 3.6	19.9
171232 2005 JK_{160}	15.8	X	28.56836	29.84511	199.04636	1.49057	0.1428171	0.18763881	3.0217203	21	6 12.3	19.3
171233 2005 JU_{163}	15.9	X	310.21631	139.95350	185.48448	9.04456	0.0354757	0.18923027	3.0047544	21	6 21.1	20.1
171234 2005 JO_{165}	15.5	X	214.07595	247.07995	177.88058	11.94762	0.0451186	0.19430822	2.9521739	21	6 26.1	20.0
171235 2005 JZ_{165}	16.2	X	239.96408	299.71295	169.18013	2.12777	0.0493391	0.20504390	2.8482066	21	9 23.2	19.9
171236 2005 JR_{177}	15.6	X	317.60039	82.08944	212.01318	7.22587	0.0691820	0.18578889	3.0417456	21	5 17.7	19.5
171237 2005 JZ_{177}	15.5	X	279.58080	211.05346	63.28104	5.96165	0.1325769	0.17629662	3.1499722	21	2 28.6	20.2
171238 2005 KR_{7}	15.0	X	350.41649	350.78468	235.49432	16.41235	0.1424741	0.17920929	3.1157483	21	3 26.6	19.1
171239 2005 KO_{10}	15.1	X	287.92979	269.70261	62.32842	11.72006	0.0585882	0.18482705	3.0522893	21	5 27.3	19.2
171240 2005 KA_{11}	15.5	X	296.79641	308.80442	263.97236	12.27143	0.1522794	0.23043846	2.6349117	21	—	—
171241 2005 KY_{11}	14.6	X	211.24415	247.79693	91.81456	14.71704	0.0888947	0.17186249	3.2039223	21	3 16.6	19.8
171242 2005 LJ_{5}	14.4	X	249.34539	192.09098	85.46001	20.95206	0.0628029	0.17047605	3.2212700	21	2 9.9	19.5
171243 2005 LP_{8}	15.1	X	26.34033	253.43090	236.31451	20.62273	0.1541764	0.23213545	2.6220546	21	1 5.0	18.2
171244 2005 LT_{8}	15.6	X	205.58332	172.30478	143.78392	2.02354	0.1208965	0.16785982	3.2546544	21	2 5.3	20.6
171245 2005 LF_{9}	15.7	X	108.56347	321.82084	222.63383	8.52870	0.0175559	0.19201025	2.9756814	21	7 18.4	20.0
171246 2005 LD_{36}	16.4	X	236.35436	206.69127	95.07902	2.50528	0.0251257	0.23452580	2.6042078	21	2 13.2	20.0
171247 2005 LJ_{38}	15.1	X	272.74147	152.61314	102.40991	10.59651	0.0277994	0.17011535	3.2258218	21	2 10.9	19.8
171248 2005 LC_{49}	14.9	X	191.17251	305.30139	96.28038	12.26129	0.0451754	0.18099740	3.0951936	21	5 6.2	19.6
171249 2005 MV_{1}	15.3	X	277.55865	193.49732	136.46268	30.09172	0.1562883	0.24033745	2.5620548	21	5 4.8	19.7
171250 2005 MU_{14}	15.4	X	171.52283	309.38084	148.97785	10.46217	0.0415052	0.18819320	3.0157831	21	6 19.8	19.9
171251 2005 MU_{35}	15.6	X	12.37511	213.90689	118.67580	11.42052	0.1082188	0.19091463	2.9870552	21	10 7.8	19.5
171252 2005 MF_{53}	15.3	X	344.76808	19.97492	283.16402	9.67970	0.0521093	0.18130854	3.0916515	21	7 9.2	19.3
171253 2005 NJ_{12}	13.4	X	33.25080	210.86691	179.30824	2.34434	0.0539088	0.08128209	5.2780418	21	12 13.5	20.1
171254 2005 NH_{56}	15.6	X	12.09463	259.34093	243.48460	15.89306	0.1307515	0.23192712	2.6236246	21	1 1.9	18.7
171255 2005 NX_{89}	15.7	X	331.80546	274.86830	308.52316	13.22053	0.0752946	0.22790862	2.6543747	21	2 22.9	19.3
171256 Lucieconstant	15.6	X	23.10231	142.29135	143.96071	1.76416	0.0341801	0.18382202	3.0634046	21	8 10.8	19.7
171257 2005 QP_{77}	15.2	X	286.88189	221.80397	72.42412	2.27307	0.1040692	0.16806654	3.2519851	21	4 4.6	19.9
171258 2005 QW_{84}	14.3	X	23.22378	40.97370	290.10861	2.40754	0.1367724	0.12490410	3.9635552	21	10 9.1	19.4
171259 2006 BM_{103}	16.5	X	168.47200	350.47342	309.27427	1.29024	0.1454535	0.24580868	2.5238947	21	—	—
171260 2006 BN_{132}	17.1	X	173.83737	134.86728	177.81092	2.80336	0.2218664	0.31199641	2.1529617	21	—	—
171261 2006 DA_{33}	17.1	X	99.75886	134.88177	171.76422	5.02615	0.1169193	0.29662871	2.2266943	21	—	—
171262 2006 DA_{80}	17.0	X	3.30704	166.52624	172.80513	4.83298	0.1737359	0.28770880	2.2724829	21	10 22.1	18.8
171263 2006 DV_{84}	16.7	X	36.64717	65.31355	184.00164	5.89864	0.0749513	0.27649946	2.3334931	21	7 16.9	19.2
171264 2006 DJ_{92}	17.2	X	89.50813	145.82396	184.22163	3.81900	0.1980673	0.29956733	2.2121085	21	—	—
171265 2006 DQ_{107}	17.6	X	222.96202	106.53209	170.75217	1.78417	0.1066320	0.31317956	2.1475359	21	—	—
171266 2006 DU_{115}	17.0	X	33.15083	147.95098	145.81271	3.89743	0.2205995	0.27878782	2.3207063	21	10 14.7	19.3
171267 2006 DQ_{126}	16.8	X	62.74256	57.22677	196.06571	3.09314	0.2221225	0.28091540	2.3089739	21	9 27.8	19.7
171268 2006 DD_{185}	17.1	X	74.00110	4.26678	329.57562	4.04245	0.1349670	0.29709837	2.2243470	21	—	—
171269 2006 DX_{189}	17.2	X	32.36370	40.77122	281.92932	1.99572	0.1820415	0.28737885	2.2742220	21	11 16.7	19.7
171270 2006 DP_{192}	17.0	X	161.48831	223.19152	59.72438	4.20138	0.1645393	0.30050071	2.2075254	21	—	—
171271 2006 EU_{6}	16.8	X	12.93639	342.90127	301.89786	1.37895	0.2197331	0.27605560	2.3359937	21	8 15.7	18.1
171272 2006 ED_{47}	17.4	X	104.75232	275.48685	26.79790	4.14288	0.1484921	0.29889072	2.2154456	21	—	—
171273 2006 FR	16.3	X	225.95518	232.87479	14.28017	5.52148	0.1616843	0.30566207	2.1826043	21	—	—
171274 2006 FR_{2}	16.2	X	39.42601	262.17579	32.36246	6.55526	0.1696987	0.27949858	2.3167703	21	10 15.9	18.6
171275 2006 FE_{4}	17.0	X	149.68690	248.31094	19.21689	5.19078	0.1603697	0.29520896	2.2338278	21	—	—
171276 2006 FP_{12}	16.7	X	63.04815	249.83305	24.44342	10.32488	0.1029868	0.28167471	2.3048225	21	10 10.6	19.5
171277 2006 FF_{23}	16.7	X	37.32688	228.98468	36.38950	3.46756	0.1994068	0.27346871	2.3507022	21	9 4.5	18.9
171278 2006 FS_{27}	16.7	X	126.44622	280.62367	55.36459	2.39441	0.1753048	0.30147741	2.2027550	21	—	—
171279 2006 FV_{29}	17.2	X	92.87915	99.30790	174.13354	1.61541	0.1505112	0.28437497	2.2902091	21	11 19.5	20.5
171280 2006 FY_{34}	16.9	X	293.08985	69.41073	17.99743	21.04502	0.0890053	0.35852551	1.9624082	21	11 26.7	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
171281 2006 FJ_{36}	16.6	X	149.54837	206.20975	47.93539	3.91808	0.1487912	0.29409235	2.2394785	21	12 20.4	20.0
171282 2006 FK_{41}	16.9	X	19.67473	270.98837	69.26400	2.60797	0.1953091	0.28338576	2.2955356	21	11 24.2	19.0
171283 2006 FK_{47}	16.4	X	151.88018	182.30909	93.34238	10.59846	0.2052483	0.29488538	2.2354617	21	—	—
171284 2006 FL_{47}	16.6	X	47.17564	15.04682	194.27995	4.80135	0.1500108	0.26979564	2.3719895	21	6 15.9	18.9
171285 2006 FM_{49}	17.3	X	330.89198	149.57962	9.82082	20.55750	0.0872948	0.37959277	1.8891108	21	—	—
171286 2006 FF_{51}	15.3	X	141.37596	42.79395	211.58896	15.12391	0.2813752	0.22486063	2.6783075	21	12 4.4	20.3
171287 2006 GK_{3}	16.9	X	346.21776	254.64767	45.10157	8.05208	0.1985230	0.27026593	2.3692371	21	6 27.7	18.7
171288 2006 GY_{21}	16.8	X	234.93509	226.88426	98.64608	3.34074	0.2051371	0.25341925	2.4731074	21	3 3.4	20.9
171289 2006 GE_{31}	17.5	X	326.76912	116.23581	199.50752	6.63354	0.1175205	0.26811648	2.3818827	21	6 20.9	20.0
171290 2006 GA_{32}	17.2	X	114.63426	137.88306	79.09057	2.97120	0.1734288	0.28037236	2.3119543	21	10 2.1	20.7
171291 2006 GH_{35}	16.4	X	10.52238	77.27321	183.25176	7.47930	0.1290828	0.26995783	2.3710394	21	6 20.6	18.7
171292 2006 GS_{38}	16.8	X	201.64830	151.99278	98.64977	3.36236	0.1276768	0.30071085	2.2064969	21	—	—
171293 2006 GV_{38}	16.3	X	210.14524	253.73031	359.76273	8.68788	0.0914512	0.30238550	2.1983428	21	—	—
171294 2006 GX_{38}	17.0	X	27.25050	58.81428	182.55382	2.26364	0.1830395	0.26854746	2.3793337	21	6 30.7	18.9
171295 2006 HD_{1}	15.6	X	304.43390	353.74337	209.52642	4.44451	0.1625306	0.18338498	3.0682698	21	—	—
171296 2006 HN_{1}	16.8	X	182.50188	169.76965	112.86271	6.81208	0.1870608	0.30150655	2.2026131	21	—	—
171297 2006 HX_{2}	16.0	X	37.57630	114.01144	189.98548	9.40774	0.0118265	0.21753790	2.7380797	21	9 22.5	19.8
171298 2006 HV_{3}	16.5	X	335.31220	268.68933	65.81574	7.58345	0.1255036	0.27422523	2.3463769	21	8 10.3	18.7
171299 2006 HK_{6}	16.3	X	66.27660	291.58546	10.35246	10.21940	0.2251384	0.28401015	2.2921699	21	12 3.6	19.8
171300 2006 HV_{7}	16.8	X	350.85851	121.10257	44.78616	22.69174	0.0412593	0.37960966	1.8890548	21	—	—
171301 2006 HS_{13}	16.5	X	26.04710	269.29348	53.88730	4.56432	0.1846635	0.27911687	2.3188820	21	11 7.4	18.8
171302 2006 HQ_{23}	16.4	X	225.50113	323.42360	50.11661	9.64212	0.2531134	0.26215013	2.4178870	21	4 21.4	20.5
171303 2006 HE_{29}	16.9	X	291.79426	241.50138	96.24994	3.50838	0.2071088	0.26577469	2.3958538	21	5 13.4	20.0
171304 2006 HH_{30}	15.9	X	166.89555	34.90525	220.90097	13.45519	0.2242887	0.22802830	2.6534458	21	12 23.9	20.6
171305 2006 HJ_{30}	15.5	X	213.42214	87.23793	192.38656	4.64229	0.2408637	0.23884234	2.5727357	21	—	—
171306 2006 HP_{34}	16.9	X	200.79387	208.10193	110.45615	3.62032	0.1450764	0.31183908	2.1536859	21	1 13.7	20.0
171307 2006 HJ_{35}	16.9	X	180.01720	218.59049	53.97798	2.41590	0.1566000	0.23333021	2.6130962	21	—	—
171308 2006 HE_{38}	16.6	X	149.23778	223.69126	59.67440	7.99942	0.2602899	0.22999527	2.6382955	21	—	—
171309 2006 HG_{42}	16.8	X	110.08799	22.39133	271.10634	3.49152	0.1732583	0.29072473	2.2567393	21	—	—
171310 2006 HN_{43}	16.1	X	320.59689	271.60034	68.31485	14.09199	0.2103542	0.26872638	2.3782774	21	7 2.7	18.4
171311 2006 HM_{44}	17.8	X	325.88459	98.02886	68.90944	2.73660	0.0969597	0.30915924	2.1661136	21	—	—
171312 2006 HS_{46}	16.7	X	55.31616	112.86394	179.23011	6.68235	0.1395988	0.28055320	2.3109607	21	10 31.1	19.6
171313 2006 HB_{48}	16.5	X	75.63981	237.47747	74.67656	7.01163	0.2041787	0.28639431	2.2794311	21	12 25.8	19.9
171314 2006 HL_{51}	17.0	X	118.97302	325.35431	257.45770	3.40466	0.1235210	0.28125224	2.3071299	21	10 7.6	20.3
171315 2006 HD_{52}	16.9	X	129.55161	146.84367	63.69497	24.00721	0.0353399	0.34816949	2.0011312	21	10 21.4	19.6
171316 2006 HK_{54}	16.9	X	6.31343	69.34746	217.75781	2.19950	0.1681947	0.27109282	2.3644168	21	7 27.1	18.6
171317 2006 HQ_{63}	17.7	X	204.40880	191.19228	66.46932	3.79656	0.1465164	0.30132198	2.2035124	21	—	—
171318 2006 HW_{67}	17.1	X	16.01486	65.96745	237.94911	1.85829	0.1767012	0.27334484	2.3514124	21	9 16.7	19.1
171319 2006 HJ_{75}	16.8	X	4.63665	259.01455	125.85283	10.31134	0.0637459	0.28809349	2.2704595	21	12 15.5	19.4
171320 2006 HO_{78}	17.2	X	339.56637	84.38674	206.14173	2.95306	0.1901717	0.26786609	2.3833668	21	5 27.7	19.0
171321 2006 HR_{80}	17.4	X	5.85438	39.92297	257.52250	0.66113	0.1772972	0.27035507	2.3687162	21	8 14.2	18.9
171322 2006 HY_{90}	16.4	X	88.08092	179.69940	85.43806	7.21060	0.1155566	0.28148025	2.3058839	21	11 1.9	19.6
171323 2006 HD_{91}	16.4	X	338.96717	222.82548	128.54445	5.16701	0.0860223	0.21176447	2.7876227	21	9 5.9	19.6
171324 2006 HQ_{96}	17.1	X	247.69779	305.23995	74.76683	1.72282	0.2272096	0.26456166	2.4031716	21	5 18.1	20.7
171325 2006 HD_{101}	16.2	X	91.32041	169.77628	160.21328	4.09765	0.1822171	0.22545910	2.6735658	21	—	—
171326 2006 JA_{1}	16.1	X	340.68115	28.52854	253.02228	11.70361	0.1819034	0.26421687	2.4052618	21	5 15.5	18.4
171327 2006 JF_{10}	17.4	X	107.15462	10.99949	13.05161	1.75222	0.1322502	0.30567099	2.1825619	21	—	—
171328 2006 JS_{17}	17.0	X	73.34249	213.29385	141.39277	2.72452	0.1819637	0.22760309	2.6567496	21	—	—
171329 2006 JM_{27}	16.4	X	170.97410	207.50987	48.07450	4.47932	0.1149506	0.23104847	2.6302720	21	—	—
171330 2006 JQ_{37}	17.1	X	193.41781	243.18025	59.87723	8.19836	0.1958847	0.24036133	2.5618851	21	1 2.5	21.4
171331 2006 JU_{39}	16.3	X	32.27058	274.89113	75.58135	7.36038	0.1521096	0.28305627	2.2973167	21	12 19.5	19.0
171332 2006 JR_{45}	15.8	X	240.86515	123.78421	229.19645	7.86018	0.0846601	0.18410456	3.0602696	21	4 23.4	20.4
171333 2006 JE_{46}	16.2	X	312.62208	19.29939	223.41425	5.29699	0.1274665	0.24661781	2.5183713	21	2 12.6	19.6
171334 2006 JB_{47}	16.6	X	215.69492	91.17014	176.48576	4.95859	0.1134822	0.24054815	2.5605585	21	—	—
171335 2006 JE_{48}	16.6	X	85.24778	68.25362	241.12695	6.39202	0.1421171	0.28734380	2.2744069	21	12 26.4	19.9
171336 2006 JT_{54}	17.0	X	44.13891	33.66566	219.56510	4.34974	0.2079474	0.26986162	2.3716029	21	8 26.1	19.5
171337 2006 JE_{59}	17.4	X	19.80798	73.85315	180.39706	1.14509	0.1514091	0.26866217	2.3786564	21	7 1.9	19.4
171338 2006 JZ_{60}	16.8	X	293.47917	175.92980	182.24125	0.78433	0.2027943	0.26915616	2.3757451	21	6 13.8	19.7
171339 2006 KM_{2}	17.0	X	357.04885	13.90954	242.63715	2.57711	0.1409727	0.26403830	2.4063462	21	5 15.8	19.3
171340 2006 KG_{4}	16.6	X	169.43212	51.70712	237.92799	5.77532	0.2112898	0.23401847	2.6079702	21	—	—
171341 2006 KP_{4}	16.3	X	169.85714	113.95441	217.68762	4.06669	0.2104665	0.23865378	2.5740907	21	1 16.2	20.4
171342 2006 KY_{9}	16.1	X	97.09667	142.92203	183.62404	3.40697	0.1771368	0.22573182	2.6714119	21	—	—
171343 2006 KN_{10}	16.0	X	32.40659	99.77213	208.09754	2.42770	0.1834195	0.21129061	2.7917890	21	10 14.2	19.1
171344 2006 KA_{15}	16.3	X	172.14922	233.15293	99.22927	14.32433	0.1763817	0.23950984	2.5679535	21	1 17.8	20.3
171345 2006 KH_{21}	16.3	X	336.47521	12.54722	247.70550	7.37689	0.2030714	0.25892107	2.4379481	21	3 29.2	18.9
171346 2006 KP_{23}	17.0	X	112.68297	177.86347	83.04672	2.86500	0.1060499	0.28413668	2.2914894	21	11 20.8	20.3
171347 2006 KU_{23}	16.7	X	165.61378	270.78338	347.25044	8.61693	0.1580486	0.29389927	2.2404592	21	—	—
171348 2006 KU_{27}	17.0	X	268.70073	242.86331	53.64761	3.96862	0.1439686	0.25302936	2.4756473	21	3 3.7	20.7
171349 2006 KT_{42}	16.7	X	196.77691	240.31646	81.70713	2.64473	0.1454802	0.24351031	2.5397510	21	1 25.6	20.8
171350 2006 KA_{46}	16.2	X	50.65855	140.19163	167.81183	2.71590	0.1729883	0.21460625	2.7629592	21	11 8.9	19.9
171351 2006 KD_{61}	15.9	X	214.68914	117.89264	187.49559	8.04964	0.0955041	0.17843482	3.1247575	21	1 29.4	20.8
171352 2006 KB_{65}	16.3	X	286.69424	166.18812	123.89816	1.46515	0.1940946	0.18341456	3.0679399	21	3 16.3	20.9
171353 2006 KR_{65}	16.9	X	30.15667	270.32934	62.11380	7.43742	0.1377617	0.28088558	2.3091373	21	11 19.3	19.5
171354 2006 KU_{65}	15.8	X	132.29188	100.53494	232.67722	13.09285	0.2062382	0.23275222	2.6174204	21	—	—
171355 2006 KT_{68}	16.7	X	222.19324	61.36459	185.46114	13.23895	0.1054029	0.23621630	2.5917681	21	—	—
171356 2006 KV_{73}	16.2	X	9.10989	99.89443	157.79857	9.29727	0.0411613	0.19938329	2.9018628	21	6 15.0	20.1
171357 2006 KA_{83}	16.4	X	148.28321	35.46570	201.61309	6.40722	0.1766560	0.22131048	2.7068741	21	11 19.2	20.9
171358 2006 KT_{85}	15.2	X	119.32906	271.69770	70.85560	14.43189	0.2024477	0.23026067	2.6362679	21	—	—
171359 2006 KU_{104}	16.4	X	2.33134	111.79037	216.25969	3.08811	0.0972277	0.20992128	2.8039165	21	9 9.8	19.7
171360 2006 KE_{107}	17.0	X	267.02428	43.16406	263.58227	2.06742	0.1773642	0.25568716	2.4584617	21	3 8.2	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
171361 2006 KN_{108}	16.5	X	43.82564	168.27753	240.61595	3.43136	0.1569501	0.23699817	2.5860647	21	—	—
171362 2006 KV_{110}	17.2	X	78.39548	279.51585	11.28684	2.53784	0.1613055	0.28229314	2.3014551	21	11 26.5	20.4
171363 2006 KT_{121}	15.8	X	159.89227	73.80316	200.21207	12.68431	0.1481496	0.22669247	2.6638595	21	—	—
171364 2006 LG_{1}	15.2	X	168.65277	174.93525	190.12476	17.93843	0.2517942	0.17803070	3.1294843	21	3 2.6	20.8
171365 2006 LS_{1}	16.9	X	126.89369	92.90542	169.32353	3.27511	0.1477337	0.28556948	2.2838182	21	12 8.4	20.4
171366 2006 LE_{2}	15.6	X	277.40903	283.88339	297.63264	4.46055	0.2140178	0.24316427	2.5421600	21	—	—
171367 2006 LW_{3}	16.4	X	159.60598	75.54681	118.59790	7.39909	0.0380093	0.28094313	2.3088219	21	10 19.2	19.5
171368 2006 LV_{4}	15.2	X	111.51782	202.13193	107.80434	13.00487	0.0964989	0.22074752	2.7114743	21	—	—
171369 2006 LW_{5}	15.4	X	339.37189	28.71328	278.53777	11.78278	0.1056291	0.19537161	2.9414519	21	7 3.2	19.0
171370 2006 LX_{5}	15.7	X	245.36786	66.43169	110.14071	8.95326	0.1038807	0.22279952	2.6948000	21	12 19.8	19.4
171371 2006 LE_{7}	14.8	X	242.49137	232.85457	104.63658	17.37439	0.1017944	0.18163075	3.0879942	21	4 14.5	19.8
171372 2006 MK_{3}	15.6	X	203.62767	205.73255	120.45898	6.35122	0.1242651	0.17265393	3.1941238	21	2 15.4	20.6
171373 2006 MN_{14}	15.5	X	270.85017	337.92794	32.89349	24.49798	0.2113530	0.25695701	2.4503554	21	5 24.7	19.4
171374 2006 NE	15.3	X	99.85080	247.75847	66.18466	15.87453	0.1892212	0.22085158	2.7106225	21	—	—
171375 2006 OH	15.5	X	189.16840	86.14993	295.92186	8.77073	0.1126475	0.17873623	3.1212435	21	4 1.9	20.6
171376 2006 OM	16.0	X	280.71549	114.29293	217.00245	10.49974	0.0975238	0.18799625	3.0178889	21	5 11.9	20.2
171377 2006 OR_{8}	15.3	X	172.43701	66.35865	303.85813	8.29953	0.0932598	0.17400541	3.1775633	21	3 3.9	20.3
171378 2006 OV_{8}	16.3	X	9.33628	135.01690	130.85209	2.09367	0.1665601	0.26000557	2.4311641	21	6 28.4	18.1
171379 2006 OL_{9}	15.3	X	266.24338	260.97440	59.14209	12.09997	0.1497850	0.18293036	3.0733512	21	4 9.5	20.0
171380 2006 OM_{12}	15.8	X	215.20248	220.64550	63.46413	11.37779	0.1277166	0.23382325	2.6094216	21	—	—
171381 Taipei	15.5	X	287.71273	248.77699	92.44058	10.97876	0.0952663	0.19106742	2.9854625	21	6 3.5	19.7
171382 2006 OO_{17}	15.8	X	150.10728	213.73945	59.35217	15.08268	0.0789754	0.22185691	2.7024277	21	—	—
171383 2006 OE_{20}	15.4	X	304.63183	262.17451	33.91398	10.79101	0.0963813	0.18583133	3.0412824	21	4 27.4	19.3
171384 2006 PY_{6}	15.7	X	334.26648	220.70884	53.18678	2.64740	0.0729903	0.18702989	3.0282754	21	5 14.1	19.7
171385 2006 PW_{7}	16.3	X	288.21442	254.67870	86.89197	7.43608	0.1438057	0.25474163	2.4645413	21	5 24.8	19.5
171386 2006 PP_{9}	15.3	X	184.26043	247.59457	149.40923	9.77422	0.1046663	0.17761064	3.1344167	21	4 22.9	20.3
171387 2006 PR_{9}	16.8	X	20.81680	206.74614	111.90946	2.36147	0.1983996	0.26788207	2.3832721	21	10 23.9	19.0
171388 2006 PL_{10}	16.0	X	178.58640	305.45508	304.71728	3.79815	0.0698448	0.21875214	2.7279381	21	—	—
171389 2006 PV_{12}	15.7	X	309.14544	11.93708	297.24088	1.56274	0.1032233	0.18636478	3.0354761	21	5 19.6	19.6
171390 2006 PK_{13}	14.7	X	206.73053	14.46047	295.47801	14.26492	0.0994199	0.16893102	3.2408812	21	1 28.7	19.7
171391 2006 PK_{27}	15.4	X	232.63431	259.15355	43.27969	25.74547	0.2719155	0.17477411	3.1682394	21	2 19.8	21.4
171392 2006 PX_{29}	16.1	X	349.21322	169.57649	78.69997	6.72515	0.0766497	0.25209059	2.4817896	21	4 27.9	18.9
171393 2006 PH_{32}	15.1	X	170.79479	1.84545	0.76701	7.98816	0.1144077	0.16900909	3.2398831	21	2 28.0	20.1
171394 2006 PD_{39}	15.8	X	257.89230	254.87114	9.94450	5.26295	0.1584093	0.17432474	3.1736817	21	1 23.6	20.9
171395 2006 QN_{27}	16.8	X	166.82431	322.85825	313.85863	5.51084	0.1527413	0.28628546	2.2800088	21	—	—
171396 Miguel	16.7	X	67.98692	231.22719	60.77469	3.76114	0.1490138	0.26954607	2.3734534	21	11 13.9	19.7
171397 2006 QT_{40}	15.1	X	188.85613	305.22084	100.33217	11.13688	0.1032875	0.17986339	3.1081898	21	5 8.2	20.1
171398 2006 QH_{42}	15.0	X	90.90541	253.88835	116.77129	5.92431	0.2085996	0.15497135	3.4326940	21	—	—
171399 2006 QL_{66}	15.8	X	12.13090	173.40035	179.43558	1.89113	0.0583722	0.20436505	2.8545104	21	10 26.0	19.3
171400 2006 QZ_{98}	15.8	X	234.32129	131.70277	340.84424	6.20337	0.0964291	0.26306093	2.4123027	21	9 18.7	19.0
171401 2006 QC_{129}	14.6	X	339.88557	106.66388	117.89851	17.86127	0.0816357	0.17514595	3.1637536	21	3 27.4	19.1
171402 2006 QL_{133}	15.3	X	127.51158	299.29645	97.08797	28.15698	0.1707483	0.23345405	2.6121720	21	2 27.8	19.6
171403 2006 QV_{136}	15.6	X	88.56723	0.47576	305.04772	3.02626	0.0587611	0.21241547	2.7819242	21	12 3.9	19.5
171404 2006 QR_{141}	16.0	X	108.19900	256.09297	35.96268	4.87479	0.0435852	0.21091737	2.7950815	21	12 7.9	20.0
171405 2006 QS_{144}	16.0	X	97.98939	276.63059	51.61079	3.24591	0.2372017	0.21498703	2.7596958	21	—	—
171406 2006 QV_{145}	15.8	X	265.10751	211.28948	7.41928	2.94953	0.1231719	0.22664767	2.6642105	21	—	—
171407 2006 QV_{148}	15.9	X	317.64453	287.84510	100.45575	3.31951	0.1072885	0.19597157	2.9354454	21	9 18.7	19.4
171408 2006 QF_{150}	16.6	X	225.51753	324.81017	222.07563	1.39996	0.0455495	0.21405085	2.7677365	21	12 14.2	20.3
171409 2006 QV_{162}	16.6	X	219.02303	264.07808	307.79930	6.41510	0.0735866	0.28219929	2.3019653	21	—	—
171410 2006 QZ_{167}	15.4	X	291.75903	175.82490	118.22528	7.35874	0.0577082	0.17874311	3.1211634	21	4 18.2	19.8
171411 2006 RO_{3}	15.0	X	256.30543	55.83461	237.60815	15.70527	0.1931812	0.17501764	3.1652996	21	2 13.2	20.5
171412 2006 RS_{35}	16.0	X	155.97303	148.53133	291.44013	9.35323	0.0789506	0.24134489	2.5549200	21	5 4.6	19.9
171413 2006 RK_{50}	15.9	X	152.38434	292.77424	26.15239	1.86222	0.0248694	0.21809331	2.7334291	21	—	—
171414 2006 RJ_{91}	15.8	X	114.79176	354.02232	74.75350	0.55343	0.1347837	0.16269612	3.3231601	21	3 22.3	20.6
171415 2006 RV_{99}	16.3	X	150.54753	264.79340	112.25109	9.25821	0.1506100	0.23239495	2.6201024	21	2 20.5	20.2
171416 2006 SL_{11}	15.3	X	48.51659	271.10975	66.69466	6.29877	0.1084994	0.20532419	2.8456139	21	12 1.7	19.2
171417 2006 SS_{153}	14.8	X	285.52518	191.54927	89.12771	10.39808	0.0332165	0.17389962	3.1788519	21	3 31.1	19.4
171418 2006 TH_{2}	15.3	X	26.92406	272.66432	273.08151	3.39179	0.0132291	0.17477103	3.1682766	21	4 5.7	19.8
171419 2006 UH_{107}	16.7	X	249.20914	143.50116	66.91737	5.99628	0.1212007	0.27820747	2.3239326	21	—	—
171420 2006 VX_{28}	13.7	X	233.91840	99.72585	49.86506	12.38510	0.1068170	0.12546821	3.9516661	21	10 22.4	19.6
171421 2007 AG_{11}	15.2	X	141.97029	257.81524	272.77800	9.28922	0.0290165	0.17657316	3.1466825	21	8 10.9	19.9
171422 2007 EL_{14}	16.6	X	68.98165	129.29409	190.67399	6.01679	0.0997074	0.24490239	2.5301176	21	12 10.8	20.2
171423 2007 MQ_{19}	16.3	X	249.53629	26.86654	248.25058	2.32238	0.1817762	0.25710293	2.4494281	21	1 12.8	20.3
171424 2007 NL_{2}	12.2	X	25.72806	102.40382	246.98914	16.51912	0.0179474	0.08384420	5.1699621	21	10 14.9	19.1
171425 2007 PC_{17}	16.5	X	320.96687	260.57612	73.90537	3.25785	0.2359343	0.27362216	2.3498233	21	6 19.7	18.4
171426 2007 PP_{18}	15.5	X	192.62039	99.58579	181.64515	1.61036	0.0875957	0.17271567	3.1933625	21	—	—
171427 2007 PB_{21}	16.3	X	11.32079	143.86395	176.38067	1.49691	0.1831381	0.21269831	2.7794574	21	9 24.6	19.0
171428 2007 PA_{26}	16.9	X	293.99965	116.28436	190.74697	1.59334	0.2109186	0.26764164	2.3846991	21	4 2.5	20.1
171429 Hunstead	15.3	X	203.33445	294.68919	20.37563	15.53895	0.0902072	0.17895704	3.1186755	21	2 6.7	20.4
171430 2007 RX_{10}	17.0	X	215.39374	232.48803	174.70487	0.61930	0.1866548	0.26220343	2.4175593	21	5 26.1	20.6
171431 2007 RC_{19}	16.3	X	116.48569	285.26234	350.12088	3.81688	0.0990174	0.22252659	2.6970030	21	12 2.1	20.3
171432 2007 RK_{19}	16.8	X	107.20872	66.99238	358.90388	6.75190	0.1455949	0.24473550	2.5312677	21	2 28.6	19.9
171433 Prothous	12.9	X	23.04692	220.67011	166.35023	5.53768	0.0548157	0.08188789	5.2519785	21	11 29.1	19.7
171434 2007 RO_{38}	16.5	X	250.83621	256.01841	43.32116	3.07693	0.1848526	0.25591855	2.4569795	21	2 13.8	20.5
171435 2007 RW_{67}	16.6	X	354.68209	17.06469	359.84992	6.43860	0.0847098	0.21761617	2.7374231	21	11 2.6	19.8
171436 2007 RF_{72}	15.0	X	205.61648	306.10288	13.59707	10.43073	0.0583653	0.17786779	3.1313950	21	2 12.1	19.8
171437 2007 RO_{83}	16.2	X	11.50020	282.58401	41.07774	2.03722	0.0740297	0.20965265	2.8063111	21	9 19.0	19.6
171438 2007 RG_{84}	16.1	X	54.18313	297.10229	48.05146	4.66651	0.1668854	0.22254227	2.6968763	21	12 29.2	20.0
171439 2007 RO_{89}	16.9	X	335.21199	278.12520	6.37661	2.39796	0.1820622	0.26952711	2.3735647	21	5 8.2	18.9
171440 2007 RT_{101}	16.6	X	25.87422	3.25935	0.53375	3.11705	0.1167011	0.22217734	2.6998287	21	12 8.8	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
171441 2007 RC_{106}	16.1	X	82.92053	164.87569	146.44033	1.86475	0.0856122	0.22128541	2.7070786	21	12 9.7	20.0
171442 2007 RU_{112}	17.1	X	74.69266	131.80928	171.39957	6.89693	0.1450895	0.29146542	2.2529144	21	12 9.6	20.3
171443 2007 RQ_{140}	16.1	X	45.23261	141.63174	179.70775	8.37783	0.1658586	0.21850617	2.7299849	21	11 19.4	19.8
171444 2007 RL_{141}	15.9	X	124.87786	128.86565	184.62273	11.60549	0.1709165	0.23283683	2.6167863	21	—	—
171445 2007 RT_{141}	16.7	X	245.31871	336.42171	11.01118	2.08804	0.2110185	0.26057468	2.4276230	21	4 5.7	20.7
171446 2007 RL_{142}	16.4	X	305.88251	343.51645	25.01134	4.95110	0.1655072	0.27249075	2.3563233	21	7 29.6	18.7
171447 2007 RO_{145}	15.9	X	48.74847	182.02154	203.39318	7.67292	0.2906070	0.22529418	2.6748703	21	—	—
171448 Guchaohao	17.5	X	24.59023	201.36614	102.07391	2.83719	0.2397171	0.28410626	2.2916529	21	10 18.7	19.6
171449 2007 RE_{223}	15.8	X	77.98354	173.03405	179.98123	13.93981	0.1893302	0.22688561	2.6623476	21	—	—
171450 2007 RO_{276}	15.6	X	326.89934	41.22770	19.39233	25.98627	0.2496205	0.21572765	2.7533759	21	11 5.3	18.2
171451 2007 SR_{7}	16.4	X	172.72477	132.27040	154.96275	3.91609	0.0747718	0.23354957	2.6114598	21	—	—
171452 2007 SZ_{13}	16.4	X	331.22821	59.29255	345.99535	3.31164	0.1382905	0.21372486	2.7705501	21	11 2.9	19.3
171453 2007 SH_{15}	16.8	X	284.35774	310.21678	44.07826	2.02942	0.1919180	0.26795352	2.3828483	21	5 27.9	19.7
171454 2007 SM_{17}	16.2	X	261.97782	300.07620	53.44534	7.33905	0.1682760	0.26411982	2.4058510	21	5 4.3	19.7
171455 2007 TR	15.4	X	324.41070	221.07996	221.47164	12.28482	0.0585918	0.22095690	2.7097611	21	12 14.9	18.9
171456 2007 TU_{11}	17.2	X	280.52798	141.56415	217.17170	2.67381	0.1894305	0.26806036	2.3822151	21	5 29.9	20.2
171457 2007 TS_{12}	15.3	X	280.08537	185.94429	147.82004	1.68341	0.1467979	0.19070542	2.9892393	21	5 7.2	19.4
171458 Pepaprats	16.9	X	316.89231	58.87029	325.83493	1.88828	0.2171230	0.27628090	2.3347236	21	9 8.3	18.4
171459 2007 TN_{176}	15.3	X	101.84550	190.20336	92.85890	12.32707	0.1067865	0.21847236	2.7302665	21	11 28.9	19.5
171460 2170 P–L	16.7	X	4.75679	86.84545	293.76535	2.71176	0.2071736	0.27632632	2.3344677	21	12 27.8	18.9
171461 2666 P–L	16.3	X	100.74843	229.24822	168.52526	5.02091	0.3249789	0.23239469	2.6201043	21	2 10.9	19.6
171462 4518 P–L	17.4	X	94.99666	207.04939	118.56072	1.82885	0.1103742	0.29488013	2.2354882	21	—	—
171463 6272 P–L	15.5	X	150.41996	73.70940	324.64531	3.95740	0.1964778	0.17177294	3.2050358	21	3 24.7	20.8
171464 6731 P–L	16.6	X	95.10449	327.23989	71.41162	2.65220	0.2110661	0.23247252	2.6195195	21	1 18.1	19.5
171465 Evamaria	14.7	X	303.15283	212.92258	159.97877	10.94468	0.2200894	0.12768698	3.9057548	21	7 15.2	19.8
171466 6862 P–L	17.5	X	99.60779	156.75724	171.96855	4.05608	0.1905938	0.29540531	2.2328378	21	—	—
171467 2040 T–1	15.8	X	355.26066	2.70500	184.71440	5.00250	0.2225642	0.23543922	2.5974678	21	1 21.8	18.6
171468 2252 T–1	16.4	X	346.76314	153.97281	106.23500	3.50149	0.1658656	0.25769204	2.4456936	21	4 29.9	18.6
171469 1103 T–2	15.1	X	157.03860	59.02577	3.48972	9.32884	0.0919623	0.17765631	3.1338795	21	4 19.9	19.9
171470 1275 T–2	16.2	X	190.92032	354.53456	20.38026	3.78377	0.3016671	0.17805856	3.1291580	21	4 1.7	21.9
171471 2112 T–3	16.4	X	83.77580	196.16626	260.29724	3.30952	0.2039561	0.23409144	2.6074282	21	3 15.7	19.5
171472 2195 T–3	16.2	X	104.85105	73.96915	269.38597	2.12632	0.1443013	0.23028028	2.6361182	21	—	—
171473 3182 T–3	16.8	X	219.24805	52.39947	29.69908	6.78942	0.1883831	0.26435213	2.4044413	21	7 15.6	20.6
171474 5064 T–3	16.6	X	322.20290	286.62491	90.64146	7.24489	0.1270836	0.26790486	2.3831369	21	9 21.9	19.0
171475 5151 T–3	16.4	X	264.86730	297.57474	88.96596	7.16247	0.1105935	0.26485922	2.4013713	21	6 29.5	19.4
171476 1993 RT_{4}	17.4	X	91.39599	89.13356	235.69502	1.26248	0.1705667	0.29021475	2.2593823	21	—	—
171477 1993 YL_{1}	15.8	X	349.04423	323.05930	70.97323	9.89329	0.1601045	0.21121182	2.7924832	21	11 23.1	18.6
171478 1994 EG_{5}	16.5	X	263.70317	152.41999	323.46719	7.40435	0.1196290	0.27499770	2.3419809	21	10 29.4	19.4
171479 1994 GP_{4}	17.2	X	117.34406	312.70718	215.72937	1.40480	0.1271860	0.26254643	2.4154532	21	7 24.9	20.7
171480 1995 EW_{3}	17.4	X	254.79658	252.69982	287.22772	0.95149	0.0909502	0.29107385	2.2549345	21	—	—
171481 1995 SN_{15}	15.6	X	153.36138	224.94725	332.70100	2.91329	0.1029571	0.19143710	2.9816178	21	10 2.3	20.3
171482 1995 SN_{34}	15.4	X	267.57259	313.15699	359.29526	11.07477	0.0530710	0.17746881	3.1360864	21	4 6.5	19.9
171483 1995 SO_{45}	17.6	X	274.92866	138.61551	235.78901	0.36147	0.1903330	0.26065974	2.4270948	21	6 13.6	20.9
171484 1995 VZ_{3}	15.3	X	186.17629	293.35057	58.90916	12.77560	0.1438477	0.17037752	3.2225118	21	3 7.9	20.7
171485 1995 YZ_{2}	14.5	X	20.03476	238.23548	290.08531	24.94074	0.2273443	0.23810932	2.5780131	21	2 5.3	17.0
171486 1996 MO	18.4	X	212.49349	4.73195	165.10397	6.08964	0.5125857	0.41014568	1.7940889	21	10 15.1	21.3
171487 1996 RA_{12}	15.8	X	186.58355	258.70057	118.75236	2.97466	0.1740490	0.18262735	3.0767497	21	3 31.7	20.9
171488 1996 TO_{16}	16.1	X	258.60901	149.82211	233.70580	6.03709	0.1546714	0.26946838	2.3739096	21	6 11.0	19.4
171489 1996 TB_{27}	16.9	X	248.09881	87.14103	21.44833	5.33832	0.0966693	0.27491716	2.3424382	21	10 4.6	19.6
171490 1996 TX_{31}	16.2	X	256.94895	356.46508	58.54514	7.24603	0.1149057	0.27041183	2.3683847	21	7 31.1	19.3
171491 1996 TT_{44}	17.6	X	32.11927	57.94874	306.71727	1.56307	0.1827780	0.28120969	2.3073626	21	—	—
171492 1996 VK_{1}	17.0	X	309.01167	173.31411	238.31587	2.40451	0.2229986	0.27432450	2.3458108	21	10 3.1	18.4
171493 1996 VQ_{13}	15.8	X	206.88813	145.11592	225.25327	9.40257	0.2046899	0.18085458	3.0968229	21	4 5.9	21.2
171494 1996 XS_{3}	15.4	X	235.62348	99.18605	6.87471	7.68442	0.0182373	0.19165269	2.9793814	21	9 17.9	19.5
171495 1996 XD_{24}	16.7	X	321.32753	297.91816	66.61087	2.62747	0.1486228	0.27123615	2.3635838	21	8 25.7	18.6
171496 1996 XY_{29}	17.3	X	271.71260	300.39628	70.71699	2.48950	0.1870492	0.26679715	2.3897287	21	6 5.3	20.2
171497 1997 BY_{2}	16.3	X	282.02285	18.95222	79.04592	3.68347	0.1811702	0.27051279	2.3677954	21	10 28.0	18.6
171498 1997 CD_{2}	15.5	X	173.84725	259.19981	115.17753	3.03628	0.2483613	0.17235471	3.1978195	21	3 20.9	21.0
171499 1997 GB_{17}	15.9	X	352.81379	20.05328	208.44995	3.81581	0.1478939	0.24599426	2.5226252	21	3 26.1	18.6
171500 1997 GJ_{20}	16.6	X	176.95810	144.54082	12.87222	1.66717	0.1232133	0.26041176	2.4286354	21	9 12.4	20.3
171501 1997 MZ_{5}	16.1	X	354.09051	180.51286	237.84159	10.37223	0.0232181	0.21716737	2.7411934	21	12 22.4	19.7
171502 1997 ND_{2}	15.1	X	348.52770	321.49431	256.30040	12.18392	0.2269485	0.23824455	2.5770375	21	2 14.7	18.2
171503 1998 DZ_{11}	16.7	X	196.84970	157.14400	24.30923	2.99111	0.1063921	0.27767561	2.3268992	21	11 6.2	19.9
171504 1998 EP_{5}	16.6	X	150.92876	80.16294	98.60082	7.55259	0.0617673	0.26933106	2.3747164	21	9 16.4	19.9
171505 1998 HV_{35}	17.0	X	270.73989	103.30205	96.98083	2.50469	0.1522159	0.28656102	2.2785469	21	—	—
171506 1998 HC_{44}	16.5	X	224.18872	130.35406	49.54919	2.69548	0.1654639	0.27939249	2.3173568	21	11 29.1	19.6
171507 1998 HC_{111}	16.3	X	111.91942	146.16798	79.21237	6.60640	0.1586299	0.26947917	2.3738462	21	10 9.9	19.9
171508 1998 MY_{13}	15.6	X	25.92136	103.13596	264.63050	10.59336	0.0900438	0.22496104	2.6775105	21	12 11.2	19.1
171509 1998 QV_{18}	15.7	X	182.16181	97.31536	223.76313	3.73844	0.2284534	0.23646383	2.5899591	21	1 15.5	20.2
171510 1998 QC_{23}	15.2	X	203.82854	218.64036	114.08106	5.47503	0.2585067	0.23992670	2.5649781	21	2 16.7	19.7
171511 1998 QY_{83}	15.8	X	166.96302	71.51019	249.85187	11.69625	0.2768613	0.23430803	2.6058211	21	1 6.4	20.3
171512 1998 RP_{20}	15.8	X	123.08148	81.65034	249.97909	11.07069	0.1973743	0.22525934	2.6751462	21	—	—
171513 1998 RJ_{63}	14.4	X	319.62453	257.47603	91.27652	4.10170	0.2436456	0.12399118	3.9829868	21	7 8.5	19.1
171514 1998 SG_{23}	15.5	X	168.03842	152.12144	163.99870	12.28906	0.1898390	0.23280471	2.6170270	21	—	—
171515 1998 SW_{48}	16.0	X	313.12362	217.49827	6.50361	4.20974	0.1998938	0.23564354	2.5959661	21	1 15.4	19.7
171516 1998 SQ_{92}	16.7	X	145.59030	24.73204	348.42830	1.59975	0.2254122	0.23434377	2.6055562	21	2 16.1	20.6
171517 1998 SQ_{155}	15.6	X	78.00999	261.88086	110.17243	5.02521	0.1214860	0.22613233	2.6682567	21	—	—
171518 1998 TO	15.8	X	114.89452	225.12576	130.28497	14.28801	0.1571577	0.22914950	2.6447834	21	—	—
171519 1998 US_{19}	15.8	X	94.27821	1.62973	41.97885	15.64196	0.1590536	0.22989361	2.6390733	21	1 19.1	19.3
171520 1999 AR_{19}	15.9	X	108.31089	92.13038	322.99109	2.55400	0.0703378	0.22367730	2.6877453	21	2 7.3	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
171521 1999 CH_3	15.2	X	45.24491	31.77842	66.01228	8.51221	0.3568928	0.22290208	2.6939734	21	1 14.7	16.4
171522 1999 CY_5	16.6	X	112.04925	98.98762	121.34208	20.40658	0.1492803	0.41862714	1.7697739	21	10 25.5	19.4
171523 1999 CE_{83}	15.8	X	64.70941	54.50836	14.55972	8.77271	0.3357544	0.22488151	2.6781417	21	1 29.2	17.9
171524 1999 CP_{111}	14.9	X	65.03685	319.16959	167.34600	12.38681	0.1314018	0.18227532	3.0807099	21	3 27.8	18.7
171525 1999 CW_{111}	15.5	X	306.03040	210.09159	300.13850	13.01234	0.1639910	0.21371331	2.7706500	21	—	—
171526 1999 HO_7	15.2	X	206.61429	6.53149	37.13319	11.37470	0.1210330	0.18237825	3.0795506	21	5 17.4	20.0
171527 1999 HT_9	16.5	X	300.54310	346.42817	219.97048	4.50879	0.1472626	0.30317133	2.1945423	21	—	—
171528 1999 JH_{28}	14.9	X	324.65328	27.23831	218.55141	9.88727	0.1632044	0.17501689	3.1653087	21	3 11.0	19.1
171529 1999 JK_{70}	15.1	X	62.80835	155.40386	65.04278	7.83886	0.1065776	0.18527300	3.0473894	21	7 22.1	19.2
171530 1999 JN_{102}	16.8	X	272.89357	158.84073	76.30240	6.41796	0.1766495	0.30155560	2.2023742	21	—	—
171531 1999 JR_{114}	17.0	X	182.03763	341.65589	250.58159	4.88877	0.2119545	0.28961408	2.2625053	21	12 18.8	20.5
171532 1999 JB_{134}	15.0	X	39.56501	166.87035	41.18024	10.92883	0.1561866	0.18146179	3.0899106	21	6 2.9	18.8
171533 1999 KC_{10}	16.4	X	144.08364	224.87605	46.00171	7.35786	0.1586766	0.28815966	2.2701119	21	—	—
171534 1999 NC_{48}	16.2	X	310.35004	74.49916	256.54444	5.93701	0.2728221	0.26559730	2.3969204	21	5 18.1	18.7
171535 1999 RZ_{11}	16.2	X	347.02444	338.09905	356.65336	6.11831	0.1658319	0.26920139	2.3754790	21	9 2.4	18.1
171536 1999 RH_{61}	16.1	X	325.74389	88.47240	326.83435	6.95002	0.2153689	0.27348291	2.3506208	21	11 23.2	17.7
171537 1999 RZ_{65}	16.8	X	314.92501	73.00633	311.89642	2.36471	0.1995113	0.26882338	2.3777053	21	9 4.8	18.5
171538 1999 RY_{66}	16.3	X	242.92171	34.20799	0.81455	6.89918	0.2029394	0.26110045	2.4243630	21	6 2.9	20.2
171539 1999 RJ_{86}	16.3	X	271.76424	324.23165	63.24041	4.02926	0.1787363	0.26311275	2.4119860	21	6 29.6	19.4
171540 1999 RX_{86}	16.6	X	305.82567	312.50392	8.68643	3.48755	0.1564726	0.26140698	2.4224673	21	5 16.9	19.3
171541 1999 RY_{108}	16.3	X	325.56352	23.11641	298.95619	5.80268	0.1312686	0.26332768	2.4106734	21	6 27.3	18.6
171542 1999 RH_{125}	16.1	X	166.82814	147.78746	178.49427	5.14131	0.1630462	0.24528832	2.5274630	21	1 2.3	20.0
171543 1999 RM_{134}	16.2	X	348.10332	67.36392	286.25252	4.69318	0.1163557	0.27074286	2.3664539	21	9 29.4	18.5
171544 1999 RJ_{144}	15.8	X	284.55625	76.79789	281.01421	5.10799	0.1243076	0.26276996	2.4140832	21	6 13.5	18.9
171545 1999 RR_{145}	16.8	X	24.68092	68.59590	299.83510	4.12470	0.2099133	0.27636588	2.3342450	21	—	—
171546 1999 RA_{154}	16.0	X	302.93393	150.76056	230.66772	3.15549	0.1472480	0.26727948	2.3868528	21	8 12.5	18.6
171547 1999 RH_{154}	16.2	X	271.60099	37.19649	321.16707	5.31980	0.1672559	0.26129311	2.4231711	21	5 20.0	19.6
171548 1999 RS_{161}	16.6	X	249.24244	40.46300	345.35704	1.92799	0.2055126	0.26106288	2.4245955	21	5 28.8	20.2
171549 1999 RE_{209}	16.4	X	329.24722	53.73971	306.21116	5.27344	0.1535141	0.26671435	2.3902232	21	8 30.8	18.5
171550 1999 SK_{15}	16.4	X	281.31881	54.66944	256.77633	11.76376	0.2256944	0.25819820	2.4424962	21	3 18.4	20.3
171551 1999 TK_7	16.3	X	272.88544	50.84690	11.22746	2.74267	0.2104298	0.26437438	2.4043063	21	8 15.3	19.1
171552 1999 TD_{12}	15.8	X	303.07839	245.80757	111.11878	3.30183	0.1973115	0.26211430	2.4181073	21	6 28.4	18.3
171553 1999 TG_{39}	16.3	X	99.97634	305.49141	107.95222	6.14481	0.2515442	0.24134260	2.5549362	21	2 19.9	19.4
171554 1999 TR_{57}	16.6	X	339.96529	150.64611	177.60214	1.34809	0.1851992	0.26432627	2.4045981	21	8 1.5	18.4
171555 1999 TF_{74}	17.1	X	228.87852	112.50569	268.28094	0.63297	0.2016725	0.25703027	2.4498897	21	5 3.8	21.1
171556 1999 TW_{129}	16.4	X	237.67222	85.52815	359.75704	8.98616	0.1868212	0.26369440	2.4084379	21	8 9.6	20.0
171557 1999 TO_{140}	16.1	X	152.42710	302.69806	10.92634	5.38280	0.1456350	0.23812233	2.5779192	21	—	—
171558 1999 TE_{147}	16.5	X	95.20819	177.99451	150.63526	3.99749	0.2091870	0.28014511	2.3132044	21	—	—
171559 1999 TU_{147}	16.2	X	305.37473	137.20308	288.03114	3.92713	0.1001401	0.27032723	2.3688789	21	10 29.1	18.7
171560 1999 TX_{161}	16.6	X	307.10911	296.53313	85.56044	3.27578	0.1662421	0.26526927	2.3988960	21	8 21.5	18.9
171561 1999 TT_{169}	16.9	X	245.29755	172.58258	270.15912	1.83311	0.1536680	0.26324075	2.4112041	21	8 15.1	20.1
171562 1999 TZ_{177}	15.0	X	276.22366	190.31835	204.79251	2.34305	0.2848287	0.12512437	3.9589023	21	6 30.6	20.8
171563 1999 TR_{178}	16.3	X	210.99581	24.27799	7.11063	6.22521	0.1398563	0.25419984	2.4680419	21	5 1.7	20.2
171564 1999 TX_{219}	16.4	X	89.65366	11.64819	299.01191	5.79532	0.1204317	0.27673859	2.3321487	21	12 29.7	19.8
171565 1999 TD_{227}	15.5	X	291.03567	60.91969	314.81125	10.30555	0.2222571	0.26270860	2.4144591	21	7 3.9	18.5
171566 1999 TG_{272}	15.8	X	185.21709	97.87501	239.66953	11.72488	0.1819646	0.24607688	2.5220606	21	1 30.4	20.1
171567 1999 TF_{284}	16.1	X	259.48778	330.16695	80.67594	7.69671	0.1283165	0.26113661	2.4241391	21	7 25.3	19.3
171568 1999 TJ_{286}	16.6	X	56.35921	16.75651	294.40900	4.88071	0.1577002	0.27297438	2.3535393	21	11 25.9	19.7
171569 1999 UD_3	17.3	X	63.62628	43.92606	21.16697	4.81215	0.2029124	0.23696000	2.5863424	21	—	—
171570 1999 UK_{28}	17.4	X	248.13872	259.25650	160.67358	1.43504	0.1516554	0.26211816	2.4180836	21	7 18.8	20.7
171571 1999 US_{38}	15.8	X	272.26348	55.71621	285.04944	3.84998	0.1469033	0.25714870	2.4491375	21	4 29.9	19.2
171572 1999 UJ_{42}	16.6	X	21.17381	212.68971	216.64275	23.63090	0.1224696	0.37062766	1.9194531	21	—	—
171573 1999 UH_{43}	16.2	X	213.88957	133.88656	282.24264	4.93725	0.2298387	0.25628926	2.4546097	21	6 3.3	20.4
171574 1999 VS_4	16.4	X	129.68263	344.83258	50.69992	2.52215	0.1591931	0.24356903	2.5393428	21	2 19.3	19.8
171575 1999 VM_5	15.8	X	285.94545	48.51931	331.98325	2.50943	0.1970299	0.26194951	2.4191213	21	7 6.6	18.6
171576 1999 VP_{11}	18.6	X	145.83984	61.73233	208.09573	17.27908	0.5835218	0.87122825	1.0857123	21	—	—
171577 1999 VW_{14}	16.4	X	277.10633	66.33855	352.34567	6.77427	0.0898125	0.26730044	2.3867280	21	9 6.0	19.0
171578 1999 VW_{21}	17.0	X	230.95553	334.77922	66.94146	0.82133	0.2191607	0.25613759	2.4555786	21	5 31.5	21.0
171579 1999 VD_{23}	16.1	X	338.52900	218.97577	119.72755	3.06752	0.2279152	0.26385275	2.4074741	21	8 14.3	17.3
171580 1999 VW_{42}	16.9	X	247.80528	144.77764	324.72331	1.75804	0.1627890	0.26560915	2.3968491	21	9 22.9	20.2
171581 1999 VE_{57}	16.0	X	15.45165	221.42377	221.58173	11.22660	0.1518510	0.23392627	2.6086554	21	—	—
171582 1999 VX_{80}	16.2	X	226.26444	25.20751	100.43934	3.15849	0.1194357	0.26415166	2.4056576	21	9 26.5	19.4
171583 1999 VQ_{88}	16.1	X	322.33813	134.68725	179.15917	1.98870	0.2235550	0.26042920	2.4285270	21	5 23.9	18.5
171584 1999 VF_{96}	16.4	X	72.06722	233.92458	222.87465	4.92629	0.1593312	0.24232330	2.5480382	21	2 15.4	19.1
171585 1999 VG_{104}	14.2	X	317.91970	106.14662	237.74426	8.56212	0.1626029	0.12423557	3.9777615	21	7 9.0	19.3
171586 1999 VR_{164}	16.4	X	239.49473	247.91610	249.16153	4.32891	0.1668088	0.26665421	2.3905826	21	10 18.5	19.6
171587 1999 VU_{168}	16.2	X	67.84456	109.83173	253.12677	8.58412	0.2050525	0.23118695	2.6292215	21	—	—
171588 Náprstek	16.2	X	226.29561	3.76237	15.13396	2.42143	0.2020815	0.25448365	2.4662066	21	4 28.9	20.1
171589 1999 WP_5	17.1	X	204.59523	2.70814	239.69704	19.35391	0.0395729	0.36816306	1.9280098	21	—	—
171590 1999 WH_7	16.1	X	69.38008	165.48821	265.40447	1.58263	0.1660915	0.23735029	2.5835064	21	1 9.2	18.5
171591 1999 WT_{10}	16.8	X	68.68131	28.71017	79.24591	4.07919	0.0892198	0.24181781	2.5515879	21	2 21.0	19.7
171592 1999 WN_{14}	16.2	X	129.69046	93.96103	67.03907	5.77957	0.2090701	0.25491966	2.4633937	21	8 6.2	20.2
171593 1999 XK_{40}	16.4	X	121.45759	351.43456	32.37661	3.66028	0.1792822	0.24090590	2.5580229	21	1 28.9	19.7
171594 1999 XZ_{40}	15.9	X	104.47762	150.54206	242.66994	11.85904	0.1798912	0.23951718	2.5679009	21	1 14.6	19.2
171595 1999 XM_{44}	15.9	X	129.41198	169.57359	265.66049	2.42650	0.1290320	0.24623208	2.5210006	21	4 4.4	19.5
171596 1999 XN_{47}	17.0	X	249.15968	348.25777	47.57910	2.15583	0.1906954	0.25757545	2.4464316	21	6 12.9	20.7
171597 1999 XV_{53}	16.2	X	13.13670	239.10528	227.44275	4.19624	0.1980265	0.23351632	2.6117076	21	—	—
171598 1999 XN_{57}	15.8	X	214.33098	115.69435	206.42768	3.06297	0.1082326	0.24360710	2.5390782	21	2 9.1	19.7
171599 1999 XJ_{63}	16.3	X	55.78024	48.63544	85.47519	9.03144	0.1355089	0.24178062	2.5518495	21	3 16.6	19.1
171600 1999 XN_{122}	13.6	X	303.50116	54.78801	300.28703	7.51914	0.1808976	0.12456207	3.9708074	21	6 30.9	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
171601 1999 XQ_{164}	16.2	X	348.14656	198.02527	300.67600	17.81970	0.0740396	0.36754175	1.9301820	21	—	—
171602 1999 XP_{172}	15.0	X	186.48281	275.22511	75.43865	13.85257	0.1884288	0.24087420	2.5582473	21	2 27.7	19.5
171603 1999 XA_{180}	15.6	X	65.96991	66.68105	78.47237	13.35603	0.1433370	0.24107946	2.5567950	21	4 21.8	18.7
171604 1999 XC_{218}	16.2	X	66.56818	190.93958	283.02465	9.72422	0.2176218	0.23806214	2.5783537	21	3 7.9	18.9
171605 1999 XB_{246}	15.9	X	67.95441	225.23767	217.00196	12.23404	0.1453485	0.23747053	2.5826342	21	1 16.9	18.9
171606 1999 YT_{16}	16.1	X	120.83863	121.01703	307.97636	3.26141	0.0375658	0.23947494	2.5682029	21	3 4.6	19.5
171607 2000 AU_{13}	15.5	X	26.00697	78.09327	81.90221	13.07287	0.2211638	0.23844711	2.5755778	21	2 25.2	17.9
171608 2000 AQ_{62}	15.7	X	11.57257	59.83310	98.32162	4.37033	0.1211003	0.23394133	2.6085435	21	1 25.7	18.6
171609 2000 AS_{86}	16.5	X	114.66554	298.17016	128.19531	5.16708	0.1911255	0.23972344	2.5664278	21	3 18.8	20.0
171610 2000 AL_{93}	16.5	X	108.84301	277.65668	117.75273	23.80462	0.1284298	0.37122864	1.9173809	21	—	—
171611 2000 AG_{113}	15.9	X	49.46220	253.41923	252.72720	7.72847	0.0735376	0.23962389	2.5671385	21	3 7.8	19.0
171612 2000 AS_{241}	15.9	X	81.16214	271.04736	187.15218	12.36039	0.1462320	0.23763660	2.5814308	21	3 4.0	19.0
171613 2000 AZ_{257}	15.6	X	326.62565	2.17942	177.99906	14.18572	0.1923003	0.22969662	2.6405819	21	—	—
171614 2000 BU_{6}	15.8	X	139.71103	275.10388	103.22560	5.45588	0.2093077	0.23769314	2.5810215	21	2 15.8	19.6
171615 2000 BE_{9}	16.4	X	299.49313	20.98356	144.26796	3.33074	0.0149856	0.22644247	2.6658198	21	—	—
171616 2000 BL_{22}	16.6	X	308.31246	75.55763	114.97846	2.03144	0.0885204	0.22905377	2.6455202	21	—	—
171617 2000 BY_{31}	16.6	X	65.40148	227.80606	240.15517	2.09597	0.2254072	0.23670242	2.5882183	21	3 3.1	19.0
171618 2000 BB_{37}	16.5	X	78.39359	3.58903	355.23716	0.65279	0.0689880	0.22342311	2.6897835	21	—	—
171619 2000 CX_{2}	15.9	X	34.38162	352.59977	101.13973	3.59809	0.1327871	0.23018301	2.6368608	21	—	—
171620 2000 CG_{40}	16.1	X	141.10909	50.05311	338.62864	19.19554	0.1405403	0.37292699	1.9115552	21	2 1.9	18.1
171621 2000 CR_{58}	16.5	X	73.76140	98.17588	302.61215	17.19376	0.1051452	0.36671034	1.9330983	21	—	—
171622 2000 CJ_{96}	16.5	X	98.23398	285.90351	128.01556	4.11265	0.1328472	0.23538965	2.5978325	21	1 29.8	19.5
171623 2000 CL_{98}	16.7	X	350.91888	237.51670	257.26770	0.64839	0.1018305	0.22845436	2.6501457	21	—	—
171624 Nicolemartin	15.9	X	124.45868	32.78005	315.02591	4.30101	0.1607778	0.22874383	2.6479094	21	—	—
171625 2000 CW_{112}	15.5	X	41.34473	4.57595	122.19862	4.29275	0.2013302	0.23218021	2.6217176	21	2 6.5	17.5
171626 2000 CU_{113}	16.3	X	84.34628	334.33794	122.78908	3.60749	0.1350038	0.23791696	2.5794025	21	3 9.2	19.2
171627 2000 CS_{135}	16.1	X	11.84667	304.49558	138.45878	5.61771	0.0578097	0.22477249	2.6790076	21	—	—
171628 2000 DE_{25}	15.3	X	203.06943	73.01024	168.13650	5.18373	0.1079777	0.22101412	2.7092934	21	—	—
171629 2000 DH_{73}	16.1	X	277.86544	354.96561	153.93228	2.88749	0.0807926	0.21826468	2.7319982	21	12 30.6	19.6
171630 2000 DB_{81}	16.3	X	62.38658	16.47663	90.25066	5.28610	0.1337913	0.23487930	2.6015942	21	2 15.3	19.1
171631 2000 DT_{97}	16.0	X	152.71899	43.44595	32.73233	5.03481	0.1698112	0.24308692	2.5426992	21	5 5.6	20.1
171632 2000 DJ_{100}	16.2	X	33.33907	58.76326	78.78791	5.09233	0.1853580	0.23319418	2.6141123	21	2 5.4	18.5
171633 2000 DQ_{108}	16.0	X	352.96973	114.79551	352.88329	3.15900	0.0618999	0.22522145	2.6754462	21	—	—
171634 2000 EQ_{10}	15.1	X	39.90345	310.88935	352.83101	12.19366	0.1458439	0.20550942	2.8439037	21	10 9.8	18.8
171635 2000 EA_{46}	16.6	X	91.29408	132.93322	354.01175	4.57657	0.2509258	0.23844354	2.5756035	21	5 14.5	20.1
171636 2000 EP_{64}	17.4	X	170.63094	40.21270	210.23000	2.02103	0.1293362	0.30695822	2.1764559	21	—	—
171637 2000 ES_{80}	16.4	X	35.07812	114.58147	13.86428	5.58903	0.2074295	0.23251309	2.6192147	21	1 26.9	18.6
171638 2000 ED_{88}	15.4	X	22.89696	177.28829	281.17888	12.16712	0.1426330	0.22758356	2.6569015	21	—	—
171639 2000 EC_{115}	15.8	X	224.71966	198.13225	240.42792	1.10810	0.0379978	0.20258645	2.8711935	21	7 27.5	19.8
171640 2000 EZ_{125}	15.9	X	122.01934	342.27957	149.71154	10.13187	0.1822759	0.24335822	2.5408091	21	6 18.3	19.9
171641 2000 EE_{134}	15.9	X	323.85776	117.21265	30.10411	13.54579	0.1992804	0.22339027	2.6900471	21	—	—
171642 2000 EK_{157}	15.4	X	335.89573	78.62491	84.75397	13.91213	0.2026273	0.22596116	2.6696041	21	—	—
171643 2000 EX_{171}	15.6	X	68.29977	54.10914	82.79699	8.55424	0.1690079	0.23640055	2.5904213	21	4 16.4	18.6
171644 2000 FJ_{7}	16.8	X	182.27204	138.19800	84.98392	0.35934	0.0165950	0.21292849	2.7774540	21	12 10.2	20.7
171645 2000 FL_{7}	15.4	X	241.01255	94.82113	190.23807	14.27697	0.1290632	0.17958402	3.1114125	21	1 28.2	20.5
171646 2000 FL_{14}	16.2	X	353.42503	33.09143	22.73847	3.51081	0.0807326	0.21428295	2.7657376	21	12 22.9	19.5
171647 2000 FU_{14}	15.9	X	341.06885	136.34661	19.17760	14.33870	0.2110291	0.22619639	2.6677529	21	—	—
171648 2000 FS_{27}	15.5	X	167.33298	29.42468	190.34184	14.29934	0.0561843	0.21058090	2.7980581	21	11 18.1	19.8
171649 2000 FQ_{63}	15.7	X	31.26820	82.15280	25.63247	12.35672	0.1238480	0.22808029	2.6530425	21	—	—
171650 2000 FW_{71}	15.5	X	283.22530	125.62663	76.64760	15.80230	0.0919659	0.22357084	2.6885984	21	—	—
171651 2000 GK_{24}	15.9	X	294.62321	142.54245	5.05947	6.56446	0.1152001	0.21861096	2.7291125	21	—	—
171652 2000 GQ_{37}	16.2	X	340.48262	297.18385	200.07256	1.71310	0.1508262	0.22333135	2.6905202	21	—	—
171653 2000 GV_{60}	16.2	X	339.84353	59.85886	63.29981	2.53318	0.1095612	0.22116869	2.7080309	21	—	—
171654 2000 GO_{132}	16.2	X	288.30176	100.08586	33.54106	4.58060	0.0483350	0.21534643	2.7566244	21	12 28.7	19.8
171655 2000 GW_{140}	16.1	X	324.04851	115.58078	85.29614	14.15878	0.2052056	0.22683193	2.6627676	21	—	—
171656 2000 GW_{167}	16.2	X	258.31881	106.43981	134.75360	2.89396	0.1491576	0.22282244	2.6946153	21	—	—
171657 2000 GH_{176}	16.1	X	73.26197	118.26533	8.97446	5.60013	0.2440469	0.23512309	2.5997955	21	4 18.2	18.9
171658 2000 HK_{84}	15.0	X	26.99545	99.97467	75.17955	22.62470	0.1868525	0.23591470	2.5939765	21	4 3.6	18.0
171659 2000 HR_{94}	14.8	X	239.42252	83.85625	231.25080	17.67461	0.2163559	0.17811919	3.1284477	21	2 21.9	20.4
171660 2000 JH_{13}	15.8	X	157.89452	265.81676	24.03600	2.06839	0.0701600	0.21412961	2.7670578	21	—	—
171661 2000 JZ_{17}	15.3	X	252.72969	77.65751	234.89659	24.44663	0.3368249	0.17824248	3.1270050	21	2 19.6	21.3
171662 2000 JF_{30}	15.7	X	257.30708	289.47311	241.92618	11.71111	0.2296725	0.21480200	2.7612804	21	12 8.0	19.3
171663 2000 JS_{41}	15.5	X	303.79422	237.92505	45.97835	10.59596	0.1312821	0.18571903	3.0425084	21	4 9.1	19.6
171664 2000 KW	15.9	X	348.22835	270.10752	47.32441	2.99509	0.0732816	0.19506220	2.9445615	21	8 3.8	19.6
171665 2000 KK_{23}	17.1	X	160.49874	230.37989	75.47356	4.60212	0.2651984	0.30565271	2.1826489	21	—	—
171666 2000 KD_{51}	17.3	X	267.78235	63.99345	252.94900	2.26131	0.1298727	0.32407429	2.0991316	21	3 18.6	19.9
171667 2000 NU_{14}	17.1	X	76.77892	234.28215	119.78314	4.86336	0.2512160	0.29545128	2.2326062	21	—	—
171668 2000 NZ_{17}	16.4	X	167.11738	323.53723	333.57288	6.22506	0.1795836	0.30300952	2.1953235	21	—	—
171669 2000 OM_{54}	15.0	X	272.22067	54.25644	290.62485	8.32249	0.0929462	0.18195545	3.0843193	21	5 17.6	19.5
171670 2000 OX_{59}	16.5	X	30.80308	26.51625	295.54351	4.86489	0.1545824	0.28720608	2.2751339	21	11 7.4	19.0
171671 2000 PF_{32}	17.1	X	72.10665	231.28832	90.28865	7.00862	0.3106009	0.29158714	2.2522874	21	—	—
171672 2000 QL_{13}	17.0	X	112.88037	61.14140	314.72708	2.69887	0.1374080	0.30321415	2.1943357	21	—	—
171673 2000 QB_{33}	16.8	X	199.63549	216.26057	73.06056	6.50973	0.2392888	0.30560316	2.1828848	21	—	—
171674 2000 QA_{37}	16.6	X	86.76094	180.41688	188.68176	2.73694	0.2161837	0.29832342	2.2182534	21	—	—
171675 2000 QN_{58}	16.8	X	112.31656	326.78100	16.82224	6.29314	0.2057617	0.29926161	2.2136148	21	—	—
171676 2000 QX_{58}	17.1	X	145.42562	276.84955	73.91087	3.74579	0.2024187	0.30406887	2.1902217	21	1 4.0	19.8
171677 2000 QG_{136}	15.2	X	252.13512	159.72079	190.63004	0.61758	0.1721274	0.17772542	3.1330671	21	4 25.1	20.2
171678 2000 QD_{170}	15.0	X	303.66262	4.46592	305.91723	5.81038	0.1758767	0.17917119	3.1161900	21	5 1.0	19.3
171679 2000 QN_{226}	15.1	X	220.59076	165.38962	186.66705	13.24041	0.1149721	0.17458838	3.1704859	21	4 1.6	20.0
171680 2000 RS_{21}	17.0	X	127.28733	121.79359	247.30638	1.89687	0.1484175	0.30220448	2.1992205	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
171681 2000 RK_{23}	16.4	X	131.34296	334.52654	332.13269	7.97830	0.1738648	0.29640174	2.2278309	21	—	—
171682 2000 RL_{31}	16.5	X	96.26880	56.64429	290.62341	4.09511	0.1839783	0.29569652	2.2313716	21	—	—
171683 2000 RG_{32}	16.9	X	37.71221	46.84670	318.87572	7.24808	0.1484001	0.28956393	2.2627665	21	—	—
171684 2000 RN_{53}	16.2	X	77.30520	112.65074	240.32028	5.07793	0.1910351	0.29273334	2.2464043	21	—	—
171685 2000 RV_{90}	16.4	X	95.64163	90.36963	246.26136	5.21369	0.1630977	0.29428594	2.2384963	21	—	—
171686 2000 SZ_{12}	16.9	X	123.12363	137.36375	185.00828	3.77736	0.2177841	0.29859005	2.2169326	21	—	—
171687 2000 SO_{18}	14.8	X	11.26205	332.08802	312.43635	11.50225	0.0980031	0.18159219	3.0884312	21	7 26.8	18.5
171688 2000 SP_{18}	15.1	X	310.56522	40.29757	316.60002	13.27899	0.0844830	0.18156742	3.0887122	21	7 28.5	19.1
171689 2000 SQ_{28}	16.9	X	51.71931	122.37364	243.97765	4.00994	0.1338383	0.29175805	2.2514077	21	—	—
171690 2000 SF_{41}	16.9	X	147.23971	220.88600	65.09648	4.36056	0.1476313	0.29569500	2.2313793	21	—	—
171691 2000 SG_{49}	17.1	X	136.90888	70.91143	254.02261	3.84654	0.1666316	0.29953885	2.2122487	21	—	—
171692 2000 SN_{55}	16.6	X	67.69484	50.47318	337.40163	3.36896	0.1400077	0.29614722	2.2291071	21	—	—
171693 2000 SB_{98}	17.2	X	358.54292	100.92420	289.69238	2.44130	0.1608855	0.28695616	2.2764547	21	12 27.1	19.3
171694 2000 SQ_{102}	16.8	X	57.92913	172.66520	207.31715	3.67071	0.1935675	0.29340618	2.2429687	21	—	—
171695 2000 SE_{113}	16.8	X	254.00225	135.29065	172.56744	2.89044	0.1913859	0.31195095	2.1531709	21	2 18.1	20.0
171696 2000 SK_{137}	16.4	X	69.52846	108.15646	306.64661	4.83909	0.1524192	0.29830912	2.2183242	21	—	—
171697 2000 SG_{138}	16.8	X	163.26810	74.46718	258.36964	3.57873	0.1875424	0.30275288	2.1965640	21	—	—
171698 2000 SA_{164}	15.8	X	321.67639	50.69222	197.00761	26.54073	0.1704467	0.26504890	2.4002255	21	2 18.6	19.3
171699 2000 SD_{169}	16.6	X	90.87780	116.71769	265.60762	6.31020	0.1171738	0.29711117	2.2242831	21	—	—
171700 2000 SA_{211}	16.3	X	346.79962	268.20853	70.98065	7.27999	0.1408775	0.27942021	2.3172035	21	9 14.2	18.4
171701 2000 SU_{262}	16.6	X	344.83833	13.00143	82.74379	4.60199	0.1512013	0.29166538	2.2518846	21	—	—
171702 2000 SH_{280}	16.8	X	123.86637	98.32232	253.48052	3.41365	0.2116642	0.29880266	2.2158809	21	—	—
171703 2000 SC_{293}	16.1	X	108.65320	53.05520	306.86562	6.73781	0.1502838	0.29644023	2.2276380	21	—	—
171704 2000 SU_{294}	15.7	X	198.58472	239.19442	232.36550	22.08472	0.2688149	0.27002634	2.3706383	21	7 22.5	20.4
171705 2000 SC_{302}	16.6	X	349.11468	100.78944	345.33780	4.70061	0.1082322	0.29082872	2.2562014	21	—	—
171706 2000 SE_{308}	16.5	X	48.16717	23.91817	3.39199	6.06921	0.1897117	0.29077466	2.2564810	21	—	—
171707 2000 SV_{327}	16.6	X	359.98771	179.88193	246.17661	7.05038	0.0697702	0.28962780	2.2624338	21	—	—
171708 2000 TL_{24}	16.6	X	113.47753	13.77038	45.03864	6.64462	0.1000272	0.30521810	2.1847204	21	2 10.4	19.0
171709 2000 TC_{45}	17.0	X	59.28377	275.96737	91.55779	5.27286	0.1732410	0.29285938	2.2457597	21	—	—
171710 2000 TD_{51}	16.4	X	145.98214	222.70683	83.89592	8.96756	0.1570929	0.29633483	2.2281662	21	—	—
171711 2000 TR_{63}	16.5	X	8.92507	186.40121	259.87004	5.61547	0.0713205	0.29466285	2.2365870	21	—	—
171712 2000 UO_{8}	16.3	X	89.06376	321.83098	46.70953	6.99402	0.1717736	0.29431880	2.2383297	21	—	—
171713 2000 UC_{20}	17.0	X	32.50882	57.36127	43.02316	3.98728	0.1629007	0.29682788	2.2256981	21	—	—
171714 2000 UW_{42}	16.8	X	108.31978	264.97221	76.99786	3.57618	0.1924543	0.29450644	2.2373788	21	—	—
171715 2000 UD_{43}	16.7	X	13.49388	298.11553	67.89020	4.05771	0.2405104	0.28477204	2.2880797	21	12 29.3	19.1
171716 2000 UD_{57}	16.6	X	41.22009	140.29651	254.86191	2.73989	0.1169698	0.29136779	2.2534176	21	—	—
171717 2000 UP_{59}	16.5	X	87.52312	125.18817	287.38891	5.55698	0.0888864	0.29963526	2.2117741	21	—	—
171718 2000 UQ_{69}	16.5	X	82.95944	118.68219	263.67601	3.29824	0.1232655	0.29515067	2.2341219	21	—	—
171719 2000 UN_{85}	17.2	X	36.38954	228.02919	119.10761	3.16752	0.2409345	0.28669444	2.2778399	21	—	—
171720 2000 US_{92}	16.8	X	84.54618	114.86409	230.64186	5.74246	0.1416129	0.29253382	2.2474256	21	—	—
171721 2000 UW_{93}	16.5	X	136.18686	68.75426	266.35691	6.22549	0.1737636	0.29754258	2.2221326	21	—	—
171722 2000 UH_{109}	16.5	X	0.80492	325.52627	92.21582	8.49484	0.1155497	0.28723269	2.2749934	21	—	—
171723 2000 VG_{13}	16.6	X	0.74099	18.63029	62.47486	7.94649	0.2026504	0.28941071	2.2635651	21	—	—
171724 2000 WG	17.2	X	287.37269	289.76716	198.61462	1.34235	0.1061599	0.28456490	2.2891899	21	—	—
171725 2000 WW_{15}	16.6	X	302.72793	49.58708	66.90026	6.40624	0.1084039	0.28557268	2.2838011	21	—	—
171726 2000 WO_{21}	17.3	X	331.77284	254.14597	140.23045	0.46851	0.2331073	0.28077666	2.3097344	21	11 9.5	18.4
171727 2000 WT_{24}	16.5	X	4.47275	111.73514	295.08012	3.37014	0.1225315	0.28533350	2.2850772	21	—	—
171728 2000 WX_{25}	16.6	X	32.35046	267.45767	166.56183	3.59787	0.0636972	0.29282252	2.2459482	21	—	—
171729 2000 WE_{31}	16.2	X	41.33489	275.07023	107.71813	7.78849	0.1139670	0.28809722	2.2704399	21	—	—
171730 2000 WX_{50}	17.2	X	282.09045	137.05626	282.66055	12.88334	0.1939165	0.41700725	1.7743542	21	9 4.4	18.4
171731 2000 WD_{56}	15.8	X	236.08069	18.19848	88.93414	7.67837	0.1557669	0.27048531	2.3679558	21	9 11.5	19.2
171732 2000 WR_{65}	17.1	X	267.79860	38.53607	62.58698	2.37437	0.1152245	0.27862842	2.3215913	21	10 20.5	19.7
171733 2000 WD_{71}	16.4	X	47.41189	88.05885	278.61611	5.93888	0.1347691	0.28844728	2.2686026	21	—	—
171734 2000 WY_{76}	16.6	X	257.52070	201.29397	259.18231	6.01693	0.1042474	0.27765234	2.3270292	21	10 1.7	19.6
171735 2000 WT_{94}	17.3	X	358.69308	44.15257	39.18958	2.59453	0.1465398	0.28788972	2.2715307	21	—	—
171736 2000 WQ_{97}	16.3	X	10.35314	103.72473	261.60225	3.17125	0.1559598	0.28070267	2.3101403	21	12 7.7	18.6
171737 2000 WA_{98}	16.1	X	334.52077	91.61932	73.95116	6.46477	0.0823941	0.29343918	2.2428005	21	—	—
171738 2000 WB_{110}	16.7	X	316.91133	125.93951	294.41023	5.05698	0.0890494	0.28056494	2.3108963	21	11 14.7	19.0
171739 2000 WG_{115}	16.3	X	18.95881	152.72970	302.73925	5.58080	0.1074533	0.29186265	2.2508698	21	—	—
171740 2000 WH_{115}	16.1	X	69.13443	310.79684	51.50944	7.20103	0.1262041	0.28840413	2.2688288	21	—	—
171741 2000 WX_{119}	16.4	X	301.68856	58.59522	47.55634	5.67594	0.1177450	0.28178788	2.3042053	21	12 26.3	18.5
171742 2000 WF_{177}	16.7	X	273.05919	38.47089	90.27611	6.72440	0.0154038	0.28415959	2.2913662	21	12 20.6	19.4
171743 2000 WD_{184}	17.3	X	341.99258	318.95513	111.95129	1.92509	0.1292147	0.28561927	2.2835528	21	—	—
171744 2000 WU_{195}	16.7	X	324.79605	65.74718	335.87126	3.97754	0.2561002	0.27787934	2.3257617	21	10 28.3	17.8
171745 2000 XU	15.4	X	147.05142	105.40119	239.17616	4.85448	0.1333986	0.15608787	3.4163048	21	1 16.5	20.6
171746 2000 XT_{18}	15.8	X	46.75196	28.39868	340.15663	9.14158	0.0577928	0.28618355	2.2805501	21	—	—
171747 2000 XU_{30}	16.5	X	331.99365	64.12376	357.22291	5.96566	0.1417488	0.28214202	2.3022768	21	12 18.5	18.6
171748 2000 YM_{2}	16.1	X	191.21028	191.34989	308.77388	8.24685	0.1475273	0.27004178	2.3705479	21	8 31.9	19.8
171749 2000 YG_{5}	15.8	X	102.50317	50.40328	304.40024	4.81679	0.2402796	0.29168240	2.2517970	21	—	—
171750 2000 YS_{10}	16.5	X	337.53856	275.25761	119.10722	6.92282	0.1267616	0.27959573	2.3162336	21	11 18.9	18.7
171751 2000 YB_{17}	15.9	X	243.18230	257.57503	253.93638	21.64428	0.2366433	0.27846196	2.3225165	21	11 1.6	19.4
171752 2000 YZ_{21}	16.3	X	237.81693	54.63239	73.85190	5.94744	0.1696927	0.27397094	2.3478286	21	10 9.9	19.5
171753 2000 YN_{22}	17.0	X	275.00754	308.49443	140.90117	2.81508	0.1680954	0.27545135	2.3394087	21	10 6.0	19.3
171754 2000 YB_{24}	16.3	X	237.32568	208.46606	284.74770	6.12491	0.0471032	0.27540246	2.3396856	21	10 28.6	19.3
171755 2000 YR_{43}	17.1	X	318.31768	203.69733	230.46746	1.29725	0.1908633	0.27991889	2.3144506	21	12 10.3	18.7
171756 2000 YH_{59}	16.2	X	295.64895	295.43722	102.20489	7.80983	0.0944007	0.27142516	2.3624864	21	9 7.6	18.8
171757 2000 YK_{59}	16.8	X	179.99540	209.18329	315.56000	1.25087	0.1165962	0.27032693	2.3688806	21	9 25.3	20.1
171758 2000 YZ_{83}	16.7	X	285.95509	264.94568	175.31042	3.19835	0.1620586	0.27682995	2.3316355	21	10 12.0	19.0
171759 2000 YR_{92}	16.9	X	220.05201	193.04560	308.75269	1.54207	0.1660710	0.27273872	2.3548948	21	10 3.7	20.1
171760 2000 YU_{97}	16.9	X	243.83945	207.34019	277.58420	1.48921	0.1744239	0.27367422	2.3495253	21	10 7.9	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
171761 2000 YR_{98}	16.6	X	262.12999	226.56734	237.09136	2.49527	0.0850519	0.27441401	2.3453007	21	10 18.2	19.3
171762 2000 YT_{108}	15.4	X	235.90163	247.35897	295.33661	11.48594	0.1969025	0.23140874	2.6275413	21	12 3.2	19.2
171763 2000 YM_{110}	17.1	X	307.16212	37.31409	10.22156	2.29375	0.2137199	0.27574545	2.3377451	21	9 24.7	18.6
171764 2000 YP_{110}	17.0	X	141.39824	110.22061	339.53828	2.93251	0.1665658	0.25760359	2.4462534	21	5 10.1	20.6
171765 2000 YO_{131}	16.7	X	293.19994	112.32205	319.95025	5.30092	0.2107007	0.27620446	2.3351543	21	10 1.6	18.9
171766 2000 YY_{143}	16.4	X	264.06971	355.35145	63.50895	7.04711	0.1286105	0.26872498	2.3782857	21	8 14.0	19.4
171767 2001 AW_{8}	16.5	X	167.06064	106.99595	89.56549	5.96278	0.0892492	0.27386310	2.3484449	21	10 27.5	19.8
171768 2001 AW_{22}	16.8	X	298.32001	61.27743	46.32960	3.76500	0.1687569	0.28061421	2.3106257	21	12 18.2	18.6
171769 2001 AD_{40}	16.5	X	217.78674	112.54901	78.84844	7.02031	0.1587642	0.27780430	2.3261805	21	12 7.5	19.6
171770 2001 AO_{51}	16.8	X	289.32719	266.37474	117.42909	2.24030	0.1802804	0.26966775	2.3727394	21	7 19.4	19.4
171771 2001 AM_{53}	17.2	X	255.63900	87.95133	9.33245	2.57466	0.1968077	0.27256649	2.3558867	21	9 12.9	20.3
171772 2001 BN_{9}	16.7	X	150.39559	162.09176	13.81079	4.32553	0.1901593	0.26610485	2.3938716	21	9 11.7	20.6
171773 2001 BJ_{10}	16.9	X	128.01756	154.23409	17.80135	5.75017	0.1772177	0.26159319	2.4213176	21	8 17.4	20.6
171774 2001 BW_{18}	16.3	X	336.92184	304.20316	68.56845	4.11810	0.2652101	0.27579837	2.3374460	21	10 17.9	17.2
171775 2001 BC_{20}	16.9	X	327.18728	11.10665	79.58571	5.42692	0.1820074	0.28179974	2.3041407	21	—	—
171776 2001 BU_{21}	15.7	X	323.91865	15.03627	99.50809	23.69661	0.1820452	0.28588349	2.2821455	21	—	—
171777 2001 BP_{22}	16.5	X	243.11636	339.43471	116.36114	5.81595	0.0924215	0.27130809	2.3631660	21	9 11.9	19.6
171778 2001 BG_{24}	16.7	X	260.27983	284.49410	135.27605	7.49967	0.1446612	0.26913588	2.3758644	21	8 4.3	19.5
171779 2001 BF_{40}	17.7	X	233.28450	75.82286	31.41992	5.64193	0.2151833	0.27015584	2.3698806	21	8 30.9	21.2
171780 2001 BN_{41}	16.5	X	14.69335	222.88288	114.81463	5.13655	0.1685354	0.27966612	2.3158449	21	11 8.7	18.8
171781 2001 BG_{52}	16.7	X	263.12207	15.90145	117.40051	4.63172	0.0618929	0.27743863	2.3282240	21	12 5.8	19.3
171782 2001 BK_{52}	16.7	X	349.20589	355.54749	113.30377	3.45504	0.0450770	0.28582883	2.2824364	21	—	—
171783 2001 BX_{62}	16.3	X	13.12349	179.74085	243.23135	3.09117	0.1163676	0.28360201	2.2943686	21	—	—
171784 2001 BV_{67}	16.6	X	249.76640	186.84003	331.29023	7.35925	0.3417851	0.27622825	2.3350203	21	11 2.2	19.8
171785 2001 BK_{70}	17.0	X	208.31196	280.89171	168.47962	2.24681	0.1451087	0.26490223	2.4011114	21	7 15.3	20.5
171786 2001 BF_{83}	16.8	X	220.00077	203.88925	306.18925	7.18234	0.1185712	0.27217904	2.3581220	21	10 17.1	20.2
171787 2001 CG_{2}	16.3	X	296.75729	355.42564	106.36100	6.26334	0.1608931	0.27725767	2.3292369	21	12 6.2	18.2
171788 2001 CR_{3}	16.3	X	283.97371	79.65536	358.33198	6.15296	0.2187479	0.27314138	2.3525799	21	9 23.5	18.3
171789 2001 CJ_{8}	16.5	X	157.30176	92.21706	70.46045	3.40028	0.1456486	0.26385644	2.4074517	21	8 31.9	20.2
171790 2001 CP_{14}	16.6	X	317.28343	2.54969	38.41672	3.42285	0.2165698	0.27452006	2.3446966	21	10 9.4	18.0
171791 2001 CZ_{16}	15.7	X	316.88247	35.87804	334.50484	13.80004	0.2602984	0.26999207	2.3708389	21	8 9.6	17.5
171792 2001 CM_{33}	16.6	X	157.03041	129.31758	25.89219	12.07330	0.1774604	0.26391106	2.4071196	21	8 26.6	20.6
171793 2001 CW_{42}	17.1	X	280.73886	24.62728	140.11886	5.78782	0.1000659	0.28171882	2.3045819	21	—	—
171794 2001 DM_{7}	16.3	X	158.29457	102.53642	60.25535	4.39196	0.0919146	0.26300112	2.4126685	21	9 1.9	19.8
171795 2001 DX_{15}	16.6	X	283.72797	10.19367	64.27033	5.55959	0.2096653	0.27220166	2.3579913	21	9 22.9	19.1
171796 2001 DX_{16}	16.5	X	295.00289	15.51768	72.68809	5.39968	0.1135025	0.27407561	2.3472308	21	11 15.9	18.7
171797 2001 DL_{18}	16.1	X	193.91202	112.95291	92.79757	7.26013	0.2336626	0.27232224	2.3572952	21	11 23.9	19.8
171798 2001 DW_{24}	16.4	X	78.28144	65.59983	122.87911	8.80985	0.0806987	0.25704470	2.4497980	21	6 25.2	19.4
171799 2001 DO_{32}	16.2	X	185.61558	55.23063	74.12605	3.09595	0.0636260	0.26388399	2.4072842	21	8 18.8	19.5
171800 2001 DJ_{38}	16.2	X	193.18852	321.08510	157.92295	6.61152	0.0726842	0.26554787	2.3972179	21	8 11.2	19.6
171801 2001 DE_{39}	16.9	X	53.77708	84.92741	336.64411	2.28802	0.1741966	0.28951678	2.2630122	21	—	—
171802 2001 DV_{39}	16.4	X	229.04613	217.37676	261.25184	2.71447	0.1377845	0.26945298	2.3740000	21	9 15.2	19.6
171803 2001 DY_{42}	16.5	X	210.28618	323.63159	146.20242	1.67179	0.1429812	0.26547777	2.3976398	21	8 14.2	19.8
171804 2001 DF_{49}	16.3	X	267.97855	45.63527	56.97210	7.04917	0.0891953	0.27336477	2.3512981	21	10 27.1	18.9
171805 2001 DL_{52}	16.0	X	232.79316	125.57633	18.67187	3.31753	0.1305140	0.27475498	2.3433599	21	10 27.1	19.0
171806 2001 DA_{63}	17.3	X	279.69246	210.05188	276.07772	0.51569	0.1810355	0.27758292	2.3274171	21	12 5.4	19.2
171807 2001 DV_{64}	16.6	X	228.03680	313.28420	164.68372	5.44835	0.1793253	0.26913234	2.3758852	21	9 9.9	20.0
171808 2001 DQ_{81}	17.0	X	328.79270	59.99248	334.17928	3.50605	0.0965876	0.27289424	2.3540001	21	10 26.1	19.3
171809 2001 DO_{86}	17.2	X	251.28124	77.43741	106.75201	3.32360	0.1158338	0.27933160	2.3176935	21	—	—
171810 2001 DY_{86}	17.1	X	75.10040	88.11184	279.46692	15.58719	0.0820054	0.37938739	1.8897925	21	—	—
171811 2001 DE_{87}	15.9	X	310.23536	139.46089	336.48236	23.75996	0.2735140	0.27889831	2.3200934	21	—	—
171812 2001 DW_{95}	17.1	X	192.72105	15.95556	107.12742	3.42981	0.1623520	0.26558481	2.3969955	21	8 13.6	20.9
171813 2001 DJ_{103}	16.0	X	277.95121	21.42118	135.14279	24.22419	0.1908644	0.27972230	2.3155348	21	—	—
171814 2001 DS_{103}	17.1	X	211.56752	196.53810	286.51339	1.61216	0.1369498	0.26768411	2.3844469	21	9 2.2	20.7
171815 2001 EF_{9}	16.8	X	161.38105	195.39958	2.57534	3.62778	0.1674824	0.26738995	2.3861954	21	10 17.6	20.6
171816 2001 EN_{16}	16.3	X	222.82253	26.39640	75.86416	5.70975	0.1534816	0.26537815	2.3982398	21	8 19.1	19.8
171817 2001 EB_{22}	16.3	X	137.38580	257.93497	243.09389	8.33606	0.1814191	0.25840176	2.4412134	21	7 13.2	20.2
171818 2001 FH_{5}	16.7	X	149.74810	171.88442	16.37033	1.69455	0.1164972	0.26406272	2.4061978	21	9 24.7	20.1
171819 2001 FZ_{6}	18.3	X	263.02409	297.40504	17.35918	9.95108	0.1664558	0.53881636	1.4956921	21	2 10.7	19.7
171820 2001 FT_{12}	16.0	X	164.32402	353.46288	137.91915	3.38176	0.1431058	0.25911427	2.4367361	21	7 26.7	19.6
171821 2001 FW_{14}	17.5	X	149.27134	239.70113	313.12856	0.75484	0.1227225	0.26407585	2.4061180	21	9 29.6	21.1
171822 2001 FR_{20}	15.9	X	204.13877	149.84941	333.91874	6.85730	0.0913292	0.26298960	2.4127389	21	8 29.9	19.3
171823 2001 FS_{25}	15.9	X	310.64373	156.89420	324.36959	6.50947	0.1413287	0.27847022	2.3224705	21	—	—
171824 2001 FK_{49}	17.3	X	151.22544	127.91817	17.07217	1.63227	0.1339154	0.25947325	2.4344881	21	7 31.8	21.0
171825 2001 FQ_{63}	16.5	X	203.38418	2.41847	78.21675	2.43747	0.1624330	0.25949423	2.4343568	21	6 28.3	20.2
171826 2001 FZ_{82}	17.2	X	148.54290	83.88640	142.36751	2.41951	0.1288607	0.26810330	2.3819608	21	11 12.1	20.7
171827 2001 FE_{92}	16.0	X	254.63407	296.27921	142.40687	10.73738	0.1729782	0.26677556	2.3898576	21	8 19.5	19.1
171828 2001 FD_{103}	16.1	X	286.62162	44.08128	1.26979	4.96259	0.2357130	0.26796599	2.3827745	21	8 8.1	18.7
171829 2001 FY_{105}	16.3	X	332.31465	336.45217	131.21228	5.75945	0.1361060	0.28134418	2.3066273	21	—	—
171830 2001 FV_{109}	16.4	X	213.56395	253.01789	285.13766	1.32568	0.1145509	0.27075339	2.3663925	21	11 19.4	19.6
171831 2001 FO_{145}	16.5	X	84.05683	5.30784	159.74096	4.32653	0.1227359	0.25305920	2.4754527	21	6 7.5	19.5
171832 2001 FO_{152}	16.9	X	161.51183	53.38961	93.12736	4.07390	0.1798767	0.26167006	2.4208434	21	8 14.8	20.7
171833 2001 FA_{161}	16.5	X	276.59563	82.47826	38.58101	3.02702	0.1248694	0.27234784	2.3571475	21	11 28.6	18.9
171834 2001 FR_{173}	16.6	X	188.64702	142.18327	170.60675	2.97378	0.1933104	0.23470809	2.6028592	21	1 9.9	20.8
171835 2001 GO_{8}	14.9	X	76.55574	150.32513	171.57889	15.39026	0.2898185	0.21610070	2.7502062	21	—	—
171836 2001 HJ_{41}	15.5	X	315.49171	150.90402	84.89504	20.10977	0.2381291	0.23910474	2.5708531	21	1 28.3	19.3
171837 2001 HQ_{52}	16.5	X	243.13977	201.02664	58.21238	2.19083	0.1647569	0.23230908	2.6207480	21	—	—
171838 2001 HE_{56}	16.3	X	357.03257	53.24081	141.10997	6.12745	0.1909282	0.24095148	2.5577003	21	2 8.5	18.7
171839 2001 JM_{1}	19.1	X	169.01580	321.91945	226.66639	17.07277	0.3109852	0.55820273	1.4608583	21	11 3.9	20.2
171840 2001 JY_{7}	15.8	X	68.63368	65.75862	71.34174	7.07947	0.0517699	0.24270310	2.5453792	21	3 30.4	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
171841 2001 JK_{10}	16.0	X	161.28222	208.67475	60.51052	12.91737	0.1554237	0.22250916	2.6971439	21	—	—
171842 2001 KD_{10}	15.8	X	221.01149	2.02156	227.73587	13.19023	0.1471154	0.22491052	2.6779114	21	—	—
171843 2001 KW_{21}	15.8	X	349.70302	143.26574	57.51974	12.24555	0.0796125	0.23939721	2.5687588	21	2 27.3	19.1
171844 2001 KM_{29}	15.8	X	258.33454	351.62533	238.52257	16.90798	0.1373467	0.23138007	2.6277583	21	—	—
171845 2001 KV_{33}	16.1	X	36.47785	56.59156	111.48319	5.13610	0.1479650	0.24259197	2.5461566	21	3 27.7	18.6
171846 2001 KW_{36}	15.7	X	323.85230	135.01582	76.23413	14.35260	0.2118254	0.23726297	2.5841402	21	1 9.5	19.2
171847 2001 KK_{45}	15.3	X	248.29245	105.60835	106.44299	13.12902	0.1210865	0.22554072	2.6729207	21	—	—
171848 2001 KV_{56}	15.7	X	293.72960	58.44034	161.94040	10.63230	0.0941748	0.23516538	2.5994839	21	1 1.1	19.5
171849 2001 KW_{72}	15.7	X	306.61039	148.55158	82.26999	15.98467	0.1196574	0.23673912	2.5879509	21	1 28.5	19.4
171850 2001 LN_{15}	15.3	X	55.73649	223.74313	82.24046	14.72586	0.2164205	0.21136377	2.7911447	21	11 20.2	19.3
171851 2001 MG	15.0	X	266.78424	84.06312	244.07876	8.20583	0.1398151	0.18797547	3.0181114	21	4 13.4	19.7
171852 2001 MY_{3}	15.5	X	243.78394	340.50568	265.77993	12.05792	0.1557319	0.22946600	2.6423509	21	—	—
171853 2001 MN_{17}	15.5	X	80.81623	56.98278	118.07515	22.54929	0.0606627	0.24175685	2.5520168	21	6 11.3	19.1
171854 2001 MB_{20}	15.9	X	16.60193	301.75103	301.01350	14.90149	0.0779329	0.24304002	2.5430263	21	6 3.4	19.1
171855 2001 MR_{20}	15.9	X	131.47340	198.35667	80.50915	6.02116	0.1299187	0.21397369	2.7684018	21	12 21.2	20.4
171856 2001 NM_{5}	16.2	X	247.28523	171.05088	107.96193	10.06867	0.1079205	0.22895289	2.6462973	21	1 24.2	20.3
171857 2001 OF_{12}	15.1	X	255.62316	295.22725	56.87845	10.05185	0.1278172	0.18468313	3.0538748	21	5 5.8	19.8
171858 2001 OO_{42}	15.7	X	292.37197	69.73965	250.90343	4.86269	0.2515209	0.18728772	3.0254956	21	4 19.0	20.1
171859 2001 OH_{51}	15.9	X	127.30380	273.19991	7.27460	4.70002	0.0927926	0.21268122	2.7796063	21	12 17.7	20.2
171860 2001 OM_{93}	15.4	X	282.45078	260.25223	57.56602	4.83520	0.2235347	0.18847264	3.0128014	21	4 11.2	19.9
171861 2001 OP_{102}	15.4	X	249.66181	6.34028	297.72556	11.24151	0.1031973	0.23011396	2.6373883	21	2 21.8	19.5
171862 2001 PG_{49}	15.1	X	125.22627	189.97347	221.59291	24.39148	0.2126732	0.17463990	3.1698623	21	3 14.6	20.4
171863 2001 QK_{3}	15.4	X	236.29846	259.84317	110.61427	2.26063	0.2144684	0.18657204	3.0332277	21	5 1.7	20.4
171864 2001 QU_{52}	15.6	X	225.80441	197.78886	174.61730	4.51964	0.2149618	0.18543803	3.0455812	21	4 25.6	20.8
171865 2001 QQ_{72}	14.8	X	184.69395	103.24190	263.08227	13.89596	0.2451718	0.17775658	3.1327008	21	3 11.0	20.5
171866 2001 QV_{72}	14.2	X	223.11364	143.46321	173.76740	23.44472	0.2200622	0.17283224	3.1919264	21	2 16.9	19.8
171867 2001 QA_{97}	14.8	X	236.60142	30.06888	324.53488	9.56025	0.2612484	0.18297532	3.0728477	21	4 5.7	20.3
171868 2001 QR_{110}	16.0	X	358.86371	303.48281	87.19781	3.33617	0.0993487	0.20351908	2.8624152	21	11 27.9	19.4
171869 2001 QD_{119}	15.4	X	277.88757	111.56124	309.09479	9.58853	0.0853348	0.19603716	2.9347906	21	8 31.4	19.5
171870 2001 QJ_{125}	15.3	X	220.06497	331.99075	87.16829	3.78818	0.2972033	0.18630214	3.0361565	21	6 10.7	20.7
171871 2001 QD_{157}	14.8	X	222.04043	54.00444	306.79068	9.20332	0.1169595	0.18289377	3.0737611	21	4 7.5	19.8
171872 2001 QJ_{171}	15.3	X	248.73817	122.70331	275.97225	12.95524	0.1808431	0.19114346	2.9846707	21	6 18.8	19.9
171873 2001 QF_{197}	14.8	X	181.59523	120.15661	301.87255	20.36578	0.2381283	0.17817656	3.1277762	21	5 14.7	20.6
171874 2001 QR_{211}	15.6	X	55.40694	96.28213	219.46468	1.25243	0.0945142	0.20271739	2.8699570	21	11 10.6	19.6
171875 2001 QX_{219}	14.4	X	272.26037	83.10488	287.99486	14.71420	0.1130136	0.18532790	3.0467876	21	6 19.6	18.8
171876 2001 QE_{228}	15.4	X	224.28452	137.72359	278.59378	9.17840	0.0907852	0.18921772	3.0048873	21	6 23.7	20.0
171877 2001 QR_{228}	15.2	X	277.69313	84.13490	282.21856	8.83264	0.1286627	0.19027803	2.9937139	21	6 17.3	19.3
171878 2001 QY_{261}	15.4	X	214.61370	69.94836	288.16638	8.72757	0.2091450	0.17867049	3.1220091	21	3 26.1	20.9
171879 2001 QQ_{263}	14.7	X	188.56782	110.06660	314.88693	9.47054	0.1537826	0.18100952	3.0950555	21	5 25.8	20.0
171880 2001 QV_{274}	15.7	X	272.18346	218.46012	119.34791	9.78563	0.1704100	0.18761887	3.0219344	21	5 3.8	20.4
171881 2001 QR_{285}	15.4	X	243.52877	341.73998	85.19120	7.70982	0.2207237	0.19029846	2.9934995	21	7 15.1	20.1
171882 2001 QW_{290}	15.6	X	171.32412	291.16081	108.56969	2.08729	0.1798026	0.17855580	3.1233459	21	4 13.9	20.8
171883 2001 QH_{328}	14.5	X	163.14178	297.63559	141.76359	14.19093	0.2885231	0.17570776	3.1570061	21	5 30.1	20.3
171884 2001 QC_{329}	16.0	X	291.33570	70.78760	308.86391	1.42538	0.1088241	0.19409427	2.9543429	21	7 26.4	19.7
171885 2001 QL_{333}	14.9	X	201.24664	332.26002	72.30262	17.16081	0.1244007	0.17949487	3.1124426	21	5 17.4	19.8
171886 2001 RE_{12}	15.4	X	245.81390	146.46017	236.35146	9.72804	0.1370912	0.18704667	3.0280943	21	5 31.5	20.0
171887 2001 RG_{15}	15.4	X	226.03439	273.29105	297.37735	11.49202	0.0991857	0.21060658	2.7978306	21	—	—
171888 2001 RJ_{20}	15.7	X	266.90220	67.88226	321.60859	3.67707	0.1097017	0.19178459	2.9780152	21	7 6.8	19.8
171889 2001 RJ_{31}	15.6	X	173.74149	255.85452	0.13695	4.11570	0.0158209	0.21088074	2.7954053	21	—	—
171890 2001 RL_{42}	15.3	X	246.23245	250.23612	130.34548	12.64859	0.1409130	0.18700101	3.0285872	21	5 31.4	20.1
171891 2001 RW_{46}	14.3	X	189.06274	311.70078	124.31702	23.70920	0.2634073	0.18022811	3.1039951	21	6 13.8	20.1
171892 2001 RT_{48}	14.7	X	187.91262	267.25141	89.49518	25.99607	0.2457995	0.17398179	3.1778509	21	3 21.9	20.7
171893 2001 RS_{67}	15.1	X	265.75060	326.49459	350.75091	11.57756	0.1361842	0.18078765	3.0975872	21	3 30.7	19.8
171894 2001 RP_{83}	15.3	X	222.14808	87.68145	309.98829	3.94559	0.0813371	0.18520964	3.0480844	21	5 28.9	19.9
171895 2001 RG_{85}	15.3	X	197.29040	89.13083	349.61024	9.65174	0.1093694	0.18612270	3.0381076	21	6 22.6	20.2
171896 2001 RG_{89}	15.9	X	219.14516	243.43067	126.24452	1.85341	0.1856545	0.18126611	3.0921340	21	4 18.1	20.9
171897 2001 RQ_{89}	15.4	X	261.04637	312.08087	12.46571	10.46897	0.1374549	0.18226480	3.0808284	21	4 5.5	20.2
171898 2001 RZ_{90}	15.4	X	345.55073	319.71356	23.70852	6.04692	0.1371414	0.19562828	2.9388785	21	9 4.8	18.6
171899 2001 RP_{96}	16.0	X	305.73382	147.57321	224.53504	1.37298	0.0441347	0.19492415	2.9459517	21	8 14.3	19.8
171900 2001 RW_{102}	15.8	X	162.78729	203.73042	142.57057	7.05459	0.1018172	0.22128697	2.7070658	21	1 20.9	19.8
171901 2001 RK_{104}	15.5	X	59.45512	259.62583	132.48134	6.86433	0.1161918	0.21188347	2.7865788	21	—	—
171902 2001 RH_{129}	15.3	X	298.55465	290.66371	16.02754	6.86375	0.1042053	0.18543128	3.0456551	21	4 30.6	19.5
171903 2001 RX_{131}	15.7	X	294.01650	42.66847	59.14509	3.26901	0.0185011	0.20437931	2.8543777	21	11 26.3	19.5
171904 2001 RG_{150}	16.0	X	283.20819	211.43364	82.54011	4.00064	0.2666059	0.18389664	3.0625759	21	3 10.3	20.8
171905 2001 SK_{12}	15.6	X	354.71515	88.54680	225.65697	3.40613	0.0788187	0.19355226	2.9598558	21	8 7.0	19.2
171906 2001 SZ_{24}	15.8	X	190.89290	204.39775	179.95114	5.55375	0.1437012	0.17835312	3.1257117	21	4 11.9	20.8
171907 2001 ST_{31}	15.6	X	227.98022	238.19710	116.54232	2.01915	0.2541995	0.18095187	3.0957128	21	4 5.1	21.0
171908 2001 SW_{32}	15.7	X	265.86381	154.79306	172.27924	1.77662	0.2525391	0.18369221	3.0648477	21	4 2.3	20.7
171909 2001 SK_{44}	15.0	X	218.38576	353.72989	64.85321	6.01572	0.1217304	0.18548841	3.0450297	21	6 17.8	19.7
171910 2001 SZ_{45}	15.3	X	201.96581	329.16160	79.12018	5.21174	0.1937266	0.18151080	3.0893544	21	5 19.1	20.4
171911 2001 SD_{51}	15.1	X	266.02522	158.23741	163.64328	11.98216	0.1562311	0.18244040	3.0788512	21	4 8.3	19.8
171912 2001 SB_{62}	15.4	X	167.87076	21.11719	25.46010	7.77649	0.1664443	0.17575575	3.1564314	21	4 17.6	20.4
171913 2001 SA_{74}	15.1	X	236.27570	85.21842	293.43083	6.96697	0.1634957	0.18297612	3.0728387	21	5 12.7	20.1
171914 2001 SM_{75}	14.6	X	184.60201	111.69631	305.98427	4.48568	0.1997328	0.17908180	3.1172269	21	5 14.3	20.0
171915 2001 SX_{83}	15.9	X	312.62753	6.79990	320.85364	3.83605	0.0881218	0.19073576	2.9889224	21	6 20.7	19.8
171916 2001 SN_{90}	15.7	X	313.32367	171.77957	265.73444	1.15177	0.0161314	0.20429223	2.8551887	21	11 20.9	19.6
171917 2001 SA_{96}	15.8	X	189.50683	260.19086	183.31676	8.47166	0.0663640	0.18673680	3.0314432	21	6 20.9	20.5
171918 2001 SF_{100}	15.3	X	150.16804	100.14811	345.92467	9.52841	0.0490518	0.18152396	3.0892052	21	5 6.7	19.9
171919 2001 SG_{115}	16.1	X	247.45583	219.85836	143.04368	2.08351	0.3347819	0.18390606	3.0624712	21	4 23.8	21.6
171920 2001 SN_{117}	15.9	X	335.90662	103.65763	288.00395	6.82131	0.1054458	0.20010657	2.8948661	21	10 18.9	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
171921 2001 SF_{127}	15.2	X	124.40016	136.72558	220.31808	1.87679	0.0363985	0.16685686	3.2676836	21	—	—
171922 2001 SM_{139}	15.9	X	257.35357	133.37504	218.43929	2.53907	0.1466628	0.18394260	3.0620656	21	5 4.3	20.6
171923 2001 SZ_{140}	15.3	X	163.37592	61.42795	6.57574	6.53681	0.3018602	0.17669531	3.1452321	21	5 12.5	21.0
171924 2001 SP_{142}	15.4	X	200.04038	132.11025	251.71505	4.08242	0.1666048	0.18009938	3.1054740	21	4 17.1	20.5
171925 2001 ST_{143}	15.2	X	190.39710	87.67119	342.18108	9.21080	0.0366117	0.18516535	3.0485705	21	6 3.6	19.8
171926 2001 SW_{143}	15.6	X	162.46066	320.88969	300.37930	2.92522	0.0605542	0.20924223	2.8099795	21	12 30.8	19.8
171927 2001 SW_{145}	15.5	X	206.37107	65.79271	331.50998	4.73273	0.1741237	0.18191716	3.0847522	21	5 7.9	20.6
171928 2001 SK_{153}	15.0	X	250.86922	348.44330	354.44425	4.71874	0.1642984	0.18173520	3.0868109	21	4 13.9	19.9
171929 2001 SQ_{158}	15.1	X	157.87611	102.22963	356.51539	11.40816	0.3019597	0.17774860	3.1327946	21	6 14.7	20.9
171930 2001 SJ_{170}	15.6	X	225.10662	130.81466	292.49865	6.15526	0.1369126	0.18789520	3.0189709	21	6 29.8	20.3
171931 2001 SP_{174}	16.3	X	5.33186	204.89990	129.59776	3.46880	0.2159945	0.19756905	2.9196005	21	10 5.8	19.1
171932 2001 SD_{198}	15.3	X	194.36672	37.35755	35.65697	1.83837	0.1314135	0.18501955	3.0501718	21	6 11.7	20.2
171933 2001 SN_{201}	15.2	X	161.53099	286.12495	174.49771	10.94639	0.1177267	0.18402519	3.0611494	21	6 14.5	20.2
171934 2001 SL_{213}	16.1	X	284.98300	292.98346	62.26748	2.67437	0.1215804	0.18843528	3.0131996	21	6 13.2	20.3
171935 2001 SJ_{223}	15.8	X	267.59095	4.32912	19.82800	2.05347	0.0508829	0.18840121	3.0135629	21	7 9.3	20.0
171936 2001 SH_{226}	15.5	X	254.00393	242.41680	63.58931	2.46307	0.1517383	0.17780480	3.1321344	21	3 8.2	20.3
171937 2001 SA_{231}	15.5	X	260.33495	248.88632	83.70940	2.60973	0.1201142	0.18119491	3.0929440	21	4 17.9	20.0
171938 2001 SS_{232}	15.2	X	112.66243	217.50815	30.67435	7.54720	0.0553427	0.19753667	2.9199196	21	10 20.1	19.4
171939 2001 SH_{235}	14.8	X	244.97033	317.92054	20.72368	9.64309	0.1582852	0.17980046	3.1089150	21	4 5.7	19.8
171940 2001 SK_{240}	16.2	X	284.68881	239.29178	70.19389	0.84338	0.1669986	0.18285175	3.0742319	21	4 9.9	20.6
171941 2001 SM_{241}	15.6	X	105.72799	258.71288	191.30735	9.88518	0.1082872	0.17268278	3.1937680	21	4 1.6	20.1
171942 2001 SA_{256}	15.6	X	183.54207	274.14356	90.91730	3.54867	0.1200996	0.17340315	3.1849166	21	3 14.6	20.7
171943 2001 SU_{256}	15.3	X	106.05871	85.30541	41.07338	9.90043	0.0392412	0.17733825	3.1376255	21	5 6.6	19.6
171944 2001 SM_{260}	15.1	X	339.34153	278.60959	5.45987	10.91138	0.0709116	0.18555587	3.0442916	21	6 2.2	19.2
171945 2001 SP_{270}	15.2	X	135.59198	257.81814	178.42717	9.40490	0.0837987	0.17505725	3.1648222	21	4 17.2	19.9
171946 2001 SB_{281}	15.1	X	176.02163	52.37543	15.97747	10.97175	0.1366339	0.17900604	3.1181063	21	5 17.3	20.2
171947 2001 SK_{281}	15.2	X	190.93654	110.84682	259.55010	3.75590	0.1912798	0.17528273	3.1621076	21	3 24.8	20.6
171948 2001 SJ_{288}	15.4	X	190.44630	245.77804	97.93432	11.06040	0.2202078	0.17467882	3.1693914	21	2 28.0	21.0
171949 2001 SP_{313}	14.9	X	236.11640	357.10597	70.31219	10.82323	0.0947803	0.18855036	3.0119734	21	7 22.0	19.5
171950 2001 SY_{317}	15.6	X	330.31288	263.40631	46.44864	2.74884	0.0571727	0.18746910	3.0235437	21	6 26.7	19.4
171951 2001 SS_{328}	15.7	X	5.27164	301.06691	55.63574	3.46541	0.0663454	0.20001244	2.8957743	21	10 21.6	19.4
171952 2001 SD_{340}	15.2	X	272.23639	299.96026	301.05299	10.22926	0.1599818	0.22251512	2.6970958	21	—	—
171953 2001 SN_{345}	15.5	X	218.89096	339.31983	80.26304	16.34131	0.2516195	0.18387715	3.0627922	21	6 12.4	20.8
171954 2001 SE_{348}	15.6	X	218.36973	142.38164	240.63442	9.85877	0.0679857	0.18144938	3.0900516	21	5 7.6	20.1
171955 2001 SH_{350}	14.9	X	314.99717	207.67179	29.05616	14.24794	0.0419114	0.17198812	3.2023620	21	3 13.4	19.5
171956 2001 TO_{10}	15.8	X	141.58837	245.46969	152.99715	2.14447	0.1920539	0.17124008	3.2116813	21	3 18.6	20.8
171957 2001 TR_{11}	15.5	X	184.54377	37.55274	14.52885	1.66688	0.1160426	0.17947634	3.1126569	21	5 7.7	20.3
171958 2001 TJ_{31}	15.2	X	189.90402	182.13922	274.29899	8.97922	0.0924468	0.18200123	3.0838021	21	7 6.8	19.8
171959 2001 TG_{61}	15.4	X	207.81212	327.29192	52.11467	5.80720	0.1906134	0.17868832	3.1218014	21	4 20.4	20.6
171960 2001 TO_{64}	15.7	X	198.40685	20.53672	41.91220	2.18448	0.1788699	0.18045935	3.1013430	21	6 1.6	20.9
171961 2001 TR_{81}	15.5	X	168.35062	145.93539	293.11508	4.61816	0.1338399	0.18097025	3.0955032	21	5 24.9	20.5
171962 2001 TP_{82}	15.3	X	151.73763	210.50333	233.82064	7.26969	0.0626377	0.18010245	3.1054387	21	5 10.9	19.9
171963 2001 TR_{84}	14.9	X	6.87976	225.81616	27.45394	10.46894	0.0184013	0.18295984	3.0730211	21	6 3.7	19.3
171964 2001 TV_{87}	15.0	X	176.51360	176.47880	236.70802	8.91173	0.0705807	0.17871471	3.1214940	21	4 29.5	19.7
171965 2001 TZ_{89}	15.0	X	299.86364	44.99176	269.30153	4.85616	0.1134813	0.18431822	3.0579042	21	5 11.4	19.2
171966 2001 TH_{93}	15.0	X	226.42791	171.56544	245.36782	8.17480	0.1317700	0.18491642	3.0513058	21	6 23.0	19.8
171967 2001 TY_{100}	15.2	X	215.35949	338.84521	56.13281	11.61798	0.1071145	0.17935346	3.1140784	21	5 17.7	19.9
171968 2001 TF_{108}	15.1	X	189.80871	109.57032	307.70915	5.02768	0.0391577	0.18215221	3.0820978	21	5 18.3	19.6
171969 2001 TH_{109}	14.8	X	280.35951	73.15471	241.01241	10.62745	0.0524380	0.17920649	3.1157808	21	4 24.8	19.3
171970 2001 TJ_{118}	14.6	X	109.64129	207.73790	252.73570	20.54617	0.1822138	0.17362174	3.1822428	21	4 25.4	19.6
171971 2001 TN_{121}	15.0	X	268.12298	117.93280	293.23331	10.03161	0.1073076	0.18858303	3.0116255	21	8 3.8	19.4
171972 2001 TU_{121}	14.6	X	295.93709	33.84537	241.96952	21.86310	0.0982856	0.17812025	3.1284354	21	3 14.3	19.5
171973 2001 TO_{122}	14.6	X	177.69174	165.95955	239.17475	26.70560	0.1654502	0.17510276	3.1642738	21	4 22.6	20.0
171974 2001 TM_{124}	15.0	X	206.04685	187.42200	254.29706	8.49031	0.0506659	0.18664048	3.0324861	21	7 7.1	19.4
171975 2001 TY_{127}	14.9	X	11.79883	226.81352	37.84868	12.05402	0.1031065	0.18768973	3.0211738	21	6 30.0	18.7
171976 2001 TP_{128}	15.3	X	210.97756	107.80884	252.04361	10.65780	0.1563023	0.17855069	3.1234054	21	3 26.5	20.7
171977 2001 TO_{134}	15.5	X	183.57298	141.98695	279.57657	10.34160	0.2966234	0.18033985	3.1027128	21	5 18.7	21.2
171978 2001 TR_{135}	15.3	X	151.08967	188.85796	259.52822	9.33732	0.2077545	0.17777601	3.1324726	21	5 24.6	20.6
171979 2001 TW_{135}	14.9	X	234.69615	107.83264	248.77226	9.69541	0.1538314	0.18086399	3.0967155	21	4 14.6	20.0
171980 2001 TO_{145}	15.0	X	249.45842	341.13824	43.01656	16.59484	0.2081034	0.18536638	3.0463660	21	5 27.1	19.9
171981 2001 TB_{150}	15.3	X	127.64790	40.10541	63.43186	9.16235	0.1627375	0.17577033	3.1562568	21	5 18.8	20.1
171982 2001 TP_{152}	15.3	X	204.79956	294.84695	59.55900	10.72211	0.2346605	0.17625507	3.1504672	21	3 23.9	20.9
171983 2001 TX_{161}	16.1	X	229.16721	77.48183	305.32414	1.68575	0.1054272	0.18311591	3.0712747	21	5 16.4	20.7
171984 2001 TQ_{175}	15.9	X	154.59916	85.18470	327.32638	4.50289	0.1799028	0.17576350	3.1563386	21	4 12.0	21.1
171985 2001 TB_{184}	15.3	X	328.91942	90.19313	211.74538	10.56240	0.0706802	0.18654086	3.0335657	21	6 12.8	19.4
171986 2001 TX_{188}	14.9	X	196.09711	15.75416	7.79052	5.26788	0.1863260	0.17598096	3.1537378	21	4 14.1	20.3
171987 2001 TZ_{200}	15.3	X	123.85193	10.74231	77.11207	9.99181	0.1717763	0.17480546	3.1678605	21	4 29.7	20.2
171988 2001 TB_{202}	14.9	X	285.90259	300.31776	73.10711	13.00628	0.1016841	0.18915608	3.0055400	21	7 11.9	19.1
171989 2001 TS_{203}	14.8	X	187.09109	273.69078	73.50249	10.70098	0.2267896	0.17452482	3.1712557	21	3 2.7	20.4
171990 2001 TY_{208}	15.4	X	207.95832	283.51327	98.59211	4.21072	0.0435772	0.17937084	3.1138773	21	4 28.3	19.9
171991 2001 TP_{210}	14.8	X	8.88698	341.86981	306.62076	9.58050	0.0736907	0.19169832	2.9789086	21	7 26.9	18.4
171992 2001 TK_{214}	15.2	X	223.51196	29.83320	294.47933	9.47644	0.2201082	0.17538493	3.1608790	21	2 23.5	20.8
171993 2001 TS_{214}	15.1	X	182.78641	134.36451	264.17003	10.30494	0.1508709	0.17663757	3.1459175	21	4 17.6	20.3
171994 2001 TZ_{218}	15.2	X	158.35021	316.69341	72.37001	14.79416	0.2145525	0.17211199	3.2008253	21	3 30.8	20.8
171995 2001 TJ_{235}	15.5	X	272.84212	87.33956	324.60354	13.04870	0.1299146	0.19064945	2.9898244	21	8 10.2	19.6
171996 2001 TM_{238}	14.9	X	228.94366	5.60939	62.03368	10.12808	0.1768809	0.18775790	3.0204425	21	7 5.9	19.8
171997 2001 TW_{256}	14.5	X	144.38223	353.41062	111.81668	18.78678	0.1675522	0.17782145	3.1319389	21	6 8.9	19.7
171998 2001 UM_{3}	15.2	X	76.09005	104.03253	49.92335	5.78313	0.1243949	0.17719262	3.1393444	21	5 15.8	19.5
171999 2001 UQ_{21}	15.1	X	274.98592	22.67221	291.43694	8.58360	0.0498431	0.18095622	3.0956632	21	4 15.8	19.8
172000 2001 UO_{22}	14.9	X	337.58177	81.24893	258.88067	7.70436	0.1104024	0.19196864	2.9761115	21	8 11.4	18.6