Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200001 2007 JB_{42}	14.7	X	174.44615	98.35058	153.13207	20.66559	0.1415624	0.17657889	3.1466144	21	12 23.7	20.1
200002 Hehe	16.7	X	212.03487	198.90388	116.58888	6.95933	0.1589330	0.26337298	2.4103969	21	1 28.9	20.4
200003 Aokeda	15.0	X	223.69527	12.50429	185.38557	13.47160	0.0599648	0.17377723	3.1803443	21	12 16.1	19.8
200004 2007 KY_{6}	16.9	X	345.77833	250.88804	348.54123	3.45187	0.1991838	0.27601865	2.3362022	21	3 15.8	19.1
200005 2007 KT_{7}	16.4	X	19.82094	335.29787	283.23868	7.92874	0.2370860	0.21557000	2.7547181	21	7 17.3	18.7
200006 2007 LG	16.3	X	65.57069	177.79198	146.99898	2.96165	0.1347816	0.23448670	2.6044973	21	12 15.1	19.9
200007 2007 LD_{3}	16.6	X	269.03910	46.52227	215.74391	6.20150	0.0775057	0.26436653	2.4043540	21	1 20.4	20.0
200008 2007 LT_{4}	15.2	X	177.13908	224.18169	87.00371	10.66443	0.1570074	0.18360641	3.0658023	21	1 4.6	20.2
200009 2007 LW_{4}	17.1	X	315.20505	53.99532	176.10581	2.37637	0.1667998	0.26884611	2.3775712	21	1 22.1	20.2
200010 2007 LO_{7}	16.1	X	338.79121	72.55347	209.34253	7.29950	0.1470531	0.21119291	2.7926499	21	5 23.5	19.2
200011 2007 LC_{9}	15.8	X	221.77743	179.19063	116.84596	3.89596	0.1283580	0.19031947	2.9932793	21	1 24.9	20.7
200012 2007 LK_{20}	16.5	X	320.25593	183.22596	170.02615	5.23157	0.1290433	0.22032290	2.7149570	21	8 1.8	19.7
200013 2007 LC_{29}	15.8	X	47.80706	238.39749	218.49777	4.88743	0.0115747	0.18113684	3.0936050	21	1 13.2	20.2
200014 2007 MH_{3}	16.6	X	136.36624	142.23954	114.81071	6.34255	0.2886016	0.23425279	2.6062307	21	12 5.6	21.3
200015 2007 MN_{5}	15.5	X	177.05590	188.26705	113.77254	4.58912	0.1681831	0.17634223	3.1494291	21	—	—
200016 2007 MN_{11}	15.2	X	178.46757	341.05955	284.02583	2.27403	0.1304146	0.17013354	3.2255920	21	—	—
200017 2007 MC_{12}	16.4	X	173.06687	257.70792	183.68332	1.80662	0.0426269	0.20197312	2.8770031	21	5 30.1	20.5
200018 2007 MH_{16}	15.9	X	176.76799	192.43005	80.03921	6.48518	0.1791414	0.24192246	2.5508520	21	—	—
200019 2007 MG_{25}	16.0	X	23.39966	273.12159	304.03313	6.71445	0.1538521	0.20321792	2.8652425	21	5 14.2	19.2
200020 Cadi Ayyad	14.9	X	164.82262	155.88424	146.66657	17.34352	0.0969444	0.17279019	3.1924443	21	—	—
200021 2007 NZ_{6}	15.0	X	159.91629	285.37113	79.95252	13.59630	0.1229178	0.18239486	3.0793637	21	2 23.3	20.0
200022 2007 OW_{5}	12.5	X	345.02238	2.18673	49.29287	7.87507	0.1096695	0.08129714	5.2773902	21	11 8.3	18.9
200023 2007 OU_{6}	12.3	X	38.15686	197.62161	172.94683	16.02155	0.0833775	0.08181173	5.2552372	21	12 2.9	19.2
200024 2007 OO_{7}	12.8	X	344.01574	204.85627	202.58524	6.99663	0.0867425	0.08087259	5.2958438	21	11 3.1	19.3
200025 Cloud Gate	15.3	X	150.42472	296.73344	65.35686	5.77418	0.0723745	0.17637444	3.1490456	21	2 2.6	20.0
200026 2007 PD_{2}	15.5	X	144.96906	306.74053	30.84878	2.52757	0.0742334	0.17188966	3.2035848	21	—	—
200027 2007 PM_{27}	13.1	X	33.03585	178.75159	189.64045	10.16422	0.0370343	0.08263790	5.2201527	21	11 19.6	19.9
200028 2007 PW_{28}	12.5	X	45.05988	110.66646	232.81311	9.78734	0.0923931	0.08280512	5.2131226	21	11 10.9	19.2
200029 2007 PH_{37}	11.9	X	346.46394	95.15554	317.30876	19.99393	0.0742767	0.08237324	5.2313280	21	11 4.3	18.7
200030 2007 PD_{39}	15.1	X	199.23143	69.24321	223.22573	15.70131	0.1869098	0.17639986	3.1487431	21	1 1.6	20.6
200031 2007 PQ_{43}	15.2	X	311.01386	303.85544	312.01066	9.29617	0.0634001	0.18852027	3.0122939	21	3 16.4	19.5
200032 2007 PU_{43}	12.9	X	10.82395	110.05354	280.85330	6.08672	0.0681845	0.08132351	5.2762494	21	11 17.4	19.6
200033 Newtaipei	14.7	X	320.70840	209.98827	332.42214	16.84134	0.1739796	0.18000373	3.1065741	21	—	—
200034 2007 RG_{30}	14.9	X	58.95159	267.58325	158.70123	22.45507	0.0683980	0.17030865	3.2233805	21	—	—
200035 2007 RZ_{71}	13.0	X	344.09172	278.71036	154.47873	12.63351	0.0630007	0.08205274	5.2449415	21	12 3.4	19.8
200036 2007 RH_{77}	13.2	X	245.06182	179.85189	332.74526	3.34124	0.0417980	0.08144637	5.2709418	21	11 4.5	20.2
200037 2007 RW_{105}	13.0	X	21.26845	16.25963	34.98948	4.41117	0.0702022	0.08213826	5.2413003	21	12 23.5	19.6
200038 2007 RZ_{130}	16.3	X	247.45892	113.10599	323.60033	1.04052	0.0238893	0.20391819	2.8586791	21	8 25.2	20.0
200039 2007 RY_{156}	15.3	X	271.94773	7.58053	113.60679	1.55065	0.0120611	0.15257995	3.4684684	21	11 14.9	20.1
200040 2007 RR_{162}	14.5	X	200.02707	252.64656	176.91726	12.10092	0.1209043	0.12559979	3.9489057	21	6 15.1	20.7
200041 2007 RY_{216}	16.1	X	322.27029	287.79888	142.53624	2.61250	0.1801457	0.21695827	2.7429543	21	11 22.8	18.6
200042 2007 TE_{32}	13.2	X	311.67913	288.49113	185.11224	3.62158	0.0436168	0.08458168	5.1398665	21	12 7.9	19.9
200043 2007 TU_{73}	14.6	X	248.33074	154.01134	259.92451	5.34640	0.2692706	0.12479733	3.9658155	21	6 28.6	20.8
200044 2007 TR_{291}	15.9	X	50.89300	242.62673	102.99893	12.37982	0.0746986	0.22089460	2.7102706	21	12 13.7	19.5
200045 2007 TT_{326}	15.7	X	209.56696	277.75694	287.38948	3.77545	0.0970383	0.21922519	2.7240124	21	12 12.4	19.5
200046 2007 TP_{371}	12.6	X	324.07266	35.17452	49.69330	4.85836	0.0210896	0.08127713	5.2782562	21	11 21.4	19.5
200047 2007 UB_{130}	15.5	X	228.86436	12.98354	236.90418	4.03068	0.1255627	0.17639856	3.1487586	21	—	—
200048 2008 MQ_{3}	17.3	X	91.45916	101.14253	134.12365	5.32464	0.1244459	0.31154369	2.1550470	21	9 30.4	20.1
200049 2008 NM_{2}	16.9	X	169.91473	337.15293	316.59495	1.82080	0.2050105	0.26286982	2.4134718	21	—	—
200050 2008 OL	15.6	X	182.12659	5.28749	299.13458	14.68710	0.2626741	0.26583552	2.3954882	21	—	—
200051 2008 OE_{10}	12.7	X	351.63215	83.00878	302.24088	5.64701	0.1189613	0.08313021	5.1995225	21	10 16.8	19.0
200052 Sinigaglia	16.4	X	138.92574	134.42916	192.00625	5.75962	0.1572533	0.26062552	2.4273073	21	—	—
200053 2008 PK_{6}	17.6	X	162.35492	66.63619	232.44863	2.04935	0.2243315	0.26049526	2.4281164	21	—	—
200054 2008 PV_{8}	15.4	X	94.02976	209.98163	123.82734	2.94503	0.1832278	0.17251114	3.1958860	21	—	—
200055 2008 PO_{9}	16.0	X	159.27838	356.97845	323.85208	5.48362	0.2344060	0.26284170	2.4136440	21	—	—
200056 2008 PB_{15}	16.0	X	89.66921	41.01083	319.35399	8.62817	0.0883617	0.17857732	3.1230949	21	—	—
200057 2008 PT_{16}	12.6	X	5.73930	197.54907	174.77438	24.72584	0.1090086	0.08392308	5.1667221	21	10 27.7	19.1
200058 2008 QA_{4}	16.1	X	279.92725	135.23707	206.16435	3.84190	0.0819686	0.21135339	2.7912361	21	5 24.9	20.0
200059 2008 QZ_{7}	16.0	X	51.06245	124.07013	154.49045	11.94773	0.1336343	0.23170133	2.6253288	21	9 30.3	19.4
200060 2008 QD_{8}	17.2	X	219.37487	133.31751	148.84649	2.49171	0.1996387	0.26904312	2.3764105	21	—	—
200061 2008 QQ_{8}	15.6	X	99.31312	31.40752	336.57148	9.17524	0.0796976	0.17996851	3.1069793	21	—	—
200062 2008 QT_{16}	17.5	X	187.12406	135.18860	196.39550	1.63482	0.1987154	0.26827105	2.3809677	21	1 26.5	21.2
200063 2008 QX_{25}	17.3	X	196.84451	213.01115	133.18590	5.35277	0.1026067	0.27370966	2.3493225	21	2 18.6	20.6
200064 2008 RZ_{10}	16.1	X	185.39229	161.51404	162.54841	8.42318	0.1713075	0.18847410	3.0127859	21	1 25.1	21.2
200065 2805 $P–L$	15.7	X	128.21215	183.16920	188.34003	10.76410	0.1319321	0.18400458	3.0613780	21	1 22.3	20.4
200066 2836 $P–L$	16.6	X	339.02724	237.75660	144.49554	2.55180	0.2460040	0.22644784	2.6657777	21	10 23.5	18.4
200067 4133 $P–L$	16.4	X	240.43697	327.45423	352.09659	6.56752	0.1306127	0.26870905	2.3783797	21	3 1.7	19.9
200068 4310 $P–L$	15.2	X	135.37693	13.52913	1.46917	8.92389	0.1385434	0.18464614	3.0542827	21	2 8.8	19.8
200069 Alastor	12.6	X	345.64294	62.76667	341.34197	6.14987	0.0679746	0.08004325	5.3323614	21	10 29.9	19.4
200070 2090 $T–1$	16.3	X	245.45542	317.25887	179.72179	7.99954	0.3130819	0.22807966	2.6530474	21	10 4.0	20.2
200071 2051 $T–2$	16.4	X	325.35446	330.60805	359.55680	5.33252	0.3073204	0.22427884	2.6829373	21	6 9.9	19.0
200072 2132 $T–2$	15.2	X	144.31013	235.81988	188.79856	11.75276	0.0462867	0.19719395	2.9233018	21	4 5.5	19.5
200073 2190 $T–2$	16.7	X	258.68988	169.16961	193.19180	7.00237	0.2787135	0.28305120	2.2973441	21	4 30.9	20.3
200074 2194 $T–2$	16.1	X	347.99891	350.63690	13.57454	11.28343	0.1615207	0.22617785	2.6678987	21	10 11.5	18.8
200075 3119 $T–2$	16.5	X	299.83190	254.41637	22.92280	9.95806	0.2200413	0.28200543	2.3030201	21	3 2.2	19.7
200076 5009 $T–2$	15.9	X	354.03694	22.84471	333.16330	13.69781	0.1998699	0.22632831	2.6667162	21	10 7.9	18.6
200077 5134 $T–2$	15.9	X	8.80023	14.97348	317.83034	8.35535	0.1207821	0.22590647	2.6700349	21	9 28.5	19.0
200078 1028 $T–3$	15.3	X	164.55610	90.17249	288.57563	8.03077	0.1050818	0.19062773	2.9900515	21	3 4.3	20.1
200079 1138 $T–3$	15.8	X	17.52286	304.64260	359.18027	16.02769	0.1473049	0.22260442	2.6963744	21	9 12.2	18.8
200080 2436 $T–3$	16.5	X	156.21629	112.36837	247.19340	3.84018	0.1207632	0.25662385	2.4524757	21	1 25.4	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200081 2674 *T–3*	16.1	X	229.64178	226.96309	207.55863	4.26130	0.0933371	0.22001576	2.7174831	21	7 21.8	20.1
200082 4022 *T–3*	15.0	X	202.60753	282.39364	50.52404	9.00144	0.2290169	0.19088886	2.9873240	21	2 23.7	20.3
200083 5037 *T–3*	15.7	X	158.52964	273.28739	135.86938	9.21282	0.2050677	0.19182164	2.9776318	21	4 17.3	20.8
200084 1981 EH_{29}	17.2	X	94.79656	286.89597	302.34166	3.82104	0.1821842	0.27787757	2.3257715	21	9 24.9	20.5
200085 1991 RR_{19}	16.5	X	78.98161	85.96016	278.52443	4.02138	0.3130590	0.23898440	2.5717161	21	—	—
200086 1992 QS_{2}	15.8	X	169.92266	205.56858	202.74075	8.15710	0.1798341	0.19116302	2.9844671	21	4 21.6	20.7
200087 1992 SX_{4}	16.4	X	85.94863	40.24977	122.36366	3.23462	0.1186862	0.26249066	2.4157954	21	6 5.5	19.2
200088 1993 BD_{12}	16.1	X	349.75914	115.83210	320.25675	9.39137	0.1261094	0.23783371	2.5800044	21	—	—
200089 1993 FY_{9}	16.6	X	243.26457	57.21838	122.73808	2.87841	0.0946781	0.23233546	2.6205496	21	12 24.4	19.9
200090 1993 TH_{36}	15.9	X	297.38135	354.49281	49.62063	5.57423	0.1147873	0.20858052	2.8159194	21	9 9.5	19.4
200091 1994 AD_{8}	16.1	X	351.05812	78.52324	122.32471	7.52874	0.0539692	0.25833551	2.4416307	21	2 23.5	19.0
200092 1994 JE_{5}	16.1	X	114.88259	254.66899	200.92493	2.20442	0.1050675	0.25331012	2.4738177	21	4 10.7	19.3
200093 1994 RJ_{26}	17.3	X	234.41437	127.24842	239.70732	3.03964	0.1380963	0.28308821	2.2971439	21	4 22.7	20.7
200094 1994 SA_{12}	16.3	X	256.34173	195.84998	176.30934	4.49806	0.0892875	0.21090287	2.7952096	21	6 3.9	20.4
200095 1994 SY_{12}	17.3	X	261.71082	40.27251	37.90757	2.98949	0.0860718	0.29068661	2.2569366	21	9 14.9	19.7
200096 1994 TM_{8}	16.2	X	262.89256	8.55801	30.25357	4.69849	0.0764408	0.21360674	2.7715715	21	7 19.9	20.0
200097 1994 UO_{6}	16.3	X	9.16243	76.73761	257.38070	3.37531	0.1175198	0.21763584	2.7372583	21	10 1.9	19.5
200098 1995 BB_{5}	17.6	X	67.61774	42.72252	119.38981	2.00620	0.1183325	0.27156645	2.3616669	21	5 6.3	19.9
200099 1995 DG_{14}	15.6	X	179.82071	267.54825	179.60456	10.04152	0.0846832	0.19974506	2.8983580	21	6 15.2	20.2
200100 1995 HG_{5}	15.0	X	150.22927	240.22744	94.32991	11.19012	0.2177785	0.17387615	3.1791379	21	1 14.0	20.2
200101 1995 MJ_{7}	15.2	X	67.45759	207.13545	189.82686	9.33962	0.0741405	0.17428111	3.1742114	21	—	—
200102 1995 QH_{3}	16.0	X	64.34142	79.15457	280.38754	4.55367	0.1339148	0.23672755	2.5880352	21	—	—
200103 1995 QP_{16}	15.7	X	183.89553	95.14051	183.56419	7.15740	0.1896351	0.24482721	2.5306355	21	—	—
200104 1995 *SD*	15.9	X	86.17498	302.25516	46.91269	4.17154	0.1704200	0.23804079	2.5785079	21	—	—
200105 1995 SO_{24}	17.1	X	303.91637	57.32725	33.10941	4.33512	0.1024145	0.23132793	2.6281532	21	11 23.8	20.0
200106 1995 SK_{67}	17.1	X	354.15501	35.75362	337.38831	2.92988	0.1232365	0.23042039	2.6350495	21	11 2.9	19.9
200107 1995 SG_{78}	16.3	X	275.70920	49.74978	70.38502	2.19011	0.0543617	0.23200195	2.6230604	21	11 26.8	19.5
200108 1995 UE_{39}	16.7	X	35.33417	84.94549	356.22540	1.81959	0.1379840	0.23867516	2.5739370	21	—	—
200109 1995 UF_{43}	16.8	X	341.37569	346.21339	25.25304	5.27650	0.0718730	0.22659217	2.6646456	21	10 8.9	19.9
200110 1995 UM_{50}	17.0	X	149.27017	245.71776	4.42416	3.89891	0.0682292	0.23107082	2.6301023	21	12 6.2	20.9
200111 1995 UO_{56}	17.7	X	346.28328	207.01830	102.03187	2.76523	0.1060651	0.29664472	2.2266142	21	7 20.8	19.5
200112 1995 UP_{57}	16.5	X	297.94425	173.16560	343.53585	4.40560	0.0645526	0.23849473	2.5752350	21	—	—
200113 1995 UL_{69}	17.6	X	110.50685	334.62408	293.60892	2.29717	0.0709463	0.30601064	2.1809466	21	11 28.9	20.4
200114 1995 VN_{15}	16.6	X	236.19039	177.86884	237.91026	2.40871	0.0541098	0.21745674	2.7387610	21	7 10.1	20.4
200115 1995 WR_{13}	16.6	X	328.68407	75.39122	125.26172	4.89499	0.1555104	0.24135463	2.5548513	21	1 9.0	19.8
200116 1996 AJ_{6}	16.3	X	236.28416	34.82709	77.32196	4.03409	0.0265300	0.21780338	2.7358543	21	9 29.2	20.0
200117 1996 AU_{7}	16.4	X	19.87830	217.31886	91.39216	4.98136	0.0858671	0.21553745	2.7549955	21	9 15.4	19.7
200118 1996 AG_{20}	16.6	X	210.44177	28.88586	3.49705	6.99796	0.1335665	0.28372832	2.2936875	21	4 30.3	20.1
200119 1996 BD_{14}	17.3	X	261.95665	334.42372	54.75241	3.77710	0.2569787	0.29059218	2.2574255	21	6 9.0	20.5
200120 1996 GQ_{13}	16.1	X	295.86548	219.74955	95.44895	3.99290	0.0146548	0.20111439	2.8851869	21	5 22.4	20.0
200121 1996 TY_{15}	15.1	X	210.91115	83.93904	201.97651	15.48176	0.2212417	0.17656234	3.1468111	21	1 3.7	20.8
200122 1997 CR_{6}	15.0	X	10.11428	85.23617	317.66952	28.45669	0.2264262	0.23643652	2.5901585	21	—	—
200123 1997 EF_{60}	16.0	X	332.48401	5.98726	10.54983	6.00199	0.0402024	0.22169444	2.7037478	21	10 1.3	19.5
200124 1997 GR_{2}	16.2	X	1.02798	264.50438	9.34068	7.53510	0.1975755	0.21048689	2.7988912	21	6 23.2	19.0
200125 1997 *HU*	17.6	X	27.30049	63.29019	208.76365	3.41827	0.1666016	0.29298392	2.2451233	21	8 19.2	19.5
200126 1997 HK_{11}	16.7	X	23.26719	29.22120	231.86711	8.93968	0.0499429	0.29202521	2.2500344	21	7 9.1	19.2
200127 1997 *MO*	16.0	X	237.94364	68.31374	183.76890	12.21588	0.1454710	0.18648585	3.0341622	21	—	—
200128 1997 SJ_{15}	17.1	X	246.22517	341.21702	255.51339	3.67246	0.1052784	0.26177798	2.4201780	21	—	—
200129 1997 SZ_{30}	15.2	X	219.72015	112.77347	203.38623	9.23763	0.2697006	0.18605999	3.0387903	21	2 10.2	20.8
200130 1997 TP_{9}	18.1	X	205.62203	354.20264	356.64420	1.25682	0.2007792	0.27015639	2.3698774	21	3 6.9	22.1
200131 1997 UC_{6}	17.2	X	352.77990	232.82359	31.52070	6.73231	0.0853769	0.27640194	2.3340420	21	5 21.4	19.6
200132 1997 WP_{11}	16.7	X	226.55278	149.07794	230.11461	5.86522	0.2346407	0.27466759	2.3438569	21	4 26.9	20.5
200133 1997 WZ_{12}	15.2	X	192.84080	128.81117	226.92448	26.75490	0.1523140	0.18517647	3.0484484	21	3 1.8	20.7
200134 1997 WN_{14}	15.2	X	42.11789	51.65058	63.91759	19.76346	0.0677981	0.17810062	3.1286652	21	2 7.8	19.7
200135 1997 WO_{14}	17.2	X	224.03435	341.21577	86.01856	4.30779	0.1505225	0.27725480	2.3292530	21	7 2.1	20.6
200136 1997 WS_{17}	15.0	X	176.87485	301.58764	19.93865	9.66479	0.1976209	0.17985189	3.1083223	21	1 21.3	20.3
200137 1997 WV_{17}	15.4	X	105.10983	130.08816	250.92579	9.53528	0.0753189	0.17693451	3.1423967	21	1 1.7	19.8
200138 1997 WP_{18}	17.2	X	153.32184	325.15936	97.49415	2.23508	0.1746185	0.26889313	2.3772941	21	4 18.9	20.7
200139 1997 WS_{18}	15.6	X	211.02936	285.52086	71.63969	6.21193	0.2562862	0.18783911	3.0195719	21	3 28.1	21.0
200140 1997 WH_{22}	15.1	X	154.66900	121.90212	260.46695	11.58056	0.3285606	0.18351251	3.0668481	21	3 12.6	20.8
200141 1997 XZ_{1}	16.3	X	140.84525	171.60760	252.50939	9.05666	0.0796040	0.26660449	2.3908798	21	3 22.5	19.7
200142 1998 BC_{32}	16.6	X	157.33642	147.11348	285.25448	5.23178	0.1291514	0.26598457	2.3945932	21	4 29.4	20.1
200143 1998 DA_{9}	16.4	X	240.17634	266.97996	136.03583	5.22697	0.0949300	0.26938104	2.3744227	21	6 23.0	19.7
200144 1998 DD_{21}	17.0	X	206.93548	108.35676	126.05375	2.26934	0.1217305	0.24292082	2.5438581	21	—	—
200145 1998 DJ_{37}	16.4	X	103.99537	138.85319	12.53313	5.62693	0.1821469	0.26353529	2.4094072	21	6 23.1	19.8
200146 1998 FS_{136}	15.9	X	54.79621	243.02156	353.79578	12.07023	0.1615223	0.22247548	2.6974161	21	8 14.3	19.3
200147 1998 HC_{50}	16.7	X	67.90753	49.98018	108.42048	3.22313	0.1388647	0.25906382	2.4370524	21	5 6.3	19.2
200148 1998 HT_{143}	16.4	X	258.31272	196.66906	25.44134	2.77399	0.1769969	0.24348704	2.5399129	21	—	—
200149 1998 HL_{147}	15.3	X	98.34358	171.33891	112.91496	15.80271	0.1127308	0.23053349	2.6341876	21	11 30.8	19.5
200150 1998 LW_{3}	15.7	X	46.74437	107.45864	61.51062	12.05869	0.1416040	0.25501876	2.4627555	21	4 17.9	18.2
200151 1998 QV_{59}	16.7	X	308.66067	6.01724	352.22963	5.71771	0.0252310	0.21018732	2.8015500	21	8 5.1	20.4
200152 1998 QF_{64}	15.1	X	290.85041	112.83938	260.11462	10.29390	0.2724263	0.21116164	2.7929255	21	6 20.6	18.8
200153 1998 QY_{70}	15.3	X	306.13559	131.98878	222.39729	8.31814	0.2581461	0.21061727	2.7977360	21	6 19.7	18.7
200154 1998 *RJ*	16.9	X	321.17423	310.33090	38.66212	6.96039	0.2090323	0.29728453	2.2234183	21	7 23.5	18.6
200155 1998 RG_{20}	16.0	X	315.23567	18.12533	340.02189	7.19483	0.1578580	0.21212753	2.7844411	21	7 29.7	19.1
200156 1998 SA_{3}	15.5	X	328.07760	278.37278	63.01373	12.12653	0.3042915	0.21161438	2.7889406	21	7 6.1	18.1
200157 1998 ST_{40}	17.4	X	139.31666	165.11923	40.67048	1.29248	0.1323393	0.30161171	2.2021011	21	10 10.7	20.6
200158 1998 TK_{7}	15.3	X	63.26772	119.80037	324.00208	20.28386	0.2721257	0.18575636	3.0421008	21	2 14.2	18.6
200159 1998 XY_{11}	16.0	X	219.15149	149.58496	269.34463	22.80104	0.2654571	0.28744404	2.2738781	21	6 9.8	19.9
200160 1998 YN_{19}	18.1	X	272.70945	356.28125	55.77367	1.04126	0.1947886	0.29086577	2.2560098	21	8 3.7	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200161 1999 AG_{16}	17.1	X	263.68789	287.97889	111.64151	5.18264	0.1425040	0.28751331	2.2735129	21	7 11.8	19.9
200162 1999 BZ_{12}	14.8	X	7.44336	44.96960	134.22116	19.54868	0.1099259	0.18131805	3.0915435	21	3 3.4	18.7
200163 1999 CA_{7}	16.1	X	197.78606	3.10446	128.20857	25.20857	0.1792689	0.28706147	2.2758979	21	8 31.9	19.8
200164 1999 CG_{114}	17.4	X	199.79739	316.02834	162.91556	5.09019	0.2298198	0.28600491	2.2814996	21	8 10.8	21.2
200165 1999 CH_{144}	16.4	X	92.44286	178.93544	4.48099	0.52077	0.0894520	0.18718691	3.0265817	21	7 9.1	20.6
200166 1999 CB_{146}	15.2	X	83.80897	112.57679	344.49132	9.83700	0.0683851	0.17908375	3.1172042	21	3 7.1	19.2
200167 1999 CJ_{152}	17.2	X	192.42381	119.05479	328.26931	5.20290	0.0980677	0.28148007	2.3058849	21	6 28.0	20.4
200168 1999 DG	15.2	X	144.78083	83.02372	306.32308	8.48704	0.0658590	0.17971506	3.1098998	21	2 23.4	19.9
200169 1999 FM_{3}	15.9	X	290.43405	224.66909	15.50511	20.94292	0.2167397	0.26106320	2.4245935	21	1 7.6	20.1
200170 1999 FL_{51}	15.4	X	2.79612	212.45107	286.67886	3.43276	0.1625254	0.17408133	3.1766395	21	—	—
200171 1999 FO_{61}	16.4	X	44.11817	213.71362	5.53920	3.36694	0.0958044	0.27397631	2.3477979	21	6 17.3	18.8
200172 1999 FV_{79}	17.0	X	274.18629	147.10872	113.29016	3.95793	0.1558676	0.26139308	2.4225532	21	1 18.9	20.5
200173 1999 GU_{13}	16.1	X	81.92046	129.11861	340.45142	0.67952	0.1552065	0.18013330	3.1050842	21	4 1.4	20.2
200174 1999 JV_{12}	16.1	X	322.94232	188.24120	105.11715	7.99601	0.0998938	0.26999490	2.3708223	21	5 16.0	18.7
200175 1999 JH_{14}	16.0	X	168.17591	87.92296	63.95720	21.52384	0.2933926	0.28065709	2.3103904	21	9 7.9	20.6
200176 1999 JR_{25}	16.9	X	42.65098	174.26259	20.29775	1.51899	0.2101213	0.26971116	2.3724848	21	5 21.9	18.7
200177 1999 JY_{30}	16.6	X	307.35437	290.38578	332.04115	1.51423	0.1754017	0.26378711	2.4078735	21	2 23.9	19.8
200178 1999 JD_{67}	16.0	X	216.95171	193.60167	75.27216	6.82518	0.2173810	0.25343567	2.4730006	21	—	—
200179 1999 JH_{119}	16.2	X	238.27299	237.02851	42.49031	4.32848	0.2230099	0.25541352	2.4602173	21	1 8.9	20.4
200180 1999 JU_{127}	16.0	X	326.43656	156.16474	61.43031	6.44183	0.1742196	0.26062161	2.4273316	21	1 22.7	19.1
200181 1999 KQ_{3}	17.2	X	89.44559	66.56394	91.83975	2.30491	0.1205310	0.27060562	2.3672539	21	6 4.1	20.1
200182 1999 OT_{3}	18.5	X	130.62822	94.82837	253.59797	7.33994	0.3307814	0.33286104	2.0620257	21	—	—
200183 1999 RO	15.8	X	345.32232	235.08574	157.81357	16.21702	0.2215679	0.22794380	2.6541015	21	11 27.3	18.6
200184 1999 RY_{8}	14.9	X	308.37665	131.09814	166.69046	11.59419	0.1826169	0.17069900	3.2184645	21	4 26.6	19.3
200185 1999 RQ_{65}	15.9	X	306.75526	63.22975	322.83697	12.32733	0.2045594	0.22257537	2.6966090	21	8 15.5	18.6
200186 1999 RY_{72}	16.8	X	125.74828	339.59706	314.29350	2.51115	0.2765213	0.23804355	2.5784879	21	—	—
200187 1999 RZ_{90}	15.9	X	31.87196	154.88176	149.76690	7.22989	0.2669242	0.22611593	2.6683858	21	10 28.2	19.0
200188 1999 RL_{93}	15.9	X	42.07143	319.15915	8.52401	13.55049	0.1048234	0.22817162	2.6523345	21	11 9.7	19.6
200189 1999 RX_{100}	16.1	X	10.49407	68.07821	1.12400	3.18897	0.2653502	0.23458104	2.6037989	21	—	—
200190 1999 RO_{101}	16.2	X	149.95894	23.76270	283.03865	10.40623	0.2564509	0.24224577	2.5485819	21	—	—
200191 1999 RM_{110}	15.2	X	10.14292	70.06493	316.50907	13.51658	0.2551878	0.22843488	2.6502964	21	—	—
200192 1999 RT_{119}	15.9	X	65.07403	170.41683	174.16107	5.29538	0.2134436	0.23499972	2.6007054	21	—	—
200193 1999 RP_{135}	15.5	X	32.17276	0.05674	22.25417	2.23408	0.1650475	0.23408691	2.6074618	21	—	—
200194 1999 RP_{144}	15.7	X	98.17772	84.35736	237.79528	6.19249	0.1831022	0.23649680	2.5897184	21	—	—
200195 1999 RC_{188}	16.8	X	76.51361	12.33011	176.16676	2.31077	0.1522374	0.26104642	2.4246974	21	7 4.1	19.8
200196 1999 RT_{190}	16.4	X	347.46208	85.98340	172.52340	2.89746	0.0800323	0.21403776	2.7678494	21	5 11.6	19.7
200197 1999 RA_{203}	15.8	X	21.18375	80.35639	287.62265	11.44392	0.1850981	0.22990365	2.6389964	21	12 20.5	19.0
200198 1999 RE_{216}	16.9	X	273.65198	61.30093	336.20499	4.30824	0.1472636	0.22006282	2.7170957	21	7 21.3	20.6
200199 1999 RT_{221}	16.2	X	18.69162	112.68663	270.21573	7.05393	0.2631019	0.22920825	2.6443315	21	—	—
200200 1999 RY_{234}	16.5	X	99.38654	284.06623	105.84370	4.97943	0.2904614	0.24070677	2.5594335	21	1 23.8	19.4
200201 1999 RY_{250}	16.6	X	83.09648	166.92979	169.48993	2.90551	0.0904060	0.23510793	2.5999073	21	—	—
200202 1999 RZ_{251}	15.6	X	62.56308	139.95343	258.98446	10.76707	0.1655407	0.23819400	2.5774021	21	—	—
200203 1999 SJ_{15}	15.6	X	48.14421	113.90855	279.29725	12.97188	0.1962645	0.23556615	2.5965347	21	—	—
200204 1999 TX_{4}	16.1	X	49.90924	249.55500	126.22066	6.14411	0.2371212	0.23340853	2.6125116	21	—	—
200205 1999 TC_{28}	15.6	X	346.31130	325.93520	25.95397	8.97395	0.1586116	0.22130478	2.7069206	21	9 22.6	18.4
200206 1999 TS_{61}	16.9	X	347.23583	351.06422	349.96443	3.81605	0.1160604	0.22080441	2.7110086	21	9 5.1	19.7
200207 1999 TP_{87}	16.8	X	311.57774	30.01903	146.40236	2.95198	0.0828278	0.23605226	2.5929687	21	—	—
200208 1999 TJ_{99}	15.7	X	331.16865	210.48961	162.99713	14.55151	0.2682337	0.22256777	2.6966704	21	9 13.6	17.4
200209 1999 TQ_{111}	15.4	X	22.81893	357.54346	352.79077	12.98762	0.1740869	0.22805162	2.6532649	21	11 22.9	18.8
200210 1999 TE_{121}	17.0	X	340.76931	334.30786	38.59121	2.88271	0.2131920	0.22398258	2.6853025	21	10 11.1	19.3
200211 1999 TK_{144}	16.5	X	33.54853	241.91121	3.07313	19.58566	0.0498670	0.35198013	1.9866618	21	7 8.5	18.9
200212 1999 TE_{152}	15.5	X	149.01801	284.91045	113.50861	4.05791	0.0412548	0.24702795	2.5155830	21	3 2.6	18.8
200213 1999 TH_{169}	16.2	X	49.40030	129.36218	210.84012	5.48537	0.1005235	0.22894392	2.6463664	21	12 9.6	19.8
200214 1999 TX_{169}	16.0	X	244.96280	177.22421	218.97205	5.66550	0.1016639	0.21395964	2.7685230	21	6 19.5	20.0
200215 1999 TX_{178}	15.8	X	341.48690	246.64774	100.03592	4.10109	0.1189714	0.21925826	2.7237385	21	9 4.2	18.7
200216 1999 TW_{184}	16.7	X	310.60217	107.95659	271.72452	12.14311	0.2196198	0.22041621	2.7141908	21	8 5.9	19.7
200217 1999 TF_{200}	15.5	X	178.71068	356.82067	234.93559	7.89458	0.0932725	0.22856544	2.6492870	21	12 13.9	19.4
200218 1999 TU_{211}	15.9	X	330.66235	350.39431	89.85148	4.75901	0.2102691	0.22773780	2.6557018	21	12 29.3	18.2
200219 1999 TF_{220}	16.1	X	14.57443	101.40290	256.94353	4.93627	0.1947665	0.22710960	2.6605967	21	11 27.5	19.0
200220 1999 TC_{225}	16.7	X	122.57162	13.27105	344.03774	5.04251	0.0712697	0.24183791	2.5514465	21	—	—
200221 1999 TB_{229}	16.0	X	320.17952	124.25158	185.66520	9.30320	0.1062587	0.21538927	2.7562589	21	6 5.6	19.5
200222 1999 TB_{266}	15.7	X	58.34766	50.73963	283.53670	10.64655	0.2082467	0.23136283	2.6278889	21	12 27.4	19.5
200223 1999 TD_{270}	15.5	X	345.89107	130.27484	242.58804	10.17303	0.1935372	0.22445230	2.6815548	21	10 19.0	18.1
200224 1999 TO_{274}	16.2	X	78.21830	356.83238	314.69131	4.51604	0.2407159	0.23450247	2.6043805	21	12 22.6	20.3
200225 1999 TJ_{291}	15.6	X	1.09093	286.88458	48.15770	13.87528	0.1974822	0.22147513	2.7055324	21	10 5.3	18.4
200226 1999 UO_{18}	16.4	X	338.08159	235.40046	57.41495	4.65646	0.1241504	0.21509143	2.7588027	21	6 8.1	19.4
200227 1999 UU_{20}	16.8	X	318.22007	160.71837	182.91339	6.34594	0.0662269	0.21773101	2.7364606	21	7 22.5	20.3
200228 1999 UY_{20}	16.4	X	339.86736	269.12344	159.68390	2.94605	0.1499847	0.22929705	2.6436487	21	12 27.9	19.1
200229 1999 UU_{28}	16.0	X	23.39616	248.46559	38.01808	4.89448	0.0792631	0.21937199	2.7227971	21	8 20.4	19.3
200230 1999 UE_{37}	16.7	X	267.52407	332.69949	151.02845	2.24020	0.0476687	0.22839981	2.6505676	21	11 21.0	20.2
200231 1999 UF_{37}	16.0	X	329.95508	155.52657	185.56488	5.79697	0.0414525	0.21905589	2.7254157	21	8 7.9	19.5
200232 1999 UG_{51}	15.8	X	345.66776	276.76947	90.21472	8.36550	0.2573283	0.22275702	2.6951428	21	10 20.4	17.9
200233 1999 VV_{2}	16.1	X	15.49409	115.40410	266.83072	3.87158	0.2351045	0.22734962	2.6587238	21	—	—
200234 Kumashiro	16.2	X	259.67458	168.52497	202.27402	8.67991	0.1634924	0.21198696	2.7856718	21	5 28.0	20.4
200235 1999 VK_{17}	15.7	X	29.92280	181.16091	334.71754	1.99813	0.0693362	0.24578702	2.5240430	21	2 21.2	18.6
200236 1999 VW_{30}	16.0	X	344.25183	359.82163	55.63731	5.21941	0.1939454	0.22544442	2.6736818	21	12 20.2	18.6
200237 1999 VT_{51}	16.4	X	20.66321	159.42617	285.20593	3.72238	0.2447302	0.23324019	2.6137685	21	—	—
200238 1999 VA_{55}	15.5	X	357.84951	296.14550	39.65600	14.20011	0.1988516	0.22166131	2.7040172	21	9 29.3	18.2
200239 1999 VM_{76}	16.6	X	275.11389	2.23149	89.08495	3.00112	0.0392580	0.22123579	2.7074834	21	10 20.8	20.2
200240 1999 VS_{82}	15.9	X	15.82384	198.18079	194.50106	6.97335	0.0972930	0.23201936	2.6229292	21	12 31.4	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200241 1999 VY_{97}	16.0	X	206.48154	254.91859	213.75099	5.05325	0.0476467	0.21549119	2.7553897	21	8 11.5	20.1
200242 1999 VB_{114}	15.6	X	27.63893	76.88568	247.25678	12.01873	0.2219099	0.22535944	2.6743539	21	11 4.9	18.7
200243 1999 VU_{116}	16.3	X	312.71306	339.01374	44.43442	3.87713	0.1033514	0.22129130	2.7070305	21	9 7.4	19.4
200244 1999 VL_{119}	16.4	X	343.30972	173.89861	233.17747	6.43019	0.0965776	0.22685294	2.6626032	21	11 30.1	19.5
200245 1999 VM_{120}	16.9	X	4.48689	300.71667	74.38940	2.74947	0.1692547	0.22715988	2.6602042	21	11 29.7	19.8
200246 1999 VK_{125}	16.7	X	252.94179	125.96406	42.79325	5.76157	0.1740068	0.22751366	2.6574457	21	12 9.3	20.2
200247 1999 VJ_{130}	15.6	X	297.74660	316.65612	46.42982	10.34795	0.1923989	0.21668861	2.7452296	21	6 30.1	19.2
200248 1999 VY_{137}	15.3	X	318.17388	23.17727	58.46616	30.38236	0.1709346	0.22473335	2.6793187	21	11 29.1	18.0
200249 1999 VS_{138}	15.9	X	225.54096	41.70901	67.59485	9.90671	0.1701907	0.21512544	2.7585119	21	8 29.5	20.3
200250 1999 VV_{148}	16.8	X	250.89417	208.85849	207.48088	2.96600	0.0884212	0.21375483	2.7702912	21	7 24.2	20.8
200251 1999 VM_{152}	16.2	X	240.92338	48.28600	356.91436	5.06053	0.1196457	0.21615667	2.7497315	21	6 24.9	20.4
200252 1999 VW_{153}	16.8	X	342.07671	137.26443	272.45085	2.97881	0.0921757	0.22704762	2.6610809	21	12 1.0	19.9
200253 1999 VN_{184}	16.0	X	257.82715	70.46593	48.82456	12.20299	0.2526317	0.22154114	2.7049949	21	10 6.3	19.9
200254 1999 VM_{190}	15.8	X	292.84349	210.79190	229.59566	7.52059	0.1222190	0.22049016	2.7135838	21	10 17.9	19.0
200255 Weigle	17.1	X	19.68609	144.00038	246.56330	1.32005	0.1321427	0.22837046	2.6507947	21	—	—
200256 1999 VQ_{225}	15.9	X	339.93007	239.57035	118.23201	5.99982	0.1795687	0.22086022	2.7105518	21	9 17.4	18.4
200257 1999 VP_{226}	15.7	X	294.32506	279.84023	117.49287	14.06954	0.2419746	0.21810694	2.7333153	21	8 4.2	18.9
200258 1999 VF_{231}	16.1	X	255.61179	350.09990	103.33680	12.70452	0.2327289	0.21677482	2.7445016	21	9 2.4	20.3
200259 1999 WC_{14}	16.4	X	278.30153	0.14195	65.49898	4.14676	0.0663542	0.21913802	2.7247347	21	9 17.9	19.9
200260 1999 WW_{18}	16.4	X	274.65869	12.58901	58.26159	5.99341	0.1016847	0.21898366	2.7260150	21	9 15.5	20.0
200261 1999 XR	15.7	X	222.69796	356.07937	102.73957	7.27068	0.0890824	0.20992588	2.8038755	21	8 17.6	19.8
200262 1999 XO_{46}	15.6	X	294.51034	332.32252	63.83073	15.97965	0.1918533	0.21763653	2.7372525	21	8 17.7	19.3
200263 1999 XR_{47}	15.8	X	2.97089	2.70474	64.08150	15.01189	0.2332181	0.22904660	2.6455755	21	—	—
200264 1999 XG_{48}	16.4	X	279.54103	193.85075	208.22681	2.69287	0.1835749	0.21603131	2.7507951	21	7 27.9	20.0
200265 1999 XQ_{54}	16.4	X	266.23809	356.99071	84.69183	4.08705	0.1334671	0.21748937	2.7384870	21	9 12.2	20.1
200266 1999 XG_{72}	15.6	X	294.52408	5.33933	80.80376	6.11646	0.1321180	0.22092531	2.7100194	21	10 30.9	18.8
200267 1999 XG_{109}	15.8	X	328.54120	244.06088	201.47101	4.47462	0.1475780	0.22720653	2.6598400	21	12 28.9	18.6
200268 1999 XJ_{110}	15.6	X	11.34862	0.06273	66.21736	15.68028	0.0796242	0.23063711	2.6333986	21	—	—
200269 1999 XO_{110}	15.7	X	353.36601	168.77889	247.41301	14.58523	0.2219269	0.22779970	2.6552206	21	—	—
200270 1999 XX_{110}	15.4	X	311.36489	160.70414	246.65387	11.40578	0.1230390	0.22089016	2.7103069	21	9 29.4	18.8
200271 1999 XA_{125}	15.5	X	271.18698	179.75193	267.51396	12.80652	0.1041454	0.21957505	2.7211181	21	9 21.6	19.5
200272 1999 XA_{127}	15.2	X	334.58464	128.11627	267.27421	12.10883	0.2672711	0.22262362	2.6962193	21	10 25.1	17.4
200273 1999 XK_{187}	15.6	X	268.12377	41.27757	71.41695	14.52597	0.1843155	0.21842354	2.7306734	21	10 22.3	19.3
200274 1999 XW_{207}	15.5	X	289.07171	76.18579	319.62411	14.83999	0.2853411	0.21442173	2.7645441	21	7 19.7	19.2
200275 1999 XZ_{209}	15.6	X	241.35066	110.35645	359.16941	8.86897	0.1426394	0.21539694	2.7561935	21	9 14.7	19.4
200276 1999 XF_{216}	15.5	X	291.95551	145.18923	281.91359	8.45817	0.1002697	0.21614026	2.7498707	21	9 27.2	19.1
200277 1999 XY_{217}	15.7	X	356.72960	249.02159	102.54797	10.37817	0.1973533	0.21667239	2.7453665	21	10 18.7	18.6
200278 1999 XZ_{218}	15.6	X	12.39602	105.50578	287.05137	13.54266	0.1199920	0.22287396	2.6942000	21	12 28.3	18.9
200279 1999 XC_{237}	16.2	X	332.13435	132.21763	265.58000	3.99350	0.0348675	0.22167024	2.7039446	21	10 27.6	19.7
200280 1999 XF_{244}	15.5	X	309.98532	307.57880	85.43575	16.76478	0.1351707	0.21959044	2.7209909	21	9 20.5	19.0
200281 1999 XF_{252}	16.4	X	149.13506	228.55484	105.11208	3.94008	0.1054714	0.23698840	2.5861358	21	—	—
200282 1999 YB_{5}	15.7	X	297.98848	355.74473	91.16597	10.56979	0.1575205	0.21964546	2.7205366	21	11 5.4	18.8
200283 1999 YG_{10}	16.0	X	42.52373	215.00151	90.08994	7.46742	0.0479229	0.21908593	2.7251666	21	10 10.6	19.7
200284 1999 YE_{12}	15.9	X	1.16969	251.50285	90.74273	5.99930	0.1230097	0.21794814	2.7346428	21	10 5.4	19.0
200285 1999 YF_{12}	16.3	X	245.81250	161.50424	237.36297	1.40005	0.0856321	0.20966093	2.8062372	21	6 26.0	20.2
200286 2000 AY_{49}	15.0	X	310.60052	280.06899	118.98901	9.94898	0.2711665	0.21645362	2.7472160	21	9 2.9	17.8
200287 2000 AW_{50}	15.4	X	267.78048	138.27970	303.97782	12.94745	0.1577367	0.21370420	2.7707287	21	9 3.1	19.3
200288 2000 AZ_{61}	15.2	X	358.86733	105.01627	309.77605	11.64322	0.2625075	0.22363432	2.6880897	21	—	—
200289 2000 AT_{80}	15.8	X	219.74756	6.57023	101.38629	14.76577	0.1519747	0.21246341	2.7815056	21	8 22.3	20.3
200290 2000 AD_{108}	15.6	X	278.83295	305.15862	110.43601	10.06892	0.1624649	0.21418178	2.7666084	21	8 20.8	19.3
200291 2000 AW_{108}	15.6	X	199.35616	190.60152	272.39223	10.46033	0.1448188	0.20910121	2.8112428	21	7 21.8	20.2
200292 2000 AY_{115}	15.5	X	253.67743	204.78792	271.18457	9.27458	0.2316780	0.21606807	2.7504831	21	9 19.4	19.8
200293 2000 AG_{181}	15.3	X	294.54105	186.53937	236.93774	9.01987	0.2396648	0.21673767	2.7448152	21	9 5.2	18.6
200294 2000 AT_{205}	15.8	X	244.55669	163.64902	293.05578	11.32551	0.1101072	0.21248656	2.7813036	21	8 31.1	20.0
200295 2000 AT_{213}	15.8	X	25.35803	282.11578	96.84364	3.26283	0.1012287	0.22204836	2.7008741	21	12 25.8	19.1
200296 2000 AV_{218}	15.9	X	282.78166	96.81769	312.52059	2.75754	0.1076173	0.21237782	2.7822530	21	8 23.7	19.6
200297 2000 AC_{219}	15.8	X	340.80444	197.18708	91.63305	3.23163	0.0275841	0.20324377	2.8649996	21	6 15.6	19.4
200298 2000 AS_{229}	15.6	X	251.99338	210.45086	271.32620	12.78497	0.1320799	0.21863618	2.7289026	21	10 8.1	19.7
200299 2000 AY_{233}	15.9	X	270.09874	10.16272	81.96871	10.22805	0.2076696	0.21889962	2.7267127	21	9 23.7	19.7
200300 2000 BK_{14}	15.7	X	255.03729	346.29553	101.91783	8.78658	0.2920010	0.21174603	2.7877845	21	8 16.2	20.0
200301 2000 CS_{19}	15.2	X	26.02341	292.05124	257.01620	4.74128	0.2024833	0.19218083	2.9739204	21	4 13.2	18.3
200302 2000 CW_{78}	15.7	X	190.29353	135.43740	306.20747	4.36861	0.1115229	0.20225559	2.8743238	21	6 18.6	20.1
200303 2000 CQ_{97}	16.2	X	9.83878	277.29277	133.50559	15.06946	0.2269995	0.22373302	2.6872990	21	—	—
200304 2000 CL_{108}	14.2	X	249.74001	227.37067	280.19908	22.53857	0.1098636	0.17159799	3.2072138	21	11 4.4	19.2
200305 2000 CW_{125}	15.4	X	293.03204	74.91382	349.86549	8.73754	0.2668590	0.21436848	2.7650019	21	9 5.1	18.4
200306 2000 CO_{137}	16.1	X	161.17661	352.43338	134.66457	2.91658	0.0103658	0.20283585	2.8688394	21	7 12.4	20.1
200307 2000 DD_{55}	15.9	X	27.10972	111.46037	44.68594	1.46541	0.1431577	0.18773603	3.0206770	21	3 2.4	19.2
200308 2000 DN_{57}	16.3	X	131.79568	187.72822	312.31101	2.99765	0.1993957	0.19961508	2.8996159	21	7 9.4	21.0
200309 2000 DY_{88}	16.6	X	130.79289	237.51114	283.19031	0.75499	0.0370081	0.20273421	2.8697982	21	7 20.3	20.6
200310 2000 DR_{92}	15.2	X	75.42895	43.99266	333.77644	10.04367	0.0736490	0.17689639	3.1428482	21	—	—
200311 2000 EH_{10}	17.6	X	218.90824	190.25540	333.99084	2.29747	0.1011924	0.30494923	2.1860044	21	11 14.3	20.1
200312 2000 ER_{59}	15.5	X	346.40431	63.51190	151.73593	2.68040	0.1504572	0.18654837	3.0334842	21	3 8.8	18.9
200313 2000 EB_{62}	15.7	X	307.04902	46.73061	182.88840	5.11085	0.1588589	0.18259822	3.0770770	21	1 28.7	20.0
200314 2000 ER_{115}	17.0	X	90.29013	116.18386	172.27940	5.72857	0.0412799	0.30383025	2.1913683	21	11 30.1	19.8
200315 2000 EH_{124}	15.4	X	310.89161	153.75322	93.16057	2.11957	0.2104981	0.18528786	3.0472266	21	2 17.4	19.5
200316 2000 EQ_{169}	15.0	X	226.90406	340.77456	99.06877	16.28438	0.1087009	0.20382643	2.8595370	21	7 25.8	19.3
200317 2000 EW_{174}	17.4	X	65.91573	281.59742	348.36623	2.88511	0.0982531	0.29920801	2.2138791	21	10 8.2	20.0
200318 2000 ER_{197}	16.4	X	348.33192	346.91709	353.06308	5.30925	0.1387073	0.29662073	2.2267342	21	9 16.4	17.9
200319 2000 FE_{20}	15.1	X	58.47896	25.66461	144.22310	11.87001	0.1025709	0.19143071	2.9816842	21	5 11.3	19.1
200320 2000 FF_{69}	16.2	X	6.36018	130.93097	50.01556	1.44251	0.0988245	0.18449887	3.0559078	21	3 1.7	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200321 2000 GU_4	16.4	X	325.85652	20.83364	183.44709	25.39245	0.2375142	0.27362884	2.3497851	21	—	—
200322 2000 GJ_{20}	17.1	X	300.31759	266.63077	16.14541	1.87371	0.2448561	0.27870663	2.3211570	21	3 3.3	20.3
200323 2000 GH_{22}	17.2	X	74.92683	245.06705	45.21436	3.09782	0.1511612	0.29833635	2.2181893	21	11 23.7	20.0
200324 2000 GA_{27}	15.3	X	308.30241	57.93032	184.07036	7.02160	0.1014682	0.18351436	3.0668275	21	2 21.9	19.6
200325 2000 GM_{32}	16.7	X	188.56438	268.81224	20.84620	6.54211	0.2181837	0.26479803	2.4017412	21	—	—
200326 2000 GZ_{34}	17.1	X	135.71128	202.78085	17.79660	5.40778	0.0741824	0.29831611	2.2182896	21	10 23.9	19.9
200327 2000 GL_{63}	15.6	X	23.87610	328.35890	204.54772	6.15012	0.0572890	0.18462974	3.0544635	21	3 16.3	19.7
200328 2000 GN_{70}	16.5	X	31.87323	72.83897	209.99100	8.06983	0.1864512	0.28952529	2.2629678	21	9 16.8	18.7
200329 2000 GJ_{112}	15.2	X	36.12899	132.35298	24.38962	9.70418	0.0916234	0.18660775	3.0328407	21	3 18.9	18.9
200330 2000 GO_{129}	15.5	X	192.80671	151.75469	192.57699	7.32569	0.0806299	0.18250361	3.0781403	21	2 21.7	20.3
200331 2000 GR_{129}	15.5	X	168.40469	210.93237	193.52792	23.11449	0.2067548	0.18994742	2.9971866	21	4 17.5	20.5
200332 2000 GT_{135}	15.3	X	310.14285	176.56910	58.89887	17.19124	0.2809983	0.18089966	3.0963084	21	1 28.3	20.1
200333 2000 GC_{186}	14.7	X	57.79703	6.56924	142.44506	13.79364	0.1230934	0.18583975	3.0411906	21	4 16.9	18.7
200334 2000 HO_{11}	17.2	X	254.06898	86.95468	138.64528	2.80032	0.1141806	0.31206558	2.1526436	21	—	—
200335 2000 HS_{18}	17.1	X	77.05104	186.38631	61.20693	4.07440	0.1331579	0.29251395	2.2475274	21	9 28.8	19.9
200336 2000 HN_{24}	15.1	X	306.92577	179.37017	38.73088	7.59489	0.1482798	0.17857234	3.1231529	21	1 20.1	19.6
200337 2000 HA_{41}	15.0	X	344.64404	139.51257	74.17936	18.67852	0.2073805	0.18337060	3.0684302	21	3 7.0	19.0
200338 2000 HP_{43}	17.0	X	14.55638	255.42246	31.99178	0.73594	0.2032715	0.28680358	2.2772620	21	8 24.1	18.3
200339 2000 HX_{50}	17.4	X	18.61622	209.44574	49.02024	2.58831	0.2156641	0.28445895	2.2897583	21	7 14.5	18.8
200340 2000 HR_{82}	15.6	X	290.10744	342.37805	199.29151	5.08933	0.1309387	0.17305414	3.1891973	21	—	—
200341 2000 HU_{93}	16.9	X	191.59723	136.90204	43.12846	8.03007	0.0373695	0.29900092	2.2149013	21	11 8.7	19.6
200342 2000 HT_{95}	15.1	X	39.32502	267.51325	220.23581	10.61215	0.0215129	0.17896076	3.1186323	21	2 6.8	19.6
200343 2000 JV	16.0	X	145.40862	112.58181	194.14689	11.39284	0.2264129	0.25958360	2.4337981	21	—	—
200344 2000 JA_{1}	15.2	X	22.52479	83.96481	79.10370	9.79700	0.0491295	0.18344065	3.0676490	21	3 8.7	19.4
200345 2000 JC_{1}	15.7	X	223.68128	71.48731	90.96200	25.66482	0.3722446	0.21232258	2.7827355	21	10 22.9	21.1
200346 2000 JU_{6}	14.9	X	287.29772	176.47088	68.80963	14.93684	0.1388826	0.17994692	3.1072279	21	2 2.1	19.7
200347 2000 JC_{42}	17.9	X	279.72631	221.68977	56.35867	1.10961	0.2113236	0.27375852	2.3490429	21	2 8.8	21.4
200348 2000 JB_{64}	16.8	X	69.70082	32.92781	214.30293	4.76802	0.1546086	0.28981782	2.2614448	21	9 17.8	19.6
200349 2000 JN_{82}	16.7	X	274.88990	265.77382	47.53849	5.26167	0.2419172	0.27661655	2.3328346	21	3 19.2	20.2
200350 2000 KV_{27}	16.3	X	262.76656	237.39506	74.66182	8.85501	0.2617577	0.27291144	2.3539012	21	3 8.0	20.3
200351 2000 KN_{34}	16.7	X	353.10902	214.27066	79.32033	7.80269	0.1234999	0.28451225	2.2894723	21	7 8.4	18.6
200352 2000 KH_{37}	15.1	X	34.80210	5.44794	45.05278	10.70129	0.0715044	0.16836067	3.2481964	21	—	—
200353 2000 KR_{39}	17.1	X	282.45089	259.02074	90.59877	7.57523	0.1464919	0.28226593	2.3016030	21	5 26.4	19.9
200354 2000 KR_{42}	17.3	X	178.31029	167.28281	171.26053	6.29328	0.2417781	0.26078526	2.4263159	21	1 30.3	21.4
200355 2000 KY_{46}	15.2	X	274.37086	27.31774	223.86316	14.89623	0.2299532	0.17488083	3.1669503	21	1 11.9	20.6
200356 2000 KS_{51}	15.6	X	72.21146	53.78603	60.23097	10.25433	0.0602935	0.18111845	3.0938144	21	3 17.2	19.9
200357 2000 KD_{52}	15.8	X	339.04433	60.13330	144.50062	2.42094	0.2001639	0.18156190	3.0887748	21	2 5.2	19.3
200358 2000 OO_{37}	15.8	X	187.40122	100.68291	253.51547	9.15584	0.2645864	0.26330420	2.4108167	21	2 22.5	20.2
200359 2000 PB_{7}	16.5	X	250.89725	98.73030	288.00858	5.86388	0.1176149	0.27598208	2.3364086	21	6 10.4	19.7
200360 2000 PN_{25}	16.3	X	61.61609	141.43739	189.31359	17.11315	0.2678551	0.24529790	2.5273971	21	—	—
200361 2000 PO_{32}	16.3	X	58.66156	131.99495	201.82936	7.58323	0.1248656	0.24481237	2.5307377	21	12 18.9	19.9
200362 2000 QL	16.8	X	175.29977	229.33756	151.39631	1.65815	0.1914555	0.26379483	2.4078265	21	3 18.3	20.5
200363 2000 QD_{2}	17.3	X	270.55810	250.45036	158.27316	23.50675	0.0821128	0.37412591	1.9074692	21	8 19.4	19.0
200364 2000 QA_{26}	16.3	X	52.21082	0.79839	345.84534	8.34639	0.2561526	0.24405862	2.5359457	21	—	—
200365 2000 QX_{38}	15.0	X	240.58813	185.29640	155.43142	9.84695	0.0740039	0.17534455	3.1613643	21	4 13.5	19.8
200366 2000 QG_{48}	17.0	X	253.52456	14.02465	321.56503	2.07799	0.2095475	0.26966780	2.3727391	21	3 27.8	20.6
200367 2000 QZ_{50}	16.0	X	206.34419	243.48356	141.90238	5.31194	0.1443475	0.26828750	2.3808704	21	4 22.3	19.7
200368 2000 QS_{51}	16.5	X	54.02457	27.99081	332.98767	5.83896	0.2091733	0.24609584	2.5219310	21	—	—
200369 2000 QL_{57}	16.9	X	151.68847	216.90416	157.28598	2.72308	0.1961861	0.25944723	2.4346508	21	2 16.6	20.4
200370 2000 QX_{64}	16.2	X	178.04911	248.90808	110.99735	7.23643	0.1335176	0.26080555	2.4261901	21	2 21.5	19.8
200371 2000 QF_{66}	16.0	X	162.23610	317.37598	70.93198	7.69974	0.1104350	0.26146618	2.4221017	21	3 13.4	19.6
200372 2000 QW_{81}	16.3	X	155.61139	91.63237	341.85083	6.07624	0.1092458	0.26724061	2.3870842	21	4 26.7	19.7
200373 2000 QH_{89}	16.2	X	196.21016	153.58315	265.39770	5.11570	0.1810754	0.27002386	2.3706528	21	5 23.1	20.0
200374 2000 QK_{91}	16.8	X	207.02603	161.12274	244.41169	2.53093	0.1463012	0.26988411	2.3714711	21	5 16.8	20.2
200375 2000 QQ_{91}	16.4	X	45.42205	66.36532	325.63267	7.05674	0.2340040	0.24599599	2.5226134	21	—	—
200376 2000 QL_{99}	16.1	X	42.27162	8.34754	16.45237	5.50444	0.2190764	0.24463697	2.5319473	21	—	—
200377 2000 QT_{120}	16.2	X	192.72465	76.96651	290.53579	5.47611	0.1297149	0.26323435	2.4112432	21	3 12.3	20.0
200378 2000 QV_{134}	16.6	X	236.80784	256.51603	105.53553	5.19010	0.1528113	0.27061984	2.3671710	21	4 21.9	20.2
200379 2000 QW_{152}	17.0	X	37.79930	52.56230	309.47467	6.33011	0.3008000	0.24345881	2.5401092	21	—	—
200380 2000 QG_{160}	16.3	X	239.08468	77.39261	270.37181	6.31301	0.1293401	0.26870815	2.3783850	21	4 1.5	20.0
200381 2000 QJ_{167}	16.8	X	173.92099	46.10795	317.54793	5.94230	0.1291383	0.26134424	2.4228550	21	2 18.9	20.3
200382 2000 QV_{169}	16.7	X	260.90565	85.14657	207.31440	6.01314	0.1693041	0.26565632	2.3965654	21	2 10.9	20.5
200383 2000 QG_{175}	15.9	X	82.74622	143.32124	181.08037	6.57780	0.1414165	0.24624290	2.5209268	21	—	—
200384 2000 QY_{182}	17.1	X	81.58383	107.69584	223.45359	3.70973	0.2560295	0.24639155	2.5199128	21	—	—
200385 2000 QH_{194}	16.5	X	291.18296	207.51356	114.28558	5.30086	0.1808496	0.27377418	2.3489534	21	4 25.4	19.6
200386 2000 QT_{196}	17.1	X	187.11919	333.13565	9.25482	2.20242	0.2460807	0.26148980	2.4219558	21	2 12.8	21.3
200387 2000 QM_{210}	17.1	X	145.31629	7.78756	348.58819	2.08025	0.2147227	0.25662890	2.4524435	21	1 22.1	20.6
200388 2000 QD_{224}	16.6	X	142.02491	104.16502	300.65596	5.79243	0.1049895	0.26214007	2.4179489	21	3 4.3	20.0
200389 2000 QH_{252}	16.1	X	150.23795	13.50239	52.43864	10.14514	0.2178891	0.26287053	2.4134675	21	4 24.8	20.0
200390 2000 RE_{18}	16.3	X	203.77753	33.58978	302.23534	5.22832	0.1632862	0.26213639	2.4179715	21	2 14.2	20.3
200391 2000 RU_{18}	16.0	X	298.52664	38.93565	218.10648	7.52114	0.2320542	0.26716056	2.3875610	21	1 27.8	19.6
200392 2000 RN_{21}	16.3	X	27.67580	21.15411	294.34772	4.18333	0.2060475	0.23702509	2.5858689	21	10 23.1	19.2
200393 2000 RM_{25}	16.2	X	191.83386	139.58936	227.36918	6.05563	0.1225053	0.26328497	2.4109341	21	3 10.8	19.9
200394 2000 RJ_{51}	15.7	X	163.52317	315.39024	45.86158	3.57644	0.2061698	0.25602718	2.4562845	21	2 14.9	19.6
200395 2000 RV_{63}	16.4	X	134.44975	262.43821	157.16845	2.21967	0.1896692	0.26098292	2.4250907	21	3 28.3	19.7
200396 2000 RJ_{64}	15.3	X	334.68711	156.40497	241.86411	12.96297	0.1589891	0.23945875	2.5683187	21	11 6.1	17.7
200397 2000 RR_{76}	16.3	X	197.72942	304.03540	110.61575	3.29378	0.2134200	0.27019996	2.3696227	21	5 19.8	20.2
200398 2000 RE_{89}	16.3	X	124.24092	97.53389	276.86635	7.52317	0.0541460	0.25572645	2.4582098	21	—	—
200399 2000 RQ_{102}	15.9	X	117.58016	124.57270	272.18165	7.56095	0.2241854	0.25503996	2.4626190	21	2 9.5	19.2
200400 2000 SZ_{24}	16.4	X	147.84327	282.73546	68.30241	8.08639	0.2626085	0.25437346	2.4669188	21	1 24.7	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200401 2000 SF_{25}	15.8	X	35.13326	71.60668	320.33891	12.45988	0.2004827	0.24168650	2.5525120	21	—	—
200402 2000 SG_{44}	17.3	X	300.37417	74.28006	13.01296	19.63130	0.0957795	0.37971499	1.8887054	21	12 29.1	19.2
200403 2000 SV_{52}	16.5	X	126.74002	174.61318	244.60979	1.47365	0.1753286	0.25998418	2.4312975	21	3 16.2	19.9
200404 2000 SW_{59}	16.9	X	130.93597	191.29006	205.47895	2.79854	0.1820662	0.25748186	2.4470244	21	2 20.9	20.3
200405 2000 SA_{66}	16.6	X	108.37068	277.39414	159.77119	1.38840	0.1678502	0.25868951	2.4394027	21	3 17.3	19.4
200406 2000 SK_{74}	16.1	X	98.69095	309.38426	122.26977	5.27415	0.1615348	0.25592430	2.4569427	21	2 24.8	19.0
200407 2000 SN_{79}	16.3	X	210.89008	280.03457	41.23833	5.84876	0.1870418	0.26062835	2.4272897	21	2 6.6	20.3
200408 2000 SH_{83}	16.9	X	258.79543	273.10267	85.88394	2.10106	0.1734643	0.27058407	2.3673796	21	5 6.9	20.1
200409 2000 ST_{91}	16.2	X	163.28567	157.07346	268.16169	8.51219	0.2156539	0.26560340	2.3968837	21	5 1.3	20.2
200410 2000 SH_{103}	16.9	X	135.26983	76.79872	303.63447	1.08940	0.1882080	0.25605084	2.4561332	21	2 6.9	20.2
200411 2000 SW_{105}	16.8	X	141.58170	228.72799	216.07298	1.38936	0.2076325	0.26326299	2.4110683	21	5 8.3	20.4
200412 2000 SE_{118}	16.6	X	221.23787	270.29600	61.06780	2.14189	0.2025306	0.26225752	2.4172269	21	2 25.9	20.5
200413 2000 SF_{126}	15.7	X	158.07439	308.65145	55.74471	8.47153	0.2576981	0.25626195	2.4547841	21	2 20.4	19.8
200414 2000 SQ_{133}	16.4	X	320.62879	130.15063	285.84916	6.96297	0.1827119	0.23680724	2.5874546	21	10 30.5	19.0
200415 2000 SE_{159}	16.2	X	284.56792	72.65252	187.04974	5.98508	0.0755875	0.26061772	2.4273557	21	2 5.3	19.4
200416 2000 SG_{181}	16.7	X	191.02967	263.65715	91.78928	6.96826	0.1242292	0.26305212	2.4123566	21	3 1.2	20.4
200417 2000 SO_{182}	13.9	X	245.97979	164.26615	231.13980	23.06974	0.3179001	0.12625549	3.9352217	21	6 1.2	20.4
200418 2000 SL_{198}	16.3	X	313.13221	253.28245	359.15914	7.22178	0.0962170	0.26530608	2.3986741	21	3 3.5	19.2
200419 2000 SN_{199}	16.4	X	178.32721	73.40251	21.87687	4.05529	0.1452719	0.27014840	2.3699242	21	6 23.1	20.1
200420 2000 SX_{208}	16.6	X	171.72659	333.10894	82.91589	5.51543	0.1875026	0.26465739	2.4025920	21	4 29.8	20.4
200421 2000 SW_{217}	16.1	X	127.84860	58.83461	38.07915	22.32938	0.2927039	0.26050834	2.4280351	21	5 14.8	20.2
200422 2000 SN_{230}	16.1	X	155.21376	318.45141	28.52379	2.74516	0.1862277	0.25428608	2.4674839	21	1 18.0	19.7
200423 2000 SL_{234}	16.4	X	114.65624	0.69879	45.03627	10.40516	0.2345427	0.25601634	2.4563538	21	2 27.5	19.8
200424 2000 ST_{236}	16.8	X	289.66091	160.23037	151.08170	1.56265	0.1844739	0.26934549	2.3746316	21	4 7.1	19.8
200425 2000 SE_{289}	16.4	X	90.53377	185.84011	254.94451	3.36423	0.0832866	0.25810304	2.4430966	21	2 9.7	19.3
200426 2000 SC_{299}	16.5	X	181.73118	117.82378	312.96266	4.40268	0.2092542	0.26690473	2.3890865	21	5 25.2	20.6
200427 2000 SA_{336}	16.5	X	127.45503	50.28042	337.81877	5.73851	0.1474298	0.25508997	2.4622971	21	2 3.3	19.8
200428 2000 SK_{337}	16.8	X	156.19883	359.90785	75.31308	4.28320	0.1877915	0.26504264	2.4002633	21	5 8.9	20.5
200429 2000 SF_{340}	17.1	X	194.15051	216.62268	109.18157	2.86124	0.1789962	0.26029381	2.4293690	21	1 26.5	20.8
200430 2000 TS_{18}	16.7	X	18.11952	53.56163	20.46983	4.54358	0.2171381	0.24417248	2.5351573	21	—	—
200431 2000 TH_{24}	17.2	X	153.85633	337.65261	77.77526	3.15080	0.2078260	0.26162471	2.4211231	21	4 13.6	21.0
200432 2000 TY_{32}	16.5	X	268.45565	120.47959	252.98939	18.57406	0.1084509	0.36707357	1.9318229	21	6 12.6	18.4
200433 2000 TX_{35}	16.3	X	27.00664	75.46838	267.40083	3.49169	0.1078197	0.23722616	2.5844075	21	11 14.6	19.3
200434 2000 US_{33}	15.7	X	138.72050	347.54859	60.31932	11.12975	0.2371301	0.25759600	2.4463014	21	3 28.3	19.6
200435 2000 UN_{34}	16.6	X	156.83419	136.49993	241.65646	2.35452	0.2072978	0.25751773	2.4467971	21	2 26.7	20.3
200436 2000 UV_{34}	16.8	X	136.05936	105.73753	243.92801	2.25969	0.2766131	0.25258282	2.4785642	21	1 11.6	20.4
200437 2000 UD_{45}	16.0	X	147.37524	336.69363	54.90508	7.27871	0.1106387	0.25632806	2.4543620	21	3 1.2	19.5
200438 2000 UB_{63}	16.3	X	149.71477	77.82477	285.08424	4.06637	0.0581815	0.25383896	2.4703806	21	1 15.7	19.7
200439 2000 UW_{74}	16.9	X	159.03451	196.31764	228.79477	2.43192	0.1881279	0.26256513	2.4153386	21	4 27.8	20.5
200440 2000 UY_{83}	16.7	X	178.02248	297.39650	122.40716	3.21130	0.1764307	0.26368360	2.4085036	21	5 9.3	20.5
200441 2000 UF_{108}	14.9	X	199.11339	266.68981	162.02690	9.90343	0.2845169	0.12377194	3.9876887	21	6 9.9	21.8
200442 2000 VH_{13}	16.6	X	5.22102	195.66239	197.26885	5.75497	0.2537586	0.23803736	2.5785326	21	—	—
200443 2000 VF_{14}	16.6	X	203.64772	332.62249	59.26504	3.15430	0.2059297	0.26434285	2.4044975	21	4 26.2	20.4
200444 2000 VQ_{14}	16.7	X	172.88718	303.23520	134.78385	3.41628	0.1662161	0.26442031	2.4040279	21	5 27.4	20.4
200445 2000 VU_{21}	14.7	X	206.15383	246.31256	162.88200	2.35637	0.2666156	0.12278398	4.0090510	21	5 23.5	21.5
200446 2000 VG_{39}	16.0	X	355.54148	305.09208	74.61192	32.30113	0.3388156	0.23426265	2.6061577	21	12 14.9	18.0
200447 2000 WD_{9}	17.3	X	244.17731	33.49332	88.67212	23.51590	0.0829110	0.37122258	1.9174018	21	11 16.0	19.4
200448 2000 WF_{9}	16.6	X	338.67425	293.50144	66.28490	24.97764	0.1853175	0.37202070	1.9146584	21	11 3.9	17.8
200449 2000 WY_{12}	16.0	X	331.29800	216.33748	262.70379	14.65472	0.1964878	0.24106313	2.5569105	21	—	—
200450 2000 WH_{16}	16.4	X	26.19609	319.24568	55.55096	6.14854	0.2640029	0.23866960	2.5739769	21	—	—
200451 2000 WN_{21}	16.4	X	44.06967	309.59738	70.71420	3.44468	0.1974370	0.24100179	2.5573443	21	—	—
200452 2000 WE_{59}	15.6	X	60.01812	322.23109	91.90043	8.18311	0.2378196	0.24547197	2.5262022	21	—	—
200453 2000 WA_{60}	15.7	X	349.50255	38.01497	93.70384	7.57281	0.1973089	0.24253370	2.5465643	21	—	—
200454 2000 WQ_{60}	15.8	X	94.19854	201.38148	180.34469	3.27978	0.2506227	0.24621603	2.5211102	21	—	—
200455 2000 WB_{77}	16.4	X	152.07360	143.49559	269.91390	5.64420	0.1345106	0.25882598	2.4385452	21	3 29.9	20.0
200456 2000 WX_{93}	16.5	X	174.88231	300.70009	75.03762	3.49591	0.2229836	0.25757689	2.4464225	21	3 15.6	20.6
200457 2000 WM_{98}	16.0	X	43.43920	25.74449	60.21375	3.53602	0.1926231	0.24529896	2.5273899	21	—	—
200458 2000 WY_{106}	16.8	X	37.45664	84.98013	267.05928	18.05475	0.0653276	0.37736187	1.8965489	21	—	—
200459 2000 WY_{110}	15.7	X	326.80214	199.57288	290.46199	7.73705	0.1451683	0.24119777	2.5559588	21	—	—
200460 2000 WR_{112}	15.2	X	125.86584	317.22586	12.37992	5.44027	0.1046767	0.24427834	2.5344248	21	—	—
200461 2000 WX_{114}	15.8	X	66.43642	128.73716	350.55223	3.62528	0.1357608	0.25267109	2.4779869	21	3 6.6	18.4
200462 2000 WZ_{117}	15.6	X	61.01143	42.09147	32.48583	5.70200	0.1397969	0.24618418	2.5213276	21	—	—
200463 2000 WB_{134}	16.1	X	136.76297	6.62475	345.39247	6.66271	0.1991706	0.25130979	2.4869274	21	1 7.2	19.6
200464 2000 WD_{134}	15.9	X	261.11310	51.47278	308.80122	6.05088	0.1569812	0.26839031	2.3802623	21	5 10.6	19.4
200465 2000 WT_{140}	14.7	X	232.80873	128.80716	276.67506	1.63194	0.2519174	0.12412986	3.9800196	21	6 7.8	21.1
200466 2000 WG_{148}	15.9	X	45.81129	123.64307	238.53886	4.11039	0.0740453	0.23778647	2.5803461	21	12 30.5	19.4
200467 2000 WG_{165}	16.1	X	232.86842	250.49050	84.47850	7.44615	0.1452473	0.26318148	2.4115661	21	3 17.0	19.9
200468 2000 WZ_{188}	16.1	X	140.33965	160.43944	248.22653	7.28273	0.0768915	0.25744917	2.4472315	21	3 2.8	19.6
200469 2000 WF_{192}	15.9	X	23.08639	257.05294	111.74167	13.86621	0.2033206	0.23800837	2.5787420	21	12 29.1	19.1
200470 2000 XU_{12}	15.5	X	118.82260	336.01710	36.35710	11.27512	0.1201662	0.24656109	2.5187575	21	—	—
200471 2000 XW_{21}	15.3	X	280.56659	63.38644	287.99300	13.35097	0.1671966	0.22063970	2.7123576	21	5 23.9	19.3
200472 2000 XY_{21}	15.2	X	72.01319	84.17938	284.07219	11.54510	0.2050924	0.24304132	2.5430172	21	—	—
200473 2000 XW_{33}	16.5	X	333.46194	117.73656	294.12814	18.98370	0.1341369	0.37605535	1.9009391	21	—	—
200474 2000 XD_{46}	15.8	X	249.42779	82.06618	356.92433	18.97902	0.0997413	0.36702555	1.9319914	21	9 5.9	17.6
200475 2000 XJ_{47}	16.7	X	325.23740	73.25487	7.59608	28.57724	0.3502349	0.23467305	2.6031183	21	12 29.3	19.0
200476 2000 YJ_{1}	16.8	X	304.01158	356.44490	353.29270	20.82711	0.0486309	0.36485769	1.9396366	21	7 26.3	19.0
200477 2000 YY_{5}	16.7	X	221.54721	27.30764	94.27761	23.99241	0.0658800	0.36717972	1.9314505	21	10 18.9	19.5
200478 2000 YU_{11}	15.3	X	38.52520	156.08248	244.25560	13.07291	0.1796750	0.23833031	2.5764192	21	—	—
200479 2000 YO_{12}	16.1	X	80.98877	228.24318	154.01198	3.11486	0.2374640	0.24468943	2.5315853	21	—	—
200480 2000 YZ_{16}	16.3	X	327.66621	80.51082	281.74385	18.84205	0.1172594	0.36831055	1.9274951	21	9 3.6	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200481 2000 YX_{17}	15.5	X	45.13937	315.13562	95.71388	10.51516	0.1472718	0.24484232	2.5305314	21	—	—
200482 2000 YA_{24}	15.8	X	297.25157	237.60479	286.11484	4.38206	0.0954904	0.23842649	2.5757263	21	—	—
200483 2000 YZ_{25}	16.1	X	305.03334	64.05752	81.25685	18.32284	0.1162034	0.23946293	2.5682888	21	—	—
200484 2000 YS_{33}	16.6	X	345.28771	265.06314	137.56136	22.89239	0.1295239	0.37531784	1.9034286	21	—	—
200485 2000 YE_{38}	15.4	X	223.28531	266.99939	265.88468	13.17213	0.0504817	0.23085326	2.6317545	21	11 25.8	19.0
200486 2000 YK_{38}	15.6	X	20.50102	151.07496	289.43824	6.23594	0.1934015	0.24180035	2.5517107	21	—	—
200487 2000 YV_{39}	15.8	X	358.88679	301.17005	96.99909	4.65193	0.1664922	0.23425258	2.6062323	21	12 23.3	18.3
200488 2000 YO_{49}	16.1	X	4.75530	304.30932	111.47963	11.00248	0.2252297	0.23636663	2.5906690	21	—	—
200489 2000 YW_{52}	15.0	X	176.16243	101.27078	104.16824	13.85516	0.2114002	0.22557951	2.6726142	21	11 8.9	19.7
200490 2000 YD_{60}	15.5	X	322.33031	288.20837	257.26031	4.18472	0.1405813	0.24292742	2.5438121	21	—	—
200491 2000 YA_{64}	15.7	X	306.07278	11.43230	118.14129	8.69642	0.1452428	0.23502762	2.6004995	21	—	—
200492 2000 YZ_{67}	15.2	X	162.21200	33.68602	138.74150	25.51715	0.1015593	0.21770783	2.7366548	21	9 17.4	19.6
200493 2000 YW_{70}	16.3	X	42.49348	252.50409	165.17385	2.97787	0.2085171	0.24351407	2.5397249	21	—	—
200494 2000 YH_{74}	15.6	X	273.31200	235.70841	249.07986	11.63505	0.1242905	0.23256778	2.6188041	21	11 19.5	18.8
200495 2000 YE_{83}	15.5	X	71.50571	69.08661	273.33257	7.22221	0.1847457	0.23805191	2.5784275	21	—	—
200496 2000 YK_{89}	16.3	X	129.33855	182.04108	284.54638	3.88077	0.1552455	0.25827288	2.4420254	21	5 18.5	19.8
200497 2000 YJ_{91}	15.7	X	297.22272	282.92040	285.74907	14.18549	0.0558377	0.24474652	2.5311917	21	—	—
200498 2000 YF_{120}	15.3	X	126.64059	102.34039	259.14156	3.57918	0.1846630	0.24668381	2.5179221	21	1 4.8	18.7
200499 2000 YE_{132}	16.4	X	290.15963	65.49206	95.07752	4.63134	0.2568210	0.23416744	2.6068640	21	—	—
200500 2001 AY_{7}	15.6	X	44.60205	106.93079	266.73590	11.92886	0.1573010	0.23605544	2.5929454	21	—	—
200501 2001 AX_{12}	16.2	X	350.34266	148.38889	288.24022	1.09319	0.1623583	0.23595202	2.5937031	21	—	—
200502 2001 AD_{14}	16.1	X	31.04241	321.22388	127.61798	3.34946	0.1330748	0.24199352	2.5503526	21	—	—
200503 2001 AT_{25}	16.7	X	135.34861	210.66039	312.68504	18.30649	0.0512006	0.36074827	1.9543389	21	8 5.6	18.5
200504 2001 AX_{25}	15.6	X	297.75261	28.98626	78.16277	33.68182	0.1953742	0.23056418	2.6339538	21	12 1.5	18.4
200505 2001 AB_{36}	15.7	X	359.15747	78.74112	335.04295	7.71322	0.1638587	0.23465842	2.6032265	21	—	—
200506 2001 AD_{52}	16.0	X	222.05157	106.32095	33.18648	12.20741	0.2638318	0.22453607	2.6808878	21	9 24.7	20.5
200507 2001 BQ_{4}	15.6	X	269.83801	66.17372	88.67572	12.64866	0.1299003	0.23127066	2.6285870	21	12 23.5	18.5
200508 2001 BR_{4}	15.5	X	6.43536	340.34786	94.96439	13.47367	0.2191597	0.23692678	2.5865842	21	—	—
200509 2001 BZ_{6}	15.4	X	67.25979	32.12948	306.79855	13.05192	0.1169612	0.23444023	2.6048414	21	—	—
200510 2001 BQ_{10}	16.5	X	37.55368	295.76253	316.13675	17.79056	0.0654537	0.35759586	1.9658078	21	7 28.1	18.0
200511 2001 BN_{11}	16.9	X	1.64640	215.42561	301.60001	2.29189	0.1591298	0.24426308	2.5345303	21	—	—
200512 2001 BR_{25}	15.9	X	253.02347	37.01903	102.56612	2.29624	0.1151275	0.22844475	2.6502200	21	11 12.2	19.2
200513 2001 BC_{41}	16.0	X	327.60321	281.37631	162.71947	5.23500	0.0855795	0.23172109	2.6251795	21	12 25.2	19.0
200514 2001 BL_{53}	15.6	X	16.52635	247.63137	123.14482	14.05836	0.2912149	0.23039332	2.6352559	21	—	—
200515 2001 BF_{58}	16.1	X	352.15231	244.62358	264.09030	2.40880	0.0818587	0.24193857	2.5507388	21	—	—
200516 2001 BS_{64}	16.3	X	331.97466	259.98689	236.76025	3.95077	0.1850994	0.23794931	2.5791687	21	—	—
200517 2001 BM_{75}	16.2	X	309.98850	148.07797	322.52853	4.10320	0.1805344	0.23239380	2.6201110	21	12 30.1	18.7
200518 2001 BE_{78}	16.2	X	321.87260	266.72477	169.91787	3.51962	0.1607793	0.23093831	2.6311083	21	12 5.6	18.7
200519 2001 CJ	16.9	X	28.45524	245.98774	133.53809	24.09844	0.1015068	0.37490880	1.9048128	21	—	—
200520 2001 CO_{8}	16.2	X	285.94564	128.50559	30.05868	3.59021	0.1879484	0.23249386	2.6193592	21	—	—
200521 2001 CA_{15}	15.9	X	290.84061	93.00374	345.73142	8.00142	0.1167063	0.22599072	2.6693712	21	10 12.6	19.3
200522 2001 CG_{19}	16.6	X	320.14058	160.54713	323.29723	5.69922	0.2001756	0.23527781	2.5986557	21	—	—
200523 2001 CU_{23}	16.3	X	213.74888	236.69096	266.78102	3.66096	0.1034532	0.22298781	2.6932829	21	9 29.4	20.3
200524 2001 CL_{25}	16.2	X	219.70609	194.74649	344.20427	4.36903	0.1444852	0.22662924	2.6643550	21	11 15.8	20.1
200525 2001 CB_{27}	15.3	X	201.44090	33.84487	101.45170	15.16968	0.1484090	0.21739663	2.7392658	21	9 10.4	19.9
200526 2001 CH_{35}	16.5	X	278.92008	315.09374	113.74665	24.18230	0.0867292	0.36610478	1.9352294	21	10 24.5	19.0
200527 2001 CU_{39}	15.6	X	176.64258	96.01412	87.28883	13.95109	0.1164209	0.22250316	2.6971924	21	10 18.6	20.0
200528 2001 CG_{48}	15.7	X	342.16709	10.96203	65.00587	18.49630	0.1503081	0.23339700	2.6125977	21	—	—
200529 2001 DA	15.3	X	180.13003	163.30980	10.24847	17.69385	0.0710609	0.21838168	2.7310223	21	10 4.2	19.1
200530 2001 DR_{7}	15.3	X	164.48386	140.99388	73.16790	11.54464	0.3506607	0.21625613	2.7488884	21	11 4.9	20.6
200531 2001 DH_{20}	16.1	X	34.56557	46.44057	75.13370	5.42379	0.1210923	0.24226783	2.5484271	21	1 12.8	18.7
200532 2001 DH_{32}	15.8	X	345.73915	274.79649	135.01204	11.81296	0.2538279	0.23053354	2.6341872	21	12 24.9	18.1
200533 2001 DV_{46}	16.8	X	323.48613	256.03477	215.16362	3.34036	0.2032400	0.23377998	2.6097435	21	—	—
200534 2001 DU_{73}	15.9	X	332.78582	293.46747	175.65899	5.01156	0.1674172	0.23458278	2.6037860	21	—	—
200535 2001 DN_{92}	15.6	X	35.64277	312.92809	110.87041	14.11985	0.2123843	0.23847624	2.5753680	21	—	—
200536 2001 DX_{94}	15.6	X	232.26808	272.04177	254.87114	10.26084	0.1481685	0.22695527	2.6618028	21	11 14.9	19.4
200537 2001 DA_{98}	15.7	X	37.15239	160.83829	267.33645	7.96243	0.1429819	0.23904539	2.5712786	21	—	—
200538 2001 EH	16.5	X	297.53996	323.87384	170.96534	6.64937	0.2710254	0.23127717	2.6285377	21	12 28.5	18.7
200539 2001 EY_{11}	15.9	X	279.61602	5.25604	128.88936	3.42794	0.1213822	0.22801134	2.6535774	21	12 11.8	19.1
200540 2001 EF_{18}	16.2	X	305.89355	48.37634	83.92251	3.70576	0.2370164	0.23304855	2.6152012	21	—	—
200541 2001 FX	15.6	X	220.72952	322.62511	198.33102	11.27783	0.1290980	0.22268780	2.6957013	21	10 29.3	19.6
200542 2001 FA_{8}	15.9	X	201.36918	161.12754	35.96939	2.53136	0.1321018	0.22323022	2.6913327	21	11 20.8	20.1
200543 2001 FH_{71}	17.0	X	298.25018	120.02893	18.45480	6.43510	0.2744427	0.23151489	2.6267380	21	—	—
200544 2001 FJ_{86}	13.7	X	24.85984	200.37045	182.25547	3.04575	0.0685122	0.08022432	5.3243349	21	11 26.9	20.4
200545 2001 FZ_{87}	16.5	X	271.55670	113.43730	76.07008	6.01785	0.1527687	0.23095938	2.6309483	21	—	—
200546 2001 FV_{138}	16.4	X	271.07643	245.50200	254.11515	6.34233	0.2734476	0.22767992	2.6561518	21	11 10.9	19.7
200547 2001 FA_{148}	16.3	X	305.83324	227.72741	321.10408	4.43399	0.1021355	0.23675024	2.5878698	21	—	—
200548 2001 FU_{154}	15.5	X	196.63231	109.69812	28.49313	9.09716	0.0946632	0.21418893	2.7665469	21	9 9.9	19.7
200549 2001 FR_{156}	15.2	X	209.29469	107.64074	59.15976	9.48816	0.2154377	0.22136708	2.7064127	21	10 18.9	19.6
200550 2001 FL_{163}	16.4	X	284.78830	339.16137	131.49544	13.32501	0.2364553	0.22736931	2.6585703	21	11 6.4	19.6
200551 2001 FM_{186}	16.1	X	324.16804	237.09233	272.66143	5.63717	0.1433586	0.23553604	2.5967560	21	—	—
200552 2001 HB_{12}	15.9	X	322.84231	246.63562	1.01689	8.65635	0.2370360	0.24289915	2.5440095	21	2 21.4	19.1
200553 2001 HD_{46}	15.3	X	96.59745	176.05259	62.37227	11.59201	0.1860878	0.21036448	2.7999768	21	10 10.0	19.8
200554 2001 KS_{20}	15.6	X	248.18486	124.81040	99.51304	15.39248	0.1378269	0.23274849	2.6174485	21	—	—
200555 2001 KY_{29}	16.7	X	90.57960	208.94624	54.09260	5.22967	0.1647238	0.25965958	2.4333233	21	11 2.2	20.1
200556 2001 KA_{42}	15.4	X	229.26524	107.70562	178.26612	10.27303	0.1319631	0.18298948	3.0726892	21	1 19.3	20.4
200557 2001 KH_{42}	16.0	X	249.22735	307.52108	278.26417	3.46061	0.1220826	0.22784019	2.6549061	21	—	—
200558 2001 KY_{45}	14.4	X	300.27653	352.35437	236.19828	23.89982	0.1836307	0.18481622	3.0524086	21	1 10.8	19.3
200559 2001 MQ_{1}	17.2	X	6.77137	106.37143	213.08642	6.07839	0.2229048	0.30165387	2.2018959	21	10 4.8	18.5
200560 2001 OG_{5}	14.3	X	147.89128	93.73293	304.10972	20.08542	0.1723732	0.17561603	3.1581053	21	3 10.8	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200561 2001 OJ_{16}	16.8	X	260.16779	308.01315	53.91608	7.89730	0.2230038	0.28594945	2.2817946	21	5 6.2	20.0
200562 2001 OB_{22}	16.3	X	339.36215	210.70319	150.96682	4.67495	0.2065565	0.29616118	2.2290371	21	10 7.8	17.4
200563 2001 OJ_{29}	14.8	X	207.60135	190.38451	100.92659	11.30511	0.1945255	0.17448403	3.1717499	21	1 9.5	20.1
200564 2001 OX_{40}	16.6	X	310.36162	280.98811	80.84276	9.72615	0.1725441	0.29328188	2.2436024	21	7 27.1	18.6
200565 2001 OE_{56}	15.4	X	345.36824	186.73348	77.96419	12.69495	0.0916577	0.18989741	2.9977128	21	5 19.1	19.1
200566 2001 OT_{63}	17.0	X	359.68015	207.41589	116.06413	5.42049	0.1823772	0.29798071	2.2199539	21	9 22.1	18.5
200567 2001 OW_{72}	16.1	X	66.53121	296.46831	334.46761	7.62492	0.2146305	0.29940078	2.2129288	21	10 24.2	19.1
200568 2001 OK_{76}	15.2	X	111.88542	253.66234	97.58858	8.57107	0.1325942	0.16808416	3.2517577	21	—	—
200569 2001 PX_{18}	17.1	X	259.04707	355.34396	18.16286	7.11799	0.1989407	0.28972680	2.2619184	21	5 20.7	20.4
200570 2001 PP_{19}	16.7	X	290.85041	27.97532	0.22204	7.10176	0.1158841	0.29571005	2.2313036	21	8 13.2	19.1
200571 2001 PP_{22}	16.9	X	6.14244	190.11355	149.78366	7.84033	0.1873204	0.29979011	2.2110124	21	11 4.9	18.8
200572 2001 PK_{25}	17.4	X	62.69937	212.23808	77.40359	6.44697	0.1916178	0.30215532	2.1994591	21	11 15.9	20.2
200573 2001 PB_{33}	17.1	X	273.26144	325.47733	42.86191	9.11696	0.1330508	0.29007020	2.2601329	21	6 9.4	20.0
200574 2001 PV_{34}	17.1	X	345.81433	53.20289	259.70820	7.81072	0.2212168	0.29336730	2.2431669	21	7 17.8	18.2
200575 2001 QB_{6}	16.8	X	350.95180	7.57866	324.67668	5.68856	0.1929165	0.29673377	2.2261687	21	9 10.4	18.1
200576 2001 QY_{17}	16.4	X	335.73716	274.44676	88.92799	2.29971	0.1954084	0.29678505	2.2259122	21	9 29.9	17.6
200577 2001 QT_{61}	16.9	X	41.84094	133.64729	155.95403	6.73427	0.2014235	0.29945478	2.2126627	21	10 22.8	19.4
200578 Yungchuen	17.8	X	287.58903	196.02947	163.16720	6.39508	0.2364192	0.28873658	2.2670870	21	6 1.7	20.7
200579 2001 QF_{105}	17.1	X	13.60696	41.32965	275.02291	3.60545	0.1405220	0.29905921	2.2146134	21	9 29.1	19.1
200580 2001 QJ_{107}	16.3	X	237.51997	164.46992	225.18510	24.26964	0.2043105	0.28553550	2.2839993	21	5 21.9	19.9
200581 2001 QG_{140}	16.2	X	339.42377	82.81053	285.73184	6.51006	0.2392592	0.29505735	2.2345929	21	10 15.7	17.4
200582 2001 QT_{155}	17.8	X	229.96214	162.47803	196.79997	2.21230	0.2534057	0.28173389	2.3044997	21	4 3.9	21.8
200583 2001 QZ_{159}	16.7	X	292.82940	63.98121	339.10160	7.46009	0.1171674	0.29603946	2.2296480	21	9 5.8	18.7
200584 2001 QV_{163}	16.4	X	316.47171	147.22013	257.14968	3.63186	0.1368708	0.29508199	2.2344686	21	10 21.7	18.3
200585 2001 QE_{192}	14.8	X	132.11837	101.40871	289.15944	13.68708	0.1754683	0.17133444	3.2105020	21	2 21.1	19.9
200586 2001 QA_{208}	17.5	X	313.54744	251.44066	106.39625	3.32352	0.1784728	0.29367648	2.2415922	21	7 24.4	19.4
200587 2001 QU_{212}	17.4	X	324.43349	18.74606	331.31811	4.11311	0.1867497	0.29357062	2.2421310	21	8 4.3	18.7
200588 2001 QC_{293}	16.1	X	233.24387	95.16253	279.51320	22.01966	0.2473757	0.28042095	2.3116873	21	4 18.4	20.5
200589 2001 RQ_{12}	18.0	X	358.91806	98.14814	208.39429	5.46603	0.2545536	0.29563350	2.2316887	21	8 19.1	18.9
200590 2001 RU_{15}	17.3	X	292.96555	153.52992	184.04119	6.60861	0.1980202	0.28950229	2.2630877	21	5 15.1	20.1
200591 2001 RB_{20}	17.2	X	318.99252	186.82740	179.22207	5.85908	0.0971439	0.29539612	2.2328841	21	8 28.5	19.2
200592 2001 RR_{28}	17.2	X	191.59415	139.21576	286.06315	1.79406	0.1322390	0.28440612	2.2900419	21	5 26.8	20.4
200593 2001 RT_{57}	17.1	X	41.05277	187.70177	90.82178	2.56851	0.1755541	0.29668096	2.2264329	21	9 29.3	19.3
200594 2001 RG_{69}	16.3	X	10.44481	114.40508	225.61141	4.13031	0.2155348	0.29786563	2.2205256	21	11 14.9	18.0
200595 2001 RD_{70}	17.3	X	268.64208	168.11124	217.20018	6.10851	0.1410144	0.28781992	2.2718979	21	6 27.4	20.1
200596 2001 RX_{70}	16.0	X	93.27790	183.59930	243.35790	4.82006	0.1912269	0.26737301	2.3862961	21	2 8.5	18.5
200597 2001 RA_{77}	16.3	X	287.56079	308.77691	89.24670	4.69876	0.2731843	0.28949103	2.2631463	21	7 22.4	18.8
200598 2001 RX_{90}	16.6	X	30.92412	290.27001	8.21493	6.13287	0.1059981	0.29616860	2.2289999	21	9 29.1	18.8
200599 2001 RB_{95}	16.5	X	283.20739	90.67987	335.71728	8.07472	0.0802027	0.29547570	2.2324832	21	9 28.3	18.9
200600 2001 RX_{98}	17.0	X	13.57763	222.87108	154.50483	1.23533	0.1091312	0.30470549	2.1871700	21	12 28.7	19.3
200601 2001 RT_{109}	17.5	X	306.22686	279.03452	136.94497	1.37806	0.2101621	0.29740029	2.2228413	21	10 13.2	18.6
200602 2001 RY_{109}	14.9	X	172.81930	167.24741	155.21852	7.04953	0.0101819	0.16992240	3.2282634	21	1 5.3	19.6
200603 2001 RO_{129}	17.2	X	300.05220	246.59359	153.50995	6.64241	0.1297641	0.29505004	2.2346298	21	9 14.1	19.0
200604 2001 RH_{135}	16.8	X	350.78008	310.72890	68.97399	4.33318	0.1320879	0.29971587	2.2113775	21	11 25.7	18.5
200605 2001 RQ_{139}	16.9	X	272.34036	356.57810	55.67899	2.94917	0.0942487	0.29305194	2.2447759	21	8 22.4	19.4
200606 2001 RJ_{142}	16.5	X	209.70245	269.15733	150.69236	22.08305	0.2456332	0.28219791	2.3019728	21	6 7.7	20.9
200607 2001 RG_{145}	16.9	X	29.33011	257.23600	41.35029	7.11481	0.3436397	0.29852571	2.2172512	21	11 7.7	19.2
200608 2001 RW_{148}	17.0	X	357.30754	241.58330	84.80698	8.17214	0.1856518	0.29712348	2.2242217	21	9 24.5	18.7
200609 2001 RS_{151}	17.1	X	287.73503	266.63171	91.95004	7.85784	0.1363092	0.28864431	2.2675700	21	6 16.7	19.5
200610 2001 RB_{156}	16.4	X	288.39751	214.98609	149.58040	10.96382	0.2478639	0.28769022	2.2725807	21	6 9.3	19.4
200611 2001 SS_{3}	15.4	X	172.54583	258.66602	136.11620	6.17063	0.1578625	0.17902755	3.1178566	21	4 9.9	20.5
200612 2001 SH_{16}	17.3	X	198.81542	67.94484	2.04762	8.89854	0.1517357	0.28414842	2.2914263	21	6 8.2	20.9
200613 2001 SE_{25}	15.5	X	112.70710	306.68341	121.17964	0.62400	0.1643850	0.17176727	3.2051064	21	3 21.5	20.1
200614 2001 SV_{28}	16.8	X	291.85375	28.54454	17.07860	5.16367	0.1362571	0.29351311	2.2424239	21	9 7.1	18.8
200615 2001 SA_{31}	17.4	X	253.28864	169.41401	156.06288	3.99256	0.1694826	0.28004708	2.3137442	21	3 18.2	20.7
200616 2001 SX_{45}	17.3	X	255.20991	294.90611	85.19730	3.36243	0.1869633	0.28585539	2.2822951	21	5 29.0	20.4
200617 2001 ST_{50}	16.4	X	306.17236	222.84824	80.37524	5.48434	0.1581594	0.28414173	2.2914622	21	4 22.2	19.1
200618 2001 SG_{67}	17.4	X	314.05910	236.39161	132.17219	1.72618	0.2109561	0.29129409	2.2537977	21	8 6.9	18.8
200619 2001 ST_{73}	17.2	X	215.73263	144.79367	200.62015	2.13999	0.1941230	0.27673628	2.3321617	21	3 7.4	20.8
200620 2001 SO_{79}	15.2	X	252.53983	299.92630	309.58659	8.78472	0.1976299	0.17560887	3.1581912	21	—	—
200621 2001 SA_{92}	17.2	X	200.55297	191.21370	202.05029	4.54796	0.0248213	0.28188079	2.3036990	21	4 24.1	20.1
200622 2001 SF_{101}	17.3	X	215.46173	285.93564	188.35150	3.92779	0.0679257	0.29343977	2.2427975	21	9 3.5	20.0
200623 2001 SO_{101}	17.5	X	7.57322	295.43313	356.65639	3.38775	0.1392304	0.29242346	2.2479911	21	8 9.2	19.2
200624 2001 SJ_{102}	17.7	X	318.92457	118.32100	208.57849	3.40348	0.1028514	0.28941831	2.2635254	21	6 25.7	19.8
200625 2001 SH_{113}	17.5	X	318.17299	16.05083	329.42971	3.19978	0.1833012	0.29125119	2.2540190	21	7 12.7	19.4
200626 2001 SC_{117}	15.0	X	81.56028	106.90039	307.68491	9.97388	0.0955146	0.16853678	3.2459333	21	1 17.9	19.2
200627 2001 SA_{121}	17.2	X	339.85661	68.72062	255.37605	3.76996	0.1633847	0.29273632	2.2463891	21	7 27.4	18.7
200628 2001 SL_{139}	17.1	X	146.85524	94.34330	343.27718	2.29582	0.2015122	0.27653929	2.3332691	21	5 1.8	20.7
200629 2001 SK_{160}	16.7	X	312.22353	159.27197	213.83050	4.75635	0.1269377	0.29195190	2.2504110	21	8 21.6	18.9
200630 2001 SM_{164}	16.4	X	326.48083	329.98032	7.89308	5.69030	0.2004933	0.29001680	2.2604103	21	7 17.1	18.0
200631 2001 SB_{167}	16.7	X	270.17303	348.95129	113.59273	3.66597	0.0905064	0.29880206	2.2158838	21	11 3.9	18.9
200632 2001 SD_{179}	16.4	X	193.97800	332.39370	81.82400	8.39177	0.1000024	0.27829013	2.3234724	21	5 16.5	19.7
200633 2001 SA_{181}	17.9	X	323.68184	166.91564	183.06881	1.99273	0.1992209	0.29442474	2.2377927	21	7 29.8	19.3
200634 2001 SJ_{195}	16.9	X	283.35711	85.19949	11.75994	5.31114	0.0192483	0.30194729	2.2004692	21	11 23.1	19.3
200635 2001 ST_{208}	17.3	X	89.52013	111.54557	150.48289	3.75224	0.1079158	0.29937914	2.2130354	21	10 30.9	20.2
200636 2001 SD_{210}	17.5	X	248.97700	317.44989	60.27598	3.41428	0.1702322	0.28530544	2.2852270	21	5 20.5	20.7
200637 2001 SL_{215}	16.7	X	358.79705	331.32283	44.93982	6.14533	0.1522093	0.29991960	2.2103760	21	12 7.6	18.7
200638 2001 SF_{228}	17.6	X	342.64755	124.97020	182.43711	3.89436	0.2545665	0.29116808	2.2544479	21	6 24.0	18.8
200639 2001 SU_{238}	17.6	X	341.63458	298.54398	72.00609	2.61144	0.0500966	0.29678935	2.2258907	21	10 19.4	19.8
200640 2001 SH_{244}	17.6	X	251.18815	14.50811	43.22870	3.15101	0.1933486	0.28844111	2.2686349	21	7 15.3	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200641 2001 SJ_{246}	17.0	X	279.11727	9.96039	27.57895	5.50253	0.1774208	0.28984587	2.2612989	21	7 27.2	19.6
200642 2001 SN_{261}	16.6	X	268.74318	146.51271	259.10740	5.96552	0.2326848	0.28782125	2.2718910	21	7 12.5	19.6
200643 2001 SH_{283}	16.0	X	277.16193	88.11267	5.00709	23.51435	0.2066462	0.29240156	2.2481033	21	10 5.9	18.2
200644 2001 SS_{302}	17.2	X	300.66431	249.34432	195.02345	2.08701	0.1615656	0.30080498	2.2060365	21	11 23.8	18.5
200645 2001 SA_{313}	17.2	X	71.46249	234.66523	62.33298	5.50381	0.1681901	0.30228770	2.1988169	21	12 1.3	20.3
200646 2001 SX_{317}	17.8	X	247.46759	72.97195	15.96426	3.12714	0.1448655	0.29185191	2.2509250	21	8 31.5	20.6
200647 2001 SF_{327}	17.4	X	20.23410	345.58125	304.70788	2.44536	0.1672736	0.29400788	2.2399074	21	9 4.7	19.1
200648 2001 TU_{1}	17.4	X	325.58758	315.90438	16.36103	3.65687	0.2869466	0.29250772	2.2475593	21	6 15.1	18.8
200649 2001 TP_{2}	17.6	X	3.15715	135.43698	186.35650	1.34280	0.2248541	0.29555744	2.2320716	21	9 30.2	18.9
200650 2001 TQ_{2}	17.1	X	333.98064	119.06122	331.14769	3.00952	0.1130450	0.30516088	2.1849935	21	—	—
200651 2001 TC_{5}	17.8	X	288.60937	13.51585	9.50381	2.44177	0.0535567	0.29082923	2.2561987	21	8 9.8	20.2
200652 2001 TY_{11}	17.0	X	257.92758	89.49212	210.02589	6.63482	0.1249385	0.27587261	2.3370267	21	2 18.3	20.5
200653 2001 TM_{14}	16.7	X	310.52647	136.90552	244.26318	5.87771	0.1186510	0.29257639	2.2472076	21	8 31.2	19.0
200654 2001 TN_{17}	16.7	X	274.19928	257.86709	86.85877	6.46908	0.2324647	0.28423908	2.2909390	21	4 28.8	20.0
200655 2001 TT_{21}	16.6	X	314.27247	270.52177	102.75782	7.95314	0.1164106	0.29251464	2.2475239	21	9 2.8	18.7
200656 2001 TA_{27}	16.9	X	96.53424	127.68071	300.90098	4.25054	0.1817145	0.26745367	2.3858164	21	2 15.7	19.3
200657 2001 TF_{27}	16.7	X	205.53143	95.73756	7.27113	7.16830	0.0963516	0.28721820	2.2750699	21	8 6.8	19.8
200658 2001 TP_{36}	15.7	X	172.96952	260.95795	244.96103	21.51790	0.2060192	0.28317839	2.2966561	21	8 13.5	20.1
200659 2001 TU_{39}	16.7	X	253.53880	60.83511	316.65516	4.41765	0.2341650	0.28257054	2.2999486	21	5 17.5	20.2
200660 2001 TK_{45}	16.8	X	3.32658	122.98840	236.50330	3.73896	0.1640196	0.29689442	2.2253656	21	11 22.2	18.4
200661 2001 TD_{49}	16.4	X	284.43057	341.41129	69.89929	4.70313	0.1673668	0.28936036	2.2638276	21	8 28.5	18.7
200662 2001 TL_{51}	17.3	X	237.91848	124.97727	193.81561	4.73949	0.2420165	0.27743831	2.3282258	21	2 19.2	21.3
200663 2001 TP_{63}	17.1	X	329.88958	326.56184	81.64884	3.98190	0.1301442	0.29735417	2.2230711	21	11 28.2	18.8
200664 2001 TZ_{85}	17.3	X	322.34176	65.09544	254.50201	3.08620	0.1325761	0.28835474	2.2690879	21	6 15.9	19.1
200665 2001 TQ_{90}	17.1	X	247.08780	88.22730	338.76215	5.90370	0.1165910	0.28900663	2.2656745	21	8 3.6	20.1
200666 2001 TX_{99}	17.2	X	61.41413	335.62774	351.49071	2.73150	0.0836560	0.30156586	2.2023243	21	12 19.5	20.0
200667 2001 TF_{100}	16.5	X	7.43659	20.92481	256.16889	2.98254	0.1793476	0.28822627	2.2697621	21	7 13.8	18.0
200668 2001 TG_{101}	16.3	X	202.84345	75.08412	0.54989	5.48155	0.1389128	0.28040976	2.3117488	21	6 21.8	19.8
200669 2001 TL_{114}	16.5	X	332.76103	346.60099	12.52741	6.50848	0.1916025	0.29236049	2.2483138	21	9 13.1	17.7
200670 2001 TN_{124}	16.6	X	340.02398	31.43409	280.69888	6.85687	0.1829927	0.29047063	2.2580553	21	7 5.2	17.7
200671 2001 TE_{127}	16.9	X	30.05228	77.59872	201.48974	6.09560	0.1196836	0.28862971	2.2676465	21	8 27.1	19.1
200672 2001 TG_{128}	17.5	X	291.38269	251.90039	101.06541	5.27972	0.1699616	0.28790612	2.2714445	21	6 8.3	20.0
200673 2001 TH_{128}	17.3	X	20.62175	269.76032	83.93378	5.28394	0.1896715	0.30042916	2.2078759	21	12 17.9	19.6
200674 2001 TJ_{145}	17.2	X	208.52358	27.15759	49.72452	8.09429	0.0607425	0.28592005	2.2819510	21	7 4.6	20.3
200675 2001 TA_{154}	17.5	X	297.14708	244.46851	115.26397	5.85515	0.1822421	0.29034587	2.2587020	21	6 25.1	19.7
200676 2001 TZ_{161}	16.8	X	119.12939	190.55503	301.52957	1.63613	0.0596642	0.28189070	2.3036450	21	5 27.9	19.5
200677 2001 TV_{172}	17.4	X	37.47618	306.01980	70.61423	1.02832	0.0736227	0.30463450	2.1875097	21	—	—
200678 2001 TB_{179}	14.9	X	36.49696	31.95661	232.62925	12.62062	0.1066110	0.18940563	3.0028995	21	8 4.5	18.9
200679 2001 TX_{181}	16.4	X	338.35263	306.45825	2.97489	6.60381	0.1301084	0.28774397	2.2722977	21	7 3.3	18.5
200680 2001 TB_{186}	16.9	X	165.65923	166.27630	334.15642	3.36508	0.1074443	0.28632773	2.2797844	21	8 10.3	20.1
200681 2001 TB_{189}	16.7	X	318.93612	2.64329	336.96573	3.16771	0.1717283	0.28826616	2.2695527	21	7 6.2	18.5
200682 2001 TD_{190}	16.9	X	98.13445	70.96264	12.28435	5.88944	0.1706194	0.26806176	2.3822069	21	3 11.4	19.5
200683 2001 TP_{201}	17.0	X	231.73563	346.22955	90.26998	6.98532	0.1462983	0.28804667	2.2707055	21	7 24.8	20.3
200684 2001 TN_{215}	14.9	X	208.52300	74.65102	312.32314	8.61156	0.0973815	0.17839457	3.1252275	21	4 27.9	19.9
200685 2001 TG_{219}	14.9	X	336.22372	287.20251	105.83870	6.88748	0.1123363	0.14762093	3.5457172	21	10 19.0	19.4
200686 2001 TO_{227}	16.4	X	75.49697	175.17352	271.43068	3.53607	0.0579333	0.26966933	2.3727301	21	1 20.9	19.0
200687 2001 TS_{230}	17.3	X	61.57962	89.78708	194.69819	4.44807	0.1598812	0.29774777	2.2211116	21	11 2.4	19.9
200688 2001 UK_{1}	17.3	X	222.73446	291.15658	30.22052	1.13265	0.1761002	0.27387116	2.3483988	21	2 13.3	21.1
200689 2001 UY_{1}	17.0	X	49.53952	29.40648	265.51844	6.35904	0.2884436	0.29899702	2.2149205	21	11 18.5	20.0
200690 2001 UG_{22}	16.6	X	313.96392	62.13286	279.12031	5.83642	0.1388554	0.28955868	2.2627939	21	7 3.9	18.8
200691 2001 UQ_{25}	16.6	X	270.14654	39.46735	332.80200	6.43477	0.1237040	0.28538190	2.2848188	21	6 13.3	19.6
200692 2001 UQ_{31}	17.0	X	210.49679	233.68490	70.74110	3.10123	0.2014247	0.27101752	2.3648547	21	1 14.0	20.9
200693 2001 UU_{38}	17.3	X	14.85685	89.25197	193.98375	5.32015	0.1720036	0.29067411	2.2570013	21	8 10.6	19.1
200694 2001 UB_{58}	16.8	X	133.20003	348.56820	217.43468	4.86450	0.0370494	0.29347650	2.2426104	21	9 27.8	19.6
200695 2001 UD_{58}	17.0	X	230.84187	307.72081	223.40392	5.18333	0.0585476	0.30189681	2.2007145	21	12 17.2	19.5
200696 2001 UW_{59}	17.6	X	314.81270	156.80766	215.51852	0.98784	0.2262776	0.29223638	2.2489503	21	8 12.3	19.2
200697 2001 UQ_{69}	17.2	X	319.70411	72.02635	213.23348	2.28405	0.1712701	0.28344754	2.2952021	21	4 11.8	19.6
200698 2001 UW_{70}	17.7	X	120.14423	299.63874	219.40474	2.28681	0.1256636	0.28168953	2.3047417	21	7 15.3	20.7
200699 2001 UR_{74}	16.7	X	295.75244	346.71784	77.63685	5.86998	0.1641322	0.29388690	2.2405221	21	10 11.9	18.6
200700 2001 UC_{79}	17.1	X	109.28356	256.82283	182.99400	1.50813	0.2012772	0.26977917	2.3720860	21	3 25.5	20.1
200701 2001 UN_{79}	17.1	X	216.92106	78.89334	36.63301	23.07144	0.3309167	0.28620100	2.2804574	21	8 28.6	21.6
200702 2001 UT_{79}	17.5	X	225.88070	347.19763	48.17358	2.92118	0.2056094	0.28172069	2.3045717	21	5 18.4	21.0
200703 2001 UN_{94}	16.5	X	125.23448	253.79249	125.52063	6.92472	0.1351248	0.26521393	2.3992297	21	1 14.7	19.5
200704 2001 UH_{116}	16.9	X	142.39741	142.62270	215.59503	4.18115	0.1955471	0.26577192	2.3958704	21	1 15.9	20.3
200705 2001 UL_{131}	17.0	X	221.36784	318.01300	48.82892	8.03957	0.1308884	0.27764448	2.3270730	21	4 12.8	20.5
200706 2001 UN_{137}	18.0	X	261.61550	300.46092	61.31612	3.24771	0.2097323	0.28452816	2.2893870	21	5 8.7	21.2
200707 2001 UC_{138}	17.6	X	242.60896	269.48477	180.25615	4.05337	0.1410010	0.29011969	2.2598758	21	8 24.6	20.4
200708 2001 UU_{141}	17.5	X	194.63443	38.13874	46.10298	6.31502	0.1753259	0.28223753	2.3017574	21	6 23.9	21.2
200709 2001 UO_{149}	17.1	X	248.01481	331.08329	74.52179	4.92614	0.1602154	0.28482150	2.2878148	21	6 28.1	20.1
200710 2001 UN_{153}	16.3	X	285.28603	310.57711	60.20863	7.80525	0.1514093	0.28578631	2.2826628	21	6 28.7	18.9
200711 2001 UX_{160}	16.6	X	291.52081	278.04589	79.12161	4.43134	0.1798521	0.28549682	2.2842056	21	6 12.7	19.2
200712 2001 UG_{162}	16.8	X	227.08557	242.82891	216.52560	6.52321	0.1327880	0.28626473	2.2801188	21	8 17.9	20.0
200713 2001 UC_{163}	16.4	X	65.75187	79.57998	57.50226	3.41327	0.1174012	0.26964222	2.3728892	21	3 27.4	18.7
200714 2001 UP_{165}	16.6	X	1.32854	211.68156	109.42552	5.96977	0.2153174	0.29467785	2.2365111	21	9 26.7	18.0
200715 2001 UO_{174}	17.2	X	271.65286	286.45159	64.18730	5.31783	0.1386566	0.28248448	2.3004157	21	5 14.1	20.3
200716 2001 UZ_{194}	16.9	X	118.07267	184.48978	26.69221	6.49294	0.1125733	0.29232596	2.2484908	21	9 24.8	19.9
200717 2001 UT_{206}	17.0	X	264.76164	293.76012	100.27480	6.39494	0.1065253	0.28792169	2.2713625	21	7 10.9	19.7
200718 2001 UL_{219}	17.3	X	212.10412	340.53543	94.15581	6.22395	0.1818534	0.28369759	2.2938532	21	6 27.8	20.7
200719 2001 UD_{221}	17.0	X	128.12237	167.82679	251.36581	2.34155	0.1358343	0.26936373	2.3745244	21	3 10.6	20.1
200720 2001 UP_{221}	17.2	X	197.46358	97.96729	55.31874	3.87546	0.1437806	0.29126901	2.2539271	21	10 1.1	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200721 2001 VB_5	15.4	X	293.78445	72.22425	259.94396	23.11985	0.2479460	0.28429490	2.2906391	21	4 25.1	19.0
200722 2001 VM_8	17.0	X	284.80269	338.91075	59.30674	2.52847	0.1953215	0.28875891	2.2669701	21	8 1.8	19.5
200723 2001 VO_9	17.7	X	191.66304	33.18123	60.25159	3.55195	0.1703401	0.28120227	2.3074033	21	7 3.8	21.4
200724 2001 VZ_{27}	17.1	X	174.16188	142.73764	284.20915	2.31612	0.1564126	0.27603088	2.3361332	21	5 11.8	20.7
200725 2001 VV_{36}	16.6	X	163.24495	34.16638	64.01218	6.88143	0.1506468	0.27687671	2.3313730	21	6 11.5	20.1
200726 2001 VD_{41}	17.0	X	294.78167	196.54279	277.58876	2.06255	0.1619275	0.29697632	2.2249564	21	12 27.8	18.5
200727 2001 VW_{45}	16.6	X	242.31890	1.97709	53.25179	4.80960	0.2435057	0.28339018	2.2955117	21	6 26.3	20.1
200728 2001 VF_{48}	16.5	X	156.16750	166.47688	249.66000	9.35494	0.1804716	0.27146517	2.3622543	21	4 9.3	20.2
200729 2001 VR_{50}	17.2	X	355.87694	100.08744	290.33302	5.83144	0.1194662	0.29880109	2.2158887	21	12 19.2	19.3
200730 2001 VV_{53}	16.9	X	22.51252	99.16284	321.01738	2.51821	0.1185780	0.30580536	2.1819225	21	—	—
200731 2001 VW_{53}	16.9	X	213.23703	173.02422	275.33256	3.60693	0.0859132	0.28561036	2.2836002	21	7 23.9	20.0
200732 2001 VE_{54}	16.9	X	245.89772	24.66022	334.05845	4.48697	0.1464927	0.28031821	2.3122521	21	4 22.1	20.4
200733 2001 VA_{57}	16.7	X	301.98962	41.45957	296.70351	6.11020	0.1310755	0.28575375	2.2828362	21	6 8.9	19.2
200734 2001 VU_{59}	16.8	X	309.44728	14.27698	4.69314	5.69535	0.1560439	0.29078429	2.2564312	21	8 25.9	18.6
200735 2001 VV_{64}	16.6	X	323.01405	126.19036	282.02180	4.94088	0.1544961	0.29518168	2.2339655	21	11 11.3	18.4
200736 2001 VE_{67}	16.4	X	276.44661	332.77407	37.41172	6.57003	0.1507539	0.28417503	2.2912832	21	6 14.4	19.4
200737 2001 VH_{67}	17.0	X	265.33126	37.47552	332.52514	1.74367	0.2238916	0.28343346	2.2952780	21	5 21.4	20.3
200738 2001 VX_{70}	16.9	X	157.92013	92.11202	0.89634	4.35411	0.0812437	0.27705712	2.3303608	21	5 24.6	20.2
200739 2001 VD_{86}	17.4	X	270.14766	84.46746	266.19628	4.11185	0.1391490	0.28201151	2.3029870	21	5 10.9	20.4
200740 2001 VG_{95}	16.3	X	238.68758	193.13001	171.08214	11.26341	0.3185936	0.27959467	2.3162395	21	4 16.4	20.5
200741 2001 VD_{103}	17.2	X	278.76870	0.83855	337.64702	2.62227	0.1823440	0.28210159	2.3024967	21	4 28.3	20.2
200742 2001 VS_{105}	16.8	X	289.72965	322.33985	40.78380	7.65276	0.1351278	0.28532467	2.2851243	21	6 26.9	19.4
200743 2001 VP_{110}	16.9	X	225.69583	244.05965	276.70975	3.32338	0.0916480	0.29516896	2.2340296	21	11 18.3	19.6
200744 2001 VA_{112}	17.1	X	303.90053	105.83004	260.70465	2.29422	0.1289255	0.28728769	2.2747030	21	7 26.9	19.2
200745 2001 VA_{115}	16.7	X	288.26408	73.22762	282.07402	2.87824	0.1782543	0.28421489	2.2910690	21	6 5.2	19.2
200746 2001 VA_{118}	16.4	X	249.40879	111.63430	263.12844	5.22956	0.1907073	0.28035422	2.3120541	21	5 14.5	20.0
200747 2001 VB_{119}	17.5	X	165.46016	79.08515	302.44039	0.40543	0.2007898	0.27054489	2.3676082	21	3 9.8	21.1
200748 2001 VB_{126}	16.9	X	267.17443	233.77754	74.55075	3.51604	0.2228614	0.27690491	2.3312147	21	3 6.9	20.6
200749 2001 VF_{126}	17.2	X	157.28693	47.83352	81.20847	3.52125	0.0543274	0.28230578	2.3013864	21	7 13.4	20.2
200750 Rix	17.0	X	185.92310	341.49702	155.84113	8.13140	0.1282485	0.28835982	2.2690612	21	8 27.2	20.2
200751 2001 WE_6	17.3	X	279.90326	192.53055	179.96917	3.02571	0.0485677	0.28576734	2.2827638	21	7 10.4	19.9
200752 2001 WG_6	16.3	X	91.16265	143.33918	65.34435	6.81533	0.1527355	0.28514713	2.2860727	21	8 26.5	19.4
200753 2001 WW_6	16.6	X	169.97726	58.93072	67.24093	7.27941	0.2200324	0.28042340	2.3116738	21	7 28.4	20.5
200754 2001 WA_{25}	18.5	X	172.98062	83.73202	279.78266	15.51148	0.5169696	0.42348368	1.7562174	21	2 20.8	21.9
200755 2001 WX_{25}	16.7	X	110.51918	111.20179	65.76571	7.02894	0.0652718	0.28372823	2.2936880	21	7 23.0	19.7
200756 2001 WR_{32}	17.1	X	123.03620	13.56205	132.14016	3.11230	0.1782250	0.27778030	2.3263145	21	7 6.1	20.3
200757 2001 WO_{39}	16.2	X	275.22512	155.68167	215.68812	6.14560	0.1303091	0.28268852	2.2993086	21	6 18.4	19.0
200758 2001 WE_{43}	17.1	X	290.76142	338.73589	70.90613	5.89753	0.1042350	0.29252308	2.2474806	21	9 18.5	19.4
200759 2001 WM_{47}	15.5	X	285.72769	142.30917	281.92573	24.06134	0.2440575	0.28907134	2.2653363	21	8 18.7	18.5
200760 2001 WE_{72}	17.7	X	194.61266	252.42805	225.33654	3.60802	0.1944533	0.28433519	2.2904227	21	8 5.5	21.3
200761 2001 WL_{92}	17.8	X	230.44457	207.14767	132.44938	0.74056	0.2388007	0.27696956	2.3308519	21	3 12.3	21.7
200762 2001 XX	16.5	X	176.26831	309.55631	167.95904	22.58452	0.2688206	0.28010036	2.3134508	21	7 19.2	21.0
200763 2001 XY_2	15.1	X	207.73091	163.93680	260.43185	23.25543	0.2534736	0.28052932	2.3110919	21	6 7.8	18.9
200764 2001 XP_3	15.6	X	255.53441	14.34103	54.17359	25.14749	0.1890520	0.28289831	2.2981717	21	8 16.4	19.3
200765 2001 XW_3	16.0	X	283.03064	274.69708	65.30638	22.22323	0.2818976	0.28038581	2.3118804	21	5 1.0	19.6
200766 2001 XY_4	16.1	X	4.53649	355.01581	237.98000	13.31727	0.2080389	0.27293993	2.3537374	21	4 12.9	18.1
200767 2001 XM_9	16.8	X	184.82230	1.64734	45.15545	6.08212	0.1866022	0.27494293	2.3422919	21	4 27.7	20.4
200768 2001 XM_{15}	16.4	X	246.48269	336.95575	55.35241	6.97797	0.1023217	0.28068153	2.3102563	21	6 14.1	19.6
200769 2001 XY_{15}	16.2	X	353.55851	258.04546	98.31156	3.32625	0.1934319	0.29259225	2.2471264	21	11 1.8	17.8
200770 2001 XY_{18}	16.2	X	198.65798	43.98010	41.25733	6.89773	0.0715374	0.27919922	2.3184261	21	7 3.4	19.5
200771 2001 XK_{19}	16.0	X	251.33879	51.08527	48.68820	6.46689	0.0975030	0.28805428	2.2706655	21	9 30.5	18.7
200772 2001 XJ_{23}	16.3	X	195.75256	71.52330	316.36949	5.90475	0.1158054	0.27232757	2.3572644	21	4 9.2	19.9
200773 2001 XL_{32}	17.3	X	151.40958	287.44393	242.73262	1.27036	0.1065547	0.28570446	2.2830988	21	9 2.9	20.7
200774 2001 XT_{36}	16.4	X	261.84204	43.47237	9.75667	6.77707	0.1130600	0.28599588	2.2815476	21	8 5.7	19.2
200775 2001 XE_{37}	16.1	X	292.34151	338.80321	358.40625	6.94069	0.1589997	0.28143238	2.3061453	21	5 16.8	18.9
200776 2001 XE_{42}	16.7	X	118.93307	76.57095	54.69524	12.78224	0.0750497	0.27327265	2.3518264	21	5 28.4	19.6
200777 2001 XX_{44}	16.5	X	224.64950	338.14156	39.97031	7.18233	0.1213186	0.27413721	2.3468791	21	4 29.5	19.8
200778 2001 XG_{49}	16.6	X	338.49935	198.33117	66.15128	4.91665	0.0745208	0.27718365	2.3296516	21	4 30.1	19.0
200779 2001 XZ_{49}	16.5	X	305.53035	146.65543	266.51088	5.76549	0.1617188	0.29306522	2.2447080	21	10 7.4	18.4
200780 2001 XL_{50}	17.3	X	203.23027	0.73654	81.66879	3.24189	0.1677117	0.28157603	2.3053609	21	6 30.2	20.8
200781 2001 XS_{54}	16.7	X	262.23771	352.02806	80.62633	7.06872	0.1971220	0.28797708	2.2710713	21	8 21.5	19.6
200782 2001 XA_{55}	17.1	X	157.84050	220.82506	242.56549	1.98794	0.1179317	0.27692092	2.3311249	21	6 11.5	20.4
200783 2001 XK_{60}	16.7	X	142.01612	341.55176	143.83711	2.72428	0.1566890	0.27562055	2.3384512	21	6 26.8	20.1
200784 2001 XF_{65}	16.7	X	171.73743	354.34213	104.89665	3.23557	0.1685508	0.27658853	2.3329921	21	6 22.2	20.4
200785 2001 XU_{65}	15.8	X	318.81806	90.41599	261.16063	4.94445	0.1930425	0.28466117	2.2886738	21	7 20.9	17.7
200786 2001 XZ_{75}	17.6	X	268.43704	272.85934	172.76497	2.23767	0.1367670	0.29173345	2.2515343	21	9 26.5	19.9
200787 2001 XG_{82}	17.5	X	202.61605	241.20121	200.94722	2.95631	0.1373830	0.28093809	2.3088495	21	6 30.2	20.9
200788 2001 XZ_{82}	16.5	X	219.19731	301.77907	125.39546	5.85552	0.1616203	0.28171325	2.3046122	21	6 26.1	19.9
200789 2001 XV_{85}	16.1	X	253.76040	262.65441	116.78506	6.94175	0.2413446	0.28010494	2.3134256	21	5 22.9	19.7
200790 2001 XD_{88}	16.8	X	198.91730	107.75559	335.54731	1.56742	0.1658435	0.27761300	2.3272490	21	6 27.3	20.3
200791 2001 XS_{91}	17.5	X	257.10108	315.05526	60.37815	3.01729	0.1848573	0.28280284	2.2986889	21	5 24.8	20.9
200792 2001 XH_{92}	17.4	X	251.39856	298.03230	66.89641	7.53698	0.2098979	0.28109614	2.3079840	21	5 3.9	21.0
200793 2001 XK_{97}	16.6	X	289.64110	163.23682	286.32720	5.66627	0.1141458	0.29360133	2.2419747	21	11 9.9	18.8
200794 2001 XC_{100}	17.1	X	334.07260	324.72057	92.78633	3.39122	0.1658620	0.29486100	2.2355849	21	12 23.9	18.5
200795 2001 XH_{102}	17.3	X	230.37639	301.75194	48.76075	5.55526	0.2233574	0.27625617	2.3348629	21	3 28.2	21.1
200796 2001 XG_{104}	16.5	X	115.90700	121.76667	68.48914	22.77498	0.1110821	0.28267390	2.2993879	21	9 3.6	20.4
200797 2001 XW_{110}	17.2	X	210.35636	283.81544	145.93165	3.39244	0.1409004	0.28160193	2.3052196	21	6 21.6	20.6
200798 2001 XD_{116}	16.2	X	337.14475	47.03384	4.88032	4.33537	0.1624823	0.29402332	2.2398290	21	12 20.8	18.0
200799 2001 XU_{117}	16.1	X	248.06139	290.49418	68.01567	6.44103	0.1490188	0.27348833	2.3505898	21	4 28.2	19.5
200800 2001 XY_{120}	17.4	X	184.38605	267.95171	205.88952	2.30917	0.1086474	0.28356285	2.2945798	21	7 24.3	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200801 2001 XD_{133}	17.0	X	112.39309	358.12348	145.86595	2.62308	0.1623056	0.27505312	2.3416662	21	6 20.1	20.2
200802 2001 XU_{135}	17.6	X	153.59290	290.64604	195.85352	3.01535	0.1678840	0.27838713	2.3229326	21	7 10.3	21.2
200803 2001 XJ_{142}	16.9	X	296.78723	229.26154	94.61583	5.29320	0.2164193	0.28129383	2.3069025	21	4 29.1	19.7
200804 2001 XO_{143}	16.7	X	220.30856	171.68975	251.48068	5.87191	0.0827260	0.28080140	2.3095988	21	6 27.5	19.7
200805 2001 XZ_{150}	17.3	X	162.17058	3.85059	98.17872	4.04866	0.1344991	0.27671679	2.3322711	21	6 15.3	20.5
200806 2001 XU_{151}	17.0	X	213.51912	93.95455	339.59723	5.44492	0.2358086	0.28157670	2.3053573	21	6 25.2	20.8
200807 2001 XZ_{163}	16.4	X	58.97849	75.17339	104.76221	6.55614	0.1043248	0.27189871	2.3597425	21	5 17.5	18.9
200808 2001 XD_{166}	17.4	X	174.72899	305.48498	117.97080	2.88680	0.2291447	0.27485498	2.3427915	21	5 11.9	21.3
200809 2001 XL_{173}	17.1	X	176.85473	223.07303	236.91346	1.22924	0.1578800	0.27738943	2.3284993	21	6 27.9	20.6
200810 2001 XR_{173}	16.5	X	201.49075	301.19974	98.71389	7.67886	0.1015439	0.27386994	2.3484058	21	5 7.0	19.9
200811 2001 XO_{174}	16.3	X	179.07346	239.80376	260.67425	5.32795	0.0826272	0.28220792	2.3019184	21	8 22.6	19.6
200812 2001 XG_{178}	16.4	X	99.90307	347.01810	108.86202	6.27701	0.0624965	0.26567405	2.3964588	21	3 16.3	19.4
200813 2001 XE_{179}	17.1	X	279.40050	128.02624	276.75294	5.29292	0.1052043	0.28471358	2.2883929	21	8 15.8	19.6
200814 2001 XJ_{179}	17.0	X	282.49571	110.65347	275.34534	4.38538	0.1555450	0.28360507	2.2943520	21	7 16.1	19.4
200815 2001 XF_{181}	16.2	X	332.55115	156.09557	105.05592	7.42495	0.0890665	0.26999304	2.3708332	21	4 17.2	18.9
200816 2001 XQ_{181}	17.6	X	179.05115	303.79618	145.31166	2.90606	0.1947298	0.27631656	2.3345227	21	6 16.2	21.3
200817 2001 XO_{187}	16.9	X	17.17106	312.78692	235.07821	2.41430	0.1875256	0.26345198	2.4099151	21	3 5.8	18.9
200818 2001 XD_{188}	16.8	X	151.27804	182.66211	276.33096	5.59259	0.0723228	0.27299923	2.3533965	21	5 24.8	20.1
200819 2001 XF_{189}	16.9	X	122.80145	12.59184	127.48209	2.83011	0.1603798	0.27348727	2.3505959	21	6 26.4	20.1
200820 2001 XM_{189}	16.8	X	67.85680	42.60202	139.88564	4.03930	0.1701926	0.27010524	2.3701766	21	6 15.2	19.3
200821 2001 XM_{208}	16.8	X	270.79920	148.14022	227.26576	4.92078	0.1727819	0.28319535	2.2965644	21	6 11.8	19.8
200822 2001 XG_{210}	16.3	X	341.72825	296.03919	185.35624	5.36290	0.1570982	0.25329721	2.4739017	21	—	—
200823 2001 XS_{211}	17.0	X	117.15101	27.45138	50.27787	3.41445	0.1299462	0.26779183	2.3838074	21	3 23.9	20.0
200824 2001 XL_{216}	16.6	X	230.69414	82.03366	266.99814	6.25284	0.1485031	0.27363621	2.3497428	21	3 24.1	20.4
200825 2001 XN_{219}	16.9	X	201.38346	143.45246	280.34621	5.57094	0.0913283	0.27998416	2.3140909	21	6 5.3	20.0
200826 2001 XM_{220}	16.7	X	97.01496	218.51612	280.82735	6.33776	0.0577325	0.27471292	2.3435991	21	5 5.5	19.7
200827 2001 XU_{220}	16.6	X	0.71522	1.99700	263.17804	5.91684	0.1008905	0.28030935	2.3123008	21	6 7.3	18.5
200828 2001 XE_{223}	16.8	X	140.85899	228.00815	277.43504	4.08935	0.1497921	0.27977183	2.3152615	21	7 21.9	20.2
200829 2001 XB_{225}	16.5	X	148.64591	198.67444	282.66906	5.83413	0.0513289	0.27895475	2.3197804	21	6 20.7	19.5
200830 2001 XK_{232}	17.2	X	200.71511	107.21620	301.79117	2.36831	0.1517731	0.27732764	2.3288451	21	5 14.0	20.9
200831 2001 XL_{234}	16.6	X	183.68092	67.75323	52.05853	7.29155	0.0502064	0.28266605	2.2994305	21	8 5.9	19.7
200832 2001 XC_{238}	15.8	X	155.93652	205.93603	281.88233	5.90225	0.0714666	0.27854004	2.3220824	21	7 10.4	18.9
200833 2001 XY_{238}	16.0	X	314.01969	96.76524	292.13300	6.84511	0.1137386	0.28855985	2.2680125	21	9 18.8	18.3
200834 2001 XZ_{238}	16.2	X	276.50658	102.91158	269.59357	8.35681	0.1861540	0.28371158	2.2937778	21	6 12.9	19.2
200835 2001 XF_{239}	16.5	X	49.28461	152.11418	319.71698	2.26942	0.1613897	0.26155892	2.4215291	21	1 20.6	18.4
200836 2001 XW_{239}	16.3	X	191.29469	109.32285	283.25448	9.46653	0.1149745	0.27157716	2.3616048	21	4 8.9	20.0
200837 2001 XQ_{242}	16.3	X	270.82183	86.81505	265.21480	5.60396	0.1602987	0.27978128	2.3152094	21	5 10.7	19.4
200838 2001 XG_{245}	17.7	X	199.67244	41.36892	49.89544	8.37416	0.1250440	0.28285512	2.2984057	21	7 11.2	21.2
200839 2001 XO_{247}	16.7	X	234.32571	9.37915	70.16638	4.10379	0.1339089	0.28359893	2.2943851	21	8 2.8	19.9
200840 2001 XN_{254}	17.6	X	157.88966	278.41562	264.33705	1.93876	0.5591549	0.27821010	2.3239179	21	9 25.4	22.7
200841 2001 XD_{256}	16.0	X	307.81598	258.53122	65.56965	24.29316	0.2238843	0.28686028	2.2769619	21	5 15.3	18.7
200842 2001 XR_{264}	16.6	X	105.39700	112.43737	95.54592	5.34161	0.0882270	0.28458203	2.2890981	21	9 2.9	19.7
200843 2001 XD_{266}	17.4	X	160.35351	333.45159	121.37884	2.85841	0.1647869	0.27435973	2.3456100	21	6 5.5	20.9
200844 2001 YW_{9}	16.9	X	252.95980	76.89346	294.33310	5.93686	0.2566195	0.28135227	2.3065831	21	5 6.1	20.6
200845 2001 YW_{10}	17.2	X	158.79267	67.97237	50.34471	4.98610	0.1922592	0.27551738	2.3390350	21	7 6.3	20.9
200846 2001 YG_{14}	16.0	X	172.14790	145.50718	339.31843	5.17375	0.0733152	0.28226885	2.3015871	21	7 27.5	19.0
200847 2001 YW_{14}	17.1	X	239.25266	278.58233	86.92118	5.51791	0.1163872	0.27710897	2.3300701	21	4 30.7	20.4
200848 2001 YT_{16}	17.3	X	110.72005	198.67781	270.16417	3.57009	0.1386659	0.26988715	2.3714533	21	4 25.4	20.4
200849 2001 YH_{18}	16.9	X	155.55832	173.81720	276.47879	5.91040	0.1085194	0.27330703	2.3516292	21	5 20.6	20.2
200850 2001 YX_{20}	16.2	X	338.06630	5.94834	269.52995	6.50190	0.1073167	0.27885850	2.3203142	21	5 8.8	18.5
200851 2001 YK_{30}	16.7	X	62.32163	222.73569	288.54260	5.94194	0.0744712	0.27007404	2.3703591	21	3 31.5	19.4
200852 2001 YD_{35}	17.2	X	102.19062	127.90168	16.31946	1.35657	0.1409210	0.27347430	2.3506702	21	6 4.3	20.3
200853 2001 YP_{44}	16.6	X	213.50021	6.05063	60.62572	6.26028	0.1422853	0.28022026	2.3127909	21	6 20.4	20.0
200854 2001 YG_{54}	16.4	X	26.32511	101.76041	292.83897	4.46783	0.1299214	0.30024724	2.2087677	21	—	—
200855 2001 YB_{58}	17.2	X	233.58443	28.52533	347.95008	2.10226	0.2216616	0.27830384	2.3233961	21	4 29.6	20.9
200856 2001 YF_{62}	17.3	X	218.02103	333.46349	66.46119	2.90014	0.2210799	0.27812542	2.3243896	21	5 17.1	20.9
200857 2001 YD_{63}	16.3	X	278.38984	82.60338	296.91941	5.03630	0.1219226	0.28269581	2.2992691	21	7 6.7	18.8
200858 2001 YR_{63}	16.3	X	254.83476	126.62625	280.81128	6.27746	0.0981039	0.28243034	2.3007097	21	7 17.4	19.1
200859 2001 YG_{69}	17.3	X	89.99595	140.57423	340.79650	1.08467	0.1340455	0.26741406	2.3860519	21	4 14.3	20.1
200860 2001 YB_{70}	16.9	X	150.69380	80.26511	9.40412	2.27483	0.1822155	0.27278273	2.3546415	21	5 20.4	20.5
200861 2001 YW_{70}	16.7	X	269.82636	111.27600	299.96693	4.64929	0.1372534	0.28475509	2.2881705	21	8 6.8	19.3
200862 2001 YY_{70}	16.7	X	221.40438	289.08383	94.08245	7.44688	0.1197771	0.27444374	2.3451313	21	5 5.5	20.2
200863 2001 YT_{72}	16.6	X	186.88338	43.37542	94.14022	3.59406	0.0512803	0.28283529	2.2985131	21	9 2.9	19.7
200864 2001 YC_{75}	16.5	X	172.55332	136.05418	303.32134	6.21517	0.0821164	0.27484905	2.3428252	21	5 23.2	19.9
200865 2001 YH_{78}	16.4	X	68.53903	108.13496	82.17604	4.17783	0.1062675	0.27234401	2.3571696	21	6 16.5	18.8
200866 2001 YA_{80}	17.4	X	220.43270	169.13522	316.25864	1.19137	0.1588575	0.28533440	2.2850724	21	9 14.5	20.4
200867 2001 YA_{83}	16.2	X	192.78205	254.63400	84.76154	7.95779	0.0744709	0.26243431	2.4161412	21	2 7.6	19.6
200868 2001 YU_{84}	16.3	X	323.80739	247.80339	107.22151	6.40841	0.1866994	0.28467816	2.2885827	21	8 11.7	18.0
200869 2001 YV_{84}	16.1	X	185.21891	163.23027	284.42612	6.44655	0.1176689	0.27622609	2.3350324	21	6 19.9	19.5
200870 2001 YU_{86}	16.3	X	156.30650	59.16998	72.74012	3.46727	0.1068335	0.27685408	2.3315000	21	7 18.9	19.6
200871 2001 YW_{88}	16.8	X	177.19693	81.98213	93.26755	5.51292	0.0750407	0.28576220	2.2827912	21	10 13.3	19.9
200872 2001 YX_{89}	17.2	X	99.96836	93.23096	28.52466	1.77832	0.1414435	0.26795159	2.3828598	21	4 30.8	20.1
200873 2001 YS_{98}	16.8	X	5.40796	43.07664	152.58541	2.48834	0.1499452	0.26657264	2.3910703	21	2 25.3	18.7
200874 2001 YV_{104}	17.4	X	61.79953	290.64825	229.62052	2.04009	0.1809096	0.26679910	2.3897170	21	5 2.7	19.6
200875 2001 YL_{106}	16.3	X	154.54545	178.77327	282.28498	6.82808	0.0710783	0.27329057	2.3517236	21	5 31.8	19.5
200876 2001 YV_{106}	17.0	X	146.69011	302.27448	178.60205	2.69342	0.1742229	0.27417675	2.3466535	21	6 26.7	20.5
200877 2001 YC_{108}	16.2	X	257.73771	282.93552	112.37236	5.76773	0.2308701	0.28094788	2.3087959	21	6 16.7	19.4
200878 2001 YQ_{116}	16.5	X	327.04634	267.15823	114.69114	7.24160	0.2047725	0.29162244	2.2521056	21	10 11.7	17.9
200879 2001 YC_{125}	16.1	X	340.79972	272.86366	43.24870	7.16119	0.1353006	0.28352439	2.2947873	21	7 20.8	18.1
200880 2001 YD_{126}	16.4	X	75.43635	170.31603	316.63995	6.27566	0.0653432	0.26744754	2.3858528	21	3 17.5	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200881 2001 YG_{126}	16.3	X	76.17803	129.99257	28.57160	6.72199	0.0400356	0.27198357	2.3592517	21	4 30.9	19.0
200882 2001 YT_{127}	16.6	X	280.15189	41.42674	334.79285	4.41987	0.1609035	0.28280722	2.2986652	21	6 27.9	19.3
200883 2001 YJ_{131}	16.6	X	246.08535	70.94795	5.15197	5.01449	0.1806375	0.28586810	2.2822274	21	8 6.8	19.6
200884 2001 YS_{135}	17.0	X	85.33828	60.11745	115.50134	3.57414	0.1188206	0.27375016	2.3490907	21	6 22.8	19.8
200885 2001 YX_{147}	16.5	X	193.76917	338.96579	50.62397	6.88717	0.2418856	0.27282414	2.3544033	21	4 15.9	20.6
200886 2002 AJ_{9}	16.4	X	85.41449	129.94519	34.90724	2.96199	0.1456848	0.26942292	2.3741766	21	6 11.5	19.2
200887 2002 AY_{11}	16.8	X	7.53113	133.24932	73.30772	3.17521	0.1388104	0.26451545	2.4034514	21	3 21.7	19.0
200888 2002 AJ_{12}	17.9	X	156.61497	131.98105	330.17099	2.01653	0.1883863	0.27385475	2.3484926	21	6 12.3	21.6
200889 2002 AS_{12}	16.8	X	104.33751	247.53507	291.75309	1.61499	0.1493013	0.27283129	2.3543621	21	7 27.7	19.9
200890 2002 AS_{15}	15.9	X	282.15567	275.05096	101.08788	7.98528	0.2318822	0.28203715	2.3028475	21	6 18.8	18.7
200891 2002 AE_{17}	16.4	X	94.87533	166.80005	336.47574	6.24099	0.1693030	0.26608945	2.3939640	21	5 27.5	19.5
200892 2002 AU_{22}	17.2	X	145.42641	273.50299	209.83142	1.73378	0.1720006	0.27401408	2.3475821	21	6 28.6	20.7
200893 2002 AQ_{28}	16.6	X	63.50805	162.93531	353.19750	5.91955	0.1095690	0.26563438	2.3966973	21	4 16.5	19.1
200894 2002 AM_{34}	16.4	X	142.77504	120.79602	323.66691	5.63162	0.1215390	0.26926966	2.3750774	21	4 27.8	19.8
200895 2002 AR_{38}	15.8	X	323.78820	58.53780	131.58169	7.18157	0.1710187	0.25690522	2.4506846	21	—	—
200896 2002 AA_{41}	16.4	X	222.11498	146.01607	273.77183	5.82292	0.0681226	0.27837402	2.3230056	21	6 26.5	19.3
200897 2002 AM_{41}	17.5	X	163.57896	292.87271	142.55046	2.78237	0.1507984	0.27117286	2.3639515	21	5 14.0	21.1
200898 2002 AR_{41}	17.1	X	30.69287	258.48247	279.89454	4.08380	0.1739878	0.26469267	2.4023785	21	3 21.2	19.1
200899 2002 AJ_{43}	16.7	X	103.81505	313.88014	257.53132	2.55773	0.1671895	0.27908022	2.3190851	21	9 9.9	20.1
200900 2002 AV_{43}	17.2	X	20.78826	36.77088	166.97386	1.85793	0.1419881	0.26675047	2.3900074	21	4 11.9	19.2
200901 2002 AM_{44}	17.5	X	144.37925	196.14843	270.76064	2.61062	0.1652642	0.27294414	2.3537132	21	6 5.1	20.8
200902 2002 AT_{47}	15.3	X	199.41033	205.87769	228.53251	1.90960	0.2403514	0.12549936	3.9510123	21	6 16.5	21.8
200903 2002 AW_{47}	17.0	X	186.97694	133.49065	285.70767	1.28760	0.1806781	0.27384346	2.3485571	21	5 14.9	20.8
200904 2002 AX_{49}	16.9	X	14.49782	64.61342	142.70163	4.22436	0.1164211	0.26562683	2.3967427	21	4 6.9	19.1
200905 2002 AG_{53}	16.8	X	221.49695	185.61208	271.73338	2.77361	0.0874444	0.28111572	2.3078769	21	8 14.9	19.7
200906 2002 AJ_{53}	16.8	X	170.77979	230.74814	227.93904	1.70155	0.1497523	0.27474322	2.3434268	21	6 20.1	20.3
200907 2002 AR_{53}	17.0	X	91.99573	297.05937	262.60199	1.16625	0.1252111	0.27650932	2.3334377	21	8 6.4	19.9
200908 2002 AZ_{67}	17.0	X	65.38502	90.76206	91.90445	2.24020	0.1243322	0.27045579	2.3681281	21	6 3.1	19.6
200909 2002 AM_{70}	16.6	X	79.03293	91.99764	64.67377	3.15800	0.1550783	0.27100196	2.3649453	21	5 22.6	19.2
200910 2002 AF_{72}	17.3	X	213.56803	79.60349	315.49668	1.52951	0.2326294	0.27694944	2.3309648	21	5 6.2	21.1
200911 2002 AP_{78}	16.3	X	21.67258	231.75384	315.66017	5.72932	0.0545879	0.26504129	2.4002714	21	3 18.2	19.0
200912 2002 AY_{88}	17.1	X	73.06527	17.43619	167.85954	4.03235	0.2056292	0.27020505	2.3695929	21	7 3.3	19.9
200913 2002 AN_{93}	17.0	X	190.36548	54.73642	107.85061	4.79382	0.0742342	0.28604475	2.2812877	21	10 11.6	20.1
200914 2002 AL_{96}	16.1	X	332.07352	117.34156	102.57215	7.77037	0.0573608	0.26296881	2.4128661	21	2 21.5	19.1
200915 2002 AH_{98}	16.7	X	8.72223	215.82711	332.03273	3.97332	0.1263368	0.26235587	2.4166228	21	2 23.3	19.1
200916 2002 AH_{99}	15.8	X	341.84834	229.23175	335.56165	4.85100	0.1643789	0.25996059	2.4314446	21	1 28.7	18.4
200917 2002 AP_{100}	16.9	X	10.70763	134.17809	65.12344	3.05964	0.1214724	0.26363684	2.4087884	21	3 18.3	19.1
200918 2002 AS_{104}	16.7	X	124.57308	171.74533	319.52838	2.04432	0.0534364	0.27254612	2.3560041	21	6 2.8	19.7
200919 2002 AU_{104}	16.2	X	281.13929	268.48547	305.72498	5.16876	0.0722814	0.25447780	2.4662444	21	—	—
200920 2002 AK_{106}	17.5	X	149.91326	112.29040	350.64564	1.37516	0.1448734	0.27261277	2.3556201	21	6 3.9	21.0
200921 2002 AC_{112}	16.6	X	339.65079	95.58447	110.65616	3.24029	0.1401159	0.25928279	2.4356802	21	1 30.8	19.3
200922 2002 AK_{114}	16.2	X	344.98013	93.86724	111.05677	5.58284	0.1246001	0.26067566	2.4269960	21	2 8.9	18.8
200923 2002 AB_{117}	16.5	X	157.69343	332.12914	112.16130	4.12497	0.1671581	0.27081455	2.3660362	21	5 20.9	20.1
200924 2002 AP_{119}	17.2	X	135.00663	42.42511	66.53933	2.27656	0.1455267	0.27048404	2.3679632	21	5 27.2	20.4
200925 2002 AP_{121}	16.2	X	0.55101	42.61227	116.01938	7.20599	0.0588563	0.25678445	2.4514530	21	1 8.9	19.0
200926 2002 AS_{132}	17.2	X	148.75761	264.65345	293.78652	2.42964	0.0745840	0.28542048	2.2846129	21	10 6.9	20.3
200927 2002 AA_{134}	17.4	X	209.37926	278.08075	125.90696	5.32674	0.2259235	0.27686915	2.3314155	21	5 16.4	21.3
200928 2002 AY_{151}	16.0	X	191.18033	157.92742	132.94605	8.34034	0.0789349	0.25058429	2.4917252	21	—	—
200929 2002 AT_{159}	16.9	X	4.37458	272.71325	264.01330	1.36359	0.1541792	0.25867059	2.4395217	21	1 27.5	19.1
200930 2002 AG_{160}	17.1	X	96.19276	329.31370	171.78596	1.54157	0.1396571	0.26790051	2.3831627	21	5 23.3	20.0
200931 2002 AN_{161}	16.9	X	58.58715	11.75110	143.03751	2.91795	0.1320595	0.26406639	2.4061755	21	4 12.6	19.2
200932 2002 AA_{162}	16.6	X	124.78040	353.82374	141.52313	5.59269	0.1339510	0.27118087	2.3639050	21	6 19.6	19.9
200933 2002 AU_{163}	16.8	X	12.41627	268.31260	269.70773	1.66171	0.1312828	0.25963639	2.4334682	21	2 15.3	19.0
200934 2002 AL_{164}	16.5	X	132.69352	315.08289	144.41405	2.75645	0.0904202	0.26788062	2.3832806	21	5 6.4	19.6
200935 2002 AO_{164}	16.9	X	189.99892	230.43724	238.98499	0.96154	0.1225111	0.27702542	2.3305386	21	7 24.3	20.4
200936 2002 AC_{168}	17.0	X	124.66260	347.40877	134.68958	2.01536	0.1260894	0.27018555	2.3697069	21	5 31.4	20.2
200937 2002 AM_{168}	16.8	X	318.82169	287.46630	294.31466	1.32821	0.1372023	0.25711622	2.4493437	21	1 23.0	20.0
200938 2002 AN_{172}	16.1	X	346.42524	108.27276	98.03694	5.53111	0.1438406	0.26091619	2.4255042	21	2 10.7	18.7
200939 2002 AF_{173}	16.9	X	173.03489	88.26682	310.01566	4.10428	0.1223340	0.26772941	2.3841779	21	3 31.6	20.4
200940 2002 AB_{175}	17.5	X	86.04761	112.90934	16.84256	1.50014	0.1318838	0.26592671	2.3949406	21	4 20.3	20.1
200941 2002 AP_{176}	17.2	X	72.87790	157.45337	346.06566	2.10154	0.1535355	0.26511193	2.3998450	21	4 22.2	19.7
200942 2002 AQ_{176}	16.7	X	59.48287	29.82790	112.01640	6.06794	0.0861793	0.26317500	2.4116057	21	3 22.6	19.3
200943 2002 AK_{194}	17.2	X	283.40635	284.90737	109.86842	6.87589	0.1035514	0.28263402	2.2996042	21	8 10.8	19.7
200944 2002 AV_{199}	17.5	X	153.93993	120.69361	307.57838	4.22180	0.1868241	0.27105888	2.3646142	21	4 24.6	21.3
200945 2002 AJ_{203}	17.9	X	148.05724	288.12177	147.38993	1.49001	0.1651133	0.26967242	2.3727120	21	4 29.1	21.3
200946 2002 BF_{10}	16.6	X	158.65099	119.25014	342.17391	5.67878	0.1876006	0.27229977	2.3574249	21	6 12.9	20.4
200947 2002 BK_{12}	16.7	X	285.82186	7.74087	124.79308	7.15754	0.0236757	0.24427258	2.5344646	21	—	—
200948 2002 BE_{13}	15.7	X	176.86110	42.25685	9.83097	9.35808	0.1974535	0.27032018	2.3689200	21	4 25.2	19.7
200949 2002 BR_{13}	16.2	X	122.10469	6.07308	78.95826	8.29712	0.0772008	0.26674328	2.3900504	21	4 4.7	19.4
200950 2002 BW_{14}	17.0	X	285.46480	141.93757	293.07310	2.66125	0.1741873	0.28676987	2.2774405	21	9 30.2	19.2
200951 2002 BN_{15}	16.2	X	192.67682	154.04763	260.27564	4.30025	0.1673325	0.27220246	2.3579867	21	5 13.6	20.0
200952 2002 BR_{18}	16.6	X	302.49476	3.46325	60.12789	2.30007	0.1379403	0.28855348	2.2680459	21	10 24.1	18.3
200953 2002 BJ_{20}	16.4	X	170.16039	108.70838	303.90423	5.69941	0.1255563	0.26933346	2.3747023	21	4 15.5	20.1
200954 2002 BB_{22}	16.4	X	238.33587	318.13051	65.09009	7.94560	0.1474259	0.27520479	2.3408058	21	5 19.5	19.7
200955 2002 BT_{26}	16.6	X	230.17502	356.98624	78.78678	7.51802	0.0905432	0.28115911	2.3076394	21	7 28.8	19.7
200956 2002 BH_{28}	17.3	X	152.96122	299.90856	120.87697	4.52513	0.2175737	0.26911980	2.3759590	21	4 20.6	21.0
200957 2002 CF_{11}	16.8	X	130.57180	346.08385	120.32106	3.16087	0.1943069	0.26848914	2.3796782	21	5 24.8	20.4
200958 2002 CX_{13}	15.5	X	129.27374	143.62346	153.73055	27.62203	0.0595070	0.24075275	2.5591076	21	—	—
200959 2002 CQ_{19}	16.6	X	88.30054	157.04486	348.15853	5.82735	0.1238636	0.26768713	2.3844290	21	5 12.6	19.5
200960 2002 CR_{27}	16.7	X	10.72616	112.22624	84.25005	7.27951	0.1700180	0.26249368	2.4157769	21	3 13.1	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
200961 2002 CB_{28}	16.3	X	111.63380	21.40077	92.57253	7.33656	0.0734056	0.26779252	2.3838033	21	4 28.5	19.3
200962 2002 CE_{29}	16.9	X	70.54667	147.67095	341.97252	6.14115	0.0929717	0.26357461	2.4091675	21	3 19.4	19.4
200963 2002 CW_{33}	16.1	X	315.49236	338.27490	85.39357	10.61554	0.1444336	0.23880949	2.5729716	21	11 9.9	18.8
200964 2002 CM_{36}	17.1	X	121.85553	103.22023	341.75475	2.12861	0.1314891	0.26560159	2.3968946	21	4 6.9	20.1
200965 2002 CA_{49}	16.9	X	0.48325	347.31200	179.34993	1.33478	0.1289589	0.25734717	2.4478781	21	1 10.5	19.5
200966 2002 CP_{63}	16.0	X	4.36098	132.32153	60.72823	7.45369	0.0528453	0.26097945	2.4251122	21	3 7.0	18.9
200967 2002 CE_{67}	17.0	X	340.45184	239.28458	341.41042	1.58629	0.1343919	0.26160925	2.4212185	21	2 21.2	19.7
200968 2002 CT_{68}	17.5	X	68.65474	181.49173	302.45252	1.37594	0.1334988	0.26256660	2.4153296	21	3 14.1	20.0
200969 2002 CN_{74}	16.9	X	133.55747	79.86975	334.04333	5.33886	0.1458470	0.26301801	2.4125652	21	3 12.6	20.2
200970 2002 CP_{90}	17.6	X	81.91636	125.96730	10.61403	1.89147	0.1424915	0.26437754	2.4042872	21	4 25.5	20.4
200971 2002 CD_{94}	16.4	X	33.16978	32.27909	122.87625	3.70457	0.1297803	0.25911803	2.4367125	21	2 23.3	18.7
200972 2002 CT_{94}	16.1	X	210.76566	93.54918	351.31426	6.07975	0.2042981	0.27718837	2.3296251	21	7 9.9	19.9
200973 2002 CM_{95}	16.9	X	56.89311	22.81756	138.81127	2.60260	0.1336117	0.26314476	2.4117904	21	4 20.2	19.2
200974 2002 CH_{98}	16.5	X	160.57268	93.90191	345.83036	1.92221	0.1608841	0.26882597	2.3776900	21	5 15.8	20.2
200975 2002 CY_{110}	16.5	X	82.68189	133.92181	340.90840	5.19692	0.0860094	0.26034904	2.4290254	21	3 17.4	19.1
200976 2002 CD_{114}	16.9	X	53.44542	90.18197	64.59679	3.07862	0.1458517	0.26216242	2.4178114	21	4 5.0	19.2
200977 2002 CV_{115}	16.9	X	163.07245	310.71559	184.07562	22.81036	0.0406393	0.37743350	1.8963089	21	7 27.4	19.5
200978 2002 CA_{119}	17.0	X	171.79832	289.77942	126.72970	5.17553	0.1496497	0.27049428	2.3679035	21	4 28.8	20.6
200979 2002 CD_{120}	17.2	X	152.42079	41.53926	154.57969	2.34562	0.1498150	0.28258545	2.2998677	21	10 9.9	20.7
200980 2002 CJ_{120}	16.8	X	82.16193	316.88987	161.87209	4.50717	0.1419487	0.26414012	2.4057277	21	4 1.6	19.4
200981 2002 CZ_{121}	16.8	X	217.25151	207.58771	260.81703	2.64712	0.0899723	0.28094398	2.3088173	21	8 24.7	19.8
200982 2002 CQ_{122}	17.5	X	152.86124	166.02089	275.48432	0.91024	0.1584067	0.27012193	2.3700790	21	5 10.5	21.0
200983 2002 CS_{125}	16.9	X	50.92193	296.87782	233.58505	1.27792	0.1480085	0.26354368	2.4093560	21	4 22.5	19.1
200984 2002 CX_{125}	17.2	X	36.03379	302.77226	219.98160	1.55714	0.1508399	0.26041090	2.4286408	21	3 10.8	19.2
200985 2002 CH_{130}	17.0	X	39.32839	336.36370	184.37689	4.33818	0.1371418	0.26077560	2.4263759	21	3 14.3	19.2
200986 2002 CF_{133}	16.9	X	31.57155	337.46719	166.07075	2.47853	0.1484697	0.25706797	2.4496502	21	2 1.3	19.1
200987 2002 CQ_{133}	16.7	X	190.21608	138.08385	335.23200	1.87334	0.1620439	0.27574564	2.3377440	21	7 29.1	20.2
200988 2002 CC_{136}	16.3	X	226.01884	218.87055	254.46638	6.55695	0.1169696	0.28395133	2.2924864	21	9 5.9	19.5
200989 2002 CV_{137}	15.9	X	285.75931	129.53902	267.18939	6.08411	0.2524384	0.28452901	2.2893824	21	7 19.5	18.5
200990 2002 CD_{140}	17.2	X	158.94909	232.30476	222.13434	2.99074	0.1990007	0.27189226	2.3597798	21	6 5.3	20.8
200991 2002 CQ_{144}	17.1	X	60.19398	252.88439	237.90175	1.55739	0.1665531	0.26048841	2.4281589	21	3 13.1	19.3
200992 2002 CU_{144}	16.9	X	105.65101	291.83096	165.76716	2.35942	0.1502917	0.26322019	2.4113296	21	4 7.6	19.7
200993 2002 CE_{145}	16.3	X	203.02581	124.23369	304.94101	4.63631	0.2216377	0.27408544	2.3471747	21	6 10.7	20.2
200994 2002 CZ_{151}	17.2	X	126.86782	8.10795	107.84135	2.37581	0.1332293	0.26720223	2.3873128	21	5 26.6	20.3
200995 2002 CH_{155}	16.8	X	219.86720	43.70072	349.31128	5.04542	0.2350038	0.27580722	2.3373960	21	5 7.5	20.7
200996 2002 CN_{155}	17.2	X	59.23452	154.73531	6.63502	2.64739	0.1369086	0.26633996	2.3924627	21	4 22.1	19.5
200997 2002 CC_{157}	16.9	X	345.36114	145.96608	313.62029	1.65483	0.0173576	0.24679379	2.5171740	21	—	—
200998 2002 CF_{159}	17.5	X	122.91204	14.22174	139.48653	1.63888	0.1285196	0.27138850	2.3626991	21	7 11.8	20.8
200999 2002 CB_{160}	16.3	X	84.55544	173.76758	340.04477	7.54639	0.1793183	0.26907111	2.3762457	21	5 29.3	19.3
201000 2002 CA_{165}	16.2	X	160.25105	86.32841	22.52465	3.82510	0.0990952	0.27278286	2.3546408	21	6 20.6	19.6
201001 2002 CL_{168}	16.0	X	247.29252	79.81656	129.48182	14.38976	0.1418976	0.24446573	2.5331295	21	—	—
201002 2002 CW_{170}	16.4	X	10.87146	98.55983	75.94914	3.48297	0.1412254	0.25725972	2.4484328	21	2 9.1	18.7
201003 2002 CL_{172}	15.5	X	138.40905	206.33670	82.63587	4.70406	0.1516335	0.24096316	2.5576176	21	—	—
201004 2002 CD_{175}	16.8	X	273.38506	144.02489	324.11348	6.40428	0.1052559	0.29254003	2.2473938	21	11 9.4	19.3
201005 2002 CY_{176}	16.3	X	273.88199	265.31205	357.82282	4.79245	0.0786441	0.25976605	2.4326584	21	1 30.9	19.6
201006 2002 CH_{185}	13.0	X	158.06722	224.52435	5.15219	4.14192	0.0068143	0.08639313	5.0677664	21	10 30.7	19.8
201007 2002 CL_{190}	17.0	X	117.80787	102.25745	332.25147	5.90215	0.1006703	0.26351451	2.4095338	21	3 13.5	20.1
201008 2002 CQ_{205}	17.3	X	19.24536	357.23590	150.87030	1.53117	0.1338175	0.25680561	2.4513184	21	1 16.4	19.5
201009 2002 CA_{211}	17.0	X	206.40920	318.34942	129.93118	3.19049	0.1708512	0.27655499	2.3331808	21	7 10.8	20.6
201010 2002 CK_{215}	16.9	X	58.06393	196.87840	2.16098	2.34824	0.1236196	0.26737953	2.3862574	21	6 15.2	19.3
201011 2002 CE_{219}	16.6	X	175.25213	325.55579	121.92303	5.25736	0.1911396	0.27164879	2.3611896	21	6 11.1	20.4
201012 2002 CU_{222}	16.4	X	194.90463	95.97369	280.81266	3.65179	0.2314730	0.26682314	2.3895735	21	3 28.7	20.4
201013 2002 CJ_{225}	17.3	X	87.34431	121.17205	353.48478	1.31884	0.1248702	0.26082598	2.4260634	21	3 31.2	20.0
201014 2002 CL_{226}	16.4	X	171.88938	74.28453	297.14144	5.34480	0.1183297	0.26237870	2.4164826	21	2 24.5	20.1
201015 2002 CF_{228}	16.5	X	100.91677	301.79282	236.51775	4.64360	0.0986471	0.27196615	2.3593524	21	7 14.1	19.6
201016 2002 CY_{241}	16.3	X	68.78318	220.97371	281.20984	4.34677	0.2276687	0.26247897	2.4158671	21	4 24.9	18.8
201017 2002 CU_{252}	16.7	X	131.80528	97.06811	99.33886	7.84747	0.0797131	0.28007337	2.3135995	21	9 19.6	20.0
201018 2002 CW_{256}	16.4	X	120.87957	326.29927	90.39066	5.32460	0.0964201	0.26064114	2.4272103	21	2 25.3	19.5
201019 Oliverwhite	17.3	X	179.84088	63.83682	318.39972	0.56686	0.1883801	0.26665266	2.3905918	21	3 23.3	21.1
201020 2002 CG_{259}	15.9	X	179.89422	302.93849	95.05205	13.33716	0.2495522	0.26722850	2.3871564	21	4 20.8	20.2
201021 2002 CJ_{259}	16.0	X	55.29253	14.42889	90.83633	13.85024	0.2102300	0.25709698	2.4494659	21	1 30.7	18.0
201022 2002 CT_{261}	17.1	X	28.00817	92.68615	84.57953	3.28548	0.1491748	0.26106881	2.4245588	21	3 19.2	19.1
201023 Karlwhittenburg	16.1	X	126.05845	6.83239	313.18145	2.19342	0.2109785	0.24282043	2.5445593	21	—	—
201024 2002 CL_{280}	17.0	X	344.24929	276.37404	260.48312	1.60201	0.1073583	0.25493536	2.4632926	21	1 3.4	20.0
201025 2002 CB_{282}	16.3	X	192.73429	349.62585	314.13265	5.33399	0.1417830	0.25229466	2.4804511	21	—	—
201026 2002 CD_{282}	16.8	X	26.79096	90.02035	307.32680	2.37712	0.1959223	0.24609502	2.5219366	21	—	—
201027 2002 CQ_{284}	16.9	X	180.54469	111.04311	308.87834	0.53190	0.1706893	0.26884399	2.3775837	21	5 10.1	20.6
201028 2002 CE_{292}	17.4	X	36.56695	31.45996	152.44961	1.46747	0.1202474	0.26538305	2.3982103	21	4 12.9	19.6
201029 2002 CM_{292}	17.0	X	215.84751	82.22237	314.88875	3.35669	0.1988231	0.27396531	2.3478607	21	5 11.3	20.8
201030 2002 CX_{295}	17.3	X	104.43789	153.04256	312.04578	0.85472	0.1010490	0.26364893	2.4087147	21	4 7.3	20.1
201031 2002 CL_{306}	16.8	X	101.93390	88.71171	96.43074	6.41812	0.1301244	0.27118360	2.3638891	21	7 31.6	20.0
201032 2002 DC_{7}	16.9	X	114.31762	133.61493	283.23177	2.46215	0.1718266	0.26009503	2.4306067	21	2 24.9	20.1
201033 2002 DJ_{10}	17.2	X	31.78428	343.81539	218.86283	2.12520	0.1624715	0.26364132	2.4087611	21	5 5.4	19.3
201034 2002 DF_{11}	16.6	X	137.87255	237.23733	186.21332	4.02597	0.0682788	0.26330559	2.4108082	21	3 21.1	19.7
201035 2002 DJ_{13}	16.6	X	160.94354	252.10773	167.03436	6.97495	0.1918997	0.26774890	2.3840622	21	4 24.0	20.4
201036 2002 DP_{13}	17.4	X	336.16517	187.51314	14.39663	1.35201	0.1157411	0.25640980	2.4538403	21	1 24.3	20.4
201037 2002 DW_{14}	16.4	X	318.36329	351.79632	278.02442	3.94639	0.1682977	0.26374224	2.4081466	21	3 19.7	19.3
201038 2002 DO_{17}	16.4	X	165.09510	160.82529	124.41116	3.52185	0.1466976	0.24303506	2.5430609	21	—	—
201039 2002 ES_{5}	13.0	X	304.41098	261.80832	160.02132	8.72758	0.0859804	0.08265979	5.2192309	21	9 30.1	19.7
201040 2002 EX_{7}	12.6	X	357.65620	53.34465	337.42877	7.91856	0.0668615	0.08221756	5.2379296	21	10 29.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
201041 2002 EB_{14}	16.8	X	72.95680	317.10077	213.11844	3.74819	0.1355947	0.26650200	2.3914927	21	5 30.3	19.4
201042 2002 ET_{14}	16.3	X	262.28627	213.91354	57.26100	3.02167	0.1640445	0.25779801	2.4450233	21	1 21.4	20.1
201043 2002 EJ_{15}	17.0	X	161.65844	281.95324	182.59715	1.80362	0.1472385	0.27191256	2.3596624	21	6 18.7	20.5
201044 2002 EK_{17}	15.9	X	177.05230	326.85714	14.23635	2.49000	0.2645013	0.25234735	2.4801058	21	2 5.6	20.0
201045 2002 EM_{17}	16.9	X	174.77768	320.54722	139.19958	1.66040	0.1391245	0.27188239	2.3598370	21	6 25.4	20.3
201046 2002 EA_{23}	17.7	X	128.61902	85.61163	354.47797	1.03468	0.1637889	0.26446709	2.4037444	21	4 13.4	21.1
201047 2002 EY_{25}	17.2	X	37.50602	311.18707	250.22794	0.55357	0.1213801	0.26411534	2.4058782	21	5 11.6	19.4
201048 2002 EU_{32}	16.6	X	162.55515	34.41138	31.24799	7.31755	0.1094735	0.26720092	2.3873206	21	4 26.3	19.8
201049 2002 EY_{32}	15.8	X	195.01305	195.05800	85.84154	6.25867	0.2041434	0.24606137	2.5221665	21	—	—
201050 2002 EV_{33}	16.4	X	120.23967	48.99249	42.49790	3.85829	0.1257723	0.26369130	2.4084567	21	4 14.6	19.6
201051 2002 ED_{35}	16.6	X	209.50352	326.74487	128.67150	8.75835	0.2270213	0.27729496	2.3290281	21	7 20.1	20.4
201052 2002 EO_{39}	16.4	X	154.80308	77.34113	347.74636	7.07454	0.0886129	0.26366346	2.4086263	21	4 12.9	19.9
201053 2002 EL_{43}	16.8	X	139.76152	252.87289	191.22306	2.34996	0.2157524	0.26593328	2.3949011	21	5 6.6	20.3
201054 2002 ED_{55}	15.7	X	193.54179	87.82311	172.27908	15.13648	0.1123575	0.24425100	2.5346139	21	—	—
201055 2002 ED_{57}	16.3	X	7.96627	163.05518	258.95454	2.84805	0.2458241	0.24613120	2.5216895	21	—	—
201056 2002 EY_{57}	16.9	X	352.17755	312.93038	241.62980	1.56761	0.1344180	0.25743627	2.4473133	21	2 3.6	19.7
201057 2002 EW_{61}	17.0	X	202.37736	276.20483	173.53174	2.06454	0.1776922	0.27490909	2.3424841	21	7 8.4	20.6
201058 2002 ET_{71}	16.9	X	56.39164	230.96964	257.47721	1.62070	0.1536620	0.25784283	2.4447400	21	2 28.9	19.1
201059 2002 EG_{73}	17.0	X	150.18836	243.12041	261.63544	2.27774	0.2011147	0.27251077	2.3562079	21	8 1.3	20.8
201060 2002 EZ_{84}	16.6	X	169.94430	31.83335	53.01670	3.10384	0.2442141	0.27054800	2.3675900	21	6 3.7	20.7
201061 2002 EX_{85}	16.6	X	27.10440	121.58273	89.28928	3.00038	0.1546025	0.26232932	2.4167858	21	5 8.9	18.5
201062 2002 EZ_{89}	17.0	X	66.33561	297.00991	201.75359	6.90600	0.1644000	0.26138104	2.4226276	21	4 6.2	19.1
201063 2002 EV_{90}	17.0	X	56.32961	149.27124	17.92732	2.69999	0.0647223	0.26228683	2.4170468	21	4 17.5	19.5
201064 2002 ED_{92}	15.8	X	74.97287	228.92416	347.64944	11.34411	0.1036975	0.21858535	2.7293256	21	8 5.4	19.5
201065 2002 EK_{99}	16.6	X	55.95007	247.80169	258.97459	4.05439	0.0978564	0.26299220	2.4127230	21	3 19.2	19.1
201066 2002 EN_{103}	16.3	X	165.58251	113.71472	92.50725	6.93366	0.0654306	0.28343778	2.2952547	21	11 9.6	19.4
201067 2002 EJ_{105}	16.8	X	156.77764	50.74640	55.58576	3.52525	0.1233337	0.26995357	2.3710643	21	6 14.6	20.4
201068 2002 EF_{110}	16.7	X	90.79734	109.73331	138.50055	5.90867	0.2039057	0.27519617	2.3408547	21	10 21.9	20.3
201069 2002 EQ_{114}	16.7	X	188.66905	8.00393	62.44452	2.25425	0.1631890	0.27009497	2.3702367	21	5 31.4	20.4
201070 2002 EM_{120}	16.0	X	126.48659	143.84732	168.52197	2.92752	0.1470767	0.24199265	2.5503587	21	—	—
201071 2002 EP_{122}	16.6	X	154.03281	76.53868	233.21104	1.19937	0.1262532	0.24383046	2.5375274	21	—	—
201072 2002 EM_{129}	16.2	X	236.66491	302.32463	196.76681	12.84569	0.1153710	0.23237402	2.6202597	21	10 22.7	19.9
201073 2002 EF_{161}	15.5	X	161.56608	141.05226	134.20409	14.96888	0.0565740	0.23851132	2.5751155	21	—	—
201074 2002 FZ	15.7	X	20.88250	41.63919	192.40035	9.78425	0.0858646	0.21297167	2.7770785	21	6 1.9	19.1
201075 2002 FG_{2}	16.7	X	98.57870	93.38052	29.96294	2.87150	0.1481414	0.26189018	2.4194867	21	5 2.6	19.7
201076 2002 FX_{10}	17.3	X	164.87591	120.45856	346.37911	1.11422	0.1421501	0.27189640	2.3597559	21	6 24.9	21.0
201077 2002 FE_{12}	16.1	X	138.79329	40.04470	3.95366	10.50172	0.2661809	0.26089749	2.4256201	21	3 20.8	19.8
201078 2002 FU_{21}	16.6	X	255.23256	266.73966	289.87170	3.52938	0.1234702	0.24231940	2.5480655	21	—	—
201079 2002 FY_{25}	15.6	X	112.79628	211.72436	84.44149	13.79836	0.1483116	0.23470672	2.6028693	21	12 28.3	19.7
201080 2002 FG_{26}	15.9	X	104.98046	234.30921	74.05341	15.50501	0.1242552	0.23586359	2.5943513	21	—	—
201081 2002 GC_{2}	16.1	X	70.76029	87.40214	60.16852	23.15134	0.2864225	0.26276046	2.4141414	21	5 20.1	18.5
201082 2002 GA_{27}	16.7	X	142.47963	27.67000	217.34816	3.08228	0.1398499	0.22816373	2.6523957	21	11 23.7	20.8
201083 2002 GE_{51}	16.3	X	183.28069	164.48877	42.04214	6.16476	0.1926106	0.23163590	2.6258231	21	11 12.1	20.4
201084 2002 GL_{56}	16.4	X	218.70154	331.61167	262.97122	4.74758	0.2019022	0.23941879	2.5686044	21	—	—
201085 2002 GN_{58}	16.9	X	155.10255	276.06757	188.50660	0.75764	0.1476358	0.26684545	2.3894403	21	6 12.2	20.5
201086 2002 GJ_{59}	16.6	X	119.22173	107.14300	171.94355	2.73598	0.0065944	0.23254397	2.6189829	21	12 7.2	20.1
201087 2002 GU_{69}	16.7	X	129.11494	26.83044	83.76259	3.54543	0.1718874	0.26390747	2.4071414	21	5 26.3	20.0
201088 2002 GG_{70}	16.0	X	90.67740	206.65118	79.45124	5.78246	0.1405800	0.22713422	2.6604044	21	11 24.1	19.9
201089 2002 GU_{77}	15.6	X	352.53843	257.36844	46.94541	8.61686	0.1937758	0.21698475	2.7427311	21	7 23.8	18.3
201090 2002 GH_{88}	15.8	X	184.17789	155.66604	76.62791	12.02795	0.1536344	0.23361804	2.6109495	21	12 16.3	19.8
201091 2002 GS_{92}	16.0	X	320.91107	146.85446	344.67665	7.05391	0.1938240	0.24413679	2.5354043	21	—	—
201092 2002 GK_{94}	16.6	X	298.76337	243.46649	225.22947	4.49366	0.2524657	0.23955989	2.5675957	21	11 27.3	18.6
201093 2002 GT_{94}	16.7	X	355.28870	274.01954	205.80944	2.94467	0.0911378	0.24544203	2.5264077	21	—	—
201094 2002 GD_{97}	16.6	X	48.78254	182.51320	314.56152	1.60681	0.1419867	0.25569595	2.4584053	21	2 26.9	18.7
201095 2002 GC_{103}	17.2	X	159.52682	298.28745	180.03762	0.91729	0.1358893	0.26954506	2.3734593	21	7 4.4	20.8
201096 2002 GB_{109}	16.0	X	200.61005	108.04769	110.11682	9.58125	0.1273936	0.23529858	2.5985027	21	12 18.8	19.9
201097 2002 GY_{114}	16.4	X	148.51018	358.53829	135.81579	6.65752	0.0823758	0.26966055	2.3727817	21	7 10.9	19.7
201098 2002 GU_{122}	16.6	X	105.91644	356.26724	139.99126	3.17462	0.1101776	0.26410849	2.4059198	21	5 25.8	19.8
201099 2002 GG_{127}	16.6	X	126.08358	52.61717	220.27579	3.89073	0.2319984	0.23141732	2.6274763	21	12 14.6	21.1
201100 2002 GU_{128}	15.8	X	76.74594	81.37181	296.77995	2.87679	0.0861012	0.24176664	2.5519478	21	—	—
201101 2002 GU_{131}	16.4	X	189.41079	22.02229	239.90878	4.01402	0.1136652	0.23889210	2.5723784	21	—	—
201102 2002 GP_{142}	16.7	X	280.01716	336.08093	192.85206	3.93781	0.1889372	0.24044175	2.5613138	21	—	—
201103 2002 GQ_{145}	16.0	X	213.38083	145.08011	194.82870	5.83932	0.0942747	0.20316857	2.8657064	21	3 7.0	20.3
201104 2002 GD_{149}	15.9	X	117.26847	82.24147	186.13859	12.12841	0.1320575	0.22950785	2.6420296	21	11 29.4	20.2
201105 2002 GH_{149}	16.7	X	177.69998	26.37100	204.58866	5.13449	0.0252709	0.23511519	2.5998538	21	12 18.1	20.3
201106 2002 GS_{154}	16.4	X	213.13577	142.06334	108.44866	4.87872	0.1757801	0.24165967	2.5527009	21	—	—
201107 2002 GD_{163}	16.5	X	71.40775	63.00286	57.44187	3.01471	0.1671387	0.25772742	2.4454698	21	3 22.2	18.9
201108 2002 GX_{174}	15.7	X	40.46836	133.79619	124.95082	6.29489	0.1357578	0.21735680	2.7396004	21	8 14.5	18.8
201109 2002 GY_{178}	16.9	X	287.85630	198.32815	169.60260	1.67265	0.0280294	0.21859698	2.7292288	21	7 18.0	20.4
201110 2002 GP_{181}	16.7	X	146.44476	252.55662	53.01103	3.49423	0.1302823	0.23851965	2.5750556	21	—	—
201111 2002 GU_{183}	16.5	X	265.31381	217.02704	127.82956	1.91654	0.1685796	0.20900389	2.8121154	21	4 30.6	20.7
201112 2002 HG	15.9	X	202.52865	159.56821	67.83065	9.50113	0.0692437	0.23556356	2.5965537	21	—	—
201113 2002 HN_{3}	15.9	X	306.57435	23.76950	123.14477	9.81607	0.0576464	0.24101298	2.5572652	21	—	—
201114 2002 HL_{16}	15.9	X	305.53934	155.78498	184.14570	6.03117	0.0430423	0.21696441	2.7429026	21	7 2.2	19.6
201115 2002 JX_{12}	15.6	X	354.49417	248.54141	69.53382	9.74439	0.2116195	0.21444176	2.7643719	21	8 22.2	18.2
201116 2002 JV_{13}	17.1	X	332.42872	256.51823	54.28412	22.40749	0.0650908	0.36769046	1.9296616	21	6 25.4	19.0
201117 2002 JQ_{20}	16.4	X	126.46410	12.27404	134.41760	7.92098	0.0436967	0.26538776	2.3981819	21	6 26.8	19.5
201118 2002 JE_{28}	16.0	X	200.82341	6.79671	219.65045	6.94279	0.0687413	0.23486547	2.6016963	21	—	—
201119 2002 JW_{32}	16.0	X	200.58407	1.04321	231.45564	12.69731	0.2204917	0.23416824	2.6068581	21	12 25.5	20.3
201120 2002 JF_{35}	16.1	X	146.61460	169.01328	79.74769	7.62700	0.1654748	0.22817694	2.6522933	21	12 1.9	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
201121 2002 JQ_{40}	16.1	X	217.88020	13.91836	217.88018	8.26709	0.1126765	0.23944505	2.5684166	21	—	—
201122 2002 JL_{44}	16.3	X	50.43827	212.71624	303.12183	4.74707	0.1341582	0.25773589	2.4454162	21	3 26.8	18.9
201123 2002 JZ_{44}	15.9	X	46.19783	259.32813	29.73517	12.18689	0.1574137	0.22047245	2.7137291	21	10 9.3	19.3
201124 2002 JE_{45}	16.5	X	25.84858	328.91644	257.03545	2.14072	0.1896600	0.26176940	2.4202309	21	6 1.9	18.3
201125 2002 JK_{54}	15.9	X	315.08658	77.96150	53.62258	8.41683	0.1447810	0.23902151	2.5714498	21	—	—
201126 2002 JL_{54}	16.3	X	292.49932	346.52116	210.52591	6.00749	0.1185024	0.24438409	2.5336936	21	—	—
201127 2002 JR_{61}	16.4	X	159.58862	30.51120	188.95490	8.59715	0.1732427	0.22763756	2.6564813	21	11 9.3	20.8
201128 2002 JX_{63}	15.8	X	275.39469	331.19426	231.42128	6.81332	0.1428973	0.24092176	2.5579106	21	—	—
201129 2002 JW_{68}	15.7	X	57.78016	134.25506	62.91442	14.84854	0.1768578	0.26443880	2.4039159	21	6 19.9	18.3
201130 2002 JW_{69}	16.1	X	200.03421	57.05723	167.19301	9.19301	0.0893664	0.23545627	2.5973424	21	12 29.0	20.0
201131 2002 JT_{76}	16.9	X	197.26220	358.41354	211.46400	5.70567	0.1947354	0.23413627	2.6070954	21	11 29.3	21.1
201132 2002 JT_{78}	16.3	X	27.69976	112.08198	20.48969	5.06694	0.1339701	0.25182364	2.4835432	21	1 12.8	18.8
201133 2002 JZ_{81}	16.6	X	100.97274	242.92138	267.11037	0.47385	0.1216471	0.26389890	2.4071934	21	6 8.5	19.6
201134 2002 JO_{82}	16.0	X	320.31483	91.50173	217.71802	6.41370	0.2166662	0.20974704	2.8054691	21	5 18.7	19.1
201135 2002 JV_{84}	16.6	X	183.59721	229.88066	25.93105	5.01825	0.1463739	0.23550314	2.5969978	21	—	—
201136 2002 JW_{93}	15.9	X	17.62369	63.17085	246.07713	4.88706	0.0739974	0.21785203	2.7354470	21	9 6.1	19.3
201137 2002 JJ_{97}	15.7	X	100.80760	202.41601	79.18447	16.14189	0.1668487	0.22719319	2.6599441	21	12 1.3	20.0
201138 2002 JV_{97}	15.9	X	92.84961	205.54711	66.89397	8.94294	0.1934922	0.22394968	2.6855655	21	11 14.6	20.0
201139 2002 JH_{98}	15.3	X	74.10277	325.75569	20.83407	28.17730	0.0724338	0.23418634	2.6067238	21	—	—
201140 2002 JE_{101}	15.6	X	110.40499	53.99317	103.24163	23.64856	0.2532651	0.26571716	2.3961995	21	7 16.1	19.2
201141 2002 JL_{103}	16.2	X	206.34300	83.98179	129.81820	3.76652	0.1079064	0.23388708	2.6089468	21	12 21.1	20.0
201142 2002 JY_{105}	15.8	X	20.73438	70.44996	231.10930	16.32780	0.1945360	0.21570441	2.7535736	21	9 10.5	19.2
201143 2002 JQ_{110}	15.6	X	189.45975	290.15241	257.66405	10.56546	0.1298126	0.22791979	2.6542879	21	10 27.1	19.8
201144 2002 JB_{118}	17.3	X	292.38620	50.77845	71.78523	20.39086	0.0957546	0.39013775	1.8549152	21	—	—
201145 2002 JD_{125}	16.9	X	92.99023	154.68681	345.86709	1.03837	0.1222432	0.26131901	2.4230110	21	5 14.8	19.9
201146 2002 JM_{127}	16.0	X	169.97804	187.02513	64.12280	14.68412	0.1326626	0.23339682	2.6125990	21	12 26.4	20.2
201147 2002 JO_{127}	16.3	X	233.22885	126.12264	90.30411	5.42061	0.1138725	0.23845642	2.5755108	21	—	—
201148 2002 JK_{130}	15.6	X	20.03999	165.17330	159.10051	5.03300	0.1695766	0.22009883	2.7167993	21	10 17.5	18.6
201149 2002 JP_{138}	16.6	X	347.21430	264.15032	227.76049	5.74776	0.1548719	0.24383913	2.5374673	21	—	—
201150 2002 JP_{143}	15.5	X	128.47979	188.74089	97.96112	16.34667	0.0826721	0.23527638	2.5986662	21	12 30.4	19.4
201151 2002 JD_{147}	15.9	X	69.39997	270.40916	68.91952	11.47155	0.0440092	0.23025099	2.6363418	21	12 24.8	19.5
201152 2002 KL	15.1	X	280.50802	196.16341	136.50296	22.02106	0.3074148	0.20283320	2.8688644	21	4 22.6	20.0
201153 2002 KP_{4}	16.5	X	216.38755	143.54416	70.59850	7.29696	0.2509769	0.23460392	2.6036297	21	12 16.0	20.5
201154 2002 KX_{4}	15.9	X	250.44407	118.36316	85.97774	8.27801	0.1533584	0.23737734	2.5833101	21	—	—
201155 2002 KL_{5}	15.9	X	70.67212	30.36289	240.19296	10.51086	0.1598666	0.21869638	2.7284018	21	10 11.8	19.9
201156 2002 KX_{12}	16.2	X	137.86489	21.43305	131.10157	3.14133	0.1463934	0.26953779	2.3735020	21	7 28.3	19.6
201157 2002 LO_{14}	16.3	X	257.52293	308.88734	263.09805	11.26066	0.2688572	0.24015265	2.5633690	21	—	—
201158 2002 LQ_{15}	16.2	X	172.27413	151.21570	69.38277	14.74726	0.1956001	0.22820034	2.6521120	21	11 20.6	20.7
201159 2002 LC_{18}	16.6	X	216.47809	182.55059	100.41172	3.95420	0.1483118	0.24086830	2.5582891	21	—	—
201160 2002 LK_{32}	15.8	X	144.94219	25.89851	209.85243	13.12081	0.0592783	0.22590583	2.6700399	21	11 14.4	19.7
201161 2002 LF_{35}	13.8	X	113.22530	50.31193	310.64335	26.03758	0.2873727	0.17333554	3.1857447	21	1 20.3	18.6
201162 2002 LN_{41}	16.0	X	89.37989	69.08680	198.25766	8.75021	0.2031241	0.21998361	2.7177479	21	11 5.7	20.2
201163 2002 LG_{44}	15.7	X	179.72073	291.40636	246.07332	15.00549	0.0935281	0.22441048	2.6818879	21	10 3.3	20.0
201164 2002 MN_{5}	15.7	X	129.57525	187.90150	117.70879	15.04442	0.1606259	0.22548938	2.6733264	21	—	—
201165 2002 NA_{7}	15.7	X	16.65969	227.99247	149.14194	10.55707	0.2677018	0.21724740	2.7405201	21	—	—
201166 2002 NP_{20}	15.3	X	163.72660	64.36011	233.45359	8.73395	0.0972985	0.17794708	3.1304647	21	—	—
201167 2002 NU_{30}	15.2	X	146.88365	73.22900	181.57003	5.47653	0.1479218	0.17222147	3.1994686	21	12 2.3	20.4
201168 2002 NL_{50}	15.5	X	40.44938	207.92372	72.47018	11.34713	0.1322533	0.21200216	2.7855386	21	9 18.8	19.2
201169 2002 NE_{58}	16.3	X	225.69502	131.68033	141.10781	2.14784	0.1557093	0.18454716	3.0553746	21	1 1.9	21.3
201170 2002 NM_{61}	15.1	X	180.37682	256.89540	66.94898	8.09279	0.3140718	0.18253079	3.0778348	21	1 29.9	20.7
201171 2002 NJ_{63}	16.3	X	5.57854	273.74918	103.44343	10.84792	0.0676688	0.21907840	2.7252290	21	11 23.2	19.8
201172 2002 OC_{3}	16.2	X	329.24826	62.73646	306.79713	20.90675	0.1122247	0.36422030	1.9418989	21	9 18.9	18.2
201173 2002 OT_{6}	15.7	X	202.32600	158.74516	185.12158	11.26725	0.0838270	0.18833217	3.0142993	21	3 2.2	20.4
201174 2002 OQ_{15}	15.6	X	240.85667	70.82299	242.80368	8.29683	0.0659052	0.19084067	2.9878268	21	3 4.2	20.2
201175 2002 OW_{16}	15.5	X	289.42279	160.61846	176.71935	9.34389	0.1010224	0.20193749	2.8773415	21	5 30.7	19.5
201176 2002 OO_{26}	15.9	X	191.77613	293.82576	46.28453	4.72755	0.2336200	0.18545626	3.0453816	21	2 22.4	21.2
201177 2002 OF_{29}	15.7	X	122.39558	100.67532	241.96309	8.29057	0.0525956	0.17546678	3.1598959	21	—	—
201178 2002 PA_{5}	15.7	X	155.25543	202.40691	215.54973	10.24889	0.1603757	0.19090569	2.9871484	21	4 18.2	20.4
201179 2002 PW_{9}	16.1	X	312.16946	65.11545	260.16151	5.04244	0.0809216	0.20256978	2.8713510	21	6 17.4	19.6
201180 2002 PH_{10}	15.5	X	123.69043	178.76984	224.99317	4.30031	0.2501568	0.18321727	3.0701419	21	3 10.8	20.3
201181 2002 PT_{26}	15.4	X	178.51363	67.11619	307.24339	10.05310	0.1038425	0.18932185	3.0037853	21	3 12.3	20.2
201182 2002 PR_{33}	15.4	X	164.76760	93.88562	332.73914	6.59346	0.3140088	0.18943873	3.0025496	21	5 11.3	21.0
201183 2002 PV_{42}	15.1	X	100.78946	256.09903	139.13670	22.59284	0.2191670	0.17931162	3.1145628	21	2 2.7	19.5
201184 2002 PW_{52}	15.5	X	220.21164	217.13966	124.56159	11.51703	0.1076132	0.19104546	2.9856912	21	3 22.3	20.3
201185 2002 PO_{66}	15.5	X	189.69304	98.23590	229.94079	8.37850	0.2160231	0.18499384	3.0504544	21	2 2.2	20.9
201186 2002 PN_{69}	15.2	X	168.49766	128.13619	184.61364	16.24642	0.2593113	0.17845673	3.1245016	21	1 4.5	20.8
201187 2002 PK_{70}	15.2	X	156.69209	202.21072	208.47526	11.14125	0.2426336	0.18791866	3.0187196	21	4 16.1	20.2
201188 2002 PT_{73}	15.1	X	211.57049	87.44010	258.90070	10.55051	0.1178481	0.18990653	2.9976168	21	3 9.9	20.0
201189 2002 PV_{73}	15.2	X	174.55082	70.62036	201.18873	12.07343	0.0849805	0.17513564	3.1638778	21	—	—
201190 2002 PF_{75}	15.3	X	155.37248	172.51239	159.13879	10.68889	0.2167066	0.17754229	3.1352211	21	1 13.2	20.6
201191 2002 PK_{75}	15.4	X	277.59693	40.37365	244.68048	9.36641	0.0598110	0.19180018	2.9778539	21	3 10.9	19.8
201192 2002 PR_{89}	15.1	X	239.10544	88.45378	233.67634	11.08642	0.1939885	0.19034308	2.9930317	21	3 3.8	20.3
201193 2002 PH_{91}	14.7	X	220.58397	91.98733	274.22942	11.66602	0.1468259	0.19031660	2.9933093	21	4 10.4	19.8
201194 2002 PR_{94}	15.8	X	152.84553	166.95306	121.34954	12.62142	0.0625364	0.22506561	2.6766811	21	—	—
201195 2002 PN_{104}	15.9	X	203.20057	98.03185	233.61347	8.24796	0.0683421	0.18645022	3.0345487	21	2 14.9	20.7
201196 2002 PP_{105}	15.9	X	174.94038	119.69894	276.27696	8.60084	0.3432172	0.18776809	3.0203332	21	4 11.9	21.7
201197 2002 PF_{111}	14.2	X	263.32790	159.51904	256.54032	10.57345	0.0688050	0.15226974	3.4731776	21	8 5.7	19.3
201198 2002 PD_{123}	15.4	X	209.47878	88.89750	271.20451	9.12122	0.0711964	0.19205339	2.9752359	21	3 25.7	20.1
201199 2002 PE_{123}	15.9	X	279.27378	255.14459	297.27106	13.03730	0.1249545	0.23094466	2.6310601	21	—	—
201200 2002 PP_{129}	15.5	X	141.35022	289.85833	133.60373	14.64248	0.0827350	0.19060513	2.9902879	21	4 10.3	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
201201 2002 PM_{131}	14.7	X	149.75761	41.12115	270.52484	16.53127	0.1851698	0.17433828	3.1735174	21	—	—
201202 2002 PC_{137}	15.5	X	132.51514	45.12830	339.46268	9.32556	0.1096790	0.18345302	3.0675110	21	2 12.4	20.0
201203 2002 PF_{138}	16.1	X	224.14443	117.92135	208.87034	9.38891	0.0835583	0.18915420	3.0055599	21	3 2.7	20.8
201204 Stevewilliams	16.6	X	201.29681	55.32622	269.23326	1.61100	0.0659261	0.18473207	3.0533355	21	2 7.8	21.1
201205 2002 PO_{155}	16.2	X	179.17413	123.35190	122.14480	3.13241	0.1529362	0.22635008	2.6665452	21	12 26.6	20.4
201206 2002 PJ_{165}	16.4	X	166.26042	42.46167	346.20792	1.15880	0.1096171	0.18815224	3.0162208	21	3 21.9	21.0
201207 2002 PN_{167}	16.3	X	197.85696	293.92578	36.26226	3.15352	0.1655831	0.18543877	3.0455731	21	2 14.0	21.4
201208 2002 PS_{171}	16.5	X	325.94002	78.11380	213.36728	2.69031	0.0670870	0.20021156	2.8938540	21	5 25.3	20.3
201209 2002 PY_{171}	16.3	X	3.80892	231.60276	50.80053	2.75485	0.0187539	0.20370446	2.8606783	21	7 10.0	20.1
201210 2002 PW_{182}	15.5	X	198.68210	130.14029	235.46457	14.90261	0.0750646	0.18932420	3.0037605	21	3 20.9	20.3
201211 2002 PJ_{185}	16.0	X	302.27603	258.14203	303.03992	12.53015	0.1084326	0.23421355	2.6065219	21	—	—
201212 2002 QT_{13}	15.1	X	336.92030	245.17571	279.79920	5.30613	0.1280595	0.18207181	3.0830051	21	—	—
201213 2002 QZ_{31}	15.0	X	136.02321	255.12154	133.70104	11.82689	0.1455233	0.18303523	3.0721772	21	2 25.4	19.6
201214 2002 QD_{41}	15.3	X	219.38705	289.03555	69.64578	2.60788	0.2303643	0.19296914	2.9658155	21	4 3.4	20.4
201215 2002 QL_{45}	15.7	X	177.23328	261.31617	69.57967	1.28594	0.2518859	0.18249930	3.0781887	21	1 31.8	21.0
201216 2002 QX_{45}	15.4	X	207.21215	279.72095	44.64763	9.52561	0.1327984	0.18421835	3.0590092	21	2 18.4	20.4
201217 2002 QZ_{48}	15.5	X	98.80664	231.57405	148.54381	5.46322	0.2767220	0.17544153	3.1601991	21	1 21.8	19.9
201218 2002 QW_{56}	15.7	X	270.68380	334.02393	61.99690	2.90979	0.0732949	0.20374769	2.8602737	21	7 26.3	19.5
201219 2002 QV_{57}	15.8	X	169.39210	234.39025	161.91826	9.07032	0.0896638	0.18965186	3.0002998	21	4 4.1	20.4
201220 2002 QP_{64}	16.2	X	146.31277	96.76661	6.87995	3.08864	0.0870340	0.19650455	2.9301351	21	5 29.9	20.6
201221 2002 QU_{65}	15.9	X	179.61186	37.97596	335.56495	2.19943	0.1022974	0.18848419	3.0126783	21	3 16.4	20.7
201222 2002 QX_{78}	15.7	X	127.58815	39.68575	355.15972	4.10143	0.1640917	0.18170804	3.0871184	21	2 25.2	20.2
201223 2002 QE_{85}	15.8	X	222.92318	89.21377	189.30938	4.19317	0.1405291	0.18312465	3.0711770	21	1 6.1	20.7
201224 2002 QQ_{98}	15.8	X	329.32355	239.03379	340.96300	4.98272	0.0988688	0.18884649	3.0088239	21	2 23.4	19.8
201225 2002 QA_{101}	15.5	X	68.23950	336.00950	272.90632	6.84495	0.0979552	0.20847002	2.8169143	21	8 31.1	19.5
201226 2002 QA_{103}	15.3	X	94.51245	169.13265	235.91996	9.40995	0.0789972	0.17858541	3.1230006	21	1 16.0	19.6
201227 2002 QB_{105}	16.3	X	244.72468	173.51540	135.77915	1.71848	0.0356423	0.18911505	3.0059747	21	3 10.3	20.5
201228 2002 QZ_{105}	15.8	X	279.02850	330.87213	107.74850	10.44764	0.1392567	0.20953536	2.8073582	21	9 27.3	19.6
201229 2002 QJ_{118}	16.3	X	70.98498	79.77658	44.57975	4.14373	0.0216777	0.18952417	3.0016472	21	3 18.9	20.3
201230 2002 QD_{123}	15.5	X	342.80217	281.66540	95.55650	6.86193	0.0727918	0.21193990	2.7860841	21	10 19.6	19.0
201231 2002 QV_{128}	15.6	X	62.87450	255.36090	137.99973	7.15456	0.1206717	0.17333904	3.1857018	21	—	—
201232 2002 RV_{5}	15.6	X	180.46575	182.49927	270.48941	9.59051	0.1052518	0.19519854	2.9431903	21	6 22.9	20.2
201233 2002 RR_{8}	15.3	X	185.40894	302.30643	58.06940	6.61246	0.2866913	0.18347352	3.0672826	21	3 15.0	20.9
201234 2002 RS_{16}	15.2	X	155.09266	264.03401	174.15412	9.14103	0.1139256	0.19116283	2.9844691	21	5 12.2	19.9
201235 2002 RR_{22}	15.1	X	149.07181	50.54058	348.13716	13.64428	0.1053924	0.18532333	3.0468376	21	3 15.5	19.8
201236 2002 RG_{24}	15.9	X	60.70123	26.01860	273.23590	1.52315	0.0349290	0.21203273	2.7852710	21	10 19.5	19.7
201237 2002 RR_{32}	15.8	X	210.82037	342.85387	321.29856	4.12796	0.2439302	0.18292917	3.0733645	21	1 25.4	21.3
201238 2002 RN_{42}	15.5	X	130.59743	21.21925	349.62179	15.20090	0.2623976	0.17886086	3.1197934	21	2 14.1	20.6
201239 2002 RM_{43}	15.3	X	154.26030	211.96228	156.83060	10.77531	0.1278665	0.18242792	3.0789917	21	2 16.4	20.0
201240 2002 RY_{45}	15.7	X	140.21392	274.06844	81.44352	2.93943	0.1212056	0.17839157	3.1252624	21	1 18.6	20.3
201241 2002 RN_{46}	15.6	X	201.88748	248.31379	131.46429	4.91095	0.1425735	0.19043336	2.9920857	21	4 16.8	20.4
201242 2002 RH_{77}	15.9	X	286.13655	69.01685	292.42064	1.17821	0.0789593	0.20053455	2.8907458	21	6 29.3	19.7
201243 2002 RM_{80}	14.7	X	159.78093	133.25620	169.79714	10.73370	0.0993665	0.17393540	3.1784159	21	—	—
201244 2002 RQ_{82}	15.5	X	185.36875	159.25433	175.84091	4.99831	0.1848217	0.18181026	3.0859612	21	2 8.1	20.6
201245 2002 RX_{89}	15.3	X	146.59565	133.00905	209.71600	2.72865	0.0596634	0.17725889	3.1385619	21	1 3.1	19.9
201246 2002 RG_{91}	15.1	X	189.70558	310.15791	354.75918	4.85901	0.1264134	0.17798990	3.1299626	21	1 8.8	20.1
201247 2002 RD_{94}	15.3	X	63.50926	260.20222	183.68807	25.52684	0.2674785	0.17357006	3.1828745	21	2 14.3	19.3
201248 2002 RK_{94}	15.1	X	134.95294	223.99981	177.21682	12.96043	0.1581858	0.18112380	3.0937535	21	3 10.4	19.8
201249 2002 RK_{97}	14.9	X	124.28390	81.29322	8.58178	10.57457	0.1408075	0.18473170	3.0533395	21	4 22.8	19.6
201250 2002 RT_{103}	15.2	X	117.37103	30.29939	11.55750	10.82653	0.0994134	0.17795428	3.1303802	21	2 18.3	19.8
201251 2002 RZ_{112}	14.7	X	130.43735	40.81141	277.43989	13.68372	0.0825770	0.17160429	3.2071354	21	—	—
201252 2002 RM_{116}	16.1	X	195.36010	147.56613	241.83545	1.38592	0.1743462	0.19096459	2.9865341	21	4 19.9	21.0
201253 2002 RV_{119}	15.1	X	83.06820	285.67470	75.02685	5.82164	0.1471641	0.17057126	3.2200712	21	—	—
201254 2002 RG_{123}	15.6	X	133.78815	322.88403	78.39935	7.27562	0.1837087	0.18171872	3.0869974	21	3 16.2	20.5
201255 2002 RA_{124}	15.5	X	211.20209	317.98273	64.52022	10.74341	0.1005096	0.19340133	2.9613955	21	4 30.1	20.1
201256 2002 RL_{132}	15.0	X	135.79510	69.91960	269.93399	9.86320	0.2303381	0.17475521	3.1684677	21	1 7.4	19.9
201257 2002 RP_{138}	15.1	X	191.10058	328.91810	100.50375	13.05968	0.0269433	0.19624967	2.9326715	21	6 6.6	19.3
201258 2002 RZ_{138}	15.4	X	152.46588	332.54187	55.38488	10.76988	0.2149687	0.18331414	3.0690601	21	3 21.2	20.6
201259 2002 RO_{141}	15.2	X	276.24204	99.57544	221.20884	8.57755	0.0266506	0.19313136	2.9641546	21	5 2.2	19.3
201260 2002 RQ_{144}	15.6	X	164.50251	113.73739	266.56090	3.82742	0.0949679	0.18435458	3.0575021	21	3 7.9	20.2
201261 2002 RA_{151}	15.7	X	8.73993	91.37094	304.87854	10.70830	0.0552223	0.21781731	2.7357377	21	12 18.2	19.3
201262 2002 RC_{152}	15.4	X	126.24332	159.67424	235.18726	7.79530	0.0964640	0.18106760	3.0943936	21	2 11.9	20.1
201263 2002 RP_{160}	15.8	X	134.06764	73.54150	343.14574	7.83188	0.0838009	0.18574018	3.0422774	21	3 18.6	20.2
201264 2002 RP_{161}	16.0	X	169.67202	226.33865	139.34138	1.42077	0.1552447	0.18412382	3.0600562	21	3 1.5	20.9
201265 2002 RF_{166}	15.6	X	107.24170	77.34916	346.48830	1.66356	0.1108244	0.18192602	3.0846520	21	3 1.7	19.9
201266 2002 RK_{167}	15.4	X	102.40908	240.66937	173.42934	9.43174	0.0928443	0.17993404	3.1073761	21	2 8.2	19.7
201267 2002 RX_{183}	15.1	X	210.68208	81.47134	246.74696	14.02520	0.1160574	0.18396496	3.0618175	21	2 15.7	20.2
201268 2002 RQ_{185}	14.9	X	139.75569	49.00452	322.14571	15.96267	0.1686666	0.17902259	3.1179141	21	2 10.0	19.7
201269 2002 RR_{185}	15.4	X	145.34678	190.91534	209.04565	16.85581	0.1505035	0.18363922	3.0654371	21	3 15.5	20.4
201270 2002 RE_{190}	15.7	X	125.32373	219.46320	178.62512	6.55927	0.1521519	0.18103396	3.0947769	21	2 23.7	20.4
201271 2002 RA_{201}	15.2	X	210.62768	195.61328	159.61985	17.13041	0.0771538	0.18980981	2.9986351	21	3 28.4	19.8
201272 2002 RK_{201}	15.4	X	204.05168	240.54187	116.42546	7.95979	0.1157943	0.18766642	3.0214240	21	3 24.4	20.2
201273 2002 RP_{210}	16.3	X	99.33171	260.94010	186.39404	3.93079	0.0891235	0.18280395	3.0747678	21	3 17.2	20.4
201274 2002 RS_{224}	15.4	X	133.66304	73.72728	326.08016	10.18250	0.1093931	0.18312355	3.0711893	21	2 28.8	19.9
201275 2002 RR_{228}	15.1	X	156.20606	280.94718	94.16880	9.45564	0.0957087	0.18372437	3.0644900	21	2 26.9	19.8
201276 2002 RN_{230}	15.9	X	197.39568	329.83843	56.17733	2.52042	0.1818115	0.19023046	2.9942129	21	4 18.5	20.8
201277 2002 RC_{239}	15.6	X	229.29000	141.83289	175.73184	10.84901	0.0992086	0.18758379	3.0223112	21	2 26.0	20.2
201278 2002 RM_{243}	15.3	X	310.71798	278.76813	287.54432	11.54796	0.0954107	0.18440414	3.0569543	21	1 14.3	19.6
201279 2002 RT_{255}	16.1	X	191.82469	178.91378	206.22482	11.74818	0.1418990	0.19115784	2.9845210	21	4 11.6	20.9
201280 2002 RJ_{264}	16.1	X	95.00794	263.50238	205.76766	9.09574	0.1029500	0.18628094	3.0363868	21	4 9.6	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
201281 2002 RL_{271}	16.3	X	273.03929	36.14957	284.83597	0.95779	0.1114426	0.19497142	2.9454755	21	4 16.1	20.4
201282 2002 RN_{278}	15.8	X	162.87822	229.65121	148.08157	0.81038	0.0345200	0.18276943	3.0751550	21	2 28.7	20.2
201283 2002 RP_{278}	16.1	X	327.01871	3.34883	190.26434	4.93490	0.0253972	0.18003764	3.1061840	21	1 28.6	20.4
201284 2002 SM_{4}	15.2	X	133.43427	4.75980	8.32756	15.29616	0.0630926	0.17748539	3.1358911	21	1 30.4	20.0
201285 2002 SM_{5}	16.0	X	145.02690	226.05781	132.47985	2.29146	0.1887346	0.17787648	3.1312929	21	2 2.3	21.0
201286 2002 SD_{6}	15.2	X	90.46728	293.41190	175.70606	11.81606	0.0599910	0.18435457	3.0575022	21	3 30.0	19.3
201287 2002 SV_{14}	14.6	X	90.49208	118.01221	305.28411	19.76474	0.1397940	0.17688199	3.1430188	21	2 9.3	18.9
201288 2002 SU_{16}	16.2	X	244.06729	338.58429	35.84342	0.32760	0.0535414	0.19377138	2.9576240	21	5 27.4	20.3
201289 2002 SY_{23}	14.9	X	183.06622	258.50253	82.91565	11.75327	0.2201470	0.18237728	3.0795616	21	2 19.4	20.3
201290 2002 SM_{36}	15.2	X	317.80003	200.13772	113.56973	3.08814	0.0802664	0.19589500	2.9362102	21	6 10.7	19.0
201291 2002 SO_{41}	15.5	X	145.93222	258.80444	76.00603	3.08330	0.2072285	0.17471465	3.1689582	21	1 9.5	20.5
201292 2002 SF_{46}	15.4	X	53.41069	273.13626	33.40033	6.91448	0.1403095	0.20959480	2.8068275	21	11 3.7	19.0
201293 2002 SS_{52}	15.3	X	218.09964	261.11542	48.36700	14.75265	0.2476928	0.18424063	3.0587626	21	2 10.5	20.9
201294 2002 SS_{53}	14.8	X	149.27363	35.44162	322.45542	15.72498	0.0896898	0.17689662	3.1428455	21	1 29.3	19.5
201295 2002 SA_{57}	15.3	X	142.94723	332.32236	59.67449	8.18160	0.2716179	0.18047696	3.1011412	21	3 21.2	20.6
201296 2002 SD_{58}	14.9	X	153.70161	272.05259	61.28294	13.22065	0.1581627	0.17487259	3.1670498	21	1 11.1	20.0
201297 2002 SK_{60}	15.6	X	247.24244	185.99724	125.31577	10.64017	0.0566764	0.18829000	3.0147493	21	3 16.9	20.1
201298 2002 SV_{64}	15.3	X	24.07114	168.96856	61.84504	13.58256	0.0609050	0.19552030	2.9399604	21	5 31.3	19.0
201299 2002 SX_{70}	16.1	X	174.65192	58.27523	345.04955	5.90205	0.0670200	0.19113686	2.9847394	21	4 13.0	20.7
201300 2002 TL_{6}	14.9	X	221.16008	264.65590	34.90514	12.69134	0.0496191	0.17964362	3.1107243	21	2 5.7	19.7
201301 2002 TR_{7}	15.1	X	114.27645	7.55450	20.06847	15.55547	0.2006498	0.17698519	3.1417968	21	2 14.0	19.9
201302 2002 TD_{12}	15.5	X	112.51536	207.18827	179.02103	9.68633	0.1031288	0.17653108	3.1471825	21	1 19.9	20.1
201303 2002 TJ_{12}	15.0	X	128.59786	294.65200	30.96599	12.26733	0.0650191	0.17079168	3.2173001	21	—	—
201304 2002 TE_{34}	15.3	X	74.58560	253.93538	200.45795	12.03568	0.0942902	0.17910267	3.1169847	21	2 19.7	19.6
201305 2002 TY_{41}	15.3	X	105.03663	34.30562	57.70088	4.62635	0.2313882	0.17929769	3.1147241	21	4 19.9	19.9
201306 2002 TL_{62}	15.2	X	209.06060	25.84346	261.10747	4.11156	0.1091173	0.17710025	3.1404359	21	1 4.7	20.2
201307 2002 TC_{65}	15.7	X	90.94543	135.27824	249.86199	3.51361	0.1913172	0.17265927	3.1940579	21	1 6.2	19.7
201308 Hansgrade	15.7	X	186.84546	75.07285	269.60249	2.05505	0.1294806	0.18114602	3.0935005	21	2 18.8	20.6
201309 2002 TH_{70}	15.0	X	139.35043	182.65463	236.64795	9.45299	0.0732085	0.18360506	3.0658174	21	3 24.7	19.7
201310 2002 TJ_{91}	15.1	X	148.60630	49.15826	286.75861	5.65620	0.2701317	0.17461823	3.1701246	21	1 17.6	20.3
201311 2002 TY_{91}	16.5	X	0.50523	65.42110	0.05708	7.32655	0.0928649	0.27139384	2.3626682	21	—	—
201312 2002 TQ_{92}	15.5	X	131.99218	229.20755	176.42912	10.32868	0.0374959	0.18282546	3.0745267	21	2 25.7	19.8
201313 2002 TR_{95}	14.9	X	181.96419	74.85962	259.51291	8.11776	0.0886156	0.17960209	3.1112038	21	1 30.3	19.8
201314 2002 TQ_{97}	15.1	X	112.45706	174.51665	249.15398	9.28424	0.0742625	0.18334000	3.0687716	21	2 25.9	19.6
201315 2002 TO_{98}	15.4	X	137.86800	192.36785	203.91974	10.05935	0.1279995	0.18102928	3.0948302	21	3 2.3	20.2
201316 2002 TA_{112}	15.2	X	180.96642	305.03077	20.03601	9.65208	0.0716362	0.17999630	3.1066596	21	1 22.8	20.0
201317 2002 TX_{112}	15.0	X	142.63018	114.54697	221.69625	15.72301	0.2289354	0.17518708	3.1632583	21	1 6.9	20.3
201318 2002 TA_{117}	14.7	X	118.32731	100.84001	262.81678	7.92672	0.0778437	0.17356651	3.1829179	21	—	—
201319 2002 TW_{118}	14.8	X	180.27465	88.91996	311.13060	8.19631	0.1584317	0.18662040	3.0327036	21	4 16.0	19.9
201320 2002 TC_{119}	14.8	X	129.59601	61.88309	4.45508	25.65554	0.2199519	0.18127734	3.0920063	21	4 5.6	19.9
201321 2002 TY_{122}	15.0	X	358.21906	295.49870	285.53932	9.31451	0.0504043	0.19014297	2.9951313	21	4 6.2	19.1
201322 2002 TO_{124}	15.4	X	320.25735	337.38777	62.55778	5.19373	0.1053841	0.20998164	2.8033791	21	10 11.4	18.7
201323 2002 TJ_{127}	15.0	X	154.19015	47.78166	280.66276	8.01386	0.0665713	0.17509261	3.1643961	21	—	—
201324 2002 TV_{127}	15.1	X	113.23027	229.09335	230.44378	10.59519	0.0957407	0.18625111	3.0367111	21	4 17.7	19.4
201325 2002 TQ_{135}	14.8	X	142.73394	50.33579	275.54724	5.15910	0.2335211	0.17259310	3.1948742	21	—	—
201326 2002 TR_{136}	15.2	X	220.20956	115.07224	277.99400	8.99641	0.1037916	0.19182344	2.9776131	21	5 18.7	19.8
201327 2002 TO_{139}	15.1	X	236.46661	101.25803	278.79077	7.48944	0.1096180	0.19134449	2.9825798	21	5 19.3	19.7
201328 2002 TO_{144}	15.1	X	98.20888	218.31916	142.11551	13.99735	0.1858139	0.17022493	3.2244374	21	—	—
201329 2002 TX_{146}	15.9	X	142.34412	102.30494	252.89147	3.88071	0.1545645	0.17638181	3.1489578	21	1 23.0	20.8
201330 2002 TM_{158}	15.0	X	171.68814	276.41171	94.81711	11.01641	0.0942928	0.18179518	3.0861318	21	3 11.6	19.9
201331 2002 TV_{159}	15.7	X	111.59157	309.34714	75.89028	16.00915	0.2128655	0.17504216	3.1650041	21	2 7.5	20.5
201332 2002 TV_{160}	14.8	X	162.20290	242.55019	75.93851	17.33155	0.2274202	0.17458476	3.1705298	21	1 5.9	20.2
201333 2002 TA_{163}	14.4	X	49.45247	20.43337	69.07304	28.08702	0.1514936	0.17213983	3.2004802	21	1 18.6	18.6
201334 2002 TW_{165}	15.7	X	142.22013	2.28598	294.30778	11.91987	0.1675741	0.22467401	2.6797904	21	—	—
201335 2002 TT_{166}	14.7	X	215.70435	62.06732	224.53174	21.77595	0.0382568	0.17897535	3.1184628	21	1 6.2	19.7
201336 2002 TU_{166}	15.2	X	212.82391	75.07201	257.51598	14.35821	0.1308115	0.18540140	3.0459823	21	2 21.7	20.4
201337 2002 TN_{169}	15.0	X	109.62684	110.13681	304.36031	14.06184	0.0834817	0.17922955	3.1155135	21	2 14.6	19.5
201338 2002 TK_{175}	15.0	X	155.13879	332.57384	55.19273	10.72064	0.0576215	0.18246610	3.0785622	21	3 11.7	19.7
201339 2002 TQ_{176}	15.0	X	80.39530	350.95560	101.34959	13.53023	0.1166047	0.17871043	3.1215440	21	3 9.1	19.4
201340 2002 TX_{185}	15.4	X	138.55908	43.62661	333.24525	8.08952	0.1172670	0.17906788	3.1173884	21	2 10.8	20.0
201341 2002 TH_{188}	15.1	X	232.61560	37.13401	232.48615	10.64503	0.1504454	0.17878468	3.1206796	21	1 3.8	20.3
201342 2002 TR_{189}	14.5	X	231.73005	107.19089	271.04660	8.93946	0.1272761	0.19268071	2.9687746	21	5 10.1	19.2
201343 2002 TT_{189}	15.4	X	167.59975	45.38806	322.24279	8.63637	0.1141520	0.18206494	3.0830826	21	2 26.2	20.1
201344 2002 TL_{192}	15.3	X	110.63621	87.40965	320.83633	11.40859	0.2644075	0.17599267	3.1535980	21	3 4.7	20.2
201345 2002 TJ_{198}	15.2	X	159.59845	127.38917	276.16662	15.44330	0.2326602	0.18524021	3.0477491	21	4 2.8	20.7
201346 2002 TW_{198}	14.6	X	201.48469	6.45717	294.58825	16.37816	0.1222547	0.17866755	3.1220433	21	1 14.1	19.6
201347 2002 TD_{199}	14.6	X	136.39049	97.36398	255.08107	14.33561	0.0754035	0.17264518	3.1942316	21	1 4.5	19.4
201348 2002 TU_{204}	14.9	X	57.72032	293.49883	175.82388	23.52566	0.0801286	0.17826096	3.1267888	21	2 14.2	19.3
201349 2002 TY_{210}	15.3	X	104.10328	53.22285	36.41956	17.22632	0.1973718	0.17942933	3.1132005	21	4 13.5	19.9
201350 2002 TG_{211}	15.1	X	125.64663	322.82485	21.05407	12.50106	0.0720125	0.17078069	3.2174381	21	—	—
201351 2002 TA_{213}	15.2	X	140.38827	325.50018	67.23643	18.42648	0.3138062	0.18102638	3.0948633	21	3 29.0	20.8
201352 2002 TR_{214}	15.2	X	94.21477	19.70434	67.11056	12.30276	0.2274292	0.17812410	3.1283903	21	4 5.9	19.8
201353 2002 TB_{216}	15.1	X	60.22021	325.77249	111.63478	15.56887	0.1452558	0.17102133	3.2144193	21	1 19.8	18.9
201354 2002 TV_{222}	15.2	X	124.84791	11.36834	33.73108	6.16106	0.1974469	0.17807560	3.1289583	21	3 12.4	20.0
201355 2002 TM_{223}	15.3	X	125.69677	353.66283	40.34213	7.24284	0.1594489	0.17751441	3.1355494	21	2 24.9	20.1
201356 2002 TN_{224}	15.0	X	148.24168	315.55100	29.67056	9.63892	0.0682427	0.17366868	3.1816694	21	1 11.4	19.8
201357 2002 TD_{231}	15.0	X	164.23371	238.23897	128.75362	11.84698	0.1560421	0.18289848	3.0737083	21	2 28.2	19.9
201358 2002 TW_{237}	14.8	X	134.55467	117.09957	246.85180	20.61315	0.0201089	0.17480890	3.1678189	21	1 6.2	19.5
201359 2002 TT_{240}	15.1	X	232.59076	264.01922	101.43875	13.52049	0.1511402	0.18943130	3.0026282	21	5 1.2	20.1
201360 2002 TO_{242}	14.6	X	310.88611	303.10463	218.11472	20.87115	0.0710073	0.16955082	3.2329783	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
201361 2002 TX_{242}	15.5	X	89.00708	233.65122	199.84560	4.86401	0.1751255	0.17626398	3.1503611	21	2 27.2	19.7
201362 2002 TB_{248}	15.7	X	88.44618	349.47214	49.22114	2.48160	0.1376146	0.17361825	3.1822855	21	1 12.2	19.9
201363 2002 TG_{252}	15.7	X	88.24260	303.60693	128.29512	5.07483	0.2348305	0.17651790	3.1473392	21	3 7.9	19.8
201364 2002 TU_{252}	14.8	X	348.06534	224.57764	248.75222	3.45818	0.1320895	0.16549279	3.2856150	21	—	—
201365 2002 TA_{265}	15.9	X	221.56339	92.28624	208.94313	4.18966	0.1416839	0.18161586	3.0881629	21	1 30.2	20.9
201366 2002 TX_{266}	14.8	X	98.79861	22.77158	64.89687	15.41304	0.1549893	0.17511979	3.1640687	21	4 4.5	19.5
201367 2002 TY_{267}	15.2	X	81.47846	34.13678	1.37846	13.49611	0.0925173	0.17157337	3.2075206	21	—	—
201368 2002 TS_{270}	15.0	X	278.36704	38.92368	225.36176	9.43224	0.0408957	0.18240459	3.0792542	21	2 18.9	19.6
201369 2002 TA_{278}	15.0	X	181.19874	130.76299	274.11201	9.01571	0.0856085	0.18719002	3.0265481	21	4 21.7	19.8
201370 2002 TY_{290}	15.3	X	130.62548	120.82488	245.11704	10.72082	0.2345313	0.17466548	3.1695528	21	1 29.9	20.4
201371 2002 TP_{321}	16.1	X	201.07840	39.75300	331.93459	1.17159	0.1048664	0.18853391	3.0121487	21	4 4.3	20.9
201372 Sheldon	16.0	X	145.52561	169.20549	194.20519	16.95774	0.1596582	0.18132149	3.0915043	21	2 1.5	21.1
201373 2002 TU_{375}	15.8	X	108.46662	71.35360	4.76673	8.16791	0.1343858	0.18220520	3.0815002	21	3 21.6	20.1
201374 2002 TM_{381}	16.5	X	60.96619	71.96436	174.30922	2.10295	0.0100507	0.20118216	2.8845390	21	8 7.2	20.4
201375 2002 UE_{5}	15.5	X	210.83281	269.33240	51.31683	8.55435	0.2520603	0.18331360	3.0690662	21	2 15.9	21.0
201376 2002 UN_{5}	15.5	X	161.71878	307.22034	46.21758	16.59781	0.1946143	0.17925548	3.1152130	21	2 18.9	20.9
201377 2002 UN_{15}	14.7	X	128.81622	133.66836	201.56779	20.61566	0.0747936	0.16849484	3.2464719	21	—	—
201378 2002 UO_{15}	14.9	X	185.67404	242.78828	72.31335	17.17060	0.2059500	0.17691878	3.1425830	21	1 20.8	20.4
201379 2002 UY_{28}	14.3	X	33.86243	12.55127	82.70916	11.32532	0.1056764	0.17059313	3.2197960	21	—	—
201380 2002 UE_{34}	15.2	X	91.01080	33.87355	75.00769	18.16167	0.1910863	0.17918665	3.1160107	21	4 25.7	19.8
201381 2002 UJ_{39}	15.3	X	123.56290	332.97149	134.67910	2.72124	0.1996773	0.18289011	3.0738020	21	5 23.5	20.2
201382 2002 UA_{49}	15.3	X	151.78681	271.90067	89.98555	16.87139	0.2510557	0.17710652	3.1403618	21	2 21.9	20.8
201383 2002 UT_{61}	15.5	X	135.81157	215.56860	207.70809	13.94127	0.1075544	0.18713645	3.0271257	21	3 30.9	20.0
201384 2002 UT_{71}	15.2	X	265.32960	37.47392	236.01774	7.04997	0.1427331	0.18021594	3.1041349	21	2 5.9	20.1
201385 2002 VB_{6}	16.0	X	163.48700	340.09717	82.24464	2.60195	0.1535999	0.18474282	3.0532169	21	5 2.2	20.9
201386 2002 VN_{9}	14.8	X	58.72754	270.54947	237.15764	20.39290	0.2743196	0.17775258	3.1327478	21	5 4.2	18.6
201387 2002 VV_{14}	15.2	X	77.21969	77.20820	297.50473	4.15110	0.0341297	0.16731857	3.2616695	21	—	—
201388 2002 VW_{16}	15.1	X	61.23967	200.22824	244.00489	9.72324	0.1363472	0.17225080	3.1991054	21	1 25.3	19.3
201389 2002 VB_{19}	15.5	X	107.78254	6.66730	96.81644	2.34725	0.1630522	0.18061658	3.0995428	21	4 27.9	19.9
201390 2002 VD_{21}	15.2	X	131.19383	80.19733	318.30379	7.45930	0.1376933	0.17844362	3.1246547	21	2 28.5	19.9
201391 2002 VY_{24}	15.1	X	218.02110	12.79737	326.51667	8.70415	0.0734754	0.18360956	3.0657673	21	3 12.7	19.8
201392 2002 VC_{41}	15.1	X	146.31012	317.62277	84.03016	11.23348	0.1067736	0.18323974	3.0698909	21	3 23.7	19.9
201393 2002 VN_{41}	15.0	X	172.40834	92.84237	259.55498	8.78514	0.1910536	0.17826599	3.1267300	21	2 15.2	20.3
201394 2002 VG_{52}	15.0	X	130.25830	285.05299	56.29975	15.93797	0.2283621	0.17221258	3.1995787	21	1 5.1	20.1
201395 2002 VS_{53}	15.0	X	71.88779	320.09773	101.74127	11.67860	0.1454058	0.17096781	3.2150901	21	1 18.7	19.0
201396 2002 VN_{61}	15.0	X	179.71375	84.85461	229.62379	23.76370	0.2102861	0.17502565	3.1652031	21	1 8.6	20.7
201397 2002 VR_{68}	15.5	X	44.90812	18.02492	307.44837	8.71197	0.1595390	0.20974756	2.8054644	21	11 17.7	19.4
201398 2002 VH_{71}	15.9	X	206.25382	295.13780	89.90323	4.25080	0.1712770	0.18723944	3.0260156	21	4 26.1	20.9
201399 2002 VT_{72}	15.8	X	201.75422	307.39690	103.01071	6.19224	0.1325809	0.18859715	3.0114753	21	5 23.2	20.7
201400 2002 VW_{77}	15.8	X	207.89945	250.05310	123.38218	6.55620	0.2553753	0.18635208	3.0356140	21	4 13.6	21.2
201401 2002 VE_{85}	15.7	X	90.06577	273.81983	136.55686	11.03791	0.1580699	0.17461296	3.1701884	21	1 30.5	19.9
201402 2002 VA_{89}	15.2	X	93.32593	58.85763	32.18456	14.46202	0.2127565	0.17617940	3.1513693	21	4 5.3	19.7
201403 2002 VJ_{89}	14.4	X	74.46745	337.23044	88.17595	22.62835	0.0716129	0.17002846	3.2269207	21	1 18.1	18.9
201404 2002 VE_{90}	15.1	X	137.43533	326.80591	63.16038	8.68929	0.0862856	0.17685738	3.1433103	21	2 25.2	19.9
201405 2002 VM_{95}	15.4	X	92.44688	240.21067	174.06353	5.48142	0.1628550	0.17387383	3.1791662	21	2 7.3	19.6
201406 2002 VZ_{97}	16.0	X	98.38649	16.71442	82.83088	2.34223	0.1935402	0.17767713	3.1336347	21	4 16.8	20.4
201407 2002 VK_{118}	14.3	X	190.92445	53.54619	276.01657	20.80016	0.1406373	0.17928465	3.1148751	21	1 30.9	19.6
201408 2002 VL_{118}	14.6	X	85.05579	126.17827	280.25446	21.09602	0.1013050	0.17188535	3.2036382	21	1 10.5	18.9
201409 2002 VF_{141}	15.5	X	167.78710	168.72264	290.15615	7.46191	0.0515658	0.19056784	2.9906779	21	6 15.8	19.8
201410 2002 WB	14.9	X	131.91109	116.51044	324.69127	16.82372	0.3356935	0.17801362	3.1296845	21	5 2.9	20.7
201411 2002 WY_{3}	15.5	X	94.49920	18.67033	91.92884	6.19805	0.1129532	0.17801002	3.1297267	21	4 16.3	19.9
201412 2002 WF_{6}	15.4	X	73.71557	93.25746	313.56161	3.85313	0.1338734	0.16936619	3.2353274	21	1 1.8	19.5
201413 2002 WC_{14}	15.2	X	154.32362	342.90257	106.03069	11.13214	0.0415254	0.18463465	3.0544094	21	5 20.9	19.7
201414 2002 XT	15.4	X	147.40241	22.12587	93.62643	5.47979	0.1105955	0.18687979	3.0298967	21	6 17.9	20.0
201415 2002 XH_{13}	15.4	X	63.34135	355.88227	115.70048	2.76563	0.1667461	0.17322092	3.1871499	21	3 11.8	19.2
201416 2002 XV_{15}	14.7	X	45.26061	215.06962	272.38138	18.02682	0.1615160	0.17371342	3.1811231	21	2 18.7	18.8
201417 2002 XD_{32}	14.7	X	152.32568	90.03610	274.22891	12.78826	0.2159276	0.17496084	3.1659847	21	2 12.8	20.1
201418 2002 XR_{33}	15.2	X	154.04615	141.91236	278.90785	10.97184	0.1136674	0.18210258	3.0826578	21	4 13.7	20.2
201419 2002 XE_{42}	14.6	X	71.82569	213.24095	292.30889	15.75365	0.1685900	0.17775839	3.1326796	21	4 30.3	19.0
201420 2002 XG_{56}	14.9	X	171.33889	79.84074	296.24893	8.47056	0.1126368	0.17976997	3.1092666	21	3 9.4	19.8
201421 2002 XA_{58}	14.8	X	25.43260	106.38173	62.36625	14.93527	0.1801211	0.17327317	3.1865091	21	3 28.2	18.6
201422 2002 XE_{90}	15.2	X	146.36704	322.61228	113.13179	14.62451	0.1091752	0.18059602	3.0997781	21	5 4.5	20.2
201423 2002 XF_{116}	16.4	X	141.12760	38.61206	166.24489	0.79716	0.1578716	0.18821052	3.0155981	21	10 1.9	21.4
201424 2002 YQ_{7}	16.8	X	186.23381	213.71317	273.39668	6.23368	0.0626847	0.29791827	2.2202640	21	8 14.4	19.7
201425 2002 YP_{14}	16.6	X	20.51345	60.32612	298.73030	6.70085	0.1021179	0.30759031	2.1734732	21	12 12.3	18.9
201426 2003 AG_{14}	15.2	X	159.02608	276.40445	117.74938	13.52579	0.1095263	0.17712337	3.1401626	21	3 28.2	20.3
201427 2003 AM_{28}	17.0	X	305.44097	290.67951	133.49739	5.76984	0.0668096	0.30519103	2.1848496	21	11 10.9	19.2
201428 2003 AQ_{56}	17.1	X	318.62951	57.17896	19.07908	3.38340	0.0529037	0.30866277	2.1684357	21	12 19.7	19.3
201429 2003 AH_{66}	14.9	X	101.12129	159.36594	343.23388	17.87097	0.0685999	0.17774468	3.1328406	21	5 19.8	19.7
201430 2003 AK_{66}	15.0	X	134.24144	116.36968	323.73324	18.23806	0.0924232	0.17724442	3.1387328	21	4 9.7	20.0
201431 2003 BZ_{34}	16.6	X	15.67605	74.35004	278.67090	4.60735	0.1300081	0.30572117	2.1823230	21	11 29.9	18.8
201432 2003 BS_{43}	17.6	X	268.11835	32.50668	95.52345	3.61631	0.1259612	0.30610459	2.1805003	21	12 3.6	19.4
201433 2003 BB_{52}	16.9	X	201.75445	228.94186	333.53755	5.22258	0.0916171	0.30568237	2.1825077	21	12 17.0	19.6
201434 2003 BD_{56}	16.8	X	109.57804	193.03949	322.40311	6.87900	0.1013561	0.28666730	2.2779837	21	6 24.7	19.8
201435 2003 BQ_{89}	17.6	X	150.45326	77.63584	109.22190	0.86580	0.0994323	0.29396722	2.2401139	21	9 26.2	20.6
201436 2003 DX_{1}	17.0	X	286.90412	180.22946	50.92494	2.91109	0.1354071	0.26609851	2.3939096	21	—	—
201437 2003 DN_{19}	17.0	X	115.38471	275.05425	307.12742	1.50654	0.1136068	0.29397401	2.2400795	21	10 4.3	19.9
201438 2003 EQ_{20}	16.5	X	65.52589	244.40769	356.09570	7.46567	0.0828057	0.28760046	2.2730535	21	8 24.8	19.0
201439 2003 EU_{23}	16.9	X	1.14961	150.90243	70.66839	2.75486	0.1920487	0.27492453	2.3423964	21	3 23.4	18.7
201440 2003 EU_{26}	16.3	X	44.53875	239.96837	354.01795	7.74647	0.0642230	0.28458986	2.2890561	21	7 8.3	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
201441 2003 EE_{27}	16.7	X	315.05424	256.03670	346.02717	5.31662	0.1935801	0.27044093	2.3682148	21	2 4.2	19.9
201442 2003 EQ_{34}	16.7	X	77.92193	298.90877	291.99438	4.01229	0.1825149	0.28657306	2.2784831	21	9 8.8	19.7
201443 2003 EO_{35}	16.3	X	115.71409	259.64380	299.29650	6.92980	0.0722046	0.28961416	2.2625049	21	8 27.6	19.2
201444 2003 EZ_{44}	17.5	X	221.79769	274.49004	286.83875	3.78667	0.1184767	0.30651215	2.1785670	21	—	—
201445 2003 FH_{15}	17.0	X	51.16178	6.03866	204.35335	4.82133	0.1216744	0.28024555	2.3126517	21	6 19.9	19.3
201446 2003 FM_{48}	17.3	X	125.03470	219.99597	1.04616	3.04089	0.0766418	0.29207325	2.2497876	21	10 11.4	20.4
201447 2003 FQ_{50}	17.0	X	211.56095	203.80765	245.62847	4.05280	0.0861049	0.28895577	2.2659403	21	7 22.9	20.1
201448 2003 FE_{53}	16.9	X	154.53095	325.00363	232.22611	6.01355	0.1226476	0.29295357	2.2452783	21	10 12.3	20.3
201449 2003 FY_{58}	17.1	X	272.12357	44.09464	229.47559	4.47563	0.2139055	0.26613830	2.3936710	21	1 26.4	20.9
201450 2003 FT_{63}	17.2	X	100.40336	103.58260	114.55631	2.96249	0.0808911	0.28844162	2.2686322	21	9 8.9	20.0
201451 2003 FU_{65}	16.8	X	98.11443	73.94562	133.24984	4.05430	0.1305232	0.28637763	2.2795195	21	8 27.2	19.7
201452 2003 FJ_{68}	16.6	X	89.97824	128.30635	63.40738	4.81994	0.0958630	0.28330345	2.2959802	21	7 20.3	19.4
201453 2003 FV_{73}	17.0	X	318.54330	190.60134	48.06675	2.65600	0.1306660	0.26866490	2.3786403	21	2 14.1	20.0
201454 2003 FM_{74}	16.3	X	45.19068	0.56372	256.55965	6.88438	0.1029587	0.28316067	2.2967519	21	8 15.1	18.8
201455 2003 FU_{78}	16.7	X	339.04335	49.93808	206.80284	4.72988	0.1964798	0.27348682	2.3505985	21	3 30.0	18.8
201456 2003 FX_{79}	16.3	X	140.74975	169.99267	124.19164	2.70160	0.3998773	0.24508398	2.5288677	21	—	—
201457 2003 FC_{92}	17.0	X	99.96959	107.74404	92.61395	3.33083	0.0954438	0.28546054	2.2843992	21	8 15.6	19.8
201458 2003 FV_{96}	17.8	X	284.80463	260.40859	192.24556	0.75688	0.0728453	0.29996773	2.2101395	21	11 14.6	19.8
201459 2003 FG_{97}	16.6	X	304.15730	325.43838	273.63871	3.98257	0.1606295	0.26689481	2.3891457	21	1 21.7	19.9
201460 2003 FJ_{99}	16.8	X	9.43523	134.92950	114.78410	3.79040	0.1334696	0.27877452	2.3207802	21	5 31.4	18.7
201461 2003 FD_{101}	17.3	X	131.14887	153.66732	23.46976	3.44158	0.0958672	0.28822012	2.2697944	21	8 22.2	20.4
201462 2003 FZ_{103}	16.4	X	266.21318	101.91668	210.73924	6.05880	0.1358340	0.27193600	2.3595268	21	3 16.4	19.9
201463 2003 FC_{108}	16.4	X	11.60510	18.57674	246.68938	6.60923	0.1506986	0.28087942	2.3091711	21	7 1.1	18.2
201464 2003 FV_{108}	16.8	X	214.92427	81.61673	78.98790	6.66558	0.0778064	0.29935805	2.2131393	21	11 9.1	19.5
201465 2003 FB_{119}	17.3	X	72.78944	72.00998	122.25903	1.87298	0.1458927	0.28056943	2.3108716	21	7 6.1	19.7
201466 2003 FG_{120}	17.0	X	351.46463	256.95296	13.15583	4.21631	0.1836157	0.27894443	2.3198376	21	5 18.9	18.7
201467 2003 FQ_{121}	16.5	X	359.52114	340.23595	224.83440	6.63098	0.0900337	0.27334651	2.3514028	21	3 2.6	19.1
201468 2003 FL_{130}	16.8	X	49.45236	93.90003	194.14130	12.27965	0.2594261	0.23397856	2.6082668	21	10 29.1	20.2
201469 2003 GQ_{1}	16.7	X	340.30460	241.91835	24.95327	2.10880	0.1955138	0.27521027	2.3407748	21	4 18.0	18.5
201470 2003 GP_{17}	17.1	X	96.94958	10.91762	208.39209	2.64372	0.1099260	0.28765011	2.2727920	21	9 7.5	20.0
201471 2003 GV_{18}	17.7	X	342.57193	217.12057	13.84550	2.78143	0.1327632	0.27176803	2.3604989	21	3 10.2	20.0
201472 2003 GZ_{19}	16.8	X	296.38854	241.22663	3.41931	1.88781	0.1617025	0.26720257	2.3873108	21	1 21.1	20.1
201473 2003 GV_{22}	16.9	X	315.91758	208.40852	49.65622	3.07504	0.1594290	0.26921351	2.3754077	21	3 4.6	19.8
201474 2003 GN_{27}	16.9	X	192.93926	270.35190	1.50961	3.85698	0.0910904	0.25542802	2.4601241	21	—	—
201475 2003 GV_{28}	17.0	X	194.70273	100.34878	78.66587	4.27172	0.1356022	0.29641013	2.2277888	21	11 2.1	20.0
201476 2003 GS_{34}	16.9	X	137.35028	67.30377	85.25751	7.37529	0.0670986	0.28448163	2.2896366	21	7 23.0	19.9
201477 2003 GN_{37}	16.7	X	344.15632	50.91894	222.42372	2.27875	0.1483170	0.27629423	2.3346485	21	5 13.9	18.8
201478 2003 GT_{37}	16.9	X	102.35305	9.45269	199.79373	5.54825	0.0443967	0.28672737	2.2776655	21	8 21.3	19.8
201479 2003 GX_{49}	16.2	X	313.14386	235.77580	53.48586	7.07624	0.0897892	0.27456485	2.3444416	21	4 24.1	18.9
201480 2003 GF_{54}	16.3	X	328.45974	238.07583	103.79060	7.03489	0.1440570	0.28459345	2.2890369	21	8 4.7	18.1
201481 2003 HG_{1}	16.4	X	265.31102	189.01461	78.49832	3.53263	0.1875134	0.26185534	2.4197013	21	1 17.3	20.1
201482 2003 HU_{4}	16.8	X	161.97566	189.39644	131.97948	6.63182	0.1213989	0.25501114	2.4628045	21	—	—
201483 2003 HT_{7}	17.1	X	338.12622	38.57322	189.93397	1.14535	0.1348539	0.26900280	2.3766479	21	2 26.4	19.5
201484 2003 HC_{13}	16.5	X	18.73294	150.05026	75.42422	7.75842	0.0764185	0.27451924	2.3447013	21	5 11.9	18.9
201485 2003 HE_{20}	16.6	X	347.61920	25.70409	208.26859	3.50323	0.1114079	0.27156827	2.3616563	21	3 24.8	19.1
201486 2003 HX_{21}	17.1	X	6.21703	88.02091	155.71795	2.66103	0.1872385	0.27470764	2.3436291	21	5 12.8	18.7
201487 2003 HA_{36}	16.3	X	30.58516	229.54354	70.93977	8.35300	0.1976194	0.23127586	2.6285476	21	10 11.1	19.4
201488 2003 HJ_{39}	17.1	X	49.86024	339.15784	253.69016	1.43030	0.1806259	0.27965444	2.3159094	21	8 2.1	19.4
201489 2003 HT_{39}	16.7	X	133.46346	208.47575	77.13892	2.90899	0.1996695	0.24309663	2.5426315	21	—	—
201490 2003 HX_{51}	15.9	X	19.65217	76.97291	184.65806	11.42748	0.1359767	0.22405596	2.6847162	21	7 10.1	19.0
201491 2003 HG_{53}	16.6	X	91.04758	250.48094	306.45509	7.68397	0.0364093	0.28153076	2.3056081	21	7 19.2	19.3
201492 2003 HZ_{53}	16.8	X	263.43148	77.04753	195.86914	2.23831	0.1726657	0.26396887	2.4067681	21	1 21.8	20.6
201493 2003 JL_{1}	16.5	X	326.46866	122.53797	99.38612	3.43327	0.1302287	0.26579713	2.3957189	21	2 2.4	19.4
201494 2003 JM_{1}	16.7	X	256.82070	183.45628	105.62887	3.85281	0.1650883	0.26287218	2.4134573	21	2 6.4	20.3
201495 2003 JO_{3}	15.6	X	9.49262	240.39340	39.08970	5.52990	0.1488853	0.17176712	3.2051082	21	7 19.5	19.3
201496 2003 JS_{4}	17.0	X	269.59767	158.26895	95.31074	3.30325	0.1628317	0.26146163	2.4221298	21	1 5.6	20.8
201497 Marcelroche	15.7	X	140.59121	112.05735	166.88353	12.37284	0.2869475	0.24140373	2.5545048	21	—	—
201498 2003 KN_{9}	16.6	X	154.40719	326.56814	276.62536	8.20429	0.1714396	0.29567388	2.2314855	21	12 10.7	20.1
201499 2003 KV_{18}	16.7	X	37.07521	196.39413	13.60027	4.10882	0.1351737	0.27360000	2.3499502	21	5 23.9	18.9
201500 2003 LV_{2}	15.6	X	256.89512	332.76859	66.72947	15.66195	0.0520353	0.21790474	2.7350059	21	7 16.7	19.6
201501 2003 LV_{4}	15.5	X	49.96713	204.88067	130.61649	14.18100	0.2258364	0.23066722	2.6331694	21	12 22.7	19.4
201502 2003 MK_{3}	15.6	X	116.27584	204.58232	91.85163	7.01883	0.1622828	0.23799120	2.5788660	21	—	—
201503 2003 MR_{5}	15.6	X	330.38896	184.79725	134.65014	9.18951	0.2192876	0.21788078	2.7352064	21	6 21.5	18.4
201504 2003 MW_{9}	15.7	X	88.79633	68.20292	288.87013	23.35925	0.2922706	0.23891441	2.5722183	21	—	—
201505 2003 MD_{13}	16.1	X	109.89590	107.89828	185.41790	3.04908	0.2004745	0.23627293	2.5913540	21	12 25.1	20.4
201506 2003 NQ	16.4	X	182.93362	322.71807	289.61811	3.31465	0.2225449	0.24332541	2.5410375	21	—	—
201507 2003 NC_{8}	15.4	X	348.16227	47.74465	313.16730	14.85009	0.2870016	0.22222918	2.6994088	21	10 2.9	17.8
201508 2003 OD_{1}	14.1	X	281.18949	129.27429	268.81717	24.39343	0.2283344	0.21428293	2.7657378	21	7 13.6	18.1
201509 2003 OP_{5}	15.5	X	92.83844	23.38443	291.03301	12.20453	0.1564888	0.23539311	2.5978070	21	—	—
201510 2003 OT_{5}	15.7	X	122.14155	205.25204	93.34403	8.04209	0.1196244	0.23799391	2.5788465	21	—	—
201511 2003 OY_{5}	16.4	X	72.25874	75.82805	239.19790	3.01724	0.2609751	0.23166180	2.6256274	21	12 22.8	20.5
201512 2003 OF_{9}	16.4	X	143.67359	26.97582	261.97700	14.38576	0.0995428	0.23883289	2.5728035	21	—	—
201513 2003 OU_{15}	15.9	X	25.58135	101.41716	278.32564	10.51667	0.2149316	0.22946092	2.6423899	21	—	—
201514 2003 OV_{19}	15.4	X	358.30322	43.52808	279.40273	11.91189	0.1699400	0.22000499	2.7175718	21	8 25.5	18.3
201515 2003 OS_{21}	15.8	X	31.32015	126.88867	281.38682	3.61118	0.2115764	0.23632877	2.5909458	21	—	—
201516 2003 OE_{29}	15.9	X	34.47232	11.86813	341.95866	7.33491	0.0451950	0.22917181	2.6446117	21	11 27.5	19.5
201517 2003 OF_{29}	16.5	X	90.29462	307.79450	73.43934	2.66379	0.1048319	0.24069052	2.5595487	21	—	—
201518 2003 OH_{29}	16.0	X	122.83774	248.06124	125.39580	6.27991	0.1547592	0.24400857	2.5362925	21	1 11.7	19.3
201519 2003 OV_{31}	16.4	X	334.28033	19.06024	252.45583	6.09320	0.0917840	0.26587739	2.3952368	21	4 29.8	19.0
201520 2003 PD_{4}	16.5	X	73.21048	147.64377	157.86804	5.11625	0.2558611	0.22969559	2.6405898	21	12 12.2	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
201521 2003 QX_1	15.6	X	123.06192	245.42351	191.68857	1.58525	0.0914034	0.19750690	2.9202130	21	4 1.0	19.7
201522 2003 QC_2	16.7	X	34.01214	227.00641	167.64528	0.21497	0.1270835	0.23245982	2.6196149	21	—	—
201523 2003 QX_8	16.2	X	314.23373	63.59723	269.29667	3.87555	0.1682677	0.21379092	2.7699795	21	6 18.1	19.3
201524 2003 QX_{11}	16.1	X	229.35714	228.00870	138.66818	7.12270	0.1662410	0.25926003	2.4358227	21	4 21.1	20.0
201525 2003 QY_{12}	16.4	X	323.74193	176.56973	118.76989	5.03202	0.1423694	0.26617967	2.3934230	21	5 13.1	19.0
201526 2003 QZ_{17}	15.5	X	350.18245	350.92700	351.60527	8.94739	0.1366022	0.22008629	2.7169025	21	9 12.9	18.4
201527 2003 QT_{18}	15.5	X	44.14436	326.40970	348.53976	13.27757	0.1170554	0.22454425	2.6808227	21	10 26.9	19.2
201528 2003 QL_{20}	15.7	X	5.58849	275.36785	90.95031	6.25732	0.0965378	0.22424934	2.6831725	21	11 11.9	19.0
201529 2003 QS_{24}	15.9	X	57.07702	104.89324	201.93435	6.95447	0.1082028	0.22436190	2.6822750	21	11 7.7	19.5
201530 2003 QL_{25}	16.4	X	189.03000	332.35496	297.36631	5.35973	0.2504408	0.24365662	2.5387342	21	—	—
201531 2003 QE_{39}	15.0	X	338.72820	31.00037	341.11252	10.55864	0.2899861	0.22021010	2.7158841	21	9 28.1	16.8
201532 2003 QM_{49}	17.0	X	14.05951	157.02884	160.33207	7.05164	0.2972746	0.22166468	2.7039898	21	10 17.6	19.4
201533 2003 QY_{50}	16.3	X	100.96081	213.81058	113.25372	3.83699	0.1382302	0.23352480	2.6116444	21	—	—
201534 2003 QV_{61}	15.5	X	308.35747	180.22969	156.37831	10.16280	0.1613337	0.21017284	2.8016787	21	6 15.8	19.1
201535 2003 QV_{62}	15.9	X	182.49128	319.37123	41.36933	3.08405	0.0916105	0.19506227	2.9445609	21	3 4.6	20.4
201536 2003 QG_{67}	15.6	X	3.91435	321.49455	20.47584	13.48291	0.1322313	0.22006901	2.7170447	21	10 8.5	18.5
201537 2003 QA_{71}	15.6	X	288.55644	321.52344	90.22245	6.40764	0.0569697	0.21930488	2.7233524	21	9 16.4	19.2
201538 2003 QC_{73}	14.9	X	84.98965	192.26144	185.60127	16.74265	0.2253114	0.18170820	3.0871166	21	—	—
201539 2003 QA_{75}	16.2	X	356.20286	130.54774	201.75819	4.39164	0.1180683	0.21949013	2.7218199	21	9 7.1	19.2
201540 2003 QE_{76}	16.2	X	79.23403	150.20210	270.13289	4.11913	0.2261046	0.24284942	2.5443567	21	1 18.9	18.5
201541 2003 QH_{95}	15.5	X	317.88822	247.90902	97.67931	10.02438	0.1981934	0.21394391	2.7686587	21	7 8.4	18.4
201542 2003 QF_{96}	15.3	X	320.34642	258.81073	120.00274	13.53462	0.2265540	0.21792134	2.7348669	21	9 1.5	18.0
201543 2003 QU_{100}	16.1	X	87.88679	135.74113	178.67165	10.40634	0.0733169	0.23242695	2.6198619	21	12 19.8	20.0
201544 2003 QY_{100}	16.0	X	330.63871	174.61162	196.39193	5.54060	0.0510813	0.22152619	2.7051167	21	9 19.6	19.4
201545 2003 QF_{103}	15.4	X	289.37313	293.74374	53.55163	12.47733	0.1609149	0.21021116	2.8013382	21	5 31.5	19.2
201546 2003 QT_{103}	15.9	X	26.08514	195.45233	131.95054	7.65910	0.1260828	0.22222389	2.6994517	21	10 27.5	19.2
201547 2003 QN_{106}	16.4	X	30.27468	59.42494	321.15252	1.70948	0.2660506	0.22797946	2.6538248	21	—	—
201548 2003 QQ_{110}	16.2	X	152.28603	200.89646	77.63134	4.75294	0.2256326	0.23874152	2.5734600	21	—	—
201549 2003 RN	15.8	X	180.01842	1.52091	263.94991	17.47275	0.1759815	0.23977874	2.5660332	21	—	—
201550 2003 RC_{15}	16.4	X	49.41993	186.57203	262.35043	3.33310	0.1339853	0.24177590	2.5518827	21	—	—
201551 2003 RH_{15}	15.0	X	150.48000	66.56290	220.21228	13.93160	0.2898084	0.18307295	3.0717552	21	—	—
201552 2003 RQ_{16}	15.5	X	354.49630	86.20084	282.23212	13.29514	0.0688014	0.22305074	2.6927763	21	10 17.7	19.1
201553 2003 RD_{17}	16.4	X	25.34243	280.52808	18.94774	3.15420	0.0826332	0.21875785	2.7278906	21	9 9.5	19.7
201554 2003 RG_{17}	16.0	X	231.81514	252.77488	197.57152	4.58116	0.1513363	0.21399372	2.7682291	21	8 7.3	20.2
201555 2003 RY_{18}	15.7	X	305.21973	26.97182	0.92027	6.08181	0.0753761	0.21687338	2.7436701	21	9 3.7	19.0
201556 2003 RZ_{18}	15.8	X	316.94689	242.91133	165.82630	2.93869	0.1820270	0.22031482	2.7150234	21	10 11.9	18.5
201557 2003 RC_{26}	15.6	X	96.19516	108.66015	228.24976	3.65986	0.1053136	0.17517816	3.1633658	21	—	—
201558 2003 RC_{27}	15.8	X	9.65160	268.24341	131.34682	13.06350	0.2776132	0.22564850	2.6720695	21	—	—
201559 2003 SS_2	16.4	X	279.48096	90.19876	312.44563	1.52931	0.1082755	0.21458807	2.7631153	21	8 10.3	20.0
201560 2003 SB_8	16.2	X	18.41463	330.46104	346.92439	3.70919	0.1858449	0.21968365	2.7202213	21	10 4.4	19.0
201561 2003 SX_{10}	16.5	X	323.84233	214.89264	179.63165	4.87041	0.1141441	0.21980437	2.7192251	21	10 9.6	19.5
201562 2003 SF_{13}	16.4	X	74.85380	142.38695	153.76717	3.75819	0.1326929	0.22619518	2.6677624	21	11 19.2	20.3
201563 2003 SK_{16}	16.0	X	260.03103	327.50813	68.15410	4.58944	0.1911271	0.21073411	2.7967018	21	6 25.3	20.0
201564 2003 SW_{16}	15.7	X	10.99809	27.33538	269.14172	3.79724	0.0921884	0.21555860	2.7548153	21	8 11.0	19.0
201565 2003 SQ_{28}	15.6	X	314.31759	120.14554	217.36856	5.20005	0.0647756	0.21099559	2.7943907	21	7 8.6	19.2
201566 2003 SM_{29}	15.8	X	73.90638	2.81847	240.45946	7.77744	0.0716607	0.21496094	2.7599190	21	8 27.2	19.7
201567 2003 SN_{29}	15.0	X	353.13939	148.20664	303.60498	7.67004	0.0559745	0.17762747	3.1342187	21	—	—
201568 2003 SQ_{38}	15.4	X	292.88155	212.07921	232.31469	8.38986	0.2543007	0.21872159	2.7281921	21	10 1.4	18.6
201569 2003 SM_{47}	16.1	X	301.80389	137.30814	294.05005	3.73552	0.1880593	0.22035540	2.7146901	21	10 10.9	19.1
201570 2003 SD_{49}	16.1	X	292.65228	175.29941	205.73853	2.75521	0.1947279	0.21287841	2.7778895	21	7 16.2	19.5
201571 2003 SP_{50}	16.5	X	6.22870	113.47241	252.53221	5.01061	0.0687683	0.22452821	2.6809504	21	11 6.9	19.8
201572 2003 SE_{52}	16.2	X	140.15535	150.76060	150.86804	6.04228	0.1227230	0.23510127	2.5999564	21	—	—
201573 2003 SK_{59}	15.6	X	41.71891	77.44167	257.60793	11.95973	0.1025176	0.22777950	2.6553776	21	11 22.3	19.0
201574 2003 SQ_{61}	16.0	X	5.89821	295.71416	128.57030	5.34144	0.1025899	0.23211338	2.6222209	21	—	—
201575 2003 SX_{65}	15.7	X	2.11302	196.63824	146.97160	6.23871	0.1618695	0.21950826	2.7216700	21	10 11.7	18.6
201576 2003 SX_{69}	16.1	X	312.19945	175.42837	185.19292	3.04158	0.1693636	0.21390422	2.7690012	21	7 23.5	19.4
201577 2003 SR_{70}	15.9	X	307.93475	157.13500	178.79681	18.25093	0.1918179	0.21123868	2.7922464	21	6 9.7	19.8
201578 2003 ST_{71}	15.5	X	235.15623	192.14755	227.88123	7.23589	0.2123645	0.20928141	2.8096288	21	6 28.3	20.1
201579 2003 SA_{80}	16.5	X	118.68146	136.00635	260.62442	3.24771	0.0604509	0.24430394	2.5342477	21	1 21.6	19.8
201580 2003 SC_{80}	16.4	X	327.57643	145.27476	243.36764	3.88724	0.1188425	0.21944597	2.7221851	21	10 5.2	19.4
201581 2003 SS_{80}	15.5	X	64.94183	15.92062	290.89894	12.29447	0.2351306	0.22698526	2.6615683	21	12 2.3	19.6
201582 2003 SX_{85}	15.5	X	292.32674	222.64605	208.19787	7.70304	0.2721809	0.21587257	2.7521435	21	9 8.2	18.8
201583 2003 SJ_{87}	15.7	X	10.65333	304.34372	34.60022	11.34744	0.1535135	0.22080834	2.7109764	21	10 19.1	18.6
201584 2003 SX_{87}	15.5	X	71.70859	24.23541	239.26203	13.39340	0.0959836	0.22070226	2.7118450	21	9 22.8	19.5
201585 2003 SK_{90}	15.6	X	340.95461	323.13521	54.12597	7.36098	0.1572125	0.22039078	2.7143995	21	10 18.2	18.3
201586 2003 SF_{97}	15.6	X	21.32344	312.79639	323.49274	11.28390	0.1442573	0.21326967	2.7744910	21	8 7.4	18.5
201587 2003 SU_{104}	15.8	X	311.37254	17.49678	332.71496	3.69083	0.0851284	0.21185902	2.7867932	21	7 20.8	19.2
201588 2003 SS_{119}	16.1	X	235.87513	103.01990	330.90965	5.97249	0.1466761	0.21148230	2.7901017	21	7 24.5	20.4
201589 2003 SU_{120}	15.8	X	291.84049	50.38652	18.26945	13.67009	0.0754906	0.22090379	2.7101954	21	10 8.7	19.1
201590 2003 SZ_{127}	15.5	X	167.33445	2.28656	10.20925	10.79520	0.1062785	0.19204197	2.9753538	21	3 6.2	20.1
201591 2003 SU_{128}	16.0	X	291.29530	133.66373	280.05328	4.84059	0.0362022	0.21682530	2.7440757	21	9 19.1	19.7
201592 2003 SE_{129}	16.0	X	329.27189	20.23637	356.03787	4.71978	0.1667742	0.21870659	2.7283169	21	9 19.5	18.7
201593 2003 SX_{139}	16.0	X	256.99270	80.51404	354.94718	2.10344	0.0548088	0.21563473	2.7541668	21	9 1.6	19.8
201594 2003 SZ_{143}	15.9	X	309.01975	106.09388	244.29717	3.31140	0.0836218	0.21086014	2.7955873	21	7 16.2	19.3
201595 2003 SC_{146}	15.6	X	300.67002	136.68494	260.08880	8.08571	0.1432451	0.21501074	2.7594929	21	8 24.7	19.0
201596 2003 ST_{148}	16.1	X	257.21469	82.79737	284.73218	1.66405	0.0861260	0.20488001	2.8497252	21	5 29.7	20.1
201597 2003 SV_{151}	16.3	X	102.65864	288.57441	76.25757	5.90036	0.0915850	0.23806454	2.5783364	21	—	—
201598 2003 SA_{155}	15.7	X	337.96692	64.11440	300.35068	4.46009	0.0793559	0.21720660	2.7408632	21	9 19.4	19.0
201599 2003 SH_{164}	16.1	X	309.26526	23.26393	11.01260	1.54749	0.0521968	0.21554484	2.7549325	21	9 19.7	19.6
201600 2003 SR_{174}	16.3	X	324.72974	51.50435	356.60586	5.62220	0.0447982	0.22310827	2.6923134	21	10 30.2	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
201601 2003 SU_{174}	16.5	X	331.82107	44.65083	281.98829	0.62328	0.1339227	0.21335336	2.7737654	21	7 15.3	19.3
201602 2003 SU_{187}	16.2	X	326.57059	86.38257	298.42616	5.15737	0.0647935	0.22060229	2.7126642	21	9 29.5	19.6
201603 2003 SC_{190}	15.1	X	257.95315	306.31529	45.87608	15.70953	0.1612335	0.20518466	2.8469038	21	5 2.9	19.5
201604 2003 SW_{192}	15.4	X	32.05743	17.95533	269.52472	7.83251	0.0444093	0.21399838	2.7681889	21	8 24.2	19.1
201605 2003 SZ_{195}	15.8	X	356.35873	16.42664	277.18613	2.98075	0.0817744	0.20913211	2.8109658	21	7 13.9	19.2
201606 2003 SC_{196}	15.5	X	111.02986	22.86749	266.07427	7.79073	0.0249000	0.22527181	2.6750474	21	12 9.0	19.2
201607 2003 SG_{196}	15.5	X	320.83288	62.12883	222.01409	14.36123	0.1297230	0.20289550	2.8682771	21	4 28.4	19.0
201608 2003 SK_{198}	15.9	X	357.20171	42.45078	305.11891	7.55644	0.2263203	0.21875777	2.7278913	21	10 5.8	18.4
201609 2003 SS_{201}	15.7	X	319.85079	314.87095	27.72491	8.40842	0.1799704	0.21117774	2.7927836	21	7 12.1	19.0
201610 2003 SA_{202}	16.1	X	38.38859	205.92481	118.79483	2.75316	0.0958281	0.22206137	2.7007686	21	11 4.1	19.5
201611 2003 SP_{203}	16.6	X	292.66492	2.17550	17.88019	4.06833	0.1236340	0.21381953	2.7697323	21	7 28.6	20.1
201612 2003 SB_{205}	15.6	X	355.06726	279.96020	23.80169	13.99132	0.1945315	0.21217070	2.7840633	21	8 1.7	18.6
201613 2003 SQ_{212}	15.3	X	24.95871	190.67724	130.78969	13.13359	0.1928363	0.22275637	2.6951480	21	10 30.3	18.7
201614 2003 SN_{217}	16.3	X	302.33341	289.74584	50.96623	2.31865	0.0672097	0.20735043	2.8270452	21	6 25.9	19.8
201615 2003 SV_{220}	15.1	X	205.88133	287.92371	46.32816	12.90273	0.2375996	0.19157938	2.9801415	21	3 1.6	20.5
201616 2003 ST_{226}	16.2	X	119.67565	11.35690	356.38657	1.93378	0.2041990	0.18306556	3.0718378	21	1 20.5	20.6
201617 2003 SB_{233}	15.8	X	304.38182	243.72630	143.24714	4.75368	0.1051460	0.21518714	2.7579846	21	8 27.2	19.0
201618 2003 SN_{233}	16.2	X	60.34268	37.74747	68.86043	4.65689	0.1701913	0.24303335	2.5430728	21	2 13.3	18.7
201619 2003 SR_{247}	16.0	X	313.04450	202.72297	168.26887	2.86005	0.1720507	0.21435228	2.7651412	21	8 8.9	19.0
201620 2003 SQ_{248}	15.6	X	145.53794	170.10746	175.30308	12.04862	0.0468449	0.18694066	3.0292390	21	1 1.2	20.2
201621 2003 SJ_{252}	14.5	X	74.97102	327.46562	62.90447	19.15150	0.1543780	0.17564262	3.1577866	21	—	—
201622 2003 SW_{252}	15.6	X	256.87032	129.45318	353.05902	11.25762	0.0218733	0.22476986	2.6790285	21	11 3.3	19.3
201623 2003 SE_{253}	17.0	X	317.96280	139.52452	278.83963	2.41047	0.0802459	0.22344385	2.6896171	21	11 2.4	20.0
201624 2003 SQ_{253}	16.1	X	268.01435	222.69816	226.46290	2.57036	0.1630708	0.21669271	2.7451949	21	9 16.5	19.7
201625 2003 SV_{258}	16.3	X	318.89312	184.90363	176.88876	4.93268	0.0863558	0.21326263	2.7745521	21	8 15.9	19.6
201626 2003 SB_{259}	15.8	X	288.16891	3.55390	20.68976	4.44276	0.1143995	0.21050050	2.7987706	21	7 29.2	19.4
201627 2003 SA_{260}	15.9	X	119.26405	326.98211	21.74846	6.65147	0.1287292	0.23554184	2.5967133	21	—	—
201628 2003 SO_{262}	16.1	X	29.38383	290.54207	27.71246	6.21366	0.0170261	0.21917104	2.7244611	21	10 3.1	19.6
201629 2003 SQ_{262}	16.3	X	284.16092	242.92157	149.35123	4.12653	0.1052936	0.21322592	2.7748705	21	8 2.9	20.0
201630 2003 SU_{266}	16.2	X	279.41292	225.27681	173.40352	4.75857	0.0773493	0.21272826	2.7791965	21	8 8.6	19.9
201631 2003 SG_{271}	15.4	X	327.46037	320.10053	73.66442	10.57324	0.1807801	0.21827274	2.7319309	21	10 16.6	18.2
201632 2003 SS_{277}	15.9	X	73.42522	301.58116	317.18437	6.40749	0.0653005	0.21662150	2.7457965	21	9 16.7	19.7
201633 2003 SY_{279}	16.4	X	254.68650	185.36772	253.28119	3.92742	0.1313351	0.21529211	2.7570880	21	8 20.4	20.4
201634 2003 SQ_{284}	16.3	X	309.62372	45.18167	303.47452	3.58771	0.1845493	0.21266859	2.7797163	21	6 30.4	19.5
201635 2003 SE_{286}	15.6	X	266.70088	12.58782	319.16936	4.67702	0.0305134	0.20089883	2.8872504	21	4 30.9	19.7
201636 2003 SJ_{297}	15.9	X	357.60292	131.46643	187.27517	4.68729	0.1162440	0.21735254	2.7396362	21	8 20.7	19.0
201637 2003 SB_{299}	15.0	X	342.00167	116.28593	341.68547	21.92464	0.1824006	0.17345327	3.1843030	21	—	—
201638 2003 SO_{311}	16.0	X	8.57228	324.32813	22.93625	5.95588	0.0539838	0.21986549	2.7187212	21	10 15.2	19.2
201639 2003 SX_{318}	16.6	X	337.41517	256.36668	76.81673	2.73553	0.1862534	0.21467209	2.7623943	21	8 1.6	19.3
201640 2003 SS_{326}	16.3	X	9.81374	130.48465	220.10324	5.61557	0.0121139	0.22288576	2.6941049	21	10 17.4	19.8
201641 2003 SU_{337}	17.0	X	246.05279	100.28129	359.52927	3.28902	0.0759352	0.21779016	2.7359651	21	9 16.5	20.7
201642 2003 SA_{338}	15.4	X	286.55885	318.04937	96.49537	14.16076	0.0504733	0.21335823	2.7737232	21	9 21.6	19.3
201643 2003 SC_{340}	16.8	X	246.23657	97.63922	346.38203	7.17849	0.1694274	0.21396157	2.7685064	21	8 15.8	20.8
201644 2003 SD_{355}	15.4	X	124.62446	18.10779	326.02619	11.50790	0.0768952	0.18192292	3.0846870	21	—	—
201645 2003 SM_{362}	15.6	X	207.02644	261.77783	6.90848	9.88098	0.1079347	0.18189532	3.0849990	21	—	—
201646 2003 SJ_{376}	16.4	X	48.81060	117.98527	137.53936	0.77551	0.0208400	0.21299844	2.7768458	21	8 5.5	19.9
201647 2003 SS_{429}	16.7	X	241.61103	179.07825	197.11365	1.60554	0.0815900	0.20379883	2.8597951	21	5 23.6	20.9
201648 2003 SF_{430}	16.1	X	22.35588	130.98170	159.81479	2.04379	0.0163990	0.21243674	2.7817385	21	8 15.7	19.6
201649 2003 TX_{1}	16.0	X	110.45706	216.01105	185.14000	11.63282	0.1306502	0.18659065	3.0330260	21	2 5.5	20.4
201650 2003 TS_{3}	16.3	X	26.22417	258.00057	54.33057	3.16784	0.0870164	0.21563476	2.7541666	21	9 28.9	19.7
201651 2003 TA_{7}	15.6	X	97.75416	246.91091	73.20318	14.48261	0.1293956	0.23096164	2.6309311	21	—	—
201652 2003 TE_{8}	15.4	X	201.80217	237.25723	275.57689	8.27069	0.2474806	0.21420854	2.7663780	21	9 15.9	20.3
201653 2003 TZ_{8}	15.7	X	312.26166	352.52077	44.62656	11.78046	0.2829999	0.21708535	2.7418838	21	9 6.0	18.5
201654 2003 TU_{10}	15.5	X	47.22219	27.24950	259.46710	5.88116	0.0158321	0.21610858	2.7501394	21	9 10.4	19.3
201655 2003 TY_{10}	15.8	X	269.04741	175.41200	225.49885	5.18198	0.0264594	0.21072611	2.7967726	21	8 4.3	19.6
201656 2003 TR_{14}	15.3	X	270.42053	15.95956	59.83573	14.56901	0.1687723	0.21354905	2.7720706	21	9 10.6	19.3
201657 2003 TV_{15}	15.7	X	155.75557	321.28860	64.26828	7.27357	0.2105418	0.19183096	2.9775353	21	3 18.5	20.7
201658 2003 TN_{20}	15.3	X	297.33947	218.52032	293.68971	12.21940	0.1893656	0.23085053	2.6317753	21	—	—
201659 2003 TO_{28}	16.4	X	265.12532	79.34817	268.68482	0.99585	0.0767223	0.20381082	2.8596830	21	5 15.4	20.5
201660 2003 TW_{45}	16.2	X	123.63702	307.97150	237.67211	8.16874	0.0883126	0.21018740	2.8015493	21	8 14.9	20.5
201661 2003 UU_{3}	16.1	X	315.49027	78.86831	353.04944	4.67594	0.1605254	0.22164728	2.7041313	21	11 11.1	19.0
201662 2003 UA_{9}	15.4	X	331.15292	293.61400	97.43556	25.93592	0.2863156	0.21753925	2.7380684	21	10 28.9	18.2
201663 2003 UB_{12}	16.2	X	80.88279	331.35459	59.96034	2.28620	0.1544921	0.17890404	3.1192914	21	—	—
201664 2003 UW_{13}	16.6	X	79.05015	109.72957	300.22713	2.64746	0.1589899	0.23783063	2.5800267	21	—	—
201665 2003 UK_{23}	15.9	X	227.92254	155.51332	266.67635	1.52808	0.0919303	0.20533143	2.8455470	21	7 4.9	20.2
201666 2003 UN_{50}	16.0	X	236.85509	117.15123	246.71465	12.18572	0.2913303	0.20103790	2.8859187	21	4 15.4	21.3
201667 2003 UX_{51}	15.5	X	196.58718	218.15429	263.80164	11.75448	0.1065183	0.20938391	2.8087118	21	8 10.7	20.1
201668 2003 UG_{57}	15.5	X	326.75317	175.21433	231.76398	4.04013	0.1134400	0.21851175	2.7299385	21	10 30.7	18.6
201669 2003 UK_{58}	15.7	X	349.25951	74.81929	298.08993	4.10413	0.0774481	0.21999198	2.7176790	21	10 19.7	19.0
201670 2003 UT_{60}	15.3	X	305.34156	288.83721	86.31828	8.60244	0.1014564	0.21372813	2.7705219	21	8 15.2	18.8
201671 2003 UZ_{70}	15.8	X	219.96351	110.49989	241.35216	8.41912	0.0817128	0.19357686	2.9596050	21	3 27.8	20.4
201672 2003 UK_{73}	16.8	X	258.78852	31.48964	56.40332	1.05328	0.0361717	0.21363587	2.7713195	21	9 23.2	20.3
201673 2003 UK_{77}	15.6	X	207.37091	217.50875	245.76177	12.52532	0.0985452	0.20901688	2.8119988	21	7 30.1	20.1
201674 2003 UH_{80}	16.2	X	19.67720	265.17598	75.47073	5.66827	0.1619686	0.22108583	2.7087075	21	11 7.1	19.3
201675 2003 UV_{81}	16.2	X	270.96949	254.04895	157.48640	3.91425	0.0578145	0.21290068	2.7776958	21	8 18.0	19.9
201676 2003 UC_{85}	16.1	X	9.60332	305.46827	52.88456	5.55465	0.1253081	0.21991903	2.7182799	21	11 8.4	19.2
201677 2003 UY_{86}	15.1	X	158.37499	205.41207	178.91357	10.50574	0.1245138	0.18957372	3.0011242	21	3 9.3	19.7
201678 2003 UH_{88}	15.7	X	4.92860	246.22814	65.54248	4.46764	0.0833109	0.21230360	2.7829013	21	8 25.5	19.0
201679 2003 UT_{88}	15.5	X	331.44463	302.32979	92.09687	15.41649	0.0989973	0.21680445	2.7442516	21	10 29.7	19.0
201680 2003 UJ_{92}	14.8	X	28.75961	67.72627	237.93675	12.98819	0.3146416	0.21933441	2.7231080	21	10 26.9	17.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
201681 2003 UB_{94}	15.9	X	10.74714	122.66077	248.98871	4.15182	0.0756598	0.22255776	2.6967513	21	11 22.1	19.0
201682 2003 UB_{96}	15.8	X	334.69335	335.99141	36.31452	6.75601	0.0450713	0.21679724	2.7443124	21	9 30.2	19.3
201683 2003 UA_{99}	15.3	X	111.22016	169.84231	199.28588	4.91940	0.1541901	0.18065324	3.0991234	21	1 5.3	19.7
201684 2003 UC_{104}	15.4	X	206.82305	229.20334	294.16625	11.62796	0.0733062	0.21871193	2.7282724	21	10 15.3	19.6
201685 2003 UN_{107}	15.3	X	102.53470	165.61366	180.90561	17.67842	0.1987388	0.17757079	3.1348856	21	—	—
201686 2003 UY_{107}	15.9	X	341.03485	265.42473	53.85814	4.66971	0.0982253	0.21023504	2.8011261	21	7 25.3	19.1
201687 2003 UH_{109}	16.7	X	316.04468	144.05056	302.88063	2.28433	0.1387785	0.22164897	2.7041176	21	12 5.8	19.5
201688 2003 UA_{114}	15.8	X	289.74811	325.47441	79.14291	10.29875	0.0969059	0.21325278	2.7746375	21	9 4.1	19.5
201689 2003 UO_{116}	15.8	X	231.87744	325.92310	132.73666	3.40450	0.0638997	0.21171919	2.7880201	21	8 30.0	19.7
201690 2003 UO_{119}	14.9	X	285.77530	183.74641	11.43338	11.05882	0.0393934	0.18166832	3.0875683	21	—	—
201691 2003 UW_{119}	16.2	X	161.03486	218.42874	233.32212	4.03347	0.0587734	0.20130295	2.8833849	21	5 29.9	20.3
201692 2003 UC_{121}	15.8	X	244.40205	347.97778	108.30746	2.39876	0.1006281	0.21370250	2.7707434	21	9 6.9	19.6
201693 2003 UC_{124}	16.0	X	217.48173	341.57125	282.64115	13.02511	0.0381975	0.23966450	2.5668485	21	—	—
201694 2003 UA_{128}	15.8	X	125.79934	50.44887	269.72904	6.58960	0.0754733	0.23226999	2.6210420	21	—	—
201695 2003 UQ_{131}	15.8	X	278.49262	189.31209	281.46156	8.98814	0.1960684	0.21799890	2.7342183	21	10 22.3	19.4
201696 2003 UT_{131}	15.3	X	142.76753	60.96562	14.10822	9.58182	0.1207406	0.19322497	2.9631971	21	4 22.2	19.9
201697 2003 UX_{131}	15.2	X	156.83526	134.38464	268.51903	7.54199	0.0915244	0.19137318	2.9822817	21	3 24.2	19.9
201698 2003 UX_{132}	16.4	X	226.67646	48.02157	21.82719	7.88414	0.3099094	0.20403243	2.8576119	21	6 27.5	21.5
201699 2003 UH_{133}	15.6	X	43.21377	93.29854	342.75866	14.07769	0.2058671	0.17998023	3.1068445	21	—	—
201700 2003 UJ_{135}	15.7	X	108.92379	13.58767	6.82387	12.02453	0.1014233	0.18160756	3.0882569	21	1 11.7	20.2
201701 2003 UD_{139}	15.8	X	278.08206	264.82428	101.00841	7.29008	0.1141241	0.20868402	2.8149883	21	6 18.9	19.6
201702 2003 UW_{140}	14.9	X	10.05455	278.36297	174.08400	25.30837	0.2390091	0.17593103	3.1543345	21	—	—
201703 2003 UY_{140}	15.4	X	261.67615	182.81501	260.70753	8.49913	0.1325194	0.21251751	2.7810336	21	9 1.5	19.5
201704 2003 UK_{150}	15.6	X	175.02820	208.68406	140.29594	10.57028	0.1066967	0.24157053	2.5533288	21	2 3.5	19.4
201705 2003 UE_{159}	16.5	X	272.10780	110.59673	84.63572	2.01762	0.0756327	0.23149447	2.6268925	21	—	—
201706 2003 UO_{162}	15.8	X	308.14957	321.85767	115.80892	4.41528	0.1523170	0.21973273	2.7198161	21	11 8.9	18.7
201707 2003 UC_{163}	15.2	X	63.75471	271.07673	201.46646	13.56490	0.3080818	0.18386416	3.0629365	21	3 31.4	18.6
201708 2003 UJ_{163}	15.9	X	181.40592	326.82870	86.19834	5.90709	0.1073104	0.19761733	2.9191251	21	5 6.6	20.4
201709 2003 UC_{164}	15.8	X	343.51021	315.73686	112.56365	4.97356	0.0736380	0.22481993	2.6786307	21	12 26.5	19.0
201710 2003 UO_{167}	16.0	X	308.86741	58.00662	308.36950	6.09662	0.1628089	0.21232335	2.7827288	21	7 27.9	19.1
201711 2003 UF_{168}	15.5	X	88.18552	96.01317	342.72649	4.38287	0.1606356	0.18569915	3.0427255	21	3 2.4	19.5
201712 2003 UQ_{172}	15.7	X	243.04421	246.15720	154.36410	7.55829	0.0708654	0.20523986	2.8463933	21	6 26.7	19.8
201713 2003 UA_{176}	16.4	X	357.87951	310.39922	10.21930	0.70966	0.0755795	0.21276045	2.7789162	21	8 23.9	19.8
201714 2003 UA_{179}	15.8	X	100.54538	21.81924	48.30021	3.97895	0.1287596	0.18792967	3.0186017	21	3 4.7	20.0
201715 2003 UM_{181}	15.7	X	282.89330	229.45859	159.05818	4.27826	0.1086844	0.20941372	2.8084452	21	7 26.1	19.3
201716 2003 UN_{181}	15.6	X	184.71066	71.89832	349.09020	6.62669	0.0695779	0.19952682	2.9004710	21	5 15.6	20.1
201717 2003 UM_{183}	16.0	X	242.93474	6.57763	12.68549	1.89560	0.0833649	0.20299479	2.8673417	21	5 28.3	20.1
201718 2003 UL_{186}	16.1	X	285.28359	83.49666	315.07180	3.38783	0.0753925	0.21145065	2.7903801	21	8 17.7	19.7
201719 2003 UD_{189}	15.7	X	13.96389	83.79757	277.49025	3.07844	0.1175851	0.22092129	2.7100522	21	11 17.6	18.9
201720 2003 UO_{189}	15.9	X	90.10621	356.09210	355.20089	4.05815	0.1242896	0.17537183	3.1610364	21	—	—
201721 2003 UP_{189}	15.8	X	15.77915	69.04754	242.23633	6.53742	0.1021075	0.21362719	2.7713945	21	9 7.5	19.2
201722 2003 UK_{190}	16.4	X	276.43030	281.46393	74.81757	3.84570	0.0754625	0.20431736	2.8549546	21	6 9.8	20.3
201723 2003 UG_{192}	15.9	X	340.17919	167.47473	232.81346	4.04452	0.1174027	0.22011476	2.7166682	21	11 14.7	18.7
201724 2003 UM_{193}	15.3	X	124.33591	104.95590	210.50783	4.76215	0.1303964	0.17847776	3.1242562	21	—	—
201725 2003 UE_{194}	16.0	X	254.85927	39.50828	50.27009	5.40361	0.1030663	0.21489085	2.7605192	21	9 12.9	19.9
201726 2003 UH_{195}	15.6	X	259.84623	139.26446	246.17418	5.34141	0.0834970	0.20442447	2.8539572	21	6 25.7	19.5
201727 2003 UB_{196}	15.8	X	252.25425	324.20400	87.02484	4.34763	0.1197706	0.20660908	2.8338038	21	7 15.9	19.8
201728 2003 UM_{199}	15.5	X	151.31281	297.14959	14.63329	2.04196	0.0803056	0.18019473	3.1043784	21	—	—
201729 2003 UO_{219}	15.9	X	74.87215	36.47520	353.85884	4.43390	0.1427068	0.17851159	3.1238615	21	—	—
201730 2003 US_{224}	15.9	X	324.07436	42.13429	334.13155	3.34036	0.1838524	0.21496658	2.7598708	21	9 6.3	18.5
201731 2003 UY_{225}	16.2	X	20.72199	347.30956	318.85692	2.74716	0.0808297	0.21314867	2.7755409	21	9 8.9	19.6
201732 2003 UG_{228}	15.6	X	0.99874	113.75314	193.24797	8.49796	0.1318511	0.21044991	2.7992191	21	8 8.6	18.8
201733 2003 UQ_{248}	16.3	X	21.41031	262.69598	48.47244	5.78269	0.1015599	0.21539347	2.7562230	21	9 23.0	19.6
201734 2003 UQ_{250}	15.5	X	66.27568	191.18156	25.46255	10.79298	0.0780257	0.20301174	2.8671822	21	7 19.3	19.5
201735 2003 UY_{251}	16.2	X	336.62179	329.22413	68.52431	3.17459	0.2064039	0.22011074	2.7167013	21	11 7.2	18.5
201736 2003 UZ_{254}	15.8	X	167.27399	129.90099	39.95791	6.29620	0.0270641	0.21385479	2.7694279	21	9 18.2	19.7
201737 2003 UF_{258}	15.3	X	46.11533	230.36783	32.73627	9.30810	0.2328351	0.21311469	2.7758359	21	9 17.4	18.8
201738 2003 UT_{262}	14.8	X	85.70752	307.49533	96.30642	12.32232	0.0969517	0.18122244	3.0926308	21	1 7.1	18.8
201739 2003 UQ_{263}	15.9	X	21.90646	256.67974	129.39089	5.16520	0.0456851	0.22435304	2.6823457	21	12 23.1	19.3
201740 2003 UQ_{264}	15.0	X	174.46510	288.60216	88.26943	10.10832	0.1213667	0.19061126	2.9902237	21	3 21.6	19.8
201741 2003 UR_{264}	16.3	X	182.85052	200.64818	137.35663	5.67735	0.2017728	0.24341519	2.5404126	21	2 3.4	20.5
201742 2003 UJ_{265}	16.0	X	18.23631	242.29794	117.14444	6.06753	0.1788117	0.22057399	2.7128962	21	12 2.2	19.1
201743 2003 UZ_{265}	16.3	X	1.22274	145.74700	206.54916	3.28665	0.0834931	0.21751044	2.7383102	21	10 12.5	19.7
201744 2003 UB_{266}	15.6	X	87.99196	229.06106	35.57747	9.70356	0.1337669	0.21803222	2.7339397	21	10 23.9	19.4
201745 2003 UE_{268}	15.9	X	32.73814	250.18815	37.35399	4.97984	0.0361401	0.21120439	2.7925487	21	8 30.5	19.6
201746 2003 UN_{276}	15.2	X	136.16471	226.96440	230.81337	6.79375	0.1496223	0.19363909	2.9589709	21	5 18.0	19.7
201747 2003 UN_{280}	15.5	X	257.45140	15.86580	82.38564	13.73790	0.1003197	0.21226895	2.7832041	21	10 2.7	19.6
201748 2003 UT_{293}	15.3	X	43.03828	263.48080	166.66784	25.16261	0.2751187	0.17757593	3.1348252	21	—	—
201749 2003 UH_{297}	16.2	X	27.69394	21.94275	255.15437	3.32346	0.1724896	0.21224974	2.7833721	21	8 21.1	19.3
201750 2003 UY_{306}	16.2	X	13.08566	206.17131	310.27347	4.00207	0.0593964	0.18875396	3.0098071	21	2 8.7	20.0
201751 Steinhardt	16.1	X	274.32579	279.23621	100.22227	2.75889	0.0822518	0.20978090	2.8051672	21	7 6.9	19.7
201752 2003 UJ_{323}	16.6	X	330.10016	110.93839	17.91351	1.99347	0.0353778	0.23297566	2.6157466	21	—	—
201753 2003 UM_{340}	16.0	X	6.72190	187.24757	24.01959	2.00562	0.0445733	0.19694733	2.9257417	21	4 10.1	19.7
201754 2003 UN_{359}	16.7	X	120.16918	143.41152	147.18673	1.84997	0.0906391	0.22734680	2.6587458	21	12 25.3	20.6
201755 2003 UO_{371}	16.0	X	218.56762	141.64843	241.23072	11.52175	0.0970959	0.20621148	2.8374453	21	5 4.1	20.4
201756 2003 VR_{4}	16.2	X	41.35234	337.61377	324.25163	1.74894	0.0790340	0.21406064	2.7676521	21	10 3.6	19.6
201757 2003 WZ_{11}	15.5	X	13.03802	81.74408	280.75461	11.97173	0.1789949	0.21910959	2.7249704	21	11 25.3	18.7
201758 2003 WC_{26}	15.9	X	85.11399	187.60976	86.55130	3.54959	0.0531747	0.21917151	2.7244571	21	10 23.9	19.6
201759 2003 WG_{33}	15.3	X	173.38243	307.69243	47.70985	10.80319	0.1298550	0.18717116	3.0267515	21	2 24.1	20.2
201760 2003 WJ_{36}	15.8	X	102.99530	68.28507	9.61215	2.89326	0.1703521	0.18583828	3.0412066	21	3 21.7	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
201761 2003 WX_{36}	15.9	X	172.37747	343.84108	33.02316	12.55953	0.1848366	0.19077204	2.9885434	21	3 21.8	20.9
201762 2003 WN_{37}	15.0	X	193.42024	28.41714	282.22820	9.37567	0.0928655	0.18251710	3.0779887	21	1 15.5	19.9
201763 2003 WX_{37}	15.3	X	44.65745	39.14705	18.06631	9.82599	0.1370226	0.17466647	3.1695409	21	—	—
201764 2003 WV_{38}	15.0	X	124.26461	0.48093	52.02591	15.41659	0.3080628	0.18537761	3.0462429	21	4 4.1	20.2
201765 2003 WA_{43}	15.3	X	289.31602	296.97189	104.75516	10.07164	0.1708292	0.21077673	2.7963248	21	8 15.5	18.8
201766 2003 WE_{45}	15.3	X	156.98815	344.88297	47.03472	11.90294	0.0733086	0.18815721	3.0161677	21	3 19.5	19.9
201767 2003 WT_{45}	15.9	X	350.74673	317.50037	130.46656	14.19564	0.1386142	0.22548944	2.6733260	21	—	—
201768 2003 WQ_{67}	16.0	X	151.40105	45.17944	59.11903	2.90167	0.0866949	0.19679859	2.9272157	21	6 5.7	20.2
201769 2003 WE_{71}	15.5	X	145.18270	14.95992	323.51919	13.14192	0.1111070	0.23606842	2.5928504	21	—	—
201770 2003 WL_{81}	15.2	X	67.23770	238.80772	267.30230	9.13193	0.0490303	0.19057165	2.9906380	21	4 7.7	19.4
201771 2003 WS_{82}	15.4	X	177.92469	249.10344	144.50157	15.75973	0.1778381	0.19215071	2.9742311	21	4 15.4	20.5
201772 2003 WP_{83}	15.7	X	124.82513	3.58377	1.26101	6.82096	0.0988519	0.18332056	3.0689885	21	1 9.9	20.1
201773 2003 WO_{85}	15.8	X	237.03559	240.10875	259.39243	9.06924	0.1488138	0.21505625	2.7591035	21	10 12.7	20.1
201774 2003 WV_{85}	14.7	X	102.66850	294.27598	55.72178	12.87128	0.1854205	0.17330254	3.1861491	21	—	—
201775 2003 WA_{93}	16.1	X	268.16128	97.30816	339.58973	3.58890	0.0798342	0.21151892	2.7897796	21	9 13.4	19.6
201776 2003 WQ_{94}	15.8	X	324.85551	338.71995	7.64903	3.59218	0.1055326	0.20969864	2.8059007	21	8 4.4	19.0
201777 Deronda	15.4	X	119.60288	279.89706	86.50805	20.56922	0.2988690	0.18001721	3.1064190	21	2 1.8	20.4
201778 2003 WL_{103}	15.1	X	145.85523	290.85937	56.80331	6.98790	0.1890565	0.18120260	3.0928565	21	1 22.6	20.0
201779 2003 WD_{104}	15.2	X	10.36466	124.58634	73.38368	11.10378	0.0408565	0.18893617	3.0078718	21	4 5.0	19.4
201780 2003 WJ_{105}	15.9	X	273.63277	351.28054	38.17377	2.38733	0.1229436	0.20575592	2.8416319	21	7 13.6	19.9
201781 2003 WC_{107}	15.3	X	116.07964	349.84403	109.45844	4.42775	0.1631683	0.18961100	3.0007307	21	5 2.2	19.8
201782 2003 WR_{107}	17.1	X	295.89259	141.89164	291.05548	16.41516	0.1405203	0.38065470	1.8855957	21	11 14.7	18.5
201783 2003 WU_{109}	15.7	X	241.47461	120.34955	326.55144	2.44319	0.0335791	0.20948562	2.8078026	21	8 29.7	19.6
201784 2003 WS_{113}	15.2	X	10.94472	61.80177	29.24345	11.31316	0.0591498	0.17469816	3.1691576	21	—	—
201785 2003 WF_{124}	15.1	X	26.42448	78.16957	63.98633	19.65525	0.0956187	0.17986279	3.1081967	21	2 20.9	19.4
201786 2003 WT_{126}	14.9	X	85.64185	9.70267	67.14204	17.31733	0.0491697	0.17991725	3.1075694	21	2 17.3	19.5
201787 2003 WV_{131}	16.0	X	214.64525	195.88360	124.77987	1.47729	0.1216520	0.24332127	2.5410663	21	2 8.9	19.8
201788 2003 WF_{134}	15.4	X	164.01212	312.30235	67.88913	10.49667	0.1410528	0.18830083	3.0146338	21	3 17.3	20.3
201789 2003 WK_{135}	15.0	X	46.59939	45.24672	75.79931	11.55797	0.0875039	0.18216162	3.0819916	21	2 19.7	19.1
201790 2003 WO_{135}	15.4	X	126.35471	301.10311	105.17220	3.21683	0.1203014	0.18501488	3.0502231	21	3 4.6	19.9
201791 2003 WY_{137}	15.8	X	247.82969	341.95183	73.07096	2.98744	0.1567234	0.20431555	2.8549714	21	7 11.2	20.1
201792 2003 WF_{139}	15.3	X	268.99144	331.43912	67.79065	12.93082	0.0496166	0.20410826	2.8569041	21	8 3.6	19.4
201793 2003 WQ_{142}	14.7	X	124.72942	290.11522	95.12249	15.51614	0.1654510	0.17970809	3.1099802	21	2 14.3	19.5
201794 2003 WA_{145}	15.5	X	136.30724	315.44723	65.42527	12.92968	0.0418939	0.18364249	3.0654008	21	2 6.7	20.1
201795 2003 WE_{145}	16.1	X	316.28463	228.75267	242.15814	1.43595	0.0365819	0.22449048	2.6812508	21	—	—
201796 2003 WY_{150}	15.5	X	131.29778	300.89135	113.56755	5.66596	0.2099756	0.18831416	3.0144915	21	3 30.2	20.3
201797 2003 WS_{154}	16.4	X	247.95708	70.95273	46.23920	1.98296	0.2289342	0.21211413	2.7845583	21	9 20.7	20.6
201798 2003 WJ_{161}	15.8	X	207.71595	118.95228	72.71923	9.59433	0.2253325	0.21606192	2.7505354	21	11 13.4	20.2
201799 2003 WL_{168}	15.4	X	311.16522	296.88160	106.84331	10.94056	0.0881187	0.21511319	2.7586166	21	10 7.8	18.9
201800 2003 WM_{189}	15.2	X	201.58392	184.87102	149.01024	18.36672	0.2388235	0.19102477	2.9859069	21	2 20.1	20.4
201801 2003 WM_{192}	15.6	X	139.01298	10.40503	45.47421	10.99209	0.1484264	0.18766392	3.0214509	21	4 3.6	20.3
201802 2003 XL_{3}	15.6	X	223.55406	35.85185	101.50492	9.01775	0.1653445	0.21037775	2.7998591	21	10 1.5	20.0
201803 2003 XX_{3}	15.9	X	304.42388	356.88059	80.09026	6.06034	0.1019942	0.21714836	2.7413533	21	11 5.8	19.1
201804 2003 XL_{6}	14.9	X	342.10128	154.47548	356.25723	8.77351	0.1319979	0.17528717	3.1620540	21	—	—
201805 2003 XM_{13}	15.6	X	143.24506	162.82702	214.35486	11.44681	0.0657294	0.18298526	3.0727365	21	2 5.2	20.3
201806 2003 XL_{14}	17.0	X	153.60456	252.44944	299.55962	19.11409	0.0573913	0.37643651	1.8996557	21	10 3.0	19.7
201807 2003 XC_{19}	15.5	X	193.84187	69.46949	85.37379	9.45384	0.0880431	0.21026013	2.8009032	21	9 29.4	19.8
201808 2003 XX_{19}	16.0	X	339.36450	116.18157	307.35525	10.88090	0.1382798	0.21742005	2.7390691	21	12 15.6	19.1
201809 2003 XK_{20}	15.2	X	53.08214	141.18255	286.54781	25.83364	0.1395015	0.17330983	3.1860598	21	—	—
201810 2003 XL_{26}	15.9	X	322.85815	254.54455	116.43154	8.79975	0.1648699	0.21091427	2.7951090	21	8 31.7	18.9
201811 2003 XT_{30}	16.1	X	109.72989	298.09597	66.01722	5.53633	0.1451898	0.17774763	3.1328060	21	—	—
201812 2003 YY_{1}	15.9	X	259.92429	287.73327	101.65019	11.60102	0.1478356	0.20089764	2.8872618	21	6 22.9	20.2
201813 2003 YN_{5}	14.8	X	16.64124	47.69076	93.57487	18.67721	0.1929640	0.17459039	3.1704616	21	1 25.2	18.4
201814 2003 YN_{12}	15.4	X	142.80388	329.88157	49.76169	13.27805	0.1753269	0.18238738	3.0794478	21	3 1.5	20.4
201815 2003 YH_{15}	15.4	X	114.44373	25.53254	66.87359	12.37167	0.0982116	0.18482111	3.0523546	21	4 17.1	19.9
201816 2003 YO_{15}	15.3	X	201.64928	103.50240	69.01670	14.41377	0.1330696	0.21233298	2.7826446	21	10 26.3	19.7
201817 2003 YG_{17}	15.2	X	53.43892	9.83950	100.62598	19.11501	0.1950157	0.17719397	3.1393285	21	3 1.9	19.1
201818 2003 YJ_{19}	16.0	X	223.31167	17.35725	33.27701	2.30204	0.0704844	0.19998469	2.8960421	21	6 16.6	20.1
201819 2003 YT_{20}	15.6	X	55.43583	139.69424	312.89835	4.59871	0.0875085	0.17512459	3.1640109	21	1 25.2	19.7
201820 2003 YO_{25}	14.8	X	169.99334	318.81099	91.12698	17.45475	0.0831316	0.18872790	3.0100842	21	4 27.2	19.7
201821 2003 YR_{25}	15.3	X	232.04248	230.15820	299.42177	6.30985	0.2093817	0.21257181	2.7805600	21	11 7.1	19.6
201822 2003 YW_{25}	15.6	X	55.62207	47.02454	77.54534	6.07027	0.2243857	0.17960424	3.1111790	21	3 24.8	19.1
201823 2003 YX_{26}	14.8	X	19.55424	25.12007	102.47287	11.70868	0.1575079	0.17394004	3.1783594	21	1 13.5	18.5
201824 2003 YH_{29}	15.2	X	26.55149	5.62076	285.57331	13.48270	0.0862719	0.20188054	2.8778826	21	8 22.5	19.1
201825 2003 YN_{29}	14.9	X	324.36545	232.47861	106.04584	27.92259	0.2338977	0.20338251	2.8636964	21	7 5.3	17.6
201826 2003 YT_{29}	15.0	X	334.38752	87.13364	108.65477	15.41207	0.0784086	0.17710563	3.1403723	21	2 6.7	19.3
201827 2003 YG_{30}	15.3	X	115.05746	207.08485	282.65482	6.42654	0.1813622	0.19184637	2.9773759	21	6 8.3	19.8
201828 2003 YP_{30}	15.0	X	135.20053	281.88352	78.85493	6.40181	0.1676041	0.17981764	3.1087170	21	1 25.2	19.8
201829 2003 YP_{32}	15.4	X	40.11239	268.74184	282.65926	9.52507	0.2142572	0.18479238	3.0526710	21	5 19.1	18.8
201830 2003 YX_{49}	15.5	X	166.21967	326.48885	83.99837	2.93011	0.0591751	0.18987898	2.9979068	21	4 15.6	20.0
201831 2003 YK_{53}	15.8	X	167.45537	356.72456	89.13945	3.14981	0.0746272	0.19649058	2.9302739	21	5 30.7	20.1
201832 2003 YD_{54}	15.7	X	32.16013	309.06991	84.62681	7.12270	0.0805268	0.22504104	2.6768759	21	—	—
201833 2003 YQ_{57}	15.9	X	325.64898	291.08070	132.26172	4.18639	0.1843103	0.21727920	2.7402527	21	11 20.4	18.6
201834 2003 YS_{57}	15.6	X	305.28566	156.99119	262.81109	6.62676	0.1552075	0.21281921	2.7784047	21	10 2.7	19.0
201835 2003 YB_{59}	15.7	X	61.78235	276.68383	198.30562	1.55135	0.1721312	0.18181760	3.0858781	21	3 11.3	19.3
201836 2003 YA_{61}	15.1	X	59.67445	344.37713	105.95230	11.23401	0.0957043	0.17703591	3.1411968	21	1 29.5	19.1
201837 2003 YE_{61}	15.2	X	5.75086	215.52942	265.64678	2.16741	0.1576773	0.17199458	3.2022818	21	—	—
201838 2003 YM_{66}	14.5	X	76.79768	169.09861	269.21591	19.02560	0.0802672	0.17712603	3.1401311	21	1 29.4	19.0
201839 2003 YH_{72}	15.9	X	134.08669	144.28884	38.15375	3.26711	0.0882474	0.20276048	2.8695503	21	8 27.2	20.1
201840 2003 YW_{74}	15.4	X	82.13448	94.45463	326.89551	4.22609	0.1483320	0.17886114	3.1197902	21	1 31.5	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
201841 2003 YV_{78}	15.2	X	112.32965	352.90880	75.43714	8.18074	0.1985867	0.18360968	3.0657659	21	3 28.7	19.8
201842 2003 YS_{80}	15.4	X	178.85900	189.82111	312.60077	7.46885	0.1455571	0.19940256	2.9016759	21	8 20.8	20.1
201843 2003 YK_{81}	14.9	X	291.48186	277.89077	284.65409	13.33757	0.1015101	0.17222136	3.1994699	21	—	—
201844 2003 YW_{82}	15.1	X	216.12368	204.46781	92.85586	17.24876	0.0560425	0.17624317	3.1506090	21	1 25.5	20.0
201845 2003 YB_{85}	15.6	X	115.73906	195.60025	230.31406	7.90169	0.1990060	0.18518050	3.0484042	21	3 22.3	20.3
201846 2003 YM_{87}	15.1	X	101.98407	131.34177	302.81330	8.27917	0.0846781	0.17947537	3.1126681	21	3 1.5	19.5
201847 2003 YB_{88}	16.0	X	330.01334	285.20559	122.92276	5.91550	0.1350041	0.21578530	2.7528855	21	11 9.0	19.0
201848 2003 YR_{90}	15.5	X	139.19179	335.51551	99.22477	11.30967	0.0946974	0.19119137	2.9841720	21	4 22.7	20.1
201849 2003 YF_{91}	15.4	X	105.36276	44.57623	66.40244	11.52298	0.0386412	0.18910694	3.0060607	21	4 19.9	19.7
201850 2003 YJ_{92}	15.7	X	28.22643	301.46110	139.40621	11.70045	0.0742874	0.23036577	2.6354660	21	—	—
201851 2003 YJ_{98}	15.9	X	89.32329	351.01744	119.78919	4.22546	0.1639819	0.18417246	3.0595174	21	4 15.9	20.1
201852 2003 YV_{98}	14.4	X	78.65309	259.93268	103.81908	20.06689	0.1311219	0.16860162	3.2451011	21	—	—
201853 2003 YJ_{105}	15.0	X	2.57465	107.47346	77.42827	17.68777	0.1372496	0.18099516	3.0952192	21	3 7.7	19.1
201854 2003 YU_{106}	15.0	X	64.46698	239.41482	285.55033	12.32793	0.1103391	0.18436844	3.0573488	21	5 8.0	19.2
201855 2003 YW_{116}	15.7	X	62.90381	116.85426	10.12903	0.42328	0.1469624	0.18111739	3.0938265	21	3 25.8	19.6
201856 2003 YF_{118}	16.6	X	71.30027	292.20050	308.51235	17.61610	0.0747501	0.36919481	1.9244161	21	8 29.4	18.7
201857 2003 YS_{126}	14.8	X	149.04060	310.47014	50.92633	11.41523	0.3124673	0.18303014	3.0722341	21	2 22.9	20.3
201858 2003 YW_{129}	14.7	X	161.79045	246.82491	88.32069	16.18523	0.0939558	0.17157483	3.2075025	21	1 15.7	19.7
201859 2003 YJ_{130}	15.6	X	325.96398	81.54721	294.82185	11.81508	0.2213452	0.21535356	2.7565636	21	8 31.7	18.5
201860 2003 YP_{130}	15.3	X	54.16743	171.34082	305.33341	9.55670	0.0092728	0.18042890	3.1016918	21	2 13.1	19.7
201861 2003 YD_{132}	15.1	X	331.73967	139.99982	38.98168	9.96126	0.0432644	0.17466920	3.1695078	21	1 19.4	19.6
201862 2003 YR_{133}	14.8	X	341.98816	118.43352	82.69885	17.65760	0.0584787	0.17852831	3.1236665	21	3 3.7	19.3
201863 2003 YB_{134}	15.6	X	101.73053	52.43179	6.13540	8.93029	0.1614897	0.17900266	3.1181456	21	2 26.7	19.9
201864 2003 YY_{140}	15.1	X	35.25016	124.68324	35.50859	11.52418	0.1720051	0.18185497	3.0854554	21	3 28.7	18.5
201865 2003 YU_{143}	15.1	X	124.69700	57.14228	329.25674	12.43974	0.1250717	0.17914855	3.1164525	21	2 8.4	19.6
201866 2003 YV_{145}	15.1	X	8.54697	60.94537	84.69306	11.11433	0.0392896	0.17594938	3.1541153	21	1 25.7	19.5
201867 2003 YS_{146}	14.9	X	97.02689	78.63823	83.99535	12.56666	0.1916306	0.18576523	3.0420038	21	7 1.6	19.4
201868 2003 YP_{148}	14.9	X	20.02577	69.14138	70.19625	19.02322	0.1680622	0.17478888	3.1680609	21	2 2.4	18.8
201869 2003 YU_{150}	14.9	X	65.30349	78.77042	73.42101	15.11603	0.1656746	0.18243796	3.0788787	21	5 7.9	18.9
201870 2003 YG_{153}	15.3	X	57.13199	44.85429	81.04170	17.93977	0.2292408	0.17753435	3.1353146	21	4 6.7	19.3
201871 2003 YN_{154}	15.2	X	111.14516	48.44297	59.46282	13.63692	0.1098453	0.18397483	3.0617081	21	5 1.8	19.6
201872 2003 YE_{161}	15.6	X	138.98260	239.29769	206.45895	8.30389	0.0670836	0.19165502	2.9793573	21	4 28.5	19.8
201873 2003 YU_{162}	15.7	X	117.53069	124.75436	301.76427	12.32210	0.2420532	0.18479923	3.0525957	21	3 25.9	20.7
201874 2003 YV_{166}	15.3	X	96.65533	325.98028	115.27727	10.53939	0.0651875	0.18046918	3.1012303	21	3 7.1	19.7
201875 2003 YY_{168}	15.7	X	114.88079	18.04525	50.34815	6.58456	0.1555840	0.18359494	3.0659301	21	3 24.7	20.2
201876 2003 YB_{171}	15.8	X	29.43645	78.52453	60.12848	10.56021	0.1937798	0.17656012	3.1468375	21	2 19.7	19.3
201877 2003 YT_{175}	15.6	X	94.45093	5.19665	33.52228	11.38458	0.1698756	0.17794689	3.1304669	21	1 27.0	20.0
201878 2003 YF_{180}	15.2	X	22.60622	111.54715	59.52970	17.50114	0.1957823	0.17867956	3.1219034	21	3 26.9	18.8
201879 2004 AC_{1}	14.6	X	70.35838	64.25752	39.84170	26.26961	0.2526320	0.17919551	3.1159080	21	4 4.5	18.7
201880 2004 AP_{2}	15.2	X	242.54962	49.16316	285.99404	9.73991	0.0275822	0.18511721	3.0490990	21	4 4.3	19.8
201881 2004 AA_{4}	15.3	X	33.02548	157.60081	310.77806	10.18412	0.1305206	0.17279506	3.1923843	21	1 13.7	19.1
201882 2004 AC_{7}	15.0	X	233.87467	104.13386	273.29583	10.97756	0.0875703	0.19147476	2.9812269	21	5 14.7	19.7
201883 2004 AX_{7}	15.3	X	27.59201	112.00667	10.23177	11.00281	0.1509171	0.17203482	3.2017824	21	1 25.1	19.2
201884 2004 AU_{9}	15.3	X	70.24065	1.35801	103.43433	11.49796	0.0645132	0.17879198	3.1205947	21	3 2.6	19.6
201885 2004 AN_{10}	17.1	X	249.45720	94.04621	305.27102	17.20845	0.1052610	0.36608196	1.9353098	21	6 29.7	19.3
201886 2004 AW_{12}	16.2	X	17.56266	74.23638	69.98565	2.39074	0.1572333	0.17531667	3.1616994	21	1 31.6	19.8
201887 2004 AD_{14}	16.5	X	99.12137	264.16642	207.61437	1.54440	0.2237149	0.18471585	3.0535142	21	5 5.5	21.0
201888 2004 BB_{2}	15.4	X	173.04751	307.79698	106.37493	12.73051	0.1403994	0.19272243	2.9683462	21	5 4.6	20.4
201889 2004 BM_{9}	15.8	X	37.28897	18.22596	123.23250	7.98238	0.1632414	0.17633851	3.1494734	21	3 6.5	19.4
201890 2004 BB_{13}	15.3	X	127.01785	310.03503	115.93084	5.95213	0.1505056	0.18219839	3.0815770	21	4 3.3	20.0
201891 2004 BG_{14}	14.7	X	356.82383	120.36203	85.31901	15.01273	0.1199292	0.17618652	3.1512844	21	3 26.7	18.9
201892 2004 BK_{16}	14.8	X	1.75492	85.05247	115.87369	14.63622	0.1692282	0.17605215	3.1528877	21	3 23.1	18.6
201893 2004 BR_{17}	15.0	X	28.37170	114.24713	19.12415	11.55197	0.0632581	0.17468220	3.1693506	21	2 9.5	19.3
201894 2004 BT_{18}	15.1	X	126.11440	148.38850	267.44779	7.63288	0.0977116	0.18096652	3.0955457	21	3 8.3	19.7
201895 2004 BK_{19}	15.2	X	85.34368	95.41513	98.01511	10.70733	0.0184791	0.19288635	2.9666642	21	7 2.3	19.3
201896 2004 BX_{25}	15.6	X	194.09687	278.61569	304.68840	10.79467	0.0919804	0.21567750	2.7538027	21	12 18.1	19.8
201897 2004 BG_{33}	15.5	X	345.59871	200.60663	340.99883	1.99144	0.1053193	0.17426872	3.1743618	21	1 31.8	19.6
201898 2004 BN_{33}	15.7	X	27.38867	88.18697	59.75657	1.68934	0.1128250	0.17638958	3.1488654	21	2 22.3	19.5
201899 2004 BD_{47}	15.3	X	300.18583	267.50546	115.63227	15.85483	0.1648005	0.20500581	2.8485593	21	8 6.3	18.7
201900 2004 BR_{56}	15.2	X	125.69531	55.20331	144.60821	13.06173	0.0615984	0.19673378	2.9278585	21	9 6.3	19.4
201901 2004 BG_{64}	15.9	X	39.56839	55.00185	39.80546	1.29582	0.1663565	0.17280328	3.1922830	21	1 7.7	19.3
201902 2004 BL_{64}	17.0	X	166.57089	156.68595	67.79867	0.93551	0.2262107	0.26429624	2.4047802	21	11 22.4	20.8
201903 2004 BW_{68}	14.9	X	15.10573	304.36433	222.64362	26.26080	0.2710259	0.17413923	3.1759352	21	2 10.3	18.6
201904 2004 BC_{85}	16.8	X	283.80650	44.83972	271.50507	17.27005	0.0758760	0.35679146	1.9687614	21	4 2.1	19.6
201905 2004 BH_{89}	14.9	X	358.50815	305.17360	279.60256	7.17592	0.1211427	0.18024465	3.1038052	21	4 10.3	18.8
201906 2004 BV_{90}	15.2	X	47.60590	209.86335	310.84661	4.30588	0.1071156	0.17934669	3.1141568	21	4 8.0	19.1
201907 2004 BM_{91}	15.2	X	49.35680	303.01294	171.13777	4.95029	0.1403443	0.17430364	3.1739379	21	2 15.3	18.9
201908 2004 BJ_{97}	15.3	X	112.63642	251.73453	132.86820	16.67560	0.2375406	0.17561353	3.1581353	21	2 7.0	19.8
201909 2004 BF_{110}	15.0	X	59.97916	96.39214	1.21503	25.75945	0.2188412	0.17388606	3.1790172	21	3 2.9	18.9
201910 2004 BM_{111}	16.9	X	197.29126	180.55061	128.18060	22.85496	0.0067115	0.39519483	1.8390571	21	—	—
201911 2004 BU_{113}	15.2	X	105.10115	2.75578	73.27983	10.85619	0.0823370	0.17942248	3.1132797	21	3 16.2	19.7
201912 2004 BB_{116}	15.2	X	272.08474	259.15545	86.27502	11.50511	0.0135513	0.19032492	2.9932221	21	5 31.8	19.4
201913 2004 BF_{116}	15.4	X	149.63698	339.97000	98.84955	11.19256	0.0889718	0.18661127	3.0328026	21	5 7.7	20.1
201914 2004 BP_{119}	14.9	X	25.30143	94.03602	95.00927	19.04811	0.1367543	0.17948344	3.1125748	21	4 23.3	18.9
201915 2004 BH_{133}	15.3	X	52.88364	18.56880	63.67414	5.67011	0.1222069	0.17253894	3.1955427	21	1 12.3	19.2
201916 2004 BN_{141}	16.6	X	89.29072	228.79372	198.88024	1.56153	0.2127580	0.17770184	3.1333441	21	2 26.7	20.7
201917 2004 BO_{149}	16.0	X	112.54421	74.07830	319.01884	4.21468	0.1656184	0.17619624	3.1511684	21	2 7.3	20.4
201918 2004 CA_{4}	15.2	X	103.95918	312.81697	118.00272	10.40883	0.2008814	0.17932308	3.1144301	21	3 23.3	19.8
201919 2004 CC_{5}	15.2	X	58.92731	115.93331	336.37697	10.67704	0.1055055	0.17295246	3.1904472	21	2 2.8	19.3
201920 2004 CD_{6}	15.7	X	132.99245	3.12804	67.75858	6.41136	0.2599873	0.18403805	3.0610069	21	4 24.1	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
201921 2004 CN_{51}	15.4	X	85.90809	54.75523	98.36279	12.72447	0.0553308	0.18492311	3.0512322	21	5 20.6	19.7
201922 2004 CQ_{52}	15.5	X	65.60527	54.39879	110.22600	2.08028	0.1596358	0.18152786	3.0891609	21	5 20.4	19.4
201923 2004 CV_{66}	15.2	X	131.73602	309.15118	109.07792	13.40945	0.1892984	0.17988403	3.1079521	21	4 6.6	20.3
201924 2004 CB_{79}	15.4	X	81.89024	6.89833	96.19510	2.33136	0.1829837	0.17765553	3.1338886	21	3 30.1	19.4
201925 2004 CT_{83}	15.1	X	143.48560	69.59739	325.60534	13.14204	0.2634412	0.17991765	3.1075649	21	3 16.4	20.5
201926 2004 CU_{94}	15.8	X	140.70718	286.17089	206.28519	2.70270	0.0899495	0.18939825	3.0029775	21	6 30.0	20.3
201927 2004 CC_{97}	14.8	X	237.00914	108.94780	80.19644	16.10601	0.0622945	0.15725911	3.3993210	21	12 16.9	19.7
201928 2004 CE_{104}	15.3	X	118.63572	160.28151	279.87365	16.19610	0.1581581	0.18056530	3.1001296	21	4 1.8	20.3
201929 2004 CS_{120}	15.5	X	46.03432	333.19688	198.06512	0.59565	0.0862028	0.18064661	3.0991993	21	4 19.4	19.4
201930 2004 DR_{20}	15.2	X	115.70090	47.13418	136.26055	9.01594	0.0757392	0.19101271	2.9860325	21	8 4.2	19.4
201931 2004 DM_{25}	17.1	X	267.27954	207.97260	257.47677	19.23888	0.0932958	0.37687602	1.8981785	21	11 18.2	18.6
201932 2004 DW_{28}	15.7	X	159.10352	347.98096	106.57634	3.21450	0.0696583	0.18695098	3.0291275	21	6 1.7	20.2
201933 2004 DO_{45}	15.0	X	24.93755	199.10035	10.55138	10.61609	0.1600019	0.17705863	3.1409280	21	5 8.3	18.6
201934 2004 DP_{50}	16.3	X	138.99171	33.16476	89.96186	1.05943	0.1474689	0.18996426	2.9970095	21	6 21.2	21.0
201935 2004 DB_{67}	15.1	X	257.57397	9.95831	288.89397	9.42870	0.0982037	0.18474830	3.0531566	21	3 1.9	19.8
201936 2004 EV_{14}	14.9	X	119.25612	350.98002	130.46522	11.09024	0.0367757	0.18119760	3.0929133	21	5 20.0	19.5
201937 2004 EA_{16}	14.2	X	111.45605	308.45044	175.38922	8.29627	0.1001961	0.12599007	3.9407466	21	5 22.9	20.0
201938 2004 EN_{24}	16.5	X	28.41374	179.00401	57.84400	22.39646	0.0733884	0.35421190	1.9783082	21	6 6.7	18.1
201939 2004 EQ_{39}	15.7	X	88.90086	323.23769	265.68663	1.90549	0.1129513	0.19178236	2.9780383	21	9 3.6	19.9
201940 2004 EO_{43}	15.6	X	96.34781	222.33280	282.87204	8.02590	0.2573531	0.18200614	3.0837466	21	6 17.5	20.2
201941 2004 EY_{94}	15.0	X	49.84242	47.03036	101.21493	9.89671	0.1869073	0.17387140	3.1791959	21	4 12.8	18.9
201942 2004 FS_{1}	17.7	X	149.78944	247.50562	200.66687	21.02092	0.0995370	0.35263512	1.9842011	21	5 7.2	20.2
201943 2004 GU_{19}	17.0	X	64.16875	97.74928	67.47652	25.12335	0.0558415	0.34638385	2.0080027	21	4 28.7	19.3
201944 2004 GW_{19}	17.2	X	53.05369	53.15819	215.43282	7.95895	0.2127085	0.30032877	2.2083679	21	10 6.3	19.7
201945 2004 GD_{20}	16.8	X	18.75215	183.91293	16.87513	1.96169	0.1218859	0.23117752	2.6292930	21	4 8.9	19.4
201946 2004 GO_{28}	16.8	X	214.41429	321.71216	82.54882	23.37960	0.1430609	0.35416235	1.9784927	21	5 23.9	19.7
201947 2004 HG_{40}	17.6	X	324.46048	299.95005	26.94335	8.19262	0.1853898	0.29699144	2.2248809	21	6 23.2	19.6
201948 2004 HK_{70}	16.9	X	35.67177	354.24301	81.17536	1.73023	0.0456563	0.21293903	2.7773623	21	—	—
201949 2004 JF_{1}	16.7	X	281.53175	1.68109	76.64550	23.41477	0.0800999	0.36499620	1.9391459	21	11 10.1	18.6
201950 2004 JT_{11}	17.0	X	57.51482	194.71793	125.88117	24.17519	0.0623220	0.36732365	1.9309460	21	12 20.8	19.5
201951 2004 JV_{26}	17.4	X	106.29003	83.94074	228.49875	3.42214	0.1778256	0.31322455	2.1473303	21	—	—
201952 2004 JS_{43}	17.4	X	94.57837	41.50277	233.37554	5.85450	0.1678178	0.30854321	2.1689958	21	11 27.6	20.5
201953 2004 JO_{47}	17.2	X	84.36403	180.63319	167.18782	2.15239	0.1384391	0.31734276	2.1287124	21	—	—
201954 2004 KO_{3}	17.1	X	136.95253	87.40156	211.48269	1.57736	0.1914267	0.31639801	2.1329478	21	—	—
201955 2004 LD_{13}	16.8	X	335.91628	13.07193	250.86091	6.81813	0.0983046	0.28239928	2.3008784	21	4 17.3	19.2
201956 2004 LR_{16}	16.7	X	296.99756	19.48942	273.19776	8.89863	0.2333902	0.27775718	2.3264435	21	3 8.6	20.1
201957 2004 ME_{7}	17.2	X	359.39921	150.46663	152.37036	4.29242	0.2062960	0.29066355	2.2570560	21	8 10.9	18.4
201958 2004 NF_{7}	16.3	X	263.50014	160.38017	192.14994	6.63212	0.1343490	0.27808688	2.3246044	21	5 8.3	19.4
201959 2004 NS_{12}	16.7	X	246.55357	231.39632	110.44438	9.98375	0.2463847	0.27554739	2.3388651	21	4 1.5	20.7
201960 2004 NX_{14}	17.6	X	262.64779	111.06610	219.92687	1.62780	0.2421605	0.27798577	2.3251680	21	3 27.3	21.1
201961 2004 NB_{16}	16.6	X	226.70099	329.50399	20.20234	4.68730	0.2630130	0.27203152	2.3589744	21	3 22.2	20.7
201962 2004 NN_{20}	17.2	X	291.05957	84.66358	254.75363	5.38276	0.1415898	0.28394427	2.2925245	21	5 23.0	19.9
201963 2004 NW_{24}	16.5	X	351.00168	8.00302	308.83865	6.09110	0.1542690	0.28916303	2.2648575	21	8 11.9	18.1
201964 2004 NW_{26}	16.8	X	230.33027	93.49315	272.29122	4.47655	0.2587589	0.27576363	2.3376423	21	4 10.6	20.9
201965 2004 OE_{3}	16.7	X	214.16205	70.68417	285.25731	4.28324	0.2362416	0.27171242	2.3608210	21	3 17.6	20.7
201966 2004 ON_{11}	16.4	X	156.38164	273.06406	76.08453	9.26307	0.2660925	0.26117852	2.4238798	21	1 29.8	20.3
201967 2004 PB_{13}	17.4	X	297.19045	122.85185	189.88553	1.54850	0.2218662	0.28063603	2.3105060	21	4 11.2	20.3
201968 2004 PG_{17}	17.0	X	232.45708	23.04596	322.66225	1.58116	0.1910130	0.27233475	2.3572230	21	3 22.7	20.8
201969 2004 PK_{18}	17.1	X	198.05723	26.75740	282.56910	3.74590	0.2046168	0.26375788	2.4080514	21	1 10.3	21.0
201970 2004 PU_{18}	17.3	X	321.47919	335.70590	296.26776	2.48662	0.2132483	0.27974746	2.3153960	21	3 18.3	19.8
201971 2004 PA_{19}	17.0	X	292.45859	336.31259	57.97148	1.00628	0.2100774	0.28790900	2.2714293	21	8 5.5	19.0
201972 2004 PP_{25}	17.3	X	316.00592	170.50057	137.19683	3.12715	0.1739947	0.28297845	2.2977378	21	5 10.7	19.6
201973 2004 PA_{29}	17.1	X	234.90324	197.18314	155.63876	3.08703	0.2085621	0.27365949	2.3496096	21	4 3.4	20.9
201974 2004 PR_{29}	17.5	X	352.02691	202.81490	68.37653	1.94770	0.2214046	0.28455701	2.2892322	21	5 18.4	18.6
201975 2004 PU_{32}	16.7	X	256.01739	231.19746	101.98639	2.87555	0.2425906	0.27544159	2.3394640	21	3 26.4	20.6
201976 2004 PA_{33}	17.6	X	247.91019	196.85237	149.72891	1.66837	0.2034713	0.27614936	2.3354649	21	4 6.9	21.1
201977 2004 PQ_{34}	17.0	X	212.06856	354.37762	20.76617	2.80336	0.2273575	0.27290172	2.3539571	21	4 10.8	20.9
201978 2004 PO_{35}	17.1	X	315.57154	169.67714	123.58438	3.26759	0.1618051	0.28007045	2.3136155	21	4 21.2	19.6
201979 2004 PM_{51}	17.1	X	201.46117	268.41058	67.62138	3.43136	0.2103601	0.26691408	2.3890307	21	2 15.4	21.0
201980 2004 PW_{51}	17.2	X	225.03509	229.47662	102.89574	4.54092	0.2140856	0.27097272	2.3651154	21	3 1.9	21.1
201981 2004 PX_{51}	16.6	X	270.14495	342.01428	27.29608	2.84485	0.1724813	0.28208917	2.3025644	21	6 1.9	19.7
201982 2004 PF_{52}	16.4	X	139.89205	318.76530	2.98108	5.22996	0.2095091	0.25605926	2.4560794	21	—	—
201983 2004 PJ_{52}	17.3	X	207.30609	231.15594	88.81724	3.41043	0.2253555	0.26605637	2.3941624	21	1 31.6	21.3
201984 2004 PZ_{52}	17.1	X	150.58426	35.39486	5.84414	6.38291	0.2632416	0.26584278	2.3954446	21	3 26.6	21.1
201985 2004 PS_{54}	16.8	X	226.12910	193.60825	107.55614	3.63772	0.1927474	0.26749309	2.3855820	21	1 23.2	20.7
201986 2004 PA_{58}	17.1	X	304.17391	58.40889	295.67201	5.36130	0.2219229	0.28580324	2.2825727	21	6 21.1	19.4
201987 2004 PA_{66}	17.3	X	284.14838	160.50412	153.73353	2.22174	0.2174599	0.27877952	2.3207524	21	3 30.4	20.5
201988 2004 PU_{72}	17.5	X	214.38864	221.33382	120.40253	2.15873	0.2101253	0.27105708	2.3646246	21	3 3.6	21.4
201989 2004 PY_{74}	17.7	X	195.68573	237.23171	104.69727	2.32262	0.2033768	0.26663979	2.3906688	21	2 16.9	21.5
201990 2004 PC_{78}	16.4	X	101.99377	59.70931	224.97008	3.45510	0.0779068	0.24421294	2.5348773	21	12 1.1	20.1
201991 2004 PE_{83}	16.9	X	302.68035	311.43338	349.96410	3.91839	0.1608403	0.27826932	2.3235882	21	4 11.0	19.7
201992 2004 PJ_{84}	16.8	X	220.79343	190.14286	140.29008	3.33094	0.2166221	0.26705560	2.3881866	21	2 23.1	20.9
201993 2004 PM_{84}	16.3	X	203.76980	4.49186	22.01801	4.35804	0.2207703	0.27019115	2.3696742	21	4 18.2	20.1
201994 2004 PA_{85}	16.5	X	195.68054	336.65361	44.45590	3.45261	0.2052304	0.26797541	2.3827186	21	4 6.0	20.3
201995 2004 PT_{86}	16.7	X	28.35831	30.64534	20.07923	5.29682	0.2779396	0.24527408	2.5275608	21	—	—
201996 2004 PQ_{90}	16.5	X	217.90274	181.41876	159.45754	6.43374	0.2032136	0.26777217	2.3839241	21	3 5.3	20.5
201997 2004 PL_{97}	16.6	X	236.65949	337.66344	3.49063	4.65407	0.2483222	0.27229111	2.3574749	21	3 19.2	20.5
201998 2004 PX_{102}	16.8	X	216.39553	98.87279	238.73799	3.67712	0.2551142	0.26752192	2.3854106	21	2 26.0	20.9
201999 2004 PJ_{103}	16.6	X	262.16840	34.79163	278.37867	3.27026	0.2424342	0.27147916	2.3621731	21	3 4.2	20.5
202000 2004 PB_{109}	17.3	X	209.93493	94.35464	278.30206	1.50305	0.1806586	0.27218704	2.3580758	21	4 5.7	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202001 2004 PV_{113}	17.0	X	206.02039	187.21389	162.57705	3.56473	0.2476528	0.26948635	2.3738041	21	3 6.5	21.2
202002 2004 QW_{7}	17.1	X	222.05380	215.68603	157.58266	5.12135	0.1565465	0.27436301	2.3455913	21	4 20.7	20.7
202003 2004 QQ_{9}	16.7	X	34.05312	331.69155	24.90378	5.01599	0.2194728	0.24183198	2.5514882	21	12 31.4	20.1
202004 2004 QT_{9}	16.7	X	251.47328	329.02989	5.22812	8.84137	0.1398847	0.27477823	2.3432277	21	3 29.4	20.0
202005 2004 QZ_{13}	15.7	X	327.74184	36.29024	303.29636	27.97955	0.1574853	0.28664834	2.2780841	21	7 27.0	17.3
202006 2004 QC_{14}	14.9	X	209.54062	162.14730	248.98873	24.33060	0.2801101	0.27245095	2.3565528	21	5 22.8	19.1
202007 2004 QS_{24}	16.9	X	112.02307	232.24465	165.59115	2.77582	0.1927027	0.25750605	2.4468711	21	1 31.8	19.9
202008 2004 QX_{26}	17.2	X	202.76497	357.38515	42.97089	5.00086	0.2119468	0.27450955	2.3447565	21	5 4.9	21.2
202009 2004 RN_{5}	16.8	X	120.99594	188.19544	96.14416	6.42548	0.1151231	0.30353036	2.1928115	21	—	—
202010 2004 RE_{12}	17.1	X	168.68081	186.94653	134.34814	3.43780	0.2105969	0.25726073	2.4484264	21	—	—
202011 2004 RW_{16}	17.0	X	201.55298	25.98440	14.14907	8.83046	0.1978431	0.27427401	2.3460987	21	5 1.6	20.9
202012 2004 RC_{20}	16.3	X	194.46035	39.97959	14.10209	23.76661	0.2087749	0.27272175	2.3549925	21	5 6.6	20.5
202013 2004 RS_{27}	17.1	X	267.98529	352.77123	342.48473	1.81539	0.2084539	0.27744524	2.3281870	21	4 9.9	20.5
202014 2004 RT_{28}	17.0	X	303.39507	155.61825	152.89326	4.16246	0.1236647	0.27944817	2.3170489	21	5 1.4	19.7
202015 2004 RC_{33}	16.6	X	226.62773	7.52774	6.46964	7.21019	0.1202532	0.27525268	2.3405343	21	4 24.2	20.1
202016 2004 RL_{35}	17.2	X	130.98813	283.63688	87.21629	2.38345	0.1913276	0.25819613	2.4425094	21	1 21.2	20.4
202017 2004 RA_{37}	17.4	X	170.17396	352.24755	6.68590	2.02866	0.2279416	0.26431619	2.4046592	21	2 17.5	21.2
202018 2004 RA_{43}	17.3	X	125.22873	205.83492	199.08574	1.89464	0.2041013	0.26207963	2.4183206	21	2 27.5	20.5
202019 2004 RO_{43}	16.7	X	175.34203	50.61052	319.67390	6.16173	0.1342289	0.26631887	2.3925890	21	2 27.9	20.2
202020 2004 RQ_{45}	17.5	X	281.74694	311.90132	4.09948	2.19410	0.2170172	0.27716038	2.3297820	21	3 29.6	20.7
202021 2004 RX_{45}	17.0	X	193.46114	35.01998	358.12948	6.89942	0.1444222	0.27175724	2.3605614	21	4 15.3	20.8
202022 2004 RE_{46}	16.5	X	167.96828	338.11187	8.33146	4.35131	0.1019200	0.26155312	2.4215649	21	1 21.3	19.9
202023 2004 RZ_{48}	17.2	X	187.51053	19.89669	22.62590	3.90432	0.1741970	0.27149048	2.3621074	21	4 23.8	21.0
202024 2004 RZ_{53}	17.4	X	323.64680	73.31083	236.02697	2.52443	0.1672936	0.28296663	2.2978018	21	5 27.3	19.3
202025 2004 RP_{54}	17.2	X	217.02397	205.37398	124.66751	2.28298	0.1986804	0.26737727	2.3862708	21	2 19.7	21.1
202026 2004 RY_{54}	16.9	X	215.33482	117.80425	288.40600	5.89203	0.0889195	0.27793328	2.3254608	21	5 27.9	20.1
202027 2004 RS_{56}	17.4	X	154.11422	268.72124	67.10213	3.28196	0.2234015	0.25775146	2.4453177	21	1 6.1	20.9
202028 2004 RJ_{59}	16.6	X	167.70110	284.46324	45.80770	3.37031	0.2032583	0.25892805	2.4379043	21	1 10.3	20.3
202029 2004 RC_{62}	17.4	X	356.07988	118.42070	170.61015	1.58613	0.2171493	0.28566844	2.2832907	21	7 4.5	18.6
202030 2004 RK_{65}	16.8	X	152.58868	226.44706	165.87823	8.71650	0.1461159	0.26390611	2.4071496	21	3 6.9	20.4
202031 2004 RK_{67}	16.5	X	180.82511	45.52392	357.36625	8.94486	0.0793029	0.27040574	2.3684203	21	4 12.2	19.9
202032 2004 RP_{67}	16.4	X	245.72420	313.79106	355.15512	6.61162	0.0213387	0.26686183	2.3893425	21	3 1.3	19.4
202033 2004 RS_{71}	16.7	X	326.84318	274.75352	26.82032	7.26585	0.1128617	0.28027267	2.3125025	21	5 28.3	19.0
202034 2004 RL_{73}	16.8	X	157.43677	275.39614	171.24888	13.20424	0.1457888	0.27168285	2.3609923	21	5 23.9	20.6
202035 2004 RK_{77}	16.7	X	271.23234	276.53620	30.06410	5.17485	0.1993681	0.27231606	2.3573309	21	3 11.3	20.2
202036 2004 RE_{78}	17.1	X	172.73490	5.70208	44.94124	2.03829	0.1728004	0.26869247	2.3784775	21	4 21.3	20.8
202037 2004 RL_{85}	17.3	X	182.25245	0.95424	336.74179	2.00173	0.2202241	0.26023096	2.4297602	21	2 1.8	21.3
202038 2004 RA_{101}	16.5	X	142.93017	118.40484	261.03258	2.59606	0.2067367	0.26073449	2.4266309	21	2 14.4	20.1
202039 2004 RZ_{103}	16.9	X	275.73260	91.95249	225.36543	4.57665	0.1671189	0.27487010	2.3427056	21	3 29.6	20.2
202040 2004 RN_{104}	16.5	X	134.28032	160.17926	264.18981	5.41078	0.1340709	0.26497175	2.4006914	21	3 23.6	19.9
202041 2004 RS_{108}	16.9	X	59.82524	299.03548	306.03810	5.48661	0.0437984	0.28703323	2.2760472	21	8 13.3	19.6
202042 2004 RW_{135}	17.2	X	108.35059	104.02892	30.30026	2.99480	0.1587457	0.27435007	2.3456651	21	5 31.6	20.3
202043 2004 RP_{143}	16.7	X	152.83460	6.21979	45.51921	3.66945	0.1666225	0.26573268	2.3961062	21	4 3.9	20.3
202044 2004 RU_{146}	17.1	X	165.13200	64.63010	344.15518	7.20287	0.1043592	0.26925125	2.3751857	21	4 4.1	20.6
202045 2004 RV_{149}	17.2	X	144.88337	101.38533	289.02900	0.89488	0.1865234	0.26201250	2.4187337	21	2 28.5	20.6
202046 2004 RS_{153}	16.5	X	196.51672	61.23589	263.38107	5.46279	0.1195100	0.26291437	2.4131992	21	1 22.7	20.2
202047 2004 RM_{155}	16.4	X	281.17102	46.42937	224.18527	6.63496	0.0511506	0.26751381	2.3854587	21	2 15.9	19.6
202048 2004 RW_{157}	16.6	X	229.15240	264.97444	255.62154	5.53378	0.0292450	0.29899983	2.2149066	21	12 4.1	18.9
202049 2004 RG_{166}	16.8	X	339.56218	105.92006	169.42563	4.19074	0.0690868	0.28070975	2.3101015	21	5 18.8	19.2
202050 2004 RF_{167}	16.9	X	161.48606	329.94480	26.92278	7.69293	0.1290594	0.26163378	2.4210672	21	1 31.9	20.5
202051 2004 RW_{177}	16.8	X	344.29603	47.08014	319.75284	13.20182	0.1876433	0.23357894	2.6112408	21	10 2.4	19.5
202052 2004 RF_{190}	15.7	X	232.80626	130.76984	230.95908	7.12425	0.1009575	0.21331481	2.7740995	21	4 21.9	19.9
202053 2004 RH_{192}	16.6	X	307.26124	105.48368	200.55140	4.85284	0.1834001	0.27824408	2.3237287	21	4 22.2	19.3
202054 2004 RA_{193}	16.7	X	177.57578	99.06333	282.78353	3.10203	0.2031660	0.26567633	2.3964450	21	3 20.1	20.6
202055 2004 RS_{196}	15.4	X	162.62136	143.85780	344.47213	15.94844	0.2375229	0.21750518	2.7383544	21	7 27.3	20.3
202056 2004 RN_{227}	16.7	X	216.82015	55.92563	226.17374	4.58611	0.2019712	0.25851347	2.4405101	21	—	—
202057 2004 RV_{229}	16.9	X	136.98863	33.65176	4.89251	5.72201	0.1147672	0.26044483	2.4284298	21	2 23.6	20.2
202058 2004 RD_{250}	17.6	X	282.25090	82.08121	215.87674	1.53594	0.2176577	0.27399409	2.3476963	21	3 6.6	21.2
202059 2004 RB_{265}	17.5	X	178.25315	276.62031	124.00764	1.92050	0.1848080	0.26946572	2.3739252	21	4 14.7	21.3
202060 2004 RH_{291}	16.8	X	200.80130	75.78614	296.14221	5.75738	0.1432923	0.27100152	2.3649479	21	3 25.0	20.6
202061 2004 RN_{292}	16.4	X	353.99277	279.65891	304.06218	6.42638	0.0619814	0.26993206	2.3711902	21	3 23.7	19.2
202062 2004 RG_{309}	16.5	X	176.28822	205.33129	300.54813	6.41297	0.1074445	0.28546207	2.2843910	21	8 26.9	19.8
202063 2004 RX_{323}	16.1	X	311.80647	49.21747	285.79618	6.43006	0.1304124	0.28063097	2.3105337	21	6 21.7	18.5
202064 2004 RT_{333}	16.8	X	301.31657	208.21832	71.53241	6.56591	0.2033257	0.27482571	2.3429579	21	3 9.7	20.0
202065 2004 RK_{335}	16.8	X	146.58664	200.31542	222.93065	2.64643	0.1089369	0.26519785	2.3993267	21	4 4.8	20.2
202066 2004 RT_{339}	16.8	X	158.43877	71.95300	11.05633	7.79495	0.0830622	0.27198755	2.3592286	21	5 10.7	20.1
202067 2004 RW_{339}	16.8	X	258.29030	154.95547	154.00321	5.14815	0.1697038	0.26985925	2.3716168	21	3 2.9	20.4
202068 2004 SA_{4}	17.2	X	135.10023	310.79761	82.70864	2.44329	0.1906874	0.25953490	2.4341025	21	2 24.4	20.7
202069 2004 SN_{4}	17.1	X	184.65945	86.18199	248.45380	2.91804	0.0487273	0.26273340	2.4143072	21	1 18.3	20.3
202070 2004 SG_{11}	16.6	X	329.69165	200.03956	91.82396	7.32340	0.1636338	0.28212989	2.3023428	21	5 13.9	18.8
202071 2004 SN_{20}	16.6	X	50.60193	132.88637	198.63188	3.45795	0.2782678	0.23883169	2.5728122	21	12 25.4	20.4
202072 2004 SJ_{24}	16.9	X	263.10877	272.83500	25.79821	7.44936	0.2224890	0.26917253	2.3756487	21	2 21.6	20.8
202073 2004 SL_{24}	17.4	X	2.77275	357.09589	79.24178	1.92247	0.1517818	0.24298128	2.5434362	21	—	—
202074 2004 SP_{24}	17.0	X	150.17068	137.98425	207.43481	8.47314	0.2362321	0.25639627	2.4539266	21	1 13.6	20.9
202075 2004 SF_{30}	17.2	X	257.34473	340.98020	350.05997	1.83621	0.1882050	0.27301936	2.3532808	21	3 27.5	20.6
202076 2004 SV_{30}	16.4	X	304.36448	288.84823	3.33358	5.59376	0.2095577	0.27589845	2.3368807	21	3 25.3	19.4
202077 2004 SS_{32}	15.8	X	208.63286	345.99947	22.43871	10.71045	0.1373284	0.26845293	2.3798922	21	4 1.9	19.4
202078 2004 ST_{38}	17.0	X	245.51207	174.76233	156.20632	2.66343	0.2146164	0.27081398	2.3660395	21	3 15.8	20.9
202079 2004 SR_{39}	16.7	X	224.14566	130.85997	237.81720	0.49949	0.2998737	0.27049462	2.3679015	21	4 10.4	20.9
202080 2004 SR_{40}	15.6	X	325.50874	349.49559	39.00109	13.52250	0.1481058	0.22726270	2.6594017	21	10 7.5	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202081 2004 SA_{50}	16.9	X	139.55132	209.68503	184.22629	3.26723	0.2043595	0.26082528	2.4260678	21	3 1.3	20.4
202082 2004 SQ_{51}	17.2	X	108.06456	92.41798	328.57285	2.15633	0.2183468	0.25895627	2.4377272	21	3 2.4	20.2
202083 2004 ST_{53}	16.5	X	127.15652	43.90614	20.76529	5.51968	0.1383933	0.26249043	2.4157968	21	3 20.6	19.6
202084 2004 SE_{56}	17.2	X	180.45922	359.70879	9.32078	5.96095	0.1461085	0.26477784	2.4018633	21	3 7.0	20.7
202085 2004 SZ_{60}	16.4	X	98.11798	77.32845	218.03666	15.06998	0.1843249	0.24108065	2.5567866	21	12 16.7	20.7
202086 2004 TZ	16.7	X	102.01105	318.82541	52.73309	6.21244	0.2571410	0.25226939	2.4806168	21	—	—
202087 2004 TU_{1}	16.7	X	30.23153	190.45955	124.63397	7.52277	0.1899818	0.29270947	2.2465265	21	11 8.8	19.2
202088 2004 TB_{2}	17.1	X	93.97492	349.34823	323.43090	1.51413	0.1525933	0.24370910	2.5383697	21	—	—
202089 2004 TP_{3}	17.1	X	7.22063	142.77620	22.11359	3.52381	0.0473772	0.26007588	2.4307260	21	1 29.1	19.9
202090 2004 TN_{7}	16.2	X	136.28693	272.67813	110.66627	8.14681	0.1448091	0.25889434	2.4381159	21	2 6.9	19.4
202091 2004 TF_{14}	16.6	X	69.88710	149.92057	176.64666	5.37883	0.2256010	0.24090858	2.5580039	21	—	—
202092 Algirdas	16.9	X	351.98105	334.95243	5.47259	13.38187	0.2565346	0.22964392	2.6409859	21	9 22.1	18.8
202093 2004 TP_{17}	16.3	X	212.60010	74.73621	308.30036	4.59790	0.0327434	0.21070118	2.7969931	21	4 29.3	20.3
202094 2004 TM_{18}	15.5	X	349.41913	253.71002	104.88392	12.48440	0.2038757	0.22929393	2.6436727	21	10 17.8	18.2
202095 2004 TQ_{20}	16.9	X	355.83332	178.85939	134.73698	5.14621	0.1660629	0.28425181	2.2908706	21	8 19.3	18.4
202096 2004 TE_{26}	17.5	X	204.81012	148.38102	198.97922	5.39012	0.1356397	0.26581133	2.3956336	21	2 27.9	21.2
202097 2004 TS_{28}	17.2	X	318.82133	112.91752	137.68301	2.02995	0.1457929	0.27005994	2.3704417	21	2 27.1	19.9
202098 2004 TB_{29}	17.4	X	240.10645	115.63369	171.76411	2.59964	0.1665781	0.26369961	2.4084061	21	1 18.8	21.2
202099 2004 TK_{29}	16.9	X	248.13455	145.20966	166.15400	4.63323	0.1285617	0.26822580	2.3812355	21	2 26.2	20.3
202100 2004 TV_{34}	16.6	X	339.91679	249.34321	21.72418	8.77745	0.1920185	0.27780035	2.3262025	21	4 22.9	18.7
202101 2004 TA_{35}	17.0	X	201.68199	354.87898	20.25495	3.93881	0.1498443	0.26851298	2.3795373	21	4 2.7	20.7
202102 2004 TB_{36}	17.4	X	279.19719	85.92208	209.70910	0.82378	0.1845931	0.27047130	2.3680376	21	3 4.8	20.9
202103 2004 TK_{36}	16.9	X	8.10739	203.24962	10.53873	1.09203	0.1376043	0.26891146	2.3771861	21	3 31.2	18.9
202104 2004 TV_{40}	17.2	X	339.32714	256.91749	17.20789	5.60071	0.2207082	0.27834899	2.3231448	21	4 21.9	19.1
202105 2004 TJ_{41}	16.5	X	105.90196	259.97080	154.16633	2.34962	0.2072253	0.25628118	2.4546613	21	2 17.2	19.3
202106 2004 TH_{42}	16.7	X	13.59024	38.03647	337.09839	3.12593	0.2008705	0.23634079	2.5908579	21	12 22.2	19.5
202107 2004 TB_{49}	17.0	X	179.11260	247.61375	55.88706	2.06720	0.1812455	0.25428457	2.4674936	21	—	—
202108 2004 TQ_{52}	17.3	X	207.73641	339.73457	14.98005	1.30320	0.1942465	0.26527868	2.3988393	21	3 14.1	21.3
202109 2004 TZ_{53}	17.0	X	139.28982	36.79303	46.14595	2.81293	0.1826334	0.26419080	2.4054200	21	5 1.3	20.5
202110 2004 TC_{55}	16.3	X	121.53500	61.87213	207.87961	7.69503	0.1326980	0.23675247	2.5878536	21	12 5.2	20.3
202111 2004 TL_{59}	17.4	X	122.60222	301.67269	159.80088	2.11465	0.1744048	0.26682004	2.3895920	21	5 7.3	20.6
202112 2004 TT_{72}	17.1	X	236.79757	270.79202	9.63783	1.40382	0.1691861	0.25996949	2.4313891	21	1 8.7	20.9
202113 2004 TJ_{104}	16.5	X	31.09911	236.30287	86.14981	7.68654	0.1638154	0.29162547	2.2520900	21	11 14.8	18.9
202114 2004 TM_{113}	16.6	X	262.86455	136.57417	214.03114	4.86822	0.0582070	0.21350338	2.7724659	21	5 18.5	20.3
202115 2004 TZ_{115}	16.9	X	211.51057	260.42649	71.87149	4.87511	0.1842144	0.26650742	2.3914603	21	2 19.6	20.8
202116 2004 TC_{116}	16.7	X	146.99470	289.36737	68.77786	8.19973	0.1755629	0.25795190	2.4440508	21	1 22.4	20.2
202117 2004 TO_{116}	16.6	X	156.52066	34.42933	319.23478	5.01450	0.1186048	0.25720508	2.4487795	21	1 19.6	19.9
202118 2004 TE_{118}	16.1	X	94.85003	289.09001	34.86706	14.02737	0.1176430	0.24412867	2.5354606	21	—	—
202119 2004 TD_{121}	16.1	X	1.17245	215.83920	358.81748	9.98384	0.0235015	0.26785533	2.3834307	21	3 28.1	18.8
202120 2004 TL_{121}	17.6	X	140.72670	46.73005	351.41125	1.69072	0.1728529	0.26081588	2.4261260	21	3 5.1	21.1
202121 2004 TL_{124}	16.4	X	179.84146	67.31265	33.44085	9.23882	0.0467487	0.27929821	2.3178782	21	7 2.2	19.6
202122 2004 TY_{127}	16.4	X	283.50151	228.56035	48.38981	3.20281	0.0643817	0.26674682	2.3900293	21	3 2.4	19.5
202123 2004 TC_{131}	16.8	X	318.49199	107.77312	233.48569	1.98928	0.1877287	0.28201456	2.3029704	21	7 4.4	18.9
202124 2004 TM_{146}	17.3	X	213.60259	129.54367	194.60620	12.26454	0.2120187	0.26395730	2.4068384	21	2 6.7	21.5
202125 2004 TQ_{150}	17.4	X	16.51804	247.12914	274.75599	1.33283	0.1541047	0.25953719	2.4340883	21	1 28.6	19.5
202126 2004 TZ_{161}	17.1	X	227.24986	322.63850	34.58221	3.34721	0.0924231	0.26807006	2.3821577	21	4 7.2	20.3
202127 2004 TB_{169}	16.5	X	139.07872	313.73462	99.57044	3.64019	0.1852696	0.26207603	2.4183427	21	3 25.9	20.1
202128 2004 TJ_{169}	17.2	X	124.49340	233.33215	156.72370	4.76641	0.1977249	0.25694785	2.4504136	21	2 7.5	20.3
202129 2004 TM_{170}	16.2	X	172.70032	350.67612	71.41857	7.78630	0.2233342	0.26782113	2.3836336	21	5 9.1	20.1
202130 2004 TF_{176}	16.3	X	32.48105	314.21335	44.55182	3.59102	0.2556763	0.23711572	2.5852099	21	—	—
202131 2004 TO_{178}	17.0	X	296.71609	93.66942	187.62350	3.16111	0.1513772	0.27259645	2.3557141	21	3 9.5	20.0
202132 2004 TP_{184}	17.0	X	275.85814	13.08035	249.42187	2.08990	0.1670728	0.26473235	2.4021385	21	1 21.2	20.6
202133 2004 TU_{201}	16.5	X	322.97903	287.32203	0.27414	4.22019	0.0340372	0.21061614	2.7977460	21	5 17.5	20.1
202134 2004 TX_{202}	16.4	X	353.61349	9.39726	239.81937	5.70368	0.0932442	0.26881750	2.3777399	21	4 30.1	18.8
202135 2004 TH_{209}	17.4	X	276.88251	292.26263	3.97898	0.79078	0.1617791	0.27117162	2.3639587	21	3 5.9	20.9
202136 2004 TA_{211}	15.9	X	333.11925	70.88664	201.27071	5.68653	0.0155456	0.21329553	2.7742667	21	5 14.8	19.6
202137 2004 TH_{218}	17.4	X	293.09519	84.15526	150.14479	1.65954	0.1125348	0.26195547	2.4190847	21	1 10.4	20.7
202138 2004 TE_{221}	16.4	X	222.85190	240.58955	55.00368	9.80801	0.2305618	0.26288797	2.4133607	21	1 15.8	20.7
202139 2004 TF_{241}	16.8	X	7.29798	215.83832	218.05868	4.79878	0.1687808	0.24335657	2.5408206	21	—	—
202140 2004 TM_{247}	15.5	X	304.07968	306.34203	96.10982	14.43979	0.1008676	0.22822317	2.6519351	21	9 27.4	19.0
202141 2004 TX_{272}	16.3	X	251.08886	247.23856	23.08570	7.31343	0.1889441	0.25778576	2.4451008	21	1 9.6	20.4
202142 2004 TA_{273}	16.0	X	202.99365	132.20261	271.16536	2.53011	0.0991415	0.21043314	2.7993678	21	5 13.7	20.3
202143 2004 TC_{278}	17.0	X	333.69398	271.82305	177.91088	3.30956	0.1493691	0.23802395	2.5786295	21	—	—
202144 2004 TU_{280}	16.8	X	243.31225	273.54807	14.37613	1.92846	0.1634125	0.25961383	2.4336091	21	1 24.0	20.7
202145 2004 TR_{283}	17.6	X	111.94715	132.61396	178.95606	0.81390	0.2027145	0.24692905	2.5162547	21	—	—
202146 2004 TO_{290}	15.7	X	125.50341	300.17744	11.92224	14.97171	0.1469421	0.24583864	2.5236897	21	—	—
202147 2004 TC_{311}	16.0	X	313.97945	227.15968	250.83822	13.22539	0.1233422	0.24095335	2.5576871	21	—	—
202148 2004 TX_{317}	17.1	X	156.58146	92.57703	218.96689	8.57000	0.2050170	0.25216377	2.4813094	21	—	—
202149 2004 TH_{324}	16.5	X	273.06544	219.14532	61.46165	4.74863	0.0771420	0.26098291	2.4250908	21	2 22.5	19.8
202150 2004 TJ_{337}	17.2	X	355.06612	117.51101	262.44737	0.21935	0.1326842	0.23559378	2.5963316	21	11 17.4	19.9
202151 2004 TL_{337}	17.3	X	171.28964	92.71678	222.18753	0.73516	0.1926875	0.25677638	2.4515044	21	—	—
202152 2004 TP_{343}	16.3	X	74.52355	138.43886	210.33147	7.97558	0.1203163	0.24197403	2.5504895	21	—	—
202153 2004 TT_{343}	16.8	X	158.78413	33.14995	62.96900	3.81742	0.1524536	0.26954389	2.3734662	21	6 4.6	20.5
202154 2004 TB_{345}	16.0	X	24.33447	358.57158	52.28800	15.47310	0.0936966	0.24003306	2.5642204	21	—	—
202155 2004 TX_{368}	16.0	X	59.27119	94.57530	225.98080	12.47023	0.2148681	0.23542055	2.5976052	21	12 12.7	19.9
202156 2004 US_{7}	16.3	X	323.83206	87.15400	25.39474	12.59171	0.2147125	0.23845019	2.5755556	21	—	—
202157 2004 VV_{2}	16.8	X	324.07198	61.63295	220.14032	4.44768	0.0887139	0.27123068	2.3636156	21	4 29.4	19.3
202158 2004 VX_{5}	16.9	X	108.58350	349.37121	95.41394	2.14569	0.1614287	0.25909720	2.4368431	21	3 27.9	19.9
202159 2004 VC_{7}	16.4	X	75.07788	259.30201	180.07195	4.16389	0.1457428	0.25261741	2.4783380	21	1 23.7	19.0
202160 2004 VR_{15}	16.7	X	214.85320	63.95972	235.52813	7.40564	0.2028245	0.25820756	2.4424372	21	1 11.7	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202161 2004 VE_{22}	16.8	X	157.60530	19.53753	84.99111	4.08840	0.1341377	0.26883573	2.3776325	21	6 13.9	20.4
202162 2004 VU_{25}	17.1	X	39.76424	309.52571	40.21115	6.90761	0.3140213	0.23791012	2.5794519	21	—	—
202163 2004 VL_{29}	17.0	X	87.69527	113.12404	70.67770	3.72971	0.0893820	0.27198419	2.3592481	21	7 3.4	19.9
202164 2004 VA_{41}	16.6	X	117.01310	81.43746	221.31584	4.04207	0.1317568	0.24077488	2.5589508	21	—	—
202165 2004 VR_{43}	15.9	X	275.52747	151.04790	205.32364	5.73119	0.0537307	0.21442296	2.7645335	21	6 12.0	19.7
202166 2004 VY_{48}	16.0	X	328.48755	14.89637	102.88731	5.68019	0.1892773	0.23909979	2.5708886	21	—	—
202167 2004 VQ_{59}	16.1	X	9.65330	42.43764	34.72992	5.68683	0.1974502	0.24081183	2.5586890	21	—	—
202168 2004 VA_{60}	15.7	X	108.24806	39.39510	255.47344	12.03780	0.1657468	0.23763156	2.5814674	21	12 23.7	19.8
202169 2004 VD_{60}	15.7	X	134.07290	287.09128	19.60837	4.79255	0.1932425	0.24418300	2.5350845	21	—	—
202170 2004 VE_{69}	16.8	X	98.66489	111.85466	224.24548	2.97920	0.1011730	0.24058334	2.5603088	21	—	—
202171 2004 VE_{71}	15.8	X	60.80128	293.28518	61.77174	6.23983	0.1382499	0.23882183	2.5728830	21	—	—
202172 2004 VH_{87}	16.1	X	17.07692	348.95328	350.77028	4.00710	0.1651353	0.23049141	2.6345082	21	10 31.9	19.1
202173 2004 WA_{1}	16.4	X	3.25547	74.55909	217.50850	12.97602	0.0791421	0.21964662	2.7205270	21	7 19.7	19.9
202174 2004 WB_{3}	16.0	X	314.02453	47.65139	88.51830	6.55675	0.2251234	0.23938428	2.5688513	21	—	—
202175 2004 XQ_{3}	15.6	X	103.92286	210.75130	273.52475	24.29938	0.1913404	0.25961550	2.4335987	21	5 16.6	19.2
202176 2004 XT_{4}	15.9	X	358.13901	282.63543	47.61658	10.31110	0.1328355	0.22305647	2.6927302	21	9 16.5	18.9
202177 2004 XH_{5}	16.1	X	293.84296	357.77029	63.68481	2.30159	0.0851514	0.22496531	2.6774766	21	10 1.8	19.4
202178 2004 XV_{7}	16.7	X	133.43025	308.49095	143.84522	1.71351	0.1497845	0.26176183	2.4202775	21	5 4.7	20.2
202179 2004 XU_{11}	15.7	X	347.63502	279.23693	184.64992	11.85233	0.2178812	0.23871781	2.5736303	21	—	—
202180 2004 XW_{11}	15.7	X	351.97282	251.79547	189.38978	13.28950	0.1472399	0.23683814	2.5872295	21	—	—
202181 2004 XE_{13}	16.1	X	250.35159	237.32733	229.96766	3.09636	0.1260960	0.22241661	2.6978920	21	9 23.5	19.7
202182 2004 XV_{18}	16.8	X	131.73799	283.18528	187.91613	1.19044	0.1421336	0.26432073	2.4046317	21	5 26.6	20.0
202183 2004 XE_{21}	17.2	X	234.97251	198.25107	196.81257	0.97854	0.1939709	0.27242486	2.3567032	21	5 28.0	20.7
202184 2004 XC_{22}	15.5	X	18.61406	172.95010	262.50394	12.69524	0.1641370	0.24017113	2.5632375	21	—	—
202185 2004 XN_{27}	16.4	X	313.38783	68.07996	69.07537	1.58695	0.1294039	0.23756606	2.5819418	21	—	—
202186 2004 XM_{32}	16.5	X	116.90750	23.42890	72.92433	2.59259	0.0832438	0.26007632	2.4307232	21	4 11.5	19.6
202187 2004 XS_{37}	15.2	X	334.94794	219.48398	67.54172	18.09040	0.1299351	0.21184044	2.7869561	21	5 25.6	18.5
202188 2004 XZ_{40}	15.4	X	294.34145	114.77077	74.54448	14.03994	0.1023771	0.24054782	2.5605609	21	—	—
202189 2004 XQ_{43}	15.9	X	238.92541	204.62050	111.77394	3.27524	0.0826356	0.19891648	2.9064011	21	3 8.4	20.2
202190 2004 XZ_{46}	16.1	X	343.07061	206.04957	188.05830	1.62001	0.1098550	0.22825947	2.6516539	21	11 13.1	18.8
202191 2004 XA_{48}	16.7	X	176.75862	174.46847	47.59963	4.58982	0.1026832	0.22753148	2.6573069	21	11 28.9	20.7
202192 2004 XO_{50}	15.6	X	319.02282	287.87584	92.32466	8.19608	0.1140614	0.21909481	2.7250929	21	9 14.8	18.8
202193 2004 XX_{56}	16.3	X	6.60936	176.33171	234.16111	1.28070	0.1785230	0.23443575	2.6048746	21	—	—
202194 2004 XV_{57}	16.3	X	304.60882	219.55549	243.40002	1.65131	0.0485105	0.23040419	2.6351730	21	12 15.5	19.4
202195 2004 XS_{64}	16.7	X	208.03655	185.26610	295.42486	8.71783	0.1362622	0.27910858	2.3189280	21	8 24.4	20.1
202196 2004 XE_{71}	15.4	X	213.68836	248.40630	256.11534	13.03737	0.1470072	0.21881486	2.7274168	21	9 21.9	20.0
202197 2004 XQ_{73}	16.0	X	15.71815	126.29051	277.37441	3.75650	0.1284502	0.23808813	2.5781660	21	—	—
202198 2004 XW_{76}	15.9	X	313.11498	39.26037	71.03666	28.85992	0.0418609	0.23665354	2.5885747	21	—	—
202199 2004 XW_{77}	15.7	X	116.18596	259.52393	78.43261	14.67330	0.2321751	0.24546518	2.5262488	21	—	—
202200 2004 XN_{81}	15.5	X	306.17148	260.24647	107.75812	6.12350	0.1324938	0.21782877	2.7356417	21	7 30.9	18.7
202201 2004 XC_{82}	16.8	X	315.23382	218.68074	231.34490	3.51739	0.1765193	0.23259050	2.6186336	21	12 10.9	19.3
202202 2004 XB_{84}	16.1	X	74.88164	96.94097	12.38375	1.87558	0.1084775	0.25207186	2.4819126	21	3 3.7	18.8
202203 2004 XK_{86}	16.6	X	137.40312	297.11649	123.95891	3.16475	0.1722477	0.25635683	2.4541783	21	4 1.8	20.1
202204 2004 XK_{88}	16.1	X	46.86981	48.08640	38.48556	2.40364	0.1210629	0.24617222	2.5214093	21	—	—
202205 2004 XB_{100}	16.5	X	183.23372	195.22189	197.58886	0.83445	0.1840809	0.26067158	2.4270213	21	4 9.1	20.3
202206 2004 XJ_{101}	15.3	X	228.44497	229.29823	288.80906	11.56450	0.1097292	0.22427117	2.6829984	21	10 31.8	19.4
202207 2004 XT_{101}	16.1	X	56.35874	358.98088	34.92509	6.40039	0.3106537	0.24056961	2.5604062	21	—	—
202208 2004 XB_{103}	15.8	X	47.02828	342.20573	73.86119	15.48044	0.2425947	0.24127167	2.5554369	21	—	—
202209 2004 XG_{103}	15.5	X	297.81338	357.15268	73.53793	15.53577	0.0906707	0.22353188	2.6889109	21	10 25.6	19.0
202210 2004 XA_{105}	15.3	X	111.84822	247.71667	78.69184	11.72737	0.1548468	0.23883326	2.5728009	21	—	—
202211 2004 XV_{106}	16.3	X	351.68812	73.33493	330.00700	2.95452	0.1211653	0.23187333	2.6240303	21	12 11.7	19.3
202212 2004 XG_{109}	16.5	X	317.15318	56.01459	325.20627	2.83029	0.2223726	0.22395313	2.6855379	21	8 26.3	18.9
202213 2004 XQ_{121}	16.6	X	309.41217	165.47612	286.46837	2.56387	0.1561848	0.22905692	2.6454960	21	12 1.5	19.4
202214 2004 XS_{122}	17.1	X	162.12462	8.79434	91.23089	2.15140	0.1391560	0.26713491	2.3877139	21	6 12.9	20.7
202215 2004 XT_{122}	16.4	X	293.27182	67.76847	98.71347	2.39607	0.0507563	0.23992242	2.5650086	21	—	—
202216 2004 XW_{124}	16.5	X	147.13271	199.18885	289.10220	4.72609	0.1359567	0.26896959	2.3768435	21	7 4.9	20.1
202217 2004 XR_{125}	16.1	X	323.60207	31.48445	23.43636	14.63827	0.2373925	0.22831319	2.6512380	21	10 30.8	18.3
202218 2004 XX_{128}	16.2	X	311.43309	343.80535	81.04288	4.94053	0.2015651	0.22756953	2.6570107	21	10 25.2	18.6
202219 2004 XC_{134}	15.0	X	298.50723	240.25724	315.66608	5.64531	0.0570218	0.18709555	3.0275669	21	—	—
202220 2004 XQ_{146}	15.9	X	353.21333	17.78405	78.29357	14.47610	0.0954841	0.23381232	2.6095029	21	—	—
202221 2004 XY_{146}	15.8	X	299.99694	24.48349	94.06051	12.58560	0.1326969	0.23006769	2.6377419	21	12 23.8	18.4
202222 2004 XG_{148}	15.7	X	217.32671	201.84658	310.64661	6.77731	0.2104316	0.21809703	2.7333980	21	10 2.5	20.3
202223 2004 XV_{176}	16.5	X	293.54613	148.49739	217.71460	4.38093	0.0643077	0.21296533	2.7771336	21	7 17.4	20.1
202224 2004 XQ_{180}	16.2	X	13.41965	204.92636	295.74964	6.91846	0.1710076	0.24247692	2.5469619	21	—	—
202225 2004 XH_{191}	15.9	X	15.30455	341.49856	64.83965	14.22576	0.2012419	0.23516477	2.5994883	21	—	—
202226 2004 XB_{192}	15.8	X	358.95119	262.25531	259.58785	4.32247	0.2299580	0.18447172	3.0562076	21	1 9.4	19.1
202227 2004 YL_{1}	15.6	X	189.66642	13.66977	121.58767	15.09854	0.1831618	0.21282019	2.7783961	21	8 24.9	20.3
202228 2004 YQ_{4}	15.5	X	310.62674	146.84096	284.10706	13.37722	0.0359633	0.22824547	2.6517623	21	11 8.9	19.2
202229 2004 YR_{5}	15.5	X	265.73902	18.43015	37.06216	26.16226	0.1132967	0.21579872	2.7527714	21	8 23.9	19.9
202230 2004 YG_{13}	15.8	X	33.20252	176.31838	108.25357	7.20898	0.0511530	0.21311666	2.7758188	21	8 29.1	19.4
202231 2004 YM_{16}	16.5	X	162.70731	310.99291	97.80829	7.08986	0.1188563	0.25697688	2.4502291	21	4 10.0	20.2
202232 2004 YV_{21}	16.0	X	60.19280	293.99393	300.25884	6.26547	0.1810290	0.26432887	2.4045823	21	8 18.9	18.8
202233 2004 YA_{23}	15.9	X	58.24588	336.01841	299.25734	2.96910	0.0637058	0.21308509	2.7760930	21	9 18.7	19.6
202234 2004 YQ_{26}	16.3	X	279.88779	335.66419	119.87829	3.72222	0.0482594	0.22280402	2.6947637	21	11 1.2	19.8
202235 2004 YC_{29}	16.9	X	152.71726	344.16022	163.01769	2.10729	0.1510401	0.27052796	2.3677069	21	8 5.3	20.4
202236 2004 YF_{31}	14.9	X	338.47885	268.90865	125.80883	28.82404	0.1958311	0.22527118	2.6750524	21	11 20.6	18.3
202237 2004 YF_{35}	15.8	X	358.25214	234.25482	258.95212	11.04436	0.1502899	0.23952084	2.5678748	21	—	—
202238 2005 AC_{2}	16.6	X	63.37365	330.62783	106.52610	2.09645	0.1572475	0.24451526	2.5327874	21	1 3.4	19.0
202239 2005 AM_{6}	15.5	X	1.12908	239.89579	104.25339	14.72508	0.0003843	0.21757954	2.7377304	21	10 4.6	19.5
202240 2005 AO_{6}	16.4	X	187.77647	106.16768	270.97548	4.98966	0.0827456	0.25694277	2.4504459	21	3 18.5	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202241 2005 AB_{7}	15.7	X	11.59223	287.98320	104.99325	13.33779	0.1021639	0.22773680	2.6557095	21	12 26.2	18.9
202242 2005 AB_{11}	15.4	X	175.42557	250.60290	299.45506	11.48532	0.1322007	0.21766817	2.7369872	21	10 11.7	20.1
202243 2005 AN_{13}	16.6	X	12.72412	66.49413	332.23654	2.41844	0.2580671	0.23393220	2.6086113	21	—	—
202244 2005 AW_{13}	16.2	X	50.15977	345.16789	52.40294	3.49832	0.1425409	0.23735334	2.5834842	21	—	—
202245 2005 AZ_{13}	16.3	X	322.57722	155.23879	24.05415	5.07458	0.1252299	0.24201606	2.5501942	21	—	—
202246 2005 AE_{14}	15.1	X	136.10943	57.95346	100.07622	9.45765	0.1054445	0.20318669	2.8655361	21	7 30.1	19.4
202247 2005 AW_{15}	16.2	X	342.17514	125.43155	297.44745	3.13451	0.0662680	0.22863822	2.6487247	21	12 17.8	19.4
202248 2005 AB_{16}	15.3	X	340.42688	256.02800	126.24989	12.99969	0.2940044	0.22560576	2.6724069	21	11 4.4	17.4
202249 2005 AS_{16}	16.5	X	259.74370	187.96751	287.35485	2.68763	0.1658958	0.22348050	2.6893229	21	10 9.9	20.2
202250 2005 AV_{17}	16.2	X	228.92790	149.01220	303.37336	7.32118	0.1983635	0.21392309	2.7688384	21	8 3.6	20.7
202251 2005 AE_{21}	16.3	X	18.44487	340.11611	57.56667	4.79394	0.2256990	0.23215734	2.6218898	21	—	—
202252 2005 AN_{22}	16.2	X	354.97109	18.22751	68.61125	5.41097	0.1808312	0.23674456	2.5879112	21	—	—
202253 2005 AW_{25}	16.4	X	11.92858	320.27899	256.18029	3.48257	0.1395448	0.25564289	2.4587455	21	4 13.0	18.8
202254 2005 AW_{26}	15.6	X	192.64008	169.92591	265.43571	6.03875	0.1000963	0.20364797	2.8612073	21	6 13.2	20.1
202255 2005 AF_{30}	16.2	X	288.63707	102.75889	30.39078	11.02889	0.2375344	0.22831836	2.6511979	21	12 7.7	19.0
202256 2005 AA_{31}	16.6	X	136.30844	15.74466	115.03672	6.30579	0.1473243	0.26490265	2.4011089	21	6 27.5	20.0
202257 2005 AM_{32}	16.3	X	162.74595	174.06147	294.98213	6.17287	0.1115585	0.26551911	2.3973910	21	6 24.7	19.9
202258 2005 AA_{39}	16.1	X	249.14321	114.55647	101.46139	8.39447	0.2007704	0.23209835	2.6223341	21	—	—
202259 2005 AA_{40}	15.4	X	238.10399	112.26604	58.90509	13.65821	0.1048277	0.22718432	2.6600133	21	12 3.1	18.9
202260 2005 AO_{43}	15.4	X	336.16679	27.37370	67.04969	18.00840	0.1551063	0.23078631	2.6322635	21	—	—
202261 2005 AM_{54}	16.0	X	70.24470	358.54659	41.41177	3.77454	0.2521222	0.24074105	2.5591905	21	—	—
202262 2005 AO_{55}	16.8	X	169.45237	300.76072	156.86535	2.40386	0.0998521	0.26554599	2.3972292	21	6 16.1	20.1
202263 2005 AK_{60}	16.0	X	336.62985	286.20207	93.42080	5.85379	0.1244056	0.21989415	2.7184849	21	10 13.9	19.0
202264 2005 AB_{61}	15.7	X	215.30530	229.08522	305.22671	6.27689	0.0586521	0.22339566	2.6900038	21	11 14.2	19.5
202265 2005 AY_{63}	15.9	X	295.19289	195.52019	140.52556	2.84246	0.0660893	0.20573271	2.8418457	21	6 9.9	19.7
202266 2005 AH_{69}	15.9	X	188.04555	249.12552	174.85823	2.07246	0.0567801	0.20249942	2.8720160	21	5 25.5	20.2
202267 2005 AZ_{69}	16.3	X	331.25792	309.32258	97.97437	3.85583	0.0429819	0.22274558	2.6952351	21	11 10.6	19.7
202268 2005 AP_{71}	16.7	X	326.04670	139.14923	328.14264	2.70504	0.0472242	0.23103329	2.6303872	21	—	—
202269 2005 AZ_{72}	16.8	X	195.33844	77.14514	354.24010	1.62182	0.0491276	0.20384163	2.8593948	21	6 11.9	21.0
202270 2005 AV_{80}	15.9	X	282.39950	162.09744	53.27091	2.46517	0.0831459	0.17925427	3.1152271	21	—	—
202271 2005 AK_{81}	15.3	X	216.96504	7.29927	103.75489	16.20596	0.0727843	0.21295310	2.7772399	21	8 31.9	19.6
202272 2005 BA_{3}	15.5	X	45.47842	237.03938	118.06354	10.62253	0.1858216	0.23199276	2.6231297	21	—	—
202273 2005 BO_{5}	16.5	X	37.18736	52.13224	141.45840	5.70503	0.1562750	0.25413552	2.4684583	21	5 5.9	18.9
202274 2005 BA_{15}	16.3	X	326.53880	87.78670	266.93935	4.87399	0.0633360	0.21403554	2.7678685	21	8 19.2	19.8
202275 2005 BA_{19}	16.2	X	199.98824	112.60970	14.93856	4.94737	0.1039437	0.21334134	2.7738695	21	8 28.3	20.4
202276 2005 BO_{20}	15.9	X	288.81087	297.71440	315.11428	7.81603	0.2166946	0.18425394	3.0586153	21	1 30.4	20.5
202277 2005 BH_{22}	16.4	X	86.88481	287.85073	111.31688	3.88190	0.1966875	0.24278759	2.5447887	21	—	—
202278 2005 BT_{22}	16.3	X	332.81724	34.70458	334.51821	4.60170	0.0672023	0.21572407	2.7534064	21	9 19.1	19.7
202279 2005 BT_{23}	16.3	X	228.84546	58.27876	72.27634	5.64560	0.0589259	0.21909574	2.7250853	21	10 9.9	20.1
202280 2005 BC_{26}	16.2	X	353.36573	275.79916	153.51787	4.47437	0.2321644	0.23114369	2.6295495	21	—	—
202281 2005 BF_{26}	15.6	X	342.01276	305.68457	351.70175	6.37000	0.0388063	0.20341880	2.8633558	21	6 28.8	19.4
202282 2005 BJ_{26}	15.6	X	205.34332	275.02874	124.78636	17.74057	0.0796630	0.19985928	2.8972535	21	5 19.4	20.3
202283 2005 BL_{26}	15.9	X	324.51977	280.99201	101.54891	6.36793	0.0703620	0.21833615	2.7314020	21	9 29.3	19.3
202284 2005 BA_{38}	15.9	X	171.25931	255.57567	95.07311	2.44041	0.0676549	0.18682242	3.0305170	21	2 8.1	20.3
202285 2005 BH_{44}	16.8	X	29.11356	166.19837	160.80601	1.46516	0.0830963	0.21940776	2.7225011	21	10 22.0	20.3
202286 2005 BM_{46}	15.7	X	214.69594	214.23296	117.59794	3.36730	0.1444962	0.19081447	2.9881004	21	3 1.5	20.5
202287 2005 BJ_{48}	15.6	X	30.58368	200.35456	299.87480	5.22762	0.0704408	0.18467673	3.0539454	21	2 13.2	19.6
202288 2005 CR_{11}	16.0	X	165.46743	153.99711	104.51433	2.88274	0.0344654	0.22637084	2.6663821	21	—	—
202289 2005 CA_{16}	16.3	X	271.35075	125.04742	143.53252	1.70367	0.0631356	0.24699667	2.5157954	21	2 6.4	19.6
202290 2005 CT_{19}	16.1	X	184.73160	13.55333	306.89753	12.87666	0.1867861	0.24222285	2.5487426	21	1 15.6	20.3
202291 2005 CV_{22}	16.0	X	39.80553	332.38146	89.32682	5.59184	0.2338599	0.23811487	2.5779730	21	—	—
202292 2005 CY_{24}	16.3	X	266.31927	208.27392	254.28524	6.93355	0.1691744	0.22048446	2.7136306	21	9 29.1	20.0
202293 2005 CQ_{27}	16.7	X	225.48640	206.23595	219.58079	2.17711	0.1832510	0.20958143	2.8069468	21	6 29.3	21.2
202294 2005 CR_{28}	16.8	X	259.52984	44.95795	16.98426	3.18158	0.1684966	0.21274875	2.7790181	21	8 2.0	20.8
202295 2005 CL_{40}	16.8	X	290.01041	341.81511	64.93673	4.13528	0.1041438	0.21548487	2.7554436	21	9 3.3	20.2
202296 2005 CC_{41}	16.0	X	196.33991	305.60701	111.46982	6.76459	0.0883318	0.20039737	2.8920649	21	5 26.6	20.4
202297 2005 CH_{43}	16.3	X	180.76191	249.82378	331.34794	2.29401	0.0431156	0.22375911	2.6870901	21	12 5.5	20.0
202298 2005 CG_{51}	17.1	X	281.63716	146.71557	323.25094	6.78895	0.2568681	0.22355845	2.6886978	21	10 17.6	20.3
202299 2005 CR_{51}	15.7	X	283.79059	135.95083	322.83344	9.91618	0.1995021	0.22218365	2.6997775	21	10 13.2	19.0
202300 2005 CL_{52}	15.5	X	0.30795	147.29922	72.43582	5.20273	0.1531800	0.19041289	2.9923002	21	4 9.4	18.8
202301 2005 CE_{53}	16.0	X	273.86568	11.21814	116.07620	5.47193	0.0508684	0.22197072	2.7015039	21	12 2.8	19.4
202302 2005 CF_{61}	15.9	X	282.67615	165.92239	63.13018	4.27811	0.0273900	0.18047758	3.1011341	21	1 19.6	20.3
202303 2005 CM_{63}	15.6	X	195.45823	127.37862	314.24704	14.13950	0.1138197	0.20393517	2.8585204	21	6 25.2	20.2
202304 2005 CV_{70}	16.6	X	127.46516	25.05562	82.09483	3.22176	0.0820616	0.19637516	2.9314221	21	5 13.6	20.9
202305 2005 CX_{78}	16.0	X	215.03551	275.74843	195.03981	7.27821	0.1889298	0.21072803	2.7967555	21	8 12.5	20.7
202306 2005 CQ_{79}	15.6	X	340.99494	100.96848	144.08807	1.45969	0.1105202	0.18994075	2.9972568	21	4 12.5	19.3
202307 2005 DQ	15.5	X	76.89582	345.53572	165.87018	6.56610	0.0758955	0.19170964	2.9787914	21	5 7.4	19.5
202308 2005 DN_{3}	16.5	X	138.87898	149.37622	338.48423	6.48552	0.0825993	0.19912756	2.9043467	21	6 21.8	20.9
202309 2005 ER_{4}	15.3	X	55.02390	251.02518	158.81950	10.37168	0.1100034	0.17198570	3.2023920	21	—	—
202310 2005 ER_{11}	16.0	X	306.46738	56.29824	82.04304	3.22572	0.0252098	0.22976590	2.6400511	21	—	—
202311 2005 EC_{12}	15.3	X	312.16698	202.01172	56.65547	3.74394	0.0150847	0.18973044	2.9994713	21	4 2.5	19.4
202312 2005 EF_{12}	14.8	X	209.49637	273.84176	354.90416	11.47610	0.0680677	0.17295816	3.1903770	21	—	—
202313 2005 EO_{13}	15.8	X	299.46881	114.20526	126.80272	3.75071	0.2221333	0.17919368	3.1159292	21	1 27.3	20.2
202314 2005 EM_{18}	14.1	X	302.92170	276.46663	336.97266	7.64169	0.1341962	0.12442500	3.9737233	21	3 6.2	19.7
202315 2005 ED_{20}	16.3	X	204.62892	79.08136	131.00783	3.50172	0.1369588	0.22182261	2.7027062	21	12 9.8	20.4
202316 2005 EZ_{28}	15.3	X	132.21153	77.66368	11.66528	9.80744	0.0679327	0.18960645	3.0007788	21	4 22.8	19.7
202317 2005 ET_{31}	15.9	X	279.48834	311.23387	107.75761	4.53183	0.0925567	0.21095920	2.7947121	21	9 5.6	19.5
202318 2005 ED_{32}	16.0	X	277.60297	288.25885	280.07858	0.20986	0.1544798	0.17219839	3.1997545	21	—	—
202319 2005 ED_{47}	15.4	X	106.09687	209.94019	177.85419	9.52130	0.0769937	0.17476945	3.1682957	21	1 11.3	20.0
202320 2005 EO_{49}	16.1	X	267.91449	248.67620	238.47678	2.10314	0.1234899	0.22111760	2.7084480	21	11 12.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202321 2005 EG_{55}	15.7	X	146.69371	65.05841	347.06479	9.75270	0.1062014	0.18831942	3.0144354	21	3 27.9	20.2
202322 2005 EV_{58}	15.5	X	280.43296	65.73940	178.22079	4.88871	0.0838219	0.17718828	3.1393956	21	1 26.5	20.0
202323 2005 EH_{61}	15.2	X	49.30614	187.50284	325.75948	10.35064	0.0718765	0.18673495	3.0314633	21	3 25.3	19.3
202324 2005 EG_{68}	15.7	X	42.65288	321.60478	219.27475	6.21022	0.1672691	0.18896967	3.0075163	21	5 4.5	19.1
202325 2005 EK_{74}	16.4	X	226.23600	22.33488	192.42834	1.86621	0.1433854	0.22692484	2.6620407	21	—	—
202326 2005 ER_{74}	16.0	X	260.46338	270.15947	302.54228	5.35286	0.1234686	0.23217079	2.6217886	21	—	—
202327 2005 ER_{75}	16.3	X	48.04669	156.31632	11.62525	0.88561	0.0374314	0.18782796	3.0196914	21	4 12.6	20.3
202328 2005 EP_{76}	15.5	X	294.96447	60.84377	180.31758	5.32677	0.1074651	0.17929996	3.1146978	21	2 4.9	20.1
202329 2005 EM_{80}	15.6	X	39.11886	259.07688	270.90409	2.62469	0.1585505	0.18578519	3.0417860	21	4 11.1	19.0
202330 2005 EX_{85}	16.4	X	15.08470	34.69382	129.94347	7.86341	0.0953856	0.24356275	2.5393865	21	2 9.1	19.1
202331 2005 EE_{91}	15.2	X	241.88313	8.68956	302.77787	6.97531	0.0586790	0.18301469	3.0724070	21	3 5.5	19.9
202332 2005 ER_{91}	16.0	X	355.24885	129.59470	277.65665	4.84486	0.0525854	0.21997772	2.7177964	21	12 13.3	19.3
202333 2005 EK_{93}	15.5	X	201.45836	171.73144	104.52021	14.68788	0.0784111	0.23291984	2.6161646	21	—	—
202334 2005 EV_{96}	15.7	X	258.65783	287.04565	267.75469	7.97444	0.1796398	0.22925671	2.6439588	21	—	—
202335 2005 EJ_{100}	16.1	X	323.04809	109.58692	132.02964	1.61401	0.0855738	0.18613570	3.0379661	21	3 16.5	20.2
202336 2005 EN_{106}	15.4	X	252.43663	125.28722	120.63254	2.10428	0.1468334	0.17635737	3.1492488	21	—	—
202337 2005 EN_{108}	15.0	X	78.53310	159.64251	255.44671	6.43303	0.0467087	0.17677933	3.1442354	21	1 5.7	19.4
202338 2005 EV_{110}	16.3	X	306.36987	201.12139	52.97958	0.99637	0.0595865	0.18701706	3.0284139	21	3 13.6	20.5
202339 2005 EB_{112}	15.1	X	272.59978	206.64422	12.33765	15.88892	0.0447339	0.17277445	3.1926382	21	—	—
202340 2005 EC_{119}	15.0	X	196.37060	69.51824	260.27518	8.42107	0.0779640	0.18075758	3.0979308	21	2 7.1	19.8
202341 2005 EC_{122}	16.3	X	348.34932	27.20976	316.88534	2.93944	0.1090447	0.21060119	2.7978784	21	9 9.0	19.5
202342 2005 ET_{126}	15.3	X	74.97049	264.17047	187.90928	9.33487	0.0512062	0.17729662	3.1381166	21	2 13.6	19.7
202343 2005 EB_{132}	15.4	X	111.53363	13.29758	100.21080	10.72842	0.0470716	0.19346226	2.9607737	21	5 1.9	19.7
202344 2005 EU_{136}	16.5	X	100.50201	308.94599	203.10851	1.34419	0.0569484	0.19368182	2.9585356	21	6 3.8	20.7
202345 2005 EX_{144}	16.1	X	286.37231	226.82568	70.05905	1.72923	0.0549169	0.18786693	3.0192737	21	4 11.6	20.3
202346 2005 EL_{153}	14.9	X	212.92722	257.28032	88.64331	22.87658	0.0371555	0.18591048	3.0404192	21	3 31.3	19.8
202347 2005 EJ_{167}	15.7	X	158.48509	6.17837	339.45722	3.33054	0.0729457	0.17499431	3.1655810	21	1 22.1	20.4
202348 2005 ER_{170}	15.6	X	338.14802	175.97050	279.04987	12.35768	0.1388534	0.22904538	2.6455848	21	—	—
202349 2005 EK_{172}	15.8	X	62.87903	264.42118	315.58516	6.57759	0.1536515	0.19927448	2.9029190	21	7 28.4	19.5
202350 2005 ER_{173}	15.3	X	59.81679	241.81626	213.34334	6.67875	0.0828326	0.17930158	3.1146791	21	1 30.8	19.4
202351 2005 EQ_{174}	15.6	X	174.74558	118.42186	324.29233	4.86877	0.1016625	0.19652736	2.9299083	21	6 3.4	20.2
202352 2005 ET_{181}	15.5	X	342.69007	188.43643	49.04739	3.30932	0.0451204	0.18974400	2.9993284	21	4 11.9	19.4
202353 2005 EF_{189}	14.9	X	351.78735	221.73373	302.03290	16.05234	0.0964633	0.17825916	3.1268099	21	1 18.8	18.8
202354 2005 EN_{194}	15.5	X	21.29771	300.01723	193.64835	5.35908	0.0199340	0.17723826	3.1388054	21	1 25.1	20.0
202355 2005 ED_{201}	15.8	X	81.29609	28.84195	42.41059	14.20933	0.2106133	0.24492644	2.5299519	21	2 12.5	18.8
202356 2005 EF_{214}	16.2	X	56.35787	110.46006	59.28775	2.81659	0.1363330	0.18954661	3.0014103	21	5 8.6	19.8
202357 2005 EV_{214}	15.6	X	312.40264	162.90492	23.72184	2.40758	0.0308043	0.17605030	3.1529098	21	1 4.2	20.1
202358 2005 EL_{217}	14.9	X	39.91874	100.17505	28.30719	13.10287	0.0503013	0.17984839	3.1083627	21	2 19.5	19.2
202359 2005 EH_{218}	15.7	X	159.42658	145.03869	122.58448	12.87890	0.1633587	0.21926188	2.7237085	21	—	—
202360 2005 EM_{223}	15.5	X	312.97598	105.71820	104.95884	2.45310	0.1289041	0.17584730	3.1553358	21	1 19.9	19.8
202361 2005 EM_{226}	15.0	X	200.16984	238.20637	87.24844	11.37818	0.0827847	0.18048550	3.1010434	21	2 12.1	19.9
202362 2005 EP_{242}	15.2	X	262.47692	178.47225	102.71656	10.99063	0.0348420	0.18285431	3.0742033	21	3 1.1	19.7
202363 2005 EW_{246}	15.7	X	180.90789	338.43188	64.24256	2.69578	0.1269676	0.19034575	2.9930037	21	4 23.3	20.5
202364 2005 EJ_{258}	15.7	X	324.24470	3.39212	204.40392	4.07113	0.0591169	0.17823753	3.1270628	21	2 7.2	20.0
202365 2005 EB_{259}	15.1	X	40.01231	224.48506	298.87641	9.16554	0.0640849	0.18832314	3.0143957	21	3 23.4	19.2
202366 2005 EX_{260}	15.5	X	182.42938	292.50856	124.29360	4.32494	0.0386532	0.19306394	2.9648446	21	5 11.2	19.8
202367 2005 EU_{271}	15.2	X	99.16416	261.39103	145.78470	8.97693	0.0498408	0.17796333	3.1302741	21	1 22.2	19.6
202368 2005 EQ_{275}	15.3	X	277.75957	295.45065	298.89420	3.64805	0.0994806	0.17745793	3.1362146	21	1 11.6	19.9
202369 2005 EH_{276}	15.8	X	132.37325	314.79534	118.61454	1.25207	0.0634008	0.18500621	3.0503184	21	4 5.8	20.3
202370 2005 EH_{279}	15.0	X	8.25690	31.36659	135.41916	14.58050	0.0897231	0.18023826	3.1038786	21	2 16.1	18.8
202371 2005 EW_{279}	15.2	X	324.14808	74.51664	127.70152	7.98510	0.0710876	0.17829975	3.1263354	21	1 31.3	19.4
202372 2005 ET_{290}	15.9	X	181.80674	259.06576	81.51929	1.63532	0.1092609	0.18257827	3.0773011	21	2 9.8	20.7
202373 Ubuntu	16.0	X	237.51614	105.95128	246.67998	1.19530	0.0447002	0.18776286	3.0203893	21	4 23.0	20.4
202374 2005 EO_{323}	16.1	X	4.25611	322.97279	143.97826	15.44036	0.1541768	0.23089187	2.6314611	21	—	—
202375 2005 FY_{12}	15.7	X	321.91809	302.84892	285.78118	2.26607	0.0582992	0.18445253	3.0564196	21	3 1.2	19.8
202376 2005 GY_{13}	14.8	X	218.58947	206.78190	88.56619	12.30080	0.1321926	0.16956635	3.2327808	21	1 25.4	20.1
202377 2005 GQ_{19}	15.0	X	35.96010	133.95810	26.04698	12.80002	0.0790109	0.18143602	3.0902033	21	3 23.9	19.0
202378 2005 GT_{27}	15.8	X	272.84997	279.62454	330.96740	5.07724	0.1361875	0.23491652	2.6013194	21	1 12.5	19.8
202379 2005 GQ_{30}	16.1	X	134.52885	59.70035	43.01371	3.30118	0.1166659	0.19033957	2.9930685	21	5 19.1	20.5
202380 2005 GS_{31}	15.6	X	2.23169	267.64225	298.34846	0.51125	0.1679873	0.18279800	3.0748346	21	3 22.7	19.0
202381 2005 GG_{34}	15.4	X	92.47902	355.11743	74.43477	2.42680	0.0350088	0.17733661	3.1376448	21	2 9.5	19.7
202382 2005 GJ_{45}	15.2	X	318.18085	121.32160	66.96483	11.63204	0.0640043	0.17426060	3.1744604	21	1 9.4	19.7
202383 2005 GA_{56}	16.1	X	120.09079	182.85196	204.97238	3.20975	0.1132846	0.17605984	3.1527958	21	2 1.8	20.7
202384 2005 GU_{59}	16.0	X	350.95181	339.92397	167.94568	1.17615	0.1336646	0.17313222	3.1882384	21	—	—
202385 2005 GY_{63}	14.9	X	306.22461	124.97365	67.76840	10.26153	0.0399876	0.17525197	3.1624775	21	1 2.9	19.4
202386 2005 GR_{64}	16.1	X	318.47741	345.14034	155.55428	4.83598	0.1447488	0.22756389	2.6570546	21	—	—
202387 2005 GR_{74}	15.8	X	101.09739	243.10375	194.68189	4.58338	0.1314946	0.18359016	3.0659832	21	3 13.1	20.1
202388 2005 GL_{75}	16.0	X	98.78907	77.04086	24.15607	3.07680	0.1013529	0.18325920	3.0696736	21	4 5.0	20.3
202389 2005 GJ_{85}	16.2	X	76.13272	85.91979	79.89073	2.96640	0.1499046	0.19173402	2.9785388	21	6 3.6	20.2
202390 2005 GA_{86}	15.7	X	33.78314	103.54093	29.91185	5.95940	0.0543127	0.17867099	3.1220033	21	2 13.9	19.9
202391 2005 GT_{132}	15.4	X	159.03729	329.41868	47.97321	6.87772	0.1299865	0.17701067	3.1414954	21	3 7.6	20.4
202392 2005 GG_{138}	15.5	X	94.96478	33.47043	34.04127	14.39725	0.2061031	0.17875379	3.1210391	21	3 11.8	20.0
202393 2005 GW_{160}	15.2	X	51.60396	44.11696	150.39605	3.18346	0.2305843	0.18823200	3.0153686	21	6 17.9	18.7
202394 2005 GM_{175}	15.3	X	268.85795	200.33674	110.47895	7.68071	0.0093370	0.18265086	3.0764857	21	4 17.4	19.7
202395 2005 GR_{181}	15.4	X	98.62766	281.84257	109.55554	2.48924	0.1213557	0.17045100	3.2215857	21	1 14.7	19.9
202396 2005 HD_{6}	15.0	X	78.26319	21.97691	86.64230	15.53591	0.0977468	0.17604251	3.1530027	21	3 27.4	19.6
202397 2005 JS_{18}	16.2	X	37.45048	268.28969	250.34746	0.63532	0.1393353	0.18025008	3.1037429	21	3 24.2	19.8
202398 2005 JV_{18}	17.7	X	324.71352	229.78857	44.35214	2.96158	0.1162015	0.30555310	2.1831232	21	4 10.9	19.8
202399 2005 JS_{30}	16.3	X	334.10858	6.56292	141.17965	2.71605	0.1393590	0.22887838	2.6468716	21	—	—
202400 2005 JC_{37}	14.6	X	297.27713	300.02387	254.46966	14.21674	0.1055148	0.17109988	3.2134354	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202401 2005 JR_{69}	15.2	X	35.40226	243.64088	191.85920	10.55981	0.1124417	0.16866927	3.2442332	21	—	—
202402 2005 JO_{108}	15.1	X	216.66474	273.60558	123.68503	11.51715	0.1332991	0.18443006	3.0566678	21	5 23.5	20.1
202403 2005 JB_{146}	17.1	X	106.34884	227.69181	53.34533	2.94017	0.1943944	0.26779306	2.3838001	21	12 11.5	21.0
202404 2005 KB_{1}	15.8	X	44.41211	304.01409	186.09966	9.91496	0.1918070	0.17656074	3.1468300	21	3 2.6	19.3
202405 2005 LX_{6}	15.7	X	357.71236	86.87469	65.64162	5.43099	0.1326041	0.17093225	3.2155360	21	1 11.9	19.7
202406 2005 LO_{14}	15.7	X	148.01305	340.36640	97.46486	11.92129	0.0701736	0.18272591	3.0756433	21	5 3.9	20.4
202407 2005 LB_{23}	16.3	X	338.64362	229.97455	111.79250	1.17233	0.1581640	0.18754630	3.0227139	21	8 16.3	19.5
202408 2005 LY_{45}	14.4	X	332.43330	79.21172	104.71945	21.90169	0.0305256	0.16808184	3.2517878	21	1 27.5	19.0
202409 2005 MA_{2}	16.6	X	204.69500	318.40667	240.30092	20.59875	0.2179827	0.39103121	1.8520886	21	12 14.0	18.6
202410 2005 NP_{56}	17.1	X	4.62028	146.07638	104.91611	1.57956	0.1000548	0.24039640	2.5616360	21	5 26.5	19.6
202411 2005 RC	17.2	X	30.84429	40.60604	191.95763	16.25263	0.7513575	0.31180079	2.1538622	21	1 19.2*	17.6
202412 2005 SQ_{210}	17.1	X	337.62104	11.51897	329.36999	4.67288	0.1091185	0.30455733	2.1878792	21	8 25.8	18.6
202413 2005 TZ_{183}	16.7	X	262.34710	329.60206	114.91755	7.23135	0.0612900	0.29338782	2.2430623	21	10 2.4	19.3
202414 2005 UV_{19}	17.2	X	160.61396	86.87527	36.15044	4.30124	0.0272235	0.29141706	2.2531637	21	7 8.2	19.9
202415 2005 UJ_{24}	16.1	X	34.64036	77.94384	284.78040	1.19406	0.0601901	0.18905097	3.0066539	21	12 4.8	20.1
202416 2005 UK_{95}	17.4	X	243.23533	359.24227	144.47130	2.10859	0.0723714	0.31018639	2.1613290	21	11 26.4	19.6
202417 2005 UN_{175}	17.1	X	3.87301	33.54772	279.10384	2.91869	0.2038117	0.30188070	2.2007928	21	9 11.2	18.5
202418 2005 UV_{179}	17.8	X	260.36881	214.02937	202.11674	4.74807	0.1540666	0.29764399	2.2216278	21	7 28.3	20.5
202419 2005 UP_{251}	17.1	X	0.80073	295.80024	33.22225	7.65738	0.0195122	0.30193864	2.2005112	21	9 19.1	19.5
202420 2005 UO_{506}	16.7	X	155.96853	130.69811	91.20620	2.52737	0.0922162	0.22821092	2.6520300	21	11 9.1	20.7
202421 2005 UQ_{513}	3.6	X	231.09216	221.46310	307.53106	25.69930	0.1422076	0.00343896	43.4695137	21	10 10.1	20.5
202422 2005 VU_{52}	16.8	X	202.16814	87.09415	85.75746	6.54387	0.0583204	0.30673819	2.1774966	21	11 13.3	19.4
202423 2005 VV_{118}	16.8	X	279.40443	90.53313	258.07073	17.76322	0.0750251	0.35308643	1.9825099	21	5 27.0	18.7
202424 2005 WX_{63}	17.8	X	106.04889	50.46540	245.80983	1.05004	0.1965072	0.31382117	2.1446079	21	—	—
202425 2005 WH_{112}	17.2	X	349.76641	170.22226	229.26283	4.42953	0.0709858	0.30939463	2.1650148	21	12 18.5	19.3
202426 2005 WP_{151}	17.0	X	293.83519	320.22379	58.41648	5.42195	0.1802172	0.29646553	2.2275113	21	7 20.9	19.3
202427 2005 WQ_{167}	17.2	X	344.81524	242.20350	81.32164	6.25488	0.2265681	0.29901430	2.2148352	21	8 11.1	18.2
202428 2005 WT_{175}	17.0	X	172.09806	192.27927	66.53050	5.49542	0.0846101	0.31288377	2.1488892	21	—	—
202429 2005 WD_{176}	17.5	X	353.50607	300.00511	72.04992	7.69086	0.1444067	0.30447536	2.1882719	21	11 22.6	19.1
202430 2005 WS_{183}	16.9	X	146.96660	65.57734	349.30698	6.50788	0.1174621	0.27772996	2.3265955	21	3 24.2	20.1
202431 2005 WM_{186}	17.6	X	205.21345	286.74218	131.61435	1.59032	0.2206994	0.28344285	2.2952274	21	5 29.9	21.3
202432 2005 WH_{193}	16.5	X	277.87294	99.83059	262.49728	19.26571	0.0809507	0.35808833	1.9640051	21	6 14.8	18.4
202433 2005 WR_{207}	17.4	X	135.56812	101.00567	292.30531	0.50214	0.1811515	0.26571575	2.3962081	21	2 21.2	20.7
202434 2005 XM_{2}	17.3	X	279.42420	320.66373	83.65655	6.45882	0.1554328	0.29571071	2.2313002	21	8 11.5	19.8
202435 2005 XH_{8}	17.9	X	30.72907	159.10080	79.71522	29.06392	0.6914565	0.64800916	1.3225597	21	11 12.6	20.6
202436 2005 XU_{15}	17.5	X	26.41705	27.86595	237.53365	2.82177	0.2282859	0.29304189	2.2448272	21	8 17.0	19.0
202437 2005 XF_{53}	16.9	X	225.94086	39.27750	234.88969	3.80667	0.1278040	0.26975621	2.3722206	21	—	—
202438 2005 XU_{79}	17.0	X	105.14457	177.43224	348.11650	4.35664	0.1656357	0.27468916	2.3437343	21	7 12.7	20.2
202439 2005 XC_{82}	17.9	X	20.51386	286.63366	89.85164	4.07108	0.0953553	0.30979334	2.1631568	21	—	—
202440 2005 YG_{16}	17.2	X	115.46775	91.04268	125.03155	3.26185	0.0757887	0.29081166	2.2562896	21	9 24.9	20.0
202441 2005 YZ_{29}	17.0	X	0.46774	255.55502	5.79266	3.55374	0.1097493	0.27848646	2.3223802	21	5 30.5	19.1
202442 2005 YM_{45}	15.7	X	176.82331	321.44006	274.73751	5.47146	0.1704846	0.24132782	2.5550405	21	12 14.6	19.7
202443 2005 YE_{58}	17.1	X	22.00461	73.21372	286.37859	3.90790	0.1588123	0.30499640	2.1857790	21	12 24.3	19.3
202444 2005 YM_{64}	17.1	X	40.82485	290.78562	71.37445	2.41005	0.1668510	0.30959749	2.1640690	21	—	—
202445 2005 YN_{82}	17.2	X	247.15460	351.21801	245.04535	1.68439	0.1653117	0.25308251	2.4753007	21	—	—
202446 2005 YQ_{91}	16.6	X	2.39064	145.35015	128.74291	6.89776	0.1166709	0.28158536	2.3053100	21	6 25.4	18.6
202447 2005 YZ_{98}	16.6	X	21.93614	170.28835	86.92244	6.71738	0.1409157	0.28418295	2.2912407	21	7 11.2	18.4
202448 2005 YJ_{108}	17.1	X	312.52499	348.58251	233.21576	1.74820	0.1553357	0.26286675	2.4134906	21	1 11.1	20.3
202449 2005 YP_{116}	17.6	X	212.38468	351.91517	79.35094	3.41542	0.0746703	0.28480628	2.2878963	21	6 30.1	20.6
202450 2005 YR_{126}	17.1	X	87.55851	195.18114	336.49402	3.21693	0.1812283	0.27779609	2.3262263	21	6 30.7	20.0
202451 2005 YU_{139}	17.0	X	289.02661	93.87150	318.66315	4.52766	0.1494923	0.29622640	2.2287099	21	9 7.3	19.1
202452 2005 YA_{152}	18.3	X	237.97603	58.78882	42.06024	1.77097	0.1437898	0.29408845	2.2394983	21	9 5.2	21.0
202453 2005 YE_{155}	17.1	X	163.73984	29.62726	97.20750	6.44379	0.1294248	0.28461980	2.2888956	21	7 20.8	20.4
202454 2005 YX_{173}	16.8	X	188.66867	20.70260	122.14857	8.52003	0.1662992	0.28829832	2.2693839	21	9 7.5	20.3
202455 2005 YF_{192}	17.0	X	311.07838	252.42417	98.77296	4.96457	0.1901664	0.28926389	2.2643309	21	7 5.5	18.7
202456 2005 YW_{192}	16.2	X	256.99190	172.87903	117.93973	7.57881	0.0980703	0.26512217	2.3997832	21	2 13.6	19.7
202457 2005 YO_{202}	16.7	X	296.28252	203.46873	105.20060	8.58678	0.1404226	0.28035749	2.3120361	21	4 21.4	19.7
202458 2005 YU_{266}	16.7	X	277.65599	230.68683	12.20537	2.46230	0.1408692	0.25986628	2.4320328	21	1 2.5	20.3
202459 2005 YC_{271}	17.1	X	138.62316	67.95430	102.49992	3.48105	0.0944324	0.28619567	2.2804856	21	8 21.1	20.2
202460 2005 YG_{280}	17.6	X	200.89973	226.85796	100.50296	1.28906	0.0822309	0.26434971	2.4044560	21	1 30.2	20.9
202461 2005 YY_{286}	16.6	X	145.94063	258.08032	269.65860	3.48406	0.1657686	0.28402658	2.2920815	21	8 25.7	20.1
202462 2006 AP_{13}	16.7	X	133.51264	106.83368	301.91290	13.33813	0.0637781	0.26597108	2.3946742	21	2 18.6	19.9
202463 2006 AZ_{13}	16.6	X	330.15057	93.73638	120.92560	2.10401	0.1280911	0.26241769	2.4162432	21	1 29.3	19.4
202464 2006 AT_{15}	17.0	X	78.52316	24.28037	261.37671	8.07283	0.0573983	0.30671811	2.1775916	21	11 10.8	19.8
202465 2006 AR_{18}	17.8	X	197.74855	247.55255	233.64855	2.50102	0.0978788	0.29009357	2.2600115	21	8 18.9	20.9
202466 2006 AP_{20}	17.2	X	176.26632	55.84315	66.28189	5.96425	0.0981751	0.28614596	2.2807497	21	7 29.1	20.4
202467 2006 AP_{23}	16.9	X	312.04651	305.03946	319.65903	1.89447	0.1733304	0.26843572	2.3799939	21	3 4.2	19.9
202468 2006 AT_{27}	17.0	X	307.38554	75.52105	166.57301	2.79934	0.1281663	0.26434581	2.4044796	21	2 3.5	20.2
202469 2006 AQ_{30}	17.2	X	267.47542	239.90663	112.14658	5.75194	0.2298004	0.28362880	2.2942241	21	5 1.9	20.6
202470 2006 AS_{31}	16.9	X	294.42652	35.06235	6.74837	5.75269	0.0988171	0.29620427	2.2288209	21	9 11.4	19.1
202471 2006 AQ_{38}	17.5	X	333.30882	147.59451	100.82167	2.21818	0.1509940	0.27023947	2.3693917	21	3 18.0	19.9
202472 2006 AL_{42}	17.9	X	230.98228	176.63225	254.91852	2.12299	0.1117085	0.28824990	2.2696380	21	7 19.5	20.9
202473 2006 AQ_{55}	16.6	X	283.27369	259.98906	100.71505	7.49527	0.1335331	0.28886981	2.2663899	21	6 13.9	19.4
202474 2006 AO_{70}	17.0	X	214.07216	236.97298	131.70109	6.47895	0.1673351	0.27570585	2.3379689	21	4 7.9	20.7
202475 2006 AZ_{70}	16.3	X	161.81484	348.78358	298.80418	4.25898	0.1865553	0.24655135	2.5188238	21	—	—
202476 2006 AM_{73}	17.3	X	61.98627	23.00852	163.53576	2.86216	0.1393659	0.27457419	2.3443885	21	6 5.8	19.6
202477 2006 AX_{93}	15.3	X	247.89799	213.31755	329.74105	10.67425	0.1099905	0.17636013	3.1492160	21	12 20.3	19.9
202478 2006 BD_{2}	17.3	X	186.25447	190.99355	305.33319	3.21606	0.1077951	0.28896623	2.2658857	21	8 26.4	20.4
202479 2006 BH_{4}	17.3	X	352.46861	273.30759	298.00383	0.54557	0.1351766	0.26670784	2.3902621	21	2 26.2	19.5
202480 2006 BR_{5}	17.0	X	66.44787	249.63048	308.31253	1.58280	0.1529422	0.27572632	2.3378532	21	7 2.9	19.6

* The additional opposition: 10 13.8, $V = 20.4$

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202481 2006 BR_{6}	16.2	X	230.99109	315.46201	319.30680	4.67416	0.1748383	0.25539523	2.4603347	21	—	—
202482 2006 BG_{11}	16.0	X	13.18071	263.31042	107.13802	7.11584	0.0497300	0.23523831	2.5989466	21	11 25.3	19.3
202483 2006 BN_{25}	17.2	X	241.10975	254.32672	208.69192	1.58592	0.0782173	0.29279739	2.2460767	21	9 20.9	19.9
202484 2006 BQ_{33}	16.1	X	60.36143	184.06965	128.94547	3.76281	0.1193793	0.22916576	2.6446582	21	11 22.2	19.7
202485 2006 BQ_{40}	16.6	X	142.12234	102.58639	148.05980	2.51954	0.0657821	0.23298975	2.6156412	21	11 30.5	20.5
202486 2006 BU_{46}	17.0	X	61.46486	44.01180	158.32053	2.27535	0.1657864	0.27400730	2.3476209	21	7 3.4	19.5
202487 2006 BF_{50}	16.1	X	314.02002	144.09568	90.28005	4.13182	0.1437954	0.26291078	2.4132212	21	2 1.2	19.2
202488 2006 BK_{50}	17.0	X	229.72374	37.99610	328.64350	6.85162	0.1316632	0.27685643	2.3314869	21	4 15.6	20.7
202489 2006 BQ_{51}	16.5	X	295.85535	148.37373	109.97595	3.35125	0.1543982	0.26300144	2.4126665	21	2 8.7	19.7
202490 2006 BL_{60}	15.9	X	81.09310	13.05579	322.59582	3.84335	0.2042177	0.23848976	2.5752707	21	—	—
202491 2006 BC_{62}	17.4	X	220.86002	18.39574	49.27853	7.81612	0.1894662	0.28609687	2.2810106	21	6 26.4	20.9
202492 2006 BG_{65}	18.0	X	248.55605	271.29247	155.49636	3.37361	0.2223862	0.28899122	2.2657550	21	7 20.2	21.2
202493 2006 BV_{70}	16.4	X	57.93209	255.61935	61.18561	5.89570	0.2841465	0.23369430	2.6103814	21	12 14.4	20.3
202494 2006 BD_{85}	16.9	X	261.20755	251.97987	43.37905	1.90974	0.1769901	0.26530670	2.3986704	21	2 17.2	20.5
202495 2006 BB_{86}	17.5	X	281.30124	280.11134	115.19357	4.85871	0.1265671	0.29029332	2.2589746	21	8 3.7	20.1
202496 2006 BW_{91}	15.4	X	340.50188	191.05300	322.39224	8.36426	0.0763806	0.18883283	3.0089690	21	—	—
202497 2006 BE_{125}	16.7	X	163.71454	313.61209	346.43154	2.77041	0.1788967	0.24459709	2.5322225	21	—	—
202498 2006 BX_{132}	16.2	X	312.04127	44.73898	198.57335	1.61433	0.0327853	0.19746030	2.9206724	21	3 8.7	20.1
202499 2006 BS_{135}	17.1	X	18.14865	215.44833	354.28349	1.82849	0.1554798	0.26712423	2.3877775	21	4 14.3	19.1
202500 2006 BA_{140}	17.7	X	239.27717	124.71026	268.74668	3.44947	0.1489828	0.28128493	2.3069512	21	6 2.5	21.1
202501 2006 BS_{145}	15.5	X	155.05096	213.09851	5.91596	13.42882	0.1982889	0.22460488	2.6803403	21	10 30.1	20.2
202502 2006 BK_{146}	16.8	X	298.12238	103.10709	129.82514	2.14260	0.1235194	0.25932946	2.4353879	21	1 13.6	20.2
202503 2006 BZ_{146}	17.0	X	77.12684	6.46415	189.26825	2.94654	0.1709891	0.27609130	2.3357923	21	7 18.4	19.8
202504 2006 BK_{148}	16.4	X	7.48418	330.97702	230.63652	5.94891	0.1172241	0.26532860	2.3985384	21	3 10.7	18.9
202505 2006 BK_{149}	16.8	X	132.49620	340.69493	175.87079	5.31015	0.0919888	0.28117599	2.3075470	21	7 22.7	20.0
202506 2006 BZ_{155}	16.4	X	194.52799	291.26188	346.18313	2.94359	0.1076480	0.24716178	2.5146748	21	—	—
202507 2006 BW_{164}	16.9	X	44.52447	5.64553	331.42388	0.86130	0.0823103	0.23249232	2.6193708	21	11 26.8	20.3
202508 2006 BH_{165}	17.1	X	126.51543	47.50794	239.89131	1.20847	0.0558779	0.23797677	2.5789703	21	12 29.0	20.8
202509 2006 BG_{166}	16.4	X	81.57207	11.25265	323.71506	3.56788	0.0766461	0.23992596	2.5649834	21	—	—
202510 2006 BZ_{169}	17.1	X	46.45575	113.30362	93.95708	1.61329	0.0690592	0.27343982	2.3508678	21	5 30.8	19.5
202511 2006 BR_{176}	16.2	X	80.50564	295.44890	11.47080	4.35089	0.2323865	0.23518415	2.5993455	21	12 18.2	20.4
202512 2006 BR_{178}	17.3	X	136.38907	71.19924	334.73429	2.06364	0.1794379	0.26780808	2.3837110	21	3 9.8	20.5
202513 2006 BX_{184}	17.2	X	217.20452	233.05130	100.06656	3.57127	0.1221869	0.26657141	2.3910776	21	2 24.9	20.9
202514 2006 BE_{199}	17.0	X	103.25987	265.01935	184.00140	2.28811	0.1455233	0.26608168	2.3940106	21	3 21.5	19.8
202515 2006 BB_{200}	16.6	X	44.66465	24.94114	172.50173	4.04849	0.1491184	0.26963002	2.3729608	21	5 23.6	18.8
202516 2006 BN_{205}	17.5	X	144.54976	271.32676	115.60861	2.00177	0.1910258	0.26373259	2.4082053	21	2 25.0	20.8
202517 2006 BW_{246}	17.5	X	104.78056	145.29775	347.14701	1.08061	0.1248438	0.27289440	2.3539991	21	5 19.4	20.3
202518 2006 BG_{253}	17.0	X	294.26239	298.00991	285.68416	1.46083	0.1427586	0.25512262	2.4620870	21	—	—
202519 2006 BA_{260}	16.8	X	319.74963	343.42160	241.48551	1.76850	0.1339259	0.26025035	2.4296394	21	1 27.6	19.7
202520 2006 BL_{270}	16.3	X	301.29828	273.73165	179.62326	12.70623	0.1618593	0.24079823	2.5587854	21	11 23.4	19.1
202521 2006 BP_{274}	17.4	X	24.58160	278.13107	123.22181	2.48193	0.1598223	0.24267314	2.5455887	21	—	—
202522 2006 CO_{41}	15.9	X	244.88515	276.32219	317.00110	6.85545	0.1500146	0.18135211	3.0911564	21	—	—
202523 2006 DZ_{2}	17.1	X	40.37027	245.19457	155.10879	4.74829	0.1739568	0.24620579	2.5211802	21	—	—
202524 2006 DJ_{4}	17.5	X	209.55987	30.71942	106.65520	7.89021	0.1600541	0.29217976	2.2492409	21	9 23.7	20.8
202525 2006 DP_{6}	16.5	X	291.88131	59.65750	84.91708	2.26225	0.1157367	0.24080300	2.5587516	21	—	—
202526 2006 DO_{8}	16.4	X	178.27872	216.59045	100.63864	2.51756	0.0640220	0.18842472	3.0133122	21	1 6.0	20.6
202527 2006 DP_{8}	16.4	X	89.77574	205.48307	144.19594	11.45764	0.2609617	0.24483797	2.5305614	21	—	—
202528 2006 DW_{8}	16.7	X	195.40472	113.01473	106.86361	7.77828	0.1297313	0.30024018	2.2088023	21	12 26.8	19.5
202529 2006 DP_{10}	18.1	X	189.65406	216.93702	262.68921	0.13742	0.1779237	0.28677676	2.2774040	21	8 5.4	21.4
202530 2006 DZ_{16}	15.8	X	208.57126	161.53488	74.30800	4.07680	0.1486184	0.17730112	3.1380636	21	—	—
202531 2006 DG_{19}	16.8	X	85.92935	213.86116	36.61389	2.72685	0.0850554	0.22310548	2.6923358	21	9 28.5	20.5
202532 2006 DS_{26}	16.3	X	120.45038	248.98381	359.42536	2.78635	0.2459824	0.22348260	2.6893061	21	11 10.8	21.0
202533 2006 DY_{32}	17.1	X	66.01614	341.51036	169.67700	1.78854	0.1058384	0.26560628	2.3968664	21	4 15.7	19.7
202534 2006 DB_{37}	16.1	X	198.29785	309.91862	185.90900	1.70704	0.0131759	0.22065582	2.7122255	21	9 10.9	19.8
202535 2006 DX_{43}	16.9	X	146.20225	256.19385	12.13891	1.61320	0.0737893	0.23881154	2.5729569	21	12 27.2	20.6
202536 2006 DT_{51}	16.9	X	331.23535	151.11266	64.21923	3.45527	0.1008566	0.26073170	2.4266482	21	2 6.6	19.7
202537 2006 DO_{60}	16.0	X	316.57841	92.33430	195.12420	1.65039	0.0289155	0.20287859	2.8684365	21	5 11.2	19.8
202538 2006 DM_{61}	16.0	X	131.22229	39.91236	192.11155	3.94884	0.0732831	0.22351188	2.6890713	21	10 25.4	19.8
202539 2006 DJ_{62}	16.3	X	58.79377	318.05614	220.46334	5.78827	0.0845552	0.26971503	2.3724621	21	5 10.6	18.8
202540 2006 DK_{62}	16.6	X	60.94569	2.54835	201.25885	2.35694	0.1096693	0.27412770	2.3469334	21	6 24.9	19.2
202541 2006 DA_{78}	17.4	X	132.74050	255.02785	141.68699	3.21995	0.1359366	0.26064584	2.4271811	21	2 17.5	20.5
202542 2006 DN_{92}	16.3	X	287.58255	212.54589	54.93188	1.35951	0.2240220	0.19059838	2.9903584	21	2 13.9	21.0
202543 2006 DB_{94}	16.2	X	300.75710	304.45452	18.65149	2.06779	0.0334166	0.20683352	2.8317534	21	6 4.5	20.1
202544 2006 DQ_{115}	15.7	X	109.29873	283.41289	64.19870	2.37506	0.1177282	0.24126722	2.5554683	21	—	—
202545 2006 DC_{124}	17.1	X	12.32236	325.49589	184.39280	3.02900	0.0298762	0.25678960	2.4514202	21	1 16.6	20.0
202546 2006 DW_{127}	16.3	X	27.67313	352.56095	354.77340	3.41960	0.1934726	0.23539771	2.5977731	21	12 4.3	19.4
202547 2006 DP_{149}	15.6	X	118.94930	150.36106	188.83748	10.41656	0.1186614	0.17788939	3.1311415	21	—	—
202548 2006 DW_{155}	15.6	X	148.11627	265.90374	61.85024	2.46523	0.0562934	0.18452732	3.0555936	21	—	—
202549 2006 DO_{172}	17.5	X	106.92881	106.22101	19.56541	3.41261	0.1440724	0.26999732	2.3708081	21	5 15.6	20.6
202550 2006 DJ_{175}	16.8	X	89.63420	305.72539	156.68814	6.70659	0.0971331	0.26347482	2.4097758	21	3 13.7	19.5
202551 2006 DX_{188}	14.4	X	264.37792	246.02464	23.18198	4.29576	0.1178038	0.12496179	3.9623352	21	2 14.5	20.3
202552 2006 DB_{196}	16.6	X	127.25250	133.93655	94.50153	7.62477	0.1442350	0.28930761	2.2641028	21	10 30.2	20.1
202553 2006 DY_{197}	16.9	X	10.46446	289.74582	357.24295	2.10493	0.0436571	0.28007225	2.3136056	21	7 29.5	19.3
202554 2006 DV_{198}	16.3	X	216.75152	173.18753	69.40099	15.99549	0.0689141	0.24301392	2.5432084	21	—	—
202555 2006 DV_{203}	15.9	X	232.53796	143.53829	86.74728	5.45752	0.0732015	0.24355129	2.5394661	21	—	—
202556 2006 DQ_{210}	16.6	X	69.29261	311.13890	291.20861	2.53642	0.1218842	0.27919583	2.3184448	21	9 4.5	19.3
202557 2006 DY_{210}	16.8	X	21.44420	322.99621	237.63914	3.46253	0.0982189	0.26440796	2.4041028	21	4 7.2	19.1
202558 2006 DZ_{214}	16.3	X	234.09546	150.65405	297.80317	1.56732	0.0535076	0.21962285	2.7207233	21	8 20.1	20.1
202559 2006 DL_{216}	15.7	X	210.56795	286.21084	343.96830	9.30251	0.0866328	0.18258595	3.0772148	21	—	—
202560 2006 EQ_{7}	16.1	X	268.16425	83.82472	180.40965	10.24512	0.0795334	0.19141517	2.9818456	21	2 3.1	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202561 2006 EU_9	17.2	X	103.40287	204.23477	50.02106	2.47897	0.0290544	0.22519046	2.6756916	21	10 17.8	20.8
202562 2006 EG_{17}	15.0	X	238.62092	40.03594	178.13093	9.52799	0.1700675	0.17607835	3.1525749	21	—	—
202563 2006 ER_{17}	15.4	X	165.91065	153.38597	179.72861	10.37013	0.0697495	0.18455389	3.0553004	21	1 11.4	20.1
202564 2006 EP_{20}	16.7	X	150.27359	213.42311	83.96126	2.58477	0.1186774	0.24509011	2.5288255	21	—	—
202565 2006 EO_{23}	16.8	X	85.86612	315.16862	335.99251	0.90050	0.1127552	0.22955496	2.6416682	21	11 22.0	20.4
202566 2006 EQ_{28}	16.8	X	131.17951	100.93285	348.13939	5.00759	0.1090863	0.26863572	2.3788125	21	4 19.6	20.0
202567 2006 EA_{41}	16.4	X	215.44572	64.79423	204.15270	4.56720	0.1266112	0.18012605	3.1051675	21	—	—
202568 2006 EL_{48}	16.6	X	43.81658	249.55857	69.59338	3.62310	0.0861950	0.22777697	2.6553973	21	11 3.4	19.9
202569 2006 EX_{50}	17.0	X	36.92810	274.57686	18.57570	4.94966	0.0961374	0.22115162	2.7081703	21	9 20.8	20.4
202570 2006 ED_{58}	15.9	X	109.71543	35.73479	308.95037	3.15294	0.1556895	0.24264528	2.5457836	21	—	—
202571 2006 EX_{71}	17.0	X	33.48729	74.20927	349.12225	1.79601	0.0934224	0.24308436	2.5427171	21	—	—
202572 2006 FP_{11}	15.5	X	144.91925	291.92311	134.24726	2.84008	0.0544025	0.19887399	2.9068150	21	4 9.6	19.6
202573 2006 FY_{13}	16.1	X	285.17775	204.30398	113.49213	1.95838	0.0304623	0.20121383	2.8842362	21	5 9.3	20.0
202574 2006 FD_{14}	16.1	X	58.13070	106.33984	179.58524	5.24455	0.0145471	0.21943303	2.7222920	21	9 27.6	19.7
202575 2006 FM_{14}	15.5	X	200.27371	182.85194	93.49238	1.40822	0.2386496	0.17410550	3.1763454	21	—	—
202576 2006 FC_{17}	16.3	X	358.03332	14.52004	18.59403	1.56076	0.0930479	0.22933875	2.6433282	21	12 4.7	19.3
202577 2006 FE_{17}	16.4	X	93.81879	62.03260	193.59610	4.56033	0.0996746	0.21955841	2.7212556	21	10 15.2	20.2
202578 2006 FZ_{22}	16.5	X	68.43053	65.59124	48.03025	3.08276	0.0502579	0.25624195	2.4549118	21	2 21.0	19.4
202579 2006 FE_{23}	16.2	X	232.11049	42.31718	56.61588	2.77386	0.0421388	0.21773769	2.7364046	21	9 3.7	19.9
202580 2006 FD_{27}	16.7	X	233.16861	165.66937	27.72553	6.27770	0.0692041	0.23414651	2.6070193	21	—	—
202581 2006 FP_{31}	16.0	X	220.41386	139.89181	137.15923	1.86459	0.1718133	0.17763019	3.1341867	21	1 3.1	21.2
202582 2006 FW_{36}	15.8	X	213.69568	172.91033	66.89019	19.03953	0.1250989	0.24232277	2.5480419	21	—	—
202583 2006 FA_{40}	16.7	X	67.61470	161.41937	152.73105	4.93506	0.0954613	0.22701736	2.6613174	21	11 28.7	20.4
202584 2006 GO_{3}	15.9	X	351.40805	206.75687	200.42820	12.85647	0.1147276	0.23062130	2.6335189	21	12 15.7	19.1
202585 2006 GV_{16}	17.3	X	54.03187	77.21045	69.19008	3.09427	0.1572111	0.26097648	2.4251306	21	3 26.2	19.5
202586 2006 GP_{25}	16.6	X	34.86548	211.93511	72.57790	1.43245	0.0300017	0.21370808	2.7706953	21	8 27.2	20.1
202587 2006 GN_{31}	15.1	X	78.48365	344.45570	41.67783	26.61861	0.1254847	0.17244156	3.1967457	21	—	—
202588 2006 GM_{36}	15.9	X	7.89640	17.87799	29.96569	10.44231	0.1213380	0.23459534	2.6036931	21	—	—
202589 2006 GO_{37}	16.0	X	190.03924	310.31906	246.98030	11.64340	0.1110104	0.22594570	2.6697258	21	11 11.1	20.2
202590 2006 GT_{38}	15.6	X	193.65630	164.77808	24.94108	14.20487	0.1643656	0.22589354	2.6701368	21	10 31.5	20.0
202591 2006 GU_{47}	15.9	X	18.04911	201.26032	205.82521	15.20309	0.1175733	0.23429144	2.6059442	21	—	—
202592 2006 GM_{48}	15.4	X	117.07756	26.14117	222.95544	11.46442	0.1730008	0.21973458	2.7198009	21	11 5.7	19.7
202593 2006 GT_{52}	16.2	X	36.25658	37.39106	96.70413	7.61126	0.1010922	0.25500376	2.4628521	21	1 30.9	18.7
202594 2006 GY_{54}	16.2	X	235.56410	200.27785	141.84786	2.48276	0.1146440	0.19304958	2.9649916	21	4 3.2	20.8
202595 2006 HY_{4}	16.2	X	264.95330	295.68688	41.91856	2.55142	0.0715225	0.20323199	2.8651102	21	5 2.6	20.3
202596 2006 HQ_{16}	15.8	X	112.69632	81.77995	33.14451	10.36511	0.0593892	0.20050705	2.8910102	21	5 1.0	19.8
202597 2006 HD_{17}	15.5	X	179.05990	326.84324	262.64905	12.20930	0.1155007	0.22939847	2.6428694	21	12 10.2	19.6
202598 2006 HP_{17}	15.1	X	197.47410	232.95299	57.44600	17.54428	0.1998274	0.17713222	3.1400580	21	—	—
202599 2006 HS_{18}	17.5	X	23.45569	69.73746	77.79261	5.31190	0.1497149	0.25360392	2.4719067	21	1 24.7	19.9
202600 2006 HT_{20}	16.5	X	136.58309	186.46529	42.44134	5.50953	0.0965137	0.21998844	2.7177081	21	10 27.7	20.6
202601 2006 HG_{21}	16.1	X	311.24474	218.55462	148.48666	5.01778	0.0869511	0.21259150	2.7803883	21	8 11.8	19.6
202602 2006 HL_{23}	16.1	X	60.41834	148.06655	105.44920	3.08353	0.0364372	0.21204465	2.7851666	21	8 22.0	19.8
202603 2006 HL_{24}	15.9	X	339.92007	181.00111	109.25748	3.26185	0.0325026	0.20232879	2.8736305	21	6 16.1	19.5
202604 2006 HP_{25}	15.8	X	305.53851	194.74174	74.96718	4.65802	0.0958055	0.19106869	2.9854492	21	3 28.2	19.8
202605 Shenchunshan	16.0	X	233.55048	183.03141	96.36469	4.34233	0.1872610	0.17940037	3.1135355	21	1 15.9	21.3
202606 2006 HU_{34}	15.1	X	213.82896	262.26393	44.51742	12.53867	0.1648903	0.17960537	3.1111659	21	2 4.5	20.4
202607 2006 HC_{39}	15.9	X	235.37054	358.75542	149.79906	4.62888	0.0436065	0.22457237	2.6805989	21	11 11.9	19.6
202608 2006 HQ_{43}	16.4	X	9.62705	265.86175	4.12859	1.50900	0.0449605	0.20368792	2.8608332	21	7 1.9	20.1
202609 2006 HL_{44}	16.0	X	264.86878	23.86583	201.41645	2.25790	0.0481153	0.17655713	3.1468730	21	—	—
202610 2006 HY_{45}	15.6	X	217.91802	178.40553	100.49042	2.51286	0.1806587	0.17922733	3.1155392	21	1 2.9	20.8
202611 2006 HP_{50}	16.6	X	108.09665	313.02376	333.01808	1.14726	0.0695374	0.22818416	2.6522374	21	12 5.8	20.4
202612 2006 HX_{53}	15.8	X	239.74880	338.30904	204.96017	15.47957	0.1003379	0.23053239	2.6341960	21	12 21.8	19.7
202613 2006 HE_{55}	15.0	X	267.77766	228.06345	30.18998	19.12798	0.1786118	0.18210819	3.0825945	21	1 26.8	20.2
202614 Kayleigh	15.9	X	253.06725	259.92044	220.70992	13.64672	0.0974317	0.22435528	2.6823278	21	10 18.8	19.6
202615 2006 HR_{64}	16.3	X	222.13213	268.30818	152.29997	3.55135	0.1067495	0.20586901	2.8405912	21	6 25.2	20.5
202616 2006 HC_{65}	16.7	X	69.88129	273.95140	98.07725	2.37071	0.0664719	0.23292043	2.6161602	21	—	—
202617 2006 HC_{67}	15.8	X	172.76810	186.17743	199.87417	3.76298	0.0960169	0.18953504	3.0015325	21	3 24.1	20.4
202618 2006 HW_{72}	15.5	X	149.08162	272.77262	68.14685	20.64064	0.1916560	0.17275260	3.1929074	21	1 19.6	20.8
202619 2006 HX_{72}	15.3	X	198.34418	184.68744	114.37771	5.85276	0.1099713	0.17577810	3.1561639	21	1 9.1	20.2
202620 2006 HX_{73}	15.3	X	210.20912	285.63409	66.27216	12.64074	0.0342116	0.18966429	3.0001686	21	3 29.0	19.8
202621 2006 HT_{78}	17.4	X	306.76355	272.76486	221.16756	3.10188	0.2288310	0.23884189	2.5727389	21	—	—
202622 2006 HN_{79}	15.7	X	201.35936	253.47641	65.79167	1.81304	0.1541569	0.17938283	3.1137384	21	2 4.5	20.9
202623 2006 HK_{80}	15.5	X	183.15905	311.32070	42.45090	9.33822	0.1090669	0.18392596	3.0622504	21	3 2.2	20.4
202624 2006 HU_{80}	16.7	X	116.68146	200.06304	45.59014	3.12100	0.0392989	0.21911699	2.7249091	21	10 23.0	20.3
202625 2006 HE_{82}	15.1	X	229.67501	93.23178	229.06727	20.83681	0.0835322	0.18616236	3.0376761	21	2 26.6	20.1
202626 2006 HD_{83}	16.3	X	53.62703	244.88299	227.83654	9.24196	0.0174374	0.18376797	3.0640052	21	2 5.8	20.7
202627 2006 HN_{90}	16.3	X	272.26609	351.70897	266.57806	1.58466	0.1623509	0.18288327	3.0738787	21	1 26.1	20.9
202628 2006 HN_{94}	15.8	X	192.61290	225.73759	84.55150	2.26867	0.1743394	0.18006657	3.1058512	21	1 18.1	20.8
202629 2006 HE_{95}	16.0	X	299.86704	318.02998	98.04476	5.90032	0.0599119	0.21908407	2.7251820	21	10 8.0	19.5
202630 2006 HW_{100}	15.3	X	205.58392	358.43668	67.60867	16.32781	0.1240119	0.20303191	2.8669922	21	6 12.9	19.9
202631 2006 HK_{117}	16.1	X	194.55963	219.20282	90.47032	2.55553	0.1341464	0.17899463	3.1182388	21	1 18.1	21.0
202632 2006 HN_{120}	16.3	X	194.05541	343.44871	71.55279	3.08100	0.0609215	0.19844290	2.9110232	21	5 20.8	20.6
202633 2006 HA_{152}	16.4	X	2.10169	259.08514	12.64828	1.96062	0.0175137	0.20310284	2.8663247	21	6 22.9	20.3
202634 2006 HU_{153}	15.9	X	142.67072	195.23401	226.56477	9.71627	0.0205392	0.19038459	2.9925967	21	3 25.6	20.3
202635 2006 JD_{1}	16.5	X	344.75847	237.53251	191.20826	7.97961	0.1279885	0.23430020	2.6058792	21	—	—
202636 2006 JA_{3}	16.2	X	317.87110	283.12247	36.73795	2.44079	0.0640400	0.20429509	2.8551621	21	6 20.7	19.9
202637 2006 JT_{4}	15.1	X	167.37141	231.60801	69.82543	5.76307	0.1467490	0.17111928	3.2131925	21	—	—
202638 2006 JC_{8}	16.4	X	98.08267	177.72055	52.30502	6.01561	0.0728092	0.21326156	2.7745613	21	9 16.5	20.3
202639 2006 JU_{8}	17.1	X	250.31281	131.54281	9.25052	2.47898	0.0478104	0.22553016	2.6730041	21	11 18.4	20.7
202640 2006 JW_{13}	15.9	X	13.50378	178.17978	208.99140	3.07890	0.1023850	0.23237879	2.6202238	21	12 22.3	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202641 2006 JE_{15}	16.4	X	250.22336	186.43444	168.34627	2.22116	0.0991298	0.20006536	2.8952637	21	5 4.9	20.7
202642 2006 JS_{15}	16.3	X	157.68238	201.05082	31.23995	3.55899	0.0070322	0.22543104	2.6737876	21	11 23.8	19.8
202643 2006 JR_{27}	16.5	X	165.13254	110.47474	74.99956	3.23042	0.0220074	0.21842014	2.7307017	21	10 5.1	20.2
202644 2006 JU_{33}	16.3	X	226.39169	135.55635	152.94307	1.03429	0.1422439	0.18005840	3.1059452	21	1 21.2	21.3
202645 2006 JD_{34}	15.7	X	180.68104	215.06992	77.13223	3.08426	0.1575956	0.17050455	3.2209110	21	—	—
202646 2006 JM_{34}	16.4	X	349.83530	75.23876	147.32332	0.96140	0.0243971	0.19168265	2.9790709	21	4 3.4	20.4
202647 2006 JR_{38}	16.2	X	207.44549	259.54714	211.78794	8.99524	0.1095225	0.21229108	2.7830108	21	8 10.1	20.6
202648 2006 JK_{42}	15.8	X	253.89264	257.33108	217.07081	13.98072	0.1503149	0.22272511	2.6954003	21	10 2.4	19.7
202649 2006 JS_{46}	15.6	X	292.58532	6.84309	221.63310	16.52152	0.1543805	0.18268131	3.0761438	21	1 9.5	20.5
202650 2006 JL_{47}	15.8	X	223.13448	128.99798	41.77705	15.29383	0.0357218	0.22702813	2.6612332	21	11 22.5	19.4
202651 2006 JO_{56}	16.1	X	158.98443	189.95093	24.48008	5.52318	0.1063756	0.22238133	2.6981774	21	10 31.8	20.3
202652 2006 JA_{58}	15.4	X	331.64971	178.34407	40.91847	13.31301	0.0539322	0.18827119	3.0149502	21	3 10.1	19.6
202653 2006 KW	15.2	X	270.94910	207.05138	74.01338	9.70373	0.0399805	0.18598983	3.0395544	21	3 11.1	19.7
202654 2006 KY_{6}	16.1	X	303.38558	211.46161	238.02320	3.87544	0.0675173	0.22460676	2.6803253	21	11 23.6	19.2
202655 2006 KK_{10}	16.1	X	316.70802	117.66993	197.50266	1.40808	0.0573995	0.20110475	2.8852791	21	6 13.7	19.9
202656 2006 KE_{11}	15.7	X	207.19041	314.30098	64.55262	12.18084	0.0169423	0.19268969	2.9686823	21	4 25.1	20.0
202657 2006 KV_{15}	16.0	X	232.65502	252.28761	158.79918	2.43586	0.0651103	0.20326170	2.8648311	21	6 28.6	20.1
202658 2006 KW_{20}	16.6	X	206.55843	317.12237	205.86794	2.43004	0.0818421	0.22301199	2.6930882	21	10 20.2	20.5
202659 2006 KU_{22}	16.3	X	105.56685	177.91541	50.56582	5.09474	0.0477302	0.21272672	2.7792100	21	9 19.9	20.2
202660 2006 KK_{39}	15.5	X	84.66762	198.80389	90.19330	15.57638	0.0481072	0.21825475	2.7320810	21	11 13.8	19.5
202661 2006 KR_{49}	16.0	X	254.26860	112.67133	197.82649	3.71040	0.0788963	0.18837446	3.0138481	21	3 17.4	20.3
202662 2006 KE_{63}	17.1	X	349.73912	102.64092	27.80654	1.91837	0.0466671	0.24322782	2.5417172	21	—	—
202663 2006 KE_{78}	16.5	X	141.41786	291.64322	173.43984	5.52818	0.1502037	0.26419622	2.4053872	21	5 30.7	20.1
202664 2006 KD_{94}	15.7	X	148.94849	249.84177	144.30578	4.98423	0.1534436	0.18372876	3.0644412	21	3 16.7	20.6
202665 2006 KX_{100}	16.2	X	226.03191	272.27049	256.48116	6.81519	0.1354083	0.22670804	2.6637376	21	11 11.7	20.2
202666 2006 KG_{101}	16.3	X	255.08683	102.87589	278.38519	0.78382	0.0505236	0.20504102	2.8482332	21	6 19.0	20.2
202667 2006 KD_{102}	15.9	X	253.06358	127.28000	154.29321	8.64439	0.1044352	0.18145612	3.0899751	21	2 8.4	20.6
202668 2006 KP_{106}	16.9	X	213.79129	174.30187	263.68827	3.81271	0.1495194	0.27629601	2.3346385	21	7 5.6	20.2
202669 2006 KB_{107}	16.1	X	176.38722	154.89708	15.07770	3.92969	0.0393697	0.21893453	2.7264228	21	9 27.3	19.9
202670 2006 KC_{115}	16.4	X	271.09076	83.62821	193.56950	4.07857	0.1423294	0.18496106	3.0508148	21	2 16.8	21.0
202671 2006 KA_{121}	15.7	X	222.58578	358.10242	196.00044	13.38530	0.1596288	0.22865268	2.6486131	21	12 8.2	19.8
202672 2006 KW_{122}	15.4	X	171.38258	194.98223	126.48628	10.48143	0.0642466	0.17451665	3.1713546	21	1 6.2	20.1
202673 2006 LA_{5}	15.7	X	312.52436	227.94192	41.72732	3.46368	0.2424324	0.18904482	3.0067191	21	3 14.9	19.8
202674 2006 LT_{5}	16.5	X	208.61574	89.77289	135.87681	2.65754	0.2325857	0.23065663	2.6332500	21	12 24.0	20.5
202675 2006 MB_{1}	15.1	X	157.92365	264.28632	98.06872	17.43802	0.1414943	0.17991142	3.1076366	21	2 18.5	20.2
202676 2006 MH_{8}	15.7	X	299.78318	299.02147	126.92895	6.66756	0.0226293	0.21030380	2.8005154	21	10 23.2	19.5
202677 2006 QG_{39}	15.1	X	254.40807	240.63547	134.90904	12.26037	0.0956982	0.18795077	3.0183758	21	6 7.5	19.7
202678 2006 QF_{167}	15.0	X	233.61403	218.97178	143.89762	10.91722	0.0384041	0.17846158	3.1244451	21	5 6.7	19.7
202679 2006 SG_{142}	16.8	X	141.98375	254.39296	169.14139	7.22988	0.1257124	0.23686355	2.5870444	21	4 6.8	20.5
202680 2006 TV_{63}	14.9	X	8.99375	137.75535	166.67560	16.33836	0.0723107	0.18820579	3.0156486	21	8 15.4	18.8
202681 2006 UX_{89}	16.2	X	249.22219	356.52178	239.87528	7.78018	0.0732850	0.21557455	2.7546794	21	—	—
202682 2006 UP_{139}	16.4	X	312.63970	174.63010	104.67183	2.53485	0.1191651	0.23655789	2.5892725	21	4 9.1	19.5
202683 2006 US_{216}	19.8	X	91.31679	56.41854	193.24415	3.43233	0.5624049	1.93885329	0.6369511	21	—	—
202684 2006 VG_{74}	16.9	X	126.38064	203.52334	182.95891	1.19934	0.1057439	0.21927105	2.7236325	21	1 30.4	20.6
202685 2006 VV_{85}	17.8	X	219.34591	57.98750	227.79878	2.12675	0.0896640	0.28806806	2.2705931	21	—	—
202686 Birkfellner	16.9	X	244.80585	202.72241	84.20525	5.79279	0.2082112	0.27287428	2.3541149	21	1 20.9	20.8
202687 2007 DJ_{38}	16.8	X	178.73170	314.04507	347.42189	3.06521	0.1597581	0.26178877	2.4201115	21	—	—
202688 2007 DN_{102}	17.2	X	25.36754	320.62759	295.49028	5.04919	0.1519105	0.29348198	2.2425825	21	7 18.2	18.8
202689 2007 DR_{111}	16.8	X	162.64818	291.90727	0.92509	2.39020	0.1968722	0.25756750	2.4464819	21	—	—
202690 2007 EM_{46}	16.9	X	104.70686	27.68411	188.41639	4.00506	0.0953459	0.29977789	2.2110725	21	9 12.2	19.8
202691 2007 EK_{70}	17.1	X	289.31522	198.26755	83.22274	2.86923	0.1824173	0.27695407	2.3309389	21	2 26.4	20.2
202692 2007 EL_{82}	17.8	X	115.22001	189.82490	64.51744	2.64492	0.1538203	0.30534635	2.1841086	21	11 19.9	21.1
202693 2007 EC_{120}	16.5	X	62.99371	292.69370	37.96188	14.13086	0.2161918	0.23931271	2.5693635	21	12 29.7	20.6
202694 2007 EY_{172}	17.3	X	289.98608	341.44784	325.24771	1.96382	0.1881152	0.28120213	2.3074040	21	3 28.9	20.3
202695 2007 EY_{183}	17.1	X	290.27936	220.44144	51.91238	2.72198	0.1557702	0.27853708	2.3220989	21	2 18.5	20.2
202696 2007 ET_{189}	17.8	X	66.32530	39.38049	276.88139	1.38821	0.1765534	0.31320004	2.1474423	21	12 23.9	20.6
202697 2007 EX_{208}	16.0	X	56.20086	46.12707	173.31778	13.85687	0.1359898	0.22001028	2.7175282	21	7 13.1	19.7
202698 2007 ER_{209}	16.8	X	298.56439	319.07382	56.06298	8.54960	0.1996823	0.29614985	2.2290939	21	7 20.8	19.1
202699 2007 EH_{220}	17.2	X	224.01524	207.85394	79.74068	1.66277	0.1990132	0.26243467	2.4161390	21	1 5.9	21.3
202700 2007 FS_{37}	16.7	X	94.83906	68.12900	177.79148	2.89839	0.1092687	0.23182790	2.6243731	21	10 6.6	20.4
202701 2007 FB_{38}	16.9	X	282.50320	64.05861	27.65025	21.15193	0.0906026	0.38108964	1.8841607	21	11 19.5	18.5
202702 2007 FT_{42}	16.7	X	160.22500	148.50588	64.49930	22.92284	0.0437460	0.37767769	1.8954915	21	11 27.7	18.5
202703 2007 FO_{43}	15.2	X	344.16547	53.52570	244.23980	13.68988	0.1547504	0.21677722	2.7444814	21	6 23.4	18.2
202704 Utena	16.9	X	91.42435	139.70790	104.92922	6.24102	0.0706062	0.29932477	2.2133034	21	10 6.8	19.7
202705 2007 GH_{16}	17.2	X	27.50833	108.49795	227.58149	5.83232	0.1702761	0.30281936	2.1962425	21	11 30.6	19.6
202706 2007 GL_{16}	16.4	X	330.18552	67.11395	235.37735	2.55495	0.1611024	0.21567224	2.7538475	21	6 3.7	19.5
202707 2007 GN_{20}	17.4	X	224.00046	244.92391	61.21020	2.30733	0.1854069	0.26417500	2.4055159	21	1 28.3	21.2
202708 2007 GD_{23}	17.5	X	268.13648	227.02293	51.59313	1.81292	0.1766088	0.26837365	2.3803609	21	2 2.5	21.2
202709 2007 GE_{25}	15.6	X	33.14769	238.31834	35.35502	11.71689	0.1986003	0.22081886	2.7108903	21	9 8.3	18.8
202710 2007 GR_{26}	16.9	X	344.45350	187.40770	80.51007	4.76049	0.0916449	0.28468926	2.2885232	21	5 12.8	19.1
202711 2007 GS_{54}	17.1	X	13.27233	194.26144	101.46851	5.95694	0.1138598	0.29389664	2.2404726	21	8 26.5	19.1
202712 2007 GC_{61}	16.9	X	51.00786	291.56087	4.72073	3.85827	0.0688474	0.23193825	2.6235406	21	10 10.7	20.3
202713 2007 GP_{64}	18.2	X	294.83612	196.42984	225.99559	4.05506	0.0946865	0.30489676	2.1862551	21	10 14.1	20.0
202714 2007 HZ_{7}	17.1	X	14.73092	52.77957	173.82050	6.73036	0.0743687	0.28379161	2.2933465	21	5 5.8	19.5
202715 2007 HF_{16}	15.9	X	85.49688	223.89534	93.80028	5.32980	0.2432787	0.23811127	2.5779990	21	—	—
202716 2007 HC_{19}	16.6	X	132.53134	1.89667	262.39109	1.18904	0.0934178	0.24314296	2.5423085	21	12 8.6	20.4
202717 2007 HC_{20}	17.3	X	14.19101	44.23758	212.70941	5.03696	0.1679326	0.28583389	2.2824095	21	6 24.0	19.0
202718 2007 HN_{25}	17.4	X	182.70346	255.27971	48.17980	1.04638	0.2057817	0.25583287	2.4575281	21	—	—
202719 2007 HE_{27}	16.1	X	102.62218	289.60361	29.62404	4.75030	0.1620070	0.17257677	3.1950757	21	—	—
202720 2007 HF_{35}	16.8	X	38.30832	310.05169	18.91623	4.26674	0.2211479	0.23207924	2.6224780	21	11 28.4	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202721 2007 HF_{36}	17.8	X	303.56519	224.72788	220.66528	19.11260	0.0806171	0.38047303	1.8861959	21	12 27.1	19.6
202722 2007 HU_{43}	16.4	X	77.86341	105.49507	202.37657	14.15241	0.1273969	0.23796490	2.5790560	21	12 7.7	20.3
202723 2007 HY_{62}	17.3	X	112.60214	76.74314	204.15243	8.93408	0.1937316	0.23908664	2.5709829	21	12 13.1	21.6
202724 2007 HD_{65}	16.6	X	65.02763	92.09973	203.83821	11.88326	0.2724864	0.23096047	2.6309400	21	11 25.6	20.7
202725 2007 HG_{75}	16.7	X	238.22389	172.97029	183.37420	2.35951	0.0855093	0.20885347	2.8134655	21	4 23.9	20.9
202726 2007 HN_{79}	16.5	X	262.98613	152.86946	137.05582	10.91525	0.1980670	0.26848351	2.3797115	21	2 9.6	20.2
202727 2007 HP_{90}	17.2	X	83.71951	203.75314	84.82039	6.30503	0.1314838	0.30463679	2.1874988	21	11 30.9	20.2
202728 2007 JU_{9}	15.5	X	79.60085	65.77211	244.12408	12.02505	0.2270116	0.23373993	2.6100417	21	12 20.0	19.7
202729 2007 JK_{12}	15.9	X	65.91969	139.29977	185.06228	13.23941	0.1503311	0.23563397	2.5960365	21	12 17.2	19.9
202730 2007 JU_{12}	15.8	X	96.19649	174.57796	109.41343	11.29487	0.1949265	0.23402125	2.6079495	21	12 3.7	20.0
202731 2007 JU_{13}	17.2	X	162.18792	158.81525	50.69764	4.37454	0.0446386	0.30627437	2.1796944	21	11 12.3	19.6
202732 2007 JW_{15}	16.1	X	118.48319	218.51658	79.22122	6.21236	0.3079071	0.23849603	2.5752256	21	—	—
202733 2007 JM_{22}	15.7	X	44.96171	72.08938	206.87689	10.72563	0.0534260	0.22444357	2.6816243	21	9 2.7	19.4
202734 2007 JU_{32}	16.8	X	319.93534	187.83123	75.63800	8.05983	0.0850708	0.27642319	2.3339223	21	4 1.1	19.6
202735 2007 KJ_{1}	17.4	X	250.67903	138.06020	154.80817	2.56113	0.2023305	0.26490183	2.4011138	21	2 2.2	21.4
202736 Julietclare	17.2	X	223.05990	203.45604	84.72908	2.73350	0.1845835	0.26197815	2.4189451	21	1 5.8	21.2
202737 2007 KT_{5}	16.0	X	259.40573	226.35650	100.85650	3.24439	0.0702089	0.20513106	2.8473997	21	4 14.3	20.1
202738 2007 LK_{1}	15.3	X	250.55936	25.02754	203.16878	7.89903	0.0880653	0.18520479	3.0481376	21	—	—
202739 2007 LP_{29}	17.1	X	66.57164	354.89039	254.24156	4.75999	0.1734163	0.28834116	2.2691591	21	9 17.9	20.0
202740 Vicsympho	16.0	X	190.24061	313.91464	6.32869	5.69136	0.1751621	0.17881860	3.1202850	21	1 28.9	21.2
202741 2007 LQ_{32}	15.7	X	192.05746	50.77197	275.23553	10.43840	0.2122046	0.25320455	2.4745052	21	1 25.0	20.0
202742 2007 MZ_{11}	16.3	X	315.63154	19.90063	213.34916	1.09842	0.0489709	0.19037749	2.9926711	21	2 27.6	20.3
202743 2007 MB_{12}	16.0	X	243.67636	157.33281	230.74624	1.09304	0.1096320	0.20344296	2.8631292	21	6 7.0	20.1
202744 2007 MW_{14}	16.6	X	194.93643	240.05035	131.20981	1.38255	0.2089683	0.26011305	2.4304944	21	3 24.6	20.7
202745 2007 ND	15.1	X	191.20926	289.24493	43.20467	8.16247	0.1603628	0.18507861	3.0495229	21	2 13.1	20.2
202746 2007 NO	15.8	X	59.72899	220.64446	78.90476	9.63090	0.2353103	0.22461082	2.6802929	21	11 19.8	19.7
202747 2007 OU_{1}	16.3	X	275.30930	266.22136	346.01832	7.55295	0.1534394	0.25873757	2.4391006	21	1 12.1	20.1
202748 2007 OV_{3}	16.1	X	2.56583	121.01771	282.23812	11.40338	0.1382816	0.23072926	2.6326973	21	12 31.6	19.2
202749 2007 PH_{3}	14.8	X	188.57723	270.50495	106.15227	12.21248	0.1501667	0.18982720	2.9984519	21	4 5.0	19.9
202750 2007 PQ_{7}	15.4	X	244.33237	316.98999	308.96858	8.87054	0.0709734	0.18182636	3.0857790	21	1 15.9	20.1
202751 2007 PR_{23}	15.9	X	219.25991	52.27280	269.10160	4.94194	0.2393947	0.25540452	2.4602751	21	2 10.2	20.2
202752 2007 PX_{30}	11.9	X	4.24489	83.56195	285.49815	18.71165	0.1459987	0.08228077	5.2352467	21	10 11.9	18.4
202753 2007 PK_{45}	15.0	X	183.76881	224.36801	74.31161	17.51460	0.2128339	0.17555168	3.1588771	21	—	—
202754 2007 PK_{46}	16.0	X	317.72239	291.86220	329.54600	2.14070	0.0678130	0.19171082	2.9787791	21	4 3.6	20.0
202755 2007 QW_{1}	15.8	X	127.72295	88.15230	263.87658	3.75557	0.0888582	0.17043715	3.2217602	21	—	—
202756 2007 QL_{11}	13.4	X	315.35665	282.95356	170.39617	13.75233	0.0276040	0.08210076	5.2428962	21	11 23.1	20.4
202757 2007 QY_{14}	16.4	X	49.65451	34.39980	197.98002	4.41935	0.2784264	0.27760963	2.3272678	21	8 17.9	18.8
202758 2007 RJ_{19}	13.3	X	321.48028	36.11748	33.11158	4.01535	0.0487870	0.07911056	5.3741909	21	10 30.5	20.2
202759 2007 RL_{57}	15.7	X	15.02559	346.25742	248.90079	3.95083	0.2226863	0.19528458	2.9423257	21	5 29.2	18.3
202760 2007 RP_{64}	16.2	X	273.12409	337.79052	338.60263	1.93957	0.0956133	0.19266811	2.9689040	21	4 12.5	20.5
202761 2007 RB_{65}	16.4	X	207.52974	137.56952	322.23827	1.16435	0.0181690	0.20638427	2.8358613	21	8 5.2	20.1
202762 2007 RS_{69}	15.7	X	124.39158	74.40355	35.66460	3.15521	0.0343475	0.19063453	2.9899804	21	5 7.2	19.8
202763 2007 RW_{94}	15.9	X	248.20704	350.14430	78.52979	3.21952	0.0473570	0.20213500	2.8754669	21	8 13.4	20.0
202764 2007 RM_{152}	15.7	X	61.66853	229.20853	228.42195	3.80630	0.1714072	0.17353419	3.1833130	21	2 17.0	19.5
202765 2007 RZ_{155}	16.0	X	151.40592	235.46084	336.06056	4.29970	0.0989499	0.21904641	2.7254944	21	10 19.2	20.2
202766 2007 RE_{197}	15.4	X	133.89840	359.49410	338.74871	5.66878	0.1389201	0.16976686	3.2302350	21	—	—
202767 2007 RA_{220}	16.8	X	303.00557	165.14491	327.95324	2.23469	0.1880653	0.22360097	2.6883569	21	—	—
202768 2007 RT_{228}	17.2	X	27.62825	254.11073	319.53504	4.09586	0.1518875	0.27079862	2.3661290	21	5 10.5	19.2
202769 2007 RF_{234}	16.2	X	292.42309	225.23998	112.77423	8.08493	0.1343919	0.26842435	2.3800611	21	5 27.4	19.1
202770 2007 RW_{238}	15.2	X	153.08917	278.42045	60.80414	6.23053	0.1414860	0.17284080	3.1918210	21	1 16.2	20.1
202771 2007 RH_{278}	14.7	X	157.94378	211.37783	85.07962	13.11245	0.1753359	0.16347874	3.3125456	21	—	—
202772 2007 TS	16.4	X	224.05883	174.88418	219.83194	10.37106	0.2238924	0.26218005	2.4177030	21	5 16.6	20.3
202773 2007 TY_{2}	15.4	X	16.09303	242.84383	104.31698	11.49986	0.0753735	0.21247799	2.7813785	21	11 1.3	19.1
202774 2007 TX_{213}	16.4	X	27.90566	165.53017	300.80305	2.80868	0.0344451	0.23415932	2.6069243	21	—	—
202775 2007 TF_{235}	16.2	X	302.33505	185.23279	122.57369	3.14580	0.0725413	0.19630891	2.9320815	21	5 13.5	20.2
202776 2007 TK_{348}	16.5	X	114.35689	251.91390	117.76401	2.55873	0.1027186	0.24307453	2.5427856	21	—	—
202777 2007 TP_{351}	15.7	X	127.90784	350.26562	49.84197	4.24138	0.1084127	0.17765150	3.1339360	21	2 27.2	20.3
202778 Dmytria	15.4	X	192.11679	89.34016	331.28810	9.57760	0.1229110	0.18702127	3.0283685	21	5 23.1	20.4
202779 2007 UY_{10}	15.4	X	195.74413	96.79525	289.26918	7.40005	0.0734554	0.18164085	3.0878797	21	4 13.9	20.3
202780 2007 VA_{169}	17.1	X	164.04478	315.27006	86.41495	1.41912	0.0688280	0.24439928	2.5335886	21	3 27.6	20.5
202781 2007 VP_{297}	15.0	X	69.45247	201.26084	90.50095	15.23354	0.1767988	0.21318648	2.7752127	21	11 14.8	19.2
202782 2007 VM_{299}	15.1	X	161.23938	294.62340	144.47356	11.91685	0.1314531	0.18127967	3.0919797	21	5 22.0	20.2
202783 2007 YK_{2}	12.2	X	67.97177	59.41783	282.83119	21.15868	0.0343137	0.08264049	5.2200435	21	11 28.2	19.2
202784 Gangkeda	16.0	X	340.90263	142.63159	305.14859	4.78867	0.0201911	0.20265858	2.8705121	21	—	—
202785 2008 GE_{44}	17.6	X	303.61547	186.89143	22.01122	1.05991	0.1670060	0.28578581	2.2826655	21	—	—
202786 2008 MF_{1}	14.4	X	135.69585	302.23964	43.85690	27.42064	0.2870369	0.17971374	3.1099151	21	1 26.3	20.0
202787 Kestecher	17.2	X	133.19490	290.46859	42.68265	1.03257	0.2306459	0.26042488	2.4285539	21	—	—
202788 2008 OK_{18}	17.1	X	8.73666	181.00186	165.09310	2.32046	0.1528876	0.30333716	2.1937424	21	11 12.1	18.9
202789 2008 PU_{11}	14.9	X	184.62701	269.82008	328.32373	24.63186	0.2607896	0.17977705	3.1091849	21	12 10.4	20.8
202790 2008 QR_{3}	16.7	X	100.00154	237.89985	167.02352	8.35687	0.1027511	0.25829467	2.4418880	21	1 9.2	19.6
202791 2008 QC_{4}	12.9	X	309.97879	210.91898	221.66487	8.24112	0.0809268	0.08358854	5.1804985	21	10 17.3	19.5
202792 2008 QB_{6}	15.0	X	130.46473	201.87462	140.81728	11.42107	0.0821379	0.18244848	3.0787603	21	—	—
202793 2008 QG_{13}	16.7	X	30.45124	37.78637	292.88080	0.77479	0.1595428	0.23398909	2.6081885	21	11 10.9	19.9
202794 2008 QO_{16}	15.4	X	315.63742	164.52366	337.87954	8.84386	0.0473906	0.17847489	3.1242897	21	—	—
202795 2008 QD_{17}	16.2	X	272.83640	147.56420	173.86504	1.80549	0.0651697	0.20734586	2.8270868	21	4 22.5	20.1
202796 2008 QQ_{29}	16.9	X	211.46468	180.27474	120.91388	3.02867	0.0711681	0.26854535	2.3793461	21	1 7.1	20.0
202797 2008 QR_{30}	12.7	X	325.30591	155.57937	256.33236	8.48097	0.1247198	0.08132160	5.2763320	21	10 8.0	19.2
202798 2008 QG_{36}	16.6	X	270.10760	8.80985	352.96159	3.45004	0.1130417	0.21378360	2.7700426	21	6 2.5	20.6
202799 2008 RB_{22}	16.8	X	133.33708	321.09700	58.34963	2.98795	0.2101697	0.26405706	2.4062321	21	2 6.3	20.0
202800 2008 RZ_{34}	15.5	X	190.72446	258.33162	194.23476	4.67904	0.0990510	0.21219163	2.7838802	21	7 2.6	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202801 2008 RC_{47}	16.7	X	338.71467	193.64906	181.70648	2.84927	0.1924450	0.22775150	2.6555953	21	10 10.4	19.0
202802 2008 RE_{79}	15.8	X	228.01111	256.89201	190.98613	8.66936	0.1534492	0.21636232	2.7479888	21	7 30.3	20.2
202803 2008 RZ_{104}	16.6	X	98.34157	41.93846	180.48485	2.21226	0.0281744	0.22440859	2.6819030	21	8 29.2	20.2
202804 2008 RO_{116}	16.4	X	4.79814	122.77680	219.82904	5.78979	0.0341340	0.22041011	2.7142408	21	9 30.4	20.0
202805 2008 RS_{116}	15.5	X	200.57522	110.25376	225.02136	15.07636	0.0923343	0.18416122	3.0596419	21	2 14.9	20.6
202806 Sierrastars	17.4	X	322.03315	304.05032	33.56817	4.68148	0.2319607	0.29578292	2.2309371	21	6 28.1	19.0
202807 2008 SR_{11}	14.7	X	110.71809	345.78570	24.84338	17.73501	0.1178714	0.17618605	3.1512900	21	1 4.7	19.4
202808 2008 SJ_{15}	16.0	X	9.88184	207.73388	273.94811	1.11913	0.0629923	0.18632054	3.0359566	21	—	—
202809 2008 SQ_{33}	16.2	X	211.93034	45.54481	317.23946	1.17004	0.0818676	0.20311483	2.8662119	21	4 3.4	20.6
202810 2008 SE_{42}	15.9	X	131.91901	74.95083	249.99488	3.12539	0.1665540	0.17931591	3.1145131	21	—	—
202811 2008 SO_{43}	15.7	X	337.62744	148.61622	203.67350	5.48480	0.0706307	0.22153192	2.7050700	21	9 3.0	18.9
202812 2008 SB_{46}	16.0	X	101.99052	86.43395	185.67118	3.21575	0.1258195	0.23334591	2.6129790	21	11 18.2	19.9
202813 2008 SV_{52}	17.5	X	3.04506	259.19736	189.13467	6.13976	0.1850176	0.24452087	2.5327487	21	—	—
202814 2008 SX_{60}	15.7	X	235.27601	64.97852	344.72168	7.55856	0.1616004	0.21179230	2.7873784	21	6 20.5	20.2
202815 2008 SQ_{62}	15.6	X	59.49859	73.38209	352.22624	10.43555	0.0842745	0.17777640	3.1324680	21	—	—
202816 2008 SS_{62}	17.6	X	55.02064	315.31948	342.13074	4.26697	0.2148663	0.31004749	2.1619745	21	11 19.4	20.5
202817 2008 SS_{64}	16.0	X	300.62242	323.97578	11.59618	1.86183	0.0833601	0.21525551	2.7574006	21	6 13.6	19.6
202818 2008 SN_{74}	15.6	X	158.51045	230.97158	331.07101	10.91883	0.0185892	0.22670635	2.6637508	21	10 12.4	19.5
202819 Carlosanchez	16.7	X	311.80131	184.44737	185.26943	6.07013	0.0393392	0.22366491	2.6878446	21	8 21.2	20.2
202820 2008 SQ_{86}	17.2	X	32.36661	252.86523	303.95808	5.11673	0.0836739	0.27800864	2.3250405	21	4 17.4	19.6
202821 2008 SD_{104}	17.0	X	83.67411	100.94780	206.79060	1.39722	0.2074881	0.23780042	2.5802452	21	12 20.5	21.1
202822 2008 SP_{106}	16.1	X	162.62832	222.38345	176.64863	2.12351	0.1595596	0.19136291	2.9823884	21	4 2.9	20.9
202823 2008 SW_{107}	15.7	X	103.45181	161.88158	216.11352	10.84725	0.0748731	0.17777591	3.1324737	21	—	—
202824 2008 SX_{107}	12.8	X	9.92476	164.10106	234.68843	8.49092	0.0830340	0.08324072	5.1949196	21	11 27.3	19.3
202825 2008 SX_{115}	15.3	X	235.46722	139.72911	167.70656	9.94441	0.0307388	0.19032228	2.9932498	21	2 24.4	19.7
202826 2008 SG_{118}	15.4	X	68.59971	10.72540	204.81642	11.98149	0.1166643	0.21034022	2.8001922	21	7 21.2	19.4
202827 2008 SQ_{143}	15.9	X	257.06104	279.94004	77.64938	3.19126	0.0825438	0.20298162	2.8674658	21	5 17.8	19.9
202828 2008 SS_{155}	17.0	X	316.56223	227.81663	145.68028	6.09563	0.1588626	0.29919840	2.2139265	21	8 31.4	18.6
202829 2008 SD_{160}	15.9	X	3.56256	351.30480	351.83621	2.27457	0.1320325	0.22703461	2.6611826	21	10 9.1	18.7
202830 2008 SY_{166}	16.6	X	309.36155	168.07955	172.82334	4.06138	0.2121005	0.21577581	2.7529662	21	6 14.3	20.0
202831 2008 SX_{167}	16.9	X	174.76163	211.74395	187.07867	7.85784	0.2862447	0.27060356	2.3672659	21	4 13.4	21.1
202832 2008 SZ_{193}	17.1	X	331.51447	269.27753	76.50338	4.55944	0.2028860	0.29799147	2.2199004	21	8 15.4	18.3
202833 2008 SX_{194}	15.9	X	66.62430	8.81370	93.10239	0.13885	0.1483681	0.18070498	3.0985319	21	2 27.7	19.6
202834 2008 SW_{195}	16.4	X	189.64655	238.98943	180.45006	2.13626	0.0680179	0.20044825	2.8915755	21	5 21.6	20.7
202835 2008 SY_{195}	16.3	X	201.44407	274.26270	199.05424	3.85554	0.1568933	0.21070600	2.7969505	21	8 5.8	20.8
202836 2008 SS_{201}	16.1	X	154.16119	132.59255	263.88499	1.92520	0.0473640	0.18917062	3.0053860	21	3 12.7	20.5
202837 2008 SR_{205}	16.5	X	40.77513	207.79575	182.16408	9.71920	0.1962478	0.24054136	2.5606067	21	—	—
202838 2008 SE_{206}	16.3	X	105.62436	222.58643	85.65523	5.74503	0.2617356	0.24299932	2.5433103	21	—	—
202839 2008 SX_{218}	17.4	X	186.65140	25.98279	330.20058	2.31283	0.2461243	0.27034016	2.3688033	21	2 27.1	21.3
202840 2008 SG_{235}	18.0	X	273.19896	31.74091	34.38481	4.62141	0.0931477	0.30075293	2.2062910	21	9 15.3	20.2
202841 2008 SQ_{242}	16.0	X	33.76601	311.70633	179.05333	1.52610	0.1467269	0.17936687	3.1139232	21	2 9.7	19.5
202842 2008 SU_{264}	16.2	X	280.78192	103.11011	48.22107	9.45073	0.1056103	0.23770714	2.5809201	21	—	—
202843 2008 SV_{264}	16.8	X	110.18351	254.84229	49.55393	8.26138	0.2574451	0.24296331	2.5435615	21	—	—
202844 2008 TK_{7}	16.0	X	330.20098	101.98945	194.86970	4.04129	0.0463064	0.21087316	2.7954722	21	6 9.7	19.6
202845 2008 TN_{12}	16.2	X	161.17313	251.71817	304.39313	4.48565	0.2192271	0.23584692	2.5944735	21	10 10.4	20.8
202846 2008 TK_{20}	16.5	X	240.42524	8.09735	19.22177	1.88429	0.0719405	0.20484975	2.8500059	21	6 6.0	20.5
202847 2008 TK_{24}	17.5	X	269.45522	225.05203	215.65720	3.40972	0.1329355	0.30039838	2.2080267	21	9 20.9	19.9
202848 2008 TG_{48}	16.9	X	44.56589	171.76606	145.92438	2.12415	0.1053713	0.23614602	2.5922823	21	11 6.8	20.1
202849 2008 TM_{74}	18.0	X	136.10426	145.00801	266.97875	0.47830	0.1691677	0.26439019	2.4042105	21	3 16.6	21.5
202850 2008 TM_{78}	13.3	X	332.27044	341.54885	82.92666	1.36001	0.0487058	0.08064471	5.3058153	21	11 7.9	20.0
202851 2008 TW_{90}	16.5	X	66.87958	286.45566	39.79873	11.97023	0.3302081	0.23926412	2.5697113	21	—	—
202852 2008 TH_{92}	16.1	X	23.00497	223.46932	131.94985	4.95311	0.2963014	0.23269082	2.6178809	21	12 24.7	19.2
202853 2008 TW_{94}	16.0	X	336.84886	332.45867	13.19156	14.12759	0.2054470	0.21937116	2.7228039	21	8 25.4	18.7
202854 2008 TJ_{99}	13.2	X	50.62886	269.44557	77.14896	1.88045	0.0691610	0.08231833	5.2336543	21	11 18.3	20.0
202855 2008 TX_{109}	12.5	X	320.24710	320.15114	123.01273	8.45748	0.0427921	0.08040076	5.3165426	21	11 16.4	19.4
202856 2008 TN_{116}	16.0	X	307.34115	47.68596	345.98701	5.77452	0.0921212	0.22128919	2.7070477	21	9 11.9	19.3
202857 2008 TT_{117}	15.4	X	221.96772	245.10740	28.88393	16.68816	0.2006191	0.18042441	3.1017433	21	—	—
202858 2008 TW_{117}	16.1	X	228.67562	196.76786	298.45908	1.71579	0.1236597	0.22233857	2.6985234	21	10 4.4	19.9
202859 2008 TP_{124}	16.9	X	327.32011	159.30384	299.53703	3.24545	0.1404598	0.23951547	2.5679132	21	—	—
202860 2008 TX_{125}	16.5	X	128.63292	120.13828	346.26922	5.81930	0.1986905	0.19631254	2.9320454	21	5 24.0	21.3
202861 2008 TM_{128}	17.2	X	337.97575	281.93756	34.86959	6.25489	0.2123190	0.29639006	2.2278894	21	7 5.7	18.5
202862 2008 TT_{128}	16.5	X	103.50945	123.97611	170.45424	5.63654	0.1314555	0.24063496	2.5599426	21	12 18.0	20.5
202863 2008 TD_{161}	16.1	X	231.28744	265.02213	34.59248	3.46641	0.1201747	0.19183433	2.9775004	21	2 7.9	20.7
202864 2008 UY_{3}	17.4	X	8.82874	117.32079	213.58088	5.74476	0.1906447	0.30181867	2.2010943	21	10 24.3	18.9
202865 2008 UQ_{6}	17.2	X	349.12973	304.43627	53.03348	10.00182	0.1691002	0.29915313	2.2141499	21	10 24.4	18.7
202866 2008 UK_{30}	16.2	X	53.62067	202.95480	67.06526	4.48955	0.1423260	0.21795596	2.7345774	21	9 21.9	19.8
202867 2008 UU_{36}	16.6	X	70.54451	268.04061	359.09080	2.92397	0.0470014	0.21861056	2.7291157	21	9 23.8	20.1
202868 2008 UC_{49}	15.7	X	241.64007	278.21691	40.38168	10.19781	0.1154844	0.18938999	3.0030647	21	3 15.9	20.5
202869 2008 UM_{53}	16.2	X	133.10687	219.75945	56.29266	8.45020	0.1911176	0.23497393	2.6008956	21	12 23.1	20.5
202870 2008 UF_{62}	16.3	X	299.35396	353.40033	24.86887	6.74903	0.0474963	0.21480517	2.7612532	21	8 17.9	19.9
202871 2008 UE_{92}	15.8	X	188.24701	352.46265	71.05566	10.72682	0.2571062	0.20102499	2.8860422	21	5 25.2	21.0
202872 2008 UG_{109}	16.0	X	314.06081	315.57625	20.38377	2.08173	0.0422223	0.20603505	2.8390649	21	7 10.1	19.7
202873 2008 UV_{119}	16.6	X	289.76749	267.57454	265.15700	5.92066	0.0582267	0.24393909	2.5367740	21	—	—
202874 2008 UT_{124}	16.4	X	262.52846	226.95525	278.62016	8.81700	0.1743617	0.22811568	2.6527681	21	11 21.9	19.9
202875 2008 UR_{130}	17.2	X	343.19862	62.24815	222.81068	6.50260	0.1041058	0.28503733	2.2866598	21	6 4.8	19.4
202876 2008 UT_{131}	16.8	X	248.91257	25.19038	359.29545	1.65610	0.1058574	0.20607427	2.8387046	21	6 8.5	20.9
202877 2008 UW_{145}	17.1	X	137.72716	246.52706	60.54184	6.01409	0.2351355	0.24697448	2.5159461	21	—	—
202878 2008 UH_{184}	17.6	X	263.03169	308.69858	35.69911	1.30333	0.2007063	0.27978998	2.3151614	21	4 18.1	20.9
202879 2008 UF_{251}	15.8	X	254.17039	300.42127	24.33907	1.21599	0.1244156	0.19625510	2.9326175	21	3 30.2	20.2
202880 2008 UH_{262}	15.7	X	259.35544	270.05479	358.29302	7.06523	0.1913254	0.25909662	2.4368468	21	1 14.4	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202881 2008 UV_{281}	16.8	X	336.98371	16.62054	58.16275	8.41468	0.1414605	0.23129697	2.6283876	21	12 31.2	19.6
202882 2008 UA_{316}	16.3	X	40.81223	141.74075	226.40114	1.35361	0.1701954	0.23380257	2.6095754	21	—	—
202883 4723 P–L	15.8	X	344.08903	172.97544	184.58785	9.36152	0.1335885	0.22605855	2.6688372	21	9 23.4	18.3
202884 7590 P–L	16.3	X	345.88517	12.72812	34.76502	6.91764	0.2869360	0.22740279	2.6583094	21	12 24.5	18.4
202885 3095 T–2	17.2	X	75.23982	288.73359	30.38289	3.78291	0.1835311	0.31215923	2.1522130	21	—	—
202886 1979 OZ_9	17.8	X	138.50356	111.43229	172.16572	4.67535	0.1929091	0.31383392	2.1445498	21	—	—
202887 1981 EO_{33}	15.5	X	263.82409	356.21736	190.16912	15.65445	0.1510339	0.21400779	2.7681077	21	—	—
202888 1981 EM_{34}	16.7	X	118.12326	270.84006	266.80075	6.18729	0.0657004	0.27694929	2.3309657	21	7 30.8	19.8
202889 1991 TF_{15}	16.2	X	75.29909	337.38466	39.61035	6.89316	0.2114759	0.23787254	2.5797236	21	—	—
202890 1991 VN_7	15.3	X	154.83001	310.96366	61.48868	5.84149	0.1423795	0.17884159	3.1200175	21	2 26.1	20.2
202891 1992 EO_{10}	16.2	X	330.53356	339.64409	135.60240	3.04183	0.1496523	0.22949770	2.6421075	21	—	—
202892 1993 SP	17.0	X	196.34845	259.88391	171.70918	4.59352	0.2395664	0.27406599	2.3472857	21	6 8.7	21.0
202893 1993 TH_{39}	16.8	X	187.17634	306.69574	79.53569	4.10206	0.2008644	0.26740471	2.3861075	21	4 6.2	20.7
202894 1994 WB_5	18.2	X	201.90490	19.90065	51.97369	1.42218	0.2052873	0.28174683	2.3044291	21	6 13.7	22.0
202895 1994 YP	16.6	X	213.30440	155.47837	281.93326	26.54700	0.2560148	0.28084166	2.3093780	21	6 29.6	20.5
202896 1995 DD_7	17.2	X	173.05655	322.39980	143.03457	3.36200	0.1223429	0.27473019	2.3435009	21	6 30.8	20.7
202897 1995 DE_9	17.1	X	252.63647	16.15160	15.05731	2.72834	0.2052413	0.27600495	2.3362795	21	6 8.1	20.5
202898 1995 FK_{14}	15.4	X	331.19086	137.82190	134.66607	4.23096	0.0285384	0.19280492	2.9674994	21	5 13.4	19.4
202899 1995 FP_{16}	17.4	X	14.64761	251.16081	11.33253	1.28207	0.1571222	0.27033068	2.3688587	21	7 4.9	19.4
202900 1995 FL_{20}	16.4	X	295.34421	211.02128	107.99978	2.51976	0.2014567	0.26932991	2.3747232	21	4 22.9	19.5
202901 1995 OJ_{17}	16.1	X	249.65532	108.71182	124.20771	9.19131	0.0575250	0.24477559	2.5309913	21	—	—
202902 1995 SC_{13}	17.2	X	130.47392	167.86357	174.72304	1.45875	0.1757749	0.24221907	2.5487691	21	—	—
202903 1995 SD_{52}	16.7	X	356.17356	56.65741	12.05693	2.52274	0.1926462	0.23309636	2.6148436	21	—	—
202904 1995 UF_{23}	16.6	X	155.88447	328.55875	308.47788	2.32802	0.0593399	0.23481987	2.6020332	21	—	—
202905 1995 UE_{31}	17.3	X	102.66214	301.42171	13.45526	3.36510	0.1552763	0.31265599	2.1499328	21	—	—
202906 1995 WW_{11}	16.5	X	84.13946	270.38427	103.91411	5.22478	0.2161523	0.23672121	2.5880814	21	—	—
202907 1996 RH_1	16.3	X	300.93254	352.73604	296.88373	7.56959	0.1968360	0.26632747	2.3925374	21	3 16.6	19.8
202908 1996 TH_{11}	16.5	X	195.56489	149.06270	218.35596	2.52417	0.2405872	0.25980891	2.4323908	21	3 19.7	20.6
202909 Jakoten	14.9	X	151.36058	60.86667	266.65465	17.27328	0.2916857	0.17226800	3.1988925	21	1 10.3	20.4
202910 1996 VE_{14}	17.1	X	37.12418	332.78941	213.70477	0.72982	0.1246806	0.25847272	2.4407666	21	4 18.6	19.3
202911 1997 EC_{14}	16.5	X	332.10297	289.56843	176.62944	3.51961	0.1440073	0.23543991	2.5974628	21	—	—
202912 1997 MK_8	16.0	X	119.36644	93.98432	149.35668	4.60857	0.0514477	0.21249005	2.7812732	21	10 24.7	20.0
202913 1997 NV_5	16.6	X	307.17616	89.21275	288.83156	3.83950	0.2000390	0.28745177	2.2738373	21	8 8.4	18.4
202914 1997 PA	16.3	X	338.57974	23.54089	317.21201	8.78156	0.2848465	0.28835442	2.2690896	21	8 15.9	16.6
202915 1997 TR_7	17.0	X	358.60772	278.75320	2.90158	3.84362	0.2206300	0.28226897	2.3015864	21	6 28.4	18.2
202916 1997 TK_9	17.3	X	299.00977	79.58019	218.30671	5.11477	0.1466267	0.27541219	2.3396305	21	4 3.9	20.3
202917 1997 WZ_5	15.4	X	159.68241	270.25242	195.02296	3.00308	0.0143651	0.19119897	2.9840930	21	6 12.5	19.6
202918 1997 WK_{20}	16.1	X	205.82843	238.22010	87.04843	3.68693	0.0982402	0.18164661	3.0878143	21	2 15.5	20.8
202919 1997 YJ_{12}	17.3	X	91.74831	138.96508	270.50662	0.44382	0.1701412	0.25731621	2.4480744	21	1 13.6	19.8
202920 1997 YP_{19}	16.8	X	209.50187	111.12999	311.25290	3.00152	0.1921300	0.27253162	2.3560877	21	6 8.6	20.5
202921 1998 AM_1	15.7	X	340.38831	130.38977	118.21511	2.06935	0.1265265	0.17980984	3.1088069	21	4 16.2	19.4
202922 1998 FM_{31}	16.4	X	356.72812	196.29904	40.97599	2.70502	0.1866996	0.25893730	2.4378462	21	4 10.8	18.4
202923 1998 JM_3	16.2	X	173.32636	171.08997	95.79669	7.90164	0.0856800	0.23649849	2.5897060	21	—	—
202924 1998 OK_5	16.1	X	358.61376	120.99723	237.97407	4.03728	0.1287512	0.22000290	2.7175890	21	10 20.6	19.1
202925 1998 QF_{29}	16.3	X	358.81388	75.62309	284.49689	5.76366	0.2081419	0.21760886	2.7374845	21	10 28.2	19.0
202926 1998 QM_{84}	15.9	X	344.74379	62.46277	287.03671	9.03836	0.2822515	0.21452066	2.7636941	21	9 4.9	18.0
202927 1998 SQ_{85}	17.4	X	356.38845	315.88823	88.26348	0.97011	0.1496106	0.30625322	2.1797948	21	—	—
202928 1998 ST_{92}	17.4	X	78.50504	23.99450	345.85845	2.42090	0.1286376	0.31275114	2.1494967	21	—	—
202929 1998 SZ_{125}	16.1	X	36.95933	262.06187	67.38161	5.34760	0.0895515	0.21675579	2.7446623	21	11 6.3	19.6
202930 Ivezic	16.7	X	30.71844	7.46067	346.14388	4.56303	0.1299636	0.21987714	2.7186251	21	12 3.5	20.1
202931 1998 TB_1	16.5	X	281.89957	168.18300	184.16240	1.38565	0.1302959	0.20413110	2.8566910	21	6 3.8	20.5
202932 1998 TF_{27}	17.7	X	313.29882	88.22473	15.84867	1.31240	0.0736388	0.30852622	2.1690755	21	—	—
202933 1998 VY_{40}	16.4	X	284.31432	172.96888	222.45633	1.25506	0.0954427	0.20665522	2.8333820	21	8 8.5	20.1
202934 1998 WC_{39}	15.9	X	206.59685	138.43143	174.10967	1.61744	0.1425075	0.18860274	3.0114157	21	1 30.1	20.7
202935 1998 YJ_{17}	16.3	X	129.03759	329.04017	135.50575	1.98396	0.1132490	0.18960186	3.0008272	21	5 16.0	20.7
202936 1998 YL_{21}	17.0	X	185.43148	223.33143	286.06850	3.57831	0.0720363	0.28878494	2.2668338	21	9 13.2	19.9
202937 1999 AL_{18}	17.1	X	261.05907	172.08508	305.83318	3.21993	0.0666578	0.29398779	2.2400095	21	11 11.8	19.7
202938 1999 AY_{18}	15.3	X	291.60377	164.71809	136.36946	3.28039	0.0486465	0.18911391	3.0059868	21	4 25.1	19.5
202939 1999 AC_{26}	16.8	X	99.72258	66.97349	132.87561	3.08077	0.1836915	0.27882729	2.3204873	21	8 24.6	19.9
202940 1999 CD_5	16.8	X	199.34587	68.23784	81.89568	4.71531	0.2038300	0.28806177	2.2706261	21	9 25.0	20.3
202941 1999 CD_{14}	16.8	X	290.74340	98.01656	16.40688	1.50683	0.1519672	0.29706726	2.2245023	21	12 20.1	18.5
202942 1999 CK_{89}	16.9	X	288.24725	117.63312	328.17086	6.40309	0.1436190	0.29427962	2.2385283	21	10 27.1	19.0
202943 1999 EO	16.2	X	80.52660	30.10241	152.97622	4.54461	0.1286537	0.18902310	3.0069494	21	6 28.9	20.3
202944 1999 FM_2	15.6	X	120.85940	296.03155	167.14042	2.65561	0.0615521	0.18394586	3.0620294	21	4 29.3	19.9
202945 1999 FY_{78}	15.7	X	73.43421	100.30891	81.35396	3.82046	0.1528399	0.18489646	3.0515253	21	6 21.4	19.8
202946 1999 FL_{96}	16.3	X	194.89147	213.32694	98.65382	13.20192	0.1757043	0.25537898	2.4604391	21	1 10.9	20.2
202947 1999 GC_{11}	17.8	X	199.09733	343.16803	154.75564	0.52923	0.1773628	0.28554938	2.2839254	21	9 7.8	21.2
202948 1999 JU_{41}	16.9	X	67.40603	137.91503	95.32213	3.30425	0.1619368	0.27554427	2.3388828	21	8 28.8	19.7
202949 1999 JQ_{87}	16.3	X	331.34705	145.21002	96.49949	6.59638	0.2319741	0.26529602	2.3987348	21	2 22.0	19.1
202950 1999 JB_{116}	16.3	X	234.17918	118.35310	172.65743	6.17048	0.1238322	0.25692720	2.4505449	21	1 19.2	20.1
202951 1999 RE	15.4	X	50.13931	301.08384	23.38829	12.07751	0.3124079	0.22969259	2.6406128	21	12 18.0	19.5
202952 1999 RW_{20}	15.8	X	86.39926	358.15714	8.91371	8.08828	0.1941876	0.23771040	2.5808965	21	—	—
202953 1999 RS_{45}	16.2	X	16.29117	35.14966	347.56821	5.40727	0.2249338	0.23017006	2.6369597	21	—	—
202954 1999 RU_{68}	16.5	X	82.17566	252.12515	116.04543	3.70754	0.2467315	0.23785652	2.5798395	21	—	—
202955 1999 RQ_{89}	16.5	X	112.55831	330.85378	14.06940	3.87933	0.2721678	0.23915324	2.5705055	21	—	—
202956 1999 RR_{91}	16.2	X	56.61908	229.89866	150.48530	3.62642	0.2323336	0.23464639	2.6033154	21	—	—
202957 1999 RF_{103}	15.6	X	104.18667	52.19361	295.69109	11.57835	0.2708845	0.23897206	2.5718046	21	—	—
202958 1999 RQ_{109}	15.2	X	75.65040	30.52031	318.24495	12.16730	0.2471889	0.23435975	2.6054377	21	—	—
202959 1999 RA_{151}	15.9	X	65.13917	210.07486	132.57873	6.02700	0.2561421	0.23431280	2.6057857	21	—	—
202960 1999 RM_{156}	16.2	X	27.01773	179.43825	184.63549	7.57095	0.2118670	0.23074601	2.6325700	21	12 27.3	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
202961 1999 RU_{157}	16.6	X	74.85213	241.50414	126.77603	5.71220	0.2887870	0.23668551	2.5883417	21	—	—
202962 1999 RU_{225}	16.2	X	62.86946	48.33152	283.22859	2.54743	0.2489415	0.23388199	2.6089847	21	—	—
202963 1999 RU_{242}	16.0	X	104.54081	303.37388	56.73099	6.69263	0.1923429	0.23968401	2.5667093	21	—	—
202964 1999 TH_{15}	15.4	X	224.82496	198.69941	16.49458	12.36193	0.0974382	0.23482183	2.6020186	21	—	—
202965 1999 TK_{28}	14.8	X	284.90323	84.83213	288.19845	2.23881	0.2697394	0.12709370	3.9179002	21	6 15.7	20.2
202966 1999 TE_{32}	15.9	X	5.27677	202.04429	202.75368	14.38535	0.1088556	0.22987008	2.6392534	21	12 31.7	19.4
202967 1999 TH_{69}	16.4	X	85.34993	14.83264	339.68730	1.97693	0.1801223	0.23481855	2.6020429	21	—	—
202968 1999 TR_{70}	16.6	X	41.71204	30.21562	20.27083	2.41113	0.0771311	0.23472830	2.6027098	21	—	—
202969 1999 TP_{77}	16.5	X	258.13293	220.26609	26.69251	3.09671	0.1041158	0.24116698	2.5561764	21	—	—
202970 1999 TF_{81}	16.3	X	322.06564	152.33003	40.99447	5.16862	0.0786462	0.24417809	2.5351184	21	1 2.3	19.6
202971 1999 TW_{95}	16.2	X	348.94765	211.71276	137.78123	4.35236	0.2273559	0.22326469	2.6910557	21	9 26.1	18.3
202972 1999 TP_{97}	15.9	X	62.23101	267.49629	84.05679	4.66698	0.2003592	0.23249855	2.6193240	21	—	—
202973 1999 TW_{101}	15.7	X	314.94931	304.49456	86.87538	9.98953	0.2053210	0.22139247	2.7062058	21	9 14.6	18.6
202974 1999 TZ_{113}	16.0	X	5.30448	187.18393	197.60527	14.52013	0.1556030	0.22863389	2.6487582	21	12 12.9	19.3
202975 1999 TT_{121}	14.9	X	268.22371	351.77284	48.56473	2.74804	0.2904187	0.12549874	3.9510252	21	6 28.5	20.8
202976 1999 TV_{129}	16.1	X	322.43079	114.30054	279.30436	1.31180	0.1863683	0.22413917	2.6840517	21	9 29.6	18.7
202977 1999 TU_{159}	16.5	X	43.64994	187.34208	222.66682	3.79396	0.1734422	0.23664995	2.5886009	21	—	—
202978 1999 TF_{165}	16.0	X	269.00392	205.79463	357.07757	14.44015	0.0033479	0.23911131	2.5708060	21	—	—
202979 1999 TR_{202}	16.7	X	28.98352	121.18426	307.24264	2.71180	0.0959074	0.23568563	2.5956571	21	—	—
202980 1999 TP_{222}	16.3	X	79.44039	222.93796	113.21855	4.76436	0.3183123	0.23391063	2.6087717	21	—	—
202981 1999 TR_{238}	15.7	X	346.44151	210.00711	171.48038	9.71104	0.1278018	0.22486221	2.6782949	21	11 3.9	18.7
202982 1999 TD_{239}	14.6	X	277.72483	299.26865	73.71681	3.96899	0.2613053	0.12486436	3.9643961	21	6 9.0	20.3
202983 1999 TL_{272}	15.8	X	51.57403	106.02785	226.08427	10.69812	0.1993145	0.22898786	2.6460278	21	12 15.4	19.6
202984 1999 UR_{29}	16.1	X	113.85747	200.84459	24.20481	12.18681	0.1245372	0.22304939	2.6927871	21	10 3.3	20.1
202985 1999 VC_{18}	17.1	X	22.01648	62.71335	6.77056	3.64421	0.1018398	0.23391555	2.6087352	21	—	—
202986 1999 VW_{33}	16.4	X	31.27216	334.62774	71.58592	3.99676	0.2236425	0.23062563	2.6334859	21	—	—
202987 1999 VU_{40}	16.7	X	27.40251	149.55676	244.62398	1.82494	0.1616807	0.23089536	2.6314346	21	—	—
202988 1999 VW_{41}	16.4	X	21.66220	115.97705	246.01390	4.83973	0.1902949	0.22752324	2.6573711	21	12 13.2	19.4
202989 1999 VP_{78}	16.2	X	10.58291	79.71418	354.73176	4.16719	0.2088344	0.23209819	2.6223353	21	—	—
202990 1999 VN_{101}	15.7	X	203.90216	18.29899	62.66415	5.31899	0.0478887	0.21127788	2.7919011	21	7 5.1	19.6
202991 1999 VR_{110}	16.4	X	253.19665	223.38258	231.67760	4.49084	0.0870053	0.21775961	2.7362209	21	9 15.5	20.1
202992 1999 VG_{135}	15.1	X	243.28673	103.78686	293.86981	2.64679	0.3107952	0.12382930	3.9864572	21	6 2.6	21.7
202993 1999 VP_{135}	16.7	X	273.04312	214.14497	229.56217	6.15803	0.2814826	0.21902083	2.7257066	21	8 27.1	20.5
202994 1999 VT_{138}	16.1	X	166.22911	87.86301	68.94637	10.18005	0.0964756	0.21412379	2.7671080	21	9 2.7	20.5
202995 1999 VC_{142}	16.5	X	268.94520	233.10396	25.60988	1.02103	0.0831126	0.24334619	2.5408928	21	1 21.2	20.1
202996 1999 VN_{166}	16.1	X	296.43880	110.11076	246.95312	9.26082	0.2013695	0.21488749	2.7605479	21	6 18.1	19.6
202997 1999 VT_{175}	16.8	X	299.06900	123.31047	45.41682	3.68300	0.2349589	0.23217054	2.6217904	21	—	—
202998 1999 VJ_{183}	15.9	X	16.92558	61.45623	41.43447	12.55433	0.2740589	0.23524862	2.5988706	21	—	—
202999 1999 VE_{186}	15.9	X	332.35467	28.82633	54.97900	16.07589	0.1942376	0.22773294	2.6557395	21	—	—
203000 1999 VC_{195}	15.8	X	15.32550	16.28250	64.56288	8.71483	0.1675254	0.23370268	2.6103190	21	—	—
203001 1999 VL_{197}	16.0	X	73.18225	350.61272	54.69305	14.82747	0.1635838	0.23785059	2.5798823	21	—	—
203002 1999 VZ_{203}	15.8	X	0.75486	87.65698	277.02062	9.44157	0.2812525	0.22543179	2.6737816	21	11 22.3	18.2
203003 1999 VD_{208}	16.4	X	100.04023	237.45574	79.94840	3.56941	0.0748326	0.22948951	2.6421704	21	—	—
203004 1999 VD_{210}	16.3	X	261.11039	342.18040	50.58527	6.94876	0.0361880	0.21369384	2.7708183	21	7 15.4	20.1
203005 1999 VA_{211}	15.9	X	359.36289	338.16421	78.53067	15.04932	0.2380262	0.22838552	2.6506782	21	—	—
203006 1999 WS_{12}	16.5	X	59.87992	340.58801	49.43357	4.47367	0.1997449	0.23513552	2.5997039	21	—	—
203007 1999 XB_{30}	15.5	X	287.55124	228.67539	234.81170	11.75406	0.1729057	0.22208054	2.7006132	21	11 3.5	18.5
203008 1999 XV_{50}	16.2	X	333.28581	304.07933	84.82552	4.82364	0.2344136	0.22188290	2.7022166	21	10 18.7	18.3
203009 1999 XV_{96}	15.5	X	314.36058	145.62132	261.43364	8.13194	0.2129860	0.22006079	2.7171124	21	9 24.6	18.3
203010 1999 XJ_{181}	15.9	X	353.61419	79.88141	311.38290	7.01545	0.3505656	0.22527765	2.6750012	21	12 29.9	18.0
203011 1999 XH_{183}	15.4	X	358.75068	111.73994	301.00223	12.71582	0.0806309	0.22618861	2.6678141	21	12 30.9	18.8
203012 1999 XE_{203}	15.0	X	52.26210	86.08933	297.25317	24.77032	0.2346663	0.22916233	2.6446847	21	—	—
203013 1999 XJ_{204}	15.8	X	203.80057	168.57280	315.38640	10.97503	0.1644087	0.21024929	2.8009994	21	8 20.7	20.4
203014 1999 XC_{233}	15.4	X	4.73932	266.04377	77.43219	11.65369	0.2557673	0.22275575	2.6951531	21	10 31.8	18.0
203015 1999 YF_{3}	18.6	X	320.67847	147.15454	298.89902	26.76159	0.1431275	0.54360441	1.4868965	21	—	—
203016 1999 YP_{4}	15.5	X	75.50052	74.91743	312.97063	33.69606	0.1989371	0.23431583	2.6057633	21	—	—
203017 2000 AM_{45}	15.6	X	241.37806	239.73944	271.92019	14.57298	0.2175338	0.21930000	2.7233929	21	10 23.1	19.8
203018 2000 AJ_{93}	15.5	X	313.03540	145.84808	300.01324	21.66673	0.1320584	0.22079208	2.7111095	21	11 27.6	19.0
203019 2000 AN_{126}	16.0	X	268.77156	346.40555	138.51934	10.73660	0.1930992	0.21811253	2.7332686	21	11 4.5	19.6
203020 2000 AW_{127}	15.7	X	260.41411	251.75300	303.22018	14.42283	0.3621867	0.22062357	2.7124897	21	12 24.1	19.2
203021 2000 AJ_{152}	15.0	X	321.76558	327.98606	118.82293	29.88875	0.1451910	0.22403178	2.6849094	21	12 22.2	18.2
203022 2000 AD_{183}	15.4	X	275.18852	245.63999	241.54670	12.90486	0.1590184	0.22115469	2.7081452	21	11 18.2	18.7
203023 2000 AM_{208}	15.7	X	269.10689	357.50470	88.98921	13.71500	0.0933611	0.21717451	2.7411332	21	10 4.4	19.6
203024 2000 AL_{212}	16.4	X	281.70349	114.40171	322.94204	6.71856	0.2063294	0.21325316	2.7746342	21	9 11.8	20.0
203025 2000 AO_{225}	16.4	X	120.77964	268.76865	329.91535	0.99572	0.0457570	0.21553544	2.7550126	21	10 18.3	20.3
203026 2000 AN_{226}	16.2	X	217.62763	163.32421	304.34324	3.34674	0.0164349	0.21086699	2.7955267	21	8 27.9	20.0
203027 2000 AC_{241}	15.2	X	227.81047	309.08626	154.34171	13.74993	0.2006898	0.21377760	2.7700945	21	8 15.9	19.5
203028 2000 AQ_{252}	16.2	X	280.71391	74.92937	119.37952	4.23691	0.0281432	0.22880659	2.6474252	21	—	—
203029 2000 BR	16.1	X	206.09705	239.23158	290.51301	6.53012	0.1576192	0.21507266	2.7589633	21	10 17.3	20.5
203030 2000 BM_{1}	16.3	X	245.23452	39.07676	118.85433	3.78722	0.0735677	0.21961001	2.7208293	21	11 30.1	20.0
203031 2000 BQ_{10}	16.0	X	356.78515	285.30844	119.76918	6.23756	0.0561802	0.22007709	2.7169782	21	12 13.6	19.4
203032 2000 BR_{11}	16.2	X	256.18099	190.89117	293.55303	7.20055	0.2000622	0.21776664	2.7361621	21	10 9.0	20.2
203033 2000 BD_{33}	15.8	X	170.50273	257.55085	317.53230	6.66048	0.1599269	0.21463006	2.7627549	21	11 8.6	20.4
203034 2000 BY_{48}	15.8	X	290.65173	208.45742	116.62676	3.81947	0.1462692	0.20147273	2.8817648	21	5 9.3	19.7
203035 2000 CJ_{65}	16.2	X	19.42225	128.59839	344.22683	2.86664	0.0811385	0.22958932	2.6414046	21	—	—
203036 2000 CX_{65}	15.9	X	280.59595	64.29341	155.79125	5.75602	0.1543048	0.22872501	2.6480547	21	—	—
203037 2000 CE_{79}	16.0	X	76.30646	348.06878	317.00404	4.14093	0.0503947	0.21440680	2.7646725	21	11 17.3	19.9
203038 2000 CE_{113}	15.8	X	260.79926	297.12525	127.36468	8.68041	0.2202585	0.21154980	2.7895081	21	7 29.7	19.9
203039 2000 DG_{10}	16.1	X	326.73203	127.86103	142.23454	2.67119	0.0569382	0.19502863	2.9448994	21	4 30.4	19.9
203040 2000 DH_{11}	15.9	X	276.49540	120.42495	333.78726	4.50056	0.0839787	0.21411236	2.7672064	21	10 15.8	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
203041 2000 DE_{36}	17.5	X	178.95515	47.82189	159.64907	3.91409	0.0909383	0.30565078	2.1826581	21	11 27.3	20.4
203042 2000 DZ_{46}	15.9	X	179.34709	219.73739	311.01635	2.64733	0.0340869	0.20898736	2.8122636	21	9 29.3	19.9
203043 2000 DR_{48}	16.2	X	135.93997	243.55387	326.11921	3.50855	0.0494491	0.20853496	2.8163295	21	9 27.9	20.3
203044 2000 DG_{113}	16.1	X	173.47793	194.65034	335.69449	3.64793	0.0437022	0.20919699	2.8103846	21	9 21.9	20.2
203045 2000 DW_{113}	16.7	X	250.59739	47.88757	142.24226	4.43423	0.0952443	0.22135390	2.7065202	21	—	—
203046 2000 EC_{45}	15.3	X	265.87780	165.63670	356.11673	13.82321	0.1394667	0.21716275	2.7412322	21	12 21.9	19.1
203047 2000 EC_{52}	16.5	X	5.89359	161.92218	175.73556	1.94930	0.0516820	0.20720039	2.8284099	21	9 26.7	20.0
203048 2000 EP_{109}	15.6	X	270.94888	306.55030	118.77092	12.95226	0.2361197	0.21060097	2.7978803	21	8 10.6	19.5
203049 2000 EO_{113}	15.6	X	217.92241	7.77657	348.94069	8.50797	0.0964490	0.19003368	2.9962796	21	4 1.4	20.3
203050 2000 EN_{125}	15.9	X	287.88389	18.90179	152.99173	11.03431	0.1188998	0.22204051	2.7009377	21	—	—
203051 2000 ER_{193}	17.5	X	117.39561	357.04684	268.03035	1.61141	0.1374755	0.30262703	2.1971729	21	12 4.7	20.6
203052 2000 FB_{20}	15.7	X	321.25876	160.18073	47.88586	13.82535	0.1159946	0.22945228	2.6424562	21	1 20.6	19.4
203053 2000 FH_{51}	16.1	X	186.00120	95.37983	189.94788	1.04781	0.1834365	0.17154292	3.2079002	21	—	—
203054 2000 GA_{16}	16.7	X	88.33464	250.53577	14.21578	3.95051	0.1913022	0.29670086	2.2263333	21	11 7.6	20.0
203055 2000 GH_{24}	17.8	X	315.78787	272.68863	210.62795	1.05555	0.0996151	0.31115271	2.1568519	21	—	—
203056 2000 GA_{26}	17.1	X	93.75342	70.64072	191.14594	7.56912	0.1365591	0.29729662	2.2233580	21	11 6.7	20.2
203057 2000 GP_{121}	16.2	X	317.55368	308.95044	40.02480	2.18924	0.0291580	0.19986870	2.8971625	21	8 3.4	20.1
203058 2000 GO_{180}	16.0	X	87.83066	48.28268	201.04466	0.88299	0.0638177	0.20270263	2.8700962	21	9 23.4	19.8
203059 2000 HO_{32}	17.2	X	71.11373	235.36731	55.28339	6.28411	0.1627620	0.29511877	2.2342829	21	11 20.9	20.3
203060 2000 HK_{67}	15.8	X	325.41975	193.68375	46.59597	2.79870	0.0880365	0.18376165	3.0640755	21	3 18.7	19.7
203061 2000 JP_{68}	16.1	X	214.29996	44.22470	248.35008	0.32776	0.1501187	0.17576794	3.1562855	21	1 16.1	21.0
203062 2000 KF_{3}	16.3	X	335.54755	141.78421	82.52776	2.49692	0.1335958	0.18214803	3.0821450	21	3 7.4	20.1
203063 2000 KM_{54}	15.7	X	182.12854	73.68974	172.60342	13.35081	0.1538729	0.21077087	2.7963766	21	12 27.4	20.4
203064 2000 NH_{20}	15.9	X	225.20225	78.60243	292.05765	9.17932	0.2474568	0.27031416	2.3689552	21	4 10.8	20.2
203065 2000 OR_{21}	15.9	X	245.64048	79.14376	299.38043	21.13307	0.2599868	0.27324169	2.3520041	21	5 4.6	20.3
203066 2000 PD_{19}	16.5	X	205.17170	253.76584	120.12073	8.73443	0.1923236	0.26750755	2.3854960	21	4 8.3	20.5
203067 2000 PE_{22}	16.3	X	319.61436	231.91884	74.60953	7.51393	0.2239017	0.27597107	2.3364707	21	5 7.4	18.6
203068 2000 PN_{32}	15.2	X	16.26717	345.10834	337.06440	15.02045	0.1878953	0.19160172	2.9799097	21	9 27.8	18.7
203069 2000 QS_{12}	16.9	X	201.25756	204.53894	155.61414	1.72825	0.1991552	0.26566307	2.3965248	21	3 15.3	20.9
203070 2000 QQ_{21}	17.4	X	182.30544	19.86902	3.89491	2.12593	0.2303645	0.26435582	2.4044189	21	3 29.2	21.3
203071 2000 QG_{27}	16.8	X	242.88121	228.63353	144.51933	3.02531	0.2218127	0.27095671	2.3652086	21	5 5.9	20.7
203072 2000 QC_{39}	16.7	X	242.89780	39.77116	304.28056	3.46121	0.2246845	0.26934177	2.3746535	21	3 27.2	20.5
203073 2000 QM_{39}	17.2	X	289.10993	37.90676	315.52644	2.69544	0.1787477	0.27642707	2.3339005	21	6 3.8	20.1
203074 2000 QT_{43}	16.9	X	228.22514	188.93717	178.42129	1.30151	0.1990926	0.26939919	2.3743160	21	4 15.9	20.8
203075 2000 QP_{46}	17.0	X	249.49219	41.87632	321.38385	0.87534	0.2001471	0.27168638	2.3609718	21	4 29.5	20.5
203076 2000 QU_{49}	17.1	X	214.62819	17.71967	6.18401	1.29688	0.1868947	0.26897450	2.3768146	21	4 24.8	21.0
203077 2000 QH_{57}	17.0	X	220.08560	233.55933	143.48782	3.41589	0.1943747	0.26906847	2.3762612	21	4 22.4	20.8
203078 2000 QR_{59}	17.0	X	244.54841	252.51100	94.15652	3.29176	0.2112855	0.26946402	2.3739352	21	4 5.1	20.9
203079 2000 QE_{82}	16.9	X	176.83940	162.13130	181.22141	1.87878	0.2332203	0.25929830	2.4355830	21	2 4.2	21.0
203080 2000 QF_{85}	15.8	X	236.35109	82.16939	301.53480	6.11565	0.1258966	0.27256631	2.3558878	21	5 17.9	19.2
203081 2000 QG_{86}	16.2	X	74.51213	329.56928	307.70202	8.90043	0.1630609	0.28768742	2.2725955	21	11 2.3	19.5
203082 2000 QN_{86}	16.2	X	169.39153	123.68025	272.02287	5.25637	0.1221950	0.26487065	2.4013023	21	3 23.9	19.9
203083 2000 QT_{95}	16.9	X	227.07562	30.77725	341.14907	4.41405	0.1391185	0.26920720	2.3754447	21	4 21.5	20.5
203084 2000 QN_{97}	16.6	X	148.00471	37.35175	350.36988	13.49956	0.2495572	0.25895180	2.4377552	21	3 7.7	20.2
203085 2000 QT_{100}	16.7	X	299.19905	269.96970	68.61204	3.56746	0.1768533	0.27459789	2.3442536	21	5 28.8	19.2
203086 2000 QX_{103}	16.8	X	216.33784	299.69046	74.94042	3.14479	0.1976875	0.26709674	2.3879414	21	4 15.9	20.8
203087 2000 QD_{123}	16.3	X	236.09106	43.75219	308.25162	5.51641	0.1554257	0.26665649	2.3905690	21	4 2.9	20.1
203088 2000 QD_{166}	16.3	X	206.37149	139.43129	238.69841	5.71951	0.1320237	0.26724548	2.3870552	21	4 9.2	19.9
203089 2000 QC_{203}	16.3	X	293.37263	154.85205	130.79160	6.89263	0.1470867	0.26925465	2.3751657	21	3 15.2	19.5
203090 2000 QU_{214}	16.3	X	234.92317	351.87077	7.93162	7.31520	0.1279596	0.26864134	2.3787793	21	4 14.9	19.9
203091 2000 QV_{215}	16.5	X	147.57612	319.50104	84.73500	3.39322	0.2077364	0.26073572	2.4266233	21	3 25.2	20.2
203092 2000 QY_{221}	16.2	X	266.50655	244.66385	73.83155	6.85241	0.1258812	0.26998620	2.3708732	21	3 31.2	19.6
203093 2000 RS_{6}	16.4	X	209.57315	203.83245	157.36670	1.80823	0.2244024	0.26325465	2.4111192	21	3 23.8	20.5
203094 2000 RU_{16}	16.3	X	262.35770	62.39627	261.90791	5.83206	0.1257391	0.26880071	2.3778390	21	3 27.5	19.7
203095 2000 RO_{37}	15.7	X	234.48289	47.85929	315.14704	7.89641	0.1806834	0.26456421	2.4031561	21	4 13.1	19.7
203096 2000 RQ_{43}	16.1	X	288.02761	39.61684	309.90127	6.07272	0.1518162	0.27285145	2.3542462	21	5 31.7	19.1
203097 2000 RL_{67}	16.1	X	194.52358	208.30192	162.06370	6.05285	0.2146793	0.26152530	2.4217366	21	3 23.6	20.1
203098 2000 RY_{84}	17.1	X	292.22264	210.30195	116.62030	3.70453	0.1854721	0.27328395	2.3517616	21	5 2.3	20.1
203099 2000 RF_{93}	16.4	X	174.09268	68.56243	320.62465	6.60572	0.2729792	0.26085846	2.4258620	21	3 28.6	20.7
203100 2000 RP_{93}	17.3	X	180.58714	284.92202	58.02485	3.06244	0.2266116	0.25954663	2.4340292	21	2 8.0	21.2
203101 2000 RN_{95}	16.6	X	218.71264	291.84867	53.25474	3.19485	0.2234037	0.26424761	2.4050753	21	3 12.5	20.6
203102 2000 RD_{102}	16.0	X	200.02225	74.34665	303.03371	9.56142	0.2556875	0.26413184	2.4057779	21	3 30.7	20.4
203103 2000 SS_{15}	16.0	X	239.90882	83.04596	252.78636	8.38873	0.0926887	0.26599886	2.3945075	21	3 19.6	19.6
203104 2000 SJ_{24}	16.5	X	25.77811	147.84296	298.06523	23.14280	0.0737364	0.39265308	1.8469850	21	—	—
203105 2000 SK_{31}	16.9	X	169.73811	114.67495	277.04220	0.59059	0.1882834	0.26265378	2.4147951	21	3 26.3	20.8
203106 2000 SP_{35}	16.6	X	230.08019	313.13508	26.54444	2.71979	0.0623283	0.26514688	2.3996341	21	3 20.2	19.8
203107 2000 ST_{38}	16.4	X	179.34636	338.11013	66.49147	5.91105	0.1698234	0.26461794	2.4028308	21	4 21.5	20.2
203108 2000 SD_{115}	16.7	X	208.14668	345.16958	26.19417	3.56813	0.1939786	0.26438046	2.4042695	21	4 4.2	20.7
203109 2000 SX_{115}	16.8	X	222.99316	195.03998	152.99400	2.78421	0.2460146	0.26451361	2.4034626	21	3 18.0	20.8
203110 2000 SE_{141}	17.1	X	199.15743	91.69935	223.12208	6.18231	0.2722136	0.25891104	2.4380111	21	1 19.2	21.5
203111 2000 SR_{143}	16.1	X	22.08344	99.20776	242.75251	11.78675	0.1958522	0.23721933	2.5844571	21	11 19.9	19.0
203112 2000 SN_{166}	16.6	X	211.05822	128.10824	250.99241	5.40865	0.1302466	0.26585667	2.3953612	21	4 15.2	20.4
203113 2000 SF_{181}	16.1	X	278.15185	276.01773	68.76126	7.54375	0.2405980	0.27344002	2.3508667	21	5 2.2	19.5
203114 2000 SK_{195}	16.8	X	291.74922	298.47586	350.28252	3.14076	0.1669063	0.26884342	2.3775872	21	3 12.3	20.0
203115 2000 SH_{196}	16.8	X	179.42420	71.65761	357.20498	2.21424	0.1278245	0.26867163	2.3786005	21	5 19.2	20.3
203116 2000 SP_{207}	17.0	X	188.40878	116.60813	212.40224	1.30517	0.2048596	0.25805088	2.4434258	21	1 26.3	20.8
203117 2000 SN_{218}	16.5	X	280.43589	200.25778	136.63672	7.28554	0.3194933	0.27148870	2.3621177	21	4 16.6	20.2
203118 2000 SP_{221}	15.9	X	149.64335	246.16869	108.69857	9.67521	0.1618805	0.25376450	2.4708638	21	1 18.9	19.3
203119 2000 SJ_{226}	16.1	X	156.14743	243.60402	149.76778	6.86438	0.2402356	0.25811674	2.4430101	21	3 22.2	20.0
203120 2000 SK_{226}	16.4	X	122.12281	319.88840	88.98537	7.63962	0.2214129	0.25491141	2.4634469	21	3 8.9	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
203121 2000 SV_{228}	16.8	X	155.42571	82.25457	343.99347	1.62410	0.2002072	0.26220819	2.4175300	21	4 26.3	20.5
203122 2000 SY_{229}	16.3	X	249.63146	309.79051	35.76601	6.29183	0.1440885	0.26659698	2.3909247	21	4 12.9	19.8
203123 2000 SH_{231}	16.7	X	257.61790	69.23945	269.10060	2.35333	0.2377704	0.26743141	2.3859487	21	4 1.6	20.6
203124 2000 SV_{233}	16.5	X	249.56687	244.91153	73.15607	7.14956	0.1630435	0.26589856	2.3951096	21	3 10.4	20.3
203125 2000 SN_{237}	16.5	X	220.21123	306.67791	87.59563	6.18486	0.1504035	0.26884297	2.3775898	21	5 16.4	20.1
203126 2000 SV_{243}	16.5	X	99.31996	313.07704	84.37199	3.25105	0.2044193	0.25382081	2.4704983	21	1 16.3	19.0
203127 2000 SZ_{246}	16.7	X	306.38923	253.57200	88.99468	4.45140	0.1335844	0.27565796	2.3382396	21	6 23.3	19.2
203128 2000 SE_{249}	14.7	X	204.29533	348.84543	61.44276	3.22288	0.2796292	0.12543409	3.9523828	21	5 22.6	21.4
203129 2000 SA_{252}	16.1	X	155.36724	73.89500	27.63343	13.28014	0.1082847	0.26787475	2.3833154	21	6 2.9	19.8
203130 2000 SO_{258}	16.9	X	153.01541	284.37291	100.21903	5.04585	0.2024650	0.25802467	2.4435913	21	3 5.9	20.7
203131 2000 SJ_{277}	15.5	X	155.90325	347.40606	40.04380	8.48525	0.3126258	0.25752092	2.4467769	21	3 21.6	19.7
203132 2000 SG_{352}	16.4	X	61.32165	318.99829	48.58749	8.60326	0.2813286	0.24643868	2.5195915	21	—	—
203133 2000 SO_{369}	16.4	X	294.35758	346.58674	338.81588	5.27966	0.1275758	0.27120276	2.3637778	21	5 8.7	19.3
203134 2000 TK_{2}	16.4	X	348.01439	42.52046	43.42336	4.61348	0.1863225	0.24299958	2.5433085	21	—	—
203135 2000 TM_{6}	17.0	X	92.24617	117.90939	336.01102	0.80079	0.1626147	0.25851039	2.4405294	21	3 16.1	19.8
203136 2000 TT_{13}	17.1	X	152.13339	63.69854	5.11534	2.05107	0.1914355	0.26233326	2.4167616	21	4 25.9	21.0
203137 2000 TY_{28}	17.6	X	137.92092	36.41076	344.47793	0.59238	0.1892578	0.25633648	2.4543083	21	2 10.7	21.0
203138 2000 TH_{58}	16.7	X	240.15348	241.36189	131.56802	3.26641	0.1298305	0.26837024	2.3803810	21	5 10.4	20.1
203139 2000 UP_{20}	16.9	X	182.02889	247.67531	138.21011	2.10966	0.1921336	0.26158309	2.4213799	21	3 31.4	20.7
203140 2000 UT_{21}	16.7	X	229.21635	275.01226	104.80941	3.68721	0.1943063	0.26719062	2.3873820	21	5 4.2	20.6
203141 2000 UV_{41}	16.2	X	160.41679	356.84249	46.51375	5.67979	0.1041750	0.25949326	2.4343629	21	3 28.4	19.6
203142 2000 UV_{57}	16.3	X	39.17249	103.72882	308.30659	2.26723	0.2043182	0.24532981	2.5271780	21	—	—
203143 2000 UW_{57}	16.3	X	160.99597	88.15590	305.51698	2.09277	0.1825607	0.25991793	2.4317106	21	3 19.8	20.0
203144 2000 UO_{61}	16.1	X	12.27256	125.73415	233.32292	12.10428	0.1984457	0.23661018	2.5888910	21	11 27.9	18.8
203145 2000 UZ_{84}	17.2	X	140.43213	9.25776	55.59536	4.30922	0.1684946	0.25967132	2.4332500	21	4 9.2	20.7
203146 2000 VE_{4}	16.8	X	175.95350	353.13221	9.49776	0.89728	0.1978190	0.25859292	2.4400101	21	2 25.4	20.5
203147 2000 VP_{4}	17.2	X	279.02800	337.33380	347.05570	1.79185	0.1970711	0.26895852	2.3769087	21	4 9.4	20.5
203148 2000 VY_{38}	17.2	X	285.44517	50.93229	52.94475	23.31521	0.0667055	0.37909336	1.8907695	21	12 21.8	19.0
203149 2000 VP_{48}	16.6	X	189.24743	334.20021	15.85659	2.50597	0.2192620	0.25737252	2.4477173	21	2 23.1	20.7
203150 2000 WA_{10}	15.9	X	103.75201	200.10076	103.81248	13.08001	0.1724072	0.23347745	2.6119975	21	12 30.7	20.2
203151 2000 WV_{10}	15.9	X	329.13655	44.21633	98.89656	14.65353	0.1014136	0.24036567	2.5618543	21	—	—
203152 2000 WH_{15}	15.7	X	127.73501	235.83025	86.55463	14.12396	0.1292780	0.24544928	2.5263579	21	—	—
203153 2000 WL_{18}	16.6	X	124.83967	224.53525	202.15191	4.25743	0.1772580	0.25617277	2.4553537	21	3 24.6	20.0
203154 2000 WT_{31}	15.9	X	135.69541	285.89300	98.02978	8.69255	0.1517518	0.25307967	2.4753192	21	2 9.7	19.3
203155 2000 WU_{101}	16.5	X	16.15192	189.21920	192.48021	3.75194	0.1796413	0.23820464	2.5773253	21	12 31.7	19.6
203156 2000 WK_{138}	14.9	X	229.20062	206.92862	196.43547	2.32520	0.2609985	0.12496319	3.9623056	21	6 2.4	21.4
203157 2000 WC_{140}	14.8	X	218.42602	42.32484	38.33613	2.74721	0.2438830	0.12553374	3.9502908	21	7 7.9	21.2
203158 2000 WF_{142}	15.8	X	211.96763	323.16745	111.37352	10.10485	0.2412858	0.26991197	2.3713079	21	6 24.9	19.9
203159 2000 WQ_{144}	14.6	X	226.94154	253.31128	153.09348	3.45827	0.2483066	0.12394948	3.9838800	21	6 5.1	21.0
203160 2000 WB_{159}	16.5	X	84.04767	0.23425	60.78991	1.38015	0.0445856	0.24693451	2.5162175	21	1 4.0	19.6
203161 2000 WO_{167}	15.8	X	173.80936	145.61113	192.51130	6.02933	0.1267823	0.25333857	2.4736325	21	1 18.4	19.5
203162 2000 WA_{180}	16.9	X	7.41960	248.20842	198.75314	4.01557	0.2097806	0.24264645	2.5457754	21	—	—
203163 2000 XU_{5}	16.2	X	89.57479	137.09224	321.68456	7.20766	0.1997672	0.25405281	2.4689941	21	3 22.6	19.1
203164 2000 XY_{15}	15.5	X	35.56008	112.69868	311.35353	12.32717	0.1580025	0.24512719	2.5285704	21	—	—
203165 2000 XP_{22}	16.5	X	141.00403	92.62707	327.69356	5.37231	0.1918950	0.25725328	2.4484737	21	4 2.8	20.3
203166 2000 XB_{39}	16.6	X	122.87692	27.68439	293.39733	25.42355	0.0252911	0.38324731	1.8770823	21	—	—
203167 2000 XT_{44}	15.4	X	259.82888	106.31493	52.94366	29.79187	0.3187967	0.23091151	2.6313119	21	11 15.4	18.7
203168 2000 XL_{45}	16.7	X	13.39841	50.76843	321.35259	18.34859	0.0867229	0.37700102	1.8977589	21	—	—
203169 2000 YF_{26}	16.0	X	17.27881	147.46809	292.46551	14.99957	0.1242064	0.24033355	2.5620825	21	—	—
203170 2000 YH_{42}	16.3	X	48.08978	42.59300	107.54523	3.52139	0.1444031	0.25172160	2.4842143	21	3 20.8	18.6
203171 2000 YU_{48}	16.1	X	61.86923	348.35436	86.61674	2.70594	0.1354221	0.24571569	2.5245315	21	—	—
203172 2000 YY_{94}	16.7	X	136.48600	143.68402	256.23166	2.30774	0.2079109	0.25213375	2.4815064	21	3 6.6	20.5
203173 2000 YL_{98}	16.4	X	45.12260	332.83777	117.80251	9.29932	0.2379949	0.24423726	2.5347090	21	—	—
203174 2000 YK_{107}	15.6	X	178.25068	183.40925	293.88818	7.91715	0.1195788	0.21768404	2.7368542	21	7 21.4	19.9
203175 2000 YH_{110}	15.8	X	314.03586	60.41417	88.56699	9.72936	0.1038377	0.23855318	2.5748143	21	—	—
203176 2000 YB_{134}	15.5	X	177.01353	233.85587	105.43532	15.69762	0.2161178	0.25258344	2.4785602	21	2 1.1	19.6
203177 2001 AM_{9}	15.7	X	42.31308	168.21226	249.11318	6.19435	0.1416264	0.24042235	2.5614516	21	—	—
203178 2001 AH_{36}	16.1	X	240.36535	106.88172	64.60554	6.60739	0.2198896	0.22968022	2.6407076	21	11 21.9	20.0
203179 2001 BK_{10}	17.2	X	245.80619	228.40684	321.80524	19.42443	0.0512529	0.37847107	1.8928415	21	—	—
203180 2001 BU_{11}	15.9	X	241.93055	145.34221	101.38564	7.97895	0.0389604	0.24693014	2.5162473	21	—	—
203181 2001 BJ_{24}	16.2	X	152.95374	59.27279	138.23608	4.76185	0.0924169	0.27014177	2.3699630	21	10 12.3	19.7
203182 2001 BN_{25}	15.7	X	46.66663	315.82831	134.06218	5.38960	0.1679656	0.24388814	2.5371274	21	—	—
203183 2001 BS_{25}	16.2	X	98.59318	285.53897	110.92678	4.02734	0.2389507	0.24587357	2.5234507	21	1 21.4	18.9
203184 2001 BZ_{56}	15.8	X	240.69458	40.94309	126.90739	15.57060	0.0317539	0.22987023	2.6392522	21	12 16.3	19.5
203185 2001 BD_{66}	15.8	X	328.27462	90.87290	138.83815	12.55102	0.2559317	0.24281395	2.5446045	21	1 30.3	19.0
203186 2001 BA_{70}	16.0	X	270.46577	106.17970	348.29737	20.92164	0.1443809	0.36762811	1.9298797	21	10 13.4	17.8
203187 2001 CK	17.1	X	309.16318	239.26237	134.48137	23.91638	0.1010071	0.36332655	1.9450822	21	9 3.1	18.6
203188 2001 CQ_{5}	16.0	X	289.36133	51.69387	124.13723	8.05914	0.1023121	0.23586766	2.5943214	21	—	—
203189 2001 CF_{6}	15.6	X	332.08169	26.13433	130.78635	13.65329	0.1032879	0.23926119	2.5697323	21	—	—
203190 2001 CT_{12}	16.2	X	23.66102	37.11364	90.61661	4.89439	0.1925837	0.24363145	2.5389091	21	—	—
203191 2001 CV_{15}	16.8	X	6.09695	60.65602	29.51635	3.18376	0.1933133	0.23816899	2.5775825	21	—	—
203192 2001 CE_{30}	15.9	X	353.17729	55.92219	52.04520	5.84265	0.1727234	0.23809247	2.5781347	21	—	—
203193 2001 CC_{35}	15.3	X	323.50943	71.43292	84.00047	15.34947	0.0554240	0.23778797	2.5803352	21	—	—
203194 2001 CT_{37}	16.9	X	326.98044	262.02269	113.75551	24.51688	0.0721942	0.36629422	1.9345621	21	10 30.2	19.3
203195 2001 CH_{42}	16.1	X	100.09868	245.55125	122.69793	10.23809	0.2000584	0.24151641	2.5537102	21	—	—
203196 2001 CJ_{42}	16.9	X	58.55935	153.52899	101.08283	28.33384	0.0475256	0.36144304	1.9518337	21	9 17.2	19.7
203197 2001 DG_{1}	16.3	X	51.81590	83.05332	325.51426	4.27940	0.2139922	0.23944893	2.5683889	21	—	—
203198 2001 DV_{1}	17.3	X	81.51664	359.65967	7.94147	0.47460	0.0778262	0.23501318	2.6006060	21	—	—
203199 2001 DT_{7}	17.1	X	190.09555	282.17491	142.62350	23.84488	0.1026291	0.35555824	1.9733111	21	5 28.7	20.3
203200 2001 DP_{17}	16.3	X	263.19226	130.92266	96.73405	6.38109	0.2127564	0.23545837	2.5973270	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
203201 2001 DQ_{32}	16.3	X	22.16787	42.38386	51.05357	3.42864	0.1201685	0.23844605	2.5755855	21	—	—
203202 2001 DW_{38}	15.9	X	304.63700	7.38042	142.34795	13.82872	0.1001526	0.23582154	2.5946596	21	—	—
203203 2001 DJ_{40}	16.1	X	27.83631	304.56162	146.45459	5.42104	0.1198205	0.23970078	2.5665895	21	—	—
203204 2001 DZ_{49}	15.5	X	136.00771	292.47034	108.92343	14.83223	0.0149689	0.24617482	2.5213916	21	2 15.8	18.9
203205 2001 DE_{60}	15.9	X	351.79551	267.00701	142.89605	13.30969	0.1102278	0.23056316	2.6339616	21	12 20.7	19.2
203206 2001 DD_{65}	15.6	X	256.22646	7.16762	148.47411	14.32310	0.0702285	0.22872066	2.6480883	21	12 14.9	19.3
203207 2001 DE_{70}	16.3	X	318.37680	163.65465	322.10434	2.04805	0.1636306	0.23317430	2.6142609	21	—	—
203208 2001 DE_{75}	16.5	X	41.82984	94.87825	334.55596	4.01281	0.2016112	0.24048325	2.5610191	21	—	—
203209 2001 DG_{100}	15.8	X	222.84095	312.51726	250.06201	6.46637	0.2595558	0.22668085	2.6639506	21	12 6.4	19.9
203210 2001 DR_{100}	12.6	X	273.16481	91.21513	11.54105	10.71169	0.0338287	0.08110151	5.2858733	21	10 12.8	19.6
203211 2001 DP_{110}	16.1	X	42.42303	354.35459	106.72959	28.47311	0.0734913	0.24390196	2.5370315	21	—	—
203212 2001 ET_{9}	16.7	X	256.32551	20.00703	144.87703	5.52449	0.1828862	0.22780849	2.6551523	21	12 8.9	20.2
203213 2001 EP_{11}	15.4	X	246.02392	84.14393	115.32456	11.11756	0.2054179	0.22740582	2.6582858	21	—	—
203214 2001 EV_{12}	14.8	X	170.04326	122.82652	83.67544	35.66258	0.2492896	0.22013526	2.7164996	21	11 13.8	20.1
203215 2001 EU_{24}	15.3	X	297.26213	29.90839	106.27340	14.56385	0.0919214	0.22946185	2.6423827	21	—	—
203216 2001 FY_{7}	16.0	X	271.41365	55.88028	113.78488	6.59041	0.1416453	0.22980526	2.6397496	21	—	—
203217 2001 FX_{9}	18.6	X	231.66169	292.15355	184.37571	3.49858	0.3302129	0.36655960	1.9336282	21	8 31.5	21.4
203218 2001 FM_{60}	16.5	X	326.44933	138.36418	9.60581	11.78712	0.2210359	0.23583749	2.5945427	21	—	—
203219 2001 FE_{61}	16.5	X	355.19572	118.88529	26.34974	4.83241	0.1828845	0.23900452	2.5715717	21	—	—
203220 2001 FU_{66}	16.5	X	246.37603	120.88827	102.69111	4.72520	0.1483649	0.23159603	2.6261245	21	—	—
203221 2001 FJ_{73}	15.8	X	321.66836	107.17153	24.00041	13.14432	0.2337883	0.23308878	2.6149003	21	—	—
203222 2001 FH_{81}	16.0	X	317.58756	256.70555	303.14087	9.45939	0.2005492	0.23893512	2.5720696	21	—	—
203223 2001 FC_{82}	15.7	X	280.45295	307.25768	205.21959	13.01768	0.2132257	0.22977776	2.6399602	21	12 24.4	18.7
203224 2001 FU_{91}	16.2	X	335.81449	116.56119	23.15315	9.79853	0.1186416	0.23665538	2.5885613	21	—	—
203225 2001 FC_{97}	16.0	X	329.01925	66.47119	108.40904	8.70452	0.1681652	0.23733490	2.5836180	21	—	—
203226 2001 FQ_{99}	15.7	X	225.37113	113.26354	126.83651	10.09455	0.0885736	0.23052184	2.6342763	21	—	—
203227 2001 FW_{122}	16.7	X	350.24998	322.97914	162.48481	1.19721	0.1459060	0.23515953	2.5995269	21	—	—
203228 2001 FK_{132}	16.3	X	2.36504	212.57797	226.48268	1.09467	0.0309243	0.22976858	2.6400306	21	—	—
203229 2001 FU_{151}	15.5	X	225.74346	94.85999	83.19371	13.55867	0.1121511	0.22359260	2.6884240	21	11 27.9	19.3
203230 2001 FL_{167}	16.2	X	281.00951	60.33452	141.01140	6.15938	0.2615373	0.23212155	2.6221593	21	—	—
203231 2001 FT_{172}	15.9	X	227.55434	114.58683	103.93493	13.14270	0.2698271	0.22673500	2.6635264	21	12 28.9	19.9
203232 2001 GM_{11}	15.2	X	334.69183	13.08530	126.35478	34.27210	0.1713033	0.23274195	2.6174975	21	—	—
203233 2001 HB_{9}	16.7	X	106.18357	139.02994	67.67679	3.76378	0.1333676	0.30588365	2.1815502	21	9 8.4	19.6
203234 2001 HP_{18}	15.7	X	287.02938	52.30810	117.26423	14.62079	0.2060905	0.22950593	2.6420444	21	—	—
203235 2001 HV_{53}	15.6	X	287.65441	69.56804	129.79236	14.55609	0.1316646	0.23215503	2.6219072	21	—	—
203236 2001 HH_{60}	15.1	X	169.09809	65.24491	96.25610	22.56729	0.1062533	0.21021004	2.8013481	21	9 15.9	19.9
203237 2001 JC_{10}	15.2	X	247.66346	74.65614	123.37271	13.22296	0.1521618	0.22533070	2.6745813	21	—	—
203238 2001 KR_{40}	15.7	X	283.64437	82.26328	107.19652	13.22767	0.1901099	0.23015206	2.6370972	21	—	—
203239 2001 MZ_{11}	15.3	X	163.41310	298.39541	61.83173	6.24789	0.1358276	0.17743038	3.1365392	21	2 19.6	20.3
203240 2001 NV_{15}	17.3	X	358.38677	34.06908	351.62071	2.43296	0.1919965	0.30476131	2.1869029	21	12 30.5	19.2
203241 2001 OQ_{17}	15.3	X	214.42453	95.07372	117.98951	25.31052	0.1551476	0.21750562	2.7383506	21	12 23.2	19.6
203242 2001 OA_{36}	16.0	X	298.79605	222.86121	65.82895	4.00881	0.0755242	0.18587740	3.0407800	21	4 15.0	20.2
203243 2001 OP_{64}	15.5	X	205.20081	264.08946	90.51628	5.95471	0.1761283	0.18188260	3.0851429	21	3 22.3	20.7
203244 2001 ON_{100}	17.1	X	16.53745	254.60751	103.17902	6.50752	0.2107906	0.30285715	2.1960598	21	12 21.9	19.4
203245 2001 OU_{106}	14.5	X	186.70077	66.24825	315.32032	8.81024	0.2423268	0.17793688	3.1305843	21	4 1.5	20.1
203246 2001 OT_{110}	17.3	X	77.06050	50.58099	316.00166	2.55724	0.0933405	0.31334637	2.1467737	21	—	—
203247 2001 QK_{6}	15.0	X	175.64311	274.87788	144.02153	16.90526	0.2414435	0.18214683	3.0821585	21	5 15.5	20.7
203248 2001 QP_{15}	17.4	X	49.61186	268.78709	82.62648	4.03179	0.2270213	0.30636413	2.1792687	21	—	—
203249 2001 QU_{34}	15.6	X	137.55620	124.75678	140.91794	9.73773	0.2590559	0.21408910	2.7674069	21	12 13.9	20.6
203250 2001 QF_{89}	17.0	X	61.11452	325.70169	27.27192	3.38392	0.1605597	0.30577157	2.1820832	21	—	—
203251 2001 QN_{96}	16.5	X	51.24416	12.88791	327.56406	3.43723	0.1887315	0.30345681	2.1931658	21	—	—
203252 2001 QQ_{99}	17.3	X	73.19028	1.30805	305.71652	0.92153	0.1143032	0.30456438	2.1878454	21	12 11.1	20.2
203253 2001 QU_{116}	16.9	X	334.65039	82.90328	287.02220	4.89839	0.1957408	0.29604955	2.2295974	21	10 3.1	18.2
203254 2001 QG_{129}	15.1	X	206.10472	84.54526	296.17470	9.90189	0.2162300	0.18241846	3.0790981	21	4 14.2	20.6
203255 2001 QD_{136}	16.8	X	351.06896	95.73489	246.05675	4.49225	0.2075161	0.29461984	2.2368046	21	9 28.4	18.1
203256 2001 QW_{149}	15.0	X	175.81429	100.28594	306.47529	11.10061	0.2512107	0.18235731	3.0797865	21	4 21.8	20.6
203257 2001 QC_{153}	17.5	X	328.22854	272.61152	109.08997	4.49242	0.1921260	0.29706659	2.2245056	21	10 14.5	18.8
203258 2001 QG_{163}	17.7	X	343.82966	85.03306	292.56364	1.66173	0.1627104	0.29947101	2.2125828	21	11 10.7	19.3
203259 2001 QE_{165}	15.6	X	310.77330	224.83901	114.29106	12.63239	0.1043453	0.19305863	2.9648990	21	7 1.3	19.4
203260 2001 QW_{186}	17.8	X	3.29199	87.28121	348.14732	0.55634	0.0785264	0.30963381	2.1638997	21	—	—
203261 2001 QA_{187}	14.5	X	89.21861	105.12609	269.81766	14.07595	0.1741027	0.16315183	3.3169690	21	—	—
203262 2001 QD_{240}	16.0	X	213.01548	43.60229	308.11128	0.54551	0.1462212	0.17967309	3.1103842	21	3 23.0	21.0
203263 2001 QS_{246}	14.6	X	251.54148	308.38445	6.65331	22.99279	0.1033400	0.17755314	3.1350934	21	3 21.7	19.3
203264 2001 QQ_{249}	15.0	X	196.04076	251.97775	167.40975	16.52649	0.2257809	0.18035306	3.1025614	21	5 29.2	20.6
203265 2001 QB_{258}	16.3	X	61.85947	322.98476	32.72264	5.60947	0.1952514	0.30618563	2.1801156	21	—	—
203266 2001 QF_{268}	15.4	X	192.02577	82.48626	265.96521	3.64829	0.1353161	0.17692849	3.1424680	21	2 27.6	20.4
203267 2001 QJ_{275}	15.4	X	350.87652	162.48252	118.89625	10.75481	0.0983167	0.19157750	2.9801609	21	6 18.2	19.0
203268 2001 QW_{278}	17.4	X	263.23458	305.60887	62.76387	4.03608	0.2272164	0.28748712	2.2736509	21	5 17.1	20.5
203269 2001 QP_{280}	17.1	X	349.11685	266.33595	99.77113	5.99688	0.2541649	0.29800174	2.2198494	21	11 19.3	18.3
203270 2001 QX_{284}	15.4	X	200.42413	229.38283	107.80114	6.85220	0.1587845	0.17787393	3.1313229	21	2 25.8	20.5
203271 2001 RU_{5}	15.4	X	320.68045	334.01727	337.42959	5.69518	0.2590474	0.19098825	2.9862875	21	5 14.3	19.1
203272 2001 RL_{6}	17.1	X	315.43624	39.25263	350.16841	5.35168	0.2668979	0.29450681	2.2373769	21	9 9.1	18.1
203273 2001 RL_{15}	15.2	X	142.27240	95.79520	330.37711	20.63037	0.2116286	0.17538060	3.1609310	21	4 10.7	20.7
203274 2001 RN_{22}	18.2	X	23.53198	23.54440	304.96639	1.22142	0.1526280	0.30007462	2.2096146	21	11 8.9	20.4
203275 2001 RK_{35}	15.1	X	137.92494	120.36302	316.72023	9.17521	0.0259739	0.18159556	3.0883930	21	4 7.6	19.6
203276 2001 RM_{48}	16.7	X	91.26811	123.33394	225.36049	5.48734	0.1415577	0.30979813	2.1631345	21	—	—
203277 2001 RQ_{55}	15.6	X	33.05156	348.38295	0.98462	7.08305	0.0302186	0.20377535	2.8600148	21	11 12.9	19.5
203278 2001 RH_{70}	17.2	X	301.14844	101.07420	272.39593	4.02752	0.1782951	0.29103866	2.2551162	21	7 24.1	19.4
203279 2001 RF_{74}	16.8	X	300.18437	93.21545	209.30539	4.87488	0.1774325	0.28374680	2.2935880	21	4 6.6	19.4
203280 2001 RO_{94}	17.1	X	309.42081	172.86211	221.71568	2.74001	0.1547101	0.29450787	2.2373716	21	9 18.2	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
203281 2001 RQ_{116}	15.9	X	245.09964	206.66697	122.67611	2.54508	0.0784065	0.18089190	3.0963970	21	4 1.9	20.5
203282 2001 RG_{117}	16.0	X	156.13081	250.42349	165.77416	2.43937	0.1070054	0.17872724	3.1213482	21	4 15.4	20.9
203283 2001 RL_{145}	15.2	X	55.37922	302.53055	311.00155	10.99720	0.0948881	0.19570156	2.9381447	21	8 19.7	19.1
203284 2001 RY_{146}	14.4	X	141.50572	74.51669	292.53527	21.00252	0.1004053	0.16995262	3.2278807	21	1 28.7	19.3
203285 2001 RU_{152}	17.2	X	25.93725	300.29013	98.23136	4.07147	0.1006997	0.30707456	2.1759061	21	—	—
203286 2001 SH_{2}	17.0	X	329.07238	161.74421	246.37932	1.25608	0.1591359	0.29887051	2.2155455	21	11 28.2	18.5
203287 2001 SY_{28}	17.8	X	346.87481	268.68747	136.27106	1.61613	0.1619339	0.30104198	2.2048786	21	12 31.9	19.7
203288 2001 SX_{42}	16.6	X	340.09423	270.84033	156.31059	3.89642	0.1331527	0.30316492	2.1945733	21	—	—
203289 2001 SN_{47}	17.2	X	301.41041	282.83318	110.81681	4.11080	0.1768834	0.29327906	2.2436168	21	8 29.9	19.0
203290 2001 SJ_{66}	17.5	X	316.62585	168.71585	166.74611	5.14719	0.2619705	0.28930962	2.2640923	21	6 7.2	19.5
203291 2001 SJ_{72}	16.3	X	346.62759	302.66153	79.32977	4.77105	0.2058717	0.29583969	2.2306517	21	11 30.1	17.8
203292 2001 SR_{75}	17.1	X	17.83002	103.84091	296.47789	4.00231	0.1259320	0.30455153	2.1879070	21	—	—
203293 2001 SU_{76}	15.7	X	147.27656	116.39201	281.40014	1.13499	0.0800279	0.17449332	3.1716373	21	3 12.1	20.4
203294 2001 SM_{91}	15.8	X	180.23663	82.02881	293.24423	3.43654	0.1437259	0.17714620	3.1398928	21	3 20.4	20.9
203295 2001 SM_{97}	17.5	X	5.84551	105.26527	331.84610	3.83949	0.0723086	0.30948348	2.1646004	21	—	—
203296 2001 SO_{127}	15.4	X	131.45969	44.79719	338.15414	4.11477	0.1768030	0.17083612	3.2167421	21	2 17.7	20.2
203297 2001 SY_{141}	15.3	X	248.30938	16.56816	341.03021	10.61367	0.0813146	0.18407262	3.0606236	21	5 4.3	20.1
203298 2001 SK_{152}	16.9	X	19.42985	109.63267	203.11390	5.10922	0.1960839	0.29604699	2.2296102	21	10 16.1	18.7
203299 2001 SS_{152}	16.9	X	142.24015	55.29180	233.67491	3.32826	0.0917904	0.30864388	2.1685242	21	—	—
203300 2001 SR_{186}	16.8	X	334.22981	226.02790	132.46095	5.76724	0.1731192	0.29578744	2.2309144	21	9 17.6	18.2
203301 2001 SZ_{235}	17.3	X	351.35570	139.96012	185.95855	4.20640	0.1741869	0.29265412	2.2468097	21	8 29.6	18.7
203302 2001 SA_{239}	17.1	X	331.05432	235.61889	133.50971	1.96903	0.0694831	0.29495101	2.2351300	21	9 28.8	19.2
203303 2001 SC_{241}	17.6	X	329.72147	340.26599	125.80353	2.04977	0.0801220	0.30647462	2.1787449	21	—	—
203304 2001 SF_{265}	17.0	X	306.76203	346.35669	16.51147	7.27962	0.1120262	0.28957447	2.2627116	21	8 2.2	19.4
203305 2001 SO_{273}	16.0	X	244.62554	177.66296	155.06330	3.41020	0.0367411	0.17848496	3.1241723	21	4 9.7	20.4
203306 2001 ST_{291}	16.7	X	335.49431	285.83249	113.46061	9.35274	0.1939910	0.29690338	2.2253208	21	12 3.2	18.2
203307 2001 SP_{319}	17.3	X	45.29096	292.37078	12.57530	3.28035	0.1810905	0.29927812	2.2135334	21	11 11.6	20.0
203308 2001 SY_{321}	14.8	X	31.81474	254.78467	319.61268	10.38447	0.0567134	0.18338679	3.0682495	21	5 19.2	19.0
203309 2001 SO_{325}	15.6	X	204.13920	45.37623	333.85637	8.01636	0.0379284	0.18247174	3.0784987	21	4 15.2	20.3
203310 2001 TW_{24}	17.4	X	319.62746	87.12708	277.21862	3.25914	0.1374451	0.29230195	2.2486140	21	8 21.9	19.4
203311 2001 TZ_{30}	16.7	X	295.26920	106.17143	305.47128	5.20346	0.1723788	0.29204102	2.2499532	21	9 12.1	18.9
203312 2001 TW_{34}	16.5	X	211.50946	116.68259	359.24201	6.47808	0.2446458	0.28489176	2.2874387	21	8 18.9	20.2
203313 2001 TM_{51}	16.9	X	331.59803	5.37342	48.82104	6.54694	0.1413406	0.29900843	2.2148641	21	12 11.6	18.7
203314 2001 TN_{58}	17.6	X	349.26395	22.44338	18.69550	3.82290	0.1492527	0.30037499	2.2081413	21	12 28.7	19.5
203315 2001 TQ_{60}	17.2	X	352.76831	78.51503	292.21703	1.32244	0.1393196	0.29730934	2.2232946	21	11 15.2	18.9
203316 2001 TB_{63}	16.9	X	305.46756	269.58520	171.60418	3.92879	0.0742780	0.29861347	2.2168167	21	12 3.0	19.0
203317 2001 TM_{65}	16.9	X	292.27603	240.79519	196.03442	6.45044	0.1535871	0.29509349	2.2344105	21	10 23.9	18.5
203318 2001 TN_{66}	17.3	X	348.23573	264.29527	102.72280	0.73458	0.2253993	0.29609627	2.2293628	21	11 11.4	18.6
203319 2001 TH_{68}	16.5	X	51.67496	261.79821	58.48267	5.59305	0.1735085	0.29927125	2.2135672	21	12 9.7	19.4
203320 2001 TJ_{93}	17.0	X	235.24634	109.43314	347.94600	7.77100	0.1253364	0.29062793	2.2572404	21	8 30.3	19.9
203321 2001 TU_{109}	17.2	X	246.45216	182.04616	283.62305	2.87065	0.1105958	0.29272609	2.2464414	21	9 25.6	19.8
203322 2001 TL_{110}	17.0	X	322.00655	113.80331	245.67456	6.97343	0.1553118	0.29130818	2.2537250	21	8 14.1	18.9
203323 2001 TM_{111}	16.4	X	331.92755	133.54362	238.73832	5.01822	0.1726000	0.29409700	2.2394549	21	9 30.7	18.0
203324 2001 TM_{113}	17.0	X	19.63147	52.16511	257.83952	4.03205	0.0290680	0.29159973	2.2522226	21	9 13.6	19.5
203325 2001 TC_{148}	17.2	X	331.85512	337.57006	82.06179	3.77373	0.0991970	0.30012186	2.2093827	21	12 18.1	19.1
203326 2001 TQ_{151}	17.1	X	248.05962	25.12979	86.75613	4.84549	0.1249058	0.29391318	2.2403885	21	10 9.3	19.7
203327 2001 TU_{173}	17.3	X	137.08317	259.85731	29.00160	3.29279	0.1809540	0.30860285	2.1687164	21	—	—
203328 2001 TS_{175}	17.0	X	80.06325	54.01698	243.59190	3.83288	0.0743631	0.30160608	2.2021285	21	12 1.8	19.9
203329 2001 TH_{190}	17.0	X	207.96669	134.06719	291.32828	1.89864	0.1365715	0.28171657	2.3045942	21	6 13.3	20.5
203330 2001 TH_{193}	16.2	X	303.42878	23.27569	350.74821	4.72836	0.2000095	0.28730147	2.2746303	21	7 27.5	18.2
203331 2001 TV_{198}	17.2	X	274.42398	328.24093	77.35741	6.50643	0.1274650	0.29146579	2.2529125	21	8 10.4	19.8
203332 2001 TK_{208}	16.8	X	17.71260	278.02025	123.63585	6.89996	0.0216360	0.30240132	2.1982661	21	—	—
203333 2001 TU_{212}	15.4	X	249.85200	335.63531	321.12971	9.48118	0.1816585	0.17602535	3.1532077	21	2 17.8	20.4
203334 2001 TC_{226}	14.8	X	145.05739	240.50986	127.80130	13.16125	0.2631244	0.17120180	3.2121600	21	2 21.9	20.2
203335 2001 TW_{228}	15.1	X	169.46218	55.66342	293.73130	13.09823	0.1512732	0.16981559	3.2296169	21	2 8.8	20.4
203336 2001 UG_{6}	17.3	X	26.35241	258.08547	95.24356	5.63319	0.2277656	0.30227071	2.1988993	21	12 31.9	19.9
203337 2001 UT_{15}	16.7	X	227.14201	90.80408	19.88193	7.07880	0.0759874	0.29098653	2.2553856	21	9 15.8	19.4
203338 2001 UB_{41}	17.4	X	301.54832	237.79510	135.01497	2.76404	0.1699633	0.29024033	2.2592496	21	7 25.9	19.3
203339 2001 UT_{60}	15.1	X	132.07448	97.56524	210.03236	11.85045	0.0692033	0.15952418	3.3670665	21	—	—
203340 2001 UU_{66}	16.7	X	340.48585	98.55407	246.28676	2.39454	0.1642621	0.29151046	2.2526823	21	9 4.0	18.1
203341 2001 UV_{75}	16.4	X	338.48453	289.05620	79.77521	7.69402	0.2073265	0.29423072	2.2387763	21	10 20.8	17.8
203342 2001 UJ_{81}	17.4	X	161.01404	271.75767	175.01561	2.20723	0.1772118	0.27758405	2.3274108	21	5 27.1	20.9
203343 2001 UG_{83}	16.5	X	218.75590	86.19666	66.98680	2.69139	0.1530592	0.29369974	2.2414738	21	10 22.9	19.6
203344 2001 UL_{103}	17.7	X	299.16807	2.86851	98.88602	2.00520	0.0998963	0.30071631	2.2064702	21	12 21.7	19.7
203345 2001 UP_{104}	17.0	X	233.40011	75.35259	53.26153	6.79268	0.0983125	0.29459583	2.2369262	21	10 16.6	19.7
203346 2001 UB_{136}	17.0	X	109.39020	67.63043	60.51888	3.03259	0.1447943	0.27522084	2.3407148	21	5 22.6	20.0
203347 2001 UV_{148}	17.1	X	324.18293	306.31856	77.61709	4.70862	0.1172914	0.29323215	2.2438561	21	10 9.6	19.0
203348 2001 UG_{155}	14.8	X	174.18614	202.06286	222.81734	12.04347	0.1319499	0.17489024	3.1668367	21	5 14.6	19.9
203349 2001 UO_{200}	17.1	X	63.41924	22.14501	249.36551	2.90810	0.1168222	0.29476557	2.2360674	21	10 8.8	19.8
203350 2001 UX_{204}	17.0	X	241.67598	221.93760	255.16766	1.74126	0.0777067	0.29365511	2.2417010	21	10 11.7	19.7
203351 2001 VW_{29}	16.8	X	218.59180	176.29277	267.67240	1.55036	0.1242180	0.28364800	2.2941205	21	7 21.1	20.0
203352 2001 VK_{53}	16.7	X	317.54003	57.95569	300.14905	4.07495	0.1784587	0.29041962	2.2583197	21	8 1.9	18.5
203353 2001 VF_{54}	16.5	X	250.82704	203.53681	292.65381	5.08671	0.0554348	0.29769470	2.2213755	21	11 25.5	19.0
203354 2001 VG_{58}	17.0	X	254.90868	155.88291	279.63335	2.96049	0.1521071	0.28907198	2.2653330	21	8 18.5	19.8
203355 2001 VT_{59}	17.1	X	318.59363	142.43089	292.57272	4.43311	0.0888560	0.29839255	2.2179108	21	12 16.1	19.0
203356 2001 VQ_{63}	16.9	X	298.86635	107.88633	252.03313	5.67004	0.1413579	0.28689540	2.2767761	21	7 5.2	19.2
203357 2001 VZ_{63}	16.7	X	33.99279	322.47085	26.12591	3.34977	0.1626238	0.29906199	2.2145997	21	12 24.7	19.2
203358 2001 VS_{64}	16.8	X	316.22170	61.73273	280.32889	5.33594	0.1471729	0.28698332	2.2763111	21	7 8.2	18.7
203359 2001 VL_{88}	17.1	X	271.01859	268.06401	101.45607	3.46463	0.1923412	0.28555031	2.2839204	21	6 1.2	20.1
203360 2001 VA_{102}	17.4	X	266.93022	27.36909	2.89478	3.29640	0.1396722	0.28577220	2.2827380	21	7 3.4	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
203361 2001 VT_{102}	17.5	X	326.73202	20.63232	5.70494	1.87612	0.1514429	0.29364021	2.2417768	21	10 15.0	18.9
203362 2001 VB_{113}	16.4	X	11.74269	308.41057	37.57133	6.71104	0.1298216	0.29415598	2.2391555	21	11 9.9	18.6
203363 2001 VD_{119}	16.9	X	206.64882	238.64218	266.60748	4.21479	0.0614370	0.29024614	2.2592194	21	10 4.8	19.8
203364 2001 VQ_{124}	17.3	X	191.68879	51.22876	61.08817	4.47503	0.1042934	0.28388795	2.2928276	21	8 1.7	20.6
203365 2001 VC_{125}	16.7	X	261.54166	27.61844	18.31526	6.27416	0.1579686	0.28354327	2.2946854	21	7 17.3	19.7
203366 2001 VD_{125}	16.6	X	269.49258	3.66272	36.60512	6.60759	0.1963572	0.28477275	2.2880759	21	7 13.4	19.6
203367 2001 WO_{5}	16.9	X	221.00584	304.85150	139.10713	1.91491	0.1784441	0.28313494	2.2968911	21	7 19.2	20.3
203368 2001 WW_{5}	17.2	X	310.03943	59.07750	258.37923	3.49999	0.2603351	0.28352115	2.2948048	21	4 27.7	19.7
203369 2001 WD_{10}	17.0	X	248.94586	265.32764	172.40129	5.04383	0.2260246	0.28670802	2.2777680	21	8 3.6	20.4
203370 2001 WY_{35}	17.2	X	359.18918	260.65816	96.72778	5.99013	0.2077417	0.29500204	2.2348723	21	11 19.2	18.9
203371 2001 WB_{45}	15.1	X	303.64489	159.10180	241.83152	25.69021	0.2032154	0.28915316	2.2649090	21	8 24.1	18.0
203372 2001 WK_{78}	16.7	X	104.40850	132.46990	75.24997	7.09862	0.0641966	0.28586972	2.2822188	21	8 30.5	19.7
203373 2001 WD_{101}	17.8	X	191.37123	71.60821	50.03815	2.94130	0.1274730	0.28479151	2.2879754	21	8 13.1	21.2
203374 2001 XK_{7}	17.2	X	220.60677	206.67346	242.95520	3.94387	0.1483155	0.28356184	2.2945852	21	7 27.9	20.5
203375 2001 XR_{18}	16.5	X	326.96023	66.25205	337.43894	4.85546	0.1234778	0.29281353	2.2459941	21	11 10.8	18.5
203376 2001 XC_{20}	17.1	X	202.22427	86.88704	335.37256	4.30541	0.2110470	0.27784372	2.3259605	21	5 31.6	21.0
203377 2001 XL_{38}	16.5	X	323.67748	16.00291	341.09424	7.06826	0.1400472	0.28773000	2.2723713	21	8 20.6	18.3
203378 2001 XX_{43}	16.4	X	275.98573	53.56549	4.74281	6.17132	0.1225790	0.28670365	2.2777911	21	9 1.1	18.9
203379 2001 XD_{61}	16.5	X	327.61635	297.01358	81.35173	8.11720	0.1352130	0.29103892	2.2551149	21	10 9.4	18.4
203380 2001 XP_{61}	16.9	X	302.40918	270.27878	127.22696	3.45008	0.1139857	0.28922563	2.2645306	21	9 16.4	18.9
203381 2001 XA_{70}	16.7	X	210.54901	296.30940	104.79715	12.39792	0.1762790	0.27798766	2.3251575	21	5 17.2	20.5
203382 2001 XR_{84}	17.0	X	318.83678	266.90315	130.73750	5.29283	0.1735791	0.29219786	2.2491479	21	10 17.9	18.5
203383 2001 XN_{92}	16.8	X	237.50866	4.43225	66.75448	2.79743	0.1651588	0.28520010	2.2857897	21	7 21.6	20.0
203384 2001 XA_{93}	17.1	X	224.24584	347.13682	55.87163	3.80348	0.0567398	0.27993955	2.3143367	21	6 6.1	19.9
203385 2001 XH_{93}	16.9	X	265.60675	29.01833	63.45730	4.35687	0.1176198	0.29133749	2.2535739	21	10 7.4	19.3
203386 2001 XZ_{96}	16.5	X	231.99841	194.64002	302.24632	4.30943	0.1688179	0.29080391	2.2563297	21	10 10.8	19.6
203387 2001 XK_{103}	16.4	X	311.11727	315.04509	19.78538	8.13174	0.2900965	0.28482821	2.2877789	21	5 18.7	18.8
203388 2001 XX_{104}	17.0	X	357.65150	72.36508	271.68700	3.59665	0.1426538	0.28699323	2.2762587	21	10 9.8	19.0
203389 2001 XQ_{120}	17.3	X	206.40745	54.50044	81.46810	4.03301	0.1477685	0.28888560	2.2663072	21	9 17.5	20.5
203390 2001 XQ_{127}	16.7	X	24.15117	62.55121	243.22151	3.14256	0.1247017	0.28988616	2.2610894	21	9 28.9	18.9
203391 2001 XF_{129}	17.0	X	222.69141	61.57844	76.40292	6.67863	0.0903462	0.29104011	2.2551087	21	10 17.3	19.9
203392 2001 XL_{134}	17.6	X	211.98833	190.41381	251.64224	2.86540	0.1292062	0.28215320	2.3022159	21	7 10.5	20.9
203393 2001 XB_{139}	16.9	X	198.86704	182.29871	249.86231	7.16445	0.0665872	0.27894368	2.3198418	21	6 14.9	20.1
203394 2001 XT_{141}	15.3	X	353.94396	155.14265	203.57394	3.04828	0.0742446	0.14129688	3.6507408	21	9 28.6	20.1
203395 2001 XW_{142}	16.9	X	186.31691	336.07643	238.95063	4.97243	0.0817273	0.29642968	2.2276909	21	12 14.4	19.6
203396 2001 XO_{148}	17.2	X	317.50652	262.32956	109.60071	4.29816	0.2339008	0.28982955	2.2613838	21	8 19.1	18.5
203397 2001 XZ_{151}	16.8	X	227.49446	79.77159	76.84469	3.48714	0.0918301	0.29271646	2.2464907	21	11 15.7	19.4
203398 2001 XE_{154}	16.4	X	119.97423	164.37286	87.45060	6.88898	0.0714592	0.29188298	2.2507652	21	11 17.6	19.4
203399 2001 XP_{155}	16.6	X	148.08109	27.46854	115.64289	3.93171	0.0938561	0.27922580	2.3182789	21	7 23.8	19.9
203400 2001 XR_{163}	16.8	X	137.86490	7.57159	141.54787	2.83669	0.1018831	0.27875053	2.3209133	21	7 20.3	20.0
203401 2001 XZ_{166}	16.8	X	192.52120	357.54637	98.95924	2.90574	0.1858301	0.27993189	2.3143789	21	7 8.2	20.4
203402 2001 XE_{167}	16.7	X	151.96349	260.60949	247.41728	3.09490	0.0660826	0.28063443	2.3105147	21	8 1.8	19.9
203403 2001 XZ_{168}	16.6	X	79.01900	248.72526	273.10434	5.23024	0.0909957	0.27190703	2.3596944	21	5 18.2	19.2
203404 2001 XM_{171}	17.0	X	143.01732	279.15427	252.21496	1.18204	0.1621158	0.28101906	2.3084060	21	8 28.4	20.5
203405 2001 XY_{172}	17.2	X	173.81384	8.05894	139.02600	2.10645	0.1636272	0.28147778	2.3058973	21	8 26.9	20.6
203406 2001 XW_{177}	16.7	X	170.16044	154.83194	274.73858	4.06123	0.1405024	0.27312731	2.3526607	21	5 10.4	20.2
203407 2001 XX_{178}	16.7	X	229.83622	170.79129	276.78313	5.04164	0.1192207	0.28287958	2.2982732	21	8 7.6	19.8
203408 2001 XR_{179}	16.8	X	223.08891	185.93462	239.59991	1.60264	0.2104874	0.28043441	2.3116133	21	6 24.4	20.5
203409 2001 XX_{182}	17.2	X	239.16558	327.74020	120.91853	3.14302	0.1646322	0.28408076	2.2917901	21	8 16.8	20.2
203410 2001 XW_{185}	16.9	X	254.12251	167.90479	214.96513	1.51756	0.2231802	0.28104816	2.3082467	21	5 27.9	20.2
203411 2001 XN_{188}	16.8	X	190.34112	193.05538	258.85563	5.86961	0.0727156	0.27737105	2.3286022	21	7 1.8	20.0
203412 2001 XO_{188}	16.6	X	202.94564	14.25853	120.06411	7.77419	0.0989782	0.28395315	2.2924766	21	9 16.1	19.8
203413 2001 XD_{191}	16.9	X	238.37702	158.77283	256.69475	2.91898	0.2121799	0.28107585	2.3080951	21	6 25.6	20.2
203414 2001 XJ_{192}	16.5	X	279.97988	170.44980	235.45346	2.65090	0.1458696	0.28457538	2.2891337	21	8 12.2	19.1
203415 2001 XR_{192}	17.3	X	231.67058	142.83129	281.60540	1.51226	0.2255609	0.28109966	2.3079647	21	6 29.9	20.9
203416 2001 XJ_{193}	16.5	X	257.16339	271.97608	140.41088	5.91122	0.1034937	0.28164194	2.3050012	21	7 26.9	19.2
203417 2001 XK_{194}	16.4	X	208.75418	196.07256	267.51201	5.82049	0.0650853	0.28053672	2.3110512	21	8 8.8	19.5
203418 2001 XM_{203}	17.0	X	281.65143	270.95861	132.37497	5.56719	0.1140753	0.28825344	2.2696195	21	8 18.8	19.3
203419 2001 XR_{204}	16.8	X	250.68490	205.66580	200.21601	6.17760	0.0914416	0.28390230	2.2927504	21	7 9.8	19.8
203420 2001 XC_{209}	17.2	X	232.19034	280.14736	128.46009	4.34513	0.2078382	0.28157687	2.3053563	21	6 11.2	20.8
203421 2001 XJ_{211}	16.9	X	210.55383	251.71179	191.86653	3.91392	0.1619479	0.28096032	2.3087277	21	7 8.7	20.4
203422 2001 XG_{225}	17.8	X	313.93686	79.70242	295.62124	2.09440	0.1714087	0.28987315	2.2611570	21	8 24.1	19.3
203423 2001 XU_{232}	17.0	X	324.50012	115.05240	291.58766	5.89898	0.0972367	0.29374255	2.2412561	21	11 10.5	19.2
203424 2001 XG_{239}	16.5	X	209.40251	35.49426	34.62554	3.25649	0.1389670	0.27956666	2.3163942	21	6 21.1	19.9
203425 2001 XZ_{242}	16.7	X	249.32004	196.41825	247.14945	4.94127	0.1201269	0.28642422	2.2792724	21	8 25.7	19.6
203426 2001 XZ_{249}	16.5	X	249.79370	283.95653	91.56398	7.18798	0.1215177	0.27905926	2.3192012	21	5 25.1	19.8
203427 2001 XT_{252}	17.6	X	117.07986	322.18525	116.58345	2.97558	0.1814730	0.26666285	2.3905310	21	4 1.9	20.7
203428 2001 XP_{263}	14.5	X	17.00635	295.56306	90.59670	17.39193	0.0782137	0.15108554	3.4913023	21	12 6.4	19.2
203429 2001 XB_{264}	16.8	X	198.33090	253.22505	292.82413	6.78798	0.1128325	0.29424370	2.2387105	21	11 14.3	19.9
203430 2001 YB_{2}	16.0	X	161.47052	104.84276	85.31623	24.11106	0.1546095	0.28596711	2.2817006	21	10 24.1	20.1
203431 2001 YW_{2}	16.2	X	280.71752	246.20234	107.94453	7.68784	0.1398161	0.27991927	2.3144485	21	5 31.9	19.1
203432 2001 YG_{3}	15.8	X	188.21885	65.86377	88.70733	23.14162	0.2440078	0.28505663	2.2865566	21	9 28.9	20.2
203433 2001 YE_{6}	17.1	X	238.85486	302.75625	82.51323	3.20481	0.2274830	0.27867003	2.3213603	21	5 16.5	20.6
203434 2001 YH_{6}	17.2	X	243.17211	268.43467	63.77578	7.21106	0.2192762	0.27646429	2.3336910	21	3 17.9	21.1
203435 2001 YT_{6}	17.6	X	263.80523	66.43491	327.01440	2.86140	0.1002691	0.28463494	2.2888144	21	7 10.0	20.3
203436 2001 YY_{43}	16.6	X	256.93493	312.94552	74.72880	10.59652	0.0755716	0.28117328	2.3075619	21	6 25.2	19.4
203437 2001 YF_{44}	16.6	X	141.52897	220.93001	277.74267	5.76010	0.0466745	0.27889399	2.3201173	21	7 5.5	19.3
203438 2001 YP_{68}	16.6	X	297.63179	99.07926	313.87739	3.34653	0.0956225	0.28862925	2.2676489	21	9 30.6	18.9
203439 2001 YJ_{69}	16.9	X	299.22848	275.80797	90.42591	6.29350	0.1909002	0.28428615	2.2906861	21	7 7.4	19.1
203440 2001 YZ_{79}	17.2	X	141.57637	83.56215	79.57847	2.70066	0.1489542	0.27831420	2.3233384	21	8 16.9	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
203441 2001 YD_{81}	17.2	X	253.80707	133.00545	292.21991	4.90185	0.1612339	0.28382299	2.2931775	21	8 1.1	20.2
203442 2001 YY_{81}	16.5	X	161.41344	229.95241	306.01016	4.92649	0.1264173	0.28287977	2.2982721	21	9 19.6	20.0
203443 2001 YT_{83}	17.5	X	273.76326	58.21925	341.02491	1.95662	0.2312962	0.28471082	2.2884077	21	7 11.2	20.4
203444 2001 YK_{84}	15.7	X	283.80764	64.50309	299.06247	6.06508	0.1538369	0.28009039	2.3135057	21	6 15.4	18.4
203445 2001 YX_{85}	17.2	X	206.19789	56.55275	22.84666	2.83285	0.1274748	0.27829522	2.3234440	21	7 1.2	20.6
203446 2001 YZ_{85}	17.0	X	205.75482	66.17467	353.57082	3.10930	0.1901183	0.27683160	2.3316263	21	6 1.3	20.8
203447 2001 YP_{86}	16.8	X	122.77894	208.36205	293.42911	1.69823	0.1486707	0.27306436	2.3530222	21	6 27.6	20.0
203448 2001 YE_{87}	16.6	X	113.66886	113.72556	85.29785	9.16187	0.2278866	0.27718933	2.3296197	21	9 15.0	20.5
203449 2001 YE_{88}	16.9	X	187.14446	315.44258	100.76736	7.26456	0.0896829	0.27294539	2.3537059	21	5 12.5	20.3
203450 2001 YH_{88}	16.6	X	258.29517	94.90444	294.22801	6.90286	0.1132161	0.27979638	2.3151261	21	6 24.1	19.7
203451 2001 YP_{89}	17.2	X	168.77199	85.58642	73.33183	4.75217	0.1677696	0.28109850	2.3079711	21	9 8.9	20.8
203452 2001 YA_{91}	16.5	X	163.66627	31.70862	87.06961	4.45770	0.1303717	0.27685751	2.3314808	21	7 9.5	19.9
203453 2001 YQ_{95}	17.6	X	245.73557	113.14057	335.25194	1.84498	0.1293647	0.28511768	2.2862301	21	8 29.1	20.4
203454 2001 YU_{95}	16.4	X	199.80071	22.27430	74.13686	6.40400	0.1456880	0.27966624	2.3158443	21	7 17.2	19.8
203455 2001 YE_{96}	16.6	X	185.12985	54.44620	61.46418	6.17451	0.1204712	0.27922080	2.3183066	21	7 30.1	20.0
203456 2001 YA_{97}	17.0	X	321.66562	148.23374	236.65080	3.61277	0.1652160	0.29193774	2.2504838	21	9 27.8	18.6
203457 2001 YW_{104}	17.4	X	247.37258	302.13238	104.51280	3.11063	0.2356336	0.28229131	2.3014650	21	6 20.5	20.9
203458 2001 YU_{105}	17.0	X	272.92964	145.83323	238.35120	1.85049	0.1588946	0.28303276	2.2974439	21	6 29.2	19.8
203459 2001 YD_{109}	16.6	X	209.62444	90.50283	69.32138	4.57455	0.1630145	0.28916257	2.2648599	21	10 20.7	19.8
203460 2001 YQ_{118}	16.3	X	174.43475	349.02634	90.52518	8.08310	0.0739257	0.27277660	2.3546768	21	5 27.9	19.5
203461 2001 YJ_{123}	16.8	X	324.69055	125.93202	307.60368	5.46603	0.1094222	0.29679660	2.2258545	21	12 26.0	18.7
203462 2001 YM_{124}	16.0	X	282.02151	78.39817	297.11201	6.47404	0.1279864	0.28402529	2.2920885	21	7 5.3	18.4
203463 2001 YU_{130}	17.3	X	219.86800	91.08370	31.97734	4.97331	0.2421638	0.28447202	2.2896882	21	9 5.2	20.8
203464 2001 YM_{135}	17.2	X	179.90358	50.51938	38.92015	2.67967	0.1661246	0.27621699	2.3350837	21	6 16.9	20.7
203465 2001 YN_{137}	16.7	X	259.37319	4.21822	41.81668	7.56922	0.1940734	0.28346323	2.2951173	21	7 8.7	19.9
203466 2001 YR_{138}	16.1	X	243.98864	106.55431	291.58181	6.44186	0.1072856	0.27779437	2.3262359	21	6 19.3	19.2
203467 2001 YR_{151}	16.3	X	331.75648	4.10652	339.18031	5.91357	0.2799294	0.28756199	2.2732563	21	7 29.4	17.2
203468 2001 YE_{152}	16.6	X	255.53202	73.47030	351.33466	6.97175	0.0484156	0.28392545	2.2926258	21	8 23.1	19.4
203469 2001 YM_{154}	16.4	X	28.03386	180.76084	18.63137	6.79821	0.0620991	0.26857364	2.3791790	21	4 16.6	18.7
203470 2002 AU	17.2	X	305.59002	253.35368	115.82208	6.18116	0.1842976	0.28498195	2.2869560	21	7 25.4	19.0
203471 2002 AU_{4}	19.4	X	39.61023	205.18781	99.43698	17.18422	0.3736092	1.24581799	0.8553942	21	—	—
203472 2002 AH_{17}	16.8	X	202.96927	141.29449	292.86848	5.46922	0.1737099	0.27522685	2.3406807	21	6 18.8	20.4
203473 2002 AN_{21}	16.9	X	264.03695	257.08896	106.29054	3.39383	0.1802299	0.27700999	2.3306252	21	5 17.9	20.1
203474 2002 AK_{23}	16.8	X	206.27529	300.12027	132.72867	6.08248	0.2164348	0.27856825	2.3219256	21	6 18.9	20.6
203475 2002 AY_{29}	16.3	X	110.21165	99.14854	67.85412	7.70816	0.0483222	0.27456974	2.3444138	21	7 4.3	19.3
203476 2002 AQ_{34}	15.8	X	300.58308	19.73180	344.04557	5.71534	0.2053606	0.28162689	2.3050834	21	7 3.9	18.3
203477 2002 AS_{36}	16.5	X	146.06246	87.75120	115.93875	7.84796	0.1620081	0.28707543	2.2758242	21	10 17.3	20.1
203478 2002 AT_{38}	17.2	X	192.35334	309.55160	174.12923	2.89035	0.1152770	0.28073607	2.3099570	21	8 15.3	20.4
203479 2002 AL_{41}	16.6	X	216.15561	3.11227	129.05454	5.37735	0.1308762	0.28432021	2.2905032	21	9 24.5	19.7
203480 2002 AP_{48}	17.0	X	126.82557	262.12603	293.84860	3.52531	0.1481993	0.27962304	2.3160828	21	9 11.7	20.6
203481 2002 AG_{50}	16.9	X	244.88579	121.08817	277.27375	1.87841	0.1652802	0.27875191	2.3209056	21	6 13.9	20.3
203482 2002 AP_{51}	16.9	X	212.48086	295.13066	130.24554	3.19890	0.1403937	0.27697254	2.3308353	21	6 18.1	20.3
203483 2002 AK_{52}	16.7	X	209.71522	302.51631	128.53673	4.74069	0.1199405	0.27683096	2.3316299	21	6 23.9	20.2
203484 2002 AB_{54}	17.3	X	137.13211	208.04099	276.26696	2.40086	0.1075050	0.27393385	2.3480405	21	6 15.7	20.3
203485 2002 AZ_{61}	17.6	X	181.98379	216.00513	245.18430	0.65194	0.1499465	0.27532723	2.3401118	21	7 4.6	21.3
203486 2002 AR_{64}	16.3	X	180.48164	111.14462	277.54588	5.64600	0.1330520	0.26585864	2.3953494	21	3 26.6	20.1
203487 2002 AH_{65}	16.9	X	193.56871	273.87129	139.83845	5.41150	0.2443604	0.27287826	2.3540920	21	5 15.9	21.1
203488 2002 AL_{73}	16.8	X	281.72533	310.74993	81.84538	6.37915	0.1696330	0.28465706	2.2886958	21	7 23.9	19.5
203489 2002 AL_{80}	16.5	X	324.58369	32.10144	318.19476	4.06879	0.1805568	0.28497129	2.2870130	21	8 4.7	17.9
203490 2002 AB_{87}	17.0	X	179.61967	268.51892	194.72084	3.57804	0.1353830	0.27685244	2.3315093	21	7 4.6	20.6
203491 2002 AM_{91}	16.6	X	92.66722	235.05613	256.16400	4.23650	0.0879466	0.26670398	2.3902852	21	4 23.9	19.5
203492 2002 AC_{97}	16.5	X	237.81277	272.71701	100.52473	6.02657	0.1402541	0.27448003	2.3449246	21	5 7.9	19.9
203493 2002 AV_{97}	16.3	X	136.41519	357.39137	85.99833	6.25970	0.0905360	0.26857467	2.3791729	21	4 20.7	19.5
203494 2002 AO_{98}	16.6	X	239.10809	62.22211	317.14452	5.24065	0.1659735	0.27575067	2.3377156	21	5 11.3	20.2
203495 2002 AW_{101}	16.8	X	136.90138	68.50002	78.55210	2.39664	0.0759812	0.27623225	2.3349977	21	7 14.6	20.0
203496 2002 AW_{102}	16.9	X	158.21351	100.01485	329.93725	6.18636	0.0875964	0.26946397	2.3739355	21	4 22.5	20.3
203497 2002 AE_{107}	16.6	X	36.81684	38.11987	107.56095	4.59362	0.1657668	0.26086047	2.4258496	21	2 16.3	18.5
203498 2002 AV_{109}	16.8	X	79.70328	23.23800	122.52079	2.83453	0.1337641	0.26668646	2.3903899	21	5 5.4	19.5
203499 2002 AU_{111}	16.6	X	131.67594	352.66437	111.02118	7.64535	0.0612779	0.26911335	2.3759970	21	5 8.9	19.8
203500 2002 AK_{116}	16.4	X	196.02157	271.77120	94.73461	5.44793	0.2495646	0.26767297	2.3845131	21	3 22.0	20.5
203501 2002 AO_{121}	16.0	X	215.55766	276.26880	117.03620	7.43686	0.1124482	0.27183879	2.3600893	21	5 13.2	19.5
203502 2002 AW_{122}	16.2	X	184.43086	342.70263	106.32605	4.92675	0.2072563	0.27538822	2.3397663	21	6 20.9	20.0
203503 2002 AL_{126}	17.1	X	356.76390	337.99595	217.28355	2.83411	0.1403819	0.26176954	2.4202300	21	2 9.9	19.6
203504 2002 AS_{126}	16.4	X	50.96859	141.21559	129.13213	5.18755	0.2110530	0.28063411	2.3105165	21	10 7.3	19.1
203505 2002 AN_{130}	16.8	X	199.63161	42.78201	59.28904	4.21932	0.1091933	0.27854622	2.3220480	21	7 26.9	20.1
203506 2002 AQ_{130}	16.8	X	83.29507	88.75950	99.98180	9.37937	0.1368510	0.27177342	2.3604677	21	7 12.2	19.7
203507 2002 AY_{141}	17.3	X	45.07452	12.07919	163.73434	2.41862	0.1422792	0.26654051	2.3912624	21	4 19.2	19.3
203508 2002 AK_{142}	17.5	X	230.39781	206.89950	196.67253	0.83414	0.1449996	0.27805246	2.3247962	21	6 7.3	20.7
203509 2002 AZ_{154}	16.2	X	79.39858	46.01542	122.85664	5.69399	0.1617410	0.26725032	2.3870264	21	6 12.1	19.0
203510 2002 AG_{155}	15.9	X	212.67243	74.38888	340.06936	9.82373	0.2138639	0.27446091	2.3450335	21	5 29.4	19.9
203511 2002 AX_{156}	16.9	X	133.41714	351.59064	218.27817	2.58981	0.1840134	0.28082020	2.3094957	21	10 9.0	20.6
203512 2002 AB_{160}	16.6	X	114.54305	337.80709	230.73792	1.83892	0.2265696	0.27690142	2.3312343	21	9 22.2	20.4
203513 2002 AM_{162}	17.6	X	167.62473	170.06401	273.99713	0.94606	0.2055416	0.27251070	2.3562083	21	5 30.6	21.4
203514 2002 AD_{164}	17.0	X	12.94682	309.90707	219.84400	3.24280	0.1291795	0.25871161	2.4392638	21	2 3.9	19.6
203515 2002 AJ_{164}	16.2	X	178.13081	131.75495	251.94211	3.15009	0.2374381	0.26617766	2.3934351	21	3 24.5	20.3
203516 2002 AM_{165}	16.7	X	191.52334	13.30031	146.26128	3.17223	0.0617278	0.28344055	2.2952398	21	10 8.2	19.6
203517 2002 AP_{167}	16.2	X	70.47903	0.16526	149.32074	11.57053	0.1194004	0.26331378	2.4107582	21	4 27.2	19.1
203518 2002 AC_{174}	17.3	X	109.39460	118.47720	59.71059	2.02900	0.1468519	0.27433450	2.3457538	21	8 1.8	20.6
203519 2002 AN_{179}	17.1	X	222.65945	182.98476	316.23485	1.20085	0.1656330	0.28493080	2.2872297	21	10 4.6	20.1
203520 2002 AO_{179}	16.4	X	83.62965	33.45484	129.47013	4.42269	0.0983990	0.26787983	2.3832853	21	5 30.3	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
203521 2002 AP_{183}	16.6	X	122.85477	285.52351	292.33318	6.01723	0.0699167	0.28554567	2.2839451	21	9 30.2	19.8
203522 2002 AL_{185}	17.2	X	264.13253	291.98512	101.30561	5.97831	0.1695884	0.28178973	2.3041953	21	6 29.2	20.1
203523 2002 AS_{208}	17.0	X	180.54514	113.89091	307.54131	4.23332	0.1052967	0.27168094	2.3610034	21	5 8.7	20.4
203524 2002 BF_{8}	16.4	X	48.57283	85.26372	106.41300	4.89880	0.1112824	0.26699106	2.3885714	21	5 17.7	18.8
203525 2002 BV_{11}	15.9	X	47.84434	68.72280	100.22048	8.32076	0.1082365	0.26310002	2.4120638	21	4 15.2	18.5
203526 2002 BP_{14}	16.8	X	150.03981	241.80701	248.61379	2.25524	0.1539792	0.27360768	2.3499062	21	7 11.5	20.4
203527 2002 BT_{19}	16.9	X	222.38971	282.80564	152.61397	3.44187	0.1361727	0.27948394	2.3168512	21	7 12.3	20.3
203528 2002 BV_{19}	16.8	X	207.76772	33.73999	150.48210	6.01115	0.0289428	0.29092270	2.2557154	21	12 6.9	19.6
203529 2002 BL_{22}	16.9	X	191.61268	263.71751	195.28199	2.18580	0.1172043	0.27677063	2.3319687	21	7 11.9	20.3
203530 2002 BV_{27}	16.5	X	192.80355	22.45267	72.11828	7.09214	0.0979496	0.27698689	2.3307547	21	7 8.5	19.8
203531 2002 CB_{9}	16.2	X	223.52257	162.88844	132.67099	7.09261	0.1106166	0.25562361	2.4588691	21	1 15.5	20.0
203532 2002 CU_{12}	17.0	X	107.72412	344.13428	164.33173	4.36942	0.2490724	0.27013496	2.3700028	21	7 1.2	20.5
203533 2002 CL_{16}	16.7	X	170.13669	218.24186	306.02725	8.81210	0.1160509	0.28435272	2.2903286	21	9 11.8	20.2
203534 2002 CR_{16}	16.2	X	290.25299	32.13317	326.74608	6.32280	0.1414820	0.28029591	2.3123747	21	6 20.4	18.9
203535 2002 CW_{21}	16.8	X	225.62722	289.38128	129.25820	3.37298	0.1520159	0.27649753	2.3335040	21	6 22.0	20.3
203536 2002 CB_{22}	16.4	X	256.67977	97.37299	323.59131	6.37980	0.1026484	0.28011772	2.3133552	21	8 8.8	19.2
203537 2002 CG_{28}	16.0	X	211.08551	54.58360	1.66048	7.01603	0.1113221	0.27506786	2.3415826	21	6 4.3	19.6
203538 2002 CK_{38}	17.1	X	107.17021	86.52719	100.66907	3.13865	0.1685345	0.27336912	2.3512731	21	8 14.1	20.3
203539 2002 CZ_{40}	17.0	X	99.27891	283.79428	206.97633	8.07899	0.1680122	0.26711131	2.3878545	21	5 18.0	20.0
203540 2002 CY_{47}	17.0	X	214.70802	279.16788	128.62820	2.31546	0.1989164	0.27548841	2.3391989	21	5 25.7	20.9
203541 2002 CM_{48}	16.6	X	97.18571	271.75226	220.04415	7.29133	0.1022099	0.26708135	2.3880331	21	5 5.2	19.5
203542 2002 CW_{52}	17.3	X	244.96576	345.47259	160.14605	0.83804	0.1466015	0.29062653	2.2572476	21	11 15.1	19.7
203543 2002 CT_{59}	16.5	X	186.77836	115.01609	357.66453	5.24415	0.1837411	0.27568673	2.3380770	21	7 25.6	20.2
203544 2002 CH_{66}	16.3	X	41.51172	159.78403	126.42273	6.81044	0.1106298	0.28149136	2.3058232	21	9 29.9	18.9
203545 2002 CJ_{67}	17.4	X	231.90804	357.44245	89.60106	1.70909	0.1074094	0.28129561	2.3068928	21	8 12.8	20.5
203546 2002 CK_{72}	16.3	X	279.65403	180.47194	131.45847	6.52648	0.1256721	0.26682730	2.3895486	21	4 6.5	19.5
203547 2002 CY_{72}	17.6	X	230.56099	91.30996	351.80003	2.47365	0.1568271	0.28041544	2.3117175	21	7 31.1	20.9
203548 2002 CS_{73}	16.6	X	30.46502	53.13626	124.07014	6.66814	0.0703814	0.26290196	2.4132751	21	3 24.1	19.3
203549 2002 CM_{75}	16.9	X	174.50315	41.44018	4.95260	3.12523	0.1813024	0.26843142	2.3800193	21	4 17.0	20.5
203550 2002 CE_{76}	16.7	X	162.83317	109.40844	331.71564	4.40002	0.1330805	0.27031882	2.3689280	21	5 17.5	20.2
203551 2002 CS_{79}	17.1	X	85.89145	43.37696	131.02718	1.85827	0.1273604	0.26925024	2.3751916	21	6 23.3	20.0
203552 2002 CD_{82}	17.3	X	162.89804	315.23381	136.89763	1.77754	0.1516209	0.27109438	2.3644077	21	6 3.9	21.0
203553 2002 CW_{86}	16.7	X	289.00007	300.87019	318.16920	4.72747	0.0762534	0.25972209	2.4329328	21	2 11.4	19.9
203554 2002 CD_{90}	17.1	X	136.87614	122.01901	359.95815	1.54464	0.1296200	0.27064436	2.3670280	21	6 14.3	20.5
203555 2002 CZ_{94}	17.2	X	56.26243	80.26382	121.57437	2.17280	0.1323072	0.26751364	2.3854597	21	6 18.0	19.6
203556 2002 CK_{98}	16.4	X	71.64785	53.76673	140.22584	3.01692	0.1492127	0.26834679	2.3805197	21	7 4.4	19.2
203557 2002 CV_{99}	17.3	X	102.56369	138.54501	40.21672	2.62512	0.1166828	0.27105895	2.3646138	21	7 21.3	20.4
203558 2002 CA_{101}	17.2	X	175.70648	348.51157	125.57789	3.19012	0.1519971	0.27434152	2.3457138	21	7 15.5	20.6
203559 2002 CJ_{113}	17.0	X	238.47716	301.85736	95.85116	8.63434	0.1284993	0.27673617	2.3321623	21	6 10.2	20.3
203560 2002 CV_{113}	16.5	X	173.46222	11.20168	61.39165	6.42932	0.0972917	0.27034911	2.3687511	21	5 17.4	19.7
203561 2002 CC_{119}	17.2	X	136.95127	277.84002	289.34429	1.65181	0.1657153	0.28186355	2.3037929	21	10 8.0	20.8
203562 2002 CM_{119}	16.5	X	172.04914	58.60750	136.65595	7.47240	0.0432861	0.28658095	2.2784413	21	11 5.3	19.5
203563 2002 CV_{119}	16.8	X	11.65847	326.87165	218.13254	2.45372	0.1740087	0.26100033	2.4249829	21	2 19.1	18.9
203564 2002 CO_{120}	17.2	X	47.79443	322.54845	150.48834	1.85466	0.1271900	0.25897766	2.4375929	21	1 18.9	19.4
203565 2002 CR_{122}	17.1	X	9.87623	342.83007	198.36246	0.54186	0.1216802	0.26054965	2.4277785	21	2 16.5	19.3
203566 2002 CS_{134}	16.8	X	136.56638	69.40735	167.30112	4.50559	0.2414203	0.27977147	2.3152635	21	11 16.5	20.7
203567 2002 CB_{145}	16.6	X	115.50657	20.58111	159.56507	7.93012	0.1253711	0.27304941	2.3531082	21	8 7.4	19.9
203568 2002 CL_{150}	16.2	X	210.52657	177.23072	112.41356	4.68447	0.1932606	0.25135742	2.4866132	21	—	—
203569 2002 CY_{151}	17.1	X	90.80066	129.99961	56.03665	2.07888	0.1290208	0.26968468	2.3726401	21	7 17.6	20.0
203570 2002 CM_{152}	17.1	X	133.93953	82.40481	112.27101	7.24484	0.0570125	0.28039720	2.3118178	21	9 17.6	20.2
203571 2002 CK_{155}	16.4	X	42.48155	136.67337	78.68001	6.41049	0.1727895	0.26980835	2.3719150	21	6 19.6	18.4
203572 2002 CE_{167}	16.7	X	316.27095	155.58358	54.02276	4.27039	0.1062921	0.25493225	2.4633126	21	1 9.5	19.9
203573 2002 CM_{178}	17.4	X	112.70988	72.74766	66.30239	2.11586	0.1181017	0.27069711	2.3667205	21	6 7.6	20.4
203574 2002 CW_{185}	17.1	X	207.71173	24.40327	20.11501	2.99478	0.1718749	0.27297460	2.3535381	21	5 14.8	20.9
203575 2002 CN_{203}	17.3	X	88.81849	217.14880	15.79735	2.34909	0.1533648	0.27642447	2.3339151	21	9 22.3	20.5
203576 2002 CT_{203}	17.1	X	171.62100	31.63689	17.88377	2.50402	0.2181009	0.26835864	2.3804496	21	4 20.4	21.0
203577 2002 CR_{209}	16.2	X	218.95861	190.40570	114.07196	4.97286	0.0335462	0.25543666	2.4600687	21	1 21.9	19.5
203578 2002 CQ_{214}	17.2	X	66.95042	145.24357	78.98075	2.42513	0.1439115	0.27150236	2.3620385	21	8 11.2	20.0
203579 2002 CB_{217}	16.3	X	190.69275	117.43610	121.64217	4.20513	0.0433340	0.24106525	2.5568955	21	—	—
203580 2002 CG_{217}	16.8	X	57.94439	113.15277	133.04291	6.42587	0.1962807	0.27174280	2.3606450	21	9 8.5	19.5
203581 2002 CK_{222}	17.1	X	211.96163	294.96853	125.04974	2.89345	0.1982663	0.27631747	2.3345176	21	6 7.9	20.8
203582 2002 CS_{232}	16.4	X	171.43703	354.83527	87.82302	7.73688	0.0836294	0.27082463	2.3659775	21	5 28.9	19.6
203583 2002 CN_{233}	16.8	X	249.93826	150.26769	249.78230	2.63222	0.1511339	0.27766284	2.3269705	21	6 23.7	20.1
203584 2002 CV_{235}	17.2	X	16.90599	50.81418	146.50452	2.32247	0.1603631	0.26187873	2.4195572	21	3 24.9	19.2
203585 2002 CZ_{236}	16.7	X	27.53703	321.43748	217.58131	3.10936	0.1567064	0.26020052	2.4299496	21	3 17.6	18.6
203586 2002 CA_{242}	16.9	X	97.61726	242.21142	287.97649	2.30722	0.1359087	0.26897311	2.3768228	21	7 4.8	20.1
203587 2002 CK_{246}	17.5	X	217.57464	350.50065	52.98450	1.45035	0.2038112	0.27272925	2.3549493	21	5 22.0	21.3
203588 2002 CZ_{252}	16.5	X	209.81510	237.97566	204.90487	4.74703	0.1064229	0.27700661	2.3306441	21	7 10.1	19.9
203589 2002 CE_{254}	17.0	X	214.51892	305.56351	111.98524	6.00591	0.1654028	0.27531744	2.3401672	21	6 8.9	20.6
203590 2002 CC_{275}	16.7	X	24.45988	275.40039	146.77422	1.41646	0.0999402	0.24671067	2.5177393	21	—	—
203591 2002 CL_{277}	17.5	X	104.34853	311.32425	209.32443	1.51743	0.1347979	0.27039752	2.3684683	21	6 29.7	20.6
203592 2002 CQ_{278}	16.1	X	207.79073	346.50766	320.65946	5.26033	0.1217614	0.25537396	2.4604713	21	1 15.5	19.9
203593 2002 CG_{283}	16.7	X	208.14029	259.61856	160.99219	3.54838	0.1624734	0.27289732	2.3539823	21	6 6.8	20.3
203594 2002 CQ_{287}	16.5	X	322.44349	80.74502	139.55990	3.92626	0.0782823	0.26046309	2.4283163	21	2 3.1	19.6
203595 2002 CK_{292}	17.2	X	124.61223	254.28066	302.57654	1.57471	0.1087995	0.27910971	2.3189217	21	9 8.9	20.4
203596 2002 CE_{299}	17.0	X	101.06348	158.91333	58.32602	2.14000	0.1156913	0.27822274	2.3238476	21	9 11.7	20.2
203597 2002 CA_{301}	17.3	X	352.50481	300.42428	257.58069	0.79379	0.1294833	0.25802525	2.4435876	21	2 9.9	19.9
203598 2002 CE_{310}	16.6	X	130.73422	274.91087	177.95117	4.65926	0.0907642	0.26622001	2.3931812	21	4 25.1	19.8
203599 2002 CB_{311}	17.1	X	89.97749	57.45317	139.28895	4.86205	0.0845623	0.27190969	2.3596790	21	7 24.1	20.1
203600 2002 CN_{314}	16.5	X	351.34197	146.22252	120.25061	7.23463	0.1263972	0.26784792	2.3834746	21	5 23.2	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
203601 2002 DR_1	16.7	X	172.54225	320.14355	146.80438	2.80883	0.1432607	0.27291152	2.3539007	21	7 2.7	20.3
203602 Danjoyce	16.9	X	149.65809	82.84867	31.20679	8.90352	0.1540695	0.27098881	2.3650218	21	6 18.9	20.6
203603 2002 EJ_2	17.3	X	200.98772	278.92582	199.83811	0.78851	0.0755483	0.27694385	2.3309962	21	8 21.3	20.5
203604 2002 EJ_{21}	17.1	X	80.53671	283.92006	231.22541	4.03587	0.1637783	0.26478798	2.4018020	21	5 24.8	19.9
203605 2002 EW_{24}	17.5	X	149.55949	119.71777	5.61903	2.30429	0.1539266	0.27125581	2.3634696	21	7 4.8	21.2
203606 2002 EG_{28}	16.4	X	74.28428	349.82470	164.81963	1.76484	0.1091390	0.26313965	2.4118217	21	5 5.4	19.2
203607 2002 EA_{54}	16.9	X	121.51319	235.34493	236.47536	0.55087	0.0614807	0.26483685	2.4015065	21	5 4.1	20.0
203608 2002 EV_{58}	16.6	X	357.41721	297.46490	321.05800	5.23722	0.0834681	0.26684473	2.3894446	21	5 21.5	19.2
203609 2002 EW_{65}	17.1	X	170.01424	243.66131	268.76369	1.79903	0.1746393	0.27670898	2.3323151	21	8 28.9	20.8
203610 2002 EC_{67}	16.9	X	93.05442	235.31313	304.21367	1.93530	0.0885799	0.26869285	2.3784753	21	7 4.7	19.9
203611 2002 EP_{67}	16.7	X	227.27416	266.90776	222.95974	2.21485	0.1456066	0.28223043	2.3017960	21	9 29.4	19.8
203612 2002 EG_{78}	16.9	X	165.94236	74.51716	182.53944	2.29514	0.1557251	0.23453640	2.6041293	21	12 29.3	21.1
203613 2002 EF_{81}	17.3	X	197.31078	229.20884	206.00154	1.74345	0.2121412	0.27357645	2.3500850	21	6 14.1	21.3
203614 2002 EL_{88}	16.6	X	71.86561	59.40786	88.60831	3.43647	0.1090133	0.26116933	2.4239366	21	4 22.9	19.3
203615 2002 EA_{91}	16.8	X	151.24441	325.67884	116.02067	2.94434	0.1299406	0.26568359	2.3964014	21	5 8.4	20.2
203616 2002 EM_{97}	16.3	X	1.86164	290.02299	243.10847	5.53692	0.1720101	0.25665667	2.4522666	21	1 14.9	18.9
203617 2002 EM_{108}	17.9	X	80.93407	80.80516	54.62774	1.36690	0.1512040	0.26369854	2.4084127	21	4 24.5	20.6
203618 2002 EX_{115}	16.0	X	335.02770	180.01768	61.78169	7.12510	0.0693266	0.25916493	2.4364185	21	3 28.3	18.9
203619 2002 EO_{120}	17.1	X	189.00780	73.63095	342.95526	4.47220	0.2203162	0.27050893	2.3678180	21	5 12.7	21.2
203620 2002 EU_{125}	16.5	X	358.08515	204.80321	38.36635	3.87524	0.0885088	0.26529446	2.3987442	21	4 30.5	18.9
203621 2002 EB_{129}	17.1	X	30.30617	262.60773	346.17346	1.06982	0.1464595	0.26906969	2.3762540	21	7 15.3	19.0
203622 2002 EP_{129}	16.6	X	246.15181	332.46485	264.88272	3.24148	0.1800083	0.24510057	2.5287535	21	—	—
203623 2002 FU	16.7	X	69.14533	158.85797	17.27478	2.02316	0.1383055	0.26429294	2.4048003	21	6 1.7	19.3
203624 2002 FZ_3	15.9	X	306.36191	165.16622	80.22595	7.54777	0.0838951	0.25613571	2.4555906	21	2 18.3	19.1
203625 2002 FH_{13}	16.4	X	44.76257	179.41205	29.70501	2.77585	0.1399023	0.26393531	2.4069721	21	6 9.0	18.7
203626 2002 FQ_{16}	16.6	X	146.08139	41.20292	88.69124	7.56766	0.1699367	0.26942270	2.3741779	21	7 8.2	20.2
203627 2002 FC_{20}	16.0	X	133.56425	195.73409	306.85232	7.92217	0.0572200	0.27030746	2.3689943	21	7 2.5	19.2
203628 2002 FP_{22}	16.4	X	110.35842	82.94831	65.50620	10.89231	0.1577009	0.26709907	2.3879275	21	6 22.8	19.8
203629 2002 FP_{25}	15.9	X	336.96956	158.41425	99.37548	16.30426	0.1642973	0.26172722	2.4204909	21	4 15.4	18.9
203630 2002 FR_{27}	16.0	X	312.24485	53.31065	71.75067	6.09853	0.0233520	0.24362250	2.5389712	21	—	—
203631 2002 FF_{29}	16.3	X	316.31048	197.62407	49.16179	7.14223	0.0814285	0.25838623	2.4413112	21	3 6.3	19.4
203632 2002 FN_{38}	17.0	X	311.98079	183.54101	63.37399	4.50009	0.0908120	0.25731857	2.4480594	21	2 25.7	20.1
203633 2002 FO_{38}	17.3	X	144.02528	24.71786	106.04647	3.83482	0.1760460	0.27111114	2.3643103	21	7 7.5	20.8
203634 2002 GH_3	16.6	X	281.86607	321.13379	38.65559	23.19191	0.0541566	0.36979709	1.9223261	21	6 17.2	18.9
203635 2002 GK_{24}	17.3	X	142.84606	274.99185	191.10685	1.14437	0.0857284	0.26647935	2.3916283	21	5 26.7	20.4
203636 2002 GZ_{41}	16.8	X	3.99746	247.08888	356.91885	1.49648	0.1803326	0.26197338	2.4189744	21	5 7.9	18.5
203637 2002 GY_{44}	17.2	X	353.91648	256.30170	348.71909	0.99635	0.1481668	0.26038109	2.4288261	21	4 20.3	19.4
203638 2002 GL_{45}	16.8	X	77.48746	183.21664	3.26613	1.36162	0.1301152	0.26569706	2.3963204	21	6 29.2	19.6
203639 2002 GK_{70}	16.4	X	291.71623	198.43948	63.91712	5.34214	0.0740030	0.25338772	2.4733126	21	2 23.4	19.8
203640 2002 GT_{77}	16.2	X	244.13147	142.80311	104.69031	6.37248	0.0452035	0.24678664	2.5172226	21	—	—
203641 2002 GZ_{81}	16.0	X	201.20212	195.90688	68.46841	6.35121	0.0937064	0.24112977	2.5564394	21	—	—
203642 2002 GR_{83}	16.7	X	183.83689	309.90546	158.06424	6.81727	0.0966585	0.26978103	2.3720751	21	7 15.4	20.1
203643 2002 GK_{96}	17.2	X	345.08588	299.72503	307.42657	1.31729	0.1891997	0.25844283	2.4409547	21	3 31.1	19.4
203644 2002 GC_{99}	17.1	X	2.71486	335.44234	250.94294	1.78659	0.1328454	0.26033345	2.4291224	21	4 10.1	19.3
203645 2002 GF_{99}	15.3	X	99.28123	160.23159	205.22987	13.07163	0.1104783	0.24325904	2.5414997	21	—	—
203646 2002 GL_{100}	17.2	X	24.03227	107.62192	61.83706	3.60369	0.1342013	0.25699023	2.4501442	21	2 28.4	19.4
203647 2002 GS_{116}	16.7	X	284.58253	177.64215	84.87727	5.62894	0.0544383	0.25326390	2.4741187	21	2 16.9	20.0
203648 2002 GQ_{123}	16.7	X	127.03059	24.18696	114.26419	3.36885	0.1198070	0.26733413	2.3865275	21	6 24.8	20.1
203649 2002 GQ_{142}	17.0	X	15.67685	339.11265	230.67411	0.49837	0.1297685	0.25807147	2.4432958	21	4 11.7	19.2
203650 2002 GV_{159}	16.1	X	141.00116	130.64518	90.69699	3.72301	0.0489060	0.22753517	2.6572782	21	10 23.5	19.8
203651 2002 GK_{163}	16.9	X	152.26806	75.46331	44.39470	2.59112	0.1464203	0.26979935	2.3719678	21	6 29.6	20.4
203652 2002 GS_{164}	16.7	X	213.87316	345.81248	147.55541	3.03435	0.0931592	0.27729275	2.3290405	21	9 25.7	19.7
203653 2002 GR_{171}	17.1	X	51.58936	85.76850	116.04528	2.28908	0.1255885	0.26439745	2.4041665	21	6 8.8	19.5
203654 2002 GW_{175}	16.0	X	123.87352	214.68514	97.46970	7.91836	0.0750685	0.23740686	2.5830959	21	—	—
203655 2002 HO_{15}	16.7	X	129.00950	341.47772	131.32875	1.94365	0.1356659	0.26495670	2.4007823	21	5 25.2	20.1
203656 2002 JL_{14}	16.3	X	161.46553	342.44102	155.15171	7.30343	0.1177589	0.27074209	2.3664584	21	7 31.0	19.8
203657 2002 JP_{15}	16.3	X	323.04237	139.50633	104.02276	7.33666	0.0952762	0.25431746	2.4672809	21	3 9.4	19.4
203658 2002 JX_{16}	16.5	X	233.01414	171.52941	72.71270	7.38189	0.1729675	0.24255963	2.5463828	21	—	—
203659 2002 JF_{18}	16.3	X	203.33760	308.64184	226.89479	13.06617	0.1231002	0.22952850	2.6418711	21	10 28.5	20.3
203660 2002 JG_{20}	16.1	X	38.25211	29.47893	129.51874	7.53193	0.0874496	0.25504944	2.4625580	21	3 12.2	18.7
203661 2002 JY_{44}	16.5	X	205.72758	237.69089	357.73646	1.81303	0.1018617	0.23747212	2.5826227	21	—	—
203662 2002 JZ_{63}	16.2	X	300.87117	321.10772	233.22738	7.86446	0.1721411	0.24387834	2.5371953	21	—	—
203663 2002 JH_{64}	16.9	X	137.29372	9.20557	217.69939	2.98757	0.1990380	0.27662281	2.3327994	21	11 3.2	20.5
203664 2002 JY_{73}	15.9	X	73.93204	42.09675	112.50445	10.12303	0.2090922	0.25858826	2.4400395	21	5 24.6	18.8
203665 2002 JZ_{73}	15.8	X	99.48688	212.14936	95.63804	15.92407	0.2195503	0.22646180	2.6656681	21	—	—
203666 2002 JU_{77}	16.2	X	15.15091	185.15955	32.54584	7.12346	0.0865567	0.26029704	2.4293489	21	4 23.4	18.7
203667 2002 JW_{88}	16.5	X	235.28451	348.02807	221.91077	8.25436	0.1051449	0.23814327	2.5777681	21	—	—
203668 2002 JQ_{104}	15.8	X	30.90478	42.53476	248.69535	8.21290	0.1249030	0.21684453	2.7439134	21	9 6.5	19.2
203669 2002 JG_{115}	15.9	X	250.06445	148.77110	115.80629	15.98776	0.1837319	0.24336574	2.5407568	21	1 3.3	20.1
203670 2002 JH_{120}	16.1	X	208.95783	104.14890	111.02531	4.92667	0.0860006	0.23349104	2.6118962	21	12 28.2	19.8
203671 2002 JN_{123}	16.0	X	296.91467	22.76605	97.04608	12.65815	0.0253321	0.23435708	2.6054575	21	12 28.9	19.3
203672 2002 JF_{136}	17.1	X	61.45491	305.51561	214.15946	0.97724	0.1347438	0.25877204	2.4388841	21	4 24.9	19.7
203673 2002 JF_{146}	16.2	X	231.10346	159.88946	114.33212	16.00866	0.1033688	0.24334919	2.5408719	21	—	—
203674 2002 JM_{147}	16.9	X	67.78752	26.20252	163.33269	1.86644	0.1711239	0.26261534	2.4150307	21	6 25.7	19.5
203675 2002 LH	16.0	X	241.42160	146.53793	112.69029	9.55262	0.0788109	0.24247294	2.5469897	21	—	—
203676 2002 LP_6	15.7	X	49.09529	224.17957	97.90824	13.84129	0.0697738	0.22330158	2.6907593	21	11 14.9	19.5
203677 2002 LB_8	15.9	X	180.85187	343.80674	235.70807	10.94864	0.0654145	0.23032464	2.6357798	21	12 3.6	19.6
203678 2002 LP_{43}	15.0	X	183.09811	172.41903	169.90090	14.01861	0.2812168	0.18464487	3.0542966	21	2 16.6	20.5
203679 2002 MK	17.2	X	20.97937	288.64697	119.67546	22.68900	0.0933403	0.38723928	1.8641597	21	—	—
203680 2002 NU_5	16.3	X	60.60731	216.07917	137.90962	3.20031	0.1065630	0.22325779	2.6911111	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
203681 2002 NX_{11}	15.4	X	342.50232	60.85796	286.81345	6.26232	0.2420628	0.21002412	2.8030011	21	8 28.9	17.8
203682 2002 NN_{13}	15.5	X	26.09283	207.95774	120.75273	13.97085	0.1833913	0.21462237	2.7628209	21	11 8.0	19.1
203683 2002 NJ_{18}	16.1	X	151.92637	192.18603	134.78547	15.15991	0.1609336	0.23275785	2.6173783	21	—	—
203684 2002 NM_{25}	15.3	X	50.88600	23.10795	297.39826	7.13235	0.2184737	0.21573603	2.7533046	21	11 29.8	19.2
203685 2002 NT_{35}	15.9	X	167.73731	208.23415	170.23233	8.79404	0.1623483	0.23982163	2.5657272	21	3 8.8	19.8
203686 2002 NQ_{38}	15.3	X	351.78116	216.42054	305.95197	28.36217	0.1496521	0.23930093	2.5694478	21	—	—
203687 2002 ND_{39}	14.7	X	199.04487	113.70390	281.00440	23.56313	0.1004306	0.19344830	2.9609161	21	4 23.2	19.8
203688 2002 NF_{39}	14.6	X	120.48659	125.21734	241.32704	13.51150	0.1992667	0.17746533	3.1361275	21	1 16.4	19.4
203689 2002 NN_{49}	15.6	X	77.80647	201.17313	128.99430	8.54606	0.1624466	0.22184733	2.7025054	21	—	—
203690 2002 NK_{53}	16.3	X	352.97209	235.90554	121.88157	5.19279	0.2149996	0.21178996	2.7873990	21	10 16.7	18.8
203691 2002 NV_{53}	16.2	X	189.91534	318.96698	283.18452	3.58544	0.1171425	0.22884099	2.6471598	21	—	—
203692 2002 NK_{59}	15.7	X	13.53769	233.63067	125.05770	10.19931	0.1769431	0.21385049	2.7694650	21	11 23.7	19.0
203693 2002 NU_{63}	16.8	X	239.70563	119.19183	85.29957	3.89685	0.0265535	0.22952223	2.6419193	21	—	—
203694 2002 ND_{66}	15.6	X	12.18535	60.55434	300.11727	10.31528	0.1728156	0.21636025	2.7480064	21	11 18.5	18.9
203695 2002 NK_{66}	16.7	X	9.50930	290.16275	84.08271	2.75360	0.1112863	0.21849778	2.7300548	21	11 27.4	19.9
203696 2002 OJ_{9}	15.9	X	10.32290	130.12916	215.86159	3.95985	0.0847078	0.21345893	2.7728508	21	10 17.5	19.2
203697 2002 OV_{12}	15.5	X	183.06758	346.43621	296.21989	13.27966	0.2118039	0.23016092	2.6370295	21	—	—
203698 2002 OT_{21}	15.9	X	141.23791	316.04873	300.93223	6.37557	0.0605062	0.22171701	2.7035643	21	12 4.3	19.9
203699 2002 OE_{29}	16.5	X	223.38193	118.37789	123.27126	6.14548	0.0694757	0.23182423	2.6244009	21	—	—
203700 2002 OG_{31}	16.3	X	206.50047	267.21755	93.51407	1.10280	0.2037650	0.19178949	2.9779645	21	3 26.9	21.5
203701 2002 PE_{20}	16.4	X	125.00351	78.56646	228.67059	0.98573	0.1449123	0.22611590	2.6683860	21	—	—
203702 2002 PV_{28}	16.0	X	344.89555	125.62809	256.12591	2.35061	0.0845524	0.21415722	2.7668200	21	10 25.3	19.2
203703 2002 PS_{33}	16.2	X	179.32165	99.22232	142.20745	4.23961	0.1241732	0.22370073	2.6875576	21	12 23.3	20.3
203704 2002 PX_{34}	16.5	X	317.45586	159.57233	250.42833	3.03225	0.0677548	0.21389940	2.7690428	21	10 20.3	20.0
203705 2002 PG_{35}	16.5	X	347.22076	64.45689	309.75091	3.77264	0.0840621	0.21370295	2.7707395	21	10 17.5	19.8
203706 2002 PG_{81}	15.7	X	300.65059	126.07939	269.32857	10.96214	0.0358792	0.21098471	2.7944868	21	9 3.7	19.6
203707 2002 PP_{94}	15.2	X	237.64165	221.23992	119.70359	11.88640	0.1952970	0.19213932	2.9743487	21	4 2.9	20.3
203708 2002 PG_{115}	16.3	X	173.60472	241.24028	160.53795	2.75798	0.0972774	0.19038952	2.9925450	21	4 14.3	20.9
203709 2002 PS_{122}	15.9	X	253.36772	339.13674	266.53993	6.50261	0.2676469	0.23709073	2.5853916	21	—	—
203710 2002 PJ_{133}	16.3	X	216.48150	353.65291	280.69686	3.31192	0.1846898	0.23505965	2.6002633	21	—	—
203711 2002 PQ_{141}	15.0	X	102.45992	68.55513	319.37258	24.78670	0.2642044	0.17424537	3.1746453	21	2 4.5	19.6
203712 2002 PF_{159}	16.2	X	62.89732	221.79173	61.96243	0.62798	0.0379489	0.21280356	2.7785409	21	10 3.8	19.7
203713 2002 PJ_{163}	16.3	X	293.84781	261.78487	133.05927	6.01236	0.1283299	0.20826256	2.8187847	21	8 17.8	19.7
203714 2002 PP_{163}	16.3	X	1.74359	270.77459	127.32059	5.41225	0.1167820	0.21920539	2.7241764	21	12 17.7	19.5
203715 2002 PY_{163}	15.7	X	314.42796	282.28643	96.87222	4.37839	0.1003246	0.20971930	2.8057165	21	9 3.4	19.0
203716 2002 PA_{165}	16.4	X	58.98589	340.71354	319.58786	3.28615	0.0948996	0.21571911	2.7534486	21	10 27.1	20.1
203717 2002 PK_{172}	15.9	X	62.12324	240.99713	63.20213	3.39683	0.0609913	0.21591357	2.7517951	21	11 2.3	19.5
203718 2002 PS_{178}	15.9	X	327.44470	66.14705	306.88339	4.81022	0.0729440	0.20980773	2.8049281	21	9 13.9	19.3
203719 2002 PQ_{179}	16.1	X	181.88377	253.13744	93.01110	1.08409	0.2203422	0.18495684	3.0508612	21	2 19.9	21.3
203720 2002 PM_{181}	16.3	X	111.52600	246.63840	34.90870	2.98569	0.0329783	0.22008469	2.7169157	21	11 29.7	20.2
203721 2002 QP_{3}	15.7	X	309.27018	18.23072	261.03193	5.48560	0.1834221	0.19596273	2.9355336	21	3 26.4	19.8
203722 2002 QB_{11}	15.0	X	100.83296	102.48499	304.21076	24.41323	0.2922031	0.17444932	3.1721706	21	2 18.6	19.8
203723 2002 QL_{14}	15.7	X	192.27633	90.18514	286.84089	12.51217	0.2188745	0.18914136	3.0056959	21	3 27.9	21.1
203724 2002 QY_{21}	16.0	X	56.91308	132.09573	131.32032	8.39697	0.1840997	0.21178993	2.7873992	21	9 24.2	19.7
203725 2002 QV_{32}	16.1	X	237.12563	358.45585	356.09866	1.38489	0.0982744	0.19291698	2.9663501	21	4 19.9	20.5
203726 2002 QW_{35}	15.6	X	20.05194	266.83795	95.78993	4.21561	0.0693619	0.21487229	2.7606781	21	11 22.3	19.0
203727 2002 QM_{47}	15.9	X	216.73466	176.38764	107.78973	8.39766	0.3619997	0.23641574	2.5903103	21	1 1.2	20.9
203728 2002 QM_{53}	15.9	X	350.69157	1.67661	4.78953	4.09058	0.1280599	0.21137634	2.7910341	21	10 15.4	18.9
203729 2002 QR_{53}	15.7	X	277.71743	259.72201	137.60828	7.35993	0.0709717	0.20497579	2.8488374	21	8 5.9	19.4
203730 2002 QV_{55}	16.1	X	358.91317	102.43742	341.68233	13.18939	0.1727034	0.22182931	2.7026518	21	—	—
203731 2002 QE_{59}	16.0	X	347.85574	48.64976	170.92265	15.25140	0.0661343	0.24400280	2.5363324	21	3 16.3	19.1
203732 2002 QY_{59}	16.0	X	282.79810	173.69573	309.23265	12.92852	0.0783572	0.21901207	2.7257793	21	12 3.7	19.6
203733 2002 QT_{62}	16.3	X	8.70653	46.24742	317.36371	2.80172	0.0620766	0.21452990	2.7636147	21	11 4.6	19.7
203734 2002 QS_{63}	16.0	X	284.41065	309.58412	107.32667	4.59902	0.0971180	0.20860810	2.8156712	21	9 9.1	19.6
203735 2002 QH_{65}	16.7	X	288.16527	334.62269	82.25329	0.42902	0.0591688	0.20997924	2.8034004	21	9 18.1	20.3
203736 2002 QJ_{65}	16.8	X	314.78776	251.94581	129.02137	1.29587	0.0838652	0.20865785	2.8152236	21	9 6.4	20.1
203737 2002 QA_{78}	16.5	X	80.45373	182.34260	74.79845	4.33962	0.0398307	0.21133007	2.7914414	21	9 24.2	20.3
203738 2002 QB_{88}	16.2	X	244.97318	101.15941	294.63891	0.73030	0.1550080	0.19953210	2.9004198	21	6 13.6	20.7
203739 2002 QZ_{94}	15.9	X	230.45201	292.85432	86.85190	6.78844	0.0802305	0.19672263	2.9279692	21	5 16.9	20.2
203740 2002 QF_{95}	16.0	X	166.63770	92.57823	100.97908	4.66709	0.0314661	0.21376059	2.7702414	21	10 17.3	19.9
203741 2002 QM_{96}	16.4	X	310.25976	343.08422	48.79423	3.94239	0.0927083	0.21024900	2.8010020	21	9 15.1	19.7
203742 2002 QH_{111}	15.9	X	327.05555	242.45851	150.49538	12.00316	0.0498836	0.21387027	2.7692943	21	10 17.9	19.5
203743 2002 QR_{119}	16.5	X	272.33287	125.35640	336.03554	2.45263	0.0385940	0.21474082	2.7618048	21	10 26.9	20.1
203744 2002 QR_{123}	16.1	X	36.34213	212.45954	118.08771	5.17636	0.1058296	0.21418623	2.7665701	21	11 9.7	19.7
203745 2002 RH_{23}	15.3	X	275.86672	31.74434	341.86995	7.83332	0.2274531	0.20029888	2.8930129	21	6 9.3	19.6
203746 2002 RQ_{30}	15.8	X	222.69156	75.24264	233.02610	4.31352	0.1578086	0.18507568	3.0495550	21	2 7.0	20.8
203747 2002 RN_{51}	14.8	X	159.58337	16.02677	13.35772	10.86063	0.1591335	0.18393299	3.0621724	21	3 21.7	19.7
203748 2002 RE_{55}	15.7	X	34.81035	22.98669	288.30205	4.80339	0.0911629	0.20915759	2.8107375	21	10 5.8	19.3
203749 2002 RN_{55}	15.3	X	193.00988	87.84380	331.96846	10.57850	0.1515169	0.19258511	2.9697570	21	5 22.1	20.3
203750 2002 RF_{69}	15.6	X	313.28722	164.98226	170.27845	1.82412	0.0857170	0.20132088	2.8832137	21	7 2.0	19.3
203751 2002 RA_{72}	16.3	X	356.33746	172.74483	180.53870	1.79537	0.0862690	0.21026835	2.8008302	21	10 5.6	19.5
203752 2002 RL_{96}	15.1	X	144.08224	230.34210	192.15684	16.49203	0.1096420	0.18471446	3.0535295	21	4 10.3	19.7
203753 2002 RY_{117}	15.7	X	184.48974	151.83857	218.74984	8.84758	0.1590983	0.18568409	3.0428900	21	3 17.5	20.7
203754 2002 RE_{133}	14.9	X	133.01160	246.79646	131.65369	12.70478	0.2139633	0.17886625	3.1197308	21	2 17.5	19.7
203755 2002 RL_{134}	16.0	X	58.95510	343.30368	78.72793	9.22619	0.2426965	0.22449809	2.6811902	21	—	—
203756 2002 RP_{135}	15.4	X	150.91846	332.68538	73.42411	11.52262	0.2049316	0.18446648	3.0562655	21	4 9.5	20.6
203757 2002 RS_{143}	16.3	X	343.15445	69.91352	279.96653	0.99554	0.0672354	0.20653669	2.8344659	21	9 8.4	19.8
203758 2002 RK_{153}	15.1	X	128.90273	178.74182	250.13567	8.31628	0.0780134	0.18492496	3.0512118	21	3 24.7	19.7
203759 2002 RL_{161}	16.0	X	303.93474	317.53159	29.58430	2.22121	0.0803239	0.20150238	2.8814821	21	7 5.4	19.6
203760 2002 RC_{166}	16.2	X	350.67466	355.91323	333.30787	1.23980	0.0995424	0.20542564	2.8446770	21	8 23.5	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
203761 2002 RA_{167}	16.2	X	178.13452	100.14282	303.25540	0.91302	0.1471300	0.18925810	3.0044599	21	4 21.2	21.0
203762 2002 RM_{172}	15.5	X	229.29551	257.32264	108.80597	9.67445	0.1554738	0.19328510	2.9625825	21	4 26.9	20.4
203763 2002 RE_{174}	15.6	X	68.81768	48.10675	243.58207	3.31658	0.0398006	0.21199042	2.7856415	21	10 20.7	19.5
203764 2002 RY_{195}	16.5	X	243.58996	58.60430	19.86556	1.83466	0.0360422	0.20442850	2.8539198	21	8 21.6	20.5
203765 2002 RB_{196}	15.9	X	97.75240	235.82918	10.36964	2.70893	0.0280360	0.20897525	2.8123723	21	9 27.9	19.7
203766 2002 RX_{202}	15.6	X	290.82235	91.07480	306.23904	6.90018	0.0805277	0.20400911	2.8578297	21	8 21.5	19.4
203767 2002 RP_{212}	15.4	X	142.65643	262.75750	117.37949	11.57357	0.2096622	0.17989203	3.1078599	21	3 1.5	20.5
203768 2002 RW_{216}	15.7	X	137.56605	131.08450	158.40455	4.00218	0.0520447	0.22297164	2.6934131	21	—	—
203769 2002 RL_{219}	15.7	X	280.00514	264.71772	118.13694	3.05930	0.0835698	0.20325511	2.8648930	21	7 18.9	19.5
203770 2002 RE_{222}	15.9	X	30.21990	215.82695	116.87600	6.31578	0.1731586	0.21348795	2.7725995	21	11 13.9	19.3
203771 2002 RY_{233}	15.7	X	172.97933	289.19892	169.13294	2.12322	0.0054194	0.19921776	2.9034700	21	6 19.8	19.7
203772 2002 RS_{261}	15.6	X	132.25551	105.12447	285.72571	8.95761	0.1614477	0.18174256	3.0867275	21	2 20.8	20.4
203773 Magyarics	15.9	X	273.56559	76.04639	226.11127	0.86657	0.0666730	0.18941853	3.0027631	21	3 30.9	20.1
203774 2002 SX_{4}	15.8	X	135.25958	226.29092	183.30852	9.88150	0.1341049	0.18224086	3.0810982	21	3 18.2	20.3
203775 2002 SQ_{7}	16.1	X	281.85436	166.67794	211.37845	1.94760	0.0409629	0.19939652	2.9017345	21	7 20.9	20.0
203776 2002 SG_{34}	15.2	X	23.78367	290.12900	32.83043	9.10187	0.1774174	0.20982968	2.8047324	21	10 20.3	18.4
203777 2002 SB_{38}	15.6	X	317.27160	54.70341	311.03487	5.36213	0.0717794	0.20511157	2.8475800	21	8 20.0	19.2
203778 2002 SQ_{42}	15.7	X	162.05268	170.52295	204.82704	6.00646	0.1575299	0.18232426	3.0801586	21	3 4.4	20.7
203779 2002 SK_{63}	16.5	X	2.48883	278.50309	32.00170	3.21469	0.1459113	0.20399959	2.8579186	21	8 21.1	19.6
203780 2002 SL_{71}	16.1	X	344.07863	263.06691	37.12503	2.11349	0.0531116	0.19865010	2.9089987	21	7 4.6	19.9
203781 2002 SA_{72}	16.2	X	126.10700	2.91364	47.11949	2.95001	0.0978979	0.18204631	3.0832930	21	3 6.5	20.7
203782 2002 TU	15.4	X	257.93735	242.01286	94.64863	4.00923	0.0877356	0.19165445	2.9793631	21	4 23.7	19.8
203783 2002 TZ	15.9	X	15.16633	276.96041	63.76034	4.23021	0.1139322	0.20949728	2.8076984	21	10 22.3	19.3
203784 2002 TJ_{3}	15.5	X	274.70087	299.87406	33.93917	2.97963	0.1376749	0.19321851	2.9632633	21	5 1.2	19.8
203785 2002 TE_{7}	15.9	X	296.97491	321.60828	26.04251	2.73611	0.1375579	0.19859134	2.9095725	21	6 16.8	19.6
203786 2002 TP_{11}	15.8	X	42.73820	217.71276	113.31297	4.53723	0.0931835	0.21308868	2.7760618	21	11 16.4	19.4
203787 2002 TH_{22}	16.2	X	234.91564	164.19087	210.84591	1.08933	0.2808454	0.19280154	2.9675341	21	4 30.9	21.4
203788 2002 TV_{39}	14.8	X	128.99401	307.58029	62.07414	28.07559	0.2927249	0.17347919	3.1839858	21	2 23.5	20.5
203789 2002 TN_{40}	15.0	X	121.26741	351.31590	57.85313	19.77181	0.1734230	0.17536090	3.1611677	21	3 20.1	20.1
203790 2002 TC_{48}	15.5	X	127.26226	342.20785	55.87315	5.69059	0.1490854	0.17700216	3.1415960	21	3 1.7	20.2
203791 2002 TD_{62}	16.0	X	190.34410	127.79917	290.67978	6.98943	0.1429274	0.19103501	2.9858002	21	5 19.6	20.9
203792 2002 TM_{68}	15.0	X	207.38807	89.77412	291.17313	9.31867	0.1148773	0.18977960	2.9989533	21	4 17.6	19.9
203793 2002 TE_{73}	14.8	X	142.60425	118.83214	255.65098	9.41596	0.0872617	0.17766920	3.1337279	21	2 4.9	19.7
203794 2002 TR_{83}	15.5	X	292.23878	264.09386	109.96263	6.80256	0.1395729	0.20192297	2.8774794	21	7 15.5	19.0
203795 2002 TE_{90}	16.1	X	157.51185	83.31575	311.98550	4.63390	0.3333808	0.18271972	3.0757127	21	4 1.8	21.7
203796 2002 TY_{94}	15.8	X	334.33066	51.07837	246.35255	0.92200	0.0742994	0.19746304	2.9206454	21	6 14.2	19.6
203797 2002 TH_{97}	16.2	X	329.37240	24.54772	326.33107	1.20561	0.0812018	0.20315484	2.8658356	21	8 18.6	19.6
203798 2002 TU_{101}	15.4	X	168.23880	92.47061	348.47473	9.15389	0.0735184	0.19133654	2.9826625	21	5 22.7	20.1
203799 2002 TW_{107}	15.2	X	184.31688	222.06178	126.10072	10.24192	0.0224538	0.18188015	3.0851706	21	2 18.4	19.6
203800 2002 TA_{110}	15.2	X	283.55917	275.47906	90.30111	13.60084	0.1291806	0.19860981	2.9093921	21	6 23.8	19.2
203801 2002 TN_{116}	15.5	X	59.10076	32.32159	276.93942	8.22949	0.1433832	0.21149897	2.7899551	21	11 13.8	19.4
203802 2002 TW_{116}	15.2	X	206.88448	224.86576	266.13744	9.99686	0.1727539	0.20100622	2.8862219	21	8 27.8	20.1
203803 2002 TO_{118}	15.0	X	215.10524	90.82456	248.23283	9.36532	0.1318291	0.18491509	3.0513204	21	3 5.8	20.1
203804 2002 TJ_{119}	15.7	X	149.44920	90.79145	286.57288	7.71781	0.1304037	0.17957278	3.1115424	21	2 19.9	20.6
203805 2002 TZ_{120}	15.4	X	120.15385	200.39576	240.16965	11.77706	0.2724428	0.18049321	3.1009551	21	4 22.5	20.5
203806 2002 TA_{122}	15.8	X	195.88667	319.29101	310.66143	14.06694	0.0748472	0.22783456	2.6549498	21	—	—
203807 2002 TG_{146}	15.7	X	300.45292	358.53341	329.74849	5.32357	0.0923358	0.19639771	2.9311976	21	6 2.1	19.7
203808 2002 TV_{176}	15.4	X	240.35886	74.55454	303.12142	9.40617	0.1660371	0.19239029	2.9717615	21	5 14.1	20.3
203809 2002 TT_{177}	14.9	X	241.86590	76.45470	281.59798	13.08787	0.2218604	0.19136868	2.9823285	21	4 14.6	20.2
203810 2002 TY_{190}	14.4	X	274.08735	88.94653	271.10561	15.63659	0.1676101	0.19482916	2.9469091	21	5 29.7	18.7
203811 2002 TB_{191}	15.1	X	153.24095	107.74618	278.03846	12.42591	0.2803152	0.18043773	3.1015906	21	3 12.2	20.7
203812 2002 TA_{203}	15.2	X	127.73142	256.82087	150.63239	10.78538	0.2409608	0.18019275	3.1044012	21	3 21.9	20.1
203813 2002 TL_{216}	15.2	X	195.97064	307.08247	96.85110	10.12933	0.1648247	0.18927824	3.0042467	21	5 11.3	20.2
203814 2002 TA_{235}	15.0	X	159.78736	111.72622	308.70676	13.33484	0.1554834	0.18611771	3.0381619	21	4 19.5	20.1
203815 2002 TQ_{235}	15.2	X	165.04878	114.10781	271.35760	15.07682	0.1068734	0.18247059	3.0785117	21	3 9.5	20.3
203816 2002 TB_{236}	14.6	X	166.44113	71.89341	337.27897	15.26828	0.2302829	0.18476885	3.0529302	21	4 14.8	20.1
203817 2002 TC_{236}	15.0	X	226.03386	81.39671	258.19836	14.47947	0.1458965	0.18609673	3.0383903	21	3 13.2	20.2
203818 2002 TU_{237}	14.7	X	132.95050	113.28217	252.30162	15.68247	0.2818074	0.17583475	3.1554859	21	2 2.7	20.1
203819 2002 TZ_{237}	15.2	X	143.73604	101.19020	289.33944	14.52075	0.2586505	0.18060302	3.0996980	21	3 7.9	20.6
203820 2002 TU_{261}	15.7	X	174.32363	328.62015	81.85545	3.10659	0.2070630	0.18661471	3.0327652	21	4 29.4	20.8
203821 2002 TB_{281}	14.9	X	106.72045	203.56705	225.92037	15.86975	0.2113314	0.17747713	3.1359884	21	3 17.4	19.7
203822 2002 TB_{291}	14.8	X	122.72651	97.18859	267.93368	10.02956	0.1869581	0.17253657	3.1955720	21	1 18.2	19.6
203823 Zdanavicius	16.4	X	219.29372	29.60831	53.59127	3.89538	0.0536008	0.19976557	2.8981596	21	7 26.7	20.5
203824 2002 TG_{335}	16.1	X	268.96100	185.10910	93.71199	3.36303	0.0684669	0.18442883	3.0566814	21	2 27.2	20.5
203825 2002 TT_{358}	16.4	X	181.55593	288.79106	159.29041	2.42446	0.0604115	0.19548511	2.9403132	21	6 17.8	20.7
203826 2002 TH_{382}	14.9	X	108.44153	297.49089	97.60131	17.07827	0.2214386	0.17485028	3.1673191	21	2 16.5	19.7
203827 2002 UN_{4}	14.3	X	105.04845	107.67550	299.43342	24.15349	0.0219455	0.17327468	3.1864907	21	1 25.5	18.9
203828 2002 UJ_{25}	15.0	X	70.33282	235.65595	247.31391	9.32923	0.1133628	0.18031027	3.1030522	21	3 23.1	19.2
203829 2002 UD_{29}	15.4	X	94.68700	93.82253	302.42101	12.12697	0.1763406	0.17186766	3.2038581	21	1 22.9	19.7
203830 2002 UR_{35}	15.9	X	202.62147	184.81226	174.44910	2.01145	0.2240300	0.18478299	3.0527744	21	3 22.2	21.2
203831 2002 UY_{37}	15.4	X	101.72815	65.26256	44.89412	10.10062	0.1680227	0.18106486	3.0944248	21	4 29.6	19.8
203832 2002 UW_{61}	16.2	X	244.93752	102.12965	229.60302	8.76584	0.1076889	0.19135531	2.9824674	21	3 28.4	20.8
203833 2002 VK_{22}	15.1	X	83.57755	350.33755	87.48449	13.38866	0.2501429	0.17381265	3.1799122	21	3 17.3	19.6
203834 2002 VO_{22}	15.1	X	162.93471	286.47885	76.96817	17.29454	0.2380520	0.17900270	3.1181451	21	3 6.1	20.7
203835 2002 VL_{32}	14.9	X	213.15560	278.28321	62.12747	22.88470	0.1084578	0.17940861	3.1134402	21	3 24.4	20.2
203836 2002 VZ_{44}	15.5	X	155.07041	300.87371	109.16162	6.08349	0.1824595	0.18379391	3.0637169	21	4 13.8	20.5
203837 2002 VM_{46}	15.4	X	154.70442	343.98416	77.67083	11.40887	0.1286992	0.18315194	3.0708719	21	4 25.3	20.3
203838 2002 VP_{46}	15.8	X	243.22269	237.73205	119.41786	3.40814	0.2355664	0.19019025	2.9946349	21	4 20.7	20.8
203839 2002 VP_{53}	15.3	X	126.37837	32.95072	78.04236	6.40999	0.1378615	0.18370727	3.0646801	21	5 24.0	20.0
203840 2002 VV_{53}	15.6	X	204.11797	166.08040	262.64417	3.86769	0.0864583	0.19162503	2.9796681	21	6 17.6	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
203841 2002 VC_{55}	15.8	X	118.15129	40.87379	51.15454	1.18982	0.1470690	0.18109505	3.0940809	21	4 22.6	20.4
203842 2002 VJ_{55}	15.2	X	211.54521	278.65740	109.82417	10.86368	0.1125054	0.18728530	3.0255215	21	5 9.3	20.1
203843 2002 VF_{56}	15.3	X	129.27657	56.94718	70.73234	11.93224	0.3364745	0.18377184	3.0639623	21	7 1.3	20.8
203844 2002 VW_{61}	15.3	X	183.41581	148.51450	250.37391	6.59138	0.0693152	0.18448577	3.0560524	21	4 17.9	19.9
203845 2002 VN_{62}	15.6	X	134.65437	101.97236	308.36774	4.44883	0.1729156	0.17863230	3.1224541	21	3 21.3	20.5
203846 2002 VD_{63}	15.2	X	178.94844	25.48696	341.37604	5.90932	0.2082607	0.18107844	3.0942701	21	3 12.3	20.4
203847 2002 VR_{88}	15.2	X	139.13562	52.77224	358.71801	4.17303	0.1429070	0.17887703	3.1196054	21	3 25.8	20.1
203848 2002 VF_{89}	14.8	X	45.70037	263.40349	240.94894	15.87056	0.2028387	0.17587209	3.1550393	21	3 20.8	18.6
203849 2002 VL_{96}	15.3	X	180.69687	280.89627	113.67392	7.35191	0.0564335	0.18428028	3.0583238	21	4 14.7	19.9
203850 2002 VW_{96}	15.5	X	222.62337	351.29898	70.64525	12.80115	0.0794448	0.19346431	2.9607528	21	6 29.5	20.0
203851 2002 VB_{101}	15.3	X	189.74939	115.06482	264.20179	9.04261	0.0894581	0.18365017	3.0653153	21	3 29.7	20.2
203852 2002 VJ_{103}	15.3	X	135.83501	180.08565	245.11428	9.78144	0.0752735	0.18052395	3.1006030	21	3 28.2	20.0
203853 2002 VK_{112}	15.4	X	157.00429	60.51354	337.85749	6.55269	0.1290989	0.18053833	3.1004384	21	3 24.9	20.3
203854 2002 VX_{120}	14.9	X	221.47006	66.36366	268.49378	14.76441	0.2854515	0.18373931	3.0643238	21	2 27.7	20.7
203855 2002 VW_{122}	15.3	X	159.59930	6.47053	27.29679	13.64750	0.1643289	0.18028866	3.1033001	21	3 29.1	20.3
203856 2002 VB_{124}	15.8	X	43.94807	36.41852	58.34534	1.61214	0.2537603	0.16872500	3.2435188	21	1 23.4	19.0
203857 2002 VF_{126}	14.7	X	66.95560	181.62636	266.40412	10.80613	0.1737468	0.17173608	3.2054944	21	2 11.1	18.8
203858 2002 VO_{133}	15.4	X	193.10600	152.44486	256.36162	4.94995	0.0986055	0.18599351	3.0395143	21	5 11.5	20.1
203859 2002 VC_{141}	15.6	X	111.71447	328.49675	124.54054	6.21866	0.1240852	0.17971846	3.1098606	21	4 16.6	20.2
203860 2002 VM_{141}	15.2	X	117.68255	286.64590	84.65712	25.35118	0.2939552	0.17320537	3.1873407	21	2 7.5	20.5
203861 2002 WN_{2}	15.4	X	184.19674	254.57195	115.59405	5.88145	0.1609246	0.18129805	3.0917708	21	3 22.2	20.5
203862 2002 WM_{10}	15.4	X	93.15372	304.87063	122.13309	5.46772	0.2243947	0.17308015	3.1888777	21	3 7.4	19.8
203863 2002 WV_{11}	15.1	X	178.60446	246.59752	106.44280	18.29066	0.3275412	0.17945045	3.1129562	21	3 6.1	21.0
203864 2002 WK_{18}	15.1	X	133.34539	280.72744	92.94472	26.69522	0.2283137	0.17478830	3.1680679	21	2 18.9	20.5
203865 2002 WV_{27}	13.3	X	3.17958	49.86633	215.70125	5.81906	0.0163946	0.08305391	5.2027066	21	6 18.7	20.1
203866 2002 XF	15.3	X	185.64981	265.92469	84.55398	11.62249	0.0825972	0.17651500	3.1473737	21	3 1.3	20.3
203867 2002 XZ	15.1	X	93.82540	244.83508	249.64955	14.17648	0.0878398	0.18314112	3.0709929	21	5 7.3	19.4
203868 2002 XO_{17}	14.6	X	1.96346	269.20484	288.22321	16.58748	0.0581968	0.17706752	3.1408229	21	3 9.3	19.1
203869 2002 XZ_{20}	15.4	X	195.92862	71.31347	276.36053	8.67754	0.2077401	0.18111544	3.0938486	21	2 28.1	20.8
203870 2002 XF_{21}	14.8	X	77.99077	248.42911	271.82219	10.74159	0.0743915	0.18372670	3.0644640	21	5 17.6	19.0
203871 2002 XS_{27}	15.1	X	158.70104	326.28738	68.16040	13.71100	0.1900581	0.17942190	3.1132864	21	4 3.4	20.4
203872 2002 XP_{39}	15.7	X	232.54386	40.23319	330.44849	1.63429	0.1530445	0.18644787	3.0345743	21	5 1.2	20.5
203873 2002 XR_{41}	15.2	X	241.12206	53.07472	280.99633	9.04106	0.0934548	0.18187728	3.0852030	21	3 27.1	20.0
203874 2002 XG_{66}	15.5	X	89.57159	23.96817	40.33424	1.31466	0.1740721	0.17194905	3.2028471	21	2 19.4	19.7
203875 2002 XG_{85}	14.6	X	96.82937	69.70316	60.12629	14.25795	0.1844106	0.17872262	3.1214019	21	5 20.5	19.0
203876 2002 XY_{96}	15.7	X	122.96710	150.89228	261.86692	2.68285	0.1652200	0.17585303	3.1552672	21	3 12.5	20.5
203877 2002 XZ_{99}	15.9	X	200.11876	92.48172	269.59213	1.35053	0.1853164	0.18154138	3.0890075	21	3 23.1	21.1
203878 2002 YQ_{2}	17.3	X	10.61946	273.81032	73.94563	5.89590	0.1959539	0.30807709	2.1711831	21	11 26.4	19.1
203879 2002 YN_{30}	15.8	X	86.79848	359.45316	102.71340	3.06587	0.1562363	0.17261150	3.1946472	21	4 1.5	20.1
203880 2003 AH_{7}	14.7	X	20.00690	83.94466	69.39661	17.62828	0.0921893	0.16975702	3.2303597	21	2 26.7	19.2
203881 2003 AF_{34}	15.4	X	138.12568	10.39453	103.16638	10.55189	0.2110702	0.18389959	3.0625431	21	6 13.9	20.5
203882 2003 AG_{61}	15.0	X	115.61492	345.17185	148.82738	10.29609	0.1860249	0.17924960	3.1152812	21	6 15.9	19.9
203883 2003 BM_{16}	15.1	X	36.20958	215.06878	345.62416	8.38212	0.0320987	0.17367303	3.1816163	21	5 6.3	19.5
203884 2003 BA_{26}	14.5	X	100.15639	315.18236	119.62916	28.62650	0.2152319	0.17372786	3.1809467	21	4 1.3	19.6
203885 2003 BZ_{61}	16.8	X	126.65184	189.06003	301.86842	3.34037	0.1269517	0.28479611	2.2879508	21	6 14.2	20.0
203886 2003 BF_{84}	14.3	X	29.64105	78.00861	157.10767	27.05858	0.1851734	0.17306751	3.1890331	21	6 29.8	18.5
203887 2003 DM_{21}	15.4	X	110.97297	154.60095	324.67373	6.04656	0.1513911	0.17360261	3.1824766	21	5 17.4	20.2
203888 2003 ET_{30}	17.3	X	187.63727	234.02874	2.21124	3.44972	0.1212888	0.30553432	2.1832127	21	—	—
203889 2003 EH_{50}	16.4	X	321.23890	99.60420	142.65562	2.64653	0.1568360	0.26944782	2.3740303	21	2 17.2	19.1
203890 2003 FQ_{25}	16.8	X	336.95724	149.71480	131.94060	1.45753	0.2083423	0.27832078	2.3233018	21	5 3.2	18.8
203891 2003 FR_{43}	12.9	X	199.74357	172.03114	19.43685	10.87651	0.0464796	0.08269106	5.2179152	21	10 30.4	20.1
203892 2003 FR_{61}	17.0	X	171.55203	71.81891	132.10279	6.71372	0.1031439	0.29795952	2.2200591	21	11 13.6	20.1
203893 2003 FX_{66}	16.6	X	322.98266	206.40195	58.60149	4.17683	0.1815557	0.27262639	2.3555416	21	3 20.9	19.2
203894 2003 FS_{116}	17.2	X	215.94188	135.31729	73.12088	3.04097	0.1050783	0.30319673	2.1944198	21	—	—
203895 2003 FA_{119}	16.8	X	343.85552	77.22419	146.48569	1.65413	0.1376644	0.27056780	2.3674745	21	2 28.7	19.2
203896 2003 GE_{51}	16.5	X	274.17624	152.02266	109.45795	3.19849	0.1745480	0.26336529	2.4104439	21	1 18.5	20.0
203897 2003 HD	17.2	X	70.16990	303.56947	331.75216	3.25122	0.0665576	0.28921877	2.2645665	21	10 14.7	19.9
203898 2003 HH_{12}	16.3	X	284.73943	161.10665	71.13407	9.46609	0.2093324	0.26077535	2.4263774	21	—	—
203899 2003 HW_{21}	17.0	X	22.19045	76.92712	154.56715	2.98679	0.1610975	0.27591851	2.3367674	21	5 30.9	18.8
203900 2003 HE_{22}	17.1	X	320.53240	75.99276	181.25935	2.35257	0.1745257	0.26912617	2.3759215	21	3 5.5	20.0
203901 2003 HR_{24}	17.0	X	276.46670	124.57846	172.55881	2.75255	0.1650194	0.26893368	2.3770551	21	3 6.3	20.5
203902 2003 HB_{28}	16.7	X	345.12896	315.11688	234.85582	5.81524	0.1182187	0.26528656	2.3987918	21	1 16.7	19.4
203903 2003 HY_{28}	16.7	X	112.96679	206.29297	0.12236	6.59501	0.1129498	0.28791309	2.2714078	21	9 11.2	19.8
203904 2003 HE_{29}	17.2	X	123.65850	53.46503	205.84077	2.22567	0.1156808	0.29461845	2.2368117	21	12 2.1	20.2
203905 2003 HJ_{37}	17.0	X	301.16634	357.75776	260.57727	4.69114	0.1970261	0.26631022	2.3926407	21	2 6.3	20.3
203906 2003 HQ_{41}	16.7	X	151.66817	320.19724	285.45632	5.96623	0.1671361	0.29766315	2.2215325	21	12 11.7	20.2
203907 2003 HS_{48}	16.2	X	341.03299	185.08054	68.19778	7.85667	0.1712972	0.27050626	2.3678336	21	4 7.5	18.5
203908 2003 HU_{50}	16.2	X	278.15902	177.18474	81.07570	13.33393	0.2194880	0.26102835	2.4248093	21	1 15.7	20.2
203909 2003 HK_{51}	16.9	X	91.88108	71.16103	162.33512	5.69765	0.1097857	0.28648720	2.2789383	21	9 22.7	19.9
203910 2003 HC_{53}	16.8	X	3.93018	203.48687	42.24728	5.73691	0.1057087	0.27503351	2.3417776	21	5 13.0	19.0
203911 2003 JV_{8}	16.7	X	69.91903	89.52082	114.26476	6.22327	0.1181142	0.27894418	2.3198390	21	7 11.1	19.3
203912 2003 JM_{16}	16.5	X	214.75945	82.63958	133.02327	7.82905	0.1513380	0.30335765	2.1936437	21	—	—
203913 2003 MC_{1}	15.4	X	21.46253	61.61803	267.43049	11.49663	0.2134549	0.22474137	2.6792549	21	10 29.0	18.6
203914 2003 MM_{9}	16.1	X	281.26666	194.86534	122.58696	9.14618	0.2220292	0.26258117	2.4152402	21	4 5.3	19.8
203915 2003 OA_{4}	16.7	X	270.00108	156.59964	158.46870	2.47969	0.1833294	0.26099987	2.4249857	21	3 22.2	20.3
203916 2003 OM_{4}	16.6	X	319.98014	16.50939	268.06566	3.76722	0.1382532	0.26684528	2.3894413	21	4 17.6	19.2
203917 2003 OK_{6}	15.7	X	30.92019	130.27838	270.60149	10.39778	0.1739923	0.23599165	2.5934127	21	—	—
203918 2003 OR_{7}	15.8	X	62.31807	81.89178	279.23430	10.33694	0.1922018	0.23469255	2.6029741	21	—	—
203919 2003 OV_{10}	16.8	X	23.56968	197.85796	82.45081	5.94281	0.2208456	0.27591890	2.3367653	21	9 7.3	18.8
203920 2003 OH_{13}	15.8	X	68.11384	53.84890	347.53746	4.90673	0.2208059	0.24069943	2.5594855	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
203921 2003 OR_{15}	15.6	X	47.51135	34.16105	282.15902	13.23074	0.2047406	0.22667178	2.6640216	21	11 19.6	19.4
203922 2003 OH_{17}	17.2	X	84.61929	124.98111	139.76953	3.13190	0.2406349	0.28294106	2.2979402	21	11 8.9	20.7
203923 2003 OP_{20}	16.8	X	242.46827	268.58099	61.46990	2.19203	0.2008358	0.25937131	2.4351260	21	3 14.5	20.8
203924 2003 OR_{24}	16.2	X	157.16261	213.90096	172.71554	4.66557	0.0812458	0.25459969	2.4654572	21	2 26.6	19.5
203925 2003 OK_{27}	16.9	X	16.97924	12.03503	259.84440	1.46453	0.2086273	0.27323127	2.3520639	21	8 1.0	18.5
203926 2003 OX_{30}	16.3	X	107.34791	50.42082	304.37927	12.31775	0.2086266	0.23919135	2.5702324	21	—	—
203927 2003 PO_{4}	16.9	X	92.61141	335.87494	149.22581	5.46126	0.0611033	0.25947444	2.4344807	21	4 15.2	19.9
203928 2003 PG_{8}	16.2	X	276.15344	13.93874	294.14650	4.94168	0.1103490	0.25994528	2.4315400	21	3 25.1	19.7
203929 2003 QP_{14}	16.5	X	239.78853	51.93003	264.04248	5.64595	0.1532838	0.25541863	2.4601844	21	2 21.8	20.5
203930 2003 QG_{18}	16.6	X	324.61223	174.55685	100.56902	3.63814	0.1843247	0.26395076	2.4068782	21	4 7.8	19.1
203931 2003 QZ_{20}	16.3	X	262.09817	230.47098	54.86225	4.61007	0.1688784	0.25385151	2.4702991	21	2 8.9	20.1
203932 2003 QD_{21}	16.3	X	85.58197	277.70650	89.77330	4.98763	0.1384871	0.23587023	2.5943026	21	—	—
203933 2003 QM_{32}	16.5	X	156.15770	185.97004	165.73489	3.83852	0.1600489	0.24627295	2.5207218	21	1 22.1	20.2
203934 2003 QT_{37}	16.1	X	349.24032	45.43996	332.58147	12.53615	0.2759109	0.22336972	2.6902121	21	11 7.3	18.5
203935 2003 QD_{49}	16.6	X	135.55097	239.61455	127.33032	5.23855	0.1138271	0.24597533	2.5227546	21	1 12.8	20.0
203936 2003 QQ_{49}	17.0	X	119.37671	213.38139	143.39978	5.42397	0.2579485	0.24090614	2.5580212	21	1 1.8	20.4
203937 2003 QP_{52}	16.0	X	286.22734	5.31770	348.93803	5.05389	0.1791615	0.21235161	2.7824818	21	6 3.1	19.9
203938 2003 QN_{69}	15.7	X	42.13916	93.97497	259.06334	10.70876	0.1954918	0.22735245	2.6587018	21	12 29.1	19.4
203939 2003 QV_{73}	16.9	X	26.39708	40.12421	216.69352	1.56837	0.1737071	0.27115628	2.3640479	21	7 23.4	18.9
203940 2003 QQ_{77}	15.4	X	348.55145	59.79235	348.35028	12.37800	0.1801114	0.22433001	2.6825292	21	12 16.2	18.4
203941 2003 QK_{78}	16.1	X	53.72822	48.51376	334.57698	10.52205	0.1897344	0.23129966	2.6283673	21	—	—
203942 2003 QZ_{88}	15.5	X	293.98849	244.03049	137.61869	14.68412	0.2145881	0.21186386	2.7867507	21	7 15.9	19.0
203943 2003 QP_{95}	16.1	X	343.15904	99.07850	311.65684	9.39413	0.2004959	0.22464686	2.6800063	21	12 11.3	18.8
203944 2003 QU_{111}	16.3	X	168.94560	190.79197	85.95331	8.54486	0.1997557	0.24054198	2.5606023	21	—	—
203945 2003 QN_{114}	16.8	X	39.53304	91.28286	307.90852	11.30271	0.1802846	0.23298546	2.6156734	21	—	—
203946 2003 RA_{8}	16.0	X	31.57678	58.35176	316.50855	15.88785	0.3250331	0.22628595	2.6670489	21	—	—
203947 2003 RA_{9}	15.1	X	316.02478	99.16050	281.42642	11.13371	0.2013831	0.21655429	2.7463646	21	8 19.9	18.2
203948 2003 RF_{11}	15.5	X	352.62793	0.39203	16.47976	10.61268	0.3229779	0.22277990	2.6949583	21	11 24.9	17.6
203949 2003 RS_{13}	15.6	X	17.64870	45.81711	287.48215	9.70037	0.2403341	0.22263509	2.6961268	21	10 31.8	18.7
203950 2003 SY_{2}	15.7	X	348.34428	213.13275	190.45131	8.69399	0.2214470	0.22373033	2.6873206	21	12 14.6	18.3
203951 2003 SU_{6}	17.3	X	109.87636	184.66517	163.91665	1.93645	0.2240678	0.23688462	2.5868910	21	—	—
203952 2003 SF_{15}	15.3	X	10.08603	68.32938	74.95240	15.76229	0.0527586	0.24260884	2.5460385	21	1 6.8	18.5
203953 2003 SJ_{16}	15.7	X	71.92121	341.07176	5.96439	13.19311	0.1860118	0.23058673	2.6337821	21	—	—
203954 2003 SW_{22}	16.9	X	72.36881	87.77493	268.05873	4.67521	0.2053188	0.23183157	2.6243454	21	—	—
203955 2003 SH_{31}	16.1	X	2.75601	355.75994	357.31450	2.85681	0.1055946	0.21915567	2.7245884	21	10 17.6	19.2
203956 2003 SX_{63}	16.2	X	358.01005	115.11076	310.05084	12.02651	0.2496390	0.22885657	2.6470397	21	—	—
203957 2003 SK_{69}	17.0	X	278.58167	166.64491	308.47273	1.12683	0.0513935	0.22516824	2.6758676	21	11 22.9	20.2
203958 2003 SS_{94}	16.3	X	104.72870	48.96808	299.70569	8.03790	0.1806928	0.23654318	2.5893798	21	—	—
203959 2003 SR_{104}	16.3	X	40.92560	99.60027	307.25711	10.92158	0.1728640	0.23343100	2.6123440	21	—	—
203960 2003 SO_{105}	16.8	X	110.38335	181.19425	183.86010	0.11681	0.0678036	0.23830223	2.5766216	21	—	—
203961 2003 SZ_{111}	16.5	X	50.02863	339.38563	344.90182	2.97698	0.1810031	0.22575823	2.6712036	21	11 30.3	20.2
203962 2003 SR_{122}	15.7	X	307.76775	190.52449	285.05374	7.96761	0.1655084	0.22913258	2.6449135	21	12 31.9	18.4
203963 2003 SV_{131}	16.8	X	253.80739	57.97144	195.12147	2.13716	0.0834045	0.24262697	2.5459117	21	—	—
203964 2003 SA_{133}	16.6	X	53.65608	212.74493	187.17345	1.73081	0.0944693	0.23288839	2.6164001	21	—	—
203965 2003 SB_{140}	16.0	X	27.91318	296.59768	53.55871	7.15709	0.0543004	0.22318797	2.6916724	21	11 15.9	19.4
203966 2003 SN_{146}	15.7	X	354.29589	135.91635	243.55917	8.10916	0.0840628	0.22114359	2.7082358	21	11 7.4	18.9
203967 2003 SP_{152}	15.9	X	67.27006	220.21947	109.09458	7.14194	0.1125383	0.22817180	2.6523331	21	12 18.8	19.7
203968 2003 SH_{154}	16.0	X	344.23279	274.04784	112.72982	10.55827	0.1429482	0.22263404	2.6961352	21	11 9.5	19.0
203969 2003 SR_{157}	16.4	X	327.51619	21.25124	358.65113	2.01109	0.2745668	0.21718518	2.7410435	21	9 11.3	18.5
203970 2003 SG_{165}	15.8	X	351.77262	211.15841	164.13383	8.54201	0.1916464	0.22018906	2.7160571	21	11 8.9	18.5
203971 2003 SP_{171}	16.4	X	66.89279	99.75141	288.19364	4.01563	0.0958276	0.23612206	2.5924577	21	—	—
203972 2003 SW_{176}	16.9	X	132.13921	198.17234	165.97826	3.03220	0.1316532	0.24196897	2.5505251	21	1 8.3	20.2
203973 2003 SR_{193}	15.8	X	319.33072	122.16252	279.94258	7.88498	0.2054089	0.21984294	2.7189071	21	9 28.7	18.6
203974 2003 SM_{200}	15.7	X	105.21519	267.55593	112.70825	16.00490	0.1097299	0.24032064	2.5621743	21	—	—
203975 2003 SL_{206}	16.6	X	342.32003	352.23031	39.47711	3.24891	0.1157166	0.22339400	2.6900171	21	11 7.1	19.5
203976 2003 SR_{208}	16.6	X	26.22477	145.24638	237.64200	3.62637	0.1953722	0.22930720	2.6435707	21	—	—
203977 2003 SC_{212}	16.2	X	1.25248	257.99803	71.67761	11.52763	0.1825460	0.21937596	2.7227642	21	9 26.4	19.1
203978 2003 SV_{218}	16.3	X	305.70306	26.68610	44.64129	3.98739	0.1504273	0.21716607	2.7412042	21	10 25.0	19.1
203979 2003 SG_{232}	15.7	X	43.27913	216.04406	107.40247	4.57826	0.0963881	0.22146954	2.7055779	21	11 9.6	19.3
203980 2003 SH_{232}	15.7	X	306.13772	220.77370	163.43116	5.56336	0.1770340	0.21410871	2.7672379	21	8 14.5	18.7
203981 2003 SP_{233}	16.8	X	160.88532	176.29463	142.30129	3.88685	0.1721632	0.24083233	2.5585438	21	—	—
203982 2003 SK_{235}	15.8	X	101.71497	36.33547	311.69163	13.77959	0.1271090	0.23500256	2.6006844	21	—	—
203983 2003 SE_{240}	16.6	X	184.54515	324.87851	339.41084	3.44146	0.2259276	0.24225487	2.5485180	21	—	—
203984 2003 SK_{246}	16.3	X	244.85939	99.27561	357.23175	7.19898	0.1900170	0.21368309	2.7709113	21	8 27.9	20.4
203985 2003 SG_{261}	16.4	X	306.30076	328.23919	300.55434	5.21206	0.0882167	0.25712197	2.4493072	21	3 14.8	19.7
203986 2003 SW_{264}	15.8	X	302.47006	216.14258	81.74258	3.10939	0.0209929	0.20196895	2.8770427	21	5 7.5	19.6
203987 2003 SN_{265}	16.7	X	19.60438	220.57649	258.68582	2.89006	0.1750990	0.24017713	2.5631948	21	—	—
203988 2003 SD_{293}	16.2	X	2.05214	198.14372	268.40625	5.03261	0.0835739	0.23654133	2.5893934	21	—	—
203989 2003 SV_{302}	16.4	X	354.18071	61.93530	297.44966	1.96907	0.0871408	0.21932548	2.7231820	21	10 10.5	19.7
203990 2003 SB_{306}	15.2	X	157.83602	233.15317	255.71871	13.76552	0.0984586	0.20406546	2.8573036	21	7 12.2	19.7
203991 2003 SN_{319}	17.1	X	148.07873	284.63561	35.21716	3.94416	0.1784879	0.23930022	2.5694528	21	—	—
203992 2003 SR_{319}	15.8	X	74.29865	127.92485	172.29298	10.71555	0.0100436	0.22193803	2.7017691	21	11 8.2	19.6
203993 2003 SF_{323}	16.6	X	282.17562	202.70480	257.13728	2.82343	0.0380337	0.22522954	2.6753821	21	11 9.4	20.1
203994 2003 TL_{2}	15.5	X	279.04035	324.36334	74.95860	8.11013	0.2457622	0.21121255	2.7924767	21	7 15.5	19.3
203995 2003 TO_{12}	16.3	X	319.14183	95.06596	220.53433	6.83104	0.2293740	0.20967592	2.8061035	21	5 23.6	19.5
203996 2003 TX_{16}	15.9	X	54.71481	23.33256	318.95887	2.68679	0.1022223	0.22586533	2.6703591	21	12 18.1	19.6
203997 2003 TT_{19}	16.1	X	36.93803	68.84357	283.63431	2.71849	0.1788872	0.22427033	2.6830051	21	12 19.6	19.6
203998 2003 TB_{20}	15.3	X	59.22511	346.47967	295.26802	10.79839	0.0673421	0.21973916	2.7197631	21	9 24.9	19.1
203999 2003 TZ_{20}	15.9	X	280.96938	291.96949	115.46070	6.04876	0.1663362	0.21270575	2.7793926	21	8 10.5	19.5
204000 2003 TY_{27}	16.6	X	254.49230	8.71589	270.59490	1.93408	0.0398911	0.24672696	2.5176285	21	2 1.9	20.1