Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224001 2005 GE_{30}	16.9	X	69.02538	133.92170	150.95925	6.89235	0.1118206	0.28642463	2.2792702	20	11 17.0	20.0
224002 2005 GE_{58}	17.7	X	183.77375	240.46096	37.55847	6.05043	0.1503143	0.30399441	2.1905793	20	—	—
224003 2005 GK_{59}	16.8	X	230.95721	65.32250	52.42436	22.08093	0.0938407	0.35373272	1.9800944	20	10 28.8	18.8
224004 2005 GX_{59}	16.5	X	109.07336	144.25671	163.12624	6.93879	0.2930194	0.29363103	2.2418235	20	—	—
224005 2005 GP_{65}	18.1	X	203.15604	154.28983	182.46630	1.16658	0.1767831	0.31903034	2.1211989	20	2 19.4	21.4
224006 2005 GC_{69}	18.4	X	277.11378	185.77092	26.45893	4.85020	0.0565826	0.31170948	2.1542828	20	—	—
224007 2005 GP_{84}	17.7	X	167.54873	342.09741	304.64416	1.44918	0.1698234	0.30229179	2.1987971	20	—	—
224008 2005 GC_{95}	15.0	X	35.70551	318.77617	165.42496	3.88840	0.1312235	0.12400991	3.9825855	20	2 24.2	19.9
224009 2005 GU_{96}	17.8	X	203.50840	261.73222	54.24120	3.39972	0.1935508	0.31357860	2.1457137	20	1 26.6	21.1
224010 2005 GS_{99}	17.2	X	232.21699	247.39815	30.66338	5.24425	0.1188143	0.31204560	2.1527355	20	1 4.6	20.2
224011 2005 GO_{154}	14.2	X	320.84002	163.58629	53.80821	8.84893	0.0758104	0.12566912	3.9474532	20	3 4.3	19.6
224012 2005 GF_{156}	17.5	X	104.80785	109.67673	194.51721	3.90561	0.2385481	0.29142893	2.2531025	20	—	—
224013 2005 JK_{4}	16.8	X	160.41663	213.00834	82.49298	5.96803	0.1443855	0.29904796	2.2146689	20	—	—
224014 2005 JQ_{15}	17.8	X	221.35944	161.44791	93.57927	1.43767	0.0892213	0.30606673	2.1806801	20	—	—
224015 2005 JF_{19}	17.4	X	111.76235	164.02931	223.83291	3.51092	0.1488783	0.31010413	2.1617113	20	1 14.1	19.6
224016 2005 JF_{43}	17.8	X	81.57213	231.74474	72.07464	3.70101	0.2488326	0.28557776	2.2837740	20	12 31.9	21.5
224017 2005 JA_{65}	18.0	X	162.79543	163.83612	105.79759	3.74578	0.1764994	0.29695782	2.2250488	20	—	—
224018 2005 JT_{67}	17.3	X	197.92243	300.06885	346.27815	2.60332	0.1151098	0.30581412	2.1818808	20	—	—
224019 2005 JX_{78}	17.4	X	129.34651	336.87384	34.65119	3.35735	0.0680721	0.31016907	2.1614095	20	1 4.3	19.7
224020 2005 JL_{160}	12.5	X	340.29907	134.19719	230.00185	27.95210	0.0203909	0.08563555	5.0976106	20	9 7.9	19.6
224021 2005 KT_{2}	17.7	X	35.91260	170.73518	159.40952	3.31956	0.2696514	0.28014742	2.3131917	20	12 24.7	21.0
224022 2005 KZ_{12}	16.4	X	17.11540	277.75100	3.16650	8.91944	0.2189739	0.26641773	2.3919970	20	9 10.4	18.4
224023 2005 LJ_{3}	17.1	X	172.99272	209.19250	87.19641	4.98292	0.1170453	0.30234839	2.1985226	20	—	—
224024 2005 LO_{7}	17.2	X	112.53595	52.77373	237.35551	4.80356	0.2494749	0.28835600	2.2690813	20	—	—
224025 2005 LY_{15}	17.1	X	131.75904	49.66636	217.93179	2.73700	0.2002838	0.28622204	2.2803456	20	12 27.2	20.7
224026 2005 LB_{21}	17.1	X	61.20046	151.07458	158.99179	3.74612	0.2577758	0.28076095	2.3098206	20	12 22.5	20.7
224027 Grégoire	17.0	X	40.79005	148.01959	141.60092	3.46916	0.2225505	0.27437450	2.3455258	20	11 1.5	19.9
224028 2005 LC_{24}	16.7	X	66.92275	41.54758	255.10353	23.85316	0.2038233	0.28070449	2.3101303	20	12 6.4	20.2
224029 2005 LO_{33}	17.0	X	113.23463	280.80025	77.09640	7.93400	0.1522142	0.30189001	2.2007475	20	—	—
224030 2005 LY_{35}	15.7	X	291.55914	201.52550	107.38107	8.42895	0.2106261	0.25339385	2.4732727	20	4 18.7	19.1
224031 2005 LP_{41}	17.0	X	324.74985	254.44161	104.55179	3.70881	0.1897226	0.26707586	2.3880658	20	9 11.6	18.6
224032 2005 LT_{46}	17.0	X	46.20669	162.95421	171.95601	4.89061	0.1704292	0.27877340	2.3207864	20	12 29.2	20.2
224033 2005 LG_{47}	17.3	X	333.54130	238.25091	131.51587	2.17469	0.1878675	0.26759733	2.3849624	20	10 21.5	18.9
224034 2005 LD_{48}	16.6	X	354.46448	301.91677	1.86014	6.37539	0.1957705	0.26753424	2.3853373	20	8 24.0	18.3
224035 2005 LP_{53}	16.8	X	354.58410	175.09764	246.29912	5.65477	0.1456394	0.28497854	2.2869742	20	—	—
224036 2005 MS	17.1	X	352.24822	41.15182	260.53912	2.10219	0.1782802	0.26239195	2.4164012	20	8 8.9	19.1
224037 2005 MP_{3}	16.5	X	69.65612	126.48452	180.55543	8.46677	0.2157146	0.28101562	2.3084249	20	12 22.7	20.2
224038 2005 MP_{4}	17.6	X	7.46632	312.60585	337.02492	0.47092	0.1766359	0.26562096	2.3967780	20	8 25.8	19.6
224039 2005 MA_{6}	16.9	X	228.22852	78.08265	184.24604	6.97986	0.0951168	0.30648313	2.1787045	20	—	—
224040 2005 ML_{9}	16.8	X	328.36126	194.52651	151.92936	3.75257	0.1440717	0.26551126	2.3974382	20	8 29.4	18.5
224041 2005 MP_{9}	16.5	X	27.22879	356.80342	306.57497	6.09966	0.1112406	0.27023032	2.3694452	20	10 8.4	19.2
224042 2005 MK_{14}	16.9	X	333.37687	73.92453	270.98224	5.37680	0.1445507	0.26577671	2.3958416	20	9 3.3	19.1
224043 2005 MP_{18}	17.1	X	355.92905	250.78975	116.14284	6.51463	0.2138883	0.27331763	2.3515684	20	12 9.8	19.3
224044 2005 MQ_{18}	17.5	X	40.08530	179.45340	127.11338	2.03335	0.1853414	0.27305574	2.3530718	20	11 16.7	20.5
224045 2005 MF_{20}	17.4	X	27.62132	160.50770	124.53650	3.25861	0.2225489	0.26891642	2.3771568	20	10 6.7	20.0
224046 2005 MW_{22}	17.0	X	36.49318	4.96154	284.63796	7.50484	0.2704231	0.26970201	2.3725385	20	10 28.8	20.1
224047 2005 MJ_{29}	17.6	X	68.11315	108.84432	219.24408	4.52667	0.1944192	0.28035024	2.3120759	20	—	—
224048 2005 MJ_{31}	17.4	X	350.63804	59.68342	278.62428	0.42567	0.2061994	0.26805732	2.3822332	20	10 11.0	19.0
224049 2005 MQ_{36}	16.7	X	358.58667	249.51711	110.61979	7.96224	0.1688018	0.27285275	2.3542387	20	11 27.9	19.1
224050 2005 MP_{37}	17.1	X	187.28813	109.72742	130.11676	5.96019	0.1214683	0.28976078	2.2617416	20	—	—
224051 2005 MC_{42}	16.8	X	354.32169	122.24178	199.02734	4.32045	0.2427764	0.26569302	2.3963447	20	9 25.4	18.4
224052 2005 MD_{42}	16.9	X	5.96464	142.79233	227.01276	5.15291	0.1972509	0.27437782	2.3455069	20	12 26.8	19.6
224053 2005 MV_{45}	16.4	X	316.98271	191.24976	159.66978	6.40100	0.1187746	0.26425014	2.4050599	20	8 13.3	18.7
224054 2005 MC_{50}	17.0	X	349.94791	40.89331	321.16941	3.62248	0.1950579	0.27099849	2.3649654	20	11 14.6	19.1
224055 2005 ME_{50}	16.9	X	347.52094	85.16567	305.56184	5.73077	0.1045056	0.27708352	2.3302128	20	12 13.1	19.4
224056 2005 MH_{50}	17.2	X	103.97179	233.86833	42.29085	2.29634	0.1924803	0.28139839	2.3063310	20	12 13.5	20.9
224057 2005 ML_{53}	16.0	X	0.84969	294.71070	45.51699	24.34476	0.2378214	0.26819532	2.3814159	20	11 9.9	18.0
224058 2005 MP_{54}	17.3	X	1.41713	113.76650	244.40587	1.47981	0.1967864	0.27156292	2.3616874	20	12 2.4	19.6
224059 2005 NK_{2}	18.0	X	27.78556	140.13494	174.78082	1.08368	0.1942048	0.27189096	2.3597874	20	11 12.5	20.7
224060 2005 NM_{3}	16.7	X	259.90746	180.10849	299.79927	5.97416	0.0485719	0.27769099	2.3268132	20	11 26.6	19.6
224061 2005 NA_{8}	16.9	X	28.56917	226.37223	149.40538	7.14198	0.1134937	0.28078639	2.3096811	20	—	—
224062 2005 NB_{10}	17.8	X	44.61851	102.72768	176.87343	1.10165	0.1736684	0.27136437	2.3628392	20	10 14.6	20.7
224063 2005 NE_{17}	17.1	X	16.55204	62.86640	283.81771	1.97341	0.1519835	0.27428952	2.3460103	20	12 3.3	19.7
224064 2005 NT_{19}	17.3	X	7.71672	38.09914	199.99379	1.66175	0.1406773	0.25689439	2.4507535	20	5 29.2	19.5
224065 2005 NK_{22}	17.3	X	84.79836	103.81346	164.55932	4.00032	0.1014602	0.27486951	2.3427089	20	11 9.3	20.5
224066 2005 NZ_{27}	17.5	X	17.03912	137.13489	164.92128	2.31687	0.2016853	0.26815972	2.3816267	20	10 8.8	19.6
224067 Colemila	16.7	X	13.60701	198.78736	146.00463	2.64890	0.1330002	0.26967200	2.3727145	20	11 22.9	19.3
224068 2005 NJ_{40}	17.2	X	316.09248	231.40535	134.25791	1.92935	0.1897304	0.26585835	2.3953511	20	8 30.1	18.8
224069 2005 NN_{46}	17.2	X	318.50594	231.80293	134.44645	3.07229	0.1612376	0.26533911	2.3984750	20	9 8.8	19.0
224070 2005 NO_{46}	16.8	X	60.30988	196.36797	156.45462	6.69820	0.1743069	0.28337542	2.2955914	20	—	—
224071 2005 NR_{46}	17.4	X	70.14806	62.38860	184.21985	4.32783	0.1488968	0.27058795	2.3673570	20	9 27.9	20.6
224072 2005 NK_{49}	17.3	X	76.66701	107.83122	197.20948	4.68121	0.1681655	0.28427541	2.2907438	20	12 23.7	20.8
224073 2005 NW_{50}	17.1	X	40.23814	197.33505	142.01023	4.60373	0.2385272	0.27659100	2.3329783	20	—	—
224074 2005 NJ_{53}	17.1	X	351.26088	311.50863	144.91339	6.53818	0.1122393	0.29063764	2.2571901	20	—	—
224075 2005 NP_{55}	17.0	X	111.36455	242.45521	34.93261	6.21168	0.1547554	0.28338498	2.2955398	20	12 20.8	20.6
224076 2005 NX_{60}	16.7	X	5.46192	59.22283	292.07069	3.77470	0.2501315	0.27192066	2.3596155	20	12 8.4	19.0
224077 2005 NM_{61}	17.5	X	33.31296	180.05425	126.06707	3.78491	0.1630788	0.27123174	2.3636094	20	11 4.3	20.3
224078 2005 NV_{64}	17.6	X	118.04654	19.72204	196.71255	2.92198	0.1356949	0.27378422	2.3488959	20	10 9.5	20.9
224079 2005 NJ_{70}	17.1	X	352.58843	273.21259	117.83073	3.20727	0.2241368	0.27432574	2.3458037	20	—	—
224080 2005 NU_{71}	17.6	X	346.64063	181.43242	136.47433	2.58124	0.1828969	0.26405791	2.4062270	20	8 24.8	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224081 2005 NM_{74}	17.2	X	71.86917	179.24100	117.97178	5.24907	0.1178130	0.27806425	2.3247305	20	12 4.0	20.5
224082 2005 NE_{80}	16.7	X	21.25486	270.67488	61.52291	7.43234	0.1494118	0.27389452	2.3482653	20	11 20.0	19.2
224083 2005 NL_{80}	17.0	X	109.82832	285.77663	312.12434	5.34571	0.2647007	0.27942491	2.3171775	20	11 2.0	21.1
224084 2005 NM_{83}	17.5	X	10.03104	105.29997	201.31594	3.55996	0.0524234	0.26714804	2.3876356	20	9 9.2	20.1
224085 2005 NU_{84}	16.5	X	14.64807	23.18095	283.08179	4.61830	0.1626451	0.26576903	2.3958878	20	9 29.9	18.9
224086 2005 NW_{84}	16.0	X	4.71973	96.02126	240.80839	5.82759	0.1285761	0.26797117	2.3827437	20	10 24.7	18.5
224087 2005 NR_{86}	16.8	X	315.76120	108.19999	206.87056	10.44154	0.2272034	0.25610302	2.4557996	20	5 30.3	19.3
224088 2005 NS_{99}	16.4	X	333.43026	128.47411	255.57698	8.93101	0.2455670	0.26848078	2.3797276	20	11 17.9	17.8
224089 2005 NT_{100}	16.3	X	24.40831	19.16273	283.63148	6.50963	0.1815064	0.26775396	2.3840322	20	10 14.4	19.1
224090 2005 NO_{123}	17.6	X	11.95628	86.52288	191.35644	5.34261	0.1965496	0.26365962	2.4086497	20	8 16.9	19.7
224091 2005 OQ_{4}	17.2	X	54.85949	239.81939	43.43372	5.79610	0.1826339	0.27133775	2.3629937	20	11 2.5	20.3
224092 2005 OH_{8}	16.6	X	65.76393	39.24645	277.20897	9.05433	0.0471872	0.27920452	2.3183967	20	12 13.5	19.6
224093 2005 OK_{10}	16.6	X	334.05638	274.20252	81.88762	4.69552	0.2087411	0.26535160	2.3983998	20	10 1.9	18.2
224094 2005 OM_{11}	16.9	X	328.45907	18.43355	350.15588	4.35237	0.2060633	0.26576341	2.3959215	20	10 3.9	18.5
224095 2005 OD_{12}	17.2	X	12.30111	24.74571	290.71634	1.99902	0.1885745	0.26708274	2.3880248	20	10 15.9	19.6
224096 2005 ON_{12}	17.2	X	326.99045	259.35436	41.80219	1.98908	0.1824792	0.25615558	2.4554636	20	6 7.1	19.4
224097 2005 OS_{13}	16.7	X	302.87292	37.73117	329.32963	7.11739	0.2435862	0.26220831	2.4175293	20	7 24.1	18.8
224098 2005 OG_{15}	16.4	X	304.98763	332.23109	31.51895	7.30867	0.1871444	0.26247263	2.4159060	20	8 4.4	18.8
224099 2005 OP_{16}	16.9	X	340.23312	114.02481	199.71481	0.67912	0.1904582	0.26124334	2.4234788	20	7 30.7	18.4
224100 2005 OZ_{18}	17.3	X	35.40955	144.47147	150.27024	6.09134	0.1153864	0.26863958	2.3787897	20	10 14.9	20.1
224101 2005 ON_{20}	16.7	X	91.11390	280.04763	346.27312	4.60555	0.1048483	0.27424624	2.3462571	20	11 10.9	20.0
224102 2005 OV_{21}	16.9	X	84.53670	268.16361	351.08009	0.57477	0.1673223	0.27278423	2.3546329	20	11 1.6	20.3
224103 2005 OC_{28}	17.3	X	303.25831	126.41860	171.32564	5.89199	0.2206990	0.25219760	2.4810875	20	4 15.0	20.2
224104 2005 OD_{28}	17.2	X	7.15637	61.53896	225.06559	1.34908	0.1607829	0.26160590	2.4212392	20	8 16.6	19.4
224105 2005 PN_{2}	16.9	X	330.23062	327.13354	11.95392	1.50071	0.2042773	0.26348815	2.4096945	20	8 18.8	18.6
224106 2005 PR_{2}	16.6	X	303.22499	216.67871	140.42673	2.45950	0.2333022	0.26017917	2.4300826	20	7 8.7	19.0
224107 2005 PY_{2}	17.4	X	34.42507	125.49332	164.69483	2.12266	0.2164598	0.26903594	2.3764527	20	10 22.1	20.1
224108 2005 PD_{3}	17.1	X	95.19029	353.34256	299.32466	3.35771	0.1797018	0.28035114	2.3120710	20	12 25.6	20.8
224109 2005 PK_{3}	16.9	X	355.51041	238.31015	128.68783	1.94181	0.1936478	0.27103960	2.3647263	20	12 4.4	19.1
224110 2005 PV_{3}	17.0	X	341.46314	297.95168	18.63697	2.60575	0.2118557	0.26338162	2.4103443	20	8 10.1	18.4
224111 2005 PR_{11}	16.6	X	334.25195	248.17641	124.77310	3.29668	0.1522851	0.26796579	2.3827756	20	10 26.7	18.7
224112 2005 PE_{12}	16.9	X	304.48215	46.41399	353.70604	1.21592	0.1793992	0.26605505	2.3941703	20	9 29.8	18.6
224113 2005 PA_{13}	17.1	X	0.59897	326.45055	342.64821	10.89944	0.1761478	0.26411561	2.4058765	20	9 10.2	19.0
224114 2005 PJ_{14}	17.0	X	89.66504	293.51618	23.20583	2.43831	0.1765002	0.28163381	2.3050456	20	—	—
224115 2005 PN_{18}	16.8	X	16.71912	291.56848	57.64039	7.21481	0.2400882	0.27299097	2.3534440	20	12 20.7	19.6
224116 2005 QO_{3}	17.5	X	331.45981	303.37701	347.46170	1.76018	0.2140049	0.25578725	2.4578203	20	5 26.2	19.5
224117 2005 QV_{6}	17.4	X	245.16643	138.19019	270.47976	1.60586	0.1894740	0.25442004	2.4666177	20	7 5.4	20.9
224118 2005 QH_{7}	16.8	X	103.16767	78.22307	162.68213	7.31731	0.2041989	0.27164675	2.3612014	20	10 31.9	20.6
224119 2005 QZ_{7}	16.8	X	64.74544	264.16942	9.01052	3.87532	0.1255281	0.26856254	2.3792446	20	10 22.9	19.9
224120 2005 QM_{8}	17.1	X	17.73422	78.57504	196.13757	2.04216	0.1791652	0.26351868	2.4095084	20	8 22.5	19.2
224121 2005 QM_{10}	17.6	X	32.57374	153.10082	119.04944	0.79998	0.2252749	0.26517676	2.3994539	20	9 24.2	20.2
224122 2005 QZ_{10}	16.8	X	281.97440	244.13401	152.85696	6.16475	0.1890734	0.26090526	2.4255720	20	8 8.1	19.6
224123 2005 QA_{13}	16.9	X	332.74250	186.77005	183.01105	6.60244	0.1189770	0.26691092	2.3890495	20	10 15.9	19.1
224124 2005 QO_{13}	16.2	X	353.83347	39.36059	319.32480	6.08139	0.1598884	0.26866545	2.3786370	20	11 9.9	18.5
224125 2005 QF_{16}	17.4	X	13.63169	112.64075	170.37622	1.33426	0.1734675	0.26156171	2.4215119	20	8 26.7	19.6
224126 2005 QN_{17}	17.0	X	48.93828	252.27657	18.98320	4.72428	0.1166468	0.26394638	2.4069048	20	9 29.0	19.7
224127 2005 QX_{17}	16.9	X	266.46197	256.96315	155.48184	1.30975	0.1831630	0.25795461	2.4440337	20	8 7.8	20.0
224128 2005 QC_{18}	17.0	X	300.66443	27.09014	37.71077	1.92811	0.1676100	0.26680727	2.3896682	20	11 1.5	18.9
224129 2005 QG_{21}	16.6	X	2.63340	299.71407	35.62576	3.02665	0.1822571	0.26692406	2.3889711	20	10 28.0	18.5
224130 2005 QH_{25}	17.1	X	221.68843	319.23501	132.73517	2.89162	0.1029017	0.25708220	2.4495598	20	8 16.8	20.5
224131 2005 QO_{28}	17.2	X	321.26332	127.50595	241.46907	1.00889	0.2329309	0.26304173	2.4124202	20	9 12.9	18.6
224132 2005 QA_{33}	17.6	X	339.79144	164.37268	162.51381	2.66478	0.1994965	0.26248769	2.4158136	20	8 21.9	19.1
224133 2005 QN_{33}	17.2	X	331.43774	187.82124	142.40186	3.10782	0.1876220	0.26116111	2.4239875	20	8 5.9	19.0
224134 2005 QU_{33}	17.5	X	33.25494	294.89808	349.71646	0.82857	0.1742417	0.26655065	2.3912017	20	10 4.1	20.2
224135 2005 QA_{36}	16.7	X	79.08880	101.32576	206.31366	1.36805	0.1466306	0.27606882	2.3359192	20	12 26.1	20.2
224136 2005 QF_{36}	16.7	X	3.77531	145.82410	198.15616	1.87749	0.2001495	0.26737633	2.3862764	20	11 15.5	19.0
224137 2005 QD_{40}	16.6	X	125.82543	353.72740	268.31246	6.13871	0.0878787	0.27888159	2.3201861	20	12 14.7	19.9
224138 2005 QL_{40}	16.9	X	297.26123	101.89268	218.46097	5.67587	0.1281919	0.25325375	2.4741847	20	5 22.7	19.7
224139 2005 QV_{41}	16.7	X	310.76846	149.10204	178.50234	6.53550	0.1329681	0.25595383	2.4567538	20	6 23.9	19.4
224140 2005 QK_{42}	17.0	X	334.50933	249.82780	135.69556	1.84336	0.1920174	0.26822855	2.3812192	20	11 18.5	18.7
224141 2005 QE_{44}	16.9	X	335.00604	344.49528	352.41883	7.18746	0.2092637	0.26230445	2.4169386	20	8 28.8	18.6
224142 2005 QL_{44}	16.6	X	15.97464	280.61514	26.95906	2.66413	0.2096181	0.26633370	2.3925001	20	10 15.6	19.0
224143 2005 QU_{44}	17.0	X	28.87621	283.52540	31.84645	3.27284	0.1485683	0.26920745	2.3754433	20	11 5.9	19.8
224144 2005 QB_{45}	17.0	X	11.96110	200.68717	123.49940	2.31075	0.1915792	0.26736766	2.3863280	20	10 31.2	19.3
224145 2005 QZ_{47}	16.6	X	267.45090	345.61743	74.37285	3.80913	0.1549499	0.26055035	2.4277741	20	8 27.5	19.5
224146 2005 QV_{50}	16.9	X	34.65716	136.90314	122.69296	3.39801	0.1551467	0.25964686	2.4334028	20	8 27.5	19.6
224147 2005 QL_{51}	17.1	X	79.53274	262.92489	352.33803	5.39479	0.1699694	0.27042366	2.3683157	20	10 20.7	20.5
224148 2005 QA_{52}	17.1	X	351.98059	139.65776	216.96479	1.65437	0.2097069	0.26802427	2.3824290	20	11 13.3	19.0
224149 2005 QA_{54}	17.2	X	41.94364	162.53576	152.58814	4.23204	0.0932911	0.27172004	2.3607768	20	11 17.2	20.1
224150 2005 QD_{55}	16.5	X	302.11598	348.39423	2.67060	6.48984	0.1345822	0.25782133	2.4448759	20	7 16.2	19.2
224151 2005 QF_{60}	16.4	X	293.02688	36.05555	338.09308	4.80206	0.0797040	0.26170427	2.4206324	20	8 12.2	19.0
224152 2005 QR_{62}	17.3	X	289.85881	252.51683	134.44502	2.25390	0.1812189	0.25994042	2.4315704	20	8 8.7	19.9
224153 2005 QS_{63}	16.9	X	284.68875	22.91421	16.90361	2.37035	0.1779584	0.26077567	2.4263754	20	8 20.8	19.3
224154 2005 QB_{64}	16.9	X	327.48100	315.13521	3.17205	3.78733	0.1840442	0.25810391	2.4430911	20	7 7.6	19.0
224155 2005 QS_{65}	17.3	X	77.90214	97.58779	223.11577	3.53040	0.1529691	0.27932733	2.3177171	20	—	—
224156 2005 QY_{66}	16.8	X	226.06533	50.56991	150.28710	6.18693	0.0365653	0.28308195	2.2971777	20	—	—
224157 2005 QC_{68}	17.5	X	322.42736	228.26471	99.14680	2.34145	0.1862198	0.25942588	2.4347844	20	7 10.3	19.2
224158 2005 QV_{71}	16.7	X	272.48572	227.55533	186.18091	2.16254	0.1816867	0.25978487	2.4325409	20	8 18.7	19.7
224159 2005 QQ_{73}	16.4	X	358.08326	77.94032	246.36732	2.96974	0.2577400	0.26396126	2.4068143	20	10 11.5	18.1
224160 2005 QB_{75}	16.7	X	107.41474	89.73817	221.54877	8.96142	0.0474055	0.28513690	2.2861274	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224161 2005 QT_{84}	17.0	X	352.17902	22.65904	277.74402	2.36814	0.1794160	0.26032541	2.4291724	20	8 6.4	18.9
224162 2005 QM_{85}	17.0	X	251.58530	259.09954	168.23837	9.41474	0.0855757	0.26042665	2.4285428	20	8 23.2	20.1
224163 2005 QW_{89}	17.1	X	294.84110	221.12196	173.21589	2.23869	0.2236541	0.26261270	2.4150469	20	8 22.1	19.2
224164 2005 QN_{93}	17.1	X	218.36302	316.58042	73.59004	2.48197	0.1466546	0.24726260	2.5139912	20	5 17.8	21.0
224165 2005 QJ_{94}	16.9	X	348.46272	46.88500	310.80597	0.55293	0.1951236	0.26821666	2.3812896	20	11 4.9	18.9
224166 2005 QJ_{97}	16.8	X	40.97298	285.58467	7.07256	6.65589	0.1451811	0.26863506	2.3788164	20	10 20.8	19.6
224167 2005 QM_{99}	16.6	X	288.53210	87.33892	288.15600	4.76243	0.1128729	0.25879536	2.4387375	20	7 30.7	19.2
224168 2005 QX_{101}	16.4	X	63.11245	195.54860	218.16502	4.28418	0.0837131	0.22341498	2.6898487	20	—	—
224169 2005 QA_{104}	17.0	X	248.81823	228.43595	202.78893	5.85733	0.2046170	0.25819584	2.4425112	20	8 5.6	20.5
224170 2005 QS_{108}	16.6	X	217.42621	103.63756	344.34255	5.52155	0.0507680	0.25821560	2.4423865	20	8 13.4	19.7
224171 2005 QF_{109}	17.1	X	311.39022	142.62397	225.97435	1.40804	0.1929627	0.26103512	2.4247674	20	8 21.1	19.0
224172 2005 QV_{109}	17.4	X	333.39548	155.26218	183.66821	4.80305	0.1253774	0.26113197	2.4241678	20	8 26.2	19.7
224173 2005 QA_{111}	17.7	X	28.74788	68.81648	204.30659	0.87937	0.1563775	0.26156678	2.4214806	20	9 5.8	20.3
224174 2005 QV_{113}	17.2	X	323.82316	149.08698	166.35860	7.25399	0.1199227	0.25443023	2.4665518	20	7 1.0	19.8
224175 2005 QE_{134}	17.1	X	279.49238	108.64164	6.32164	2.17045	0.1615801	0.27231975	2.3573096	20	12 7.3	19.0
224176 2005 QY_{138}	17.5	X	209.46086	14.00903	64.75708	1.12982	0.2179501	0.25072504	2.4907926	20	7 6.7	21.6
224177 2005 QV_{140}	16.9	X	280.68754	61.63211	351.08109	4.33121	0.2646037	0.26064017	2.4272163	20	8 17.6	19.6
224178 2005 QP_{151}	17.4	X	290.28870	9.21262	19.88623	1.35374	0.1929144	0.25864084	2.4397088	20	8 11.1	19.7
224179 2005 QD_{154}	16.5	X	324.48217	18.07591	61.62905	7.35692	0.1034844	0.27529854	2.3402744	20	—	—
224180 2005 QX_{157}	16.3	X	27.38525	259.45892	60.63501	7.16632	0.1159131	0.26927492	2.3750465	20	11 6.5	19.1
224181 2005 QG_{158}	16.9	X	297.27466	39.92644	24.91776	6.35324	0.0954069	0.26712876	2.3877505	20	10 31.1	19.2
224182 2005 QF_{163}	16.5	X	319.37696	308.22851	55.02430	6.67123	0.2402304	0.26225800	2.4172240	20	9 1.6	18.1
224183 2005 QZ_{174}	16.1	X	213.42876	348.06852	339.00771	14.00296	0.2963454	0.23617255	2.5920882	20	2 23.1	20.7
224184 2005 QL_{176}	16.8	X	296.28664	146.12088	275.11891	0.74040	0.1619848	0.26482024	2.4016070	20	10 17.1	19.0
224185 2005 QW_{177}	17.8	X	54.61255	94.84038	179.22940	0.99468	0.1685570	0.26642255	2.3919681	20	10 18.2	20.7
224186 2005 QS_{178}	17.0	X	276.75394	261.21737	134.54803	1.91920	0.1837487	0.25830471	2.4418248	20	7 30.1	19.5
224187 2005 QD_{183}	17.2	X	311.90028	291.03737	4.25755	2.90124	0.1821087	0.25228764	2.4804971	20	4 29.3	20.0
224188 2005 RL_{6}	17.3	X	284.47177	246.13735	204.27501	2.90275	0.1871257	0.26550382	2.3974830	20	11 4.7	19.4
224189 2005 RB_{7}	17.1	X	14.82726	348.59948	284.04852	3.76770	0.2086035	0.25995960	2.4314507	20	8 16.5	19.2
224190 2005 RC_{7}	17.0	X	21.71205	108.84226	213.89741	3.44039	0.2353074	0.26871577	2.3783401	20	11 20.6	19.6
224191 2005 RB_{8}	16.7	X	28.00719	327.58869	356.71029	1.17722	0.1966853	0.26843181	2.3800170	20	11 24.5	19.6
224192 2005 RO_{9}	16.8	X	296.00121	125.71328	240.05814	5.44858	0.1131894	0.25797931	2.4438777	20	7 27.4	19.6
224193 2005 RJ_{10}	17.3	X	327.15182	46.20291	5.11202	1.89106	0.2073311	0.27043194	2.3682674	20	12 14.5	19.0
224194 2005 RL_{13}	16.9	X	304.11958	291.17754	68.70741	3.38512	0.2498795	0.26037528	2.4288622	20	7 12.6	19.0
224195 2005 RR_{16}	16.3	X	325.32412	278.43606	70.16489	7.17683	0.1396655	0.26349626	2.4096451	20	8 30.6	18.6
224196 2005 RM_{21}	16.6	X	16.78721	23.61068	261.73568	5.63811	0.0912997	0.26124342	2.4234784	20	8 21.7	19.3
224197 2005 RY_{22}	16.8	X	267.99459	340.09016	61.29751	2.12859	0.1857304	0.25703726	2.4498453	20	7 25.5	19.8
224198 2005 RD_{23}	15.4	X	175.33495	199.30941	217.63398	12.38868	0.1742094	0.23724830	2.5842468	20	5 11.2	19.5
224199 2005 RS_{25}	15.9	X	330.04950	69.03328	226.61122	13.80889	0.1500901	0.25654850	2.4529558	20	6 9.0	18.4
224200 2005 RK_{26}	17.5	X	315.25823	50.16438	263.49789	1.28668	0.2101544	0.25517175	2.4617710	20	5 29.1	19.9
224201 2005 RL_{28}	17.1	X	353.17542	280.75552	39.89091	6.22348	0.2308284	0.26386389	2.4074064	20	9 23.2	18.7
224202 2005 RD_{29}	16.3	X	353.34537	330.89263	43.13257	8.48456	0.1239842	0.26963665	2.3729219	20	11 28.2	18.7
224203 2005 RV_{39}	15.9	X	161.92560	268.82810	181.46325	21.97904	0.2947816	0.23660022	2.5889636	20	6 13.1	21.0
224204 2005 RP_{44}	17.9	X	303.49911	31.30214	3.15619	1.41018	0.1910372	0.26240842	2.4163001	20	9 16.3	20.0
224205 2005 RL_{48}	17.2	X	300.14852	33.88484	318.57700	1.87862	0.1866642	0.25827367	2.4420205	20	7 4.3	19.6
224206 Pietchisson	17.0	X	23.67653	73.27783	228.52570	6.08888	0.1564630	0.26727584	2.3868745	20	10 9.4	19.5
224207 2005 ST_{12}	17.0	X	273.03580	242.13699	185.41273	2.60673	0.1807766	0.26082880	2.4260460	20	9 9.3	19.5
224208 2005 SG_{16}	16.8	X	187.46883	264.35674	197.67392	9.36744	0.1475656	0.25042742	2.4927657	20	7 17.4	20.9
224209 2005 SR_{16}	16.5	X	317.99913	193.99450	327.70960	2.38958	0.0213345	0.22181308	2.7027836	20	—	—
224210 2005 SQ_{20}	16.2	X	90.43201	208.68725	167.76466	3.76205	0.2067446	0.21743560	2.7389385	20	—	—
224211 2005 SX_{21}	16.4	X	282.96468	336.10037	314.09327	4.50425	0.0584281	0.23984378	2.5655693	20	3 30.6	19.9
224212 2005 SJ_{23}	16.7	X	299.80472	229.27879	160.46543	1.22495	0.1906887	0.26093619	2.4253803	20	8 31.0	18.7
224213 2005 ST_{23}	16.9	X	260.95664	275.33585	126.97482	5.68654	0.1970256	0.25491430	2.4634282	20	7 14.5	20.1
224214 2005 SS_{32}	17.0	X	309.22553	219.41571	61.91304	4.57609	0.0980243	0.24304847	2.5429674	20	4 21.5	19.9
224215 2005 SV_{32}	17.3	X	180.19419	237.90789	156.16850	3.75737	0.1099463	0.23754276	2.5821107	20	4 16.6	21.2
224216 2005 SY_{35}	16.9	X	171.53906	18.44560	11.82474	5.67893	0.1840235	0.23472284	2.6027501	20	4 4.4	21.1
224217 2005 SQ_{36}	17.3	X	271.20102	225.04099	179.88199	2.51435	0.2157177	0.25630743	2.4544937	20	7 28.8	20.4
224218 2005 SY_{37}	16.6	X	185.24172	82.60036	18.91165	8.89421	0.0878066	0.25120207	2.4876383	20	7 21.4	20.3
224219 2005 SQ_{38}	17.5	X	1.74404	19.37651	258.45387	0.37332	0.1620661	0.25503101	2.4626766	20	7 20.9	19.3
224220 2005 SL_{46}	17.1	X	259.04833	280.02396	7.12192	11.36266	0.2517049	0.23848235	2.5753241	20	2 14.6	21.5
224221 2005 SL_{52}	17.4	X	318.77557	95.00713	224.92518	0.60155	0.1971082	0.25753773	2.4466704	20	6 17.8	19.6
224222 2005 ST_{52}	17.1	X	304.36237	299.85168	62.31931	2.31642	0.1967749	0.25715010	2.4491286	20	7 26.5	19.4
224223 2005 SJ_{53}	17.1	X	53.37711	84.44437	226.05248	2.76888	0.1233323	0.27056329	2.3675008	20	11 28.4	20.0
224224 2005 SZ_{54}	16.6	X	113.58831	110.95565	23.83507	4.65581	0.0565228	0.24306373	2.5428609	20	6 5.4	20.0
224225 2005 SY_{59}	17.4	X	211.43236	307.70110	204.57855	0.88323	0.1217829	0.26420228	2.4053503	20	10 22.9	20.6
224226 2005 SA_{61}	16.8	X	82.98642	286.67723	189.82327	4.34041	0.2239366	0.23095549	2.6309778	20	4 28.5	20.2
224227 2005 SJ_{61}	16.9	X	146.52693	35.10910	23.90028	4.16562	0.1156777	0.23536912	2.5979835	20	4 12.3	20.6
224228 2005 SM_{65}	16.3	X	285.43591	269.25274	359.72381	31.87123	0.1546897	0.23953618	2.5677651	20	3 5.2	20.1
224229 2005 SH_{66}	16.7	X	283.75590	197.41793	223.80156	5.94494	0.0884435	0.26271995	2.4143896	20	10 1.6	19.4
224230 2005 SO_{69}	16.4	X	320.10081	184.77929	80.48648	1.00623	0.0476857	0.24190975	2.5509413	20	4 21.8	19.3
224231 2005 SM_{72}	17.4	X	354.21822	239.79550	103.95372	1.87821	0.1840013	0.26438850	2.4042208	20	10 24.7	19.5
224232 2005 SK_{80}	16.8	X	144.33589	90.70260	25.17871	4.95560	0.2431095	0.24342518	2.5403432	20	6 29.6	21.2
224233 2005 SL_{84}	17.4	X	336.40740	293.45121	13.33730	3.63464	0.1248948	0.25445937	2.4663635	20	7 13.4	19.7
224234 2005 SO_{86}	17.3	X	17.66588	131.55211	163.17693	2.96151	0.1686280	0.26086757	2.4258055	20	9 21.4	19.6
224235 2005 SY_{89}	16.7	X	250.79602	93.49975	207.01654	3.23521	0.1613918	0.23656732	2.5892037	20	2 25.1	20.7
224236 2005 SA_{94}	17.4	X	56.01977	95.38108	198.46614	1.72809	0.1992498	0.27233606	2.3572155	20	11 19.9	20.6
224237 2005 SB_{99}	15.6	X	297.52555	242.79450	352.74285	11.83613	0.2275300	0.23330256	2.6133027	20	1 21.3	19.6
224238 2005 SW_{105}	16.4	X	80.42496	261.33299	184.97971	12.56334	0.2392641	0.22232809	2.6986081	20	3 17.2	19.7
224239 2005 SU_{107}	16.2	X	292.36549	221.22191	8.07199	7.43858	0.1530437	0.23070998	2.6328440	20	1 16.2	20.0
224240 2005 SY_{110}	17.1	X	266.08290	292.88903	205.72832	2.34509	0.1129503	0.27227272	2.3575810	20	12 23.7	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224241 2005 SX_{116}	16.7	X	199.54840	102.99869	187.99844	4.93665	0.1733632	0.23005014	2.6378760	20	1 1.0	21.2
224242 2005 SR_{119}	17.0	X	4.93764	70.09598	206.04062	2.00651	0.1757732	0.25873219	2.4391345	20	7 26.5	19.0
224243 2005 ST_{126}	17.0	X	263.32701	268.64202	197.53421	1.42890	0.0620109	0.26726930	2.3869134	20	11 9.4	19.6
224244 2005 SY_{126}	17.0	X	140.72996	168.25273	16.79829	2.14396	0.1486295	0.25976490	2.4326655	20	9 20.7	20.6
224245 2005 SN_{129}	17.0	X	244.38259	313.38876	19.18017	14.01958	0.3057172	0.24285003	2.5443525	20	3 23.0	21.4
224246 2005 SJ_{155}	16.2	X	347.06177	259.61107	56.20646	7.27991	0.1570539	0.26124237	2.4234848	20	8 24.8	18.4
224247 2005 SV_{165}	16.9	X	283.16973	268.96632	103.09749	4.12967	0.0376679	0.25509151	2.4622872	20	7 30.0	19.7
224248 2005 SM_{172}	16.9	X	323.06275	151.45743	228.18246	4.47874	0.2398065	0.26406930	2.4061578	20	10 6.9	18.4
224249 2005 SD_{185}	17.1	X	160.05660	173.92275	245.28909	2.44935	0.0400242	0.23900459	2.5715712	20	4 21.4	20.5
224250 2005 SP_{191}	16.3	X	218.85154	139.77040	200.19594	11.10304	0.1217850	0.23622517	2.5917032	20	3 15.2	20.3
224251 2005 SQ_{191}	17.5	X	224.51657	65.46286	44.78571	1.81355	0.1464654	0.25686825	2.4509198	20	9 9.2	20.8
224252 2005 SG_{193}	15.6	X	109.50119	13.48396	53.60418	16.86543	0.1885597	0.22469945	2.6795881	20	3 30.8	19.7
224253 2005 SK_{194}	15.6	X	179.46567	350.41086	95.61527	15.02453	0.2158045	0.24398305	2.5364693	20	6 20.3	19.8
224254 2005 SP_{198}	17.3	X	265.15299	90.66182	344.58355	2.29281	0.2181910	0.26140234	2.4224960	20	9 2.4	20.1
224255 2005 SV_{213}	16.6	X	207.53568	46.83221	301.63833	9.54445	0.1087720	0.23645756	2.5900048	20	3 12.2	20.7
224256 2005 SB_{217}	16.3	X	189.43584	298.48821	115.53126	3.62679	0.0689364	0.24180483	2.5516792	20	5 21.9	19.9
224257 2005 SR_{224}	17.1	X	160.99333	267.12440	194.45767	5.47318	0.1455291	0.24483724	2.5305664	20	6 22.5	21.1
224258 2005 SK_{225}	16.6	X	102.01629	177.01082	203.27383	3.09071	0.1012887	0.21944645	2.7221810	20	1 1.6	20.2
224259 2005 SE_{246}	16.6	X	178.59382	322.73686	204.28394	3.16466	0.0697906	0.26122553	2.4235890	20	10 8.7	19.7
224260 2005 SD_{247}	16.7	X	112.43430	167.07640	23.95265	4.69171	0.1533891	0.25311143	2.4751121	20	9 1.5	20.4
224261 2005 SR_{248}	17.3	X	130.33203	63.48411	6.95918	14.26863	0.1564824	0.23317094	2.6142860	20	4 10.9	21.4
224262 2005 SE_{250}	16.5	X	247.30755	71.23123	22.23051	7.08177	0.0791414	0.26336977	2.4104165	20	9 27.2	19.5
224263 2005 SY_{253}	17.0	X	250.96155	129.28379	269.01640	2.38951	0.1482652	0.25516218	2.4618325	20	7 3.6	20.3
224264 2005 SH_{254}	16.8	X	326.13245	220.62298	130.63060	6.53828	0.1425805	0.26257061	2.4153050	20	9 2.5	18.9
224265 2005 SO_{255}	16.5	X	247.74701	5.75473	31.06323	7.40561	0.0959236	0.25344229	2.4729576	20	7 5.7	19.9
224266 2005 SH_{266}	16.7	X	299.31101	54.73707	323.70160	6.97005	0.0745804	0.26058593	2.4275531	20	8 27.7	19.5
224267 2005 SP_{279}	16.9	X	261.49156	65.70846	43.57185	5.70555	0.1294023	0.26541270	2.3980317	20	10 31.4	19.4
224268 2005 ST_{281}	16.8	X	166.31966	11.43885	58.71624	3.80706	0.0762673	0.24158355	2.5532370	20	5 15.9	20.4
224269 2005 TV	16.8	X	261.65662	200.92259	195.51305	14.20933	0.2305344	0.25583018	2.4575453	20	6 30.9	20.5
224270 2005 TP_{30}	17.1	X	302.42649	210.89997	172.41723	4.45207	0.2069275	0.26326543	2.4110534	20	8 23.2	19.1
224271 2005 TT_{37}	17.0	X	163.32909	321.52777	197.67164	7.39956	0.2042456	0.25799536	2.4437763	20	9 5.9	21.2
224272 2005 TD_{43}	17.0	X	19.13551	65.90859	206.99573	4.04408	0.1247968	0.25715301	2.4491101	20	8 12.2	19.5
224273 2005 TW_{43}	16.8	X	189.66892	350.71069	36.32014	10.84432	0.2012142	0.23713842	2.5850450	20	4 17.3	21.1
224274 2005 TK_{51}	16.4	X	132.34587	268.97046	200.93622	14.36162	0.0852573	0.23805730	2.5783886	20	5 30.9	20.3
224275 2005 TU_{51}	16.0	X	248.17498	265.90815	25.64169	13.47211	0.1433356	0.23272947	2.6175910	20	2 20.8	20.3
224276 2005 TC_{52}	16.5	X	87.67768	89.46667	286.39166	4.74230	0.1787770	0.28434387	2.2903761	20	—	—
224277 2005 TU_{52}	16.6	X	358.40965	192.99445	11.78729	4.62600	0.0112589	0.23679156	2.5875688	20	3 28.4	19.9
224278 2005 TH_{53}	16.7	X	189.41542	213.32068	217.48412	9.77755	0.0465480	0.24574514	2.5243298	20	6 13.2	20.3
224279 2005 TL_{56}	16.4	X	274.78071	231.15665	21.60021	7.95392	0.1081537	0.23192406	2.6236477	20	1 31.9	20.3
224280 2005 TZ_{56}	17.3	X	174.02283	345.33919	127.93593	1.49347	0.0581061	0.25030965	2.4935476	20	7 22.2	20.6
224281 2005 TT_{62}	16.7	X	180.97954	211.18397	181.28453	4.04619	0.0340877	0.23661773	2.5888359	20	4 13.1	20.1
224282 2005 TH_{69}	17.3	X	35.67031	249.37791	28.34385	4.14967	0.0973064	0.26090229	2.4255903	20	9 15.9	20.1
224283 2005 TU_{71}	16.5	X	349.76406	259.41723	54.35185	7.31948	0.1602492	0.26118332	2.4238501	20	8 27.9	18.7
224284 2005 TZ_{77}	15.4	X	145.37601	302.20873	37.05004	16.78950	0.1626920	0.22032609	2.7149308	20	1 12.1	19.8
224285 2005 TT_{82}	15.7	X	200.22585	309.86655	15.25724	15.76389	0.1754672	0.23039021	2.6352796	20	2 17.8	20.3
224286 2005 TW_{94}	16.8	X	276.57141	237.47060	213.54692	6.54816	0.0829498	0.26582367	2.3955594	20	11 5.5	19.5
224287 2005 TE_{98}	17.1	X	258.52104	26.27122	66.18874	3.03363	0.1336280	0.26085065	2.4259104	20	10 2.6	19.9
224288 2005 TD_{100}	17.1	X	164.68158	139.79851	314.33501	1.58238	0.1006709	0.24475837	2.5311100	20	6 15.6	20.8
224289 2005 TA_{101}	16.9	X	260.35284	38.43187	52.13096	1.81236	0.1477372	0.26175796	2.4203014	20	9 29.7	19.5
224290 2005 TM_{107}	16.3	X	117.25802	208.91574	237.52620	5.31298	0.1728058	0.22387523	2.6861608	20	4 21.3	20.2
224291 2005 TU_{109}	16.6	X	222.11990	307.48107	210.85856	5.72509	0.0657272	0.27005343	2.3704797	20	11 23.1	19.6
224292 2005 TC_{126}	17.7	X	184.84905	30.42525	39.73231	1.68565	0.1067859	0.24347438	2.5400009	20	6 5.6	21.5
224293 2005 TU_{126}	17.1	X	298.24934	287.62763	20.44334	3.55070	0.1268763	0.24620682	2.5211731	20	5 5.7	20.1
224294 2005 TW_{126}	17.0	X	351.47063	176.80024	16.99193	2.67204	0.0583946	0.23182796	2.6243727	20	3 1.9	20.3
224295 2005 TG_{127}	17.2	X	243.84423	89.93735	357.18766	1.17634	0.1485941	0.25694052	2.4504602	20	8 31.5	20.3
224296 2005 TC_{142}	16.7	X	90.34874	302.55706	190.35212	12.65394	0.2123594	0.23499359	2.6007506	20	5 28.6	20.5
224297 2005 TG_{152}	17.2	X	249.23043	7.83569	43.44279	6.97433	0.1125515	0.25216546	2.4812983	20	7 26.7	20.6
224298 2005 TV_{160}	16.5	X	192.98141	125.60359	279.63339	2.63363	0.0354099	0.24162749	2.5529275	20	5 13.5	19.9
224299 2005 TA_{171}	17.4	X	201.24752	38.61933	351.08511	4.46680	0.3150800	0.23981481	2.5657759	20	4 25.5	22.2
224300 2005 TR_{182}	16.5	X	262.80364	310.74059	72.74989	7.00173	0.1220198	0.25352288	2.4724335	20	7 2.4	19.6
224301 2005 TN_{184}	17.0	X	75.20911	232.68519	7.00286	6.77323	0.1172511	0.26299057	2.4127330	20	9 20.2	20.1
224302 2005 TM_{190}	16.1	X	264.28844	318.12302	348.01029	11.74566	0.1868471	0.23960563	2.5672689	20	3 13.9	19.9
224303 2005 TU_{190}	17.0	X	208.14619	273.47066	58.15410	6.72035	0.0359737	0.22629458	2.6669812	20	3 2.1	20.8
224304 2005 TL_{192}	17.1	X	150.98798	221.15637	191.60151	12.96301	0.1677660	0.23288229	2.6164458	20	4 13.9	21.1
224305 2005 UW_{4}	16.3	X	133.09632	66.29684	22.39006	11.83721	0.1710875	0.23348772	2.6119209	20	5 8.4	20.5
224306 2005 UV_{8}	16.0	X	14.06208	335.93836	39.69831	6.75038	0.2288833	0.27255053	2.3559787	20	—	—
224307 2005 UA_{12}	16.3	X	208.42261	146.48835	160.80878	4.27095	0.0869669	0.22531274	2.6747235	20	1 27.9	20.4
224308 2005 UE_{12}	16.6	X	199.67633	261.17201	86.19443	3.27525	0.1458454	0.23158863	2.6261805	20	3 9.6	20.8
224309 2005 UP_{16}	16.2	X	113.09417	286.02650	203.74602	9.50601	0.0251708	0.24088754	2.5581529	20	5 26.1	19.6
224310 2005 UW_{19}	16.7	X	125.88700	160.75407	265.06332	0.88928	0.0393612	0.22849128	2.6498602	20	3 19.3	20.3
224311 2005 UE_{22}	17.6	X	142.41453	108.23247	6.93740	2.65122	0.0605443	0.24279289	2.5447516	20	6 15.9	21.2
224312 2005 UL_{24}	17.2	X	162.50473	87.93391	25.26546	6.71177	0.1834429	0.24330618	2.5411714	20	7 10.9	21.4
224313 2005 UT_{24}	16.5	X	195.19263	2.51609	355.80845	1.91101	0.1250177	0.23350677	2.6117788	20	3 16.9	20.5
224314 2005 UQ_{25}	17.0	X	196.29248	0.52151	37.72265	12.87950	0.1800507	0.23961267	2.5672187	20	5 4.9	21.2
224315 2005 UH_{28}	16.4	X	157.82112	330.16704	35.63695	2.38068	0.0774928	0.22678984	2.6630970	20	2 16.1	20.2
224316 2005 UR_{29}	15.9	X	144.15226	312.38363	38.66862	13.88946	0.2741492	0.22412227	2.6841866	20	2 6.9	20.6
224317 2005 UL_{30}	16.2	X	221.60292	300.94853	40.32388	10.10440	0.2134215	0.23536469	2.5980162	20	3 21.9	20.7
224318 2005 UQ_{34}	15.8	X	153.87273	185.27236	226.31889	10.29996	0.0949262	0.23235214	2.6204242	20	4 7.3	19.8
224319 2005 UZ_{36}	17.0	X	165.29803	359.25903	42.22274	1.59795	0.0970044	0.23347601	2.6120082	20	4 9.1	20.9
224320 2005 UT_{38}	16.4	X	147.79965	324.83834	70.88957	4.10881	0.1050332	0.22819333	2.6521663	20	3 16.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224321 2005 UQ_{39}	16.7	X	265.35411	14.93990	223.89431	3.65456	0.0602716	0.21960334	2.7208844	20	1 7.9	20.6
224322 2005 UY_{39}	16.0	X	142.94673	259.02994	57.77402	10.41510	0.1219643	0.21370495	2.7707223	20	—	—
224323 2005 UK_{43}	16.1	X	139.76978	61.62816	31.13572	22.17868	0.1129077	0.23635147	2.5907799	20	5 12.9	20.1
224324 2005 UG_{46}	17.2	X	129.87418	225.16507	190.34546	2.24775	0.0739175	0.22848050	2.6499435	20	3 15.7	20.8
224325 2005 UJ_{46}	16.8	X	135.50035	291.92604	143.74099	1.64527	0.0424870	0.23306871	2.6150505	20	4 14.6	20.3
224326 2005 UN_{46}	16.3	X	74.18454	216.58218	186.35872	5.51050	0.0313720	0.21518320	2.7580183	20	—	—
224327 2005 UH_{50}	16.9	X	220.09600	40.31247	308.21874	1.68935	0.2409599	0.23832046	2.5764902	20	3 23.5	21.2
224328 2005 UL_{51}	15.6	X	344.30531	7.48431	247.22932	7.40858	0.1724561	0.24292758	2.5438110	20	5 1.8	17.9
224329 2005 UZ_{52}	17.0	X	125.24284	3.22848	103.68946	4.74223	0.1591016	0.23611941	2.5924770	20	5 26.2	20.9
224330 2005 UC_{56}	15.8	X	102.92498	208.76114	228.86965	11.01100	0.1571147	0.22577944	2.6710363	20	3 19.6	19.7
224331 2005 UY_{58}	16.1	X	252.08553	295.46357	27.55639	4.95693	0.0637720	0.23547078	2.5972358	20	4 6.3	19.7
224332 2005 UW_{59}	15.6	X	234.47407	303.73816	31.65920	14.91153	0.1452787	0.23635684	2.5907406	20	3 29.9	19.7
224333 2005 UK_{60}	16.3	X	100.92296	76.02517	265.35967	3.07526	0.1935278	0.28068382	2.3102437	20	—	—
224334 2005 UX_{60}	16.5	X	106.88156	29.32547	48.74163	7.00818	0.0945492	0.22756070	2.6570795	20	3 22.9	20.1
224335 2005 UL_{62}	16.9	X	98.71456	68.99245	56.20206	4.55866	0.1499763	0.23241330	2.6199645	20	5 18.2	20.5
224336 2005 UQ_{63}	16.6	X	44.80701	112.29203	75.20303	1.85352	0.0778255	0.23535801	2.5980653	20	5 15.9	19.6
224337 2005 UN_{67}	17.0	X	272.39226	359.47940	73.62726	3.46617	0.1658390	0.25895780	2.4377176	20	9 21.3	19.6
224338 2005 UO_{67}	16.9	X	171.83089	291.86531	146.20495	4.80528	0.1685959	0.24049593	2.5609291	20	6 3.9	21.0
224339 2005 UP_{69}	16.2	X	195.03611	78.96077	227.53762	4.73155	0.0304106	0.22232076	2.6986674	20	1 11.6	20.1
224340 2005 UR_{73}	15.7	X	34.85735	286.93536	224.90358	12.71108	0.1263553	0.22594145	2.6697593	20	3 9.6	18.9
224341 2005 UV_{76}	16.9	X	222.69598	206.72719	171.06087	13.72479	0.1859569	0.24191511	2.5509036	20	5 6.8	21.2
224342 2005 UW_{76}	15.7	X	201.65725	298.82657	85.59824	16.16009	0.1047416	0.23872631	2.5735692	20	5 1.8	19.8
224343 2005 UU_{79}	16.3	X	234.95638	261.40490	46.42986	13.12276	0.1991752	0.23275223	2.6174204	20	2 25.3	20.9
224344 2005 UQ_{90}	15.9	X	56.26700	190.93538	303.37210	4.66286	0.1207079	0.22811470	2.6527757	20	3 23.7	19.0
224345 2005 UT_{90}	16.0	X	320.56497	174.61175	21.91652	14.52590	0.0809306	0.22324740	2.6911946	20	1 24.3	19.8
224346 2005 UF_{103}	16.4	X	229.23275	99.52494	212.38566	6.69095	0.2141568	0.23200913	2.6230063	20	2 15.9	21.0
224347 2005 UO_{103}	17.1	X	176.56222	223.34231	213.98480	6.37241	0.1691702	0.23964314	2.5670011	20	6 6.8	21.3
224348 2005 US_{104}	16.6	X	45.67850	294.49977	159.68670	2.61110	0.0710729	0.21841582	2.7307377	20	1 12.5	19.8
224349 2005 UG_{105}	16.4	X	92.45522	337.65928	115.93606	3.22500	0.0369172	0.22769060	2.6560687	20	3 13.9	19.8
224350 2005 UA_{107}	16.6	X	201.45158	235.79204	91.02537	3.32940	0.2050463	0.22949529	2.6421260	20	2 15.4	21.0
224351 2005 UN_{109}	16.2	X	103.15321	102.31534	30.87416	7.65060	0.1391859	0.23412499	2.6071791	20	5 31.5	19.9
224352 2005 UB_{111}	17.2	X	232.06564	344.53787	34.01583	5.33070	0.2058467	0.24227569	2.5483720	20	5 11.3	21.1
224353 2005 UD_{111}	16.4	X	60.15107	99.80297	29.26093	5.65693	0.0686528	0.22667823	2.6639711	20	3 20.7	19.7
224354 2005 UM_{111}	16.3	X	175.67952	352.59093	32.45486	6.22953	0.1313686	0.23169626	2.6253670	20	4 1.6	20.3
224355 2005 UH_{112}	17.1	X	164.86279	53.78474	12.50502	2.35022	0.2004256	0.23563344	2.5960403	20	5 13.3	21.3
224356 2005 UJ_{112}	16.3	X	79.37314	335.45290	41.33419	14.95472	0.1747854	0.21287871	2.7778869	20	—	—
224357 2005 UP_{112}	17.0	X	130.32671	52.23563	44.14464	14.02308	0.1723408	0.23319327	2.6141191	20	5 16.8	21.1
224358 2005 UE_{116}	16.8	X	248.82994	302.41263	16.46687	4.17476	0.2548581	0.23945980	2.5683112	20	3 11.6	21.2
224359 2005 UX_{117}	16.8	X	208.71434	13.57218	275.20858	1.20569	0.1769887	0.22493093	2.6777494	20	1 7.1	21.2
224360 2005 UK_{122}	17.0	X	215.63020	82.02005	221.57290	5.45469	0.0826919	0.22665019	2.6641908	20	1 29.5	21.1
224361 2005 UX_{128}	16.6	X	93.86921	189.33721	36.87502	2.88079	0.1515708	0.25401621	2.4692313	20	9 26.8	20.3
224362 2005 UT_{130}	16.8	X	158.25648	205.27395	251.49836	3.11799	0.1626410	0.23868399	2.5738734	20	6 14.2	20.8
224363 2005 UW_{134}	17.8	X	233.83621	95.50978	350.29546	3.64458	0.1987746	0.25727273	2.4483503	20	8 11.7	21.2
224364 2005 UX_{135}	17.1	X	109.76442	103.31980	354.12898	1.82047	0.0531162	0.23643939	2.5901376	20	4 10.6	20.6
224365 2005 UV_{141}	15.8	X	98.89523	242.44122	200.26353	15.11094	0.0078449	0.22820031	2.6521122	20	2 27.8	19.6
224366 2005 UN_{151}	16.8	X	260.98456	330.80628	306.16582	1.35826	0.1765497	0.22976695	2.6400430	20	2 6.7	20.9
224367 2005 UK_{152}	16.6	X	122.28784	153.99468	238.88546	2.13610	0.0815787	0.22321845	2.6914273	20	2 7.9	20.4
224368 2005 US_{154}	16.8	X	207.98395	76.30017	233.17874	2.83750	0.0819863	0.22413143	2.6841135	20	1 29.9	20.9
224369 2005 UE_{155}	16.7	X	353.26269	75.49975	225.87323	2.25453	0.1651923	0.25220155	2.4810616	20	8 8.1	18.9
224370 2005 UX_{159}	16.3	X	329.59237	304.45745	58.04263	7.14118	0.1329770	0.26017930	2.4300818	20	9 29.9	18.6
224371 2005 UD_{164}	16.3	X	299.92329	354.47632	262.19781	2.62471	0.2171213	0.23564906	2.5959256	20	2 15.8	19.9
224372 2005 UQ_{168}	17.5	X	200.85622	245.33163	240.38149	0.67567	0.1327538	0.25443537	2.4665186	20	9 3.3	21.1
224373 2005 UY_{173}	17.1	X	225.73781	297.95898	29.12413	3.63136	0.2072785	0.23477028	2.6023995	20	3 5.9	21.4
224374 2005 UF_{178}	16.5	X	248.35033	293.09959	27.16200	5.13805	0.2277145	0.23766303	2.5812394	20	3 15.5	20.7
224375 2005 UU_{180}	15.7	X	171.35526	148.07958	223.06569	12.82313	0.1109302	0.22855738	2.6493493	20	3 4.6	20.0
224376 2005 UH_{181}	16.6	X	47.18744	72.64874	67.04383	5.92353	0.0377419	0.22698392	2.6615788	20	3 14.5	20.0
224377 2005 UP_{182}	15.9	X	206.33635	263.00533	55.57223	4.61769	0.1936279	0.22758789	2.6568678	20	2 10.5	20.5
224378 2005 UD_{183}	16.7	X	99.73359	34.94048	59.92185	3.17707	0.0564107	0.22812327	2.6527093	20	3 28.1	20.2
224379 2005 UZ_{186}	16.5	X	218.32486	303.79525	33.07822	4.94901	0.2253200	0.23495266	2.6010527	20	3 11.5	21.0
224380 2005 UH_{187}	17.3	X	159.15508	35.65401	77.82003	1.74273	0.0425569	0.24320201	2.5418969	20	7 3.7	20.7
224381 2005 UW_{193}	17.0	X	64.06602	104.70003	51.55884	4.07511	0.0896924	0.23707153	2.5855312	20	5 3.5	20.0
224382 2005 UB_{194}	16.6	X	328.97241	72.67828	193.59808	2.85177	0.1353803	0.24226326	2.5484592	20	4 25.9	19.3
224383 2005 UY_{194}	16.2	X	177.52639	177.16415	193.17463	3.02598	0.0432633	0.22948940	2.6421713	20	3 10.9	20.0
224384 2005 UH_{197}	15.5	X	200.28820	8.04982	215.09167	5.63603	0.2497065	0.20262734	2.8708071	20	12 14.3	20.3
224385 2005 UY_{199}	16.6	X	180.50673	162.67206	193.44231	2.20611	0.0981154	0.22890416	2.6466728	20	2 27.8	20.6
224386 2005 UP_{200}	15.8	X	245.66603	233.86303	53.17934	9.12534	0.0774416	0.22778120	2.6553644	20	2 16.2	19.8
224387 2005 UY_{200}	16.7	X	183.76042	304.80192	73.47229	2.73898	0.1404501	0.23342413	2.6123952	20	4 1.1	20.7
224388 2005 UJ_{201}	16.2	X	98.07262	274.21405	213.71801	7.21965	0.0590451	0.23509671	2.5999900	20	5 8.2	19.6
224389 2005 UX_{203}	16.6	X	5.58123	332.36778	216.82534	5.73816	0.1732189	0.22788789	2.6545356	20	3 8.8	19.3
224390 2005 UL_{205}	15.8	X	144.50783	307.07387	59.16968	7.20685	0.0528850	0.22239024	2.6981053	20	1 31.7	19.7
224391 2005 UA_{206}	17.2	X	167.66748	216.66302	185.62907	1.58121	0.0517281	0.23313033	2.6145896	20	4 10.3	21.0
224392 2005 UB_{207}	16.6	X	297.70007	203.83354	56.66802	4.37548	0.1891281	0.23585201	2.5944362	20	2 25.3	20.1
224393 2005 UQ_{232}	17.7	X	120.75328	301.56525	109.96984	0.81783	0.1359225	0.22629257	2.6669970	20	3 8.7	21.5
224394 2005 UH_{233}	16.7	X	160.48780	294.67852	119.66476	2.91062	0.2195648	0.23405673	2.6076860	20	4 27.3	21.1
224395 2005 UJ_{235}	16.5	X	164.77567	218.24250	165.85971	4.18055	0.1137469	0.23026156	2.6362611	20	3 19.0	20.5
224396 2005 UQ_{253}	16.7	X	251.23847	79.91821	229.04436	7.49975	0.1749924	0.23632966	2.5909392	20	3 3.7	20.8
224397 2005 UE_{259}	16.5	X	248.98705	141.84386	92.02560	3.05363	0.0297760	0.21804508	2.7338322	20	—	—
224398 2005 UP_{260}	15.9	X	249.76334	247.27452	57.17472	10.24572	0.1365849	0.23343361	2.6123245	20	3 8.9	20.0
224399 2005 UA_{265}	17.0	X	4.69420	352.05710	192.02545	3.77938	0.0389921	0.22835537	2.6509115	20	3 8.3	20.4
224400 2005 UM_{276}	16.6	X	121.15874	154.74798	264.53702	1.39040	0.0674822	0.22871405	2.6481392	20	3 8.6	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224401 2005 UP_{279}	17.6	X	265.64157	96.21018	199.29927	2.54664	0.2520811	0.23802470	2.5786241	20	2 25.2	21.7
224402 2005 UH_{294}	16.4	X	127.77117	68.68806	29.17813	8.10940	0.1071806	0.23466241	2.6031970	20	5 9.7	20.2
224403 2005 UF_{305}	16.9	X	181.93997	204.15717	148.31473	7.31014	0.1897999	0.22873832	2.6479519	20	2 29.1	21.3
224404 2005 UZ_{310}	17.2	X	124.08211	294.50558	159.90243	2.25219	0.0958759	0.23648727	2.5897880	20	5 1.6	20.7
224405 2005 UP_{312}	16.5	X	87.53853	77.92781	37.13799	3.08641	0.1265553	0.23051600	2.6343209	20	4 17.0	19.9
224406 2005 UM_{314}	16.3	X	95.09811	246.96541	188.80956	11.09245	0.1495456	0.22624336	2.6673837	20	3 8.2	19.9
224407 2005 UC_{316}	16.7	X	264.83944	141.43345	191.65524	4.19406	0.2061171	0.24303558	2.5430573	20	4 16.6	20.4
224408 2005 UT_{322}	16.3	X	253.65699	118.61237	196.93019	9.13339	0.1301637	0.23682420	2.5873311	20	3 20.4	20.2
224409 2005 UR_{323}	16.1	X	219.87490	296.53268	34.70269	4.20703	0.2124002	0.23255771	2.6188798	20	3 6.4	20.5
224410 2005 UB_{333}	15.9	X	270.09306	28.98283	228.92427	9.73592	0.1627200	0.22923620	2.6441164	20	1 22.2	20.1
224411 2005 UX_{333}	16.8	X	177.31732	251.28909	111.71199	2.66409	0.1364867	0.22827896	2.6515030	20	3 7.3	20.9
224412 2005 UB_{334}	16.7	X	175.83215	192.92110	163.74356	2.17090	0.1041105	0.22626832	2.6671875	20	2 24.7	20.7
224413 2005 UJ_{345}	16.2	X	290.65221	159.12928	80.46784	5.67529	0.0349966	0.22351812	2.6890212	20	2 13.4	19.8
224414 2005 UJ_{348}	15.0	X	333.27437	303.38647	120.45186	11.67813	0.0602074	0.18685763	3.0301362	20	12 7.3	19.0
224415 2005 UB_{349}	15.5	X	165.29031	82.99896	333.79574	21.71193	0.0672593	0.23790551	2.5794853	20	4 14.3	19.7
224416 2005 UY_{355}	16.5	X	257.48668	184.54738	77.04577	5.82929	0.0576819	0.22203094	2.7010153	20	1 28.6	20.4
224417 2005 UL_{358}	17.0	X	100.65754	55.73081	222.69607	4.75232	0.0756759	0.26993390	2.3711795	20	12 6.1	20.4
224418 2005 UC_{360}	17.2	X	97.84574	97.17973	11.17757	1.09263	0.0625700	0.23030346	2.6359413	20	4 11.6	20.5
224419 2005 UA_{389}	16.8	X	319.79722	237.64812	25.71476	6.41673	0.1238085	0.24368114	2.5385639	20	4 7.9	19.7
224420 2005 UA_{396}	16.5	X	349.85196	297.68228	184.46502	9.21110	0.0999298	0.21156210	2.7894000	20	—	—
224421 2005 UD_{397}	15.7	X	238.67613	228.77716	107.87922	12.23539	0.0691543	0.23476222	2.6024591	20	4 13.3	19.6
224422 2005 UT_{398}	15.8	X	167.73405	330.86621	79.10202	12.77288	0.0801694	0.23348664	2.6119289	20	4 26.6	19.8
224423 2005 UA_{403}	16.2	X	322.34557	319.27900	202.31863	5.79901	0.0039969	0.21573830	2.7532853	20	—	—
224424 2005 UC_{404}	16.4	X	330.72719	44.71005	153.62352	4.43413	0.1701083	0.22250903	2.6971449	20	1 22.3	19.5
224425 2005 UD_{412}	16.6	X	153.67729	285.01780	147.68529	2.78153	0.0908915	0.23432291	2.6057108	20	5 6.9	20.4
224426 2005 UJ_{416}	16.3	X	116.70859	330.22774	167.10164	4.07708	0.1130230	0.23987949	2.5653146	20	6 20.3	19.9
224427 2005 US_{416}	16.9	X	76.95897	289.76015	191.25667	5.28626	0.0863615	0.23049835	2.6344553	20	4 3.7	20.1
224428 2005 UC_{418}	16.6	X	58.83445	68.29325	86.83446	4.05772	0.0897606	0.23328605	2.6134259	20	4 25.4	19.7
224429 2005 UL_{433}	16.7	X	257.83992	127.01101	216.02864	0.85526	0.2010661	0.24187767	2.5511668	20	4 22.2	20.3
224430 2005 UV_{443}	15.9	X	357.47935	339.15780	278.98020	6.88228	0.0354406	0.24320531	2.5418740	20	6 8.0	19.0
224431 2005 US_{445}	16.3	X	183.79675	183.61921	194.09256	3.36061	0.1427871	0.23208461	2.6224375	20	3 30.1	20.5
224432 2005 UH_{456}	16.0	X	79.95843	112.46134	350.64575	14.76195	0.0790176	0.22884393	2.6471372	20	3 13.4	19.2
224433 2005 UV_{461}	14.9	X	331.14240	254.85800	122.67669	23.36655	0.1150707	0.17917390	3.1161586	20	10 12.3	19.2
224434 2005 UJ_{465}	16.0	X	329.48089	138.59647	93.53430	4.69585	0.2054646	0.23539625	2.5977839	20	2 29.7	19.0
224435 2005 UK_{472}	16.3	X	249.24789	202.89723	54.11734	2.59916	0.0206252	0.22063833	2.7123688	20	1 16.2	20.0
224436 2005 UQ_{472}	16.8	X	302.47156	84.67965	104.53048	0.72910	0.0703680	0.21655704	2.7463413	20	—	—
224437 2005 UZ_{472}	16.7	X	32.50830	110.69633	31.83047	4.90913	0.0311428	0.22399531	2.6852008	20	2 25.5	20.1
224438 2005 UU_{477}	16.5	X	154.74826	275.57405	178.85426	8.60071	0.1331335	0.23813289	2.5778430	20	6 7.5	20.6
224439 2005 UK_{478}	16.5	X	186.67268	190.54211	182.88731	12.39900	0.1869215	0.23392682	2.6086513	20	3 28.6	20.8
224440 2005 UV_{483}	17.2	X	189.43109	288.24738	145.02809	4.94310	0.1275934	0.24468894	2.5315887	20	6 14.6	21.1
224441 2005 UO_{484}	16.6	X	242.20226	275.23851	83.25379	12.60828	0.1725562	0.24385438	2.5373615	20	5 3.3	20.6
224442 2005 UB_{488}	15.6	X	343.19718	287.05739	256.95809	15.20192	0.1095790	0.22785038	2.6548269	20	1 25.3	19.1
224443 2005 UT_{492}	16.0	X	283.84274	48.76228	265.40397	13.03407	0.1670927	0.24485651	2.5304336	20	4 13.4	19.7
224444 2005 UY_{494}	16.3	X	229.55625	216.02994	135.65390	11.44287	0.2013286	0.23781744	2.5801221	20	4 11.0	20.7
224445 2005 UY_{497}	16.0	X	338.28512	118.06170	114.59383	5.20876	0.0506245	0.23534356	2.5981717	20	4 6.3	19.2
224446 2005 UV_{510}	16.7	X	206.81213	142.37397	207.16465	3.02441	0.1601341	0.23151148	2.6267638	20	3 16.1	20.9
224447 2005 UP_{513}	16.5	X	352.91924	332.74275	142.05549	4.28903	0.0488206	0.21379138	2.7699754	20	—	—
224448 2005 UE_{516}	16.5	X	88.20062	177.18058	210.79011	2.33994	0.0733211	0.21368530	2.7708922	20	—	—
224449 2005 VG_{6}	16.0	X	139.60435	337.16837	43.19961	6.72521	0.0451461	0.22207815	2.7006325	20	2 12.3	19.8
224450 2005 VW_{9}	16.6	X	257.45069	322.21012	355.31519	4.66652	0.2835636	0.24071737	2.5593583	20	3 13.8	20.7
224451 2005 VN_{15}	15.8	X	162.33017	246.48380	97.39590	12.63371	0.2176947	0.22492571	2.6777908	20	2 5.9	20.3
224452 2005 VC_{17}	15.7	X	187.73738	275.87585	158.38741	13.07924	0.1542283	0.23963664	2.5670475	20	6 14.5	20.0
224453 2005 VY_{24}	15.4	X	167.81918	206.00127	242.42593	12.25963	0.1415292	0.23816899	2.5775825	20	6 11.9	19.4
224454 2005 VJ_{25}	16.1	X	323.85487	260.73738	358.88004	5.30975	0.0957132	0.23824149	2.5770595	20	4 11.7	19.0
224455 2005 VR_{27}	16.0	X	268.70850	220.80071	33.78683	13.91658	0.1312387	0.22759574	2.6568067	20	1 27.3	20.2
224456 2005 VA_{28}	15.2	X	303.94075	347.68939	118.86252	11.49075	0.0438780	0.18949904	3.0019126	20	12 19.6	19.2
224457 2005 VU_{30}	16.2	X	98.31662	323.40852	76.82906	6.56418	0.0731507	0.21809856	2.7333853	20	1 19.3	19.8
224458 2005 VT_{34}	16.0	X	239.58541	114.88636	191.59728	5.21794	0.0864886	0.23233134	2.6205806	20	2 27.1	19.9
224459 2005 VM_{37}	16.3	X	172.87347	218.97563	214.41193	6.82741	0.1954205	0.23760129	2.5816866	20	5 29.9	20.7
224460 2005 VU_{37}	16.9	X	289.21143	3.94415	264.35207	3.07620	0.0756547	0.23441041	2.6050624	20	3 8.4	20.5
224461 2005 VY_{39}	16.0	X	220.71154	108.83097	175.76340	9.48351	0.1368949	0.22451309	2.6810707	20	1 11.7	20.5
224462 2005 VT_{41}	16.3	X	217.70243	263.61309	136.45301	8.67023	0.1528889	0.24217052	2.5491097	20	5 31.3	20.3
224463 2005 VW_{41}	16.0	X	182.71736	267.52830	204.70857	11.23111	0.2304664	0.24308789	2.5426925	20	7 22.6	20.6
224464 2005 VP_{43}	16.5	X	201.51699	339.18779	22.83090	3.88165	0.2239393	0.23379605	2.6096240	20	3 27.2	21.0
224465 2005 VE_{44}	17.0	X	75.46538	282.14216	7.62601	6.59734	0.1417847	0.27600768	2.3362641	20	11 28.0	20.4
224466 2005 VH_{52}	16.8	X	205.12563	274.99052	138.49099	5.70323	0.1751050	0.24303622	2.5430528	20	6 3.3	20.9
224467 2005 VL_{54}	16.8	X	290.46557	153.38128	116.67831	3.97189	0.1599367	0.23386708	2.6090956	20	3 3.3	20.3
224468 2005 VE_{55}	16.6	X	103.04638	265.32108	197.04149	7.74791	0.0831148	0.23103975	2.6303381	20	4 14.1	20.0
224469 2005 VX_{55}	16.6	X	25.06947	288.80478	295.69395	3.09938	0.1796619	0.24257668	2.5462636	20	6 17.1	19.0
224470 2005 VA_{56}	17.1	X	105.87566	95.43296	12.41057	4.30747	0.1079068	0.23357608	2.6112621	20	4 27.1	20.7
224471 2005 VS_{62}	16.4	X	82.60442	288.46607	206.16578	8.86736	0.1561333	0.23792702	2.5793298	20	5 11.9	19.7
224472 2005 VQ_{69}	15.7	X	273.66921	346.33139	222.03695	11.95652	0.0809601	0.21410605	2.7672608	20	—	—
224473 2005 VU_{71}	15.5	X	303.68557	169.68203	67.51204	14.19098	0.1315955	0.22615061	2.6681129	20	2 16.2	19.4
224474 2005 VL_{73}	16.6	X	253.19973	95.00732	189.29037	4.36409	0.0339102	0.22522379	2.6754276	20	2 20.5	20.4
224475 2005 VT_{73}	16.4	X	2.57633	10.66864	183.22619	4.02364	0.0155650	0.22807714	2.6530670	20	3 19.9	19.9
224476 2005 VT_{74}	17.1	X	155.66925	327.86670	98.19309	3.48150	0.1719413	0.23299414	2.6156084	20	5 5.3	21.2
224477 2005 VU_{74}	16.2	X	15.80067	42.68681	86.66682	6.14307	0.0650754	0.21702841	2.7423633	20	1 14.8	19.5
224478 2005 VN_{75}	15.7	X	140.77461	157.16058	285.55506	11.80324	0.2557619	0.22921062	2.6443132	20	5 14.6	20.4
224479 2005 VA_{83}	16.3	X	13.99754	334.21289	206.09549	8.16778	0.0849007	0.22730018	2.6591093	20	3 15.1	19.4
224480 2005 VH_{86}	16.3	X	199.75848	253.61278	126.02033	4.64326	0.1023471	0.23407378	2.6075594	20	4 19.4	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224481 2005 VZ_{86}	15.2	X	246.35075	338.08664	116.50565	9.53087	0.0805620	0.17708722	3.1405900	20	9 16.8	19.8
224482 2005 VN_{91}	16.5	X	238.94761	176.58850	159.20515	2.72285	0.2301348	0.23681442	2.5874023	20	3 25.1	20.7
224483 2005 VQ_{98}	15.6	X	152.98198	132.92701	313.17854	12.60577	0.1176226	0.23767566	2.5811480	20	5 21.4	19.7
224484 2005 VB_{100}	17.2	X	26.41036	149.50853	23.14334	9.06834	0.1572906	0.23057418	2.6338776	20	3 31.5	19.8
224485 2005 VP_{106}	16.3	X	180.03542	61.42426	223.60575	5.77366	0.0561007	0.21605569	2.7505882	20	—	—
224486 2005 VW_{116}	16.2	X	284.49274	276.47359	40.40531	14.34658	0.2148172	0.24335033	2.5408640	20	4 18.2	19.7
224487 2005 VZ_{123}	17.0	X	159.31938	348.88997	37.14563	3.08688	0.1035061	0.22689012	2.6623123	20	3 16.1	20.9
224488 2005 WQ_{1}	15.4	X	241.22472	351.66404	16.60688	27.47792	0.2277410	0.24037267	2.5618045	20	4 26.9	19.9
224489 2005 WT_{2}	16.1	X	152.50561	167.83062	203.61897	14.80588	0.1436893	0.22602537	2.6690984	20	2 18.2	20.5
224490 2005 WK_{3}	15.8	X	191.30244	133.69046	227.86249	13.77518	0.1788403	0.23085894	2.6317114	20	3 13.2	20.4
224491 2005 WB_{7}	16.3	X	214.96411	260.13533	77.78112	4.59531	0.1296025	0.23136647	2.6278613	20	3 13.4	20.4
224492 2005 WQ_{7}	15.6	X	115.56962	208.14892	249.19563	12.48140	0.0896283	0.23026327	2.6362481	20	4 21.1	19.4
224493 2005 WS_{7}	16.4	X	149.63451	269.64022	179.00271	3.99822	0.1713764	0.23531066	2.5984138	20	5 27.8	20.6
224494 2005 WN_{9}	16.8	X	31.71657	244.45829	258.90621	0.76056	0.0626527	0.22419198	2.6836302	20	2 23.8	19.9
224495 2005 WT_{16}	16.7	X	125.72418	138.46349	244.82193	1.20730	0.0848839	0.22006850	2.7170489	20	2 1.5	20.3
224496 2005 WU_{17}	16.9	X	79.64575	69.90009	61.39486	7.87253	0.2230909	0.22830873	2.6512725	20	5 13.7	20.2
224497 2005 WL_{20}	16.5	X	186.65786	317.28774	358.42755	2.60714	0.0588552	0.21936029	2.7228938	20	1 16.6	20.4
224498 2005 WA_{21}	16.5	X	205.36105	70.33554	303.54367	3.25943	0.1250350	0.23478539	2.6022879	20	4 13.5	20.5
224499 2005 WZ_{21}	16.2	X	156.75924	284.94672	53.34532	5.78917	0.1712218	0.22035287	2.7147108	20	1 21.8	20.6
224500 2005 WB_{24}	16.3	X	213.50816	348.46968	20.14428	2.62707	0.1633472	0.23646016	2.5899859	20	4 14.9	20.4
224501 2005 WP_{27}	16.3	X	228.65167	302.85872	42.15784	2.44239	0.1856853	0.23510439	2.5999334	20	3 30.3	20.6
224502 2005 WD_{28}	16.8	X	163.79164	58.02461	51.34337	5.27364	0.1727503	0.24003888	2.5641789	20	7 6.2	21.0
224503 2005 WF_{28}	16.7	X	30.97228	195.23562	286.05411	2.79950	0.0383092	0.21904962	2.7254678	20	1 25.3	20.1
224504 2005 WQ_{28}	17.4	X	154.46329	132.39106	339.79778	1.37738	0.0608939	0.24011525	2.5636352	20	6 26.7	21.0
224505 2005 WQ_{29}	17.0	X	119.86570	100.06826	19.30268	2.23806	0.1536384	0.23378975	2.6096709	20	6 3.9	20.8
224506 2005 WA_{32}	16.2	X	174.50612	318.04608	48.94177	4.99739	0.1725317	0.22745573	2.6578969	20	3 12.3	20.5
224507 2005 WJ_{35}	15.9	X	222.14242	279.97501	65.30303	4.81344	0.1990790	0.23398384	2.6082275	20	3 26.0	20.2
224508 2005 WL_{37}	16.2	X	201.00343	275.80487	109.00656	1.55033	0.0270732	0.23330428	2.6132899	20	4 28.0	19.8
224509 2005 WU_{37}	16.0	X	39.46784	196.37498	244.11349	3.35895	0.0384108	0.21183267	2.7870243	20	—	—
224510 2005 WW_{41}	16.0	X	161.12897	343.34039	239.09607	4.28435	0.1211653	0.19641893	2.9309866	20	11 15.9	20.7
224511 2005 WE_{43}	16.7	X	150.25759	331.71816	63.88206	4.05826	0.1023395	0.22644198	2.6658237	20	3 19.2	20.7
224512 2005 WT_{47}	17.2	X	357.24753	168.12364	357.77374	1.01329	0.0095211	0.22145804	2.7056716	20	2 7.3	20.8
224513 2005 WS_{48}	16.5	X	249.76377	311.21795	47.60353	1.92371	0.1115647	0.23893306	2.5720844	20	5 14.2	20.0
224514 2005 WK_{67}	16.7	X	164.98025	180.28804	208.66149	1.84382	0.0703284	0.22880892	2.6474072	20	3 21.8	20.6
224515 2005 WT_{70}	16.7	X	261.45956	299.17233	71.06640	2.73762	0.0952876	0.24327442	2.5413926	20	6 15.7	20.0
224516 2005 WD_{71}	16.3	X	138.13525	358.06095	37.46624	8.47183	0.0819348	0.22538327	2.6741654	20	3 5.7	20.2
224517 2005 WG_{71}	16.4	X	199.63679	321.21515	55.39785	4.16106	0.2421555	0.23518915	2.5993087	20	4 12.5	20.8
224518 2005 WT_{71}	16.2	X	215.46149	0.93025	348.57628	4.77974	0.1084058	0.23306931	2.6150459	20	3 25.5	20.1
224519 2005 WH_{72}	16.3	X	235.21760	266.78943	104.46462	14.03073	0.1766720	0.24368578	2.5385317	20	5 12.9	20.4
224520 2005 WO_{72}	15.8	X	282.13424	357.89074	262.65940	10.63822	0.0348381	0.22566834	2.6719129	20	2 21.6	19.6
224521 2005 WY_{72}	15.5	X	49.77080	215.13512	262.50120	14.07206	0.0841310	0.22044750	2.7139339	20	2 12.5	19.1
224522 2005 WS_{74}	15.8	X	142.62064	304.28557	143.99005	14.30769	0.1354084	0.23324165	2.6137576	20	5 21.5	20.1
224523 2005 WG_{77}	16.9	X	196.60499	314.56088	29.29994	2.56268	0.2127263	0.22858370	2.6491459	20	3 2.5	21.3
224524 2005 WQ_{80}	16.8	X	301.91394	273.14811	40.66647	1.37879	0.0968569	0.24067202	2.5596798	20	5 25.1	19.8
224525 2005 WU_{83}	16.4	X	358.12827	168.99414	50.72240	4.94652	0.0744296	0.23241181	2.6199756	20	4 16.1	19.4
224526 2005 WC_{89}	17.1	X	193.76741	284.34889	105.38594	0.21623	0.1815183	0.23598058	2.5934938	20	4 23.2	21.2
224527 2005 WC_{90}	16.2	X	167.89913	342.72203	54.35374	3.56002	0.1411888	0.23173056	2.6251080	20	4 9.2	20.4
224528 2005 WS_{91}	16.6	X	179.68133	200.55466	187.26958	1.61770	0.1807117	0.23256583	2.6188187	20	4 8.8	21.0
224529 2005 WP_{99}	16.4	X	226.83958	196.59315	147.11900	1.00397	0.1236311	0.23289127	2.6163785	20	3 30.3	20.5
224530 2005 WJ_{101}	17.2	X	127.91984	276.32639	179.53834	1.71268	0.0392302	0.23356760	2.6113253	20	5 1.1	20.6
224531 2005 WF_{105}	15.7	X	60.35685	344.73875	162.55700	14.11034	0.0931063	0.22810553	2.6528468	20	4 19.9	19.1
224532 2005 WH_{105}	16.4	X	126.30692	212.26167	198.20674	13.63478	0.2531232	0.22579305	2.6709289	20	3 24.7	20.6
224533 2005 WS_{105}	16.4	X	237.61777	160.75304	192.39455	13.00029	0.2781257	0.24055836	2.5604860	20	4 10.9	20.9
224534 2005 WV_{110}	16.5	X	155.61038	154.51306	227.12459	2.07442	0.1502154	0.22663256	2.6643290	20	3 8.3	20.7
224535 2005 WH_{114}	16.2	X	157.48096	306.54147	46.46239	8.83900	0.1993562	0.22306384	2.6926708	20	2 13.1	20.7
224536 2005 WQ_{116}	16.0	X	115.63323	352.61377	91.03819	10.33111	0.0935387	0.22687506	2.6624300	20	4 12.2	19.9
224537 2005 WK_{119}	16.0	X	143.11821	146.77715	273.00272	11.14423	0.1717811	0.22842878	2.6503435	20	4 9.8	20.5
224538 2005 WB_{120}	16.4	X	208.34068	331.16281	59.07279	4.75958	0.2131684	0.23725527	2.5841961	20	5 5.9	20.7
224539 2005 WN_{120}	15.7	X	49.29240	30.05739	84.12111	10.69185	0.1243436	0.21841092	2.7307786	20	2 22.5	19.0
224540 2005 WX_{120}	16.3	X	154.92661	281.82652	89.06221	3.26360	0.2177885	0.22552878	2.6730150	20	3 1.9	20.8
224541 2005 WQ_{123}	16.7	X	311.37407	59.91835	212.35178	1.31956	0.0696578	0.23959172	2.5673683	20	4 15.2	19.8
224542 2005 WA_{131}	16.3	X	214.99561	220.35958	67.91331	5.87460	0.1252282	0.21993839	2.7181204	20	1 13.3	20.5
224543 2005 WJ_{132}	15.8	X	136.56439	59.81051	250.79092	8.25855	0.1983892	0.21071209	2.7968967	20	—	—
224544 2005 WD_{134}	16.2	X	117.71347	343.54416	94.36335	6.04555	0.0713919	0.22361801	2.6882203	20	4 2.4	20.0
224545 2005 WM_{134}	15.0	X	34.43786	248.98385	98.00601	23.13575	0.1478095	0.19257512	2.9698597	20	12 9.7	19.1
224546 2005 WE_{141}	16.5	X	232.87623	242.64850	67.39471	2.38996	0.1282435	0.22917366	2.6445975	20	2 24.6	20.5
224547 2005 WY_{147}	16.0	X	143.69015	262.51412	273.44792	1.57652	0.0248993	0.18192626	3.0846493	20	8 29.7	20.3
224548 2005 WZ_{147}	16.5	X	157.64553	255.68693	71.49560	9.21856	0.2856005	0.21938813	2.7226635	20	1 17.8	21.2
224549 2005 WV_{148}	16.3	X	127.86656	193.09659	195.64693	12.81440	0.1891963	0.22357178	2.6885909	20	2 20.3	20.6
224550 2005 WW_{148}	16.1	X	350.95222	106.29292	21.08453	4.58913	0.0216114	0.21284683	2.7781643	20	—	—
224551 2005 WF_{149}	16.9	X	183.30297	24.07914	12.44294	4.54179	0.1749058	0.23381575	2.6094774	20	4 21.6	21.0
224552 2005 WH_{150}	16.0	X	205.88950	317.70566	11.51551	5.60356	0.1924572	0.22961899	2.6411770	20	2 22.4	20.4
224553 2005 WE_{151}	16.8	X	227.20620	32.90254	353.80503	3.33741	0.3192779	0.24193164	2.5507874	20	5 9.9	21.5
224554 2005 WB_{152}	15.8	X	204.85302	0.96079	50.33000	12.66076	0.1465668	0.23967235	2.5667925	20	5 30.1	19.9
224555 2005 WO_{156}	16.0	X	92.46494	194.62371	206.94403	11.34842	0.0602574	0.21582457	2.7525515	20	1 8.9	19.9
224556 2005 WU_{156}	16.3	X	211.32090	11.07174	328.98670	1.42598	0.0926019	0.22910623	2.6451164	20	3 10.9	20.4
224557 2005 WL_{158}	16.0	X	82.43531	354.67628	88.06672	11.43019	0.2970775	0.21751570	2.7382660	20	4 1.1	19.8
224558 2005 WC_{176}	16.0	X	130.42933	265.81321	75.66629	8.48436	0.2310754	0.21266861	2.7797161	20	1 6.5	20.2
224559 2005 WU_{178}	16.6	X	150.19115	43.76155	42.09421	17.72693	0.1509556	0.23526439	2.5987545	20	5 20.1	20.8
224560 2005 WE_{179}	16.1	X	238.69809	352.04578	344.32298	6.15395	0.2174460	0.23766916	2.5811951	20	3 24.5	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224561 2005 WH_{181}	16.2	X	150.12328	265.04124	198.35246	12.26197	0.1668506	0.23651025	2.5896201	20	6 15.1	20.5
224562 2005 WB_{187}	16.8	X	71.64663	35.63695	27.33652	2.02058	0.0744059	0.21607168	2.7504525	20	1 11.7	20.3
224563 2005 WC_{189}	15.5	X	240.63163	90.93030	241.73047	14.03871	0.1085810	0.23266807	2.6180515	20	3 26.5	19.7
224564 2005 WM_{190}	15.9	X	155.00864	342.46899	93.89403	16.04291	0.0557982	0.23471731	2.6027910	20	5 15.1	19.8
224565 2005 WK_{191}	15.8	X	85.70525	155.49017	320.87464	14.51624	0.1789103	0.23058151	2.6338218	20	4 16.1	19.6
224566 2005 WA_{192}	16.8	X	74.17809	258.43384	187.62663	9.27719	0.2108717	0.22093586	2.7099332	20	3 2.0	19.9
224567 2005 WT_{195}	15.1	X	231.50921	344.02827	119.68629	8.42555	0.0966185	0.17829902	3.1263439	20	9 7.7	19.8
224568 2005 WX_{208}	16.4	X	190.80466	80.68161	115.82981	1.10650	0.1650549	0.19167948	2.9791037	20	11 10.2	21.1
224569 2005 XA_{2}	16.6	X	243.93954	33.46139	272.33890	1.44264	0.0470362	0.22794934	2.6540585	20	3 6.4	20.3
224570 2005 XY_{2}	16.5	X	98.38162	2.89565	6.51172	3.27912	0.1049501	0.21288316	2.7778482	20	—	—
224571 2005 XE_{6}	15.7	X	63.60165	126.01155	38.60714	17.03172	0.1351618	0.23174790	2.6249770	20	5 18.3	19.0
224572 2005 XO_{6}	16.9	X	156.96050	304.98761	138.36175	0.81890	0.0615536	0.23612639	2.5924260	20	5 22.1	20.4
224573 2005 XQ_{8}	16.6	X	55.02249	96.17700	349.65517	4.02887	0.0360477	0.22144506	2.7057774	20	1 13.6	20.0
224574 2005 XM_{18}	16.0	X	195.68790	260.54948	105.16319	6.88643	0.0752575	0.22660980	2.6645074	20	3 30.7	20.0
224575 2005 XP_{22}	17.0	X	145.55541	24.29734	12.66606	3.45702	0.1929665	0.22816901	2.6523548	20	3 21.9	21.3
224576 2005 XJ_{25}	16.4	X	189.50077	270.34228	53.15178	6.69386	0.2958899	0.22777996	2.6553740	20	2 5.5	21.3
224577 2005 XG_{26}	16.1	X	142.88230	293.86428	93.61403	12.49678	0.1984324	0.22289735	2.6940115	20	3 14.4	20.6
224578 2005 XY_{27}	16.3	X	185.69815	261.35634	126.25060	16.16411	0.1386398	0.23640364	2.5903987	20	4 20.1	20.7
224579 2005 XP_{28}	16.2	X	189.42250	286.65472	146.77930	7.34918	0.1807540	0.23966744	2.5668276	20	6 13.8	20.5
224580 2005 XR_{29}	16.3	X	211.86903	277.62489	115.33635	5.29480	0.1443356	0.23839375	2.5759621	20	5 16.5	20.3
224581 2005 XE_{38}	16.8	X	71.28834	343.86029	49.81466	2.25571	0.0519042	0.20730946	2.8274177	20	—	—
224582 2005 XY_{48}	16.2	X	110.00084	78.08040	308.89307	5.40575	0.0423148	0.21444368	2.7643555	20	1 13.4	19.8
224583 2005 XF_{59}	16.5	X	336.49523	171.97299	19.22966	2.04231	0.0114854	0.22056686	2.7129547	20	2 13.1	20.0
224584 2005 XE_{61}	16.4	X	134.61455	356.07976	68.18972	5.25087	0.1022801	0.22750850	2.6574859	20	4 7.4	20.3
224585 2005 XE_{63}	16.0	X	181.31579	227.81799	56.84279	4.65394	0.0661061	0.20985457	2.8045106	20	—	—
224586 2005 XD_{64}	15.4	X	96.50719	309.14157	123.90864	16.14648	0.2812502	0.22005062	2.7171961	20	4 3.4	19.6
224587 2005 XQ_{65}	16.2	X	79.03595	157.35701	274.52086	7.81661	0.2226467	0.21627018	2.7487692	20	2 20.3	19.7
224588 2005 XB_{66}	16.3	X	209.84526	227.00832	181.55740	8.52472	0.1561077	0.23967380	2.5667821	20	6 2.5	20.4
224589 2005 XF_{70}	15.8	X	101.17211	309.82525	51.96523	9.00316	0.0687043	0.20920350	2.8103263	20	—	—
224590 2005 XO_{74}	16.6	X	99.32834	82.39051	5.60764	4.65205	0.1390904	0.22235174	2.6984168	20	3 29.8	20.3
224591 2005 XG_{103}	16.1	X	66.38484	214.42117	115.74637	3.48930	0.0544757	0.18881513	3.0091571	20	12 11.3	20.3
224592 Carnac	16.5	X	13.89938	302.11451	106.73737	3.18611	0.0713581	0.19794393	2.9159132	20	—	—
224593 2005 YR_{7}	16.4	X	36.54884	0.15565	107.81298	4.04102	0.1449790	0.21217909	2.7839900	20	1 20.8	19.4
224594 2005 YB_{8}	16.2	X	150.49719	77.84942	293.03545	7.95835	0.2642495	0.22005785	2.7171366	20	2 26.3	20.9
224595 2005 YC_{8}	16.0	X	173.08887	183.08760	327.53849	0.68281	0.1332874	0.17566689	3.1574958	20	8 30.9	20.9
224596 2005 YF_{15}	15.9	X	105.08233	292.25245	321.87574	1.23862	0.0591351	0.18176168	3.0865110	20	10 23.2	20.4
224597 2005 YX_{15}	15.8	X	167.55981	246.17933	287.63887	2.97100	0.0760636	0.17858396	3.1230175	20	9 22.3	20.6
224598 2005 YJ_{22}	15.6	X	117.02339	230.46705	91.80956	3.07124	0.0804321	0.20019392	2.8940240	20	—	—
224599 2005 YE_{24}	16.1	X	153.60364	103.57357	137.27588	1.53104	0.0186019	0.19137160	2.9822982	20	12 1.7	20.3
224600 2005 YY_{27}	16.2	X	213.19903	176.18693	69.03086	3.07942	0.0077925	0.20211779	2.8756301	20	—	—
224601 2005 YD_{32}	15.5	X	52.77562	226.03812	109.64188	10.66928	0.0550276	0.18863417	3.0110813	20	12 3.4	19.8
224602 2005 YJ_{40}	15.5	X	18.49732	2.40585	294.31550	13.88487	0.1996469	0.17529842	3.1619188	20	9 5.6	19.4
224603 2005 YT_{42}	16.4	X	26.63864	305.53490	127.22141	3.01143	0.0459121	0.20351831	2.8624224	20	—	—
224604 2005 YR_{44}	15.4	X	37.25389	34.70719	255.40298	3.89884	0.1484843	0.17866800	3.1220381	20	9 25.5	19.5
224605 2005 YU_{44}	16.6	X	52.64516	225.80149	172.33624	2.07575	0.0713409	0.20350910	2.8625088	20	—	—
224606 2005 YR_{46}	15.7	X	249.95200	344.73157	284.02919	4.34074	0.0267078	0.21340020	2.7733595	20	1 30.9	19.7
224607 2005 YG_{48}	15.9	X	15.63987	26.84808	314.07566	1.64250	0.0995425	0.18394622	3.0620255	20	10 24.7	19.8
224608 2005 YV_{49}	16.1	X	272.26730	326.74036	148.18082	2.16228	0.0202206	0.18870897	3.0102855	20	11 20.7	20.2
224609 2005 YS_{59}	15.8	X	165.49236	261.44315	141.47382	15.69399	0.1512068	0.23004632	2.6379052	20	4 19.2	20.3
224610 2005 YR_{62}	15.5	X	175.39503	189.13530	91.99915	4.88988	0.0716313	0.20336757	2.8638367	20	—	—
224611 2005 YV_{63}	16.7	X	62.95561	47.95845	336.02454	1.22700	0.0785236	0.20300024	2.8672904	20	—	—
224612 2005 YL_{67}	16.1	X	205.97026	233.19536	63.22357	3.17747	0.0394194	0.21185801	2.7868020	20	1 14.9	20.0
224613 2005 YR_{68}	16.6	X	6.95650	82.55231	0.94671	1.60129	0.0470811	0.20262635	2.8708165	20	—	—
224614 2005 YD_{69}	16.2	X	72.33811	192.97981	48.80996	2.40135	0.0578442	0.17535923	3.1611878	20	8 31.1	20.5
224615 2005 YW_{69}	16.5	X	73.81873	58.87281	46.40892	2.60477	0.0378659	0.21806865	2.7336352	20	3 5.2	20.0
224616 2005 YG_{70}	16.2	X	35.90933	324.37229	66.93862	2.96032	0.0717760	0.19795425	2.9158119	20	—	—
224617 Micromégas	16.4	X	93.19602	185.44471	108.54686	2.19732	0.0653381	0.18979718	2.9987680	20	11 29.8	20.7
224618 2005 YB_{75}	16.3	X	95.91024	333.64478	16.99247	2.02939	0.0809858	0.20380389	2.8597478	20	—	—
224619 2005 YY_{86}	16.0	X	107.05964	138.41659	108.38616	2.31587	0.1267193	0.18138855	3.0907424	20	10 23.9	20.8
224620 2005 YK_{98}	16.6	X	124.16251	137.89270	208.75802	2.92218	0.1025409	0.21412080	2.7671337	20	—	—
224621 2005 YL_{98}	17.1	X	129.63164	260.65560	172.10337	1.96190	0.1846479	0.22921983	2.6442424	20	4 19.3	21.2
224622 2005 YL_{100}	15.9	X	104.75866	160.33345	294.39178	7.95281	0.0842344	0.22389437	2.6860078	20	4 1.9	19.7
224623 2005 YO_{101}	16.4	X	83.95544	302.68027	112.62606	1.56559	0.0653977	0.21369617	2.7707982	20	1 18.0	20.0
224624 2005 YR_{103}	15.8	X	357.84215	348.97149	98.29127	3.58750	0.0734903	0.20253167	2.8717112	20	—	—
224625 2005 YX_{108}	16.4	X	22.32782	232.50220	186.13700	1.78807	0.0538286	0.20081389	2.8880644	20	—	—
224626 2005 YV_{113}	16.2	X	236.44501	221.99050	59.42149	4.50135	0.0589548	0.21355716	2.7720004	20	1 30.5	20.3
224627 2005 YB_{123}	16.1	X	150.80082	18.83569	30.88486	7.40820	0.0976767	0.22554339	2.6728996	20	4 5.4	20.0
224628 2005 YF_{141}	17.0	X	30.34693	348.05210	348.29410	1.75032	0.0656132	0.18749474	3.0232681	20	11 4.8	21.1
224629 2005 YN_{141}	15.7	X	22.52398	258.64065	44.99217	2.21844	0.0306060	0.17778220	3.1323999	20	9 9.9	19.8
224630 2005 YF_{152}	16.0	X	25.95955	346.97945	67.70876	3.07146	0.0621752	0.19938869	2.9018104	20	—	—
224631 2005 YG_{155}	16.2	X	123.59851	98.15704	306.40548	10.79424	0.1393536	0.22087158	2.7104589	20	2 28.9	20.3
224632 2005 YM_{156}	15.5	X	236.49624	217.80526	255.37719	3.82693	0.1543795	0.18247911	3.0784158	20	9 13.9	20.2
224633 2005 YS_{162}	16.3	X	105.26265	281.75651	127.07685	4.29420	0.1967680	0.21797618	2.7344083	20	2 25.9	20.0
224634 2005 YD_{163}	16.1	X	146.09242	142.94122	165.20417	2.37497	0.0508620	0.20360748	2.8615866	20	—	—
224635 2005 YW_{164}	15.5	X	3.32618	152.19810	294.88536	11.78074	0.0938997	0.20326313	2.8648176	20	—	—
224636 2005 YE_{166}	16.2	X	28.93972	252.26230	164.67950	2.46605	0.0725195	0.20106365	2.8856723	20	—	—
224637 2005 YG_{166}	16.1	X	74.45459	267.52406	144.44880	5.04635	0.0680106	0.21017470	2.8016621	20	1 1.5	19.8
224638 2005 YZ_{172}	16.1	X	195.39082	15.98960	3.92709	5.62226	0.2652150	0.23262167	2.6183997	20	4 11.1	20.7
224639 2005 YA_{174}	15.7	X	157.51095	273.74558	109.32435	12.42974	0.1960939	0.22448942	2.6812592	20	3 21.3	20.3
224640 2005 YB_{174}	15.4	X	316.64613	259.04874	260.73743	7.99783	0.0729403	0.20502496	2.8483820	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224641 2005 YN_{175}	15.8	X	171.88891	216.54041	74.19811	3.17085	0.0274131	0.20304218	2.8668956	20	—	—
224642 2005 YK_{190}	15.7	X	32.54077	0.23013	309.50633	3.49400	0.0730683	0.18091327	3.0961531	20	10 4.0	19.9
224643 2005 YK_{192}	15.6	X	133.15012	97.06989	99.63826	2.87586	0.0718803	0.17483659	3.1674845	20	9 16.2	20.4
224644 2005 YM_{196}	16.8	X	142.68976	306.33723	326.77639	1.30675	0.0562156	0.19660875	2.9290997	20	12 28.6	21.0
224645 2005 YZ_{201}	15.3	X	30.20371	214.96132	112.06737	5.03309	0.1549768	0.18483741	3.0521752	20	11 7.4	19.2
224646 2005 YQ_{208}	15.9	X	341.62564	73.55000	32.61147	11.61832	0.1194706	0.20117560	2.8846017	20	—	—
224647 2005 YC_{210}	15.9	X	233.76410	319.19088	56.70894	8.67278	0.1623682	0.23769478	2.5810096	20	5 13.9	19.7
224648 2005 YS_{217}	16.4	X	282.43924	74.82804	57.11036	2.30186	0.1370873	0.19700474	2.9251733	20	12 13.6	19.9
224649 2005 YT_{225}	16.9	X	212.75388	200.87761	150.05486	1.78338	0.1630969	0.22843644	2.6502842	20	3 24.5	21.1
224650 2005 YF_{235}	16.2	X	226.08082	181.73110	318.44159	1.90365	0.1119622	0.18540795	3.0459106	20	10 12.1	20.7
224651 2005 YG_{251}	16.9	X	68.71925	179.67953	206.90118	1.92187	0.1653593	0.20448271	2.8534153	20	—	—
224652 2005 YJ_{253}	15.6	X	96.69723	248.55732	332.70201	3.68352	0.1272067	0.17219403	3.1998085	20	9 9.9	20.3
224653 2005 YO_{266}	15.0	X	55.23095	230.36628	98.94819	11.98332	0.0826260	0.19027882	2.9937055	20	12 2.7	19.3
224654 2005 YQ_{274}	16.5	X	330.14520	40.39045	353.08998	1.90666	0.1363162	0.18531725	3.0469043	20	10 22.1	19.9
224655 2005 YR_{280}	16.0	X	314.59266	262.44823	139.78292	1.72703	0.0171580	0.18307243	3.0717610	20	10 14.9	20.2
224656 2005 YG_{282}	16.7	X	193.50389	295.25195	32.94204	1.80135	0.0738149	0.22152381	2.7051360	20	2 8.5	20.7
224657 2005 YW_{282}	15.9	X	250.05422	144.21741	17.03324	1.95298	0.0432532	0.19755007	2.9197876	20	12 17.9	19.7
224658 2005 YM_{287}	14.6	X	295.68094	265.13778	135.65984	22.77963	0.0094898	0.17683674	3.1435549	20	9 23.1	19.3
224659 2006 AR	16.7	X	70.25736	234.54985	217.03713	7.27857	0.1251443	0.22039639	2.7143534	20	2 18.1	20.1
224660 2006 AY	16.2	X	322.09089	316.95478	154.90363	4.10809	0.1338877	0.19753940	2.9198927	20	—	—
224661 2006 AV_{5}	14.8	X	89.02292	164.72632	92.11487	11.81252	0.1846327	0.17794104	3.1305355	20	10 27.1	19.8
224662 2006 AF_{7}	15.5	X	350.52066	3.89226	86.21370	13.11281	0.0022959	0.19708044	2.9244242	20	—	—
224663 2006 AJ_{7}	15.4	X	112.30143	289.03889	93.21589	13.84436	0.2229011	0.21200504	2.7855135	20	2 7.1	19.5
224664 2006 AJ_{13}	15.7	X	121.76586	254.79125	90.30801	14.60888	0.1323492	0.21125731	2.7920823	20	—	—
224665 2006 AV_{15}	14.8	X	352.83401	263.21826	49.64970	14.68016	0.0597212	0.17168272	3.2061585	20	8 18.3	19.3
224666 2006 AV_{18}	14.9	X	239.19278	38.21215	69.32962	12.10890	0.0416749	0.17810165	3.1286532	20	10 2.5	19.5
224667 2006 AV_{26}	16.0	X	200.12451	128.24961	47.57095	2.21381	0.1167410	0.18585944	3.0409758	20	10 28.3	20.5
224668 2006 AD_{27}	16.0	X	337.11694	342.76068	122.86338	3.32558	0.0690702	0.19734857	2.9217747	20	—	—
224669 2006 AA_{32}	16.2	X	17.85842	53.09419	49.79049	8.96865	0.1003716	0.20658727	2.8340033	20	—	—
224670 2006 AB_{42}	16.1	X	50.78726	117.52246	351.13636	8.33052	0.2463151	0.21434373	2.7652148	20	2 29.4	18.7
224671 2006 AM_{44}	15.1	X	21.39094	233.10188	113.18933	11.98487	0.1474293	0.18473363	3.0533182	20	11 19.8	19.2
224672 2006 AY_{45}	16.3	X	73.95642	221.20517	191.00470	1.74120	0.0676364	0.20893611	2.8127236	20	1 1.4	20.0
224673 2006 AF_{49}	16.5	X	11.26236	21.90038	30.09448	2.24275	0.0542904	0.19913167	2.9043068	20	—	—
224674 2006 AS_{55}	16.2	X	113.48424	6.21946	47.75564	2.57720	0.0700682	0.21891290	2.7266024	20	2 24.8	19.8
224675 2006 AV_{56}	16.0	X	161.75307	277.20809	71.83121	2.27205	0.0903555	0.21481920	2.7611330	20	2 2.1	20.0
224676 2006 AD_{58}	16.0	X	139.04450	28.07900	240.04912	2.54250	0.0624465	0.18919396	3.0051388	20	12 17.2	20.3
224677 2006 AW_{58}	16.3	X	349.79178	132.95758	313.22681	0.99618	0.0532799	0.19843996	2.9110520	20	—	—
224678 2006 AZ_{58}	16.2	X	100.61609	275.49130	305.79628	0.08617	0.1427979	0.17435021	3.1733726	20	9 16.5	21.1
224679 2006 AL_{67}	15.4	X	110.49782	24.68448	276.78387	8.21013	0.0181164	0.19270920	2.9684820	20	12 24.7	19.7
224680 2006 AC_{71}	16.2	X	78.25527	226.50582	125.71105	3.05253	0.1294040	0.19661325	2.9290550	20	—	—
224681 2006 AR_{71}	15.2	X	354.68160	234.79457	130.48448	15.95509	0.1165036	0.18387296	3.0628388	20	11 1.9	19.3
224682 2006 AX_{71}	15.9	X	232.29161	270.80851	168.72402	2.13461	0.0623347	0.17346955	3.1841038	20	8 10.0	20.4
224683 2006 AP_{80}	16.4	X	18.22969	187.85792	212.65522	1.28048	0.0768975	0.19440628	2.9511811	20	—	—
224684 2006 AU_{83}	16.1	X	137.67198	293.10356	112.36474	15.86481	0.1811608	0.22140308	2.7061193	20	3 31.2	20.6
224685 2006 AU_{86}	16.3	X	49.10969	200.97811	264.18849	7.05020	0.1926308	0.21188952	2.7865258	20	2 10.2	19.3
224686 2006 AH_{90}	16.8	X	152.99810	145.94461	227.04824	1.18534	0.0987301	0.22242620	2.6978145	20	2 20.6	20.9
224687 2006 AQ_{91}	16.8	X	243.80918	161.17315	323.18491	1.68860	0.0505263	0.18480216	3.0525634	20	10 21.5	21.0
224688 2006 AQ_{96}	15.3	X	205.00263	333.56359	162.59784	10.81897	0.1706899	0.17748757	3.1358654	20	9 10.8	20.2
224689 2006 AC_{100}	16.5	X	120.30391	160.68252	57.48924	2.47151	0.1265644	0.17641727	3.1485359	20	10 2.1	21.4
224690 2006 BV_{10}	16.0	X	327.03102	296.58807	109.05431	2.95531	0.0612262	0.18483317	3.0522220	20	11 4.4	20.0
224691 2006 BL_{12}	15.4	X	246.99701	285.40059	188.42006	9.00508	0.1658877	0.18171635	3.0870243	20	9 26.4	20.0
224692 2006 BK_{22}	16.2	X	186.97555	97.21569	124.89706	2.22821	0.0255897	0.18956498	3.0012163	20	12 16.8	20.6
224693 Morganfreeman	15.6	X	107.71886	157.99483	111.30543	8.12212	0.0977240	0.18249850	3.0781978	20	11 19.2	20.3
224694 2006 BM_{27}	15.4	X	312.73459	212.93998	193.94873	9.42682	0.0623657	0.18393687	3.0621292	20	10 15.7	19.4
224695 2006 BD_{30}	15.8	X	340.71038	304.94012	47.37166	1.73644	0.0883558	0.17679375	3.1440645	20	9 15.2	19.7
224696 2006 BH_{31}	16.2	X	222.91124	41.86584	114.24736	2.39391	0.0439291	0.18383790	3.0632281	20	11 6.6	20.6
224697 2006 BT_{32}	16.1	X	310.24036	82.27396	11.18366	2.81796	0.1127865	0.18748313	3.0233929	20	12 7.4	19.6
224698 2006 BB_{33}	15.3	X	307.01710	89.79248	348.46684	9.15976	0.0673920	0.18293200	3.0733328	20	11 11.8	19.4
224699 2006 BN_{33}	15.5	X	278.52018	103.29600	347.54049	9.24092	0.0746943	0.17964096	3.1107550	20	10 17.4	19.9
224700 2006 BO_{54}	16.1	X	254.25707	355.54141	141.97123	3.64007	0.1823278	0.18456085	3.0552236	20	11 2.9	20.3
224701 2006 BE_{68}	15.4	X	359.73146	16.06741	324.13651	8.47732	0.0728336	0.17844504	3.1246382	20	9 24.0	19.5
224702 2006 BR_{75}	15.1	X	23.31868	207.87752	120.67117	11.32934	0.1617287	0.17936796	3.1139105	20	11 2.2	19.2
224703 2006 BO_{86}	15.8	X	337.31125	300.24140	95.69940	3.25772	0.0800690	0.18484994	3.0520373	20	11 7.2	19.5
224704 2006 BW_{88}	15.7	X	68.95239	271.15539	15.90925	1.76492	0.1286343	0.17755742	3.1350430	20	10 30.4	20.1
224705 2006 BU_{89}	14.7	X	51.36291	16.73950	326.11211	13.60781	0.2886099	0.18791287	3.0187816	20	—	—
224706 2006 BR_{102}	16.1	X	339.52935	139.60519	294.51616	3.06904	0.0690871	0.19107414	2.9853925	20	12 28.7	19.8
224707 2006 BW_{107}	15.4	X	21.31074	63.69994	322.78066	9.77896	0.0163706	0.19028083	2.9936844	20	12 20.1	19.6
224708 2006 BX_{114}	15.6	X	324.58981	244.86554	161.22766	9.28761	0.0507324	0.18203200	3.0834545	20	11 2.8	19.8
224709 2006 BL_{120}	15.8	X	92.44037	56.45815	240.48694	3.41534	0.1390368	0.18179503	3.0861335	20	12 7.5	20.4
224710 2006 BW_{131}	16.0	X	287.30520	311.30426	136.29662	2.22034	0.0560955	0.18029322	3.1032477	20	10 31.9	20.1
224711 2006 BN_{134}	15.3	X	93.01602	155.01117	123.96081	11.62270	0.0565845	0.18311566	3.0712775	20	11 13.2	20.0
224712 2006 BH_{138}	15.4	X	356.83913	203.87857	153.10381	11.75031	0.1112658	0.17776931	3.1325513	20	10 20.9	19.4
224713 2006 BW_{138}	16.0	X	285.58174	326.41124	214.38666	1.12278	0.0441803	0.19721763	2.9230678	20	—	—
224714 2006 BO_{152}	15.8	X	13.92800	319.45967	7.40562	4.91061	0.0277239	0.17568833	3.1572389	20	9 26.6	20.2
224715 2006 BT_{161}	15.4	X	261.42596	293.64239	192.43383	15.53165	0.0795289	0.18383001	3.0633159	20	11 13.0	19.7
224716 2006 BE_{164}	15.2	X	27.16379	34.53970	320.81989	6.02919	0.0648282	0.18514402	3.0488046	20	11 22.6	19.4
224717 2006 BX_{166}	15.3	X	306.46892	286.14164	143.30265	10.80081	0.0792643	0.18332227	3.0689695	20	11 6.4	19.4
224718 2006 BF_{169}	16.1	X	303.25214	33.25152	340.41652	6.29260	0.1149284	0.16950271	3.2335900	20	8 12.6	20.2
224719 2006 BA_{171}	16.5	X	153.42015	106.39406	219.94425	1.23289	0.0689283	0.20449592	2.8532924	20	—	—
224720 2006 BM_{177}	16.4	X	12.62000	291.17827	225.94807	2.48220	0.0305790	0.21294778	2.7772862	20	2 15.3	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224721 2006 BQ_{180}	16.0	X	30.56500	202.85485	109.63170	2.57609	0.0263621	0.17614968	3.1517237	20	10 1.3	20.3
224722 2006 BD_{181}	14.8	X	302.02787	252.91044	141.17043	20.34581	0.1560006	0.17751864	3.1354995	20	9 3.2	18.7
224723 2006 BW_{190}	15.6	X	270.23311	333.08525	140.84458	6.99166	0.1411021	0.18207710	3.0829454	20	11 1.4	19.7
224724 2006 BP_{202}	15.7	X	111.80818	273.57393	61.55649	2.59631	0.1103989	0.19621735	2.9329935	20	—	—
224725 2006 BT_{206}	15.6	X	233.21641	346.94029	151.23834	4.10146	0.0661531	0.18348917	3.0671081	20	10 25.6	20.0
224726 2006 BE_{208}	15.4	X	19.40966	214.88943	171.28294	9.54934	0.1206616	0.18916813	3.0054123	20	12 29.9	19.5
224727 2006 BB_{232}	15.7	X	137.79882	172.44294	19.99506	4.41568	0.0862429	0.17385745	3.1793659	20	9 16.3	20.6
224728 2006 BF_{263}	14.9	X	287.50296	66.38596	344.19614	17.40049	0.1188870	0.17500236	3.1654839	20	9 5.6	19.1
224729 2006 BF_{268}	15.2	X	227.67284	144.84695	355.44373	11.24780	0.0979215	0.18026294	3.1035953	20	10 12.7	19.8
224730 2006 BT_{269}	15.1	X	242.28149	68.46532	71.56271	6.16236	0.1150365	0.18249545	3.0782320	20	10 31.9	19.4
224731 2006 CK_{9}	15.2	X	176.66229	338.01197	199.97783	7.78177	0.0630987	0.17734111	3.1375917	20	10 8.4	19.7
224732 2006 CO_{12}	16.5	X	119.95436	56.64406	299.02991	1.04807	0.0783236	0.20320501	2.8653638	20	—	—
224733 2006 CX_{27}	15.3	X	24.63289	235.41117	135.69793	10.58720	0.0792446	0.18913402	3.0057737	20	12 14.2	19.5
224734 2006 CG_{31}	15.5	X	62.09262	347.74172	275.63876	3.98623	0.0146276	0.17172647	3.2056139	20	9 4.5	20.1
224735 2006 DR_{1}	15.1	X	270.65670	102.84994	6.65620	8.42192	0.0259558	0.18213587	3.0822822	20	11 6.9	19.5
224736 2006 DN_{6}	15.2	X	297.67269	325.36983	160.43434	9.89033	0.1783753	0.18913009	3.0058153	20	12 24.5	18.7
224737 2006 DL_{7}	15.2	X	216.35116	312.80830	166.87588	6.77020	0.0887243	0.17235261	3.1978455	20	9 8.0	19.8
224738 2006 DZ_{37}	15.8	X	262.18727	312.25830	174.97239	7.85871	0.2620224	0.18274109	3.0754729	20	10 19.5	20.0
224739 2006 DQ_{41}	15.7	X	244.41892	155.03455	10.39831	4.77559	0.1400565	0.18513065	3.0489513	20	11 28.7	19.9
224740 2006 DZ_{42}	15.9	X	30.08415	248.00646	119.40307	0.96686	0.0739144	0.18513790	3.0488718	20	12 13.9	20.1
224741 2006 DO_{44}	16.1	X	228.97389	120.09025	29.98395	1.24109	0.1638201	0.18181844	3.0858686	20	10 21.4	20.7
224742 2006 DT_{44}	15.9	X	56.91858	14.68440	19.00348	2.04956	0.1202997	0.19625798	2.9325888	20	—	—
224743 2006 DV_{49}	15.9	X	355.56683	68.37560	352.52438	4.62034	0.1621708	0.19196437	2.9761556	20	—	—
224744 2006 DQ_{50}	14.9	X	198.58962	64.24559	111.75029	6.33027	0.0444650	0.17809327	3.1287513	20	11 3.2	19.5
224745 2006 DX_{56}	14.7	X	186.34514	316.51154	241.83381	13.50948	0.0384011	0.17989372	3.1078404	20	11 14.1	19.3
224746 2006 DP_{67}	15.3	X	39.81027	201.87232	183.72586	8.38629	0.0934937	0.19292438	2.9662742	20	—	—
224747 2006 DH_{68}	15.3	X	178.84596	135.24833	17.29656	18.62098	0.0999352	0.17017176	3.2251089	20	9 14.6	20.4
224748 2006 DD_{73}	15.5	X	196.15626	140.18430	22.38249	5.44401	0.1293043	0.17492075	3.1664684	20	10 6.5	20.5
224749 2006 DL_{86}	15.3	X	303.84408	38.18485	2.60732	11.72310	0.1368104	0.17359438	3.1825772	20	9 16.3	19.3
224750 2006 DA_{91}	15.1	X	285.75943	176.07013	157.52215	5.52613	0.0862058	0.15256021	3.4687676	20	5 31.8	19.9
224751 2006 DS_{94}	15.5	X	277.47313	282.78308	175.41223	5.47022	0.1069526	0.17776562	3.1325946	20	10 25.2	19.7
224752 2006 DO_{112}	15.7	X	81.13018	61.13856	234.67263	1.75144	0.0533902	0.17773001	3.1330130	20	11 14.5	20.2
224753 2006 DP_{137}	15.2	X	327.30588	278.20474	122.22561	6.06338	0.1462801	0.18001903	3.1063980	20	10 28.2	18.8
224754 2006 DN_{149}	15.5	X	238.49376	249.59269	190.08093	4.77040	0.1093117	0.16795956	3.2533658	20	8 10.3	20.3
224755 2006 DX_{156}	15.5	X	208.66892	320.96177	146.34028	6.64518	0.0762659	0.16839900	3.2477036	20	8 16.1	20.4
224756 2006 DY_{179}	15.6	X	308.72119	265.52191	159.10270	9.24922	0.1899232	0.18209908	3.0826973	20	10 23.9	19.1
224757 2006 DC_{186}	15.8	X	341.44892	356.64754	41.23959	4.35582	0.0721199	0.17773103	3.1330011	20	11 12.5	19.8
224758 2006 DD_{196}	14.8	X	343.02873	314.12386	105.54530	10.98549	0.0705276	0.18785099	3.0194446	20	12 15.4	18.8
224759 2006 DK_{201}	14.8	X	195.30157	122.18019	48.71540	18.12922	0.0590230	0.17697182	3.1419551	20	10 24.5	19.5
224760 2006 DT_{204}	15.0	X	319.64850	6.89977	37.39945	18.87125	0.1319211	0.17961055	3.1111060	20	10 20.4	18.6
224761 2006 EN_{1}	15.4	X	220.18352	75.87603	62.74814	2.81793	0.0312280	0.17587311	3.1550270	20	10 13.5	19.9
224762 2006 ET_{8}	15.6	X	315.06776	19.62326	41.66527	1.88928	0.0943106	0.17977878	3.1091650	20	11 3.2	19.5
224763 2006 EC_{12}	15.8	X	325.38731	253.22133	168.10021	2.44120	0.1674949	0.18357003	3.0662075	20	11 19.9	19.0
224764 2006 EW_{16}	15.8	X	188.61927	85.70235	80.65620	2.64001	0.1584480	0.17286952	3.1914675	20	10 2.9	20.9
224765 2006 EQ_{56}	15.7	X	317.78101	211.53684	185.54911	9.41575	0.1061719	0.17620161	3.1511044	20	10 6.3	19.6
224766 2006 EP_{65}	16.2	X	223.60121	274.48600	205.99839	4.01876	0.1437931	0.17221736	3.1995195	20	9 10.1	21.1
224767 2006 EK_{66}	15.8	X	329.95059	188.84697	234.94308	3.84002	0.1378871	0.18172252	3.0869544	20	11 30.3	19.2
224768 2006 FZ_{1}	15.3	X	336.67474	225.92163	159.03672	22.77724	0.1571676	0.18109435	3.0940888	20	10 27.7	19.2
224769 2006 FC_{14}	15.3	X	155.90102	307.60932	177.88456	5.51997	0.0108882	0.15446680	3.4401651	20	7 9.3	20.3
224770 2006 FK_{16}	16.3	X	260.34164	61.77002	36.58626	0.51739	0.1418461	0.17594776	3.1541346	20	9 26.3	20.8
224771 2006 FN_{16}	14.8	X	330.75357	263.15970	359.52182	9.45173	0.0272026	0.14764642	3.5453091	20	5 5.7	19.8
224772 2006 FJ_{21}	16.3	X	298.97799	283.25148	168.00354	5.20225	0.1634620	0.18512226	3.0490435	20	11 12.9	19.9
224773 2006 FV_{48}	14.8	X	219.71802	125.15662	28.98916	13.96652	0.0197683	0.17811575	3.1284881	20	10 31.2	19.2
224774 2006 FA_{49}	14.5	X	242.69679	49.29011	47.49971	20.96338	0.0768076	0.17160546	3.2071207	20	9 23.2	19.4
224775 2006 FY_{51}	14.9	X	206.86491	335.76560	229.71595	16.61625	0.1609787	0.17984409	3.1084122	20	12 3.5	19.8
224776 2006 GV_{13}	15.5	X	219.16897	246.31371	209.57571	1.80604	0.0482824	0.16855817	3.2456587	20	8 15.9	20.3
224777 2006 GF_{32}	15.5	X	247.79494	94.13863	45.43542	7.03220	0.1666910	0.17548709	3.1596521	20	10 28.6	19.9
224778 2006 GE_{38}	15.0	X	249.65072	96.02785	44.22200	19.83665	0.0899608	0.17927945	3.1149354	20	11 10.4	19.3
224779 2006 GM_{41}	15.4	X	224.90027	314.80023	199.40776	16.46368	0.1761243	0.17675334	3.1445436	20	10 20.7	20.1
224780 2006 GU_{51}	14.7	X	232.63920	22.64535	121.96648	14.99533	0.1624956	0.17534718	3.1613326	20	10 24.4	19.7
224781 2006 HX_{34}	16.0	X	253.18887	290.22075	219.02943	3.28065	0.1663908	0.17773193	3.1329905	20	11 15.7	20.4
224782 2006 JB_{42}	13.2	X	318.53154	246.87043	171.54696	6.57674	0.0796188	0.08424879	5.1533971	20	10 18.3	19.7
224783 2006 QP_{82}	17.8	X	139.51365	154.56012	166.98889	3.91484	0.3100028	0.31103634	2.1573898	20	—	—
224784 2006 QU_{115}	17.5	X	143.42065	353.66385	305.15813	5.06024	0.1643051	0.30929417	2.1654836	20	—	—
224785 2006 QN_{164}	17.0	X	320.10140	200.43081	189.36832	22.10439	0.0799566	0.35871920	1.9617017	20	11 19.2	19.0
224786 2006 SC_{12}	17.2	X	47.04855	54.41398	314.53727	4.35633	0.1553183	0.29723979	2.2236414	20	—	—
224787 2006 SH_{19}	17.0	X	49.31801	265.47438	9.65846	19.44257	0.0425577	0.35430801	1.9779504	20	10 7.1	19.0
224788 2006 SB_{50}	17.8	X	82.91653	111.43632	197.29810	4.70538	0.1377260	0.29350959	2.2424418	20	—	—
224789 2006 SM_{62}	17.2	X	89.96785	168.91435	148.89129	7.18908	0.1875954	0.29923659	2.2137382	20	—	—
224790 2006 SW_{97}	17.1	X	241.14762	173.67099	21.29073	5.98480	0.1187643	0.29892673	2.2152677	20	—	—
224791 2006 SS_{273}	17.2	X	203.18539	335.73054	214.81388	7.35108	0.0383473	0.28657924	2.2784503	20	12 18.9	20.0
224792 2006 SF_{371}	13.2	X	79.94320	67.65647	222.87026	18.25328	0.0275938	0.08298705	5.2055004	20	10 17.0	20.2
224793 2006 SG_{371}	13.3	X	332.62727	203.88589	207.56121	17.74558	0.0354063	0.08408204	5.1602084	20	10 29.5	19.9
224794 2006 SU_{394}	16.0	X	63.29823	268.78764	317.01153	5.94888	0.0634799	0.27073189	2.3665178	20	8 7.3	18.9
224795 2006 TD_{6}	17.1	X	118.61665	294.03860	329.85792	6.25522	0.1119506	0.29267361	2.2467099	20	12 11.9	20.4
224796 2006 TA_{53}	17.7	X	191.18813	277.52776	51.23205	6.80417	0.1350803	0.31595685	2.1349327	20	1 30.0	20.8
224797 2006 TJ_{90}	17.3	X	306.28867	91.11757	28.60637	7.65698	0.0337624	0.29351564	2.2424110	20	—	—
224798 2006 UL_{7}	17.4	X	97.24599	281.77859	129.04214	3.06648	0.1145974	0.31149602	2.1552668	20	1 19.3	19.5
224799 2006 UQ_{25}	17.3	X	191.24147	213.18642	20.46064	7.54089	0.0989508	0.29724272	2.2236268	20	—	—
224800 2006 UY_{96}	17.4	X	217.43095	358.43720	191.97100	6.06711	0.1115884	0.29143172	2.2530881	20	12 27.7	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224801 2006 UQ_{127}	18.2	X	174.84797	331.77251	357.90565	2.30248	0.0416177	0.31263996	2.1500062	20	1 2.9	20.6
224802 2006 UK_{199}	17.9	X	282.70373	140.69611	56.50199	3.37311	0.0769172	0.30349569	2.1929784	20	—	—
224803 2006 UC_{212}	17.0	X	84.00257	248.49595	14.35445	5.72806	0.1443250	0.27911782	2.3188768	20	11 3.5	20.4
224804 2006 UV_{234}	17.0	X	6.89328	324.71675	82.06273	6.83849	0.1063009	0.28519787	2.2858016	20	—	—
224805 2006 UP_{238}	17.8	X	202.66861	348.78169	264.79066	2.91264	0.1516108	0.30471289	2.1871346	20	—	—
224806 2006 UW_{275}	17.4	X	309.01135	310.02619	191.84420	5.83939	0.0744972	0.29995513	2.2102014	20	—	—
224807 2006 UD_{282}	17.4	X	223.86783	326.00680	214.49082	5.74355	0.0398305	0.28870011	2.2672779	20	—	—
224808 2006 UU_{286}	17.0	X	317.97377	166.88104	264.69275	6.04034	0.1003170	0.27873644	2.3209915	20	12 21.6	19.1
224809 2006 UY_{286}	17.7	X	144.95618	117.73260	211.88106	4.88132	0.1330499	0.30661745	2.1780682	20	—	—
224810 2006 US_{329}	17.3	X	156.86989	265.86306	54.22129	5.69715	0.2246382	0.30709640	2.1758030	20	—	—
224811 2006 VQ_{17}	17.3	X	117.24044	35.55184	303.58262	1.61760	0.0185659	0.30071630	2.2064702	20	—	—
224812 2006 VV_{22}	17.2	X	111.24626	74.86229	226.92229	6.42699	0.1283433	0.29345685	2.2427105	20	—	—
224813 2006 VH_{27}	17.5	X	138.37999	119.09418	223.18252	0.89046	0.2090002	0.30823368	2.1704477	20	—	—
224814 2006 VW_{28}	17.2	X	133.40994	47.29360	312.10129	1.96204	0.1372679	0.30830418	2.1701168	20	1 4.2	19.5
224815 2006 VN_{37}	17.3	X	151.74566	358.49286	0.64813	3.50003	0.1579825	0.31386737	2.1443974	20	1 29.1	20.1
224816 2006 VW_{43}	16.9	X	130.68674	269.53845	341.04073	2.14089	0.1762225	0.28407584	2.2918165	20	12 5.3	20.6
224817 2006 VE_{44}	17.1	X	119.20349	163.17494	170.85593	5.34539	0.1935373	0.30327577	2.1940385	20	—	—
224818 2006 VJ_{62}	17.5	X	152.71833	63.62698	247.79873	3.26947	0.1743717	0.30363982	2.1922844	20	—	—
224819 2006 VN_{62}	17.5	X	131.99382	274.05939	57.04394	1.04977	0.1527662	0.30305317	2.1951127	20	—	—
224820 2006 VM_{89}	16.8	X	308.27911	335.73060	322.91560	1.93971	0.2131246	0.25965524	2.4333504	20	4 22.3	19.4
224821 2006 VW_{92}	17.1	X	25.63240	352.20832	91.88702	6.56239	0.0397938	0.30149925	2.2026486	20	—	—
224822 2006 VE_{96}	17.0	X	100.18713	312.17026	45.07003	7.00618	0.1630071	0.30104822	2.2048481	20	—	—
224823 2006 VG_{107}	17.2	X	131.49947	315.53228	36.63406	7.57613	0.0691847	0.30568457	2.1824972	20	—	—
224824 2006 VT_{139}	16.8	X	44.41274	18.92023	249.71326	5.84111	0.0932171	0.26876115	2.3780723	20	9 11.6	19.7
224825 2006 VV_{169}	17.4	X	43.42820	303.91777	65.27727	7.50969	0.1388477	0.29083912	2.2561476	20	—	—
224826 2006 WC_{11}	17.5	X	56.05274	120.88420	296.51166	2.52684	0.1258004	0.30208246	2.1998127	20	—	—
224827 2006 WA_{21}	17.1	X	136.70926	144.07106	118.56803	4.42183	0.1407303	0.28684903	2.2770215	20	12 27.2	20.4
224828 2006 WQ_{33}	18.1	X	58.73245	173.06250	180.57084	3.54496	0.0238135	0.29065327	2.2571092	20	—	—
224829 2006 WD_{80}	17.3	X	265.93280	116.82072	353.03126	1.27670	0.0791040	0.28071431	2.3100764	20	11 19.0	19.6
224830 2006 WN_{114}	17.0	X	186.62176	92.75305	154.03596	5.51927	0.1478340	0.29307205	2.2446732	20	—	—
224831 Neeffisis	17.6	X	44.23434	3.68809	74.54664	3.72136	0.1179900	0.30139650	2.2031492	20	—	—
224832 2006 WP_{160}	16.5	X	16.92709	49.07901	262.52048	6.68770	0.1090743	0.26999676	2.3708115	20	10 3.4	19.2
224833 2006 WO_{161}	18.3	X	217.40124	82.70923	222.75304	2.11748	0.1269439	0.31524898	2.1381274	20	1 23.3	21.2
224834 2006 WN_{172}	17.3	X	71.60074	54.10964	232.88640	1.73914	0.2065681	0.27980387	2.3150848	20	11 28.9	20.6
224835 2006 WO_{182}	16.8	X	204.48161	129.42611	16.40305	2.85651	0.1299773	0.26637245	2.3922681	20	10 5.9	20.2
224836 2006 WP_{186}	16.7	X	53.15423	238.53972	90.84088	7.86946	0.1427781	0.28756400	2.2732457	20	12 28.8	19.6
224837 2006 WJ_{195}	16.6	X	233.75328	248.81655	229.25379	3.86235	0.1880150	0.27023280	2.3694307	20	9 24.4	19.9
224838 2006 WN_{204}	16.6	X	288.66276	273.37865	21.28466	0.93536	0.1639473	0.25339498	2.4732653	20	3 29.5	19.9
224839 2006 XO_{14}	17.3	X	88.77668	224.42582	84.07971	3.44380	0.1467624	0.28582983	2.2824311	20	—	—
224840 2006 XM_{17}	17.2	X	284.24269	129.60380	22.62406	3.49291	0.0341152	0.28707133	2.2758458	20	—	—
224841 2006 XR_{17}	15.8	X	2.55350	119.65157	91.56771	12.76877	0.1270841	0.23860133	2.5744679	20	4 15.4	18.7
224842 2006 XN_{18}	16.9	X	93.66974	256.50248	88.27652	7.52308	0.0709275	0.29373728	2.2412829	20	—	—
224843 2006 XO_{19}	17.1	X	12.70099	192.34343	265.38738	7.08072	0.1062728	0.29605561	2.2295670	20	—	—
224844 2006 XR_{32}	17.6	X	180.74274	27.08486	244.25738	3.56123	0.1349155	0.30086974	2.2057200	20	—	—
224845 2006 XT_{38}	17.2	X	59.87188	49.44408	30.38826	1.85665	0.1002040	0.30140168	2.2031240	20	—	—
224846 2006 XB_{49}	16.6	X	23.84577	95.20632	118.28511	4.81701	0.1783691	0.24219867	2.5489123	20	5 28.8	19.0
224847 2006 XN_{49}	17.1	X	24.30915	239.42944	112.42684	8.69877	0.1502795	0.27804539	2.3248356	20	12 22.4	19.9
224848 2006 XQ_{57}	17.4	X	303.40853	280.42910	235.98736	5.95726	0.0361091	0.29650783	2.2272994	20	—	—
224849 2006 XR_{60}	17.2	X	106.41589	269.71436	83.82153	6.95210	0.2182741	0.29758315	2.2219306	20	—	—
224850 2006 YK_{1}	16.4	X	250.96622	168.65197	334.50207	6.02335	0.0528643	0.27961608	2.3161212	20	12 16.5	19.2
224851 2006 YG_{8}	17.2	X	278.98998	344.22705	102.20601	2.96598	0.1514890	0.27347089	2.3506898	20	10 27.7	19.5
224852 2006 YF_{15}	16.9	X	255.30344	267.27447	273.45199	15.83882	0.0914723	0.36419691	1.9419821	20	—	—
224853 2006 YM_{17}	17.3	X	308.44440	296.01814	148.57850	4.76071	0.1477206	0.27683213	2.3316233	20	12 24.1	19.3
224854 2006 YQ_{18}	17.0	X	334.65851	61.67423	34.78245	5.51923	0.1694817	0.28745885	2.2738000	20	—	—
224855 2006 YZ_{20}	17.0	X	154.19982	254.42779	76.76106	4.29698	0.2128673	0.30482266	2.1866094	20	1 1.8	20.1
224856 2006 YK_{26}	17.2	X	30.95501	257.41733	84.03221	4.36924	0.0601330	0.27626301	2.3348244	20	12 2.8	20.0
224857 2006 YE_{45}	16.9	X	8.42428	93.05453	204.68378	1.89018	0.2098757	0.26896538	2.3768683	20	9 15.4	18.9
224858 2006 YO_{49}	17.3	X	343.94032	39.66598	48.25226	5.09834	0.1947596	0.28555557	2.2838923	20	—	—
224859 2006 YD_{51}	17.5	X	26.58422	324.60894	82.32979	3.45494	0.1513133	0.28870055	2.2672756	20	—	—
224860 2006 YF_{51}	16.6	X	153.68684	20.79402	321.84161	5.48615	0.1470749	0.22781030	2.6551383	20	1 20.4	20.7
224861 2006 YD_{52}	15.7	X	298.74978	141.19992	29.96183	9.78545	0.0894682	0.21189319	2.7864936	20	—	—
224862 2007 AG_{7}	16.9	X	195.85396	354.89302	123.70417	2.14930	0.1292044	0.26015665	2.4302228	20	8 21.1	20.3
224863 2007 AP_{12}	16.1	X	324.60379	113.99773	110.25740	5.70551	0.0729208	0.22877811	2.6476449	20	3 3.5	19.4
224864 2007 AM_{13}	16.1	X	224.06646	216.62580	130.44634	3.77304	0.2432498	0.24661678	2.5183783	20	3 26.5	20.4
224865 2007 AR_{13}	17.5	X	51.55395	277.84381	120.89799	4.31164	0.1745183	0.29393002	2.2403030	20	—	—
224866 2007 AD_{18}	17.1	X	227.94090	148.49971	323.27750	2.26116	0.1275283	0.26732751	2.3865669	20	9 17.6	20.4
224867 2007 AA_{21}	17.0	X	198.44206	7.55092	139.93800	4.39972	0.1793565	0.26419652	2.4053853	20	9 28.2	20.6
224868 2007 AP_{23}	17.2	X	320.22589	299.16381	143.99062	5.67592	0.1247703	0.28062373	2.3105735	20	—	—
224869 2007 AU_{24}	17.1	X	345.34710	335.60430	96.68904	3.58633	0.1423492	0.28478839	2.2879922	20	—	—
224870 2007 AR_{28}	16.6	X	61.80061	94.67633	91.54885	4.69664	0.0717650	0.24255307	2.5464287	20	6 8.5	19.8
224871 2007 AQ_{30}	17.0	X	349.90034	217.28140	144.16594	6.34771	0.1929924	0.27258078	2.3558044	20	11 17.6	19.1
224872 2007 BA_{9}	16.7	X	256.51041	55.73864	334.79665	5.51990	0.1386595	0.25724366	2.4485347	20	7 2.1	19.9
224873 2007 BA_{32}	17.4	X	357.21199	244.72146	137.09517	6.13440	0.0773872	0.27640979	2.3339978	20	12 12.9	20.1
224874 2007 BR_{38}	17.6	X	255.24684	323.65643	142.44695	2.55407	0.0816639	0.27039755	2.3684682	20	10 26.9	20.4
224875 2007 BL_{42}	16.9	X	143.86357	12.50132	164.82064	2.18770	0.1521201	0.25869810	2.4393487	20	9 13.4	20.7
224876 2007 BT_{43}	17.1	X	275.32226	345.08928	106.27059	3.38356	0.1577741	0.27086889	2.3657198	20	10 26.9	19.5
224877 2007 BF_{45}	16.8	X	327.51384	274.93071	154.13548	6.17446	0.1218344	0.27814445	2.3242836	20	—	—
224878 2007 BM_{60}	17.1	X	143.19894	61.89079	92.32832	4.59947	0.1061805	0.25366885	2.4714849	20	8 13.2	20.7
224879 2007 BW_{67}	15.1	X	75.54348	158.26827	128.89195	17.41348	0.1020682	0.18743678	3.0238913	20	11 11.9	19.9
224880 2007 BH_{68}	17.1	X	243.08037	106.41846	335.74407	4.66831	0.0770749	0.26074797	2.4265473	20	9 3.5	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224881 2007 BR_{71}	16.8	X	269.94036	97.06313	22.65739	5.99749	0.0969994	0.27390076	2.3482296	20	12 4.6	19.4
224882 2007 BS_{74}	17.0	X	83.41487	147.81646	338.08661	2.09944	0.1625374	0.23329491	2.6133598	20	4 30.4	20.4
224883 2007 BX_{78}	17.1	X	346.40470	234.58691	166.11633	3.47886	0.1347345	0.27592719	2.3367184	20	12 29.4	19.4
224884 2007 BS_{79}	17.4	X	165.62086	308.81485	217.15982	2.06482	0.1307662	0.25943618	2.4347200	20	9 19.5	21.0
224885 2007 BH_{80}	17.7	X	236.25160	285.35335	131.50554	1.90456	0.1647095	0.25628222	2.4546546	20	7 9.4	21.3
224886 2007 CS	17.3	X	297.83830	289.81982	183.29859	2.01091	0.1533836	0.28075013	2.3098799	20	—	—
224887 2007 CW_{2}	16.9	X	345.02949	176.12711	199.69452	1.69990	0.2228217	0.27252496	2.3561261	20	12 2.3	18.7
224888 Cochingchu	17.9	X	263.17776	148.93927	323.14211	2.82919	0.1677019	0.27316652	2.3524356	20	11 1.1	20.3
224889 2007 CM_{10}	17.5	X	276.62655	312.76150	133.74194	5.59471	0.2037982	0.27253522	2.3560670	20	10 16.0	19.8
224890 2007 CN_{11}	17.3	X	320.52641	260.00502	134.45702	1.75843	0.1876440	0.27105817	2.3646183	20	10 31.5	18.8
224891 2007 CP_{14}	17.2	X	331.30483	142.48836	308.89435	2.04595	0.1629374	0.28250663	2.3002954	20	—	—
224892 2007 CK_{16}	17.3	X	51.35498	256.48350	110.34919	4.21910	0.1701852	0.28747432	2.2737184	20	—	—
224893 2007 CJ_{19}	16.8	X	258.54498	56.88245	44.90909	7.61833	0.0625818	0.27034592	2.3687697	20	10 28.3	19.4
224894 2007 CT_{21}	16.7	X	300.38753	196.14234	222.84801	3.62833	0.0905202	0.26978004	2.3720809	20	10 29.7	18.9
224895 2007 CV_{21}	16.2	X	166.08410	294.48069	263.32064	5.82454	0.0818942	0.26704265	2.3882638	20	11 2.6	19.6
224896 2007 CK_{22}	15.8	X	253.65611	152.43193	134.79967	15.34581	0.1184456	0.22938722	2.6429558	20	2 18.1	19.8
224897 2007 CF_{25}	16.6	X	355.71255	207.27516	210.72068	2.50349	0.1332592	0.27922476	2.3182847	20	—	—
224898 2007 CV_{27}	16.4	X	290.40229	290.76336	316.54103	1.83380	0.1404404	0.22645372	2.6657315	20	2 5.7	20.1
224899 2007 CS_{40}	17.3	X	292.64844	145.09272	308.23136	2.26595	0.1221635	0.27447448	2.3449562	20	12 4.8	19.5
224900 2007 CF_{46}	17.4	X	29.56201	228.48808	198.77393	2.73275	0.1326259	0.29002155	2.2603856	20	—	—
224901 2007 CJ_{47}	15.4	X	312.97302	240.41136	320.41209	7.49802	0.2272965	0.21909805	2.7250661	20	—	—
224902 2007 CP_{54}	16.4	X	17.11346	322.21257	215.54938	3.69374	0.2188921	0.22797882	2.6538297	20	3 17.4	18.6
224903 2007 CW_{59}	17.0	X	303.01372	219.46939	211.48522	2.55262	0.1777923	0.27222796	2.3578395	20	11 18.4	18.5
224904 2007 CL_{63}	15.5	X	102.93723	202.99969	1.64462	8.44640	0.1856150	0.17775826	3.1326811	20	9 4.9	20.4
224905 2007 CM_{64}	16.4	X	187.35797	42.03531	184.17004	4.86195	0.0427228	0.20058973	2.8902157	20	12 22.9	20.6
224906 2007 CW_{64}	14.8	X	70.51982	225.05668	30.59605	24.45041	0.2979486	0.17631564	3.1497457	20	10 17.4	19.8
224907 2007 CB_{65}	17.0	X	253.51961	83.83897	340.36588	6.42392	0.1507159	0.26083714	2.4259942	20	8 13.4	20.0
224908 2007 CY_{65}	16.6	X	323.10666	38.98975	324.01866	3.50050	0.2771668	0.26742479	2.3859881	20	9 4.8	17.6
224909 2007 DN_{1}	16.1	X	292.85952	29.24599	181.96512	8.21315	0.1235719	0.21726373	2.7403828	20	—	—
224910 2007 DW_{5}	17.4	X	188.64952	55.15044	77.77747	3.95194	0.1681657	0.25906228	2.4370621	20	8 31.5	21.2
224911 2007 DS_{12}	17.7	X	318.46099	121.25902	359.13958	0.37125	0.1560503	0.28430469	2.2905865	20	—	—
224912 2007 DH_{13}	16.6	X	15.95319	282.82992	270.26688	2.28351	0.1406038	0.23202947	2.6228530	20	4 6.1	19.2
224913 2007 DF_{18}	16.2	X	317.86796	223.63900	342.54423	5.26100	0.0252317	0.22385698	2.6863069	20	2 6.1	19.7
224914 2007 DY_{20}	16.9	X	298.78193	74.45811	147.68025	5.49136	0.1128635	0.22076140	2.7113606	20	1 19.3	20.7
224915 2007 DA_{22}	17.1	X	137.53992	297.04290	158.58753	4.73630	0.1526357	0.24132031	2.5550935	20	5 24.0	21.0
224916 2007 DQ_{24}	16.5	X	279.06758	323.13152	327.24950	2.42452	0.0560492	0.23264128	2.6182525	20	3 28.0	20.0
224917 2007 DU_{27}	16.0	X	182.52867	166.96196	96.20498	3.29332	0.0445981	0.20562540	2.8428343	20	—	—
224918 2007 DZ_{27}	16.3	X	25.43735	27.99521	119.67958	4.66378	0.0343030	0.22510614	2.6763597	20	2 21.1	19.6
224919 2007 DH_{28}	16.9	X	51.40861	181.40034	22.10795	4.90056	0.0881329	0.24038153	2.5617416	20	6 19.5	20.1
224920 2007 DQ_{30}	17.2	X	312.35993	278.67350	139.25061	1.70337	0.1763259	0.27014478	2.3699453	20	11 18.7	18.8
224921 2007 DT_{32}	16.2	X	222.59262	205.93187	142.63788	3.00744	0.0471184	0.23226020	2.6211157	20	4 6.5	19.8
224922 2007 DA_{36}	16.5	X	50.33398	155.90797	339.94427	1.79446	0.0837455	0.22822562	2.6519161	20	3 14.3	19.5
224923 2007 DZ_{36}	15.6	X	103.63821	81.29465	173.90759	10.30702	0.0177339	0.18632039	3.0359582	20	10 22.2	19.9
224924 2007 DN_{37}	15.7	X	119.31308	244.00298	346.40655	8.79698	0.0402249	0.18469798	3.0537111	20	10 7.2	20.3
224925 2007 DM_{39}	15.6	X	215.73063	124.16472	75.49989	3.20409	0.0649198	0.19699546	2.9252652	20	12 20.0	19.7
224926 2007 DA_{41}	17.5	X	126.72337	20.26287	225.92434	30.22221	0.4398133	0.55804427	1.4611348	20	12 21.7	20.1
224927 2007 DF_{42}	17.0	X	258.00254	89.90971	336.28473	2.08493	0.1501605	0.26205353	2.4184811	20	8 21.6	19.8
224928 2007 DK_{42}	16.8	X	278.83182	87.31444	349.88708	6.00128	0.1763547	0.26854897	2.3793248	20	10 4.9	19.2
224929 2007 DH_{50}	17.1	X	139.09319	175.78653	31.56266	1.68396	0.1334334	0.26048354	2.4281892	20	10 17.0	20.9
224930 2007 DT_{52}	16.6	X	259.70907	173.79051	328.20060	6.19600	0.1483111	0.27302078	2.3532726	20	12 12.7	19.1
224931 2007 DJ_{56}	17.7	X	241.83867	313.93436	159.96347	4.01014	0.1428203	0.26671475	2.3902208	20	10 8.0	20.6
224932 2007 DR_{57}	15.9	X	353.22884	144.55396	353.78309	9.48580	0.1361212	0.21742760	2.7390057	20	—	—
224933 2007 DF_{60}	15.6	X	64.27103	127.95091	357.28962	10.43163	0.0731649	0.22855324	2.6493813	20	3 19.8	18.9
224934 2007 DM_{60}	16.3	X	282.39969	199.27771	23.68024	4.03450	0.1236020	0.21768710	2.7368285	20	1 1.6	20.4
224935 2007 DD_{61}	16.0	X	344.89411	345.55036	204.12016	13.31557	0.1847205	0.22350618	2.6891170	20	1 27.5	19.4
224936 2007 DX_{64}	16.6	X	176.25739	186.11336	163.17641	6.67402	0.1672266	0.22451191	2.6810801	20	2 18.8	21.0
224937 2007 DB_{65}	17.7	X	255.04953	254.06077	192.28452	0.62701	0.1408915	0.26387614	2.4073319	20	9 16.5	20.7
224938 2007 DX_{69}	16.4	X	142.72079	30.60176	350.74967	8.79316	0.0944263	0.22417324	2.6837798	20	2 21.3	20.2
224939 2007 DG_{71}	16.5	X	213.83516	201.21749	159.25485	12.60335	0.2027842	0.23385694	2.6091710	20	4 6.9	20.9
224940 2007 DE_{73}	16.2	X	252.76230	96.30156	130.13957	2.41406	0.0163785	0.21239243	2.7821253	20	—	—
224941 2007 DB_{74}	17.5	X	265.50822	266.36677	153.15527	1.80442	0.1776234	0.25966105	2.4333141	20	8 17.7	20.5
224942 2007 DG_{76}	16.7	X	115.03402	357.66616	155.57204	4.11951	0.2137385	0.24131514	2.5551300	20	7 18.8	20.8
224943 2007 DZ_{87}	16.2	X	275.25401	218.92902	9.34877	4.41518	0.0551584	0.21818080	2.7326984	20	1 8.4	20.1
224944 2007 DY_{98}	16.8	X	239.84269	299.00001	135.58415	3.01926	0.1648915	0.25933812	2.4353337	20	8 6.9	20.2
224945 2007 DH_{102}	17.2	X	260.56960	5.06289	32.13791	1.87617	0.1839438	0.25718571	2.4489025	20	7 9.5	20.6
224946 2007 DF_{106}	15.9	X	13.77701	276.45220	157.20812	2.39401	0.0462401	0.20321262	2.8652923	20	—	—
224947 2007 DU_{110}	16.8	X	195.70485	115.52268	173.10432	1.55920	0.0875418	0.21571045	2.7535222	20	—	—
224948 2007 DD_{111}	15.9	X	59.65365	95.52916	213.65846	1.35023	0.1296987	0.18752977	3.0228916	20	11 17.8	20.0
224949 2007 DA_{113}	16.6	X	159.61349	187.65658	113.08780	1.58601	0.0462851	0.20918773	2.8104676	20	—	—
224950 2007 DX_{115}	16.6	X	70.52931	336.18061	189.35624	13.67017	0.1082149	0.23838017	2.5760599	20	5 30.4	20.1
224951 2007 EA_{1}	15.6	X	24.15836	163.73367	21.30980	12.38159	0.1266898	0.22881990	2.6473225	20	4 11.3	18.1
224952 2007 EN_{3}	16.8	X	154.74972	193.82058	314.56736	1.91198	0.0864882	0.25247158	2.4792922	20	8 16.1	20.4
224953 2007 ER_{5}	16.6	X	189.26202	123.91328	202.14056	1.40041	0.0889221	0.22196879	2.7015195	20	1 31.7	20.8
224954 2007 EK_{9}	15.4	X	335.80678	175.63436	177.47924	14.34007	0.0667709	0.17859501	3.1228887	20	9 7.3	19.6
224955 2007 EU_{11}	15.2	X	114.63295	23.75505	182.99818	7.04790	0.1086215	0.17965779	3.1105607	20	9 9.9	19.9
224956 2007 ER_{12}	16.1	X	199.21144	351.58092	352.30708	4.31270	0.1054032	0.22711251	2.6605740	20	3 3.9	20.0
224957 2007 EA_{13}	16.7	X	21.08131	241.81126	312.59020	2.69288	0.0799723	0.23304603	2.6152201	20	4 15.5	19.7
224958 2007 EM_{18}	16.0	X	169.33790	193.40549	356.42384	10.63730	0.0889016	0.18726458	3.0257448	20	10 13.0	20.7
224959 2007 EF_{19}	17.4	X	333.78929	21.14204	38.92447	2.03901	0.1670498	0.27435037	2.3456633	20	—	—
224960 2007 EC_{23}	15.4	X	126.96105	68.38449	151.73414	6.02358	0.1267450	0.18128464	3.0919232	20	10 12.3	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
224961 2007 EF_{23}	16.5	X	122.72073	321.56580	67.19545	3.85170	0.0101317	0.21674811	2.7447271	20	1 27.1	20.2
224962 Michaelgrünewald	16.7	X	231.25836	279.99662	154.93226	9.46349	0.0611947	0.25428662	2.4674804	20	8 9.5	19.9
224963 2007 EK_{31}	16.5	X	263.75793	172.58925	48.48528	2.07707	0.1654211	0.21355600	2.7720104	20	—	—
224964 2007 EG_{36}	16.1	X	354.97457	183.69260	54.89830	8.57355	0.0846344	0.23252133	2.6191529	20	5 6.8	19.0
224965 2007 ES_{42}	15.3	X	78.13215	282.07437	6.28049	16.62669	0.1568089	0.18290753	3.0736069	20	11 9.6	20.2
224966 2007 EF_{43}	15.4	X	82.13362	82.28176	175.64138	9.78672	0.0772317	0.17951405	3.1122210	20	10 5.2	19.9
224967 2007 EL_{47}	16.6	X	239.18475	260.68862	218.94279	6.01012	0.2328994	0.26595649	2.3947618	20	9 25.9	20.0
224968 2007 EX_{48}	15.2	X	86.14480	149.71592	183.87839	11.08815	0.0999412	0.19301562	2.9653394	20	—	—
224969 2007 EE_{49}	15.3	X	88.93308	230.76582	25.36753	9.98793	0.0305607	0.17963088	3.1108713	20	10 5.5	19.7
224970 2007 EE_{52}	15.8	X	220.71177	54.35448	192.92097	5.54095	0.0771673	0.20843905	2.8171934	20	—	—
224971 2007 ER_{53}	15.6	X	132.79650	15.27801	199.27313	10.03593	0.1412529	0.17922482	3.1155683	20	10 9.5	20.5
224972 2007 ES_{53}	15.0	X	193.63484	165.51566	20.63199	13.54126	0.1003754	0.18709425	3.0275809	20	11 1.7	19.7
224973 2007 EC_{54}	15.1	X	150.31589	191.59112	27.57334	11.42583	0.0425831	0.18380021	3.0636469	20	10 29.9	19.5
224974 2007 ED_{54}	16.0	X	146.17066	253.55658	48.69701	2.29401	0.0553448	0.19878479	2.9076845	20	—	—
224975 2007 EV_{57}	16.2	X	114.38529	226.13958	139.40440	5.74197	0.0310930	0.21309179	2.7760348	20	—	—
224976 2007 EV_{65}	15.9	X	283.80929	157.11737	44.88034	5.08695	0.0098296	0.21237424	2.7822842	20	—	—
224977 2007 ER_{66}	15.5	X	53.12055	238.86291	21.49269	5.39159	0.1496141	0.17366564	3.1817066	20	9 12.6	19.8
224978 2007 EF_{70}	16.3	X	339.34453	5.65961	63.92242	3.71075	0.0400613	0.19675195	2.9276783	20	12 22.7	20.2
224979 2007 EW_{70}	16.2	X	199.37334	317.77726	33.24456	6.87639	0.0737011	0.22462055	2.6802155	20	3 15.4	20.1
224980 2007 EJ_{74}	16.2	X	353.91802	110.63560	323.42185	1.50801	0.0250518	0.20003391	2.8955671	20	—	—
224981 2007 EJ_{80}	16.4	X	340.08751	234.43016	0.41882	1.18253	0.0547323	0.22856189	2.6493144	20	4 9.1	19.7
224982 2007 ER_{80}	17.2	X	255.73587	222.44032	217.30477	1.76432	0.1449032	0.26467021	2.4025145	20	9 6.9	20.2
224983 2007 EX_{80}	17.2	X	306.99821	141.94860	255.95775	1.45105	0.1970006	0.26796734	2.3827664	20	9 29.9	18.8
224984 2007 EW_{85}	15.3	X	156.03408	354.42658	182.75947	28.12125	0.1133718	0.17870843	3.1215672	20	9 15.2	20.3
224985 2007 EA_{94}	16.2	X	177.74815	194.77299	155.42441	3.16460	0.0871238	0.22263877	2.6960970	20	2 18.3	20.3
224986 2007 EQ_{94}	17.5	X	253.96117	290.73412	150.11364	1.42916	0.1594321	0.26101425	2.4248967	20	9 4.0	20.5
224987 2007 ED_{97}	16.0	X	100.70869	41.02374	218.77595	2.28646	0.0739098	0.18175387	3.0865994	20	10 27.1	20.6
224988 2007 ET_{104}	17.8	X	279.48231	59.00963	28.18337	1.77530	0.1495590	0.26707436	2.3880748	20	10 26.6	20.2
224989 2007 EE_{107}	16.0	X	25.19227	72.16280	36.67453	8.69171	0.0631298	0.21404640	2.7677748	20	1 2.8	19.5
224990 2007 EY_{110}	15.1	X	338.82068	211.28956	169.33732	10.27274	0.0941184	0.18326930	3.0695608	20	10 22.2	18.9
224991 2007 EH_{111}	16.8	X	131.20392	100.11026	27.13118	8.43541	0.1624775	0.24093603	2.5578096	20	6 27.5	20.9
224992 2007 EV_{112}	16.0	X	9.60568	300.46114	200.68788	13.35818	0.0740568	0.21604637	2.7506673	20	1 17.1	19.7
224993 2007 EM_{127}	16.0	X	99.02798	107.89505	175.82789	1.42975	0.0600127	0.19184516	2.9773884	20	11 23.8	20.4
224994 2007 EN_{128}	17.4	X	228.03033	115.93224	349.07161	0.48075	0.1372188	0.26012918	2.4303939	20	9 6.9	20.8
224995 2007 EO_{130}	15.9	X	25.06942	136.21489	162.06214	1.47856	0.1609891	0.17589940	3.1547127	20	9 21.3	19.7
224996 2007 EV_{130}	16.4	X	260.52423	38.89941	172.70715	2.03922	0.0156035	0.20980489	2.8049534	20	—	—
224997 2007 EO_{134}	17.0	X	15.62975	5.40671	201.68309	3.26149	0.1449617	0.23532636	2.5982983	20	4 28.2	19.5
224998 2007 EU_{135}	16.5	X	22.68136	118.93993	195.16379	0.51523	0.0837315	0.18092858	3.0959785	20	9 28.8	20.3
224999 2007 EE_{138}	16.9	X	266.80925	181.13792	257.10455	2.23196	0.1539581	0.26697811	2.3886487	20	9 19.7	19.5
225000 2007 EL_{141}	15.3	X	54.32338	87.26412	193.17178	15.79973	0.0813495	0.17851751	3.1237924	20	9 27.7	19.7
225001 2007 EL_{149}	17.1	X	291.03558	60.06077	13.32306	12.21267	0.1709071	0.26694063	2.3888722	20	10 22.4	19.3
225002 2007 ED_{154}	15.3	X	155.02534	72.44337	358.40919	21.67431	0.0847679	0.23384475	2.6092617	20	4 24.8	19.5
225003 2007 EC_{165}	15.8	X	340.38384	2.50420	214.25941	4.15587	0.1961101	0.22392903	2.6857306	20	2 26.4	18.7
225004 2007 EM_{166}	16.2	X	286.07291	60.58365	207.52661	3.04849	0.1459285	0.22405672	2.6847101	20	2 25.1	20.0
225005 2007 EW_{166}	15.4	X	106.28912	225.05171	338.92617	4.79834	0.1137238	0.17589574	3.1547565	20	8 29.7	20.0
225006 2007 EB_{167}	16.8	X	5.97124	138.27184	32.19130	5.22194	0.0955859	0.22154012	2.7050033	20	2 22.6	19.9
225007 2007 EJ_{167}	17.3	X	169.25966	302.39718	222.54355	1.72747	0.1407284	0.25660045	2.4526247	20	9 21.2	21.0
225008 2007 EL_{167}	15.7	X	328.50978	175.28500	45.92716	9.78444	0.0659437	0.22331850	2.6906234	20	3 9.7	19.3
225009 2007 ED_{169}	15.6	X	3.63400	181.40273	189.07848	10.57647	0.0579657	0.18540801	3.0459099	20	11 12.4	19.7
225010 2007 EA_{181}	15.4	X	105.03668	35.89787	206.04648	13.42773	0.1107705	0.17826363	3.1267577	20	10 12.8	20.1
225011 2007 EV_{181}	15.5	X	124.73620	11.23538	214.44057	8.88712	0.0539481	0.17965293	3.1106167	20	10 9.3	20.0
225012 2007 EP_{184}	16.2	X	5.16207	333.94045	198.64974	17.19088	0.2253165	0.22509878	2.6764181	20	2 5.6	19.1
225013 2007 EQ_{188}	16.3	X	47.62072	55.18761	267.49223	2.20184	0.1026579	0.18919502	3.0051276	20	11 15.9	20.5
225014 2007 ET_{188}	16.4	X	148.92898	176.02986	192.30338	5.90753	0.0575317	0.22129594	2.7069927	20	2 5.2	20.3
225015 2007 EG_{196}	15.1	X	92.02747	281.78590	14.65776	11.96931	0.0822684	0.18691891	3.0294739	20	11 29.6	19.8
225016 2007 EE_{202}	16.0	X	77.94908	106.14402	191.84820	2.60866	0.0114808	0.18869214	3.0104645	20	11 10.7	20.1
225017 2007 EB_{204}	17.0	X	40.79112	293.88499	174.83574	2.90093	0.1414092	0.21744596	2.7388515	20	1 27.3	19.9
225018 2007 EJ_{206}	16.8	X	271.79744	50.69822	23.13218	5.42870	0.2057390	0.26637764	2.3922370	20	9 15.6	19.4
225019 2007 EO_{214}	16.0	X	103.28301	41.12987	195.00188	6.75670	0.1608631	0.17820681	3.1274222	20	10 9.0	20.7
225020 2007 EX_{218}	16.4	X	121.04112	346.54055	320.36786	1.15410	0.1354578	0.19742912	2.9209800	20	—	—
225021 2007 FL	15.8	X	222.21764	301.97827	357.74434	5.02794	0.0455500	0.22057594	2.7128803	20	2 5.9	19.7
225022 2007 FB_{12}	16.8	X	60.78230	266.03052	226.73634	1.37799	0.1480755	0.22946794	2.6423360	20	4 3.9	19.7
225023 2007 FF_{15}	15.2	X	71.46612	69.75976	195.22546	26.04229	0.1035690	0.17792112	3.1307692	20	10 2.9	19.7
225024 2007 FK_{15}	16.3	X	109.54789	144.22589	329.80029	6.91079	0.0834087	0.23598802	2.5934393	20	5 4.5	19.9
225025 2007 FX_{18}	17.2	X	94.75388	346.03444	42.32209	0.65246	0.0778767	0.21550661	2.7552583	20	—	—
225026 2007 FB_{20}	16.1	X	44.02590	144.69290	31.76120	19.17701	0.1950539	0.23047699	2.6346181	20	5 10.4	19.0
225027 2007 FE_{21}	17.2	X	228.22919	310.08449	163.39416	6.29647	0.1251307	0.26326505	2.4110557	20	9 21.6	20.3
225028 2007 FU_{22}	15.3	X	29.33764	296.48469	23.41798	9.82431	0.0987923	0.18062815	3.0994104	20	10 17.4	19.4
225029 2007 FU_{24}	15.8	X	21.28791	126.34352	155.10189	1.33826	0.1196205	0.17417294	3.1755254	20	8 18.1	19.8
225030 2007 FN_{25}	16.8	X	350.33598	66.72552	31.38233	2.39831	0.0291897	0.20404852	2.8574617	20	—	—
225031 2007 FA_{26}	16.2	X	189.87790	355.80507	347.90958	5.34159	0.0443528	0.22443601	2.6816845	20	2 22.6	19.9
225032 2007 FH_{29}	16.6	X	315.27747	224.76903	39.18341	2.59491	0.0315675	0.23081531	2.6320430	20	4 15.8	19.9
225033 2007 FM_{35}	15.6	X	175.49853	181.09930	128.34058	10.27480	0.1491944	0.21062903	2.7976319	20	1 3.5	20.0
225034 2007 FY_{39}	15.1	X	117.75145	198.70882	61.50441	13.25803	0.0668483	0.18712431	3.0272567	20	11 16.1	19.7
225035 2007 FB_{42}	17.3	X	109.03406	269.53718	186.55449	11.25460	0.1748726	0.23250841	2.6192499	20	4 27.3	21.1
225036 2007 FJ_{42}	18.0	X	233.43634	104.50030	1.85131	4.02635	0.1787218	0.26042645	2.4285441	20	9 10.4	21.2
225037 2007 FR_{43}	16.3	X	6.28532	56.90116	276.63489	0.21413	0.1701723	0.17971822	3.1098634	20	10 7.9	19.9
225038 2007 GT_{2}	17.8	X	330.93823	227.37382	211.43450	1.21045	0.1572761	0.27580519	2.3374075	20	—	—
225039 2007 GY_{4}	16.0	X	136.30724	297.24049	88.51853	5.97531	0.0836298	0.21536773	2.7564427	20	2 19.9	20.0
225040 2007 GO_{5}	16.0	X	121.88211	323.03073	287.81129	1.62676	0.1855449	0.18262710	3.0767525	20	11 13.1	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225041 2007 GR_7	15.1	X	33.31752	298.34356	13.42284	9.67184	0.0481184	0.18039860	3.1020392	20	10 6.1	19.4
225042 2007 GQ_9	15.1	X	200.05502	217.27681	352.09770	9.92935	0.2143093	0.19237043	2.9719660	20	11 27.1	20.1
225043 2007 GN_{11}	15.3	X	73.37840	234.42616	27.83635	16.66507	0.1867328	0.17739065	3.1370075	20	10 14.4	20.0
225044 2007 GT_{14}	16.4	X	38.72491	87.01721	27.65353	7.25363	0.0871006	0.21669472	2.7451779	20	2 1.9	19.7
225045 2007 GE_{16}	16.1	X	324.23007	43.68656	342.55902	1.91140	0.0235005	0.17847062	3.1243395	20	10 5.2	20.4
225046 2007 GY_{16}	16.2	X	189.54377	162.86847	27.60211	9.57910	0.0844360	0.18526605	3.0474657	20	11 4.9	20.9
225047 2007 GN_{18}	15.5	X	88.62778	315.46828	18.41708	2.67124	0.0792421	0.19100339	2.9861297	20	—	—
225048 2007 GV_{18}	15.4	X	41.64433	56.09419	220.27871	8.80676	0.0411509	0.16985788	3.2290809	20	8 27.4	20.0
225049 2007 GV_{24}	15.1	X	98.47431	34.98694	230.95942	9.21861	0.1946525	0.17860045	3.1228252	20	11 11.0	20.1
225050 2007 GF_{41}	15.5	X	92.74805	31.21505	211.80493	7.91364	0.0718033	0.17423242	3.1748026	20	9 24.9	20.2
225051 2007 GN_{41}	14.8	X	316.91165	180.50956	216.14915	17.11140	0.1913183	0.17845140	3.1245639	20	9 23.6	18.5
225052 2007 GV_{45}	15.7	X	333.97829	225.52956	184.29694	5.04776	0.0459726	0.18373061	3.0644206	20	11 18.9	19.7
225053 2007 GP_{58}	16.5	X	236.18240	244.14625	8.75124	4.49498	0.0091759	0.21341535	2.7732283	20	—	—
225054 2007 GY_{61}	16.5	X	107.90339	96.76095	42.91613	9.99631	0.1512403	0.23789176	2.5795847	20	6 16.8	20.4
225055 2007 GE_{73}	16.1	X	136.35950	51.33679	184.81890	12.43651	0.1698504	0.18312264	3.0711994	20	11 10.2	21.3
225056 2007 GL_{73}	15.3	X	266.91211	317.42601	165.06645	10.69160	0.0512307	0.18763279	3.0217850	20	11 20.9	19.6
225057 2007 HK	16.5	X	52.09494	43.00798	2.58470	1.72697	0.0684580	0.20279916	2.8691854	20	—	—
225058 2007 HG_3	15.8	X	12.81867	307.00778	42.50184	5.73109	0.0467528	0.18048512	3.1010477	20	10 26.3	20.0
225059 2007 HJ_3	15.2	X	152.85211	17.39968	181.60967	22.54544	0.0344599	0.17865352	3.1222068	20	10 10.0	19.8
225060 2007 HG_4	14.9	X	276.84651	243.46620	81.57824	7.12178	0.1054018	0.15473622	3.4361706	20	5 8.1	19.8
225061 2007 HV_{10}	15.9	X	78.67878	122.88872	168.64415	2.08164	0.1023856	0.18171933	3.0869906	20	11 13.8	20.4
225062 2007 HS_{11}	16.2	X	100.59336	111.34866	57.45779	4.54728	0.0587474	0.23741284	2.5830526	20	7 6.4	19.7
225063 2007 HG_{16}	15.3	X	77.86859	267.79750	56.50272	11.61567	0.0759649	0.18602440	3.0391778	20	12 18.2	19.8
225064 2007 HS_{27}	15.6	X	82.75530	93.45544	221.23638	14.32837	0.0730976	0.18401600	3.0612514	20	12 12.0	20.2
225065 2007 HE_{33}	16.5	X	155.44967	2.86661	234.23102	6.48989	0.0398772	0.18714513	3.0270321	20	11 27.9	20.8
225066 2007 HN_{44}	16.0	X	318.73243	182.06365	63.35248	10.33160	0.1249956	0.22421954	2.6834103	20	3 19.9	19.5
225067 2007 HR_{47}	15.3	X	294.70579	220.03465	183.94946	4.91863	0.1182356	0.17522158	3.1628432	20	9 6.7	19.5
225068 2007 HE_{59}	16.4	X	145.75889	239.70843	49.25954	2.69109	0.0657405	0.19576891	2.9374709	20	—	—
225069 2007 HM_{60}	15.8	X	346.23820	188.27767	149.54450	2.39763	0.2159611	0.17368126	3.1815157	20	9 5.5	19.0
225070 2007 HM_{62}	15.5	X	323.24401	174.25227	211.84468	10.39512	0.1305901	0.17894701	3.1187921	20	9 27.3	19.4
225071 2007 HE_{70}	15.5	X	143.95329	190.36006	45.69738	17.34278	0.1802959	0.18105082	3.0945847	20	11 13.3	20.7
225072 2007 HT_{84}	15.7	X	174.68729	321.72037	191.34696	5.15207	0.1610445	0.17508565	3.1644800	20	9 2.7	20.9
225073 2007 HK_{90}	15.8	X	250.41835	276.76715	44.79780	12.84650	0.0156834	0.22805456	2.6532421	20	4 11.7	19.4
225074 2007 HH_{91}	15.9	X	80.61755	352.14135	29.25061	2.28311	0.0340295	0.19898463	2.9057374	20	—	—
225075 2007 HT_{95}	15.9	X	181.45982	157.32344	80.43980	3.25452	0.0271193	0.18939719	3.0029887	20	12 28.9	20.1
225076 Vallemare	15.2	X	131.72083	54.89977	175.27137	11.62767	0.0851803	0.18069613	3.0986330	20	10 27.3	20.0
225077 2007 JA_4	15.3	X	310.70262	342.54975	64.47534	11.10801	0.0855897	0.18191925	3.0847285	20	10 15.2	19.3
225078 2007 JM_4	15.7	X	327.70548	150.92942	56.57537	10.06257	0.0887935	0.21591130	2.7518144	20	2 17.1	19.4
225079 2007 JF_{19}	15.7	X	88.88685	214.21905	163.10034	6.30351	0.0793326	0.20267620	2.8703457	20	—	—
225080 2007 JA_{23}	15.4	X	169.43680	286.90474	265.93853	14.17682	0.0611677	0.17824859	3.1269335	20	10 13.8	20.4
225081 2007 JH_{25}	16.5	X	41.63460	357.65599	51.07857	1.53068	0.0696528	0.19711130	2.9241190	20	—	—
225082 2007 JL_{28}	15.7	X	70.33413	164.25456	115.29203	1.57626	0.1318719	0.17754792	3.1351548	20	10 24.3	20.2
225083 2007 KZ_5	15.5	X	30.66071	177.89946	229.72961	8.19069	0.0939961	0.19224133	2.9732964	20	—	—
225084 2007 KK_6	14.7	X	279.64962	352.38304	59.08149	17.23747	0.1225299	0.17047605	3.2212701	20	9 3.9	19.4
225085 2007 LB_1	15.8	X	254.77260	301.59726	207.98319	9.14522	0.0818228	0.18800697	3.0177742	20	12 2.7	20.0
225086 2007 LB_3	15.3	X	260.09612	249.63279	206.09352	8.86791	0.1436597	0.17757944	3.1347838	20	9 20.7	19.7
225087 2007 LZ_8	15.3	X	125.56090	28.41089	184.50027	4.94874	0.1196613	0.17342592	3.1846377	20	9 29.2	20.1
225088 2007 OR_{10}	1.8	X	105.99708	207.67255	336.85380	30.65672	0.5005640	0.00177830	67.4732921	20	8 27.7	21.3
225089 2007 PG_{28}	12.6	X	349.76350	97.52792	272.23999	10.51142	0.0319128	0.08249114	5.2263422	20	9 27.9	19.6
225090 2007 TH_{10}	15.9	X	308.65966	2.58525	15.09456	6.48352	0.0529946	0.22219482	2.6996870	20	9 9.9	19.2
225091 2007 TJ_{350}	13.2	X	202.58492	151.53643	5.83866	5.05510	0.0249585	0.08234758	5.2324146	20	10 1.5	20.2
225092 2008 AW_{27}	17.4	X	91.68807	158.89113	101.08053	2.90290	0.1894324	0.27800757	2.3250465	20	11 12.9	21.0
225093 2008 AF_{115}	17.8	X	147.47697	282.70387	335.30941	7.30325	0.1799916	0.29424284	2.2387148	20	—	—
225094 2008 CU_{25}	16.8	X	32.79936	45.57525	174.44294	4.72155	0.1347790	0.25823512	2.4422635	20	6 20.1	19.3
225095 2008 CD_{140}	17.5	X	120.24829	82.28368	169.66581	2.83666	0.1743672	0.28353060	2.2947538	20	11 28.6	21.0
225096 2008 DU	16.4	X	126.37132	200.98814	58.35102	9.28195	0.1561649	0.21432938	2.7653381	20	11 30.4	20.8
225097 2008 DX_{14}	17.2	X	106.73900	276.43715	357.52871	5.77120	0.1197074	0.28485987	2.2876094	20	12 11.1	20.6
225098 2008 DB_{16}	17.0	X	198.84307	281.36003	354.86363	6.61633	0.0905605	0.30656082	2.1783364	20	—	—
225099 2008 DM_{32}	17.4	X	113.94862	252.62779	28.37941	2.85881	0.1936408	0.28778826	2.2720646	20	12 29.3	21.0
225100 2008 DE_{35}	17.3	X	83.15803	301.88988	354.96594	3.97685	0.0712838	0.28458173	2.2890997	20	12 12.2	20.4
225101 2008 DS_{35}	16.4	X	54.93722	92.64176	194.02913	6.39832	0.1201131	0.27458786	2.3443107	20	10 30.9	19.3
225102 2008 DD_{39}	17.7	X	180.74864	209.04184	353.61467	3.47865	0.1057457	0.28638707	2.2794695	20	11 27.8	20.7
225103 2008 DL_{40}	16.8	X	296.15208	94.30137	185.54286	8.57037	0.1962624	0.24252558	2.5466212	20	3 14.6	20.1
225104 2008 DZ_{66}	15.8	X	253.05672	299.58221	343.87250	14.22250	0.1696800	0.23627195	2.5913611	20	2 10.4	20.0
225105 2008 DX_{67}	17.6	X	173.67482	357.52344	236.28962	4.39914	0.1023142	0.29025234	2.2591873	20	—	—
225106 2008 DN_{68}	16.4	X	125.15871	252.41559	18.94563	7.22113	0.2818281	0.20085752	2.8876462	20	12 13.6	21.7
225107 2008 DD_{69}	17.3	X	72.87950	75.41324	180.84531	6.21327	0.1396148	0.27050475	2.3678424	20	10 13.9	20.5
225108 2008 DQ_{69}	17.4	X	201.82891	219.14406	87.19996	3.09284	0.1509094	0.31314937	2.1476740	20	1 10.8	20.6
225109 2008 DC_{76}	17.3	X	114.95834	250.45485	0.14191	5.51848	0.1367872	0.28296589	2.2978058	20	11 18.9	20.7
225110 2008 DP_{82}	16.8	X	53.10988	156.22809	163.65348	12.15712	0.1987685	0.28081069	2.3095478	20	12 21.8	20.4
225111 2008 ED	17.6	X	4.75232	334.51475	3.00632	19.60810	0.0937874	0.36185279	1.9503599	20	11 5.7	19.8
225112 2008 EH_4	17.9	X	217.95915	262.67040	2.96453	6.32780	0.1817100	0.30773197	2.1728061	20	—	—
225113 2008 EL_9	17.1	X	28.16704	218.23730	184.99954	22.22058	0.1102445	0.38228854	1.8802194	20	—	—
225114 2008 EY_{14}	16.9	X	55.12394	268.45576	17.09444	2.61861	0.1630944	0.27306398	2.3530244	20	11 2.9	20.0
225115 2008 EY_{41}	17.0	X	20.42950	274.81635	27.41094	6.55816	0.1193220	0.26936841	2.3744969	20	10 2.2	19.5
225116 2008 EE_{45}	17.4	X	51.12003	248.49094	354.98978	2.71885	0.1503987	0.26357207	2.4091830	20	8 29.1	20.1
225117 2008 EX_{45}	16.6	X	8.61484	20.40196	299.90039	5.96989	0.1268083	0.27113287	2.3641840	20	10 5.0	19.2
225118 2008 EF_{76}	17.1	X	119.55497	189.41132	54.81732	6.36933	0.1678232	0.27829186	2.3234627	20	11 16.9	20.8
225119 2008 EV_{77}	17.5	X	78.05498	114.50990	149.55436	2.99452	0.2037942	0.27256868	2.3558741	20	11 5.9	21.1
225120 2008 EE_{82}	16.6	X	84.87844	102.63672	174.24081	6.63999	0.1340097	0.27777655	2.3263354	20	11 23.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225121 2008 ES_{100}	17.1	X	319.63313	4.63279	352.42796	18.73663	0.0926379	0.35691945	1.9682907	20	9 17.7	18.4
225122 2008 EK_{123}	17.7	X	248.19964	47.45237	171.39213	3.71897	0.0851467	0.30259058	2.1973494	20	—	—
225123 2008 EV_{131}	17.3	X	202.92146	250.24104	20.21084	7.14878	0.1110921	0.30464110	2.1874781	20	—	—
225124 2008 EZ_{134}	17.2	X	14.32675	232.41425	63.41486	3.47039	0.1768776	0.26585208	2.3953888	20	9 20.9	19.4
225125 2008 EP_{137}	18.0	X	101.70091	124.69691	133.84675	3.06553	0.1795882	0.27698866	2.3307448	20	11 19.7	21.6
225126 2008 EE_{149}	17.6	X	204.97841	340.97513	216.08984	2.96996	0.1228734	0.28952217	2.2629841	20	12 18.6	20.3
225127 2008 FP_{10}	17.7	X	27.04376	65.03276	229.72436	2.19309	0.2045811	0.27221314	2.3579251	20	10 14.9	20.3
225128 2008 FH_{40}	17.5	X	108.62175	187.44914	42.41319	6.04563	0.1006080	0.27344286	2.3508504	20	10 16.2	20.8
225129 2008 FR_{55}	16.9	X	240.26435	101.42742	196.52659	10.03637	0.1235412	0.23502221	2.6005394	20	2 12.9	21.0
225130 2008 FK_{59}	17.5	X	281.41137	73.55726	147.07795	3.89686	0.1131466	0.30956540	2.1642185	20	—	—
225131 2008 FF_{67}	16.9	X	22.95470	277.17655	48.18179	3.77402	0.1342491	0.27027687	2.3691731	20	11 9.4	19.4
225132 2008 FC_{68}	17.4	X	108.72265	154.85290	80.32410	3.17800	0.1361399	0.27235617	2.3570994	20	10 25.2	20.9
225133 2008 FK_{69}	16.4	X	204.02816	135.00262	193.93669	12.76480	0.1843055	0.23003092	2.6380230	20	2 15.8	21.0
225134 2008 FJ_{70}	17.1	X	240.10561	319.73580	296.29726	1.27663	0.1222558	0.22334284	2.6904279	20	—	—
225135 2008 FC_{79}	17.3	X	75.40131	92.10458	196.64859	5.27750	0.1646025	0.27765023	2.3270409	20	12 1.2	20.7
225136 2008 FT_{94}	16.9	X	265.17590	140.74300	153.07109	4.52559	0.1837743	0.23661690	2.5888420	20	3 1.3	20.9
225137 2008 FW_{94}	16.6	X	78.06077	196.58859	59.34706	6.09670	0.1058449	0.26998321	2.3708908	20	10 16.5	19.8
225138 2008 FT_{98}	16.0	X	329.15122	217.04740	71.80406	14.42062	0.1651704	0.25357131	2.4721186	20	5 26.4	18.3
225139 2008 FY_{99}	16.2	X	109.92120	283.66545	157.36538	9.64815	0.1028955	0.24119747	2.5559610	20	3 29.7	19.7
225140 2008 FC_{101}	16.8	X	13.75947	180.96950	161.25966	8.76653	0.1251366	0.27417343	2.3466724	20	11 21.1	19.6
225141 2008 FX_{102}	16.8	X	294.60777	215.50495	142.64981	6.85986	0.1201439	0.25863645	2.4397364	20	7 13.8	19.5
225142 2008 FE_{107}	17.5	X	22.97986	146.04479	119.92107	2.32331	0.1564202	0.25977108	2.4326270	20	8 16.1	19.9
225143 2008 FW_{123}	17.8	X	315.29335	243.63596	182.73160	7.07441	0.0755544	0.28199398	2.3030825	20	12 10.1	20.2
225144 2008 FT_{128}	16.8	X	317.02755	161.57589	188.90840	6.23958	0.2308505	0.26308706	2.4121430	20	7 28.3	18.8
225145 2008 GC	16.9	X	229.53723	189.89138	345.08124	7.64491	0.0598036	0.28847125	2.2684769	20	—	—
225146 2008 GQ_{1}	17.0	X	131.68347	237.41818	342.04218	1.47948	0.1317049	0.27569257	2.3380440	20	10 26.6	20.6
225147 2008 GQ_{8}	17.2	X	94.17418	274.60128	46.81579	6.10507	0.2250435	0.28758705	2.2731242	20	—	—
225148 2008 GC_{23}	16.6	X	350.16957	288.89216	42.59055	9.05211	0.2304596	0.26706034	2.3881583	20	10 5.7	18.3
225149 2008 GV_{23}	17.0	X	62.19257	237.34015	48.51239	7.73754	0.0885358	0.27521969	2.3407213	20	11 3.2	20.0
225150 2008 GR_{46}	15.5	X	346.53728	137.45764	165.17960	9.66509	0.0793261	0.17509622	3.1643526	20	7 18.2	19.7
225151 2008 GN_{47}	15.1	X	53.41822	218.02677	72.50703	10.66674	0.2344438	0.18448870	3.0560200	20	11 4.2	19.5
225152 2008 GB_{52}	16.7	X	140.05663	312.06161	32.08523	3.56175	0.2181880	0.30469816	2.1872050	20	1 4.3	19.5
225153 2008 GK_{64}	16.3	X	220.40255	116.04431	195.01922	13.61967	0.1216576	0.22916400	2.6446718	20	2 9.6	20.7
225154 2008 GK_{65}	17.2	X	287.30738	261.70397	25.88403	5.01901	0.1740249	0.24183762	2.5514485	20	3 19.3	20.7
225155 2008 GO_{65}	17.6	X	135.54111	220.86270	27.85127	5.65944	0.1323491	0.28132262	2.3067451	20	12 7.0	21.0
225156 2008 GG_{67}	17.3	X	120.00292	225.28095	65.00364	3.77306	0.1611988	0.28458383	2.2890884	20	—	—
225157 2008 GP_{69}	16.4	X	184.09182	96.56682	187.60788	12.49299	0.1780997	0.21358432	2.7717654	20	—	—
225158 2008 GP_{77}	17.3	X	353.10206	181.56633	156.31428	7.54876	0.1295260	0.26663823	2.3906781	20	10 8.7	19.6
225159 2008 GF_{83}	16.8	X	70.66251	172.56403	109.24223	4.14688	0.1681099	0.27276574	2.3547393	20	11 17.5	20.1
225160 2008 GL_{96}	16.5	X	339.67111	184.58192	167.44767	6.74745	0.1442653	0.26878054	2.3779579	20	10 4.4	18.5
225161 2008 GS_{97}	17.6	X	192.52467	250.82988	304.77923	1.64981	0.1499286	0.28473108	2.2882991	20	11 27.2	20.6
225162 2008 GY_{99}	16.8	X	156.63403	42.65284	197.58159	7.48670	0.0865307	0.28495401	2.2871055	20	12 21.5	20.0
225163 2008 GH_{102}	16.4	X	269.33137	259.69032	41.14396	14.99983	0.1326960	0.23965454	2.5669197	20	3 26.3	20.2
225164 2008 GC_{114}	16.5	X	211.51141	105.33467	210.69773	11.41539	0.2354533	0.22993144	2.6387838	20	2 5.8	21.3
225165 2008 GZ_{117}	17.0	X	145.25892	240.45584	110.60086	4.14535	0.1989793	0.30766045	2.1731428	20	1 16.0	19.8
225166 2008 GF_{119}	17.3	X	122.61297	141.01957	86.55127	2.41421	0.1413469	0.27300913	2.3533396	20	10 29.3	20.7
225167 2008 GR_{121}	17.0	X	51.84825	165.29002	175.21680	6.60021	0.1404898	0.28287866	2.2982782	20	—	—
225168 2008 GN_{129}	17.9	X	170.13322	35.35896	189.01794	6.93570	0.0623909	0.28359922	2.2943836	20	12 18.5	21.0
225169 2008 GK_{130}	18.0	X	247.83840	346.04216	205.71439	3.94328	0.0828861	0.29417514	2.2390583	20	—	—
225170 2008 GA_{141}	17.3	X	108.89700	147.58449	213.26371	7.40243	0.0798318	0.30050617	2.2074987	20	—	—
225171 2008 HC_{1}	16.9	X	356.37150	175.48520	139.96910	7.71000	0.1012944	0.26170372	2.4206358	20	9 5.8	19.3
225172 2008 HC_{3}	17.5	X	277.89979	259.08283	212.58338	20.22838	0.0962631	0.36492746	1.9393894	20	—	—
225173 2008 HW_{3}	17.2	X	138.99104	355.15778	239.85646	1.99710	0.1794125	0.27794781	2.3253797	20	11 22.7	20.9
225174 2008 HO_{5}	17.6	X	55.81218	52.37094	214.11291	1.94008	0.1590830	0.26719832	2.3873361	20	10 7.7	20.8
225175 2008 HG_{11}	16.3	X	210.60046	139.42629	187.24376	13.65414	0.1896647	0.22880944	2.6474032	20	2 18.9	21.0
225176 2008 HV_{18}	16.6	X	267.14840	152.82588	207.57408	5.27399	0.2375616	0.25595604	2.4567396	20	5 20.8	20.2
225177 2008 HP_{32}	17.9	X	214.50789	107.53109	108.19897	3.38257	0.1376004	0.29234945	2.2483704	20	—	—
225178 2008 HL_{33}	16.2	X	178.48008	104.69439	194.33591	11.54370	0.1723626	0.21471379	2.7620366	20	—	—
225179 2008 HF_{35}	16.1	X	234.71383	178.54470	131.94631	8.61168	0.1832323	0.23182882	2.6243662	20	2 23.8	20.3
225180 2008 HN_{38}	16.9	X	153.51856	234.58790	28.90776	7.48437	0.1183290	0.28754847	2.2733275	20	—	—
225181 2008 HB_{39}	16.9	X	6.22164	288.14497	10.02866	5.77804	0.1279654	0.26580737	2.3956574	20	9 1.7	19.1
225182 2008 HU_{45}	17.0	X	151.62138	141.86432	84.43602	6.50530	0.1126818	0.27874534	2.3209421	20	11 26.4	20.5
225183 2008 HO_{46}	16.8	X	134.21227	139.53154	203.23891	7.47659	0.1625423	0.21462476	2.7628004	20	1 2.6	20.9
225184 2008 HX_{54}	17.1	X	152.54324	43.61466	183.57231	4.12238	0.1009161	0.27849964	2.3223069	20	11 28.9	20.4
225185 2008 HC_{56}	14.7	X	17.24139	225.86009	89.13263	18.65820	0.2049894	0.18005166	3.1060228	20	10 17.9	18.7
225186 2008 HQ_{58}	16.8	X	326.76701	299.21382	81.15081	3.28639	0.1958757	0.26931959	2.3747838	20	10 23.7	18.4
225187 2008 HM_{60}	15.1	X	32.32075	227.34996	79.94241	18.03745	0.2119948	0.18389873	3.0625526	20	10 30.7	19.3
225188 2008 HG_{61}	15.8	X	16.37584	163.17087	148.37520	10.90330	0.2149162	0.17945485	3.1129054	20	10 5.7	19.4
225189 2008 HG_{62}	16.5	X	145.24874	206.95584	164.53100	5.88457	0.0543649	0.22582359	2.6706882	20	2 4.6	20.2
225190 2008 HG_{63}	17.3	X	246.48231	18.44486	148.80321	4.16296	0.0636768	0.29051683	2.2578158	20	—	—
225191 2008 JZ_{1}	16.7	X	326.41310	122.85189	210.63158	5.49598	0.1593614	0.26358167	2.4091245	20	7 30.7	18.8
225192 2008 JX_{5}	15.6	X	213.52252	239.56452	48.37028	10.62065	0.1602565	0.22004251	2.7172629	20	1 12.0	20.2
225193 2008 JC_{12}	17.6	X	336.20070	167.33503	188.52033	2.54730	0.1411805	0.26432227	2.4046223	20	9 30.2	19.5
225194 2008 JO_{12}	16.4	X	238.92148	186.19689	120.27460	11.17231	0.0957378	0.23131755	2.6282318	20	2 29.9	20.4
225195 2008 JY_{13}	16.6	X	245.30099	119.64326	161.80146	5.44856	0.0800613	0.22662822	2.6643630	20	2 3.9	20.5
225196 2008 JK_{17}	16.0	X	189.99109	227.73556	85.53301	8.69709	0.0731383	0.22365209	2.6879472	20	1 17.3	20.0
225197 2008 JW_{18}	16.7	X	210.67308	154.57695	61.27086	8.52942	0.1132397	0.28922330	2.2645428	20	—	—
225198 2008 JR_{25}	16.2	X	270.62956	223.03481	182.11650	14.50756	0.0994610	0.26368994	2.4084650	20	8 15.4	19.3
225199 2008 JK_{28}	17.2	X	68.71760	280.45736	133.00448	5.41162	0.0871861	0.30097646	2.2051985	20	—	—
225200 2008 JT_{34}	16.7	X	120.19459	206.58376	154.91849	9.93080	0.1639059	0.21486181	2.7607679	20	1 10.2	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225201 2008 KT_7	16.8	X	324.16515	333.43515	96.54161	4.78488	0.0461935	0.28222913	2.3018030	20	12 27.3	19.0
225202 2008 KE_{25}	15.8	X	356.33921	147.02475	164.78949	5.02662	0.1178803	0.17857067	3.1231724	20	8 17.1	19.6
225203 2008 KM_{36}	16.0	X	55.45787	108.69497	214.11106	19.73394	0.1912333	0.19012930	2.9952749	20	12 7.4	20.6
225204 2008 KN_{39}	15.1	X	332.78113	129.67234	209.49394	17.45206	0.1699423	0.17398317	3.1778341	20	8 4.7	19.1
225205 2008 KO_{41}	15.7	X	68.29478	258.13666	232.48309	14.07597	0.1012936	0.24049916	2.5609062	20	4 1.4	18.9
225206 2008 LP	16.5	X	198.38110	269.55656	53.75647	12.27791	0.2049389	0.22657535	2.6647774	20	2 12.9	21.2
225207 2008 LG_{12}	15.4	X	203.42958	259.69018	93.70200	15.32883	0.2121002	0.23049817	2.6344567	20	3 25.9	20.2
225208 2008 NM_1	16.0	X	103.95918	119.40890	200.88981	8.17774	0.0829368	0.19281491	2.9673969	20	—	—
225209 2008 OT_{20}	13.5	X	304.35470	75.63276	326.24547	6.18195	0.0412632	0.08515141	5.1169145	20	9 12.9	20.2
225210 2008 QB_{31}	12.4	X	300.57467	137.72015	275.58654	7.91895	0.0375101	0.08273084	5.2162422	20	9 18.9	19.3
225211 2008 QG_{42}	13.6	X	178.02771	125.40813	49.23183	4.22807	0.0531342	0.08127109	5.2785180	20	9 25.8	20.8
225212 2008 RF_{25}	12.7	X	348.40797	106.64942	262.55593	6.26100	0.1026685	0.08456324	5.1406138	20	9 27.8	19.2
225213 2008 RJ_{27}	12.7	X	120.71201	310.17157	289.70810	7.42700	0.0127996	0.08391948	5.1668698	20	10 1.9	19.7
225214 2008 RM_{58}	13.4	X	319.90073	187.60754	225.80664	6.54123	0.1069618	0.08247903	5.2268537	20	10 9.4	19.8
225215 2008 RB_{65}	13.1	X	264.79351	55.21181	26.44184	5.38757	0.0291910	0.08070719	5.3030767	20	9 15.9	20.1
225216 2008 RV_{76}	12.9	X	346.07964	318.67667	53.00437	2.07902	0.1195277	0.08347935	5.1850150	20	9 30.6	19.1
225217 2008 RA_{83}	13.1	X	265.38991	233.61351	204.80942	5.05380	0.0925752	0.08210884	5.2425523	20	9 1.9	20.0
225218 2008 RD_{95}	13.8	X	223.17545	268.29785	220.24915	2.42779	0.0430597	0.08543652	5.1055242	20	9 19.5	20.7
225219 2008 RO_{126}	13.4	X	311.48321	179.01426	230.56251	5.76078	0.1093956	0.08164768	5.2622743	20	9 22.7	20.0
225220 2008 RX_{128}	13.4	X	215.54043	279.39737	211.66297	6.51706	0.0602962	0.08178733	5.2562825	20	9 11.4	20.6
225221 2008 SN_{22}	13.8	X	7.12867	90.78420	258.65712	1.63643	0.1040067	0.08713978	5.0387764	20	10 4.2	20.1
225222 2008 SP_{32}	13.2	X	347.66064	104.61532	282.05209	6.17142	0.0784116	0.08379068	5.1721635	20	10 16.7	19.8
225223 2008 SV_{36}	13.9	X	289.95497	236.21651	195.11939	1.37547	0.1526320	0.08323196	5.1952842	20	9 16.2	20.6
225224 2008 SH_{41}	12.6	X	258.61937	48.99858	44.83138	6.55788	0.0664002	0.08172989	5.2587447	20	9 19.1	19.6
225225 Ninagrunewald	15.1	X	308.72954	124.86626	289.16300	14.77583	0.0480719	0.17223558	3.1992939	20	10 9.6	19.7
225226 2008 SH_{213}	13.8	X	263.38523	279.56188	182.17834	3.79334	0.0674731	0.08238504	5.2308285	20	9 30.6	20.6
225227 2008 TO_{65}	12.8	X	314.81239	189.65249	231.49397	6.49412	0.0798230	0.08263553	5.2202525	20	10 13.6	19.4
225228 2008 TE_{92}	12.8	X	299.22246	228.78042	192.76635	5.49690	0.0716751	0.08014675	5.3277698	20	9 26.0	19.6
225229 2008 TB_{149}	13.5	X	232.63176	89.88482	57.18206	5.33093	0.0159193	0.08517018	5.1161627	20	10 24.8	20.3
225230 2008 UX_4	12.9	X	343.30532	138.30120	253.27032	8.72126	0.1556663	0.08200155	5.2471240	20	10 14.8	19.1
225231 2009 HE_{12}	17.3	X	140.70039	114.45213	113.81590	6.45879	0.0439697	0.30280553	2.1963094	20	11 24.9	20.1
225232 Kircheva	17.1	X	269.29360	125.32050	116.90271	5.00024	0.2492663	0.24017921	2.5631800	20	—	—
225233 2009 OJ_3	16.0	X	87.60245	173.58243	123.88655	14.66306	0.1651886	0.20241811	2.8727851	20	12 11.4	20.7
225234 2009 PB_1	16.9	X	111.08386	317.59246	346.82579	6.72594	0.2155885	0.29793058	2.2202029	20	—	—
225235 2009 PJ_{12}	17.4	X	126.22234	177.89741	120.93003	2.95588	0.1777044	0.29974084	2.2112547	20	—	—
225236 2009 PP_{14}	15.9	X	191.61295	184.23366	160.04456	17.71742	0.2232767	0.23192813	2.6236170	20	2 26.9	20.4
225237 2009 PV_{15}	16.5	X	183.28258	170.93987	174.52783	6.49808	0.2826975	0.22930476	2.6435894	20	2 22.9	21.2
225238 Hristobotev	17.4	X	1.27975	140.96684	135.06164	0.99437	0.2037408	0.26593937	2.3948646	20	7 21.5	18.8
225239 Ruthproell	16.3	X	66.66019	221.01459	177.07298	5.98369	0.0402835	0.21323042	2.7748315	20	—	—
225240 2009 QY_8	15.3	X	0.88734	258.63950	112.17928	11.97302	0.1564998	0.18470069	3.0536813	20	11 20.3	19.1
225241 2009 QO_{13}	16.5	X	130.74820	128.40540	206.75688	4.09302	0.0759724	0.21296698	2.7771193	20	—	—
225242 2009 QL_{14}	16.3	X	29.17800	116.97620	204.63053	2.14391	0.2293341	0.18598035	3.0396577	20	11 8.9	20.0
225243 2009 QU_{22}	15.1	X	216.88744	121.25543	341.48190	8.69710	0.0433229	0.17489546	3.1667737	20	8 24.5	19.7
225244 2009 QE_{27}	17.0	X	301.40956	272.91060	110.44558	2.93617	0.1908271	0.26610555	2.3938674	20	8 26.3	19.1
225245 2009 QC_{28}	16.5	X	257.15971	127.69949	174.66231	12.18168	0.1813162	0.23971141	2.5665137	20	3 2.7	20.4
225246 2009 QX_{28}	16.6	X	204.52384	135.06238	172.21091	13.42095	0.2698485	0.23217696	2.6217421	20	1 23.4	21.5
225247 2009 QY_{32}	16.5	X	295.43582	165.95162	161.61106	6.53825	0.1447487	0.25564354	2.4587413	20	5 28.5	19.5
225248 2009 QJ_{33}	14.8	X	312.53528	289.72162	91.53272	12.81806	0.0930469	0.17519602	3.1631507	20	9 14.4	19.1
225249 2009 QT_{33}	17.8	X	339.19777	177.23590	148.46364	1.28080	0.1386640	0.26778192	2.3838662	20	8 19.5	19.5
225250 Georgfranziska	17.2	X	2.62816	226.11050	144.80214	4.97920	0.2426778	0.27702434	2.3305447	20	12 31.9	19.7
225251 2009 QF_{44}	16.1	X	26.67586	158.53135	181.11310	11.57059	0.1996113	0.18820024	3.0157078	20	11 25.6	20.1
225252 2009 QQ_{47}	17.6	X	81.58278	291.02914	26.27011	6.26899	0.2532510	0.29138827	2.2533121	20	—	—
225253 2009 RP_1	15.2	X	274.29433	208.81857	196.60450	28.41350	0.1964691	0.17094864	3.2153305	20	7 25.1	20.3
225254 Flury	16.1	X	195.10623	238.60873	205.13456	11.89899	0.1391944	0.25204221	2.4821072	20	7 2.0	20.1
225255 2009 RA_3	17.1	X	352.71165	206.96359	137.26249	3.08714	0.2350374	0.27199524	2.3591842	20	11 2.3	18.8
225256 2009 RO_3	17.2	X	79.44124	32.16070	357.01510	5.60775	0.1699691	0.30152887	2.2025044	20	—	—
225257 2009 RJ_5	15.2	X	312.59711	158.78626	218.12993	7.69587	0.0747904	0.17495183	3.1660934	20	8 31.8	19.4
225258 2009 RL_{16}	16.4	X	67.04987	293.45649	98.94775	1.49860	0.0722378	0.20547648	2.8442077	20	—	—
225259 2009 RH_{17}	16.1	X	328.40186	330.44770	63.15680	1.30295	0.1655717	0.18037474	3.1023127	20	10 18.2	19.3
225260 2009 RK_{17}	15.7	X	188.52269	310.69398	185.54713	12.01427	0.0620999	0.17017994	3.2250056	20	8 28.8	20.7
225261 2009 RC_{24}	16.0	X	350.26841	42.08583	44.81488	2.19757	0.0114131	0.20176239	2.8790060	20	—	—
225262 2009 RX_{26}	16.8	X	62.43027	119.01101	171.53057	2.65687	0.2242223	0.27868311	2.3212876	20	11 26.5	20.3
225263 2009 RQ_{30}	16.2	X	57.31887	100.24046	327.23417	3.68379	0.0513225	0.21199873	2.7855687	20	—	—
225264 2009 RT_{34}	15.7	X	317.18484	198.98564	204.26677	9.04637	0.0442910	0.17821293	3.1273507	20	10 16.6	19.9
225265 2009 RD_{47}	16.5	X	35.34595	293.89377	359.87774	6.20535	0.1164743	0.26895079	2.3769543	20	10 9.9	19.2
225266 2009 RN_{47}	17.0	X	54.04705	77.42936	217.52625	1.52160	0.1875068	0.27601153	2.3362424	20	11 18.3	20.0
225267 2009 RS_{47}	16.3	X	203.02368	139.45173	210.01298	1.94265	0.1564926	0.23232410	2.6206350	20	3 12.8	20.4
225268 2009 RT_{47}	16.0	X	152.02668	352.47101	9.92422	8.75351	0.0252132	0.22052175	2.7133246	20	2 2.9	19.8
225269 2009 SO_{15}	17.0	X	281.31060	209.35948	213.09320	5.16295	0.1950387	0.26770187	2.3843414	20	9 13.3	19.4
225270 2009 SF_{30}	17.6	X	94.46506	282.85726	32.80958	2.64568	0.2051078	0.29149144	2.2527803	20	—	—
225271 2009 SO_{61}	16.5	X	80.54903	175.25461	268.31222	4.04346	0.0925625	0.21943357	2.7222876	20	2 19.5	20.1
225272 2009 SE_{76}	16.3	X	237.44918	235.36437	67.14375	6.80460	0.0722069	0.22691923	2.6620846	20	2 26.0	20.2
225273 2128 P–L	17.1	X	321.85614	60.09774	297.28821	1.57799	0.2187686	0.26212667	2.4180312	20	8 25.7	18.7
225274 6781 P–L	15.6	X	331.27390	29.59408	25.05664	5.62975	0.1652498	0.18206607	3.0830699	20	11 19.9	18.9
225275 6890 P–L	16.6	X	158.11266	189.40221	178.48690	17.72878	0.1959464	0.22232692	2.6986176	20	2 25.5	21.1
225276 Leïtos	13.4	X	303.50905	71.33418	341.56286	6.10868	0.1566987	0.08308433	5.2014367	20	9 12.1	19.8
225277 Stino	15.9	X	144.93278	335.64626	358.54068	5.67322	0.0676984	0.20369434	2.8607731	20	—	—
225278 1981 DW_1	16.2	X	20.58156	313.18903	266.10448	6.12329	0.1784645	0.22930859	2.6435600	20	5 29.4	18.7
225279 1991 VY_{10}	16.2	X	216.91645	106.20785	206.93065	8.34516	0.1991718	0.22115626	2.7081324	20	2 8.7	21.0
225280 1993 FL_{17}	17.2	X	122.41448	169.30339	60.64246	5.70879	0.1863010	0.26918249	2.3755902	20	11 1.9	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225281 1993 FL_{35}	16.9	X	275.20928	83.93504	41.54415	3.12629	0.1295716	0.27647978	2.3336039	20	12 20.3	19.0
225282 1993 RS_{7}	16.2	X	16.62517	161.74322	190.92113	1.48405	0.2708504	0.18491757	3.0512931	20	12 5.6	19.9
225283 1994 GB_{5}	15.7	X	82.66723	108.03920	17.88682	8.47949	0.0368556	0.22761414	2.6566635	20	4 10.7	19.3
225284 1994 JK_{6}	16.3	X	138.51748	233.66117	220.36913	12.40299	0.1314765	0.22871610	2.6481234	20	5 20.8	20.4
225285 1994 JT_{6}	16.6	X	341.07065	142.29964	59.05508	6.93851	0.1134315	0.22268375	2.6957340	20	2 23.4	19.9
225286 1994 PD_{5}	17.0	X	330.86811	135.25022	189.35642	2.38550	0.2347715	0.26405759	2.4062289	20	7 21.1	18.4
225287 1994 RJ_{8}	17.8	X	316.38718	51.86395	328.79744	2.48042	0.2080026	0.26527282	2.3988746	20	9 22.4	19.4
225288 1994 RT_{17}	16.5	X	133.01975	143.67781	175.13399	5.49355	0.1671560	0.20375092	2.8602434	20	—	—
225289 1994 SK_{10}	16.9	X	26.33620	328.09783	14.21226	1.55157	0.1967007	0.26992552	2.3712286	20	12 16.9	19.9
225290 1994 WK_{4}	16.7	X	260.46571	18.87716	98.19860	8.53883	0.2122258	0.26442032	2.4040279	20	10 30.6	19.4
225291 1995 DV_{6}	16.8	X	64.18904	197.88990	2.17223	4.59779	0.0297921	0.24445587	2.5331976	20	6 25.2	20.0
225292 1995 DS_{7}	16.3	X	264.02980	127.23426	16.29361	3.74497	0.1108418	0.18303957	3.0721286	20	11 30.8	20.4
225293 1995 FF_{7}	16.7	X	287.42954	231.15519	27.64717	12.47336	0.1752786	0.23287708	2.6164848	20	2 17.2	20.7
225294 1995 QA_{6}	13.2	X	35.56427	77.92807	259.18365	6.63899	0.0525431	0.08430070	5.1512814	20	10 20.8	19.9
225295 1995 SH_{13}	16.7	X	136.64653	26.20354	352.40955	2.92226	0.2065595	0.21662484	2.7457682	20	2 22.7	20.8
225296 1995 SQ_{67}	13.5	X	309.71803	243.29664	176.79823	9.60866	0.0529060	0.08034666	5.3189288	20	10 10.6	20.2
225297 1995 UB_{2}	16.7	X	249.42420	298.01145	203.94483	22.94940	0.2296827	0.27855197	2.3220161	20	11 15.3	19.5
225298 1995 UM_{16}	16.3	X	109.14697	228.78363	179.30747	4.36093	0.0699228	0.21290153	2.7776884	20	2 10.5	20.2
225299 1995 UV_{17}	16.6	X	144.29725	21.08458	346.16934	4.61664	0.1452186	0.21584990	2.7523362	20	2 11.1	20.6
225300 1995 UX_{76}	17.4	X	275.23771	242.03581	209.08048	3.49757	0.0690455	0.27863135	2.3215750	20	11 8.4	19.7
225301 1995 VG_{9}	16.3	X	158.20966	293.96561	64.31911	3.51114	0.0868221	0.21294773	2.7772867	20	2 10.1	20.5
225302 1995 VU_{9}	16.8	X	41.36374	69.48869	31.44048	8.10297	0.1966248	0.21095610	2.7947395	20	1 26.1	19.6
225303 1995 VZ_{13}	16.9	X	10.88045	44.79144	74.21525	6.27481	0.1300212	0.28938083	2.2637209	20	—	—
225304 1995 WH_{8}	16.8	X	13.79567	350.60490	62.67616	7.00227	0.0878258	0.28254592	2.3000822	20	—	—
225305 1995 XX_{3}	17.3	X	40.43601	260.47341	128.13172	3.28264	0.2127851	0.28353968	2.2947048	20	—	—
225306 1996 EZ_{9}	15.9	X	109.07867	250.85935	127.80102	3.01143	0.0518712	0.19995284	2.8963497	20	1 5.4	19.8
225307 1996 GV_{6}	15.5	X	69.83772	265.54056	37.13013	9.89840	0.0811838	0.18126193	3.0921815	20	11 12.9	20.0
225308 1996 HH	17.1	X	171.07965	90.30784	75.43175	2.94222	0.1530775	0.26194483	2.4191502	20	9 26.4	20.9
225309 1996 HV_{14}	15.0	X	88.00694	265.18692	37.90866	18.01402	0.0938211	0.18150108	3.0894647	20	12 2.5	19.8
225310 1996 TG_{67}	16.6	X	88.72840	66.26151	34.70564	8.87254	0.1495243	0.22482763	2.6785696	20	4 5.5	20.0
225311 1996 VP_{17}	16.3	X	11.35423	145.15634	51.93586	11.58489	0.1061291	0.22715783	2.6602201	20	4 9.7	19.4
225312 1996 XB_{27}	21.7	X	235.84252	58.12400	179.40697	2.46455	0.0578908	0.76030236	1.1888995	20	—	—
225313 1997 CD_{13}	17.7	X	46.43337	292.93258	128.17614	3.55301	0.1464039	0.29511111	2.2343216	20	—	—
225314 1997 EZ_{30}	17.7	X	241.22721	180.37442	351.34689	2.04515	0.1691788	0.28276350	2.2989021	20	12 25.0	20.2
225315 1997 LS_{1}	16.7	X	195.96667	70.80502	115.55162	9.69347	0.0639705	0.27447143	2.3449736	20	11 29.7	19.8
225316 1997 LQ_{16}	16.4	X	158.32794	38.86969	220.46252	7.98850	0.1959955	0.19139652	2.9820393	20	12 22.9	21.5
225317 1997 SK_{18}	17.1	X	320.73165	4.34498	338.35169	1.81090	0.2286280	0.25521090	2.4615192	20	7 26.2	18.9
225318 1997 SU_{32}	13.3	X	228.19506	95.12227	29.21423	20.89492	0.0844055	0.08077279	5.3002050	20	9 24.1	20.6
225319 1997 TV_{19}	14.0	X	335.91841	104.65763	288.43996	1.43499	0.0896331	0.08368607	5.1764727	20	10 10.0	20.4
225320 1997 WC_{11}	15.2	X	118.95849	341.14388	41.98928	9.59247	0.0960238	0.18765266	3.0215717	20	2 3.2	19.7
225321 1997 XP_{7}	15.8	X	309.43225	303.18560	62.02368	15.12606	0.2139326	0.25247533	2.4792677	20	8 14.7	18.4
225322 1998 BQ_{19}	15.9	X	178.32529	304.63961	118.81975	16.86409	0.0963908	0.23680171	2.5874948	20	5 25.9	20.1
225323 1998 FY_{9}	16.1	X	314.33513	19.53460	198.50861	9.66289	0.1601375	0.21953052	2.7214861	20	1 24.9	19.9
225324 1998 FO_{105}	16.3	X	99.46169	231.20341	304.95253	3.97880	0.2118775	0.23334806	2.6129629	20	8 1.9	20.2
225325 1998 HP_{73}	16.6	X	100.49455	89.25708	78.05914	5.45572	0.1819678	0.23135804	2.6279251	20	7 19.9	20.6
225326 1998 HD_{154}	16.0	X	259.57053	24.16669	230.18933	7.24285	0.2242108	0.21332147	2.7740418	20	1 7.2	20.7
225327 1998 KN_{58}	15.4	X	26.28296	144.94780	61.66197	17.45183	0.1927549	0.22476559	2.6790624	20	5 23.8	17.8
225328 1998 MJ_{6}	17.4	X	25.25239	71.32135	297.93611	5.27339	0.1645760	0.27968463	2.3157428	20	—	—
225329 1998 QK_{40}	16.5	X	90.64501	71.47399	291.64991	5.35029	0.2022863	0.28502838	2.2867077	20	—	—
225330 1998 QZ_{58}	16.8	X	16.03429	7.20345	343.36518	4.98701	0.2515364	0.27437584	2.3455182	20	12 24.3	19.7
225331 1998 QK_{88}	17.2	X	87.94206	42.36783	265.39976	5.27958	0.2245127	0.28030436	2.3123282	20	—	—
225332 1998 QA_{95}	16.8	X	112.69309	62.34016	242.21636	4.75221	0.1799624	0.28322066	2.2964276	20	—	—
225333 1998 QB_{105}	16.1	X	35.63850	232.60964	84.87745	23.28974	0.3682715	0.27527555	2.3404046	20	12 18.9	19.5
225334 1998 RX_{45}	17.0	X	58.16468	146.87499	188.93860	6.42455	0.1341790	0.27799305	2.3251274	20	—	—
225335 1998 RB_{46}	17.0	X	36.81722	155.48129	201.63942	5.09119	0.1493216	0.27735018	2.3287190	20	—	—
225336 1998 RB_{51}	15.6	X	354.86295	60.48254	337.93871	9.76086	0.1252071	0.18498519	3.0505495	20	12 7.9	19.5
225337 1998 RZ_{69}	16.5	X	4.61540	14.19798	19.16028	6.23732	0.1360909	0.27639071	2.3341052	20	—	—
225338 1998 SA_{6}	16.0	X	30.17955	243.57554	165.56583	2.44418	0.1505865	0.19203220	2.9754547	20	—	—
225339 1998 SB_{12}	15.5	X	358.04564	216.14488	196.44443	3.29328	0.2373404	0.18437778	3.0572455	20	—	—
225340 1998 SQ_{29}	17.3	X	62.43413	259.82932	37.15526	4.86937	0.2297649	0.27442018	2.3452655	20	12 3.2	20.8
225341 1998 SJ_{42}	17.8	X	42.51680	12.25374	337.78802	2.42040	0.2333232	0.27822485	2.3238358	20	—	—
225342 1998 SN_{78}	16.4	X	106.83882	90.88607	219.59091	5.98542	0.1337506	0.28124142	2.3071891	20	—	—
225343 1998 SY_{86}	15.3	X	54.15980	351.15690	348.01225	10.31078	0.1269549	0.18563796	3.0433941	20	12 16.1	19.9
225344 1998 SK_{87}	17.0	X	336.21145	166.03323	221.55359	5.80816	0.1977546	0.27147924	2.3621726	20	11 27.5	18.7
225345 1998 SD_{107}	17.3	X	9.17984	112.99818	225.17342	1.53213	0.2456134	0.27174767	2.3606168	20	11 25.3	19.7
225346 1998 SQ_{149}	14.9	X	327.33030	203.56482	195.48292	13.06994	0.0701884	0.18213197	3.0823262	20	10 26.9	18.9
225347 1998 SG_{161}	17.0	X	67.55519	59.94276	330.41957	2.91776	0.2420751	0.28248145	2.3004322	20	—	—
225348 1998 SY_{176}	15.2	X	328.03477	274.87329	127.57393	6.80511	0.1774618	0.17986636	3.1081556	20	10 31.7	18.6
225349 1998 TS_{8}	17.7	X	359.39476	293.69034	36.44677	5.55714	0.1268210	0.26726077	2.3869642	20	10 7.6	20.1
225350 1998 TO_{9}	16.0	X	38.47259	124.93118	205.15067	2.12535	0.0997619	0.18053550	3.1004708	20	11 11.8	20.1
225351 1998 TA_{20}	15.4	X	67.32735	307.35988	25.46633	9.62028	0.0821744	0.18448519	3.0560589	20	12 17.1	19.9
225352 1998 US_{2}	15.3	X	4.54482	17.14372	27.72917	13.17214	0.1644991	0.18437963	3.0572251	20	—	—
225353 1998 UF_{11}	15.5	X	349.49782	19.86942	69.46151	3.81935	0.3748630	0.18534840	3.0465629	20	—	—
225354 1998 UF_{49}	16.3	X	23.45864	329.46950	38.65618	10.89546	0.2363414	0.27428701	2.3460246	20	—	—
225355 1998 UJ_{49}	15.7	X	7.55640	352.83026	68.77819	2.59392	0.2962320	0.18573583	3.0423249	20	—	—
225356 1998 VX_{40}	16.8	X	36.11507	103.84322	229.67033	4.86751	0.2152559	0.27217921	2.3581210	20	12 20.4	19.9
225357 1998 VD_{41}	17.2	X	358.81488	136.69425	229.31783	6.33801	0.2471648	0.27072111	2.3665806	20	12 17.6	19.5
225358 1998 VV_{42}	16.9	X	348.22236	344.84115	47.51779	5.79678	0.1491417	0.27192584	2.3595855	20	12 21.2	19.2
225359 1998 WJ_{24}	13.5	X	263.72970	70.14531	22.98415	7.42777	0.0811559	0.08511531	5.1183612	20	9 21.6	20.3
225360 1998 WF_{30}	17.5	X	316.43185	27.06931	36.43354	1.78091	0.1712879	0.27046439	2.3680779	20	12 6.2	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225361 1998 XD_2	17.2	X	268.69411	192.27520	208.42545	3.13403	0.1868018	0.26138297	2.4226157	20	7 24.0	20.2
225362 1998 XU_{22}	16.7	X	305.79529	210.17280	248.16586	2.59846	0.0843351	0.27229983	2.3574246	20	—	—
225363 1998 XV_{24}	15.3	X	100.29483	33.26705	219.96612	8.65615	0.0533412	0.17523787	3.1626472	20	10 14.7	20.0
225364 1999 BO_{30}	16.4	X	11.52108	186.06043	109.90074	4.64905	0.0839101	0.25444401	2.4664627	20	8 31.6	19.1
225365 1999 CM_{79}	15.7	X	218.10217	267.02780	281.00255	2.56623	0.2696598	0.16948312	3.2338392	20	11 11.6	21.0
225366 1999 CC_{97}	15.2	X	322.76667	310.47631	144.50622	11.55420	0.3010203	0.17725102	3.1386548	20	12 26.7	18.0
225367 1999 CQ_{132}	17.3	X	187.38796	24.28798	128.59885	2.03087	0.1375777	0.25684565	2.4510636	20	9 25.7	21.0
225368 1999 CD_{136}	17.2	X	307.67989	145.18390	272.43241	1.00035	0.1505161	0.26382541	2.4076404	20	11 5.2	19.3
225369 1999 FE_3	15.5	X	258.92097	197.69228	16.83791	11.78434	0.1395222	0.17427620	3.1742710	20	—	—
225370 1999 FF_{17}	17.2	X	90.39420	348.66359	193.65089	4.44055	0.0844061	0.24273193	2.5451777	20	7 14.3	20.6
225371 1999 HM_4	16.6	X	179.87361	279.85133	39.94043	8.96296	0.2913480	0.21881861	2.7273857	20	1 26.8	21.6
225372 1999 JC_{53}	15.6	X	270.05527	70.26409	216.05576	10.89226	0.1804205	0.22712883	2.6604466	20	2 22.9	19.8
225373 1999 LJ_{15}	16.4	X	248.57891	64.99780	110.27624	22.68546	0.2467592	0.26140703	2.4224670	20	12 23.4	19.2
225374 1999 RX_{10}	16.8	X	141.19450	62.25203	300.63928	1.17731	0.2113604	0.30620601	2.1800188	20	1 28.7	19.7
225375 1999 RM_{106}	15.7	X	135.78202	117.78451	203.13170	14.26244	0.1562467	0.20464623	2.8518951	20	—	—
225376 1999 RR_{164}	16.8	X	156.89004	24.69277	313.25823	4.44699	0.1266915	0.30503734	2.1855834	20	1 3.8	19.5
225377 1999 RW_{216}	16.1	X	32.20114	311.19688	172.42861	4.08251	0.0529461	0.21151235	2.7898374	20	1 31.0	19.7
225378 1999 SJ_{13}	16.9	X	151.90282	75.85213	273.07574	5.09151	0.1620576	0.30474326	2.1869892	20	1 15.9	19.7
225379 1999 TC_{62}	16.0	X	152.04616	283.99020	35.05332	5.25760	0.1044614	0.20246515	2.8723401	20	—	—
225380 1999 TP_{64}	16.4	X	88.59803	189.09595	201.04453	2.05356	0.0632693	0.20647240	2.8350543	20	—	—
225381 1999 TL_{90}	17.5	X	148.60884	296.65407	36.45404	2.57552	0.2273676	0.30303889	2.1951817	20	—	—
225382 1999 TK_{110}	15.9	X	59.93641	222.26144	194.94129	14.66639	0.2929209	0.20296946	2.8675803	20	1 12.3	19.0
225383 1999 TW_{161}	15.9	X	114.55095	283.33768	98.36978	3.21843	0.1016547	0.20612360	2.8382517	20	1 22.2	19.7
225384 1999 TO_{163}	17.8	X	137.38366	275.29198	49.53509	5.78448	0.1966934	0.29936146	2.2131225	20	—	—
225385 1999 TO_{178}	15.8	X	109.44612	171.42315	274.73303	3.32427	0.0792667	0.21291075	2.7776082	20	3 30.5	19.8
225386 1999 TA_{195}	17.4	X	39.78007	32.90032	25.52496	8.22224	0.1675473	0.29423316	2.2387640	20	—	—
225387 1999 UJ_{18}	15.7	X	225.02927	168.38435	75.98682	3.16619	0.0114264	0.20338774	2.8636473	20	—	—
225388 1999 UN_{18}	16.5	X	171.44938	315.32655	56.96643	3.79062	0.1554560	0.30887189	2.1674568	20	3 8.5	19.6
225389 1999 UK_{21}	17.4	X	111.82215	188.69986	218.39627	2.37422	0.1108766	0.30367240	2.1921276	20	2 5.4	19.8
225390 1999 UW_{28}	16.4	X	60.82584	62.49160	39.25069	4.69047	0.0681422	0.20961998	2.8066027	20	2 17.3	20.0
225391 1999 UK_{29}	16.5	X	229.47282	248.18869	47.94293	5.58931	0.1277494	0.21243233	2.7817770	20	2 7.4	20.9
225392 1999 UJ_{33}	16.5	X	57.72407	210.14117	214.11426	1.29525	0.0550746	0.20295417	2.8677243	20	—	—
225393 1999 UU_{36}	16.0	X	215.45671	78.39723	188.32067	10.31038	0.2220873	0.21059333	2.7979480	20	—	—
225394 1999 UP_{37}	16.4	X	62.99795	350.22431	46.83134	2.71714	0.1019548	0.20185780	2.8780987	20	—	—
225395 1999 UO_{48}	15.4	X	105.26253	322.85646	82.05984	8.79226	0.1545266	0.20476216	2.8508186	20	2 19.2	19.5
225396 1999 UY_{50}	17.8	X	155.68866	312.67968	59.51686	1.38320	0.1525286	0.30589830	2.1814805	20	2 19.8	20.8
225397 1999 VA_{49}	15.8	X	131.44594	116.79498	296.34331	4.05915	0.1528519	0.21029406	2.8006019	20	3 23.1	20.0
225398 1999 VQ_{115}	17.2	X	79.45324	295.43672	59.55955	6.34457	0.2027035	0.29314728	2.2442891	20	—	—
225399 1999 VE_{121}	16.2	X	350.80442	64.96721	29.82349	7.42393	0.1846601	0.19651944	2.9299871	20	—	—
225400 1999 VB_{124}	16.2	X	46.56550	95.01482	222.34175	9.19169	0.0389212	0.18543673	3.0455954	20	10 29.3	20.3
225401 1999 VL_{124}	16.2	X	113.28825	57.83766	230.45850	3.55456	0.1131825	0.19415006	2.9537770	20	12 17.7	20.7
225402 1999 VZ_{126}	16.3	X	28.49334	36.97074	37.17514	6.40338	0.0443925	0.20174768	2.8791459	20	—	—
225403 1999 VH_{132}	16.2	X	99.01665	287.12833	97.83963	3.01067	0.0320504	0.20149686	2.8815348	20	—	—
225404 1999 VD_{170}	16.5	X	117.74384	74.57689	277.58342	3.80697	0.1614968	0.29632009	2.2282401	20	—	—
225405 1999 VV_{195}	16.8	X	42.68926	351.06304	81.70728	7.48168	0.1474094	0.29639637	2.2278578	20	—	—
225406 1999 VR_{211}	17.2	X	295.66146	307.13970	228.20620	5.24146	0.0883534	0.29556145	2.2320514	20	—	—
225407 1999 WD_{20}	16.2	X	277.95601	80.26226	88.82914	1.64276	0.0268165	0.19681100	2.9270927	20	—	—
225408 1999 XH_5	16.9	X	62.13345	339.57255	77.89174	6.58510	0.1364168	0.29624615	2.2286108	20	—	—
225409 1999 XL_{25}	14.6	X	67.65565	119.16614	233.83721	11.01764	0.2148584	0.19521682	2.9430066	20	—	—
225410 1999 XA_{76}	16.3	X	124.50192	158.72282	244.60373	4.42254	0.1561917	0.30167026	2.2018161	20	2 23.4	19.0
225411 1999 XD_{162}	17.0	X	3.86870	105.43681	39.08889	6.18162	0.1587838	0.29621668	2.2287587	20	—	—
225412 1999 XR_{227}	17.4	X	215.44836	311.94753	241.75755	0.43960	0.0829864	0.28034292	2.3121162	20	12 31.2	20.1
225413 1999 XC_{238}	17.2	X	101.17914	243.28973	92.02232	3.01333	0.1472789	0.29094096	2.2556211	20	—	—
225414 1999 XV_{244}	17.2	X	312.05105	89.89509	55.48342	5.06249	0.0732480	0.29187193	2.2508220	20	—	—
225415 1999 XA_{261}	17.2	X	290.96668	51.86111	87.90244	2.35236	0.1444732	0.28605785	2.2812181	20	—	—
225416 1999 YC	17.2	X	348.28001	156.40461	64.79003	38.22487	0.8304706	0.58132222	1.4218641	20	10 30.3	20.1
225417 1999 YJ_{10}	17.0	X	329.81753	268.52521	227.27307	5.09117	0.1018219	0.29241008	2.2480596	20	—	—
225418 2000 AY_{54}	16.5	X	108.95228	96.92160	299.35491	4.42718	0.2014519	0.29699557	2.2248602	20	2 2.6	18.8
225419 2000 AW_{70}	14.9	X	32.96448	280.69364	101.14934	14.52635	0.1774641	0.19146372	2.9813415	20	—	—
225420 2000 AU_{82}	14.7	X	303.52933	314.83807	112.41867	21.97764	0.1249474	0.18220662	3.0814843	20	11 1.7	19.0
225421 2000 AR_{159}	17.0	X	328.62015	158.54201	327.78984	6.40656	0.1729923	0.28694266	2.2765261	20	—	—
225422 2000 AB_{178}	14.9	X	351.18447	209.88374	247.32122	10.35344	0.0861377	0.19138903	2.9821170	20	—	—
225423 2000 AO_{206}	16.6	X	275.20216	315.45129	150.51883	0.18433	0.1831139	0.18318068	3.0705507	20	10 20.7	20.4
225424 2000 AB_{209}	14.9	X	279.71316	192.83461	305.04541	14.43815	0.0790098	0.18409315	3.0603960	20	12 21.1	19.0
225425 2000 AK_{216}	17.7	X	81.35483	127.09989	258.77261	5.74386	0.1835442	0.29579082	2.2308973	20	—	—
225426 2000 AF_{253}	16.3	X	123.83979	259.38147	121.45994	4.03189	0.1254581	0.19939232	2.9017752	20	2 5.1	20.4
225427 2000 BF_1	17.2	X	16.74142	147.09920	304.27930	3.87783	0.1435718	0.28889193	2.2662741	20	—	—
225428 2000 BX_{19}	16.4	X	255.83514	23.60679	147.80480	2.09618	0.1357537	0.18391886	3.0623292	20	12 21.4	20.5
225429 2000 BJ_{35}	14.9	X	251.62232	196.78626	334.09525	12.36085	0.2279087	0.18295156	3.0731137	20	11 29.8	19.4
225430 2000 CG	16.3	X	7.63290	9.28430	49.56209	0.75945	0.3275883	0.18980304	2.9987064	20	—	—
225431 2000 CR_9	16.6	X	294.78669	217.53418	278.88804	5.45483	0.1069816	0.28364102	2.2941582	20	—	—
225432 2000 CJ_{35}	15.1	X	237.65359	226.69907	303.02590	12.44991	0.0591918	0.18194681	3.0844170	20	12 6.7	19.7
225433 2000 CX_{43}	15.2	X	278.65252	320.11459	153.34494	7.93335	0.1349082	0.18070128	3.0985741	20	11 12.9	19.3
225434 2000 CD_{59}	17.3	X	268.42488	213.22538	324.34845	3.23218	0.2027513	0.28190746	2.3035537	20	—	—
225435 2000 CL_{69}	16.2	X	10.36409	264.16009	136.40926	4.72730	0.1787524	0.18550707	3.0448255	20	—	—
225436 2000 CK_{79}	16.2	X	319.22396	291.79677	163.68717	0.94013	0.1446834	0.18397973	3.0616537	20	12 23.3	19.7
225437 2000 CK_{84}	15.4	X	211.96941	31.34382	136.16558	3.13566	0.1769479	0.17617683	3.1514000	20	10 24.5	20.4
225438 2000 CC_{110}	16.2	X	287.43571	306.75223	155.84516	0.73463	0.1365043	0.18078084	3.0976650	20	11 9.8	19.9
225439 2000 CZ_{136}	15.4	X	329.39187	302.53146	121.32822	7.67362	0.0343228	0.18284818	3.0742720	20	11 30.3	19.6
225440 2000 DU_5	16.5	X	328.14416	67.04980	64.97376	24.55386	0.2288937	0.28584677	2.2823410	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225441 2000 DJ_{6}	16.8	X	57.77800	337.02801	108.77650	6.74704	0.0545494	0.29251305	2.2475320	20	1 2.8	18.9
225442 2000 DF_{16}	16.6	X	243.95145	136.70746	35.64967	7.34267	0.1312117	0.27604011	2.3360811	20	—	—
225443 2000 DO_{26}	16.1	X	261.23865	198.37153	326.79784	1.22356	0.2277492	0.18253819	3.0777516	20	12 7.1	20.0
225444 2000 DN_{35}	15.1	X	279.64957	298.14590	156.41453	10.23080	0.0671872	0.17694470	3.1422761	20	10 30.6	19.4
225445 2000 DO_{36}	17.3	X	241.62940	193.03990	349.04246	2.14607	0.1623032	0.27851631	2.3222143	20	—	—
225446 2000 DA_{61}	16.0	X	219.34797	140.24350	39.54517	1.68707	0.1384339	0.17753479	3.1353094	20	11 17.6	20.5
225447 2000 DX_{61}	17.5	X	290.27838	168.13572	337.58695	2.47507	0.1268159	0.28086853	2.3092307	20	—	—
225448 2000 DR_{67}	15.3	X	160.90673	245.22455	336.97037	3.83949	0.1189849	0.17411226	3.1762631	20	11 10.8	20.3
225449 2000 DN_{77}	15.1	X	186.90329	44.90508	117.71075	2.45116	0.1386178	0.17147693	3.2087232	20	9 27.6	20.3
225450 2000 DY_{86}	16.6	X	146.17774	167.86100	40.07280	5.58553	0.1748366	0.26826106	2.3810268	20	10 25.6	20.4
225451 2000 ER_{4}	16.1	X	257.25319	93.40109	26.02449	0.80274	0.1288506	0.17813385	3.1282761	20	10 20.5	20.3
225452 2000 EO_{10}	17.2	X	279.62598	303.55127	160.53474	3.37184	0.1454202	0.27464044	2.3440114	20	11 25.2	19.4
225453 2000 ED_{13}	15.3	X	272.90468	47.84031	75.82661	10.54001	0.2249074	0.18062369	3.0994615	20	11 4.8	19.4
225454 2000 EY_{14}	16.1	X	309.13919	75.96974	65.33711	21.99783	0.2950984	0.28374557	2.2935946	20	—	—
225455 2000 EQ_{15}	17.1	X	81.10541	58.81650	183.21902	1.34808	0.1757375	0.26215279	2.4178706	20	10 6.5	20.6
225456 2000 EK_{23}	16.0	X	340.86180	241.49566	157.30979	1.71601	0.2104256	0.18077300	3.0977546	20	11 20.4	19.0
225457 2000 EG_{27}	15.5	X	315.06286	109.35808	323.49135	4.78390	0.2184048	0.18022138	3.1040724	20	11 8.7	18.7
225458 2000 EW_{35}	15.6	X	297.39608	299.44926	176.41304	3.66914	0.0399606	0.18004641	3.1060831	20	12 19.4	19.7
225459 2000 ER_{44}	16.2	X	188.91253	180.83777	350.33750	6.85156	0.1819181	0.26871850	2.3783239	20	10 15.8	20.0
225460 2000 EG_{53}	15.9	X	248.13039	237.58223	285.13213	1.54448	0.0767339	0.18282958	3.0744805	20	12 9.1	20.0
225461 2000 EL_{53}	17.2	X	303.53442	305.61777	187.55178	2.40155	0.1272784	0.27992906	2.3143945	20	—	—
225462 2000 EV_{55}	15.1	X	305.60551	280.57323	155.28646	11.33271	0.1067510	0.17936420	3.1139541	20	11 9.8	19.1
225463 2000 EQ_{67}	17.1	X	165.99306	208.80346	350.02041	0.98466	0.1214635	0.26804991	2.3822771	20	11 2.9	20.6
225464 2000 EV_{75}	15.4	X	285.60124	354.35594	126.28749	10.33181	0.2410515	0.18246553	3.0785686	20	11 19.0	19.1
225465 2000 EU_{144}	17.1	X	187.24948	310.92414	244.67005	2.39883	0.1519549	0.27075593	2.3663777	20	11 18.9	20.4
225466 2000 EN_{168}	15.1	X	294.26407	105.42922	22.57816	16.18198	0.1462413	0.18251925	3.0779645	20	12 20.7	19.1
225467 2000 ET_{173}	14.4	X	265.16065	57.61421	81.08127	17.55294	0.1884329	0.17919919	3.1158654	20	11 18.7	18.6
225468 2000 ET_{177}	16.7	X	24.66040	2.90998	348.29399	2.33034	0.1810365	0.27217722	2.3581325	20	12 24.9	19.7
225469 2000 FT_{3}	15.2	X	317.87837	76.56241	83.73973	10.00548	0.1721848	0.18772658	3.0207784	20	—	—
225470 2000 FA_{21}	16.3	X	229.99561	118.75274	93.98893	7.01474	0.1375638	0.27827539	2.3235544	20	—	—
225471 2000 FG_{24}	16.0	X	237.80845	109.69917	64.68880	11.97313	0.1258353	0.27458918	2.3443032	20	12 27.5	18.7
225472 2000 FS_{36}	16.8	X	160.72329	165.20157	68.98497	2.17873	0.1443546	0.27045210	2.3681496	20	12 11.5	20.3
225473 2000 FK_{47}	16.5	X	122.16564	165.71861	63.24385	8.75762	0.1834508	0.26432405	2.4046116	20	10 31.7	20.3
225474 2000 FE_{59}	15.5	X	269.93306	62.98659	74.99252	9.51456	0.2562286	0.17973757	3.1096402	20	11 12.4	19.5
225475 2000 GQ_{48}	17.2	X	184.56699	177.75009	18.69923	1.60694	0.1311354	0.26916768	2.3756772	20	11 18.7	20.5
225476 2000 GD_{55}	16.7	X	179.54337	154.94554	22.71752	2.82593	0.1162143	0.26622266	2.3931653	20	10 21.2	20.1
225477 2000 GO_{61}	16.8	X	77.25394	67.03360	207.54950	3.51258	0.1326585	0.26301922	2.4125578	20	11 9.1	20.1
225478 2000 GV_{81}	16.4	X	246.06386	151.47230	0.05194	12.17239	0.1536720	0.27376243	2.3490206	20	11 30.7	19.3
225479 2000 GX_{89}	16.6	X	249.53404	85.85212	70.13000	6.01792	0.1633623	0.27445689	2.3450564	20	12 13.9	19.1
225480 2000 GS_{112}	16.7	X	279.13414	341.62261	151.54121	2.72150	0.1327893	0.27577287	2.3375901	20	—	—
225481 2000 GV_{120}	16.7	X	326.85765	199.87245	182.63246	4.49292	0.1145081	0.26570416	2.3962777	20	10 23.4	18.9
225482 2000 GS_{136}	15.3	X	227.00107	80.43722	62.18110	22.34385	0.2776175	0.26979708	2.3719811	20	10 19.9	19.1
225483 2000 GT_{145}	16.7	X	291.92723	39.10273	204.83884	6.53655	0.2009049	0.23865782	2.5740616	20	1 23.1	20.5
225484 2000 GY_{154}	17.0	X	78.29504	10.47457	211.95131	10.01571	0.1964690	0.25761671	2.4461703	20	9 6.1	20.7
225485 2000 GT_{160}	16.8	X	191.73720	65.37019	137.35883	2.99723	0.1347794	0.27092641	2.3653849	20	12 5.2	20.2
225486 2000 HQ_{2}	16.8	X	289.95375	330.02029	75.14319	4.33327	0.1396301	0.26250283	2.4157207	20	9 15.8	19.3
225487 2000 HV_{6}	16.9	X	192.95994	137.01219	45.66777	2.09871	0.1284859	0.26725332	2.3870086	20	11 10.3	20.2
225488 2000 HT_{15}	18.1	X	166.99677	353.02261	219.40326	24.54894	0.1077340	0.46415601	1.6520635	20	—	—
225489 2000 HD_{26}	17.2	X	116.65901	189.61268	43.08334	21.60710	0.0553460	0.36091086	1.9537519	20	11 9.9	19.2
225490 2000 HF_{31}	15.5	X	274.07702	119.26298	96.83340	14.89839	0.3272951	0.18454903	3.0553540	20	—	—
225491 2000 HV_{40}	16.3	X	218.26748	280.76946	240.23261	6.15970	0.1824672	0.27073600	2.3664939	20	11 3.9	19.6
225492 2000 HT_{49}	16.9	X	196.78575	154.27237	38.25445	3.39094	0.1313312	0.26887308	2.3774123	20	11 26.7	20.3
225493 2000 HP_{63}	17.0	X	107.12174	174.84770	55.38627	2.79281	0.1569181	0.26156644	2.4214827	20	10 16.7	20.7
225494 2000 HX_{81}	17.2	X	227.95250	175.01857	4.92944	1.61125	0.1241767	0.27230864	2.3573737	20	12 20.9	20.0
225495 2000 HT_{105}	16.5	X	167.02049	142.13186	72.22943	6.99301	0.0963036	0.26663999	2.3906676	20	11 25.7	20.0
225496 2000 KX_{2}	15.6	X	243.96360	82.31746	61.51877	22.67239	0.2735464	0.27126173	2.3634352	20	11 5.8	18.7
225497 2000 KC_{40}	16.0	X	354.67228	223.28560	86.12052	7.79523	0.1155529	0.25340402	2.4732065	20	8 26.2	18.6
225498 2000 KR_{73}	16.3	X	274.51029	89.79407	190.18789	11.75377	0.2835941	0.23829731	2.5766571	20	2 9.5	20.8
225499 2000 LU_{23}	17.1	X	298.59546	121.65023	82.80519	25.38312	0.1212472	0.38037347	1.8865250	20	—	—
225500 2000 LK_{32}	15.4	X	309.33061	72.02299	248.84119	11.39903	0.1773397	0.24343141	2.5402998	20	6 3.8	18.0
225501 2000 NB_{19}	16.4	X	262.08187	219.11208	98.18355	3.51898	0.1815557	0.23531093	2.5984118	20	3 29.3	20.3
225502 2000 OY_{33}	16.1	X	305.68097	24.57683	276.77018	7.31298	0.1848849	0.24004365	2.5641449	20	4 26.1	19.3
225503 2000 PY_{21}	16.2	X	254.09285	201.16095	115.78028	8.47233	0.1965468	0.23332022	2.6131708	20	3 21.4	20.4
225504 2000 QR_{15}	16.3	X	268.32851	22.43063	305.80038	1.81916	0.2399772	0.23686542	2.5870309	20	4 9.0	20.3
225505 2000 QT_{26}	16.1	X	260.37154	28.01801	298.09390	3.60887	0.1877352	0.23523491	2.5989716	20	4 3.1	20.0
225506 2000 QJ_{58}	15.8	X	203.89663	217.41235	139.77171	12.32320	0.1794709	0.23042545	2.6350109	20	3 27.0	20.3
225507 2000 QG_{71}	16.1	X	323.60917	21.58694	305.03339	4.76099	0.0931001	0.24349854	2.5398329	20	7 20.3	18.6
225508 2000 QY_{84}	16.3	X	223.55797	118.88164	203.71985	5.33933	0.1731378	0.22953834	2.6417957	20	2 26.3	20.7
225509 2000 QY_{98}	15.6	X	182.70304	206.69597	150.59788	13.46217	0.1882962	0.22568397	2.6717895	20	3 7.3	20.0
225510 2000 QS_{107}	16.3	X	334.57888	237.90959	26.70191	5.22969	0.2970017	0.23988076	2.5653056	20	4 8.3	18.5
225511 2000 QH_{109}	16.2	X	192.15856	206.39854	146.30332	13.41847	0.3051311	0.22734930	2.6587263	20	3 11.3	21.2
225512 2000 QS_{128}	15.8	X	236.82300	116.87042	190.30591	11.38122	0.2695463	0.22896379	2.6462133	20	2 14.1	20.6
225513 2000 QA_{131}	15.8	X	199.46582	28.88602	328.00822	11.28679	0.2106769	0.23035865	2.6355203	20	3 15.6	20.4
225514 2000 QG_{138}	16.1	X	249.93975	311.63792	10.49518	5.19746	0.2098312	0.23158089	2.6262389	20	3 19.9	20.4
225515 2000 QD_{156}	16.3	X	313.15280	87.42163	228.06885	5.87139	0.1196520	0.24095586	2.5576692	20	6 11.7	19.1
225516 2000 QE_{163}	16.3	X	166.81537	82.14901	286.14971	7.80396	0.1457493	0.22607214	2.6687303	20	2 28.9	20.7
225517 2000 QX_{170}	16.8	X	211.54157	115.09407	273.97197	3.69361	0.3366395	0.23202479	2.6228883	20	5 1.5	21.6
225518 2000 QJ_{179}	16.3	X	268.39169	297.33370	12.40979	4.15000	0.2589871	0.23389546	2.6088845	20	3 16.9	20.4
225519 2000 QR_{211}	16.6	X	248.25102	79.63256	309.41013	3.15394	0.1967766	0.23872720	2.5735628	20	6 11.2	20.3
225520 2000 QD_{221}	16.4	X	189.86424	286.90687	66.65958	2.01677	0.2283056	0.22819735	2.6521352	20	3 8.9	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225521 2000 QP_{223}	16.5	X	234.98680	223.35919	121.61645	4.61412	0.1908679	0.23346340	2.6121023	20	4 6.2	20.7
225522 2000 RR_{15}	15.7	X	238.59383	93.87458	215.15786	8.88210	0.1571996	0.22914986	2.6447806	20	2 22.8	20.0
225523 2000 RN_{16}	16.0	X	226.20040	46.90375	300.15832	7.52180	0.1112321	0.23117177	2.6293366	20	3 30.3	20.2
225524 2000 RA_{26}	16.1	X	138.30114	165.62746	243.49759	7.76002	0.2346264	0.22420576	2.6835202	20	3 30.5	20.7
225525 2000 RB_{27}	16.1	X	204.06468	126.36990	256.54702	6.40766	0.1936561	0.23100071	2.6306345	20	4 21.8	20.5
225526 2000 RH_{76}	16.8	X	160.38093	138.20798	205.53167	4.47737	0.2140356	0.22174626	2.7033266	20	1 31.8	21.4
225527 2000 RE_{82}	16.2	X	222.64878	116.54022	227.77130	9.03387	0.2484758	0.23058742	2.6337769	20	3 18.3	21.0
225528 2000 RY_{89}	16.1	X	245.37750	161.68012	287.30348	4.02039	0.0524968	0.24673592	2.5175676	20	9 16.0	19.5
225529 2000 RG_{96}	15.8	X	262.73345	95.63588	230.13880	17.20878	0.1964379	0.23436613	2.6053905	20	4 2.5	19.9
225530 2000 RH_{97}	15.6	X	213.00231	161.28933	245.12625	12.41331	0.2868891	0.23403799	2.6078252	20	5 26.2	20.2
225531 2000 SF_{1}	15.7	X	221.43215	89.90216	290.15330	27.83500	0.3120832	0.23212646	2.6221223	20	4 18.9	21.1
225532 2000 SP_{5}	15.7	X	255.77626	30.84981	270.01553	12.09561	0.1194589	0.23138561	2.6277164	20	2 29.5	20.0
225533 2000 SL_{20}	15.6	X	157.93665	149.38193	261.55730	11.61201	0.1502422	0.22560426	2.6724188	20	4 12.4	20.0
225534 2000 SX_{25}	16.0	X	251.82913	130.43364	187.51891	14.46649	0.2039963	0.23338755	2.6126682	20	3 15.1	20.2
225535 2000 SN_{63}	16.0	X	144.63209	322.58267	26.95772	8.59046	0.1621334	0.21846032	2.7303669	20	1 24.2	20.3
225536 2000 SO_{63}	16.3	X	192.39531	209.98709	157.19712	4.88978	0.1835425	0.22710288	2.6606492	20	3 26.9	20.7
225537 2000 SZ_{64}	16.2	X	208.97053	163.92813	182.60346	6.05872	0.1947586	0.22778661	2.6553224	20	3 14.4	20.6
225538 2000 SV_{65}	16.1	X	276.99113	103.19207	180.89766	11.37558	0.1829246	0.23022133	2.6365682	20	2 29.3	20.1
225539 2000 SJ_{90}	15.9	X	222.97659	140.14194	245.80426	13.33575	0.0957325	0.23559461	2.5963256	20	5 20.7	19.8
225540 2000 SA_{98}	16.7	X	226.79218	131.34876	287.75138	3.32940	0.1837384	0.23687912	2.5869311	20	6 29.8	20.8
225541 2000 SV_{105}	16.5	X	271.76632	321.39431	359.35173	4.28725	0.1971676	0.23382671	2.6093958	20	4 8.4	20.4
225542 2000 SW_{124}	15.9	X	206.63746	314.93484	33.67948	13.71834	0.1830971	0.22566483	2.6719406	20	3 20.9	20.5
225543 2000 SO_{134}	15.9	X	196.76944	151.50564	249.13229	9.90884	0.1608873	0.23211046	2.6222429	20	5 8.9	20.2
225544 2000 SV_{142}	15.6	X	149.83537	171.45911	235.31859	15.21538	0.1104892	0.22400974	2.6850854	20	3 26.9	19.9
225545 2000 SO_{163}	16.1	X	196.19155	131.96746	221.85025	12.11119	0.1767255	0.22346126	2.6894773	20	3 9.3	20.8
225546 2000 SH_{173}	15.8	X	231.61503	65.77623	273.02802	11.67529	0.2146134	0.23016130	2.6370266	20	3 17.2	20.5
225547 2000 SN_{189}	16.2	X	275.45436	18.07090	276.45634	4.28077	0.2497638	0.23096075	2.6309379	20	3 3.4	20.3
225548 2000 SR_{194}	16.1	X	90.28134	51.01414	14.63213	6.17155	0.0180549	0.22214720	2.7000729	20	2 3.0	19.7
225549 2000 SC_{199}	16.5	X	212.28655	158.65016	160.38402	2.43265	0.2018925	0.22543894	2.6737252	20	2 13.9	20.9
225550 2000 SC_{285}	16.5	X	141.55957	84.76422	338.56928	10.68165	0.2806637	0.22392733	2.6857442	20	4 20.8	21.4
225551 2000 SG_{285}	16.0	X	100.55616	28.84859	331.25173	8.38759	0.1666315	0.21285198	2.7781195	20	—	—
225552 2000 SK_{286}	16.6	X	90.89991	43.94845	320.23784	6.98459	0.2395770	0.21291707	2.7775533	20	—	—
225553 2000 SQ_{302}	16.0	X	162.95936	68.85523	298.07783	6.89871	0.1156430	0.22316013	2.6918962	20	2 23.1	20.1
225554 2000 SP_{304}	15.6	X	230.81644	86.68419	221.40960	11.65034	0.1677472	0.22550366	2.6732135	20	2 13.3	20.2
225555 2000 SJ_{316}	16.2	X	293.94789	67.20130	270.82118	9.94745	0.3104578	0.24016266	2.5632978	20	5 10.2	19.8
225556 2000 SV_{317}	15.6	X	252.22113	90.82916	262.31481	12.74437	0.2418151	0.23512493	2.5997820	20	4 22.2	19.9
225557 2000 SD_{334}	16.3	X	144.52982	321.47871	72.61535	4.54291	0.1844554	0.22402910	2.6849307	20	3 19.0	20.6
225558 2000 SM_{347}	15.7	X	196.73802	291.29279	78.84839	15.77892	0.1547320	0.22736920	2.6585712	20	4 10.5	20.3
225559 2000 SR_{364}	15.9	X	171.23594	317.04083	52.99758	13.78074	0.2104258	0.22530917	2.6747517	20	3 19.6	20.6
225560 2000 SF_{365}	16.4	X	189.72491	306.06368	79.16379	3.86395	0.1730693	0.22959064	2.6413945	20	4 15.9	20.7
225561 2000 SB_{372}	16.1	X	179.59497	173.94005	234.48356	4.40006	0.1331335	0.22854981	2.6494077	20	5 3.2	20.1
225562 2000 TJ	16.1	X	182.30801	347.11510	14.70557	12.31070	0.1958058	0.22358602	2.6884767	20	3 14.5	20.6
225563 2000 TL_{2}	16.2	X	155.71704	228.74965	177.18202	2.70784	0.2491023	0.22403734	2.6848650	20	4 14.2	20.7
225564 2000 TY_{8}	16.2	X	107.20357	16.82684	14.23285	6.36489	0.0420761	0.21780117	2.7358729	20	1 15.5	19.9
225565 2000 TR_{12}	16.3	X	181.36480	245.83313	118.34972	7.47374	0.2205666	0.22457161	2.6806050	20	3 16.9	20.9
225566 2000 TP_{15}	16.2	X	173.32779	132.07120	208.60362	8.34920	0.1212818	0.21984127	2.7189209	20	2 1.9	20.5
225567 2000 TD_{45}	15.9	X	206.80331	318.51824	46.45107	12.24128	0.2112175	0.22957352	2.6415258	20	4 7.6	20.5
225568 2000 TV_{51}	15.6	X	85.60139	123.84990	16.52857	13.62431	0.2047205	0.22632088	2.6667745	20	5 26.6	19.5
225569 2000 TZ_{59}	16.0	X	181.53434	295.04450	75.91522	13.88077	0.2786376	0.22536579	2.6743037	20	3 30.5	21.0
225570 2000 TL_{63}	15.4	X	280.88730	65.64823	242.03276	14.48312	0.1669140	0.23222126	2.6214086	20	4 2.5	19.3
225571 2000 UV_{1}	16.0	X	150.38069	11.77225	29.63204	15.04730	0.1081535	0.22295001	2.6935872	20	3 29.5	20.1
225572 2000 UW_{27}	16.5	X	119.95040	314.23997	91.02925	2.13773	0.1519165	0.21952032	2.7215704	20	3 3.3	20.3
225573 2000 UV_{58}	16.1	X	86.29999	165.68039	219.52763	12.92594	0.1937753	0.21274879	2.7790177	20	—	—
225574 2000 UQ_{64}	15.9	X	71.21942	16.78059	4.34218	9.18163	0.1485604	0.21024970	2.8009959	20	—	—
225575 2000 UM_{68}	15.5	X	120.76297	199.68688	228.65962	13.71589	0.0804692	0.22273259	2.6953399	20	3 18.2	19.5
225576 2000 UR_{78}	16.3	X	138.01656	31.88238	47.11355	8.03427	0.2018076	0.22326568	2.6910477	20	5 6.3	20.6
225577 2000 UM_{99}	15.7	X	74.24613	205.00393	249.86183	11.74275	0.1205669	0.21689821	2.7434607	20	2 25.2	19.4
225578 2000 UG_{101}	15.4	X	146.89102	113.51828	281.75568	7.51641	0.1407358	0.21989252	2.7184984	20	3 13.1	19.7
225579 2000 UP_{102}	16.0	X	84.17605	9.25216	34.24550	14.91049	0.2136460	0.21238997	2.7821468	20	1 30.3	19.7
225580 2000 VH_{4}	16.1	X	120.14666	240.31767	221.80694	11.33374	0.0772258	0.22621995	2.6675677	20	5 4.4	19.7
225581 2000 VB_{53}	16.0	X	106.08727	126.39416	333.80569	4.48063	0.1307766	0.22210379	2.7004247	20	4 20.0	19.9
225582 2000 VC_{58}	16.2	X	114.68771	164.53901	267.87309	7.18967	0.1165388	0.22015909	2.7163035	20	3 21.8	20.3
225583 2000 WS_{32}	15.7	X	83.37246	11.45169	93.29745	14.83842	0.1020814	0.21820371	2.7325071	20	4 3.0	19.6
225584 2000 WU_{39}	15.8	X	175.71222	319.68020	97.44415	15.56500	0.1970352	0.22488877	2.6780841	20	5 16.4	20.5
225585 2000 WT_{47}	15.7	X	144.05143	327.18299	73.20798	14.52058	0.0927082	0.22001183	2.7175155	20	3 24.3	20.0
225586 2000 WS_{67}	18.4	X	145.32229	198.35229	73.78209	20.64385	0.7073353	0.66587428	1.2987968	20	—	—
225587 2000 WS_{77}	16.2	X	94.39625	47.75396	0.22741	4.39129	0.1865174	0.21417210	2.7666918	20	2 10.7	19.9
225588 2000 WS_{81}	16.5	X	137.06196	101.25569	293.67531	2.50889	0.1072847	0.21796112	2.7345342	20	3 2.2	20.4
225589 2000 WM_{90}	15.9	X	142.39611	332.35236	68.75881	6.17009	0.0798776	0.21886775	2.7269774	20	3 17.2	19.9
225590 2000 WE_{94}	15.6	X	80.20109	166.80945	261.51852	7.06490	0.2037962	0.21311966	2.7757928	20	2 15.3	19.1
225591 2000 WL_{103}	15.5	X	144.44123	254.89211	116.53311	13.54406	0.1549997	0.21625679	2.7488827	20	2 18.5	19.8
225592 2000 WR_{117}	14.8	X	182.24688	262.24776	77.88305	25.09373	0.2831381	0.21682550	2.7440740	20	2 27.4	20.2
225593 2000 WA_{134}	16.0	X	158.80024	25.98924	354.76721	6.92465	0.3116393	0.22201013	2.7011841	20	3 19.9	20.9
225594 2000 WX_{136}	15.9	X	27.81760	248.13825	263.04125	6.34248	0.2508938	0.21522240	2.7576834	20	3 4.2	18.2
225595 2000 WT_{155}	15.8	X	51.60778	209.66081	294.05104	8.94871	0.2796305	0.21696704	2.7428804	20	4 21.6	18.8
225596 2000 XK_{4}	16.3	X	136.53414	86.21802	301.63943	8.53507	0.2066379	0.21825183	2.7321054	20	2 29.9	20.8
225597 2000 XQ_{13}	15.7	X	195.17100	136.74104	261.76848	24.54988	0.2806541	0.22857759	2.6491931	20	5 1.2	20.8
225598 2000 XN_{21}	15.8	X	129.09028	15.24703	49.20470	14.93810	0.1930457	0.21986172	2.7187523	20	4 13.7	20.1
225599 2000 XE_{31}	15.9	X	130.00534	88.90131	302.82992	12.76406	0.2092441	0.21655479	2.7463604	20	2 27.2	20.3
225600 2000 YJ_{2}	15.8	X	19.81130	284.94237	250.39687	7.73474	0.1741785	0.21842566	2.7306557	20	3 18.0	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225601 2000 YY_{29}	15.6	X	162.64863	337.70380	104.60168	7.86856	0.2651681	0.22479811	2.6788041	20	6 3.5	20.3
225602 2000 YS_{38}	15.8	X	137.26706	18.70440	113.71918	7.65749	0.1023788	0.22565825	2.6719926	20	7 5.6	19.8
225603 2000 YT_{39}	16.1	X	110.85271	335.32707	93.52359	6.35319	0.2948848	0.21679261	2.7443515	20	4 11.0	20.5
225604 2000 YO_{41}	15.4	X	174.03489	318.87712	99.30785	9.31280	0.0711000	0.22258046	2.6965679	20	5 12.2	19.4
225605 2000 YK_{42}	15.8	X	90.64071	137.37124	279.27234	8.08117	0.1598564	0.21147860	2.7901342	20	2 9.1	19.5
225606 2000 YM_{43}	15.7	X	109.96421	277.79428	121.93120	7.93429	0.1923512	0.21188830	2.7865365	20	2 20.7	19.7
225607 2000 YS_{49}	15.9	X	105.75927	299.98727	115.24675	14.32756	0.1949021	0.21281157	2.7784712	20	3 9.6	20.0
225608 2000 YB_{60}	16.0	X	67.63781	153.03313	300.06133	7.50960	0.1656369	0.21109512	2.7935123	20	2 23.6	19.3
225609 2000 YN_{60}	15.6	X	77.38841	348.15292	110.89282	8.86614	0.2191878	0.21333720	2.7739055	20	4 1.8	19.2
225610 2000 YJ_{74}	15.5	X	106.83216	173.37618	267.61451	12.38995	0.1280162	0.21778763	2.7359863	20	3 22.4	19.6
225611 2000 YY_{77}	15.5	X	148.29542	113.25789	271.03506	7.57147	0.1851536	0.21749005	2.7384814	20	3 5.0	20.0
225612 2000 YK_{82}	15.2	X	136.29816	349.26223	112.01559	9.57829	0.2299792	0.22299645	2.6932133	20	6 4.8	19.7
225613 2000 YH_{107}	15.8	X	162.60049	301.76541	81.65766	4.78331	0.2746283	0.21952583	2.7215248	20	3 26.9	20.6
225614 2000 YA_{120}	15.4	X	220.14691	290.04823	73.21886	17.31270	0.2244605	0.22922030	2.6442388	20	4 19.7	20.1
225615 2000 YR_{124}	15.9	X	146.81922	17.35159	95.63277	15.24219	0.2219147	0.22671207	2.6637060	20	6 26.5	20.4
225616 2000 YB_{143}	16.0	X	58.49190	117.72077	333.28030	7.29983	0.1985525	0.21024603	2.8010284	20	2 13.3	18.8
225617 2001 AQ_{14}	15.0	X	46.76220	114.88649	108.14178	14.26976	0.2690146	0.22186504	2.7023616	20	8 10.2	18.4
225618 2001 AO_{26}	14.4	X	252.38753	154.21193	56.01034	11.95407	0.3372275	0.19794387	2.9159138	20	—	—
225619 2001 AK_{32}	15.5	X	69.68249	103.80212	318.16638	6.06643	0.1191147	0.20853555	2.8163242	20	1 14.6	18.8
225620 2001 AR_{34}	15.6	X	109.59643	62.28442	88.69439	15.95967	0.1297685	0.22382420	2.6865692	20	7 1.4	19.5
225621 2001 BD	15.6	X	107.35414	145.62089	333.29530	12.91828	0.1476021	0.21741048	2.7391495	20	5 15.8	19.9
225622 2001 BY_{3}	15.5	X	138.26550	359.54923	89.24085	15.91740	0.1516831	0.22005918	2.7171256	20	5 18.9	19.9
225623 2001 BS_{16}	12.3	X	273.10323	344.86593	104.93886	22.27280	0.0823096	0.08372206	5.1749894	20	10 6.3	19.4
225624 2001 BJ_{39}	13.0	X	133.22669	253.75493	330.40123	4.66213	0.0051363	0.08214054	5.2412034	20	9 29.4	19.9
225625 2001 BK_{40}	16.3	X	10.21970	330.80122	135.05149	2.75372	0.0950568	0.20356669	2.8619689	20	—	—
225626 2001 BQ_{52}	15.9	X	52.56537	296.61974	116.67739	3.19372	0.0638766	0.20305652	2.8667606	20	—	—
225627 2001 BJ_{57}	15.5	X	59.42407	225.78937	253.50527	10.15482	0.1648557	0.21212337	2.7844774	20	3 13.2	18.9
225628 2001 CS_{14}	15.1	X	40.48094	114.21896	124.63363	26.86445	0.2222122	0.22063102	2.7124287	20	8 13.4	18.3
225629 2001 DN_{51}	15.7	X	86.80958	83.85995	95.22328	10.38169	0.2200742	0.21917739	2.7244084	20	7 24.5	19.7
225630 2001 DR_{77}	16.6	X	90.63535	52.61618	347.05235	1.47905	0.1148148	0.20472499	2.8511637	20	1 16.1	20.2
225631 2001 ER_{15}	16.6	X	302.69787	71.85166	118.55238	7.02427	0.1315579	0.29989511	2.2104963	20	—	—
225632 2001 EX_{19}	12.5	X	287.39947	93.31656	350.46899	9.56236	0.0951980	0.08220660	5.2383952	20	10 2.6	19.3
225633 2001 FF_{15}	15.4	X	282.96192	328.92310	190.47555	6.84969	0.1172669	0.19160613	2.9798641	20	—	—
225634 2001 FU_{49}	17.2	X	303.92309	207.54300	351.46420	3.43132	0.0949987	0.30209281	2.1997625	20	—	—
225635 2001 FY_{54}	14.9	X	315.38955	95.15705	17.42072	12.34173	0.0785392	0.18953913	3.0014892	20	—	—
225636 2001 FD_{59}	14.8	X	183.73709	155.78352	352.98087	28.56262	0.1432681	0.17895238	3.1187296	20	9 10.5	19.8
225637 2001 FL_{60}	15.3	X	355.85159	90.86658	157.43727	10.86519	0.2116104	0.21160728	2.7890030	20	5 21.8	18.1
225638 2001 FF_{72}	15.4	X	300.51473	96.85448	59.53604	8.33622	0.1080740	0.19266565	2.9689293	20	—	—
225639 2001 FS_{78}	16.9	X	204.25856	158.75476	72.73822	4.36451	0.1935820	0.28949489	2.2631262	20	—	—
225640 2001 FP_{84}	15.9	X	101.29699	11.99242	43.29625	2.54836	0.0687922	0.20333825	2.8641120	20	2 12.9	19.7
225641 2001 FO_{89}	17.6	X	125.50017	251.09551	13.75973	8.68407	0.1225092	0.28487350	2.2875364	20	12 18.5	21.1
225642 2001 FY_{89}	15.6	X	272.71755	135.65067	186.06828	13.27696	0.0789005	0.15939086	3.3689438	20	5 2.9	20.5
225643 2001 FN_{96}	16.1	X	195.78661	90.90429	102.00177	8.19635	0.1688916	0.23388978	2.6089267	20	11 18.6	20.1
225644 2001 FZ_{98}	17.2	X	204.09706	183.35068	52.56086	7.35234	0.1697280	0.29145492	2.2529685	20	—	—
225645 2001 FW_{107}	16.7	X	272.96009	246.10041	320.13339	8.61982	0.0358864	0.30008510	2.2095632	20	—	—
225646 2001 FN_{115}	17.0	X	41.19237	254.01748	5.10925	1.26904	0.1641132	0.27088610	2.3656195	20	9 8.9	19.4
225647 2001 FU_{119}	17.4	X	131.44331	249.11752	16.41249	1.54816	0.1812868	0.28242926	2.3007156	20	12 24.2	21.1
225648 2001 FA_{123}	17.2	X	24.02211	107.29053	17.64970	4.91961	0.1001766	0.30404780	2.1903229	20	—	—
225649 2001 FF_{126}	15.2	X	335.95756	322.21369	19.79425	16.56809	0.0864562	0.17289173	3.1911942	20	8 31.9	19.5
225650 2001 FA_{146}	15.3	X	227.51496	350.99008	229.54435	11.19400	0.0644437	0.19155414	2.9804032	20	—	—
225651 2001 FK_{147}	15.1	X	221.02991	341.40850	235.59034	8.03318	0.0855705	0.18894631	3.0077641	20	—	—
225652 2001 FD_{148}	15.2	X	267.65644	239.23187	300.18505	9.67199	0.0789694	0.19116385	2.9844584	20	—	—
225653 2001 FC_{178}	16.5	X	334.17061	90.22458	83.41935	4.94235	0.0928656	0.30200577	2.2001851	20	—	—
225654 2001 FR_{189}	15.5	X	275.34960	28.32221	135.10620	7.82180	0.0628663	0.19160354	2.9798909	20	—	—
225655 2001 HR_{28}	16.7	X	217.77241	12.71691	212.15587	5.16005	0.1567724	0.28892858	2.2660825	20	—	—
225656 2001 HW_{33}	14.8	X	142.97188	175.13949	44.00279	19.33700	0.1330337	0.17490703	3.1666340	20	10 26.1	19.9
225657 2001 JX_{1}	17.7	X	109.14875	133.67211	140.98113	5.55377	0.2239805	0.27770774	2.3267196	20	12 16.7	21.7
225658 2001 KX_{43}	16.4	X	161.75474	101.83860	155.08097	6.60621	0.0817376	0.28387924	2.2928746	20	—	—
225659 2001 KH_{47}	16.4	X	164.79340	241.90631	32.43691	5.38672	0.1431245	0.28668847	2.2778715	20	—	—
225660 2001 KB_{62}	14.9	X	139.00722	356.91405	222.31420	19.05511	0.0568464	0.17375073	3.1806676	20	10 15.7	19.8
225661 2001 KH_{71}	17.2	X	260.00038	134.50173	76.80422	6.90930	0.0863094	0.29399053	2.2399956	20	—	—
225662 2001 KG_{74}	14.6	X	239.11452	255.92282	234.51309	14.91070	0.0279892	0.17578158	3.1561222	20	10 23.8	19.2
225663 2001 LH_{16}	16.1	X	149.18617	9.39323	251.14263	5.26119	0.1723488	0.27987090	2.3147151	20	—	—
225664 2001 MJ_{7}	16.1	X	84.92590	66.94351	241.68509	7.31260	0.1344370	0.27477203	2.3432630	20	12 31.4	19.6
225665 2001 NU_{8}	16.4	X	9.15236	10.24442	335.96711	6.26148	0.1312934	0.26782455	2.3836133	20	11 13.9	19.1
225666 2001 NE_{10}	17.3	X	358.53894	317.07354	12.08010	2.40987	0.1806807	0.26377366	2.4079553	20	10 9.1	19.2
225667 2001 ND_{15}	16.8	X	323.66017	342.66323	14.51747	6.66391	0.1811603	0.26190263	2.4194100	20	9 5.5	18.7
225668 2001 OU_{2}	16.9	X	216.42366	137.09891	199.30973	6.26076	0.3437047	0.24189015	2.5510791	20	3 3.3	21.7
225669 2001 OE_{11}	16.5	X	30.06098	290.99987	24.92548	4.77056	0.2144218	0.26642507	2.3919531	20	11 17.6	19.3
225670 2001 OP_{11}	17.1	X	351.78533	276.23458	37.43933	5.15684	0.1893310	0.26080844	2.4261722	20	9 2.0	19.0
225671 2001 OY_{19}	16.4	X	347.87484	268.86414	94.54060	8.89321	0.2162593	0.26445670	2.4038074	20	11 17.4	18.4
225672 2001 OE_{20}	16.2	X	16.35630	107.86233	234.21087	5.48994	0.1671325	0.26541211	2.3980352	20	11 27.1	18.7
225673 2001 OV_{76}	16.5	X	347.02497	290.12193	62.57957	7.36742	0.1381212	0.26328200	2.4109522	20	10 20.1	18.8
225674 2001 OA_{96}	17.3	X	289.20032	217.61388	139.24690	3.09762	0.2193257	0.25452197	2.4659591	20	6 16.3	20.2
225675 2001 PA	15.9	X	119.43544	244.94618	5.40229	8.22010	0.2221456	0.27241238	2.3567752	20	11 22.4	20.0
225676 2001 PZ_{15}	17.0	X	291.46256	350.40352	8.76178	3.71491	0.2119999	0.25623193	2.4549758	20	6 24.6	19.8
225677 2001 PY_{21}	17.0	X	358.11166	45.90601	275.91013	4.10819	0.2343796	0.26169295	2.4207022	20	10 1.2	18.9
225678 2001 PC_{43}	16.5	X	35.29684	227.06219	84.28609	7.97699	0.1377784	0.26569671	2.3963225	20	11 9.6	19.4
225679 2001 PG_{50}	16.9	X	171.37213	257.53199	348.18078	5.32050	0.2392394	0.27954343	2.3165225	20	12 31.2	20.6
225680 2001 PO_{60}	17.6	X	348.05269	181.03828	144.66373	2.97666	0.2367840	0.26112230	2.4242277	20	9 15.4	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225681 2001 PL_{61}	17.4	X	306.77149	336.93669	349.25035	4.09248	0.2650199	0.25436832	2.4669520	20	5 20.9	20.2
225682 2001 PA_{66}	17.3	X	312.17499	1.84308	2.60832	2.41396	0.2251350	0.25880273	2.4386912	20	8 12.6	19.1
225683 2001 QQ_{8}	16.4	X	4.62029	343.04832	328.68010	4.54703	0.1828804	0.26128091	2.4232465	20	9 22.4	18.5
225684 2001 QC_{33}	16.7	X	316.98277	57.26283	8.33263	3.61027	0.2256142	0.26490084	2.4011198	20	12 10.5	18.2
225685 2001 QW_{41}	17.0	X	322.08903	9.70305	333.16410	1.81288	0.2439423	0.25887528	2.4382356	20	7 28.4	18.7
225686 2001 QE_{60}	17.0	X	107.00828	270.35001	356.43888	3.53857	0.2316569	0.27238495	2.3569334	20	12 4.1	21.0
225687 2001 QG_{68}	16.5	X	11.05445	82.24952	210.28420	14.78434	0.2724873	0.26071469	2.4267538	20	9 18.8	18.7
225688 2001 QQ_{88}	17.4	X	27.15096	332.65720	316.19690	1.22022	0.1964552	0.26254290	2.4154749	20	10 3.1	20.0
225689 2001 QR_{116}	16.2	X	311.36699	11.26867	329.36515	14.73150	0.2078846	0.25464399	2.4651712	20	7 7.1	18.8
225690 2001 QS_{119}	15.8	X	303.43967	297.22042	90.36045	2.86858	0.1723873	0.25893679	2.4378494	20	9 8.5	17.9
225691 2001 QU_{124}	16.9	X	308.57166	225.66983	118.47142	3.56415	0.2455059	0.25648906	2.4533348	20	6 26.5	19.2
225692 2001 QJ_{146}	17.1	X	4.54006	356.31241	303.40594	0.47930	0.1863465	0.25850858	2.4405408	20	9 4.5	19.2
225693 2001 QS_{146}	17.3	X	69.56978	136.98555	151.94302	2.69313	0.1966903	0.26939238	2.3743560	20	11 27.1	20.7
225694 2001 QP_{158}	16.9	X	356.14705	343.69654	326.73979	5.98222	0.1679502	0.25930659	2.4355311	20	8 31.4	18.8
225695 2001 QX_{162}	16.7	X	341.75885	147.80783	224.34306	2.64509	0.1388081	0.26441238	2.4040760	20	11 5.7	19.0
225696 2001 QU_{169}	15.9	X	344.03405	105.30084	292.83776	2.91546	0.2715094	0.26234925	2.4166634	20	—	—
225697 2001 QB_{170}	17.7	X	338.64529	76.53493	253.68564	2.61012	0.2043467	0.25857182	2.4401429	20	8 22.6	19.4
225698 2001 QM_{185}	17.1	X	203.88044	292.61439	284.01248	19.24413	0.0650064	0.38099255	1.8844808	20	—	—
225699 2001 QF_{186}	17.0	X	359.97293	205.73949	232.78796	19.93825	0.0935895	0.37996812	1.8878665	20	—	—
225700 2001 QH_{193}	16.1	X	330.19294	127.23221	281.65595	11.27361	0.2602670	0.26325366	2.4111253	20	12 21.9	17.6
225701 2001 QH_{203}	16.6	X	337.27471	318.25881	55.01461	4.23720	0.1981138	0.26435433	2.4044279	20	11 4.2	18.4
225702 2001 QH_{215}	16.7	X	355.31665	72.08970	348.44972	3.10932	0.1211167	0.27104953	2.3646686	20	—	—
225703 2001 QQ_{222}	16.5	X	323.02639	134.28567	269.20178	5.90196	0.1047394	0.26611545	2.3938080	20	11 14.3	19.0
225704 2001 QY_{229}	16.9	X	9.90209	113.91991	206.99881	6.09038	0.1721846	0.26163662	2.4210496	20	10 16.6	19.3
225705 2001 QJ_{231}	16.8	X	352.22831	89.52651	256.87632	5.35377	0.1278792	0.26272068	2.4143851	20	10 13.8	19.3
225706 2001 QE_{242}	16.2	X	228.17042	10.69345	347.52787	10.41807	0.1734229	0.24421890	2.5348360	20	4 11.0	20.3
225707 2001 QN_{242}	16.1	X	296.75805	66.97448	353.50322	7.19301	0.1954859	0.26031460	2.4292397	20	10 9.6	18.1
225708 2001 QH_{246}	16.7	X	7.00631	294.76692	60.28522	2.82506	0.2351689	0.26345507	2.4098962	20	12 11.1	19.1
225709 2001 QA_{252}	16.9	X	84.20906	168.91941	106.63688	3.48618	0.1803878	0.26926066	2.3751303	20	11 23.2	20.5
225710 2001 QX_{278}	16.2	X	325.65384	337.76131	74.39904	5.90996	0.1834902	0.26583309	2.3955028	20	12 8.1	17.8
225711 Danyzy	17.5	X	15.28000	312.72899	330.22286	1.03190	0.1731575	0.26004228	2.4309353	20	8 29.8	19.5
225712 2001 RN_{1}	17.0	X	244.57016	301.60056	350.51067	8.04656	0.2838505	0.24154325	2.5535210	20	2 5.2	21.5
225713 2001 RE_{9}	16.5	X	58.06394	108.67362	246.93485	20.07091	0.0630557	0.37690246	1.8980897	20	—	—
225714 2001 RP_{20}	16.8	X	309.19371	39.98868	319.54963	1.75214	0.2187596	0.25727975	2.4483057	20	7 28.3	19.0
225715 2001 RW_{21}	16.8	X	14.17031	130.42032	253.47373	1.25702	0.1929923	0.26931040	2.3748379	20	—	—
225716 2001 RH_{23}	17.4	X	21.24812	303.63189	358.36293	0.87892	0.1600992	0.26183577	2.4198219	20	10 6.6	20.0
225717 2001 RX_{32}	16.7	X	13.01679	179.38235	173.94456	6.24364	0.1482137	0.26828331	2.3808952	20	12 6.1	19.5
225718 2001 RL_{56}	16.7	X	278.21021	79.85165	5.86211	6.05237	0.1450942	0.26285653	2.4135531	20	10 20.3	19.1
225719 2001 RS_{58}	16.5	X	293.59628	343.80309	55.43684	3.37825	0.1983997	0.25783143	2.4448121	20	9 2.6	18.8
225720 2001 RJ_{59}	17.3	X	335.89171	235.81059	110.49392	3.75204	0.1892839	0.25900613	2.4374143	20	9 16.2	19.1
225721 2001 RJ_{85}	16.5	X	41.20471	303.94746	347.31196	6.66640	0.0786963	0.26105024	2.4246738	20	10 6.5	19.6
225722 2001 RR_{86}	16.5	X	281.15969	100.02743	328.12908	2.04164	0.1803121	0.25893483	2.4378617	20	9 23.7	19.0
225723 2001 RS_{92}	16.8	X	18.24306	30.32305	294.38904	1.53312	0.2473075	0.26266514	2.4147255	20	11 17.9	19.3
225724 2001 RD_{97}	17.2	X	121.27209	99.71698	168.60756	3.26405	0.1601023	0.27235765	2.3570909	20	12 17.1	20.8
225725 2001 RY_{99}	16.8	X	3.03529	314.24768	24.06152	2.67710	0.1889351	0.26346200	2.4098540	20	11 1.9	19.0
225726 2001 RE_{100}	16.1	X	349.71913	340.96702	84.78302	3.31274	0.2033914	0.27072858	2.3665371	20	—	—
225727 2001 RU_{106}	17.2	X	341.51976	300.73154	32.97444	1.60638	0.2008983	0.25973347	2.4328618	20	9 8.3	18.7
225728 2001 RE_{107}	16.3	X	311.01774	6.92419	20.68668	7.13454	0.1133193	0.25987848	2.4319567	20	9 29.6	18.5
225729 2001 RA_{109}	17.0	X	43.55588	285.02819	0.93756	2.13348	0.1991112	0.26348007	2.4097438	20	10 23.5	20.0
225730 2001 RR_{110}	16.5	X	97.71763	236.83670	37.10367	2.87734	0.1989125	0.26999531	2.3708199	20	12 3.7	20.3
225731 2001 RD_{113}	17.5	X	56.00207	283.19638	339.45287	0.77576	0.1591051	0.26132130	2.4229968	20	10 1.9	20.5
225732 2001 RM_{130}	16.9	X	253.03716	307.79525	122.13018	2.19951	0.1560687	0.25598065	2.4565822	20	8 18.7	20.2
225733 2001 RA_{131}	17.4	X	12.31425	190.70171	106.27249	2.13181	0.1766015	0.25892410	2.4379290	20	9 16.4	19.7
225734 2001 RQ_{141}	17.0	X	282.25210	247.26379	136.26351	6.88438	0.1917832	0.25373039	2.4710853	20	7 18.6	20.0
225735 2001 RA_{150}	17.4	X	12.39535	238.49336	73.43935	3.01668	0.2130028	0.26190655	2.4193859	20	10 16.4	19.7
225736 2001 RB_{150}	16.8	X	38.70181	194.00282	96.74180	4.06896	0.1591303	0.26288596	2.4133730	20	10 19.7	19.7
225737 2001 RS_{154}	16.5	X	298.55336	347.43160	52.94108	7.24469	0.1533009	0.25884943	2.4383979	20	9 23.6	18.9
225738 2001 SL_{5}	16.9	X	293.88040	221.04828	171.56739	6.78076	0.2026010	0.25675646	2.4516312	20	8 19.4	19.2
225739 2001 SO_{5}	17.2	X	237.15852	331.39622	357.13066	6.39220	0.2611287	0.24294244	2.5437072	20	3 12.6	21.4
225740 2001 SK_{15}	16.5	X	299.51365	36.20697	10.34696	6.16232	0.1041639	0.26053164	2.4278904	20	10 6.3	19.1
225741 2001 SP_{15}	17.4	X	314.24270	341.75041	25.65779	3.09437	0.2056897	0.25759216	2.4463258	20	8 26.1	19.3
225742 2001 SO_{29}	17.2	X	324.29129	180.46474	171.53449	2.79942	0.1935556	0.25694694	2.4504194	20	8 23.8	19.0
225743 2001 SM_{36}	15.9	X	305.15119	110.29132	15.47465	22.77996	0.3328690	0.26687567	2.3892599	20	—	—
225744 2001 SF_{37}	16.9	X	355.03002	211.92884	130.62437	1.92284	0.2260179	0.26046438	2.4283083	20	10 29.8	18.7
225745 2001 SY_{41}	16.2	X	297.40481	37.36407	17.41124	9.99858	0.2306355	0.25935035	2.4352572	20	9 30.2	18.0
225746 2001 SC_{42}	16.6	X	304.69039	262.89161	116.44446	2.84095	0.1929408	0.25701286	2.4500004	20	8 24.6	18.7
225747 2001 SF_{75}	16.5	X	155.59025	120.74134	281.71283	4.57356	0.2629739	0.23640961	2.5903551	20	4 7.4	21.1
225748 2001 SG_{82}	16.9	X	299.14949	79.83271	315.33042	4.54188	0.1924972	0.25951258	2.4342421	20	9 5.2	19.2
225749 2001 SQ_{100}	16.1	X	30.45403	231.51500	316.98653	3.99141	0.1480738	0.24347594	2.5399900	20	4 27.1	18.7
225750 2001 SF_{130}	14.9	X	284.63404	14.29396	184.96523	19.66111	0.0861729	0.17666663	3.1455725	20	—	—
225751 2001 SB_{148}	16.1	X	2.20300	98.97442	230.77682	5.04475	0.1604549	0.26045621	2.4283591	20	10 12.2	18.4
225752 2001 ST_{152}	16.9	X	19.70898	352.78127	308.94917	2.54257	0.1917208	0.25921386	2.4361119	20	10 7.1	19.5
225753 2001 SF_{156}	16.2	X	305.73352	163.22366	235.72002	5.84555	0.1612637	0.25976541	2.4326623	20	9 28.3	18.4
225754 2001 SL_{159}	16.4	X	279.35483	172.42772	246.27719	3.44432	0.0918686	0.25798788	2.4438236	20	9 19.3	19.1
225755 2001 SJ_{160}	16.5	X	262.91595	204.66706	209.94059	6.13234	0.0220308	0.25556944	2.4592166	20	8 29.7	19.6
225756 2001 SW_{161}	17.2	X	333.18227	115.32600	230.60006	1.59996	0.2052115	0.25722410	2.4486588	20	9 4.7	18.9
225757 2001 SV_{165}	17.0	X	31.02293	290.45547	358.32413	2.15881	0.1808810	0.26122411	2.4235978	20	10 6.5	19.8
225758 2001 SE_{167}	17.1	X	339.21566	94.77285	357.91514	1.58113	0.1488633	0.27169779	2.3609057	20	—	—
225759 2001 SB_{174}	16.8	X	288.58870	315.59611	75.66946	2.53575	0.1923919	0.25472801	2.4646291	20	8 11.4	19.3
225760 2001 SK_{195}	17.1	X	308.40401	43.09287	31.17876	3.12771	0.1570849	0.26515683	2.3995741	20	12 2.7	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225761 2001 SH_{207}	16.2	X	92.22834	302.51740	182.35803	13.49923	0.1300794	0.24064494	2.5598718	20	5 9.0	19.7
225762 2001 SJ_{229}	17.0	X	348.87565	252.95029	77.62218	2.18115	0.1494668	0.25755533	2.4465590	20	9 17.4	19.2
225763 2001 SH_{231}	16.0	X	256.98454	96.20857	25.67928	12.22408	0.1744766	0.26173950	2.4204152	20	10 31.7	18.7
225764 2001 SG_{235}	16.9	X	41.91529	285.43282	18.07851	3.19650	0.0914746	0.26044579	2.4284239	20	10 27.8	20.0
225765 2001 SD_{255}	15.1	X	169.44619	121.18341	195.01147	5.06186	0.2864169	0.12396619	3.9835219	20	1 20.4	21.9
225766 2001 ST_{259}	17.1	X	345.64810	88.63059	350.46597	2.05314	0.1776485	0.27028012	2.3691541	20	—	—
225767 2001 SL_{283}	17.2	X	258.92454	207.45257	268.52408	0.72025	0.1476148	0.26230206	2.4169532	20	11 1.5	19.9
225768 2001 SQ_{289}	15.8	X	296.89780	317.28764	100.05075	15.48362	0.2520864	0.25593469	2.4568762	20	10 7.9	18.3
225769 2001 SA_{299}	16.3	X	165.94031	204.23589	339.31552	5.96007	0.0939090	0.26294288	2.4130247	20	10 12.8	19.8
225770 2001 SZ_{349}	16.7	X	11.30758	231.56256	75.32588	3.30209	0.1692479	0.25735678	2.4478171	20	9 28.9	19.0
225771 2001 SR_{354}	17.1	X	43.82212	194.83421	86.67269	5.21145	0.2365472	0.26206125	2.4184337	20	10 25.9	20.3
225772 2001 TL_{6}	16.4	X	128.55885	106.61591	114.99206	4.17449	0.0384864	0.26011856	2.4304600	20	10 23.9	19.7
225773 2001 TQ_{16}	16.2	X	224.31192	273.53406	77.99731	15.33138	0.0961161	0.24048513	2.5610058	20	4 15.3	20.2
225774 2001 TB_{21}	15.7	X	217.89922	170.54230	259.76208	10.75486	0.1251800	0.24730193	2.5137247	20	7 9.3	19.6
225775 2001 TY_{48}	16.9	X	1.20180	209.82600	231.26995	19.29689	0.0865554	0.37769056	1.8954484	20	—	—
225776 2001 TG_{82}	17.0	X	224.11681	26.92431	300.65250	4.86956	0.2860297	0.24070447	2.5594498	20	2 28.4	21.7
225777 2001 TH_{148}	16.8	X	8.78794	234.14871	77.30538	6.72591	0.1363667	0.25740015	2.4475422	20	9 28.6	19.4
225778 2001 TB_{151}	16.7	X	308.00344	322.83105	95.36696	5.69927	0.1665757	0.26032826	2.4291547	20	11 7.5	18.7
225779 2001 TW_{151}	16.4	X	338.96482	232.48871	102.61174	5.55119	0.1952599	0.25610937	2.4557590	20	9 5.1	18.3
225780 2001 TL_{154}	16.0	X	18.57347	250.18864	76.81459	7.63247	0.1339301	0.26206335	2.4184207	20	11 5.3	18.8
225781 2001 TT_{155}	17.9	X	271.69051	199.48093	197.76492	1.35632	0.1904764	0.25351547	2.4724816	20	7 22.8	20.8
225782 2001 TW_{162}	17.1	X	7.25171	329.66121	330.65841	2.03280	0.1907410	0.25726818	2.4483791	20	9 11.4	19.1
225783 2001 TP_{180}	16.3	X	295.31606	188.13894	262.23513	5.10517	0.1099861	0.26275014	2.4142047	20	12 2.3	18.7
225784 2001 TW_{183}	16.4	X	70.85439	245.06404	15.76676	4.18411	0.1176101	0.25797177	2.4439253	20	10 11.6	19.6
225785 2001 TP_{200}	16.6	X	142.57937	284.35350	137.44769	8.52761	0.2127962	0.23710773	2.5852680	20	4 22.9	20.9
225786 2001 UP_{8}	16.9	X	306.28289	331.91537	116.65487	2.55076	0.2212337	0.26286509	2.4135008	20	12 19.6	18.3
225787 2001 UV_{43}	16.9	X	241.36377	265.74350	177.67646	3.65286	0.1545600	0.25293028	2.4762937	20	8 20.9	20.2
225788 2001 UF_{44}	16.7	X	314.01015	324.03962	75.47154	3.28566	0.1962949	0.25870981	2.4392751	20	10 19.6	18.4
225789 2001 UJ_{107}	17.0	X	176.64898	239.97923	205.68772	11.29492	0.0941317	0.24346875	2.5400401	20	6 17.2	21.0
225790 2001 UY_{111}	15.7	X	233.97857	347.79072	30.46095	15.16415	0.0594943	0.24352240	2.5396669	20	5 23.6	19.3
225791 2001 UV_{138}	17.3	X	159.13596	0.17965	49.80966	3.07452	0.1350259	0.23749720	2.5824409	20	4 15.8	21.2
225792 2001 UQ_{187}	16.9	X	233.37851	281.78019	169.41775	4.21813	0.0393239	0.25638688	2.4539866	20	9 8.3	19.8
225793 2001 UQ_{222}	17.0	X	178.54742	43.58350	50.24746	2.14756	0.0429743	0.24456889	2.5324171	20	7 1.3	20.3
225794 2001 VO_{8}	17.1	X	223.38050	326.98553	71.78778	4.55994	0.1622233	0.24348313	2.5399400	20	6 1.8	20.9
225795 2001 VZ_{26}	16.6	X	229.28339	343.49334	52.97381	4.18288	0.1868637	0.24396412	2.5366006	20	6 2.4	20.5
225796 2001 VY_{30}	15.3	X	332.19070	272.57651	61.87809	16.51621	0.1633191	0.25071784	2.4908403	20	8 24.8	18.0
225797 2001 VM_{33}	15.9	X	195.44212	3.86259	60.62363	19.21816	0.1610519	0.24102106	2.5572080	20	6 5.9	20.1
225798 2001 VS_{33}	15.9	X	126.53999	233.53430	246.82002	11.67966	0.1759680	0.23686097	2.5870633	20	6 14.5	19.9
225799 2001 VN_{41}	16.6	X	302.71523	314.55151	9.81669	2.24796	0.1061637	0.24559349	2.5253688	20	6 9.0	19.6
225800 2001 VR_{41}	14.5	X	107.99838	58.91625	36.98332	4.10293	0.2156442	0.12548020	3.9514145	20	5 2.3	20.4
225801 2001 VN_{50}	17.6	X	169.69873	232.34923	184.70919	4.39502	0.2669506	0.23825645	2.5769516	20	5 8.9	22.2
225802 2001 VC_{71}	16.1	X	207.36593	124.48178	309.16228	3.24971	0.1870625	0.24343025	2.5403079	20	6 29.9	20.3
225803 2001 VS_{77}	16.5	X	46.53534	30.21509	263.61892	4.23859	0.1061769	0.26172974	2.4204754	20	10 22.3	19.6
225804 2001 VK_{78}	15.8	X	231.64703	111.41693	55.83705	23.23254	0.1760940	0.26160525	2.4212432	20	11 26.2	19.0
225805 2001 VN_{78}	17.1	X	3.05501	285.89998	88.77620	23.64506	0.1014913	0.36682022	1.9327123	20	—	—
225806 2001 VC_{82}	16.0	X	258.68088	79.87967	267.48488	13.94276	0.1255723	0.23863170	2.5742494	20	5 5.3	19.8
225807 2001 VS_{87}	16.8	X	104.52224	86.21139	251.62427	20.06913	0.0093499	0.37635902	1.8999164	20	—	—
225808 2001 VQ_{98}	15.7	X	192.71972	271.46667	185.17077	10.95868	0.2252434	0.24136613	2.5547701	20	7 12.5	20.2
225809 2001 VX_{104}	16.5	X	294.93733	66.63196	272.86294	1.80997	0.1855626	0.24775617	2.5106513	20	6 5.5	19.4
225810 2001 VG_{106}	16.8	X	190.21695	329.65384	27.79268	5.45699	0.2524858	0.23633777	2.5908800	20	3 14.3	21.3
225811 2001 VF_{113}	16.6	X	282.11838	142.12407	291.59010	3.39662	0.1524316	0.25570407	2.4583532	20	10 6.1	19.3
225812 2001 VF_{115}	16.3	X	273.41423	295.47350	46.50383	4.32175	0.1718832	0.24366366	2.5386853	20	5 11.9	19.5
225813 2001 VS_{120}	16.6	X	30.46811	110.00992	267.50184	19.14372	0.0935599	0.36868360	1.9261946	20	—	—
225814 2001 WD_{1}	17.0	X	52.77738	289.12006	66.01073	27.17405	0.0766759	0.37203365	1.9146140	20	—	—
225815 2001 WP_{8}	15.7	X	270.75253	223.69060	71.83256	15.06796	0.0614284	0.23533293	2.5982499	20	4 1.9	19.5
225816 2001 WZ_{9}	16.3	X	239.73280	299.73451	115.30664	5.49592	0.1675457	0.24668088	2.5179420	20	7 10.2	19.7
225817 2001 WJ_{32}	17.0	X	249.77275	227.11754	144.28304	1.81525	0.1893106	0.24508659	2.5288497	20	5 22.2	20.6
225818 2001 WV_{56}	16.2	X	328.58658	259.82462	38.89361	4.04840	0.0609597	0.24540330	2.5266734	20	6 19.9	19.3
225819 2001 WW_{81}	16.7	X	286.00859	227.55811	129.48001	2.01665	0.0332970	0.24539510	2.5267297	20	7 11.9	19.7
225820 2001 WZ_{87}	16.3	X	277.89150	273.79676	47.92369	11.26567	0.1425077	0.24212505	2.5494289	20	4 26.3	19.7
225821 2001 WO_{103}	16.0	X	177.34922	286.91454	188.88049	11.38924	0.2539607	0.24058405	2.5603037	20	7 22.7	20.7
225822 2001 XL	15.4	X	179.77757	307.45288	133.97984	25.00945	0.2475518	0.24273070	2.5451863	20	6 18.3	20.3
225823 2001 XR_{4}	14.5	X	118.49747	47.70416	92.38036	32.66023	0.2555958	0.23108885	2.6299655	20	7 7.0	19.0
225824 2001 XT_{6}	16.6	X	57.51050	68.71705	283.69337	18.08779	0.0883220	0.36992133	1.9218956	20	—	—
225825 2001 XQ_{26}	16.0	X	194.08228	29.16471	65.39018	6.72524	0.2067399	0.24029736	2.5623398	20	7 14.1	20.3
225826 2001 XV_{26}	15.9	X	85.29620	162.06664	328.02923	7.44536	0.1898430	0.22761496	2.6566572	20	5 11.0	19.6
225827 2001 XB_{38}	15.6	X	239.65844	319.23313	40.61935	13.98027	0.1926322	0.24052035	2.5607558	20	4 27.0	19.6
225828 2001 XE_{44}	15.9	X	257.54822	330.60110	62.49913	12.55850	0.1604593	0.24457504	2.5323747	20	7 2.5	19.5
225829 2001 XA_{46}	15.7	X	129.60430	48.18274	53.03127	12.21473	0.1466243	0.23277567	2.6172447	20	5 20.7	19.7
225830 2001 XA_{57}	16.3	X	276.84268	24.22490	90.24084	3.38910	0.1470335	0.25874356	2.4390630	20	11 29.2	18.6
225831 2001 XN_{64}	15.7	X	162.12753	210.93570	264.44203	2.80676	0.1648593	0.23889710	2.5723425	20	7 11.5	19.7
225832 2001 XF_{66}	15.8	X	161.09709	167.41392	267.65997	9.25168	0.1443426	0.23477541	2.6023616	20	5 18.6	20.0
225833 2001 XR_{68}	17.3	X	69.71774	295.33504	49.15033	20.99338	0.0825845	0.37568465	1.9021893	20	—	—
225834 2001 XE_{79}	16.9	X	131.44349	174.87649	245.82824	2.26467	0.1759742	0.23293795	2.6160290	20	4 3.5	20.8
225835 2001 XT_{80}	15.5	X	267.70502	317.70847	32.76355	10.58806	0.1613718	0.24157629	2.5532882	20	5 16.1	19.1
225836 2001 XE_{87}	15.7	X	239.26680	312.81117	98.83686	14.30025	0.1491721	0.24446058	2.5331651	20	7 7.2	19.4
225837 2001 XZ_{91}	17.2	X	173.70038	151.93466	297.09029	2.04085	0.1993781	0.24101713	2.5572358	20	6 18.9	21.5
225838 2001 XM_{94}	16.4	X	267.93755	173.55608	271.82226	7.40961	0.1743689	0.25487767	2.4636643	20	9 22.9	19.5
225839 2001 XQ_{97}	15.5	X	262.75771	60.61806	330.01965	2.91948	0.1730872	0.24666804	2.5180294	20	7 4.4	18.8
225840 2001 XC_{103}	16.9	X	235.63488	139.96850	86.78688	23.92344	0.0639774	0.37592036	1.9013941	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225841 2001 XB_{109}	15.7	X	117.49428	89.70785	74.61476	11.44593	0.1689246	0.23762538	2.5815121	20	8 3.9	19.8
225842 2001 XQ_{117}	15.8	X	195.67074	338.94877	87.44834	11.19163	0.0832706	0.23706953	2.5855458	20	6 13.4	19.5
225843 2001 XS_{123}	17.0	X	147.41212	63.24235	75.79189	6.39773	0.2158052	0.24263899	2.5458276	20	7 31.6	21.3
225844 2001 XP_{131}	16.4	X	225.65795	357.40112	82.59404	0.75592	0.0985806	0.24763267	2.5114859	20	8 5.0	19.9
225845 2001 XW_{133}	16.6	X	174.37698	192.48667	250.66790	4.52940	0.1773493	0.24005585	2.5640581	20	6 12.0	20.6
225846 2001 XS_{135}	15.6	X	30.83120	148.18681	87.13924	14.11109	0.1411135	0.24081445	2.5586704	20	7 9.9	18.4
225847 2001 XE_{136}	17.2	X	184.78643	338.35869	118.25046	2.29625	0.1690401	0.24262071	2.5459555	20	7 8.9	21.4
225848 2001 XO_{146}	16.2	X	93.33132	51.23356	89.84185	7.34876	0.0925500	0.23493141	2.6012095	20	5 25.4	19.6
225849 2001 XS_{159}	15.7	X	84.76108	257.39159	264.31442	10.14953	0.2229239	0.23304331	2.6152405	20	6 29.0	19.5
225850 2001 XX_{159}	16.3	X	279.93568	323.01636	101.89233	7.69198	0.0740893	0.25167321	2.4845327	20	10 6.9	19.4
225851 2001 XR_{161}	15.9	X	222.43637	117.19991	249.46269	10.19606	0.0442211	0.23609392	2.5926636	20	4 26.9	19.6
225852 2001 XK_{166}	16.4	X	115.09843	19.16160	117.76017	3.24978	0.1011546	0.23678685	2.5876031	20	6 16.5	20.1
225853 2001 XX_{171}	16.7	X	200.74197	324.68716	123.93256	4.37597	0.1606101	0.24299194	2.5433618	20	7 14.0	20.6
225854 2001 XB_{172}	16.4	X	193.35379	169.57818	260.56578	2.30593	0.0987120	0.23955402	2.5676377	20	6 15.1	20.2
225855 2001 XZ_{172}	16.4	X	178.50063	340.76172	121.16202	3.01700	0.1187558	0.24062649	2.5600027	20	7 10.5	20.1
225856 2001 XN_{175}	16.6	X	157.15792	248.92790	243.39492	2.50698	0.1047578	0.24092514	2.5578867	20	7 27.2	20.5
225857 2001 XA_{177}	16.0	X	144.70994	19.07588	116.94659	7.59825	0.0952096	0.23946883	2.5682466	20	7 18.8	19.8
225858 2001 XK_{177}	15.9	X	130.86554	39.70485	131.21698	4.85656	0.1881306	0.24075033	2.5591248	20	8 24.4	20.0
225859 2001 XC_{182}	15.7	X	248.90323	160.79458	206.16821	3.31987	0.2154314	0.23993102	2.5649473	20	5 12.8	19.5
225860 2001 XT_{188}	16.6	X	195.82638	306.33516	123.76819	3.03590	0.1551343	0.23889090	2.5723870	20	6 15.7	20.7
225861 2001 XS_{191}	16.0	X	93.24631	253.85869	256.86940	5.54262	0.0841075	0.23285620	2.6166412	20	6 5.1	19.4
225862 2001 XR_{201}	16.7	X	165.67146	120.17415	234.26776	5.27492	0.1089202	0.22904492	2.6455884	20	2 9.6	20.8
225863 2001 XF_{205}	16.3	X	258.99991	359.48608	9.60937	2.12149	0.2364661	0.24445495	2.5332040	20	5 22.6	20.0
225864 2001 XX_{205}	16.8	X	204.06785	317.58447	114.58712	4.60996	0.2345330	0.24304038	2.5430238	20	6 22.5	21.0
225865 2001 XS_{215}	16.6	X	237.66747	54.25068	75.08020	7.25261	0.0690504	0.25647528	2.4534227	20	11 2.9	19.7
225866 2001 XM_{223}	16.5	X	255.86797	284.22557	57.89767	14.27766	0.2026236	0.24186781	2.5512362	20	4 22.9	20.4
225867 2001 XM_{226}	16.6	X	162.58331	6.97369	20.62960	3.51023	0.2301399	0.23350054	2.6118253	20	3 27.3	21.0
225868 2001 XE_{229}	15.0	X	67.40681	82.48045	41.42086	3.76619	0.1282937	0.12265143	4.0119388	20	4 9.1	20.4
225869 2001 XA_{234}	16.1	X	221.89542	276.20148	74.39593	17.65812	0.2647824	0.23793380	2.5792808	20	4 5.7	20.9
225870 2001 XU_{239}	15.7	X	254.48489	12.45691	357.73792	2.24063	0.2567566	0.24287347	2.5441888	20	5 17.1	19.7
225871 2001 XC_{246}	17.1	X	161.87995	6.11207	7.57328	2.14702	0.1902111	0.23139263	2.6276632	20	3 7.9	21.3
225872 2001 XG_{260}	17.1	X	279.61140	355.21307	108.17118	2.57960	0.1472657	0.26002826	2.4310227	20	11 18.9	19.4
225873 2001 YL_{4}	16.0	X	145.95867	359.15576	99.15017	13.47921	0.2035922	0.23707411	2.5855124	20	6 7.9	20.3
225874 2001 YS_{4}	15.5	X	118.15023	92.49819	19.02958	14.81139	0.0585955	0.23348080	2.6119725	20	5 7.5	19.3
225875 2001 YS_{25}	16.8	X	239.40985	28.04035	300.72083	1.46492	0.1725306	0.23661150	2.5888814	20	3 19.5	21.0
225876 2001 YM_{27}	16.3	X	274.22846	268.66834	72.07344	8.29730	0.1824165	0.24329610	2.5412416	20	5 11.4	19.7
225877 2001 YG_{52}	16.4	X	167.87900	185.32930	289.81682	2.31664	0.2080119	0.24104736	2.5570220	20	7 16.9	20.7
225878 2001 YB_{62}	16.4	X	223.10707	341.26305	81.05382	3.21249	0.2568471	0.24388029	2.5371818	20	6 24.7	20.6
225879 2001 YS_{65}	15.0	X	140.06287	20.26409	52.33604	3.56145	0.2384822	0.12543753	3.9523104	20	5 5.1	21.4
225880 2001 YM_{67}	16.4	X	151.38528	64.43450	54.33983	4.01803	0.1758950	0.23821988	2.5772154	20	7 6.8	20.6
225881 2001 YW_{68}	16.9	X	134.27884	83.17419	2.99382	1.67776	0.1781465	0.23267685	2.6179857	20	5 9.2	21.0
225882 2001 YS_{70}	15.9	X	245.56107	300.26550	70.68366	4.05202	0.1685494	0.23985696	2.5654753	20	5 19.3	19.8
225883 2001 YH_{71}	16.4	X	153.44574	81.58356	337.38194	2.33514	0.1375989	0.23196466	2.6233415	20	4 20.2	20.5
225884 2001 YN_{81}	16.9	X	33.59254	75.36127	283.18652	17.92855	0.0854853	0.36501515	1.9390788	20	—	—
225885 2001 YY_{88}	16.4	X	173.58024	59.48687	101.69637	6.73217	0.0565725	0.24693286	2.5162288	20	9 27.7	20.0
225886 2001 YQ_{89}	16.2	X	113.85194	30.06429	80.15961	6.58202	0.1797413	0.23126359	2.6286406	20	5 20.6	20.2
225887 2001 YP_{108}	15.8	X	212.79256	349.92449	37.79539	9.53489	0.0553507	0.23816051	2.5776437	20	5 13.1	19.3
225888 2001 YD_{111}	15.9	X	78.61384	78.03131	325.63120	10.57272	0.1650560	0.21851718	2.7298932	20	1 9.6	19.2
225889 2001 YK_{115}	15.9	X	112.64462	40.38269	93.13621	14.06303	0.1928914	0.23289875	2.6163225	20	6 19.4	20.0
225890 2001 YY_{115}	15.7	X	107.68838	9.02815	101.19243	14.90775	0.1895148	0.22903220	2.6456863	20	5 18.8	19.8
225891 2001 YC_{116}	16.0	X	222.94052	13.93184	79.04719	6.06679	0.1961108	0.24419627	2.5349926	20	8 10.1	19.9
225892 2001 YM_{123}	15.1	X	333.21161	265.75138	31.81168	8.53502	0.2561605	0.24488706	2.5302232	20	6 3.3	17.1
225893 2001 YE_{127}	16.3	X	123.62222	81.95850	30.12620	4.82061	0.0912650	0.23445830	2.6047076	20	5 22.4	19.9
225894 2001 YV_{145}	15.6	X	335.22114	211.83858	63.56147	20.65871	0.2443668	0.24302298	2.5431452	20	5 10.1	17.9
225895 2001 YJ_{153}	15.8	X	204.44444	355.90005	39.03252	14.14823	0.1643648	0.23712897	2.5851136	20	5 8.3	20.0
225896 2001 YG_{154}	15.6	X	169.78223	302.18521	78.43256	16.00466	0.1300265	0.22875716	2.6478065	20	3 29.3	20.0
225897 2001 YH_{155}	15.4	X	273.18400	20.71367	323.96210	14.54955	0.3180775	0.24477540	2.5309926	20	4 18.9	19.8
225898 2002 AA_{1}	16.2	X	194.01428	265.93294	174.28385	10.01176	0.2460950	0.23987052	2.5653786	20	6 23.8	20.8
225899 2002 AS_{2}	15.5	X	118.27240	107.53010	80.28415	30.21911	0.3137384	0.23943171	2.5685120	20	9 26.5	20.8
225900 2002 AF_{3}	17.8	X	328.49627	190.33000	353.24626	10.55073	0.6188191	0.37429566	1.9068924	20	—	—
225901 2002 AR_{16}	15.8	X	258.07966	42.80812	353.00096	5.70650	0.2445251	0.24365957	2.5387137	20	6 25.6	19.6
225902 2002 AF_{22}	15.5	X	113.10998	15.69672	97.63035	16.17249	0.1905374	0.22670583	2.6637549	20	5 27.6	19.7
225903 2002 AH_{24}	15.7	X	263.95338	325.08285	63.73614	9.31329	0.1718015	0.24379959	2.5377416	20	7 3.3	19.1
225904 2002 AN_{25}	16.4	X	205.38676	228.10267	264.40107	3.81812	0.1130101	0.24650337	2.5191507	20	9 16.3	20.2
225905 2002 AW_{29}	15.7	X	307.81118	286.62600	305.58254	13.25012	0.0784452	0.22255105	2.6968055	20	2 14.7	19.3
225906 2002 AO_{36}	16.7	X	293.87290	342.83677	108.40360	7.88796	0.1545196	0.25866728	2.4395425	20	11 28.2	19.0
225907 2002 AX_{39}	16.3	X	200.99336	144.77735	254.95246	3.40515	0.1971562	0.23566598	2.5958013	20	5 11.1	20.5
225908 2002 AC_{47}	16.5	X	106.19242	16.47264	131.11688	3.72509	0.1491769	0.23378454	2.6097096	20	6 25.8	20.3
225909 2002 AM_{51}	16.8	X	82.63576	9.21501	156.64570	2.07088	0.1963921	0.23123787	2.6288355	20	6 28.6	20.5
225910 2002 AS_{55}	16.5	X	90.87677	355.33984	166.97512	2.60138	0.1249656	0.23308440	2.6149330	20	6 23.9	20.0
225911 2002 AA_{56}	16.7	X	145.32322	311.42675	164.78145	1.91684	0.1596765	0.23557111	2.5964982	20	6 26.6	20.8
225912 2002 AW_{63}	15.5	X	66.59474	208.35169	320.41517	11.46495	0.2022759	0.22723833	2.6595918	20	6 11.8	19.0
225913 2002 AM_{73}	16.3	X	144.26199	85.95962	60.30720	3.08903	0.0958305	0.24073787	2.5592130	20	8 2.1	20.0
225914 2002 AR_{80}	16.4	X	188.82267	72.40277	303.63415	10.18629	0.3150326	0.23465137	2.6032786	20	3 28.8	21.5
225915 2002 AA_{85}	16.1	X	97.15489	266.56050	243.77828	6.54112	0.1167024	0.23339065	2.6126451	20	6 14.4	19.6
225916 2002 AX_{86}	16.4	X	144.69699	291.57468	204.43300	4.13098	0.2248803	0.23764995	2.5813342	20	7 22.9	20.8
225917 2002 AR_{88}	16.7	X	136.67095	285.02136	177.71349	3.91552	0.1330551	0.23374939	2.6099713	20	5 30.3	20.7
225918 2002 AZ_{96}	16.4	X	251.24255	327.47315	103.00241	7.11631	0.1275104	0.24659826	2.5185044	20	8 22.3	19.7
225919 2002 AL_{102}	16.4	X	109.82404	76.20284	87.74411	6.33436	0.0611252	0.23709597	2.5853535	20	7 11.9	19.8
225920 2002 AE_{105}	16.8	X	113.53839	167.44774	325.78821	1.40852	0.1470552	0.23316409	2.6143373	20	6 14.8	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
225921 2002 AE_{106}	16.3	X	189.85005	323.75312	105.83398	6.29293	0.2037081	0.23778468	2.5803590	20	6 8.7	20.7
225922 2002 AH_{107}	17.0	X	152.97607	119.46911	328.35384	2.09723	0.1868806	0.23410170	2.6073520	20	5 29.4	21.3
225923 2002 AK_{109}	16.3	X	170.61583	84.44194	326.70470	3.97801	0.1947880	0.23245397	2.6196588	20	4 28.2	20.8
225924 2002 AE_{116}	16.0	X	34.35035	92.39430	88.73485	4.66356	0.0233141	0.22815624	2.6524537	20	4 18.4	19.4
225925 2002 AG_{131}	15.2	X	125.09733	273.90358	278.90994	25.62802	0.1913985	0.23771767	2.5808439	20	8 30.6	20.0
225926 2002 AL_{137}	16.2	X	139.08771	308.27209	115.24826	19.25826	0.1804057	0.22883086	2.6472380	20	4 25.2	20.8
225927 2002 AU_{138}	16.5	X	84.44843	110.82783	60.34252	3.01666	0.1763444	0.23199865	2.6230853	20	7 5.5	20.1
225928 2002 AM_{140}	17.2	X	172.26755	349.08018	111.91135	5.12459	0.2515195	0.24051129	2.5608201	20	7 2.8	21.6
225929 2002 AQ_{144}	16.4	X	73.58430	263.98104	283.37103	2.96018	0.0644479	0.23489834	2.6014536	20	6 25.8	19.7
225930 2002 AL_{161}	16.5	X	203.18570	113.69169	295.89024	3.45314	0.2502467	0.23681786	2.5873772	20	5 23.4	21.0
225931 2002 AS_{170}	16.4	X	211.62086	90.43659	26.38758	2.08265	0.0957204	0.24606566	2.5221372	20	9 7.5	20.0
225932 2002 AT_{170}	16.6	X	266.74596	313.07115	100.56273	7.71784	0.1907373	0.24723672	2.5141667	20	8 9.4	19.7
225933 2002 AJ_{171}	16.0	X	198.24421	296.89189	115.00333	7.64076	0.0491383	0.23473882	2.6026320	20	5 30.8	19.8
225934 2002 AT_{175}	16.6	X	194.24274	80.30069	343.27077	3.77403	0.1898322	0.23703750	2.5857786	20	6 4.1	20.9
225935 2002 AV_{175}	16.7	X	71.20305	117.33355	55.18050	2.96581	0.1020342	0.23086986	2.6316283	20	6 7.4	20.1
225936 2002 AT_{176}	16.1	X	128.47397	330.91976	99.45828	4.20850	0.0366498	0.22567611	2.6718515	20	3 31.2	19.8
225937 2002 AA_{180}	16.7	X	267.59851	72.20857	86.45576	24.44421	0.1208364	0.36546197	1.9374980	20	—	—
225938 2002 AV_{184}	16.2	X	239.75278	294.61909	99.38706	14.12717	0.1796402	0.24486129	2.5304006	20	6 11.9	20.0
225939 2002 AH_{185}	16.5	X	87.20276	106.42170	302.40883	3.94431	0.1165418	0.22013599	2.7164936	20	1 20.2	19.9
225940 2002 AE_{187}	15.8	X	96.85454	26.33583	96.95987	22.72966	0.0938694	0.22920613	2.6443477	20	5 14.4	19.8
225941 2002 AQ_{198}	15.5	X	264.91516	212.38717	84.09047	14.73076	0.0897188	0.22650342	2.6653416	20	3 23.8	19.6
225942 2002 AK_{202}	16.6	X	155.42902	157.79982	259.98784	2.65228	0.1502869	0.23024658	2.6363754	20	4 21.6	20.6
225943 2002 AM_{203}	16.7	X	130.95888	331.33120	120.55513	3.07758	0.0540539	0.23067768	2.6330897	20	5 2.4	20.3
225944 2002 BX_{3}	15.6	X	92.15098	158.93774	15.48690	8.80186	0.1887821	0.23452425	2.6042192	20	7 23.1	19.5
225945 2002 BE_{21}	16.1	X	118.24051	116.61311	6.55446	31.37533	0.2355324	0.23132274	2.6281924	20	6 8.8	21.0
225946 2002 BT_{23}	15.9	X	110.74832	120.85498	339.44485	13.88242	0.0637769	0.22906282	2.6454505	20	4 11.5	19.7
225947 2002 BN_{27}	16.2	X	138.53030	123.56060	22.87258	5.59564	0.2398304	0.23763646	2.5814318	20	8 3.6	20.6
225948 2002 BJ_{29}	16.1	X	142.93080	29.05934	62.33802	8.22469	0.1562479	0.23189272	2.6238840	20	5 23.2	20.1
225949 2002 BT_{29}	15.8	X	55.38811	160.82002	8.99012	11.72345	0.1251453	0.22951519	2.6419733	20	5 10.2	19.2
225950 2002 CC_{2}	16.1	X	239.09411	78.90669	337.51785	10.36132	0.1731043	0.24248466	2.5469077	20	7 12.7	19.9
225951 2002 CF_{5}	16.2	X	93.08397	153.96976	344.09769	3.90081	0.0253237	0.22931803	2.6434874	20	5 8.1	19.8
225952 2002 CO_{5}	16.4	X	127.97750	121.36180	333.44951	3.24757	0.1392246	0.22969669	2.6405814	20	5 9.5	20.4
225953 2002 CK_{24}	15.5	X	47.49176	255.54038	274.10471	13.59775	0.0598576	0.22704027	2.6611384	20	4 17.5	19.2
225954 2002 CD_{27}	16.6	X	194.56270	62.85583	7.04231	4.26381	0.2047989	0.23827119	2.5768454	20	6 12.2	20.9
225955 2002 CK_{27}	16.8	X	191.15469	46.92613	21.24963	4.85673	0.2396777	0.23808887	2.5781607	20	6 6.2	21.3
225956 2002 CG_{31}	16.1	X	154.14041	118.41861	344.07723	11.22322	0.1525954	0.23470963	2.6028478	20	6 17.1	20.5
225957 2002 CT_{33}	16.6	X	168.69102	25.91134	78.79867	6.70581	0.2405997	0.23689380	2.5868242	20	7 4.7	21.1
225958 2002 CL_{60}	16.2	X	148.12991	15.63828	56.90885	5.23350	0.1526463	0.23118424	2.6292421	20	5 4.6	20.2
225959 2002 CM_{62}	16.2	X	145.79634	83.92037	54.51141	8.50378	0.1528288	0.23674743	2.5878903	20	7 27.7	20.4
225960 2002 CY_{64}	16.5	X	152.05662	7.02847	89.95573	10.23390	0.1663498	0.23349198	2.6118891	20	6 9.2	20.8
225961 2002 CC_{71}	16.5	X	144.98158	300.94869	134.47286	2.23653	0.0978708	0.22912809	2.6449481	20	5 1.4	20.3
225962 2002 CN_{87}	16.5	X	25.31030	191.18865	13.10089	3.04804	0.0423541	0.22821124	2.6520275	20	5 5.2	19.7
225963 2002 CQ_{89}	15.6	X	102.91984	268.92057	340.97312	10.29562	0.0886657	0.19110357	2.9850860	20	10 16.4	20.3
225964 2002 CG_{96}	16.2	X	66.66029	334.91599	140.93815	5.38718	0.0653712	0.22043190	2.7140620	20	3 12.4	19.5
225965 2002 CM_{100}	16.1	X	99.14552	330.61593	154.29922	9.22989	0.1314025	0.22670751	2.6637417	20	5 18.6	20.0
225966 2002 CK_{104}	16.0	X	130.13952	358.82707	129.18490	4.93264	0.2045808	0.23158288	2.6262239	20	6 29.9	20.4
225967 2002 CS_{113}	16.4	X	207.32060	268.22539	118.15859	10.72857	0.1795660	0.23306885	2.6150494	20	5 5.3	20.8
225968 2002 CF_{116}	16.0	X	105.81938	142.56936	316.22020	2.71211	0.0605864	0.22521383	2.6755065	20	4 8.2	19.7
225969 2002 CJ_{116}	16.3	X	116.55655	43.45916	336.65876	3.73230	0.0812165	0.21199297	2.7856192	20	1 19.3	20.1
225970 2002 CD_{121}	16.5	X	185.99086	236.73226	193.86905	3.41114	0.1711672	0.23614308	2.5923038	20	6 6.9	20.7
225971 2002 CL_{135}	16.1	X	196.62859	62.97259	293.52806	5.10373	0.0579747	0.22404923	2.6847700	20	3 14.1	20.0
225972 2002 CB_{141}	16.5	X	214.65871	213.13249	244.45618	4.27947	0.2255963	0.24299123	2.5433667	20	8 1.9	20.6
225973 2002 CR_{142}	16.7	X	120.65330	160.89425	278.93702	2.25454	0.1286639	0.22815865	2.6524350	20	4 11.0	20.4
225974 2002 CG_{160}	16.5	X	168.14235	47.36428	52.63968	4.31711	0.1418907	0.23705592	2.5856447	20	6 27.5	20.6
225975 2002 CW_{160}	16.1	X	111.37491	139.41719	339.18190	11.55499	0.1447277	0.23108671	2.6299817	20	5 20.3	20.2
225976 2002 CU_{164}	16.1	X	163.95415	55.75219	2.94169	7.82481	0.1177422	0.22989551	2.6390587	20	4 28.1	20.3
225977 2002 CP_{180}	15.9	X	194.96404	1.58875	330.76374	7.07056	0.0938732	0.22101729	2.7092675	20	2 15.1	19.9
225978 2002 CF_{186}	16.8	X	42.80483	94.72075	97.49703	3.58115	0.1316094	0.22798169	2.6538074	20	5 26.9	19.8
225979 2002 CP_{189}	16.6	X	200.32120	342.44652	47.80189	3.48102	0.1006879	0.23203776	2.6227905	20	5 1.7	20.3
225980 2002 CL_{196}	15.7	X	190.50349	16.64738	336.91990	10.52164	0.0880006	0.22270180	2.6955883	20	3 5.8	19.7
225981 2002 CQ_{215}	15.9	X	165.09883	226.19668	154.08435	9.57558	0.0899643	0.22085413	2.7106016	20	3 14.8	19.9
225982 2002 CR_{222}	16.3	X	1.29682	8.82231	168.93830	5.41111	0.0935683	0.21984663	2.7188767	20	2 22.1	19.3
225983 2002 CH_{225}	16.1	X	172.62233	197.01953	152.08010	6.71975	0.0414649	0.21625861	2.7488673	20	2 9.1	20.1
225984 2002 CJ_{228}	12.5	X	50.71577	26.87344	277.83104	9.09335	0.0069832	0.08432312	5.1503680	20	9 24.9	19.5
225985 2002 CP_{235}	15.4	X	106.81710	39.75074	177.08080	9.76962	0.2469620	0.18546245	3.0453138	20	9 27.2	20.6
225986 2002 CY_{237}	16.0	X	236.01277	109.60172	289.68866	10.42829	0.2914276	0.23979908	2.5658881	20	6 3.5	20.4
225987 2002 CT_{251}	15.8	X	9.64085	243.74459	315.05927	12.60669	0.1004029	0.22602963	2.6690649	20	3 28.1	19.1
225988 2002 CC_{254}	16.4	X	158.87934	111.16461	303.70366	3.37319	0.0949805	0.22974272	2.6402287	20	4 17.4	20.4
225989 2002 CE_{259}	15.9	X	220.08039	40.76967	60.02945	6.08902	0.2321830	0.24241965	2.5473630	20	8 14.5	20.0
225990 2002 CM_{259}	16.1	X	109.59725	160.39071	298.89360	10.96039	0.1393554	0.22644022	2.6658374	20	4 20.7	20.2
225991 2002 CK_{261}	16.2	X	188.74533	3.98855	120.31270	5.80969	0.1614833	0.24050695	2.5608509	20	8 18.4	20.3
225992 2002 CL_{289}	16.1	X	57.72721	46.66323	84.63868	12.52116	0.1399014	0.22422245	2.6833870	20	4 4.2	19.5
225993 2002 CF_{309}	12.8	X	334.12231	248.67052	138.59176	10.07594	0.0196716	0.08318061	5.1974220	20	10 7.6	19.7
225994 2002 CF_{310}	16.4	X	140.40606	233.15220	255.67456	3.68316	0.1000310	0.23378987	2.6096700	20	7 4.3	20.2
225995 2002 DS	16.6	X	128.74787	92.40799	317.00361	4.15141	0.0273045	0.22101475	2.7092882	20	2 29.5	20.4
225996 2002 DO_{6}	15.8	X	62.03572	289.69349	156.66698	13.34239	0.0620980	0.21619405	2.7494145	20	1 25.1	19.4
225997 2002 DO_{7}	16.2	X	116.32230	94.40521	37.23267	13.15764	0.2126402	0.23328401	2.6134412	20	6 21.4	20.5
225998 2002 DA_{8}	15.6	X	358.61477	144.08852	50.37346	13.42993	0.1169907	0.22231223	2.6987365	20	3 18.0	18.9
225999 2002 DU_{8}	15.8	X	158.13318	7.41942	69.33660	15.60856	0.2022809	0.23267298	2.6180147	20	5 22.2	20.1
226000 2002 DK_{11}	15.2	X	167.29552	222.59193	158.92066	28.24003	0.1442796	0.22291918	2.6938357	20	3 22.4	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226001 2002 DT_{11}	15.6	X	147.39983	204.91508	266.03060	12.15537	0.2080758	0.23373752	2.6100597	20	6 23.8	19.9
226002 2002 DK_{12}	15.4	X	305.40027	133.49006	94.52710	13.70505	0.1533767	0.21457138	2.7632585	20	2 1.3	19.3
226003 2002 DG_{20}	16.5	X	270.13622	219.47016	24.95846	4.18239	0.0212592	0.21353689	2.7721759	20	1 27.7	20.3
226004 2002 EB	15.5	X	196.54770	36.79396	62.40751	29.36995	0.1035668	0.23951881	2.5678893	20	8 1.6	20.0
226005 2002 EP_{14}	13.2	X	259.36390	256.20281	204.30066	7.37498	0.0396094	0.08406701	5.1608232	20	9 27.4	20.1
226006 2002 EZ_{18}	16.8	X	161.95084	156.62387	168.78654	4.45130	0.0672746	0.21131196	2.7916009	20	1 2.2	20.8
226007 2002 ED_{19}	15.5	X	18.56246	269.73176	264.13560	10.66106	0.1388439	0.22057134	2.7129180	20	3 10.4	18.7
226008 2002 EM_{32}	16.2	X	317.53530	162.23225	36.11440	3.72286	0.0129617	0.21441838	2.7645729	20	1 30.1	20.0
226009 2002 ES_{45}	16.0	X	328.21918	112.36706	68.38021	4.94229	0.0368163	0.21348890	2.7725913	20	1 18.2	19.7
226010 2002 EF_{50}	16.0	X	186.34274	1.88163	345.08369	5.43097	0.0266935	0.21740339	2.7392091	20	2 22.6	19.7
226011 2002 EX_{52}	16.5	X	102.64169	318.57714	137.87201	4.58333	0.1602944	0.22383340	2.6864956	20	4 18.9	20.3
226012 2002 EG_{58}	15.8	X	48.03522	313.29063	187.85169	8.84544	0.1095540	0.22042030	2.7141572	20	3 21.2	19.0
226013 2002 ER_{61}	15.7	X	321.00399	251.24968	185.92535	10.22861	0.0192956	0.19711887	2.9240441	20	12 8.5	19.8
226014 2002 EG_{80}	15.8	X	263.58171	219.40678	4.32998	8.77229	0.0825564	0.20967351	2.8061250	20	—	—
226015 2002 EB_{84}	16.5	X	334.14092	61.58179	140.60540	2.94871	0.1676772	0.21667428	2.7453505	20	2 3.4	19.6
226016 2002 EN_{84}	15.8	X	271.83527	30.40975	104.06514	3.08332	0.0474349	0.19820717	2.9133308	20	12 12.8	19.7
226017 2002 EM_{94}	16.4	X	71.01762	111.20524	0.04988	4.27937	0.0741108	0.21986295	2.7187421	20	3 12.7	19.6
226018 2002 EQ_{102}	15.8	X	353.65636	232.67573	311.19040	8.57051	0.1375932	0.21716514	2.7412121	20	2 13.8	18.8
226019 2002 EV_{105}	16.3	X	201.04984	151.19580	18.16020	8.95257	0.0822848	0.24615858	2.5215025	20	11 1.7	19.8
226020 2002 EN_{110}	16.1	X	347.59959	130.69282	37.45314	8.52453	0.1412319	0.21355296	2.7720367	20	1 17.2	19.5
226021 2002 EC_{112}	16.3	X	186.35947	246.72873	16.44299	6.32768	0.0253875	0.20358237	2.8618219	20	—	—
226022 2002 EX_{112}	13.5	X	355.59231	348.44611	19.33712	5.91194	0.0819597	0.08283217	5.2119874	20	10 8.7	19.8
226023 2002 EY_{115}	15.5	X	30.41271	132.12923	30.61332	13.94585	0.1352613	0.21884026	2.7272057	20	3 28.2	18.5
226024 2002 EG_{123}	16.5	X	51.69131	251.37651	229.50691	4.30490	0.0783524	0.21761784	2.7374092	20	2 24.4	19.9
226025 2002 EA_{125}	16.0	X	195.96096	336.94760	19.04695	5.16744	0.0611286	0.22058796	2.7127817	20	3 16.8	19.9
226026 2002 EA_{127}	15.5	X	60.46894	350.62137	344.66824	13.32833	0.0755222	0.19894351	2.9061377	20	12 14.8	19.9
226027 2002 EK_{127}	12.7	X	301.41072	62.65425	352.85787	31.10308	0.0909755	0.08298046	5.2057760	20	9 18.6	19.3
226028 2002 ED_{128}	16.6	X	353.95326	103.96449	110.41211	1.23218	0.0077832	0.22352227	2.6889879	20	4 5.8	20.1
226029 2002 EQ_{141}	16.2	X	308.35062	191.08683	21.63595	3.44638	0.0178987	0.21539145	2.7562403	20	2 4.7	19.9
226030 2002 ER_{153}	13.4	X	274.22286	259.25577	182.43551	9.45116	0.1236611	0.08194044	5.2497325	20	9 12.2	20.3
226031 2002 FX_{8}	16.2	X	91.39493	151.57899	335.49155	13.25455	0.2004468	0.22514928	2.6760178	20	5 14.2	20.2
226032 2002 FN_{16}	15.7	X	121.79945	84.46897	58.64001	12.91721	0.1882081	0.22964500	2.6409776	20	7 11.0	20.0
226033 2002 FR_{18}	13.5	X	33.63376	176.36671	149.45714	2.19886	0.0898610	0.08387505	5.1686943	20	10 12.4	20.0
226034 2002 FH_{29}	16.0	X	103.61125	117.21404	109.18076	6.47766	0.0865426	0.23897156	2.5718081	20	10 2.0	19.7
226035 2002 FR_{29}	16.3	X	80.01340	19.50875	93.02419	5.72790	0.1711855	0.22208619	2.7005673	20	4 13.5	19.8
226036 2002 FC_{32}	12.9	X	283.48644	40.43655	46.69940	10.41017	0.0288226	0.08332182	5.1915483	20	10 14.5	19.7
226037 2002 FZ_{35}	15.6	X	127.24084	50.24278	76.34924	13.52157	0.2093283	0.22992937	2.6387996	20	6 25.4	19.9
226038 2002 FW_{38}	16.5	X	126.40095	37.55251	76.18029	3.80630	0.1661980	0.22906941	2.6453998	20	6 5.1	20.5
226039 2002 GB_{13}	15.1	X	126.57937	221.07778	199.86348	35.41569	0.1639985	0.21934198	2.7230453	20	3 29.5	19.4
226040 2002 GF_{18}	15.6	X	339.18470	102.76591	22.42923	15.01353	0.0982230	0.20443013	2.8539045	20	—	—
226041 2002 GJ_{35}	16.7	X	222.36504	127.42391	94.27180	23.79057	0.0579283	0.36812195	1.9281534	20	—	—
226042 2002 GE_{44}	16.3	X	171.44223	268.27922	204.42563	2.85154	0.1682426	0.23280579	2.6170190	20	7 16.1	20.6
226043 2002 GD_{57}	17.3	X	273.09818	44.44281	5.02475	18.32872	0.1135898	0.35083617	1.9909781	20	9 14.7	18.9
226044 2002 GE_{66}	15.4	X	165.54435	188.52944	77.72380	3.20176	0.0457272	0.19683450	2.9268597	20	—	—
226045 2002 GA_{72}	15.8	X	37.12614	128.33092	25.21728	13.95786	0.1419341	0.21849568	2.7300723	20	3 27.3	18.8
226046 2002 GV_{75}	17.8	X	237.33679	33.49846	252.23884	2.47315	0.2288118	0.31562355	2.1364355	20	1 15.6	21.2
226047 2002 GL_{85}	15.8	X	318.80406	105.68161	104.64673	4.86051	0.0362474	0.21287585	2.7779118	20	2 12.7	19.4
226048 2002 GO_{88}	15.4	X	61.47206	95.68038	60.83543	16.59104	0.1013846	0.21973137	2.7198274	20	5 5.2	18.8
226049 2002 GC_{89}	15.3	X	54.24023	220.65464	96.34450	17.27052	0.1888193	0.18240746	3.0792219	20	11 30.6	19.9
226050 2002 GT_{112}	16.2	X	265.92755	46.75684	143.29459	5.03690	0.2188414	0.20144018	2.8820752	20	—	—
226051 2002 GC_{113}	15.0	X	41.82872	197.72293	91.84777	9.31877	0.2751360	0.17852167	3.1237439	20	10 26.2	19.3
226052 2002 GW_{116}	15.0	X	126.60461	280.25186	40.76916	17.51536	0.1529795	0.19695393	2.9256764	20	—	—
226053 2002 GD_{118}	12.8	X	354.56845	274.65684	112.12069	9.52405	0.0515355	0.08288133	5.2099263	20	10 31.5	19.5
226054 2002 GP_{128}	15.2	X	40.55155	304.32150	0.43006	10.84651	0.2877901	0.18056258	3.1001607	20	11 6.7	19.6
226055 2002 GK_{134}	16.2	X	7.77590	177.63325	344.20552	2.87798	0.0288312	0.21352923	2.7722421	20	2 16.2	19.8
226056 2002 GC_{137}	14.6	X	49.83884	70.59767	222.28253	25.90333	0.1899996	0.17987665	3.1080371	20	10 23.2	19.0
226057 2002 GG_{138}	15.8	X	49.38646	100.01091	31.57929	9.57113	0.0992207	0.21431436	2.7654674	20	3 14.8	19.2
226058 2002 GO_{145}	15.9	X	121.74974	38.41459	220.38407	4.78574	0.0987397	0.18870722	3.0103041	20	11 20.0	20.5
226059 2002 GN_{148}	16.3	X	309.67899	287.92264	265.97618	2.47353	0.0333224	0.20958925	2.8068770	20	1 11.2	20.2
226060 2002 GV_{160}	16.4	X	13.43357	25.55177	115.82709	4.46564	0.0983953	0.21286408	2.7780142	20	1 25.9	19.6
226061 2002 GT_{164}	15.8	X	39.19773	314.77263	206.24622	13.52228	0.1488815	0.21783283	2.7356077	20	4 6.8	18.8
226062 2002 GN_{169}	15.9	X	0.58202	235.58241	295.66011	3.94790	0.1010153	0.21297567	2.7770438	20	2 12.6	19.1
226063 2002 GJ_{171}	16.3	X	301.11325	13.18724	204.44777	8.91676	0.1136238	0.21133523	2.7913960	20	1 16.5	20.3
226064 2002 GU_{184}	15.9	X	74.75777	102.23741	224.76725	8.84215	0.0124987	0.19060037	2.9903376	20	12 12.2	20.1
226065 2002 HE_{9}	15.8	X	357.38797	110.74914	58.46266	10.26700	0.1680413	0.21352305	2.7722956	20	2 2.7	19.0
226066 2002 HK_{9}	15.6	X	187.10370	116.09906	158.11625	9.95313	0.1919414	0.19829247	2.9124953	20	—	—
226067 2002 HQ_{14}	12.9	X	240.16237	112.42312	19.95277	7.52168	0.0345163	0.08174157	5.2582441	20	10 13.1	19.9
226068 2002 JC_{18}	15.5	X	84.80602	246.31782	37.65851	11.32263	0.1020962	0.18427357	3.0583981	20	11 10.3	20.0
226069 2002 JX_{41}	15.5	X	94.13849	64.25389	203.57338	12.70499	0.2553952	0.18388334	3.0627235	20	11 16.0	20.7
226070 2002 JQ_{68}	15.4	X	125.18462	56.91700	64.08710	12.35511	0.1380067	0.22895684	2.6462669	20	6 9.8	19.5
226071 2002 JR_{85}	15.9	X	99.09386	58.68687	241.94024	4.11861	0.0407187	0.18944700	3.0024623	20	12 11.7	20.2
226072 2002 JW_{102}	15.0	X	34.89779	226.66253	77.20474	12.31652	0.2480459	0.17468046	3.1693716	20	10 30.3	19.2
226073 2002 JA_{103}	15.3	X	8.77745	82.33694	71.67556	14.11883	0.0897377	0.20915705	2.8107424	20	2 9.9	19.0
226074 2002 JD_{108}	15.7	X	325.82971	171.72112	105.69731	15.93099	0.0599272	0.22237492	2.6982293	20	5 21.4	19.3
226075 2002 JM_{128}	15.7	X	186.66131	28.23000	199.05897	10.11420	0.0461434	0.19186116	2.9772228	20	12 20.9	20.2
226076 2002 JZ_{137}	15.7	X	72.13669	306.43964	41.15664	10.64574	0.0991900	0.19096618	2.9865176	20	—	—
226077 2002 JD_{138}	18.1	X	220.57739	60.96329	225.16965	2.63782	0.1696867	0.31268710	2.1497902	20	1 2.8	21.2
226078 2002 KG_{16}	14.9	X	137.16312	161.00648	98.88739	15.83703	0.1538556	0.18114348	3.0935294	20	12 7.2	20.0
226079 2002 LO	15.2	X	38.31016	73.67051	229.94157	25.27127	0.2659085	0.17518476	3.1632863	20	11 1.3	19.5
226080 2002 LT_{14}	15.2	X	71.86116	240.46854	60.47415	9.91989	0.0846090	0.18183854	3.0856413	20	11 15.3	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226081 2002 LL_{17}	14.9	X	44.09466	72.74795	241.74248	14.98479	0.2305166	0.17728363	3.1382699	20	11 17.4	19.1
226082 2002 LQ_{20}	17.2	X	156.84025	209.26426	77.92456	6.62192	0.2705613	0.29912413	2.2142930	20	—	—
226083 2002 LW_{21}	14.2	X	341.28474	288.58856	63.27290	26.83790	0.2487263	0.17257636	3.1950808	20	10 3.7	17.9
226084 2002 LB_{34}	15.2	X	344.28999	343.63934	89.54872	13.85845	0.0151063	0.18966428	3.0001688	20	12 30.0	19.2
226085 2002 LN_{51}	15.7	X	154.08923	67.14074	207.93232	9.72086	0.0978860	0.19116061	2.9844922	20	—	—
226086 2002 LG_{52}	15.3	X	155.64671	167.76662	120.00762	11.67726	0.0343675	0.19394286	2.9558804	20	—	—
226087 2002 NM_{26}	17.0	X	83.14262	174.92116	158.17480	4.04675	0.2659798	0.29006708	2.2601491	20	—	—
226088 2002 NX_{45}	16.9	X	283.87710	330.37225	279.13594	3.08591	0.0377902	0.31272500	2.1496165	20	2 1.2	19.2
226089 2002 NA_{57}	17.2	X	112.97012	34.87537	325.60828	3.48984	0.1436479	0.29919839	2.2139266	20	—	—
226090 2002 NQ_{60}	15.7	X	74.44829	38.10767	234.96190	7.35161	0.1460785	0.17189835	3.2034768	20	10 19.9	20.4
226091 2002 OX_{5}	14.9	X	202.42870	311.89417	263.43714	11.53843	0.0691556	0.18344337	3.0676186	20	12 20.1	19.3
226092 2002 OC_{10}	17.2	X	138.69797	68.50499	246.80551	5.50881	0.1828487	0.29714079	2.2241353	20	—	—
226093 2002 OG_{13}	14.9	X	182.11619	353.86835	265.89242	13.23540	0.1547357	0.18810387	3.0167378	20	—	—
226094 2002 OS_{15}	15.0	X	126.18508	343.98913	267.47029	13.77908	0.0385475	0.17547306	3.1598205	20	11 8.1	19.8
226095 2002 OU_{16}	15.1	X	10.58957	89.58579	249.12450	8.20860	0.1071744	0.17108543	3.2136163	20	10 10.3	19.3
226096 2002 OP_{17}	17.3	X	212.09193	49.21879	216.87235	6.03315	0.1537416	0.30276554	2.1965028	20	—	—
226097 2002 OM_{26}	15.2	X	86.10974	263.21365	18.85765	8.93488	0.0676894	0.17502124	3.1652563	20	11 3.2	19.9
226098 2002 PE_{4}	15.2	X	130.24715	5.95739	230.11700	8.49752	0.0468512	0.17544524	3.1601545	20	10 27.1	20.0
226099 2002 PV_{19}	17.1	X	64.16752	290.55111	150.40482	4.20540	0.1073140	0.30472255	2.1870883	20	1 6.4	18.9
226100 2002 PO_{20}	15.9	X	61.44777	18.64359	303.40473	3.29773	0.1077509	0.17636238	3.1491891	20	11 29.4	20.4
226101 2002 PL_{32}	16.9	X	310.48984	85.93425	162.15877	3.98932	0.1445439	0.31554868	2.1367734	20	2 18.9	19.3
226102 2002 PS_{36}	17.2	X	93.07663	232.24473	158.17374	8.02517	0.1478360	0.29911878	2.2143194	20	—	—
226103 2002 PW_{47}	17.3	X	116.56011	101.44681	232.37451	5.68755	0.1858502	0.29477117	2.2360390	20	—	—
226104 2002 PO_{57}	16.3	X	94.84559	46.25156	324.11743	5.87996	0.1938879	0.29459494	2.2369307	20	—	—
226105 2002 PV_{66}	17.4	X	98.22563	209.27562	142.63431	4.89906	0.1303905	0.29691561	2.2252597	20	—	—
226106 2002 PN_{79}	17.2	X	69.79759	344.10431	11.82249	6.05660	0.2053896	0.29088861	2.2558917	20	—	—
226107 2002 PZ_{90}	16.8	X	106.61362	261.84215	96.77595	6.12216	0.2240571	0.29693541	2.2251607	20	—	—
226108 2002 PV_{97}	16.7	X	123.97003	319.51054	8.86804	8.26776	0.2359859	0.29597700	2.2299617	20	—	—
226109 2002 PU_{98}	16.9	X	133.89828	207.01991	135.83050	7.20937	0.1584959	0.29899067	2.2149518	20	—	—
226110 2002 PZ_{117}	15.6	X	57.44985	39.55620	270.70168	8.32945	0.0181576	0.17365430	3.1818450	20	10 26.6	20.3
226111 2002 PH_{120}	14.8	X	346.55101	98.88711	299.81947	10.92301	0.2808801	0.17160806	3.2070884	20	12 3.8	18.0
226112 2002 PJ_{128}	16.9	X	176.96382	273.76209	44.61941	5.30650	0.1433623	0.30222609	2.1991157	20	1 2.5	19.9
226113 2002 PZ_{129}	16.8	X	144.64968	224.73405	84.46362	7.47652	0.1533805	0.29630616	2.2283099	20	—	—
226114 2002 PD_{133}	17.2	X	164.66217	21.57236	313.88702	4.35579	0.1334355	0.30479512	2.1867412	20	1 10.2	20.2
226115 2002 PF_{157}	14.9	X	281.12336	315.27941	135.74818	15.08551	0.2292717	0.17266257	3.1940172	20	10 6.5	19.2
226116 2002 PE_{168}	17.6	X	60.11963	34.04253	60.41560	2.63109	0.0737793	0.30492112	2.1861387	20	1 18.2	19.6
226117 2002 PA_{181}	15.6	X	164.06967	188.26779	17.86823	5.01377	0.1913376	0.17771332	3.1332092	20	10 26.0	20.9
226118 2002 PB_{182}	15.9	X	126.20055	184.01975	67.63843	2.80797	0.0338430	0.17600945	3.1533976	20	11 10.8	20.4
226119 2002 PN_{182}	16.9	X	336.52161	35.20661	14.29979	5.57035	0.1471814	0.28377791	2.2934203	20	12 30.2	19.0
226120 2002 PP_{190}	18.2	X	155.12110	277.94308	42.61237	4.71973	0.1145788	0.30115340	2.2043347	20	—	—
226121 2002 QG_{4}	15.5	X	330.86950	87.68161	312.13868	5.06153	0.1029822	0.17127205	3.2112815	20	10 26.7	19.6
226122 2002 QH_{59}	17.6	X	323.69654	72.68213	26.96701	4.21682	0.0419724	0.29130258	2.2537539	20	—	—
226123 2002 QY_{67}	15.3	X	298.32042	121.47998	309.33874	9.64487	0.1526563	0.17015303	3.2253455	20	10 7.2	19.6
226124 2002 QL_{68}	16.0	X	188.75392	60.05739	118.80699	3.51027	0.0750368	0.17247227	3.1963662	20	10 22.7	20.8
226125 2002 QM_{73}	17.7	X	213.04303	231.08875	28.97200	3.67194	0.0881902	0.30037988	2.2081174	20	—	—
226126 2002 RP_{14}	17.6	X	74.51585	15.94912	326.66162	0.95192	0.1940707	0.28874170	2.2670602	20	—	—
226127 2002 RQ_{17}	17.0	X	73.90932	25.91390	344.60378	3.08573	0.1862468	0.29166210	2.2519015	20	—	—
226128 2002 RU_{19}	17.1	X	99.68946	188.83733	151.48969	6.44541	0.2137231	0.29201617	2.2500808	20	—	—
226129 2002 RG_{22}	17.4	X	44.05461	67.87952	353.91737	4.01681	0.1342433	0.29435583	2.2381419	20	—	—
226130 2002 RM_{33}	17.2	X	59.74948	144.48755	209.02525	1.89423	0.1870640	0.28771897	2.2724293	20	—	—
226131 2002 RA_{44}	16.8	X	115.02974	327.86253	5.24357	4.82314	0.2562250	0.29463621	2.2367218	20	—	—
226132 2002 RK_{77}	17.0	X	67.08655	69.84480	340.31145	6.18219	0.0664409	0.29691490	2.2252632	20	—	—
226133 2002 RF_{79}	17.8	X	72.83894	224.71514	162.07848	3.39597	0.2182149	0.29294685	2.2453126	20	—	—
226134 2002 RG_{79}	17.0	X	64.78021	4.17342	354.88302	4.79483	0.1516374	0.28906260	2.2653820	20	—	—
226135 2002 RQ_{87}	16.9	X	60.03308	355.74033	7.95299	4.03276	0.1855561	0.28773185	2.2723615	20	—	—
226136 2002 RV_{93}	17.3	X	34.14718	142.67274	241.27972	3.56097	0.2395070	0.28600631	2.2814921	20	—	—
226137 2002 RS_{98}	16.5	X	311.63778	131.06896	255.91267	5.16701	0.1606891	0.27501064	2.3419074	20	9 25.5	18.6
226138 2002 RK_{123}	16.7	X	77.05593	211.15491	124.18935	6.46725	0.2128374	0.28803359	2.2707742	20	—	—
226139 2002 RQ_{123}	17.3	X	35.19852	255.24329	111.01555	4.43544	0.2092844	0.28415342	2.2913994	20	—	—
226140 2002 RN_{134}	16.9	X	29.87837	279.08503	78.96607	7.28321	0.1486371	0.28306234	2.2972838	20	—	—
226141 2002 RG_{138}	16.8	X	350.51885	328.93983	51.98305	8.32324	0.2723864	0.27974827	2.3153915	20	—	—
226142 2002 RC_{145}	17.9	X	6.17891	229.53577	170.28949	0.32932	0.2078819	0.28393756	2.2925606	20	—	—
226143 2002 RN_{157}	16.9	X	93.26238	292.89619	310.50768	1.65070	0.1716274	0.27863948	2.3215299	20	10 21.7	20.3
226144 2002 RN_{170}	17.5	X	20.89700	7.08803	306.62795	3.97222	0.2297104	0.27860499	2.3217215	20	11 6.2	20.1
226145 2002 RZ_{173}	17.6	X	92.29698	78.07781	285.94472	3.16966	0.0667252	0.29455724	2.2371216	20	—	—
226146 2002 RY_{242}	17.6	X	80.11992	152.23273	218.71411	2.44441	0.1821437	0.29337633	2.2431208	20	—	—
226147 2002 RU_{247}	17.8	X	73.48344	252.65016	114.17471	7.86975	0.1880264	0.29218456	2.2492162	20	—	—
226148 2002 RP_{255}	15.2	X	115.75178	334.13086	263.82776	13.75431	0.1425584	0.17212515	3.2006621	20	10 16.1	20.5
226149 2002 RM_{259}	17.3	X	30.95791	66.81444	3.67185	7.70649	0.1092490	0.29391813	2.2403634	20	—	—
226150 2002 RC_{264}	18.0	X	138.26659	60.80531	211.19073	5.20496	0.1238919	0.28880099	2.2667499	20	—	—
226151 2002 SV_{3}	17.2	X	347.64311	307.21636	170.43962	3.87683	0.0922023	0.29240469	2.2480872	20	—	—
226152 2002 SO_{4}	17.4	X	33.91926	353.92896	31.40659	4.77038	0.1347513	0.28613340	2.2808165	20	—	—
226153 2002 SE_{7}	17.2	X	44.92124	219.44901	188.38617	7.13998	0.0955958	0.29061726	2.2572956	20	—	—
226154 2002 SD_{18}	17.0	X	326.32746	292.39870	179.64627	4.14553	0.0898353	0.28789510	2.2715024	20	—	—
226155 2002 SF_{21}	16.7	X	257.85736	41.75506	44.35777	2.89042	0.1687588	0.27253033	2.3560951	20	9 18.5	19.3
226156 2002 SP_{31}	16.6	X	122.06205	170.74396	130.01422	8.13879	0.1221540	0.28936049	2.2638270	20	—	—
226157 2002 SV_{37}	16.4	X	102.15350	115.76955	199.61735	6.62332	0.1401435	0.28709554	2.2757179	20	—	—
226158 2002 SP_{44}	16.9	X	53.11708	287.17719	24.52357	6.35591	0.2043144	0.28034136	2.3121248	20	12 10.7	20.2
226159 2002 SN_{45}	16.9	X	84.25923	110.95043	205.09141	1.25196	0.1785206	0.28504130	2.2866386	20	—	—
226160 2002 SW_{49}	16.7	X	67.77165	218.58465	144.84427	5.80847	0.1400441	0.28918523	2.2647415	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226161 2002 SM_{50}	17.0	X	82.99590	285.05879	55.72748	6.83244	0.1810769	0.28775088	2.2722613	20	—	—
226162 2002 TQ_{16}	16.6	X	65.40229	40.12954	353.07519	5.69913	0.1044378	0.29249953	2.2476013	20	—	—
226163 2002 TG_{20}	17.5	X	351.34014	218.25331	210.71499	3.94091	0.1592625	0.28446787	2.2897104	20	—	—
226164 2002 TC_{24}	17.2	X	46.21048	202.40284	188.19193	6.08276	0.1333407	0.28792736	2.2713327	20	—	—
226165 2002 TX_{43}	17.4	X	43.04404	223.51392	185.00032	2.28240	0.2060658	0.28819441	2.2699294	20	—	—
226166 2002 TY_{43}	16.9	X	46.27885	198.84359	196.71555	3.90871	0.1497211	0.28737584	2.2742378	20	—	—
226167 2002 TP_{46}	16.9	X	60.73067	174.86784	196.86126	7.41248	0.1613558	0.28675689	2.2775092	20	—	—
226168 2002 TY_{55}	16.9	X	80.83581	107.85151	215.74168	6.71752	0.1393063	0.28544119	2.2845024	20	—	—
226169 2002 TV_{58}	17.5	X	21.53926	261.25820	187.39972	7.43771	0.0544621	0.29378102	2.2410604	20	—	—
226170 2002 TM_{62}	16.5	X	95.11985	4.63253	345.93826	5.92046	0.1864904	0.29144260	2.2530320	20	—	—
226171 2002 TF_{71}	16.3	X	109.63388	30.05272	291.54927	6.92595	0.2391658	0.29073641	2.2566789	20	—	—
226172 2002 TJ_{71}	16.4	X	107.67488	14.50154	275.77004	6.25198	0.1304895	0.28457083	2.2891582	20	—	—
226173 2002 TU_{81}	16.9	X	49.50169	276.87510	120.08589	5.86848	0.1978430	0.28973534	2.2618740	20	—	—
226174 2002 TN_{88}	16.8	X	321.32834	231.02885	253.45494	5.31247	0.0867474	0.28816687	2.2700740	20	—	—
226175 2002 TP_{97}	16.8	X	236.50253	17.55786	260.21553	8.04934	0.0260231	0.30391887	2.1909423	20	1 10.9	19.6
226176 2002 TS_{103}	17.0	X	76.44506	80.53460	227.92999	4.68670	0.2700789	0.28473615	2.2882720	20	—	—
226177 2002 TS_{111}	16.8	X	118.83077	309.31246	23.00107	7.15729	0.1765565	0.29474729	2.2361598	20	—	—
226178 2002 TD_{134}	16.7	X	140.22838	14.90106	274.48408	5.30733	0.1058395	0.28981308	2.2614695	20	—	—
226179 2002 TS_{139}	16.9	X	287.77862	81.01994	307.32179	4.79136	0.2124456	0.26788255	2.3832692	20	8 2.2	19.2
226180 2002 TT_{154}	17.1	X	43.42184	153.12348	277.25599	5.79150	0.1369266	0.29523748	2.2336840	20	—	—
226181 2002 TD_{157}	16.7	X	141.02137	273.98308	102.05273	7.69246	0.1797405	0.30084004	2.2058651	20	2 13.7	19.7
226182 2002 TG_{189}	15.3	X	70.26728	107.34007	306.19389	6.89597	0.0228903	0.18590772	3.0404493	20	—	—
226183 2002 TH_{189}	16.3	X	70.23212	76.89332	297.26105	4.63156	0.2232221	0.29085961	2.2560416	20	—	—
226184 2002 TW_{195}	16.7	X	309.77074	145.21041	211.02133	5.53092	0.1459389	0.26729498	2.3867605	20	8 3.1	19.0
226185 2002 TW_{204}	17.1	X	20.52456	297.72964	112.26218	6.15287	0.1094864	0.28663296	2.2781657	20	—	—
226186 2002 TY_{222}	16.6	X	76.13503	320.75334	41.96228	6.49294	0.1863050	0.28765836	2.2727485	20	—	—
226187 2002 TZ_{228}	16.6	X	102.77531	164.24374	153.83768	6.86754	0.1369353	0.28726654	2.2748147	20	—	—
226188 2002 TH_{230}	16.6	X	107.93980	202.82541	111.12357	7.77232	0.1769844	0.29030596	2.2589091	20	—	—
226189 2002 TK_{252}	17.0	X	86.62889	256.16281	60.69498	5.33102	0.1413877	0.28570685	2.2830861	20	—	—
226190 2002 TL_{252}	17.3	X	85.91286	190.77916	153.11389	4.86107	0.1907678	0.28924554	2.2644267	20	—	—
226191 2002 TC_{257}	17.5	X	90.08497	180.42112	192.14966	2.67783	0.1709778	0.29159815	2.2522307	20	—	—
226192 2002 TZ_{280}	16.8	X	67.63909	348.63965	2.17779	8.22718	0.1484910	0.28551729	2.2840965	20	—	—
226193 2002 TY_{285}	16.4	X	93.28769	24.17441	330.33144	3.35735	0.2330276	0.28996146	2.2606979	20	—	—
226194 2002 TW_{337}	17.5	X	12.21176	3.50540	83.64186	3.53507	0.1226327	0.29039296	2.2584579	20	—	—
226195 2002 TW_{364}	17.2	X	9.60143	306.99797	89.44219	4.14482	0.1593488	0.28309226	2.2971220	20	—	—
226196 2002 TQ_{375}	18.1	X	41.26357	326.20502	80.33057	1.80522	0.0661374	0.29047051	2.2580559	20	—	—
226197 2002 TS_{375}	17.3	X	100.15558	136.04390	203.69298	6.28209	0.1436423	0.28926523	2.2643240	20	—	—
226198 2002 UN_{3}	18.8	X	153.33661	112.74457	27.98554	8.69429	0.2575056	0.42790682	1.7440941	20	8 22.3	21.4
226199 2002 UL_{10}	16.7	X	180.59888	250.46509	80.54123	8.83526	0.0742945	0.29884979	2.2156479	20	1 18.3	19.6
226200 2002 UJ_{21}	17.2	X	11.18949	54.92705	42.05090	7.26436	0.0596285	0.28994311	2.2607933	20	—	—
226201 2002 UH_{38}	16.8	X	2.91819	281.93645	174.15301	21.94549	0.3117950	0.28678386	2.2773664	20	—	—
226202 2002 VS_{2}	17.8	X	343.14982	238.86578	176.81536	2.04329	0.2063343	0.27958287	2.3163047	20	—	—
226203 2002 VQ_{10}	16.8	X	298.48265	197.84495	258.44230	5.65037	0.1673585	0.27685232	2.3315100	20	12 20.7	18.4
226204 2002 VX_{10}	16.7	X	53.33273	63.70334	258.42234	4.35634	0.2434411	0.27980749	2.3150648	20	12 28.6	20.0
226205 2002 VT_{12}	17.0	X	20.84903	163.53511	249.09324	5.60014	0.1690374	0.28458021	2.2891079	20	—	—
226206 2002 VP_{16}	16.3	X	201.57717	223.68930	26.19313	7.52710	0.0681607	0.28882208	2.2666395	20	—	—
226207 2002 VP_{20}	17.0	X	321.46343	177.21460	211.38553	6.14379	0.1228617	0.27250273	2.3562542	20	10 23.1	19.0
226208 2002 VL_{36}	16.1	X	262.24573	31.78135	79.18205	23.95430	0.2242980	0.26873471	2.3782283	20	11 1.2	19.2
226209 2002 VO_{36}	16.8	X	58.90492	148.72272	217.80507	5.57105	0.1331746	0.28511597	2.2862393	20	—	—
226210 2002 VQ_{45}	17.4	X	16.35360	77.78494	0.02510	2.25485	0.1132657	0.28716928	2.2753283	20	—	—
226211 2002 VV_{48}	17.6	X	348.17947	300.61234	129.25154	2.13165	0.1823587	0.28123801	2.3072078	20	—	—
226212 2002 VP_{49}	17.1	X	65.16935	219.20645	145.80455	4.00549	0.2481495	0.28584386	2.2823564	20	—	—
226213 2002 VR_{51}	17.2	X	41.37381	357.62346	85.99325	5.55222	0.2688261	0.29069346	2.2569012	20	—	—
226214 2002 VV_{58}	16.9	X	326.35755	221.85742	212.51972	5.51563	0.2131700	0.27698105	2.3307875	20	—	—
226215 2002 VX_{61}	16.9	X	49.57740	328.84103	25.77998	5.95092	0.1894352	0.28250835	2.3002861	20	—	—
226216 2002 VF_{63}	16.4	X	80.20156	349.33149	341.91290	4.76238	0.2328680	0.28467600	2.2885943	20	—	—
226217 2002 VX_{63}	16.6	X	17.43417	117.64933	271.40531	5.97594	0.1310006	0.28080608	2.3095731	20	—	—
226218 2002 VN_{66}	17.1	X	44.60853	334.77087	73.24964	3.51412	0.1610323	0.28787375	2.2716147	20	—	—
226219 2002 VT_{85}	17.9	X	48.06996	87.13982	256.01967	5.98766	0.4433406	0.28349534	2.2949441	20	—	—
226220 2002 VY_{93}	16.8	X	89.07818	343.77960	344.22646	2.73911	0.1930142	0.28425898	2.2908321	20	—	—
226221 2002 VJ_{94}	15.8	X	25.23329	342.19579	67.21074	9.69854	0.2300369	0.28187605	2.3037248	20	—	—
226222 2002 VW_{104}	16.4	X	124.23711	300.80335	24.20931	6.17515	0.1853629	0.28905823	2.2654049	20	—	—
226223 2002 VP_{106}	16.9	X	320.49528	179.76365	266.19266	5.70730	0.0915612	0.28025324	2.3126094	20	—	—
226224 2002 VV_{119}	16.0	X	39.26903	333.51958	65.40322	23.64855	0.1618858	0.28265965	2.2994652	20	—	—
226225 2002 VQ_{126}	16.6	X	35.19110	86.06908	292.93234	5.20164	0.1820307	0.28230460	2.3013928	20	—	—
226226 2002 VP_{131}	17.2	X	47.89939	106.12020	245.72063	0.92520	0.2397403	0.28283747	2.2985013	20	—	—
226227 2002 VV_{134}	16.8	X	166.72063	247.90852	85.90258	8.31570	0.1995671	0.29865515	2.2166104	20	1 17.7	20.1
226228 2002 VX_{135}	17.1	X	73.07460	177.74721	168.53603	3.06466	0.2318292	0.28534979	2.2849902	20	—	—
226229 2002 VL_{139}	16.7	X	260.94624	70.95167	65.83496	8.30553	0.0800058	0.27650273	2.3334747	20	12 18.0	19.1
226230 2002 VZ_{143}	17.6	X	47.17616	190.99184	184.42986	2.99858	0.0767450	0.28387111	2.2929183	20	—	—
226231 2002 WD_{6}	16.5	X	101.38654	327.54426	9.76088	7.71629	0.1442782	0.28762214	2.2729393	20	—	—
226232 2002 WV_{6}	16.9	X	51.89291	43.51581	292.96125	1.51879	0.2341566	0.28043141	2.3116298	20	—	—
226233 2002 WG_{20}	15.0	X	18.93377	223.91994	277.19591	1.62472	0.1694368	0.12512126	3.9589679	20	2 18.9	19.7
226234 2002 WV_{29}	17.7	X	67.85579	169.08833	197.51873	4.65673	0.1832840	0.28693621	2.2765602	20	—	—
226235 2002 WH_{30}	17.4	X	44.26805	280.41260	68.75622	7.17907	0.2317395	0.28046331	2.3114545	20	—	—
226236 2002 XZ_{13}	16.6	X	0.27193	325.58218	90.99273	7.64872	0.0990712	0.27972403	2.3155253	20	—	—
226237 2002 XQ_{14}	16.6	X	14.61389	49.02213	312.51212	9.43080	0.3188061	0.27692640	2.3310941	20	—	—
226238 2002 XC_{23}	16.2	X	75.47220	340.23492	1.11476	6.22808	0.1745382	0.28368376	2.2939277	20	—	—
226239 2002 XZ_{25}	17.0	X	283.10880	206.51447	266.91244	1.78542	0.1311168	0.27463809	2.3440248	20	12 16.5	19.2
226240 2002 XX_{31}	16.6	X	349.71151	136.96135	288.24473	5.86236	0.0925780	0.27934432	2.3176232	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226241 2002 XU_{42}	16.7	X	237.20059	297.68390	258.49171	6.20310	0.0593727	0.28167369	2.3048280	20	—	—
226242 2002 XQ_{43}	17.0	X	43.40180	57.34252	275.50706	5.37296	0.2403559	0.27736802	2.3286191	20	12 31.6	20.3
226243 2002 XC_{45}	16.6	X	344.26188	282.01369	114.16565	7.20940	0.1082917	0.27446943	2.3449850	20	12 15.8	19.1
226244 2002 XU_{48}	16.5	X	273.11538	246.15203	246.82193	4.75172	0.1524851	0.27577144	2.3375982	20	12 24.6	18.6
226245 2002 XV_{52}	16.8	X	296.25541	151.90341	293.63510	1.44763	0.1746325	0.27194463	2.3594769	20	11 25.7	18.7
226246 2002 XP_{60}	16.5	X	241.39409	264.14033	261.00734	6.71587	0.0519862	0.27655177	2.3331989	20	12 31.9	19.2
226247 2002 XV_{72}	16.4	X	36.73508	323.91540	54.77106	6.65895	0.1076339	0.28078635	2.3096813	20	—	—
226248 2002 XZ_{73}	16.9	X	12.82915	325.75639	52.97332	3.87183	0.1620623	0.27722914	2.3293968	20	—	—
226249 2002 XQ_{75}	16.2	X	89.62255	301.61517	62.57403	6.54223	0.1889443	0.28651790	2.2787755	20	—	—
226250 2002 XS_{115}	17.4	X	286.47066	196.85049	256.79021	1.72710	0.1382583	0.27206150	2.3588011	20	11 21.4	19.5
226251 2002 YS_{1}	16.4	X	294.16902	38.91908	79.38466	6.34074	0.1871638	0.27351525	2.3504356	20	—	—
226252 2002 YC_{3}	16.3	X	75.14497	178.60536	21.16870	15.08608	0.0571819	0.25246335	2.4793461	20	7 19.7	19.8
226253 2002 YV_{6}	16.6	X	274.69893	331.28710	112.44457	8.72127	0.1102915	0.26678392	2.3898076	20	10 23.9	19.4
226254 2002 YO_{8}	16.9	X	296.74240	340.86840	104.88904	4.79736	0.1936790	0.27227162	2.3575874	20	11 27.3	18.5
226255 2002 YE_{24}	16.5	X	113.08854	293.68413	91.75895	5.95714	0.1502566	0.29154076	2.2525263	20	1 17.9	19.0
226256 2002 YF_{25}	17.2	X	287.71535	290.49724	118.14637	3.09876	0.2047602	0.26580011	2.3957010	20	9 5.3	19.5
226257 2002 YZ_{31}	16.5	X	350.52959	87.91610	326.16919	2.87698	0.2352432	0.27510565	2.3413681	20	—	—
226258 2003 AH	16.4	X	11.30059	215.83098	216.44879	7.42070	0.2215706	0.28318805	2.2966039	20	—	—
226259 2003 AQ	15.9	X	140.18860	60.21598	114.30862	7.23006	0.1220924	0.25806728	2.4433223	20	9 8.0	19.6
226260 2003 AQ_{24}	16.5	X	32.30787	311.69187	88.14468	6.10039	0.1392399	0.28166176	2.3048931	20	—	—
226261 2003 AN_{25}	16.2	X	199.43179	76.54649	96.09246	5.60827	0.1846739	0.26662032	2.3907852	20	10 31.8	19.8
226262 2003 AD_{30}	17.3	X	244.07170	25.75711	115.62070	2.84420	0.1483073	0.26878322	2.3779422	20	11 17.2	20.0
226263 2003 AM_{32}	16.4	X	62.69141	100.59768	301.84378	4.38974	0.1560678	0.28596889	2.2816911	20	—	—
226264 2003 AS_{36}	16.9	X	27.93270	169.84267	242.03240	3.02338	0.2298779	0.28267149	2.2994010	20	—	—
226265 2003 AE_{49}	16.5	X	278.01926	168.90291	343.94880	3.54071	0.1413044	0.27579668	2.3374555	20	—	—
226266 2003 AM_{53}	17.6	X	269.95938	67.64887	71.73195	3.12842	0.1765623	0.27200033	2.3591547	20	12 23.5	19.7
226267 2003 AK_{54}	17.3	X	290.27784	118.15578	353.70354	2.45486	0.1679574	0.27219507	2.3580294	20	12 25.0	19.2
226268 2003 AN_{55}	16.4	X	353.09691	288.85990	98.82093	5.83282	0.2126376	0.27177392	2.3604648	20	—	—
226269 2003 AC_{57}	16.5	X	316.23713	17.50137	82.57656	6.06416	0.1959713	0.27473054	2.3434989	20	—	—
226270 2003 AW_{63}	16.9	X	266.82041	24.47855	113.31455	5.34469	0.0843300	0.27306644	2.3530103	20	12 27.5	19.2
226271 2003 AU_{66}	16.7	X	301.39004	298.14556	162.05128	6.84538	0.0569365	0.27257065	2.3558628	20	12 31.2	19.4
226272 2003 AC_{70}	17.4	X	208.30083	345.67543	139.10605	2.34137	0.1361862	0.26087162	2.4257805	20	9 11.5	20.8
226273 2003 AO_{70}	16.2	X	287.06856	132.85671	339.62514	6.80091	0.1110201	0.27264405	2.3554399	20	12 23.6	18.6
226274 2003 AP_{78}	17.6	X	282.50225	210.50959	211.50288	2.05532	0.1860637	0.26457825	2.4030711	20	9 17.0	20.1
226275 2003 AG_{80}	15.7	X	212.22906	120.06650	81.85665	23.16870	0.2624909	0.27059667	2.3673061	20	12 10.9	19.0
226276 2003 AC_{81}	16.4	X	319.27885	10.44817	77.44480	25.37127	0.1781645	0.27471421	2.3435918	20	—	—
226277 2003 AR_{92}	16.8	X	187.53472	93.56297	84.01690	3.75152	0.1247964	0.26393903	2.4069494	20	10 30.0	20.2
226278 2003 AY_{92}	17.1	X	168.09311	94.76235	99.58811	2.57964	0.1389473	0.26454595	2.4032667	20	10 30.3	20.6
226279 2003 BN	16.9	X	301.11409	335.50473	105.70500	2.38283	0.1590079	0.27130165	2.3632033	20	12 1.0	18.7
226280 2003 BU_{2}	16.1	X	34.26633	268.06254	136.08388	8.11662	0.1950555	0.27864486	2.3215000	20	—	—
226281 2003 BG_{6}	16.8	X	307.28462	290.94060	129.65257	5.40249	0.1902528	0.26773414	2.3841499	20	11 11.4	18.6
226282 2003 BS_{13}	16.1	X	347.20628	259.88379	282.51472	3.42072	0.1538598	0.23258646	2.6186639	20	1 27.4	19.0
226283 2003 BH_{15}	16.6	X	318.91626	101.21731	346.47510	2.12375	0.1800443	0.27225462	2.3576856	20	—	—
226284 2003 BC_{17}	16.7	X	218.47454	353.88886	120.47864	9.20647	0.1214523	0.25830134	2.4418460	20	9 13.4	20.2
226285 2003 BR_{20}	16.4	X	17.57706	338.10890	112.12884	7.29795	0.1837241	0.28095187	2.3087740	20	—	—
226286 2003 BC_{29}	17.0	X	284.03086	312.93085	127.82537	3.18981	0.1611863	0.26693517	2.3889048	20	10 25.6	19.3
226287 2003 BB_{30}	16.7	X	203.48684	228.02837	301.47082	3.71440	0.1299005	0.26488422	2.4012202	20	11 2.9	20.1
226288 2003 BB_{35}	14.6	X	80.11223	324.46494	136.77720	5.86113	0.2002486	0.12422557	3.9779750	20	4 9.7	20.1
226289 2003 BD_{38}	16.8	X	179.67071	73.45276	80.80463	2.33601	0.1396749	0.25924243	2.4359330	20	9 20.1	20.4
226290 2003 BL_{38}	16.2	X	177.50637	22.63111	119.83797	7.57186	0.0859148	0.25735841	2.4478068	20	9 6.0	19.8
226291 2003 BX_{41}	17.1	X	221.52147	99.02975	308.11171	6.96822	0.1362563	0.25187373	2.4832139	20	6 12.9	20.8
226292 2003 BF_{50}	16.7	X	62.29128	123.01574	299.87971	6.21948	0.0793577	0.28524253	2.2855630	20	—	—
226293 2003 BT_{50}	16.6	X	225.97031	219.61825	292.45677	5.99119	0.0582566	0.26627569	2.3928476	20	11 18.0	19.6
226294 2003 BV_{52}	17.4	X	255.70966	106.35881	44.86717	3.47457	0.1814518	0.27022139	2.3694974	20	12 13.0	19.8
226295 2003 BH_{61}	14.6	X	85.05651	143.95136	319.41799	6.93136	0.2285556	0.12455000	3.9710640	20	4 16.2	20.3
226296 2003 BO_{65}	16.5	X	257.25973	153.71873	276.85697	3.03261	0.1212070	0.25943835	2.4347064	20	8 29.5	19.4
226297 2003 BP_{68}	16.9	X	334.30062	247.08758	137.53960	3.55126	0.2425315	0.26675901	2.3899564	20	11 22.3	18.4
226298 2003 BY_{68}	17.2	X	227.94390	147.96737	23.83333	4.28140	0.1691789	0.26897737	2.3767977	20	12 1.4	20.2
226299 2003 BJ_{69}	17.2	X	257.40706	319.61703	129.23797	3.07292	0.1640059	0.26314050	2.4118165	20	9 20.9	20.0
226300 2003 BK_{69}	17.4	X	142.72351	72.80450	136.72790	2.73793	0.1309956	0.26045548	2.4283636	20	10 24.4	21.1
226301 2003 BP_{74}	16.6	X	206.35686	69.76310	29.90520	8.27353	0.1086562	0.25569959	2.4583820	20	8 12.0	20.2
226302 2003 BR_{75}	16.3	X	24.50419	334.05822	52.82646	9.48377	0.1804203	0.27436254	2.3455940	20	—	—
226303 2003 BL_{77}	17.2	X	293.39948	31.68407	42.64902	3.71876	0.1598302	0.26736790	2.3863265	20	11 2.1	19.2
226304 2003 BE_{82}	16.7	X	274.25204	295.22697	149.35809	2.59829	0.1822173	0.26423032	2.4051802	20	10 8.6	19.0
226305 2003 BR_{89}	16.5	X	330.60692	136.99105	293.61292	1.77288	0.2180380	0.27130242	2.3631989	20	—	—
226306 2003 BP_{90}	16.2	X	249.71088	305.42219	133.62688	13.62418	0.1903169	0.25948247	2.4344304	20	8 23.0	19.4
226307 2003 BA_{92}	16.1	X	13.40563	312.20823	299.59529	3.43197	0.0918672	0.24487297	2.5303202	20	6 27.6	18.9
226308 2003 CN_{2}	17.2	X	306.86897	265.94135	170.95295	4.73505	0.1599351	0.27020664	2.3695836	20	12 6.8	19.3
226309 2003 CN_{4}	17.0	X	246.27120	56.33368	55.56748	1.96664	0.1330913	0.26523618	2.3990955	20	10 12.1	19.8
226310 2003 CA_{6}	16.6	X	193.22981	100.13045	63.73942	3.16463	0.1508975	0.26159136	2.4213289	20	10 15.6	20.2
226311 2003 CX_{7}	17.0	X	266.17220	357.47718	103.59958	3.19943	0.1738063	0.26443861	2.4039170	20	10 21.1	19.5
226312 2003 CN_{12}	17.5	X	272.25279	98.40334	359.86788	2.31742	0.2033354	0.26689098	2.3891685	20	10 20.6	19.7
226313 2003 CH_{19}	17.1	X	245.57975	203.78368	308.33138	0.68683	0.1240521	0.26812059	2.3818584	20	12 6.9	20.0
226314 2003 DU_{3}	17.2	X	188.13711	143.62818	347.16292	3.05640	0.1338517	0.25499551	2.4629052	20	8 28.2	21.0
226315 2003 DD_{6}	15.9	X	337.66670	191.72536	6.52030	11.31791	0.0932192	0.22934672	2.6432670	20	2 16.4	19.2
226316 2003 DU_{11}	17.4	X	280.18272	113.18679	337.18454	0.75612	0.1516714	0.26474620	2.4020547	20	10 31.5	19.6
226317 2003 DJ_{13}	16.9	X	27.31543	84.13569	345.74460	3.56466	0.1575775	0.27887792	2.3202064	20	—	—
226318 2003 DG_{18}	16.5	X	135.51474	114.30614	96.75199	4.01073	0.1444314	0.25777114	2.4451932	20	10 19.8	20.3
226319 2003 DQ_{20}	17.0	X	206.55061	141.76682	339.17590	2.02934	0.1489368	0.25685024	2.4510344	20	9 2.2	20.6
226320 2003 EK_{3}	16.6	X	302.18497	2.09332	95.90196	4.18899	0.0938579	0.27017950	2.3697423	20	12 28.9	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226321 2003 EP_3	16.4	X	268.54993	335.98386	130.17981	5.60889	0.1564928	0.26534207	2.3984572	20	11 5.4	19.0
226322 2003 EL_{18}	17.3	X	138.76551	89.59816	106.83700	3.19077	0.1614116	0.25521281	2.4615070	20	10 4.2	21.2
226323 2003 EM_{18}	16.4	X	99.99941	242.96998	348.45156	3.60861	0.0800801	0.25507701	2.4623806	20	10 1.9	19.8
226324 2003 EB_{26}	16.9	X	192.79438	57.40770	116.92208	3.35329	0.1516953	0.26022268	2.4298117	20	10 28.6	20.4
226325 2003 ER_{26}	16.4	X	148.89528	164.14357	1.35955	6.56044	0.0855135	0.25242645	2.4795877	20	9 2.9	19.9
226326 2003 ED_{29}	16.2	X	1.94594	132.27669	115.62116	5.84981	0.1137181	0.23861774	2.5743498	20	6 2.0	18.8
226327 2003 EE_{34}	17.0	X	304.25319	216.61695	269.54151	4.84566	0.2203531	0.27292489	2.3538238	20	—	—
226328 2003 ET_{36}	16.1	X	172.81783	9.57341	59.14869	15.93481	0.0926939	0.24397071	2.5365549	20	5 21.5	19.6
226329 2003 EX_{41}	16.5	X	94.77786	212.93445	26.32909	6.69730	0.0777898	0.25591876	2.4569782	20	10 7.6	19.9
226330 2003 EA_{49}	16.0	X	277.16230	198.35190	78.73395	3.31135	0.1704254	0.22839799	2.6505817	20	2 25.5	19.9
226331 2003 FL	16.7	X	87.27696	82.70081	97.70496	6.32476	0.0536906	0.24203259	2.5500781	20	7 3.7	19.9
226332 2003 FE_{22}	16.6	X	219.20481	112.54955	242.19019	0.73948	0.1630119	0.23403976	2.6078120	20	4 2.9	20.6
226333 2003 FB_{40}	16.3	X	264.42488	225.97831	16.85159	4.38521	0.1820295	0.22036912	2.7145774	20	1 1.6	20.7
226334 2003 FV_{41}	16.4	X	321.68084	34.20821	150.79702	4.79433	0.0785506	0.28024556	2.3126516	20	—	—
226335 2003 FS_{46}	17.0	X	117.12183	338.16219	175.53903	3.70452	0.1633666	0.24392284	2.5368867	20	7 17.0	20.9
226336 2003 FX_{47}	16.7	X	120.23356	112.99842	3.35472	7.86608	0.1615319	0.23966366	2.5668546	20	5 30.9	20.7
226337 2003 FA_{66}	15.7	X	237.42527	56.14933	206.46296	11.77625	0.0798517	0.21950802	2.7216720	20	1 3.8	20.0
226338 2003 FQ_{71}	16.1	X	259.22474	262.21359	44.27211	5.09945	0.2033275	0.22857891	2.6491829	20	3 11.9	20.4
226339 2003 FO_{72}	16.4	X	271.19518	41.81195	104.89487	6.28550	0.1104451	0.26670059	2.3903054	20	—	—
226340 2003 FH_{77}	16.9	X	0.18993	340.32296	243.58855	3.94822	0.1111851	0.23371836	2.6102023	20	4 21.9	19.6
226341 2003 FE_{80}	16.3	X	75.58788	27.52230	166.87411	6.26710	0.1511425	0.24110899	2.5565862	20	7 21.3	19.7
226342 2003 FV_{81}	16.9	X	309.85403	39.28440	77.60089	3.23857	0.1456578	0.26983391	2.3717653	20	—	—
226343 2003 FL_{120}	16.5	X	4.23431	252.71051	338.02774	2.20871	0.1107226	0.23666989	2.5884555	20	5 9.5	19.3
226344 2003 FX_{121}	16.1	X	69.86038	187.22353	15.73496	7.84206	0.1603731	0.24048974	2.5609731	20	7 30.9	19.6
226345 2003 FM_{122}	17.2	X	37.70960	229.24859	28.75432	2.12810	0.0282696	0.24381911	2.5376062	20	8 8.3	20.4
226346 2003 FG_{126}	16.4	X	341.09099	289.99729	346.92527	2.80906	0.0460285	0.24225753	2.5484993	20	6 8.9	19.5
226347 2003 FE_{132}	16.5	X	15.09246	192.92273	63.17440	5.10928	0.0526499	0.23931615	2.5693388	20	7 3.7	19.5
226348 2003 FW_{132}	13.5	X	298.62517	20.17567	26.27872	6.10803	0.0952599	0.08353368	5.1827663	20	9 8.5	20.1
226349 2003 FL_{133}	13.0	X	200.88617	324.34335	192.54359	11.21969	0.0401785	0.08383652	5.1702780	20	9 28.1	19.9
226350 2003 GA_8	16.0	X	232.64105	105.69376	184.41076	6.99424	0.1772252	0.22164083	2.7041838	20	1 27.5	20.5
226351 2003 GH_{11}	16.6	X	47.06944	32.00538	203.32175	7.18562	0.1665176	0.24178839	2.5517948	20	8 8.1	19.8
226352 2003 GZ_{13}	13.4	X	255.87380	262.59071	190.88948	8.84655	0.0445034	0.08165076	5.2621419	20	9 14.7	20.4
226353 2003 GG_{17}	15.9	X	313.29467	197.11815	298.26256	24.88174	0.1845371	0.27491535	2.3424486	20	—	—
226354 2003 GC_{23}	15.9	X	262.28849	205.25496	24.38379	12.22122	0.1643781	0.21674945	2.7447158	20	—	—
226355 2003 GR_{24}	12.9	X	321.14024	255.87595	152.99916	9.24736	0.0841865	0.08476608	5.1324096	20	10 11.9	19.4
226356 2003 GN_{52}	16.8	X	241.88462	87.78455	127.48067	1.91653	0.1358475	0.27018549	2.3697072	20	—	—
226357 2003 GX_{54}	16.8	X	327.74679	209.80535	100.13012	2.12963	0.0500828	0.24246640	2.5470356	20	7 5.8	19.8
226358 2003 GL_{56}	13.1	X	7.26114	252.77403	108.22895	4.77123	0.0048392	0.08137985	5.2738137	20	10 14.7	20.0
226359 2003 HL_2	16.8	X	293.79885	35.90282	81.30390	23.69102	0.0541033	0.37860025	1.8924110	20	—	—
226360 2003 HO_7	16.8	X	250.94232	120.26766	49.28138	4.11274	0.1767051	0.26546178	2.3977361	20	12 30.7	19.3
226361 2003 HP_{13}	12.8	X	259.79533	52.22127	22.73988	13.17416	0.0747371	0.08309888	5.2008294	20	9 1.0	19.8
226362 2003 HY_{27}	16.0	X	25.53245	317.75240	228.11759	10.62490	0.1292940	0.23099851	2.6306512	20	4 13.2	18.8
226363 2003 HA_{29}	15.7	X	233.93686	38.53918	209.76408	8.38719	0.2527253	0.21335741	2.7737303	20	—	—
226364 2003 HQ_{36}	16.2	X	215.71170	216.74952	97.69041	3.99016	0.0604357	0.22133375	2.7066844	20	2 16.0	20.1
226365 2003 HD_{39}	16.2	X	62.68371	338.96010	224.15326	11.64539	0.2158832	0.23868069	2.5738972	20	7 23.3	19.8
226366 2003 HG_{49}	15.9	X	78.01548	75.26194	127.32598	5.27790	0.1285101	0.23959224	2.5673646	20	8 2.4	19.2
226367 2003 HW_{58}	12.9	X	288.44111	204.42454	227.65846	12.75372	0.0661354	0.08172636	5.2588962	20	9 22.6	19.8
226368 2003 JD_3	17.1	X	80.12078	104.35905	35.87116	4.45659	0.0617936	0.23220904	2.6215006	20	4 30.1	20.5
226369 2003 JJ_5	15.4	X	181.14307	260.46439	57.15670	14.41262	0.1117477	0.21445048	2.7642970	20	1 17.8	19.9
226370 2003 JZ_5	16.0	X	182.44439	229.78256	213.10548	14.55048	0.0885901	0.23841145	2.5758346	20	6 19.2	20.1
226371 2003 JR_7	15.8	X	182.57437	201.97798	90.51737	8.01760	0.2390918	0.20984519	2.8045942	20	—	—
226372 2003 JV_7	16.1	X	41.15963	145.73714	71.92040	10.64047	0.0759656	0.23691396	2.5866775	20	6 21.6	19.1
226373 2003 JH_{10}	16.4	X	1.41393	79.16588	149.11707	6.19213	0.2173136	0.23082510	2.6319685	20	5 1.8	18.6
226374 2003 JQ_{11}	16.5	X	38.18124	177.16836	42.88687	5.23838	0.2097665	0.23691541	2.5866669	20	7 12.2	19.2
226375 2003 KY_{11}	17.3	X	311.81782	289.23301	221.91268	20.41263	0.1081983	0.38532749	1.8703206	20	—	—
226376 2003 KM_{15}	16.9	X	67.10691	133.23930	50.52728	1.90844	0.0774805	0.23756933	2.5819182	20	6 13.5	20.0
226377 2003 KC_{30}	16.2	X	116.86186	66.49762	120.22662	5.65801	0.1590612	0.24411855	2.5355307	20	8 30.7	20.0
226378 2003 KO_{30}	15.7	X	232.94590	242.09284	85.03461	11.61310	0.0706486	0.22600520	2.6692572	20	3 26.2	19.8
226379 2003 KP_{32}	16.0	X	178.95775	267.99532	93.98648	7.34622	0.0496790	0.22381190	2.6866676	20	3 6.9	19.9
226380 2003 KE_{33}	16.8	X	129.59570	77.79898	76.28232	7.83493	0.0620778	0.24152085	2.5536789	20	7 24.7	20.4
226381 2003 NT_1	14.8	X	45.13403	258.08678	114.24845	14.02420	0.1884034	0.19054535	2.9909132	20	—	—
226382 2003 NZ_3	15.4	X	47.50946	76.97050	302.24305	9.35043	0.0463464	0.19291907	2.9663287	20	—	—
226383 2003 NT_8	14.0	X	327.71447	120.62588	272.25086	26.03385	0.2713175	0.17306101	3.1891128	20	9 22.0	17.8
226384 2003 OK_3	16.8	X	321.43948	239.83547	293.09207	17.76972	0.0564437	0.38084738	1.8849597	20	—	—
226385 2003 ON_6	16.7	X	145.55884	316.91428	307.23114	18.22776	0.0290164	0.36815171	1.9280495	20	—	—
226386 2003 OX_6	15.3	X	355.18829	176.50155	176.53599	10.44070	0.2873189	0.17832750	3.1260110	20	10 27.9	18.2
226387 2003 OD_{20}	15.1	X	38.58071	175.64721	164.15832	6.00125	0.2307892	0.18494453	3.0509966	20	12 13.6	19.4
226388 2003 OS_{20}	15.3	X	60.74122	223.70348	86.93508	9.81597	0.1905832	0.18596085	3.0398702	20	11 29.1	19.7
226389 2003 OJ_{32}	16.5	X	86.92591	356.24343	258.90181	18.12553	0.0450695	0.35362107	1.9805111	20	10 29.3	19.0
226390 2003 PU_6	15.2	X	30.55338	48.24288	325.26257	15.82744	0.2313119	0.18421856	3.0590070	20	—	—
226391 2003 PN_7	15.4	X	42.68629	17.58767	290.63895	8.64375	0.1973205	0.18268234	3.0761322	20	11 1.5	19.7
226392 2003 QL_4	16.1	X	30.72579	158.88988	153.03019	6.02831	0.2669401	0.17951278	3.1122356	20	11 5.1	20.1
226393 2003 QV_4	14.9	X	53.60263	121.11910	218.26285	9.92889	0.0919453	0.18568867	3.0428399	20	12 11.6	19.3
226394 2003 QM_6	15.1	X	7.43862	182.73905	155.45144	10.20247	0.1989229	0.17619237	3.1512146	20	10 22.2	18.8
226395 2003 QZ_{13}	15.9	X	31.58997	198.08747	196.45564	8.85021	0.1024764	0.18988501	2.9978433	20	—	—
226396 2003 QK_{14}	15.6	X	7.59190	99.43443	282.63234	8.07893	0.2250356	0.18245362	3.0787025	20	12 20.7	19.1
226397 2003 QT_{14}	15.0	X	317.85852	116.78881	282.80213	8.19623	0.1176969	0.17776826	3.1325637	20	10 4.2	19.0
226398 2003 QH_{20}	15.0	X	88.38693	301.59493	356.14234	13.02791	0.1896559	0.18498468	3.0505551	20	12 7.4	20.1
226399 2003 QH_{21}	15.0	X	309.21742	240.03169	125.94074	5.32895	0.1312477	0.16917162	3.2378076	20	8 8.9	19.1
226400 2003 QX_{35}	14.9	X	50.77071	309.35379	333.58571	26.04678	0.1583089	0.17859441	3.1228956	20	9 25.5	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226401 2003 QV_{46}	15.5	X	54.06067	23.55634	299.52746	12.18549	0.1995975	0.18482870	3.0522712	20	12 6.1	20.1
226402 2003 QD_{51}	15.0	X	354.77655	4.38307	7.86910	15.30199	0.0843272	0.17813507	3.1282618	20	10 27.2	19.2
226403 2003 QT_{58}	15.2	X	321.33500	19.04346	126.94730	10.24954	0.0320343	0.19704821	2.9247431	20	—	—
226404 2003 QV_{60}	15.0	X	357.02715	335.79390	5.17658	15.67060	0.2254272	0.17414952	3.1758101	20	10 3.2	18.2
226405 2003 QK_{67}	14.9	X	19.86745	241.00701	144.39219	10.72974	0.0783765	0.18325411	3.0697304	20	12 23.1	19.2
226406 2003 QA_{70}	14.6	X	336.60961	89.05467	285.86788	23.32701	0.2926059	0.17501500	3.1653315	20	9 18.6	18.0
226407 2003 QU_{77}	15.3	X	336.62949	102.52183	291.07980	5.71904	0.2522590	0.17545272	3.1600648	20	10 31.1	18.3
226408 2003 QM_{81}	15.4	X	11.08895	234.44995	156.39223	10.58332	0.0788016	0.18541895	3.0457901	20	12 18.9	19.6
226409 2003 QM_{85}	15.3	X	314.95154	211.06244	154.67760	5.87001	0.1331937	0.17069571	3.2185059	20	8 17.2	19.3
226410 2003 QU_{92}	15.3	X	324.58584	237.85435	141.32332	16.80553	0.1195798	0.17516942	3.1634710	20	9 26.9	19.3
226411 2003 QE_{94}	15.6	X	95.53108	329.31492	353.27039	6.39093	0.1420067	0.19084385	2.9877936	20	—	—
226412 2003 QY_{94}	15.5	X	75.74616	268.28055	57.61504	9.06311	0.1997799	0.18595267	3.0399593	20	12 31.4	20.3
226413 2003 QF_{101}	15.3	X	22.96239	357.12025	344.33675	9.01300	0.0936030	0.18005812	3.1059484	20	10 31.3	19.5
226414 2003 QE_{106}	14.9	X	17.30557	145.25079	184.71008	10.22174	0.2261117	0.17587206	3.1550396	20	10 30.9	18.6
226415 2003 QE_{114}	15.4	X	267.36062	299.92425	191.33882	11.13666	0.0808026	0.18286326	3.0741029	20	11 26.2	19.7
226416 2003 QG_{115}	14.9	X	10.66652	176.16482	238.36569	13.43727	0.1052985	0.18575404	3.0421261	20	—	—
226417 2003 RG_{3}	15.6	X	328.09036	95.85169	345.06007	3.56189	0.1761873	0.18493927	3.0510544	20	12 21.1	18.8
226418 2003 RT_{4}	15.3	X	7.16550	7.36653	349.38417	10.52108	0.1145723	0.17700216	3.1415960	20	10 28.8	19.3
226419 2003 RJ_{5}	16.4	X	103.78668	11.49941	294.13893	2.66618	0.2411092	0.18977008	2.9990536	20	—	—
226420 2003 RF_{7}	15.1	X	72.28097	100.16010	202.22270	21.47760	0.0659074	0.17887314	3.1196506	20	11 15.2	19.7
226421 2003 RU_{7}	15.2	X	357.91506	279.04451	111.98646	17.66404	0.2177917	0.18145632	3.0899727	20	12 16.1	18.8
226422 2003 RE_{10}	15.7	X	329.74774	16.87928	1.96412	7.71832	0.0253687	0.17170278	3.2059088	20	10 1.9	20.0
226423 2003 RQ_{14}	15.7	X	71.48924	98.26029	250.87624	8.96896	0.1198161	0.19006406	2.9959603	20	—	—
226424 2003 RG_{23}	15.1	X	342.51377	221.12442	170.98352	9.58286	0.0570802	0.18089377	3.0963757	20	11 9.7	19.2
226425 2003 SC_{1}	16.2	X	339.84748	134.43679	266.86034	1.40492	0.0981766	0.18087753	3.0965609	20	11 16.0	20.1
226426 2003 SJ_{10}	15.5	X	103.63594	273.35803	356.94030	8.90270	0.0241072	0.17872836	3.1213352	20	11 3.8	20.1
226427 2003 SF_{19}	15.6	X	330.67796	310.11331	180.44285	9.02698	0.1493824	0.19331388	2.9622886	20	—	—
226428 2003 SC_{22}	15.1	X	274.88249	121.07516	346.35030	10.21381	0.0647193	0.18105451	3.0945427	20	11 3.1	19.5
226429 2003 SS_{22}	15.4	X	218.04743	130.19307	359.31705	5.65568	0.0145591	0.17235452	3.1978218	20	9 29.7	19.8
226430 2003 SU_{24}	15.5	X	32.68187	164.60073	190.89521	16.92789	0.1948988	0.18322430	3.0700633	20	12 18.9	20.0
226431 2003 SB_{25}	15.8	X	63.73965	155.40512	195.48534	10.03484	0.0946552	0.18735406	3.0247813	20	—	—
226432 2003 SQ_{25}	15.2	X	237.60614	299.41019	201.03210	9.13333	0.0599211	0.17836269	3.1255998	20	11 1.9	19.6
226433 2003 SH_{28}	15.7	X	107.79624	85.80327	238.16216	8.54916	0.1169915	0.18986448	2.9980594	20	—	—
226434 2003 SP_{29}	15.5	X	174.43875	293.04182	278.92309	8.28928	0.0792867	0.18106429	3.0944312	20	11 14.1	20.3
226435 2003 SY_{30}	15.4	X	347.13375	32.97150	2.83964	5.37637	0.1359379	0.17931006	3.1145809	20	11 20.9	19.1
226436 2003 SH_{34}	15.8	X	28.87097	225.85913	60.85117	1.26621	0.1622532	0.17240949	3.1971421	20	9 12.2	19.7
226437 2003 SF_{39}	15.7	X	350.88212	41.45806	358.24619	6.36127	0.1456601	0.18010595	3.1053985	20	12 3.5	19.5
226438 2003 SS_{40}	14.7	X	16.98363	326.21153	344.15423	16.27321	0.0821906	0.17054788	3.2203655	20	9 12.5	18.9
226439 2003 SP_{47}	15.6	X	54.99596	115.74790	256.68636	10.87690	0.1659779	0.19055557	2.9908063	20	—	—
226440 2003 SZ_{47}	15.2	X	304.24860	183.44417	256.80646	9.11844	0.0406875	0.18025863	3.1036447	20	11 13.9	19.5
226441 2003 SD_{48}	15.1	X	112.76261	344.77028	282.79098	9.16490	0.0437816	0.18074048	3.0981262	20	11 14.1	19.8
226442 2003 SE_{49}	16.0	X	36.80795	117.56602	226.81827	3.53058	0.1518933	0.18008801	3.1056047	20	12 4.3	20.2
226443 2003 SA_{53}	15.3	X	356.34632	355.91606	0.32500	18.54313	0.0538610	0.17379783	3.1800930	20	10 7.2	19.7
226444 2003 SN_{65}	15.2	X	315.17798	225.07206	199.13717	16.33895	0.2079206	0.17941733	3.1133393	20	11 1.0	18.4
226445 2003 SP_{66}	15.7	X	338.48646	188.69553	206.48404	10.31538	0.0540585	0.18034219	3.1026860	20	11 6.1	19.8
226446 2003 SB_{71}	15.0	X	257.99435	194.93824	275.42503	9.00155	0.1088148	0.17761299	3.1343891	20	10 8.7	19.5
226447 2003 SM_{74}	16.0	X	47.23977	211.71560	248.26080	2.14446	0.1101865	0.19870220	2.9084901	20	1 28.5	19.5
226448 2003 SN_{74}	15.4	X	326.39097	32.94223	337.65109	4.76249	0.1455171	0.17203038	3.2018375	20	9 11.4	19.0
226449 2003 SE_{79}	15.4	X	4.25014	129.79970	279.26394	5.25801	0.0975282	0.18418478	3.0593810	20	—	—
226450 2003 SG_{97}	15.1	X	320.65979	106.06291	287.78924	8.32086	0.0749543	0.17469790	3.1691607	20	10 2.9	19.4
226451 2003 SU_{98}	15.2	X	311.96909	221.87631	211.21226	22.20185	0.1684699	0.18029620	3.1032135	20	11 9.5	18.7
226452 2003 SV_{98}	14.9	X	353.76182	73.53579	277.81850	14.30651	0.2268375	0.17531706	3.1616947	20	10 4.1	18.5
226453 2003 SG_{101}	15.5	X	65.49351	78.09523	243.04842	11.45434	0.1253906	0.18299734	3.0726012	20	12 7.0	19.9
226454 2003 SC_{105}	14.9	X	341.19864	123.36722	279.21521	10.00123	0.1000251	0.17983178	3.1085540	20	11 18.3	18.8
226455 2003 SK_{105}	15.4	X	347.08933	108.63826	238.54118	5.94555	0.1648487	0.17190458	3.2033993	20	9 15.6	19.1
226456 2003 SH_{107}	15.3	X	175.38744	353.60323	231.40590	9.46956	0.0776715	0.18176395	3.0864853	20	12 2.3	20.0
226457 2003 SL_{111}	15.6	X	352.33105	107.62533	226.53155	24.02754	0.1897569	0.17100280	3.2146515	20	9 2.7	19.7
226458 2003 SD_{124}	15.0	X	213.02088	145.26198	8.86016	9.06317	0.0206413	0.17897807	3.1184312	20	10 22.8	19.5
226459 2003 SG_{139}	15.4	X	342.58974	167.71654	197.21346	8.77463	0.1160756	0.17294411	3.1905499	20	10 2.9	19.2
226460 2003 SZ_{140}	15.0	X	124.18431	28.30213	240.79382	14.96012	0.0473320	0.18052749	3.1005625	20	11 30.5	19.5
226461 2003 SH_{142}	15.1	X	321.18473	114.63802	307.07415	14.88258	0.0887282	0.17907821	3.1172685	20	11 7.9	19.3
226462 2003 SP_{143}	15.1	X	14.62880	113.55203	253.20998	9.42010	0.0918263	0.17810114	3.1286592	20	11 22.7	19.2
226463 2003 SD_{144}	14.9	X	33.68828	289.87329	33.26349	16.44518	0.0777211	0.17583252	3.1555126	20	10 24.2	19.1
226464 2003 SW_{144}	14.9	X	85.65462	8.82455	272.59602	16.56736	0.1282137	0.18122219	3.0926336	20	11 8.8	19.8
226465 2003 SS_{148}	15.5	X	296.05481	41.21910	1.65187	6.55940	0.1240955	0.17000602	3.2272047	20	9 7.7	19.7
226466 2003 ST_{151}	15.3	X	346.42692	48.28465	30.74378	12.73953	0.1478604	0.18594668	3.0400246	20	—	—
226467 2003 SE_{157}	15.2	X	328.10130	240.41395	188.64907	9.32725	0.0993072	0.18038618	3.1021816	20	12 4.1	19.2
226468 2003 SK_{160}	15.1	X	305.34247	216.97922	208.70704	5.14690	0.1467969	0.17676665	3.1443858	20	10 19.3	18.7
226469 2003 SP_{167}	15.4	X	312.36754	47.86678	27.02782	12.01418	0.1516784	0.17948207	3.1125906	20	11 10.4	19.0
226470 2003 SV_{168}	15.1	X	27.03247	336.09387	346.44216	8.50675	0.0664135	0.17533387	3.1614926	20	10 9.8	19.4
226471 2003 SK_{173}	15.4	X	338.09945	40.31714	343.49188	4.82049	0.1334988	0.17716602	3.1396586	20	10 19.9	19.0
226472 2003 SD_{174}	15.4	X	9.35196	111.88275	203.84835	6.21376	0.0713768	0.17108481	3.2136241	20	9 6.9	19.7
226473 2003 SA_{175}	15.5	X	41.12234	137.20485	153.20007	1.68807	0.1691628	0.17516109	3.1635712	20	10 6.4	19.7
226474 2003 SS_{175}	15.3	X	350.13886	82.39424	305.78588	7.49516	0.0564694	0.18114168	3.0935499	20	11 10.5	19.5
226475 2003 SJ_{179}	15.6	X	21.53490	339.47184	37.18192	9.32020	0.0517313	0.18266195	3.0763612	20	12 9.4	19.8
226476 2003 SL_{179}	15.6	X	330.99563	307.86371	82.45917	6.90019	0.1260861	0.17597132	3.1538531	20	10 20.9	19.4
226477 2003 SF_{180}	15.7	X	50.41492	122.80389	227.24926	9.43972	0.1351167	0.18331598	3.0690396	20	12 25.0	20.2
226478 2003 SQ_{184}	15.6	X	349.27688	237.36860	176.76297	6.85335	0.1543277	0.18164518	3.0878306	20	12 21.8	19.3
226479 2003 SV_{185}	15.2	X	274.96616	268.67506	213.59859	6.07287	0.1141912	0.18314673	3.0709302	20	11 20.2	19.1
226480 2003 SB_{188}	14.9	X	264.61228	289.29377	225.53733	15.42849	0.0123662	0.18550584	3.0448389	20	12 27.3	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226481 2003 SQ_{193}	15.2	X	327.93993	98.29782	311.87262	9.62000	0.1068860	0.17911057	3.1168930	20	11 4.6	19.3
226482 2003 ST_{197}	15.7	X	357.57018	270.82866	112.81395	2.56780	0.1821036	0.17897234	3.1184978	20	11 29.1	19.1
226483 2003 SX_{214}	14.3	X	81.11005	344.15711	291.09949	23.44358	0.0816795	0.17893988	3.1188749	20	10 13.2	19.4
226484 2003 SV_{237}	14.9	X	307.48616	28.52735	24.85354	5.49863	0.1368704	0.17330869	3.1860737	20	10 7.8	18.9
226485 2003 SO_{238}	15.7	X	8.73268	192.58286	204.06167	7.98638	0.0590346	0.18432100	3.0578734	20	12 19.5	19.9
226486 2003 SV_{241}	15.3	X	323.50206	3.72725	5.06502	4.83291	0.1328173	0.16930377	3.2361225	20	9 6.0	19.2
226487 2003 SK_{248}	15.8	X	298.45421	250.63561	177.53479	7.57706	0.1764432	0.17476689	3.1683267	20	10 8.2	19.5
226488 2003 SE_{249}	15.0	X	32.43564	286.38247	26.99153	9.89080	0.0854260	0.17310678	3.1885507	20	10 11.4	19.2
226489 2003 ST_{262}	14.8	X	7.97057	304.55566	24.48591	11.04477	0.0609818	0.17306771	3.1890306	20	9 26.2	19.1
226490 2003 SX_{272}	15.4	X	265.65510	172.77677	250.26296	5.71436	0.0985243	0.16883336	3.2421309	20	8 22.2	20.0
226491 2003 SR_{274}	15.5	X	61.54880	274.20668	35.94633	5.43785	0.1416290	0.17869286	3.1217485	20	11 20.1	20.0
226492 2003 SD_{282}	15.2	X	9.47953	273.83817	45.02450	10.95721	0.1004239	0.17251163	3.1958800	20	9 21.1	19.4
226493 2003 SA_{284}	15.3	X	321.16950	233.30095	209.95689	16.33857	0.1077101	0.18346484	3.0673793	20	12 10.9	19.3
226494 2003 SN_{284}	15.4	X	336.92899	104.32056	313.06931	8.98699	0.0839276	0.18139667	3.0906502	20	11 30.6	19.4
226495 2003 SJ_{286}	15.8	X	63.14354	277.22725	69.25016	4.83298	0.0599469	0.18398198	3.0616288	20	12 26.4	20.3
226496 2003 SU_{291}	15.0	X	332.81204	151.85037	260.13266	10.46279	0.0610003	0.17846890	3.1243596	20	11 17.0	19.0
226497 2003 SN_{292}	15.0	X	143.46531	26.40282	218.64202	21.56498	0.0119652	0.18046205	3.1013119	20	11 22.8	19.5
226498 2003 SL_{293}	15.2	X	103.30050	295.71548	340.15148	9.87133	0.0781952	0.18105327	3.0945568	20	11 15.1	20.0
226499 2003 SP_{296}	15.1	X	264.70195	123.04615	333.62637	18.58229	0.1675016	0.17198343	3.2024201	20	9 19.0	19.7
226500 2003 SH_{309}	15.2	X	33.55484	354.75190	327.18724	4.05955	0.1546208	0.17758611	3.1347053	20	10 31.5	19.3
226501 2003 SN_{315}	14.7	X	345.79846	359.34103	91.51498	16.52103	0.3020860	0.18322401	3.0700666	20	—	—
226502 2003 SY_{318}	15.2	X	123.64643	49.13065	204.87013	11.04896	0.1211042	0.18020102	3.1043062	20	11 16.6	20.2
226503 2003 SB_{319}	14.9	X	324.23446	157.23557	258.29646	9.58630	0.0618973	0.17914394	3.1165060	20	11 9.0	19.0
226504 2003 SX_{320}	18.4	X	151.84291	357.87641	350.56308	2.60609	0.1141963	0.31678031	2.1312313	20	1 8.1	20.9
226505 2003 SC_{322}	15.6	X	274.88347	103.80071	20.95020	14.77836	0.2937207	0.17491366	3.1665540	20	10 23.4	19.7
226506 2003 SB_{329}	15.3	X	264.04447	247.13854	180.18640	18.18671	0.1064190	0.16935844	3.2354261	20	8 24.8	20.0
226507 2003 TT	14.9	X	98.57151	9.29854	267.14643	17.04341	0.1827867	0.18212604	3.0823931	20	11 22.2	20.0
226508 2003 TJ_{10}	14.4	X	348.07044	84.59707	280.26667	14.37132	0.2410344	0.17459972	3.1703486	20	10 11.7	17.9
226509 2003 TB_{16}	15.4	X	330.71735	207.22967	160.65735	8.84368	0.1240150	0.17114648	3.2128521	20	9 17.8	19.3
226510 2003 TA_{42}	15.4	X	229.33189	267.34310	250.62697	3.42340	0.1350831	0.17795159	3.1304118	20	11 2.3	20.0
226511 2003 UU_{1}	14.8	X	342.15205	333.81124	46.44465	13.32831	0.0660200	0.17623032	3.1507622	20	10 24.5	18.9
226512 2003 UC_{25}	15.3	X	39.43006	334.46724	359.31204	9.68705	0.0714991	0.17667380	3.1454874	20	11 9.4	19.7
226513 2003 UP_{27}	14.9	X	288.02698	355.85041	79.91172	6.57084	0.1702503	0.17339576	3.1850070	20	10 4.5	19.0
226514 2003 UX_{34}	20.1	X	305.10773	218.53014	4.34520	2.56343	0.6157786	0.86000468	1.0951380	20	—	—
226515 2003 UO_{45}	16.4	X	316.74109	230.26668	192.50201	1.09054	0.1890234	0.17693642	3.1423742	20	11 1.7	19.7
226516 2003 UR_{46}	16.0	X	71.42476	106.88639	197.68945	4.29995	0.1289728	0.17882345	3.1202285	20	11 24.1	20.6
226517 2003 UA_{47}	14.9	X	11.80449	272.35265	82.29912	10.50743	0.0795340	0.17486349	3.1671597	20	11 5.4	19.2
226518 2003 UC_{60}	15.0	X	45.49734	70.74645	253.21329	15.05632	0.2306451	0.17847975	3.1242330	20	11 30.8	19.4
226519 2003 UW_{61}	15.2	X	317.25333	265.49203	116.07573	6.98645	0.1490835	0.17102022	3.2144333	20	9 12.9	19.0
226520 2003 UU_{62}	14.8	X	23.43127	275.56922	115.76541	9.19686	0.0924650	0.18366562	3.0651435	20	—	—
226521 2003 UW_{66}	15.9	X	355.32595	277.36617	67.56651	6.20530	0.2063572	0.17371578	3.1810943	20	10 7.7	19.3
226522 2003 UT_{79}	15.0	X	324.61361	346.18006	65.42972	6.10540	0.1467955	0.17449330	3.1716375	20	11 3.9	18.7
226523 2003 UO_{93}	15.5	X	296.63517	90.47104	318.48193	4.00472	0.1525191	0.17034838	3.2228794	20	9 10.3	19.5
226524 2003 UQ_{96}	15.4	X	14.10433	127.59874	205.41582	26.50878	0.1654592	0.17623145	3.1507488	20	10 19.3	19.0
226525 2003 UF_{98}	15.0	X	72.78030	266.50832	83.15341	13.58185	0.1769204	0.18288749	3.0738315	20	—	—
226526 2003 UK_{105}	15.9	X	29.39602	126.92194	202.72827	3.64887	0.1863118	0.17594519	3.1541653	20	11 10.7	19.9
226527 2003 UZ_{124}	15.7	X	128.76359	261.61587	106.51550	3.35022	0.1007239	0.19690499	2.9261611	20	1 23.5	19.8
226528 2003 UJ_{125}	15.4	X	295.51637	294.36628	159.79632	10.21002	0.2082325	0.17582127	3.1556472	20	11 4.3	19.2
226529 2003 UV_{139}	15.3	X	278.09314	317.09461	115.09190	6.00518	0.1620904	0.17206027	3.2014666	20	9 15.5	19.6
226530 2003 UY_{141}	15.3	X	349.34616	1.33988	60.05977	9.70336	0.1874192	0.18210657	3.0826128	20	—	—
226531 2003 UO_{142}	14.9	X	210.08710	248.80265	250.38877	11.59224	0.0286539	0.16970403	3.2310322	20	9 25.6	19.8
226532 2003 UC_{155}	15.8	X	17.41740	289.83826	47.87689	10.50529	0.2346365	0.17597485	3.1538109	20	11 9.6	19.4
226533 2003 UE_{161}	15.2	X	292.08628	37.60129	45.62414	10.07816	0.0660544	0.17455773	3.1708570	20	10 30.6	19.3
226534 2003 UO_{161}	16.3	X	339.99056	205.97975	209.95986	1.90358	0.1006671	0.17947145	3.1127134	20	12 4.9	20.2
226535 2003 UG_{180}	14.5	X	88.00012	227.93549	58.86772	12.63400	0.2952179	0.17928513	3.1148696	20	12 3.0	19.8
226536 2003 UK_{180}	15.3	X	354.73463	6.27627	90.89133	7.71063	0.1683211	0.18479323	3.0526617	20	—	—
226537 2003 UF_{183}	15.6	X	315.44060	204.91135	242.64205	3.35247	0.0750546	0.17911854	3.1168006	20	12 7.4	19.4
226538 2003 UZ_{195}	15.3	X	342.88056	317.14935	71.40210	6.01087	0.1311528	0.17348426	3.1839238	20	11 5.5	19.1
226539 2003 UW_{216}	15.6	X	50.23760	330.62640	356.57151	8.51261	0.0686132	0.17857587	3.1231118	20	11 15.4	20.1
226540 2003 UK_{218}	15.1	X	107.62058	206.89813	66.79241	10.56248	0.0701287	0.17612663	3.1519987	20	11 19.5	19.7
226541 2003 UJ_{221}	15.5	X	165.30064	187.12217	18.42153	10.40967	0.0500826	0.17500313	3.1654746	20	10 27.9	20.3
226542 2003 UM_{222}	15.4	X	300.35217	116.85316	312.37383	4.42529	0.1882079	0.17189562	3.2035106	20	10 7.3	19.4
226543 2003 UX_{235}	15.5	X	113.53820	27.18785	240.22892	9.18451	0.0659455	0.17991384	3.1076087	20	11 17.9	20.0
226544 2003 UZ_{245}	15.0	X	240.24476	194.40152	222.83375	16.22790	0.1339527	0.15861739	3.3798870	20	7 9.9	20.4
226545 2003 UL_{253}	15.0	X	319.37256	309.61465	88.98883	20.34614	0.1575295	0.17249836	3.1960439	20	10 18.1	19.2
226546 2003 UK_{278}	15.1	X	249.24264	82.78532	27.24210	18.59436	0.1314519	0.17083871	3.2167097	20	10 2.6	19.8
226547 2003 UY_{279}	15.2	X	322.72079	176.37315	205.58180	18.42667	0.1027747	0.16874167	3.2433052	20	9 19.8	19.4
226548 2003 UU_{282}	14.8	X	355.56829	333.76679	99.93111	12.46604	0.0833170	0.18075716	3.0979355	20	—	—
226549 2003 UA_{304}	15.5	X	36.45814	320.46292	336.31868	4.62128	0.1647935	0.17153850	3.2079553	20	10 4.4	19.7
226550 2003 UW_{307}	16.4	X	316.48965	42.97106	56.61848	1.25892	0.1393080	0.18124887	3.0923300	20	12 23.0	20.0
226551 2003 UB_{351}	15.3	X	300.31788	275.91653	173.21471	11.07846	0.0671021	0.17913085	3.1166578	20	11 20.6	19.5
226552 2003 WN_{6}	16.2	X	208.08965	226.92853	250.59520	8.18880	0.1977436	0.22086325	2.7105271	20	8 19.4	20.7
226553 2003 WB_{16}	15.8	X	350.34959	346.10492	113.85425	1.87168	0.1149804	0.18449580	3.0559416	20	—	—
226554 2003 WR_{21}	19.5	X	229.89668	107.98325	85.83975	9.27515	0.2613791	0.83321477	1.1184882	20	—	—
226555 2003 WT_{27}	15.1	X	215.35417	270.39009	251.01452	13.64427	0.1014711	0.17153345	3.2080183	20	10 22.9	20.1
226556 2003 WS_{33}	15.3	X	350.10929	137.25968	264.05431	9.08593	0.2248943	0.17585394	3.1552564	20	12 11.6	18.5
226557 2003 WY_{36}	15.5	X	317.97000	56.51284	39.96007	17.25793	0.2318079	0.17663519	3.1459458	20	12 14.6	18.9
226558 2003 WD_{37}	15.5	X	328.38793	196.40169	286.23046	9.27837	0.1938406	0.18146850	3.0898345	20	—	—
226559 2003 WR_{38}	15.2	X	354.24574	155.54404	268.06404	15.17050	0.0719346	0.17791910	3.1307928	20	12 31.6	19.3
226560 2003 WY_{51}	14.4	X	248.25880	97.64518	79.48401	15.76810	0.3183784	0.17537720	3.1609718	20	11 24.3	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226561 2003 WJ_{52}	15.4	X	42.53654	88.29309	238.32765	8.73969	0.0218813	0.17353097	3.1833524	20	10 30.4	19.8
226562 2003 WD_{59}	15.6	X	312.83880	7.98589	68.79790	5.79279	0.1444075	0.17461676	3.1701423	20	11 15.7	19.4
226563 2003 WT_{68}	14.6	X	257.75545	226.95597	243.61244	19.44691	0.0488055	0.16944697	3.2342991	20	10 16.3	19.4
226564 2003 WP_{70}	15.1	X	59.90803	54.52505	239.43138	27.30092	0.2414358	0.17506620	3.1647143	20	11 11.5	19.9
226565 2003 WR_{71}	15.5	X	31.00562	129.52778	280.61865	9.43726	0.0680675	0.18234630	3.0799104	20	—	—
226566 2003 WF_{85}	15.2	X	220.03092	288.50451	228.13770	8.16183	0.1031985	0.17228719	3.1986549	20	10 24.3	20.0
226567 2003 WG_{107}	14.8	X	356.49793	259.71728	97.47188	15.21179	0.1673104	0.17369078	3.1813995	20	10 27.9	18.7
226568 2003 WH_{189}	15.0	X	338.13806	259.72726	106.19879	18.75455	0.1379965	0.17114837	3.2128284	20	10 6.8	19.2
226569 2003 WW_{189}	15.3	X	277.74631	115.78225	315.47028	18.58048	0.1720079	0.16948081	3.2338685	20	9 2.9	19.8
226570 2003 WL_{193}	15.7	X	78.56606	285.77824	13.40354	12.60097	0.1635152	0.18219225	3.0816462	20	11 25.9	20.6
226571 2003 XX_{8}	15.0	X	3.60864	45.50793	17.99874	15.65238	0.2133333	0.17960274	3.1111962	20	—	—
226572 2003 XA_{11}	14.8	X	260.96794	10.05791	76.06563	19.70325	0.0877718	0.16881324	3.2423885	20	9 30.0	19.7
226573 2003 XO_{13}	14.4	X	233.86972	256.00682	93.23915	19.09902	0.0903808	0.14674595	3.5597976	20	4 28.4	20.0
226574 2003 YJ_{2}	16.9	X	331.99054	155.39807	281.55573	16.37373	0.0939476	0.35275686	1.9837445	20	—	—
226575 2003 YL_{20}	17.0	X	129.28950	285.89283	85.24594	8.02947	0.0439919	0.30612768	2.1803907	20	—	—
226576 2003 YT_{34}	14.5	X	337.12877	315.53643	84.20999	20.01928	0.1694707	0.17119034	3.2123034	20	11 15.2	18.3
226577 2003 YA_{42}	15.5	X	325.29371	329.29138	105.04733	6.31500	0.1393185	0.16987666	3.2288428	20	12 2.8	19.3
226578 2003 YC_{44}	15.3	X	211.18919	178.93763	109.42914	9.69497	0.0501915	0.18398844	3.0615571	20	1 14.8	19.7
226579 2003 YL_{68}	16.6	X	210.20128	267.25839	267.39835	7.24314	0.0783519	0.28483212	2.2877579	20	11 30.1	19.4
226580 2003 YQ_{93}	16.6	X	82.38342	320.78666	305.80589	5.73946	0.1177541	0.27879806	2.3206495	20	11 2.9	19.9
226581 2003 YK_{140}	14.7	X	307.01159	160.99809	307.57949	14.67201	0.1514895	0.17407246	3.1767473	20	12 15.9	18.7
226582 2003 YK_{153}	16.0	X	309.54703	181.67178	286.88444	17.73773	0.0715714	0.35751002	1.9661225	20	—	—
226583 2003 YR_{163}	14.9	X	234.64754	299.62632	261.72670	14.27252	0.0689589	0.17869407	3.1217344	20	—	—
226584 2004 AN_{5}	17.0	X	38.61029	180.20112	286.08483	4.06999	0.0714998	0.30512961	2.1851427	20	—	—
226585 2004 AP_{12}	18.1	X	353.09316	50.97472	90.41530	3.57427	0.0680155	0.30388029	2.1911277	20	—	—
226586 2004 BD_{15}	17.9	X	337.26590	161.65302	346.71452	1.79460	0.1015470	0.30117538	2.2042275	20	—	—
226587 2004 BY_{19}	15.7	X	295.41154	105.07376	18.29045	3.56839	0.2583842	0.17056808	3.2201112	20	11 29.9	19.1
226588 2004 BJ_{23}	16.9	X	105.56348	152.01169	266.27666	4.95405	0.0865454	0.30969014	2.1636373	20	2 6.2	19.2
226589 2004 BY_{28}	17.5	X	308.14485	353.02653	109.35314	2.52471	0.1243651	0.28894681	2.2659872	20	—	—
226590 2004 BT_{47}	15.4	X	284.15054	11.12578	153.19109	2.46444	0.0993309	0.17442645	3.1724478	20	—	—
226591 2004 BY_{77}	16.6	X	58.76413	271.76759	328.55921	6.83638	0.0729444	0.26832763	2.3806330	20	8 22.8	19.4
226592 2004 BK_{102}	17.2	X	42.79574	113.41302	316.19812	5.58309	0.1429675	0.29699502	2.2248630	20	—	—
226593 2004 CB_{23}	15.0	X	190.69137	155.93986	117.82098	11.45830	0.1825667	0.17368208	3.1815058	20	—	—
226594 2004 CD_{23}	17.5	X	146.51691	242.91355	110.47488	7.01968	0.1351662	0.30517585	2.1849220	20	1 12.7	20.0
226595 2004 CQ_{26}	16.6	X	298.11197	213.24000	323.03102	1.88644	0.0799115	0.29587669	2.2304657	20	—	—
226596 2004 CY_{31}	17.1	X	145.99499	56.18464	293.36136	3.49276	0.2187941	0.30571453	2.1823547	20	1 17.4	20.0
226597 2004 CF_{37}	16.8	X	285.18323	247.82000	302.23017	7.17230	0.0648452	0.29514689	2.2341410	20	—	—
226598 2004 CC_{43}	17.0	X	202.37728	222.00214	23.67767	4.80314	0.1208133	0.28984451	2.2613060	20	—	—
226599 2004 CO_{56}	16.5	X	190.65076	240.45404	356.25594	5.24241	0.1239972	0.28569026	2.2831744	20	—	—
226600 2004 CQ_{64}	16.3	X	175.30786	200.99333	71.29197	10.66458	0.0918768	0.28991954	2.2609158	20	—	—
226601 2004 CV_{79}	16.9	X	156.77860	156.41292	128.45412	8.46269	0.0603376	0.28958885	2.2626367	20	—	—
226602 2004 CH_{84}	14.8	X	2.56545	58.27512	112.06892	1.72894	0.1698579	0.12468805	3.9681324	20	2 27.2	19.5
226603 2004 CC_{85}	17.0	X	209.42745	121.22219	66.58512	5.57059	0.0846477	0.28104139	2.3082837	20	12 15.0	19.9
226604 2004 CC_{86}	17.0	X	181.61098	121.15567	135.94294	2.16216	0.1328472	0.28797604	2.2710768	20	—	—
226605 2004 CD_{95}	15.9	X	186.03277	298.00952	301.73798	5.25545	0.1961310	0.28430140	2.2906042	20	—	—
226606 2004 CS_{115}	17.0	X	143.90256	282.87341	333.29676	4.51316	0.2108699	0.28121318	2.3073436	20	12 22.5	20.8
226607 2004 DC_{5}	16.8	X	124.95013	179.41819	69.27672	3.42922	0.1931295	0.27577071	2.3376023	20	11 27.1	20.3
226608 2004 DQ_{21}	16.6	X	178.81917	338.76899	247.89055	4.33730	0.0950743	0.28125680	2.3071050	20	12 27.4	19.5
226609 2004 DB_{22}	17.3	X	41.69028	105.73780	26.47242	4.71973	0.0729202	0.30523813	2.1846248	20	2 13.7	19.3
226610 2004 DO_{22}	16.8	X	138.39906	212.63132	171.73681	2.08828	0.0931191	0.30621515	2.1799754	20	2 7.2	19.4
226611 2004 DB_{24}	16.3	X	208.75531	310.60677	286.08156	6.93597	0.1035034	0.28945701	2.2633237	20	—	—
226612 2004 DN_{28}	14.6	X	358.55126	58.87965	121.61880	4.00498	0.1077763	0.12439710	3.9743174	20	3 7.0	19.6
226613 2004 DZ_{29}	16.9	X	156.10319	165.29534	84.57788	2.35034	0.2088530	0.28072911	2.3099952	20	12 24.9	20.7
226614 2004 DG_{40}	17.1	X	359.71228	134.82744	337.15933	6.26295	0.0409102	0.29577726	2.2309656	20	—	—
226615 2004 DJ_{43}	17.0	X	206.59741	348.71531	233.75642	1.54575	0.1799177	0.28437898	2.2901876	20	—	—
226616 2004 DL_{43}	16.8	X	173.72297	18.71981	234.51248	3.06468	0.1495562	0.28343483	2.2952707	20	—	—
226617 2004 DV_{46}	16.6	X	141.90332	36.16120	223.71724	5.32463	0.1620211	0.28011894	2.3133485	20	12 26.3	20.3
226618 2004 DE_{57}	16.6	X	141.24535	320.68616	304.53363	4.59819	0.1109035	0.28310355	2.2970609	20	—	—
226619 2004 DX_{78}	17.1	X	305.96127	166.46174	35.84497	5.45621	0.1003192	0.29959473	2.2119736	20	—	—
226620 2004 EW_{5}	17.0	X	179.71704	75.60464	139.77362	3.11889	0.1143888	0.27881495	2.3205558	20	12 11.8	20.2
226621 2004 EK_{6}	17.0	X	195.88686	53.63492	181.32232	2.25908	0.1090012	0.28494567	2.2871502	20	—	—
226622 2004 EJ_{7}	16.5	X	182.10502	211.21865	10.63808	7.07981	0.0673334	0.28026301	2.3125557	20	12 28.7	19.6
226623 2004 EY_{7}	16.9	X	202.17442	345.05017	249.44090	1.71134	0.1227095	0.28514430	2.2860879	20	—	—
226624 2004 EP_{30}	17.3	X	81.07391	59.24794	252.33326	1.68506	0.1359427	0.27788357	2.3257381	20	—	—
226625 2004 EX_{36}	17.1	X	297.34472	135.62776	30.21901	2.79446	0.0925879	0.29098535	2.2553916	20	—	—
226626 2004 EE_{40}	16.5	X	123.50651	209.07724	74.57818	3.95227	0.1927785	0.27982246	2.3149823	20	—	—
226627 2004 EE_{42}	16.1	X	241.10667	6.57911	186.70008	6.16429	0.1130177	0.28535653	2.2849543	20	—	—
226628 2004 ER_{53}	17.2	X	337.20223	96.23888	55.84446	7.65786	0.1446332	0.29588910	2.2304033	20	—	—
226629 2004 EX_{77}	17.7	X	47.22185	209.71045	270.38309	1.69097	0.1519376	0.30429977	2.1891136	20	2 6.1	19.2
226630 2004 EU_{91}	17.6	X	58.75180	230.16928	159.31428	4.34432	0.1143441	0.29121371	2.2542124	20	—	—
226631 2004 FH_{2}	16.8	X	262.22555	55.66099	144.52134	6.81949	0.1643893	0.28919726	2.2646787	20	—	—
226632 2004 FP_{3}	17.3	X	172.94798	21.70784	219.14941	2.58478	0.1838900	0.28151909	2.3056718	20	12 30.7	20.7
226633 2004 FN_{11}	16.9	X	301.67588	269.52750	263.93699	4.38331	0.1064447	0.29370601	2.2414419	20	—	—
226634 2004 FG_{13}	15.9	X	269.61606	269.20069	317.43187	6.81685	0.2732683	0.23233824	2.6205287	20	—	—
226635 2004 FF_{19}	16.9	X	225.11193	349.58998	243.24136	2.98611	0.0925635	0.28891567	2.2661500	20	—	—
226636 2004 FO_{21}	17.1	X	336.75826	298.61361	199.18678	6.62503	0.0438686	0.29394847	2.2402092	20	—	—
226637 2004 FU_{21}	16.9	X	201.58728	336.61444	256.39609	3.17713	0.0289024	0.28624216	2.2802387	20	—	—
226638 2004 FN_{35}	16.4	X	179.96289	232.74259	25.48067	5.71267	0.0998299	0.28430263	2.2905976	20	—	—
226639 2004 FG_{36}	17.0	X	338.90006	112.10885	29.09814	6.82375	0.1047664	0.29440803	2.2378773	20	—	—
226640 2004 FT_{49}	17.3	X	355.48961	274.46358	202.79232	5.31438	0.1016235	0.29392117	2.2403479	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226641 2004 FT_{64}	17.1	X	312.57013	80.45694	90.56205	1.62304	0.1244934	0.29269999	2.2465749	20	—	—
226642 2004 FZ_{64}	16.4	X	140.50711	71.13238	185.67118	6.56426	0.0913357	0.27504341	2.3417213	20	12 22.7	19.8
226643 2004 FS_{66}	16.5	X	97.75142	249.28483	48.38106	4.34249	0.1610946	0.27676392	2.3320064	20	—	—
226644 2004 FO_{69}	16.6	X	271.58850	120.45705	186.17750	11.34969	0.3011905	0.24155014	2.5534725	20	3 9.5	20.9
226645 2004 FP_{78}	17.4	X	91.68676	280.02868	3.58069	4.03781	0.1345445	0.27315952	2.3524757	20	12 6.6	21.0
226646 2004 FE_{85}	16.8	X	102.22524	223.84406	63.20710	7.83903	0.1265762	0.27486895	2.3427122	20	12 21.6	20.3
226647 2004 FP_{92}	17.9	X	302.86982	215.09361	334.31385	0.80262	0.1646239	0.29490099	2.2353828	20	—	—
226648 2004 FS_{106}	16.3	X	121.79880	81.69786	208.94903	5.73953	0.1234778	0.27881489	2.3205561	20	—	—
226649 2004 FX_{106}	17.5	X	258.17182	325.02892	222.70271	2.13925	0.1075272	0.28729353	2.2746722	20	—	—
226650 2004 FQ_{107}	17.0	X	270.63370	294.12953	211.14804	4.70631	0.1045779	0.28201358	2.3029758	20	—	—
226651 2004 FU_{107}	16.7	X	54.18362	213.26994	32.30981	9.70243	0.2075185	0.25746667	2.4471206	20	9 17.5	19.9
226652 2004 FT_{110}	16.6	X	178.20872	350.41065	224.40861	4.28634	0.1746775	0.27574509	2.3377471	20	12 3.4	20.1
226653 2004 FX_{127}	17.0	X	226.34409	271.09420	295.41640	2.41969	0.1058411	0.28420093	2.2911440	20	—	—
226654 2004 FV_{134}	16.8	X	94.73236	293.70974	314.53547	4.06379	0.1932074	0.26582124	2.3955740	20	10 27.9	20.7
226655 2004 FX_{135}	17.3	X	299.70360	126.40349	8.26171	1.77483	0.0511239	0.28619730	2.2804770	20	—	—
226656 2004 FV_{139}	16.1	X	93.62897	85.85428	222.91742	5.79878	0.1524728	0.27757519	2.3274603	20	—	—
226657 2004 FZ_{140}	17.2	X	200.66542	236.03997	344.09029	2.12580	0.1072036	0.28173832	2.3044755	20	—	—
226658 2004 FZ_{141}	17.1	X	48.43907	79.54820	2.07065	4.94605	0.1054337	0.29684857	2.2255947	20	—	—
226659 2004 FJ_{162}	17.0	X	18.29676	271.57399	76.64876	7.13896	0.1309872	0.27213605	2.3583703	20	12 4.3	19.7
226660 2004 GY_{1}	16.4	X	215.75712	122.21050	83.97583	7.07036	0.0697090	0.27945254	2.3170247	20	—	—
226661 2004 GC_{13}	16.6	X	228.45529	22.73951	213.11703	9.15476	0.1639030	0.28991329	2.2609483	20	—	—
226662 2004 GR_{13}	16.8	X	163.66412	281.67806	322.00772	5.90939	0.0834246	0.27772214	2.3266392	20	—	—
226663 2004 GV_{13}	16.3	X	71.62880	45.36192	260.95376	6.44986	0.1240957	0.27082905	2.3659517	20	12 13.7	19.6
226664 2004 GK_{17}	17.6	X	183.89863	160.85347	59.23016	3.84285	0.1709385	0.27734960	2.3287222	20	12 15.9	21.1
226665 2004 GD_{22}	17.5	X	59.39522	20.58530	234.93067	1.54770	0.1826885	0.26017498	2.4301087	20	9 29.4	20.6
226666 2004 GN_{23}	16.9	X	18.54717	288.33984	203.60245	21.45247	0.2197131	0.29815215	2.2191028	20	—	—
226667 2004 GK_{36}	16.1	X	95.31138	22.03208	241.36935	8.30500	0.1841551	0.26656704	2.3911037	20	11 17.4	19.7
226668 2004 GS_{44}	17.0	X	91.69588	298.82889	334.79652	2.47645	0.1448306	0.27116455	2.3639998	20	11 24.4	20.6
226669 2004 GJ_{46}	17.5	X	105.26841	216.25271	55.81063	2.33991	0.0955695	0.27215562	2.3582573	20	12 4.1	20.9
226670 2004 GY_{66}	17.5	X	30.96759	228.22227	237.75505	2.70232	0.1350602	0.29713375	2.2241704	20	—	—
226671 2004 GF_{80}	17.9	X	105.44195	139.41011	121.17229	0.82548	0.0355484	0.26928004	2.3750164	20	11 15.8	21.1
226672 2004 HH_{5}	15.9	X	26.90500	313.90434	45.24272	7.63496	0.1726250	0.27217088	2.3581691	20	—	—
226673 2004 HR_{5}	17.4	X	231.21157	285.20844	282.69783	3.63317	0.1690376	0.28383500	2.2931128	20	—	—
226674 2004 HV_{14}	17.3	X	250.80144	154.94737	12.28870	3.89130	0.1006308	0.28152642	2.3056317	20	—	—
226675 2004 HE_{18}	16.5	X	252.45269	311.03895	212.79277	5.32132	0.0320219	0.27792632	2.3254996	20	—	—
226676 2004 HQ_{28}	16.9	X	226.21164	110.03519	79.04538	6.08238	0.1015958	0.27855752	2.3219853	20	—	—
226677 2004 HX_{30}	17.4	X	197.01516	66.95016	146.64256	3.69495	0.1564688	0.27692725	2.3310894	20	12 23.3	20.6
226678 2004 HO_{34}	16.8	X	199.61220	185.94166	78.69572	7.55549	0.0820416	0.28429529	2.2906370	20	—	—
226679 2004 HP_{35}	17.0	X	183.71782	186.83434	13.96985	2.48761	0.1685707	0.27421062	2.3464603	20	11 20.7	20.4
226680 2004 HU_{35}	16.0	X	251.20175	333.11178	224.56981	23.48670	0.1578041	0.28226258	2.3016212	20	—	—
226681 2004 HJ_{43}	16.9	X	26.19183	22.40330	61.23670	7.98724	0.1108988	0.29249509	2.2476240	20	—	—
226682 2004 HP_{43}	17.4	X	249.85059	302.15589	243.42271	0.19217	0.1494488	0.28385252	2.2930185	20	—	—
226683 2004 HC_{51}	16.7	X	258.96699	283.36594	248.28217	5.17465	0.1326270	0.28253945	2.3001173	20	—	—
226684 2004 HF_{52}	17.0	X	219.77943	193.47327	218.78937	6.04277	0.1196113	0.25471608	2.4647061	20	6 19.3	20.7
226685 2004 HT_{54}	17.1	X	77.08854	173.73283	42.65952	2.93042	0.1688661	0.25771661	2.4455381	20	8 28.9	20.5
226686 2004 HZ_{57}	16.6	X	292.28893	46.10132	42.21719	6.72322	0.0749274	0.27199826	2.3591667	20	11 28.4	19.0
226687 2004 JG_{14}	16.7	X	294.78505	90.83644	56.05389	7.69629	0.1173254	0.28313489	2.2968914	20	—	—
226688 2004 JF_{15}	16.9	X	85.72313	201.83644	67.13793	3.19157	0.1574479	0.26443674	2.4039283	20	11 13.4	20.5
226689 2004 JH_{19}	16.6	X	126.81187	320.31710	275.37224	5.82452	0.0687578	0.26778997	2.3838184	20	11 7.9	19.9
226690 2004 JH_{20}	16.6	X	327.10414	42.24566	199.49004	4.10952	0.1929795	0.24046161	2.5611728	20	3 7.9	19.5
226691 2004 JA_{22}	12.8	X	311.98514	353.76765	41.26769	16.64097	0.1206567	0.08187564	5.2525021	20	9 15.8	19.5
226692 2004 JO_{25}	16.8	X	52.16009	28.35105	227.70102	1.46716	0.1782762	0.25626262	2.4547798	20	9 19.6	19.8
226693 2004 JX_{28}	17.1	X	10.15865	191.45877	89.89635	3.96119	0.1780179	0.25419622	2.4680654	20	8 18.0	19.3
226694 2004 JZ_{28}	17.2	X	120.16249	118.61860	105.56683	2.73804	0.1253447	0.26564769	2.3966173	20	10 21.3	20.7
226695 2004 JR_{29}	16.8	X	306.83922	73.11601	220.67535	9.83152	0.1848261	0.24390109	2.5370375	20	4 19.1	19.9
226696 2004 JS_{35}	16.6	X	72.72988	218.89788	36.48776	6.78258	0.1592275	0.26052846	2.4279101	20	10 13.7	20.0
226697 2004 JR_{43}	16.3	X	298.15357	188.70734	103.27967	6.23222	0.1757291	0.24270788	2.5453458	20	4 9.8	19.6
226698 2004 LS_{11}	16.4	X	204.20992	324.86399	265.03635	5.78403	0.1185936	0.27923611	2.3182218	20	—	—
226699 2004 LO_{17}	15.5	X	245.17236	208.31873	84.57049	15.07120	0.2397279	0.22891077	2.6466219	20	2 11.6	20.2
226700 2004 LP_{17}	16.0	X	290.06453	204.17154	84.51082	9.15423	0.1944852	0.23618000	2.5920336	20	3 25.5	19.7
226701 2004 NP_{3}	17.1	X	111.70063	248.00528	6.26490	2.76138	0.1595891	0.26283447	2.4136882	20	11 18.8	20.8
226702 2004 NY_{6}	15.9	X	134.79347	57.46393	285.36858	6.08463	0.2399868	0.21080069	2.7961129	20	1 13.0	20.1
226703 2004 NJ_{9}	16.4	X	290.90456	78.35458	234.35039	1.41484	0.1735662	0.23868695	2.5738522	20	4 24.9	19.6
226704 2004 NL_{17}	15.7	X	209.00426	165.17170	137.44301	15.32912	0.1081625	0.22138505	2.7062663	20	1 23.5	19.9
226705 2004 NF_{19}	16.1	X	26.45137	27.53541	191.66422	5.06088	0.2027437	0.24335084	2.5408605	20	6 15.1	18.4
226706 2004 NK_{24}	15.9	X	163.75907	148.30854	173.95573	8.02780	0.2674222	0.21381663	2.7697574	20	1 14.1	20.7
226707 2004 OO_{2}	16.9	X	0.37758	87.04679	177.08238	1.77071	0.1879876	0.24412707	2.5354716	20	6 25.2	18.9
226708 2004 OH_{7}	16.2	X	342.51409	154.09443	126.82537	7.20091	0.0877089	0.24289745	2.5440213	20	6 16.1	19.1
226709 2004 OR_{7}	16.4	X	268.76158	181.22320	121.18583	4.69412	0.1849869	0.23313656	2.6145431	20	3 17.4	20.3
226710 2004 OM_{11}	15.4	X	168.73162	269.51902	90.92255	13.97271	0.2271751	0.22091083	2.7101379	20	3 6.1	20.2
226711 2004 OM_{15}	17.0	X	141.06152	280.80936	46.93230	7.63784	0.2952203	0.21202761	2.7853158	20	1 6.8	21.6
226712 2004 PG_{1}	16.5	X	299.15916	226.72747	62.66987	5.79896	0.2025497	0.23510899	2.5998995	20	4 3.3	19.8
226713 2004 PS_{4}	16.4	X	175.82935	139.93209	249.27763	4.19043	0.1667989	0.22526703	2.6750852	20	4 5.4	20.8
226714 2004 PV_{13}	16.3	X	215.16537	242.39047	110.95696	3.58676	0.1396209	0.22824887	2.6517360	20	3 31.8	20.6
226715 2004 PW_{15}	16.2	X	151.67311	355.70068	346.86291	9.31324	0.1452648	0.21439842	2.7647444	20	1 21.5	20.6
226716 2004 PL_{19}	15.8	X	205.50832	7.66865	342.51474	9.04697	0.1300806	0.22522335	2.6754311	20	3 15.9	20.0
226717 2004 PK_{22}	16.1	X	169.24290	178.99756	136.75203	10.95494	0.1824486	0.21611580	2.7500781	20	1 6.4	20.6
226718 2004 PZ_{25}	16.3	X	173.48926	25.27865	324.84187	2.22676	0.1957390	0.22039349	2.7143773	20	2 19.5	20.9
226719 2004 PF_{34}	16.4	X	155.17620	237.63900	145.53882	14.02516	0.2103716	0.22055190	2.7130774	20	3 17.8	20.9
226720 2004 PU_{36}	16.4	X	176.62895	165.73736	203.84542	5.31095	0.0430556	0.22518064	2.6757694	20	3 8.4	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226721 2004 PA_{40}	16.0	X	169.09336	190.08185	169.26077	4.26328	0.1142237	0.22002682	2.7173920	20	2 21.9	20.0
226722 2004 PO_{49}	16.3	X	231.69597	232.77622	81.81106	3.39233	0.2016045	0.22640509	2.6661133	20	2 25.9	20.7
226723 2004 PL_{55}	15.7	X	166.71588	242.13719	95.66908	5.90066	0.1208447	0.21693427	2.7431566	20	1 26.8	19.9
226724 2004 PB_{62}	15.9	X	173.43406	266.56480	86.75260	14.48303	0.1175442	0.22304515	2.6928213	20	2 24.8	20.3
226725 2004 PP_{64}	16.0	X	141.44334	337.60271	11.00501	6.51434	0.1428513	0.21392858	2.7687910	20	1 17.5	20.2
226726 2004 PE_{68}	16.0	X	136.00664	88.24368	272.77094	5.33325	0.1367115	0.21498939	2.7596756	20	1 23.4	20.0
226727 2004 PL_{89}	15.8	X	289.60968	43.54575	239.00778	10.77093	0.1684236	0.23311520	2.6147027	20	3 10.8	19.8
226728 2004 PF_{92}	15.9	X	300.30078	352.87587	288.47844	14.05982	0.0872203	0.23231420	2.6207095	20	4 1.4	19.6
226729 2004 PJ_{92}	15.8	X	183.03264	217.71920	258.30140	12.25947	0.0228660	0.24357877	2.5392751	20	8 2.3	19.4
226730 2004 PB_{93}	15.9	X	154.36365	258.83599	115.49638	17.35261	0.2654184	0.21929731	2.7234152	20	3 12.9	20.9
226731 2004 PP_{98}	15.9	X	200.12500	246.57643	79.60404	7.78352	0.2467797	0.22102552	2.7092002	20	2 16.1	20.7
226732 2004 PU_{98}	15.9	X	227.89093	220.01665	90.89090	6.26607	0.1808204	0.22480159	2.6787764	20	2 20.2	20.4
226733 2004 PC_{102}	16.3	X	266.03706	237.77982	31.97260	12.66693	0.3436285	0.22903158	2.6456911	20	1 24.7	21.2
226734 2004 PJ_{105}	16.4	X	127.42950	193.82095	164.19439	2.57084	0.1595335	0.21346946	2.7727596	20	1 14.0	20.3
226735 2004 QP_{9}	16.3	X	101.67647	28.47051	8.32615	6.85565	0.3155971	0.21162157	2.7888774	20	2 24.9	20.3
226736 2004 QX_{10}	15.7	X	184.65263	245.79039	101.64065	10.81177	0.1097148	0.22084010	2.7107165	20	2 26.7	20.0
226737 2004 QA_{28}	16.6	X	147.37933	181.13528	157.59602	3.82768	0.0955611	0.21358334	2.7717739	20	1 4.9	20.6
226738 2004 RY_{1}	15.2	X	211.41579	172.21791	305.13453	26.19261	0.2172504	0.23992872	2.5649637	20	8 17.9	19.7
226739 2004 RD_{3}	15.4	X	166.29558	187.57933	270.20712	21.50052	0.0619661	0.23327022	2.6135442	20	6 21.2	18.9
226740 2004 RR_{4}	16.0	X	125.01989	327.30944	90.54279	7.35425	0.0427644	0.22074717	2.7114772	20	3 13.6	19.8
226741 2004 RH_{13}	15.8	X	233.35036	293.65792	13.15012	13.44552	0.1661812	0.22294545	2.6936240	20	2 23.9	20.3
226742 2004 RS_{14}	16.2	X	161.04721	99.96564	268.80108	2.70721	0.1152218	0.22022902	2.7157285	20	2 24.7	20.3
226743 2004 RN_{17}	16.0	X	210.22176	262.70502	66.23376	5.39237	0.0947888	0.22195835	2.7016042	20	2 28.6	20.2
226744 2004 RA_{19}	16.2	X	104.61711	195.82505	228.73346	6.06171	0.1321366	0.21778806	2.7359827	20	3 3.2	20.0
226745 2004 RC_{23}	16.2	X	247.77536	303.41996	15.83337	2.89097	0.1162443	0.22760048	2.6567699	20	3 22.4	19.9
226746 2004 RF_{23}	15.5	X	34.61069	1.43432	354.79499	12.44963	0.1041122	0.19532452	2.9419246	20	12 11.3	19.7
226747 2004 RK_{25}	16.3	X	240.53798	321.66555	345.38856	2.78305	0.0754977	0.22530716	2.6747676	20	3 2.7	20.0
226748 2004 RN_{26}	16.4	X	149.92037	301.84738	128.58946	3.90225	0.1318179	0.22743450	2.6580623	20	5 3.5	20.4
226749 2004 RY_{27}	16.6	X	152.14726	9.74344	328.25874	4.05383	0.1530587	0.21409328	2.7673708	20	1 15.6	20.8
226750 2004 RD_{28}	16.4	X	88.71430	101.29858	326.50438	8.22514	0.2116360	0.21464260	2.7626472	20	2 29.6	20.0
226751 2004 RE_{28}	16.3	X	137.57542	233.06048	154.62042	3.98133	0.2057082	0.21765630	2.7370867	20	3 5.1	20.5
226752 2004 RB_{40}	15.6	X	191.59431	227.02397	92.90320	10.61083	0.1183670	0.21762037	2.7373880	20	1 29.9	20.0
226753 2004 RA_{46}	16.6	X	106.31533	20.63371	3.52864	4.68427	0.1318626	0.21157490	2.7892876	20	1 19.4	20.4
226754 2004 RC_{50}	16.3	X	153.37729	164.11045	168.27089	8.70269	0.2178141	0.21265312	2.7798511	20	1 14.2	20.9
226755 2004 RW_{53}	16.4	X	192.00803	329.22751	70.02847	2.70615	0.0990141	0.22837669	2.6507465	20	5 4.9	20.3
226756 2004 RU_{61}	16.3	X	268.39525	311.06240	339.76817	3.29784	0.1141141	0.22622536	2.6675251	20	3 9.0	20.2
226757 2004 RX_{61}	16.3	X	124.46833	186.10343	173.22085	4.53959	0.2056167	0.21081706	2.7959681	20	1 18.1	20.5
226758 2004 RF_{62}	15.8	X	143.71262	35.50609	352.11453	5.00469	0.1304631	0.21803921	2.7338813	20	3 4.1	19.8
226759 2004 RE_{71}	16.4	X	107.66527	338.01666	29.02022	4.33587	0.1132351	0.20839122	2.8176244	20	—	—
226760 2004 RK_{74}	15.4	X	333.47417	226.38191	355.72422	11.39407	0.1322268	0.22506565	2.6766807	20	3 5.5	18.4
226761 2004 RL_{74}	16.6	X	232.56711	325.13708	17.05814	3.73955	0.1031714	0.22688144	2.6623802	20	4 4.8	20.5
226762 2004 RA_{77}	15.9	X	148.87145	248.18242	134.12507	5.65737	0.1506304	0.21666765	2.7454065	20	3 5.6	20.1
226763 2004 RB_{78}	16.3	X	150.85719	312.66213	56.31886	3.94769	0.1800013	0.21561425	2.7543413	20	2 23.5	20.6
226764 2004 RM_{87}	16.6	X	269.87818	52.59739	270.86855	0.96446	0.0958184	0.23202958	2.6228522	20	4 23.8	20.1
226765 2004 RO_{88}	15.5	X	90.05182	162.54210	219.37354	8.35219	0.1668094	0.21121536	2.7924520	20	—	—
226766 2004 RY_{97}	16.2	X	115.21082	150.60351	255.48649	3.55969	0.0544999	0.21801354	2.7340958	20	2 12.2	19.9
226767 2004 RE_{99}	16.2	X	151.62762	229.04651	196.62062	5.00906	0.1230098	0.22577710	2.6710548	20	4 27.7	20.3
226768 2004 RA_{108}	15.8	X	61.45066	285.42151	176.36308	9.28128	0.1245112	0.21456039	2.7633529	20	2 20.2	19.2
226769 2004 RA_{116}	16.4	X	232.15295	73.06681	190.35247	3.28560	0.1523860	0.21692168	2.7432628	20	—	—
226770 2004 RF_{116}	16.8	X	351.13304	189.17417	318.30714	2.34702	0.0317919	0.21443813	2.7644032	20	1 6.3	20.4
226771 2004 RL_{116}	15.7	X	126.16563	269.76571	88.04394	5.40266	0.0810119	0.21072748	2.7967605	20	1 2.9	19.4
226772 2004 RX_{119}	16.9	X	305.57246	112.25443	155.53571	6.81660	0.0606364	0.22910885	2.6450962	20	4 5.2	20.3
226773 2004 RP_{122}	16.0	X	103.68284	159.06598	357.90285	8.10498	0.1273384	0.23595034	2.5937154	20	7 4.0	19.8
226774 2004 RR_{125}	16.8	X	216.52318	349.91878	325.82132	4.55062	0.0534510	0.22074289	2.7115123	20	2 17.5	20.7
226775 2004 RA_{136}	16.6	X	87.09583	22.34913	50.89313	3.22102	0.0708520	0.21698508	2.7427284	20	2 15.8	20.1
226776 2004 RO_{138}	15.8	X	186.84486	56.13388	282.66646	12.85788	0.1151648	0.21984268	2.7189092	20	2 10.8	20.3
226777 2004 RB_{142}	16.3	X	47.29062	261.44311	197.80416	4.93423	0.0176868	0.21547435	2.7555333	20	1 18.4	20.1
226778 2004 RL_{142}	15.8	X	281.20997	103.80147	349.68444	8.53367	0.0781018	0.19089937	2.9872143	20	10 26.4	19.9
226779 2004 RW_{143}	15.7	X	110.00213	279.48941	128.33110	4.46620	0.0964248	0.21326907	2.7744962	20	2 16.5	19.5
226780 2004 RO_{144}	15.9	X	176.94797	151.86406	202.20524	12.92343	0.1829555	0.22063878	2.7123651	20	2 23.2	20.5
226781 2004 RJ_{145}	16.7	X	137.37387	240.50170	160.70009	5.04224	0.1208133	0.21963166	2.7206505	20	3 13.1	20.5
226782 2004 RB_{150}	16.1	X	154.44860	318.11141	27.33524	6.21217	0.1021929	0.21322689	2.7748620	20	1 23.4	20.3
226783 2004 RQ_{153}	15.7	X	136.07663	214.05065	201.52679	14.15490	0.1745488	0.22021758	2.7158226	20	4 2.5	19.8
226784 2004 RS_{155}	15.8	X	181.40542	118.67249	211.40484	7.69535	0.0914982	0.21661610	2.7458421	20	1 27.4	20.1
226785 2004 RP_{159}	15.6	X	101.88983	76.26522	288.53966	8.30494	0.1537992	0.20633081	2.8363511	20	—	—
226786 2004 RD_{160}	16.1	X	86.16676	116.44488	321.72676	5.98428	0.0405903	0.21769504	2.7367620	20	2 14.8	19.6
226787 2004 RQ_{166}	16.5	X	104.23388	244.14316	177.00535	9.78930	0.1648238	0.21668230	2.7452828	20	3 5.1	20.2
226788 2004 RV_{170}	15.5	X	184.69123	287.91099	7.50916	7.33068	0.2133151	0.21034781	2.8001248	20	—	—
226789 2004 RZ_{172}	15.9	X	262.16972	356.90554	230.33567	4.47974	0.0293340	0.21368222	2.7709187	20	—	—
226790 2004 RV_{174}	15.7	X	160.91077	144.19368	198.88535	12.64172	0.2006050	0.21626068	2.7488498	20	1 29.3	20.5
226791 2004 RH_{177}	15.8	X	166.46161	72.22502	284.04834	8.58653	0.1131811	0.21790258	2.7350240	20	2 13.5	20.0
226792 2004 RH_{180}	15.8	X	216.54989	19.81043	280.40591	4.35678	0.0930192	0.21802799	2.7339751	20	1 28.4	20.0
226793 2004 RT_{182}	15.7	X	158.89078	183.53680	195.18578	13.82290	0.1073318	0.21896449	2.7261741	20	3 3.8	19.9
226794 2004 RL_{183}	15.9	X	109.90752	193.70406	187.66763	13.94281	0.1983135	0.21014856	2.8018944	20	1 25.9	20.1
226795 2004 RU_{187}	15.4	X	139.25596	52.09360	313.03280	10.47250	0.1420734	0.21301396	2.7767109	20	2 2.6	19.4
226796 2004 RO_{188}	15.3	X	186.80121	59.01292	259.40992	7.06718	0.1145175	0.21437658	2.7649322	20	1 20.9	19.7
226797 2004 RG_{193}	15.6	X	141.42511	145.75362	262.54122	7.89768	0.1478331	0.21758300	2.7377014	20	3 24.4	19.9
226798 2004 RN_{201}	15.5	X	68.19030	105.08801	349.23285	8.35623	0.0964314	0.21252271	2.7809883	20	2 20.6	19.0
226799 2004 RU_{201}	16.6	X	173.79965	290.77293	21.54762	3.98493	0.0840872	0.20917728	2.8105612	20	1 1.6	20.9
226800 2004 RM_{202}	16.0	X	189.22079	162.93663	212.04809	5.74740	0.0660205	0.22348148	2.6893151	20	3 30.8	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226801 2004 RK_{205}	16.0	X	96.05689	13.32437	46.57516	10.44042	0.1475810	0.21222058	2.7836271	20	2 26.6	19.9
226802 2004 RF_{209}	15.3	X	122.91713	94.55922	249.00753	11.55911	0.1663924	0.20949318	2.8077350	20	—	—
226803 2004 RH_{211}	15.9	X	221.59010	77.65291	236.49019	11.63735	0.2738128	0.22256524	2.6966908	20	2 9.8	21.0
226804 2004 RB_{213}	15.6	X	68.05666	212.50248	264.02325	14.26849	0.1294387	0.21766174	2.7370411	20	3 14.9	19.3
226805 2004 RS_{216}	15.1	X	260.87323	67.90679	217.88288	24.58023	0.0625456	0.22103371	2.7091333	20	2 22.4	19.5
226806 2004 RV_{216}	15.3	X	176.71795	127.90996	233.13089	13.34330	0.1363678	0.21845331	2.7304253	20	2 27.5	19.9
226807 2004 RB_{217}	15.8	X	273.17166	56.08408	237.80359	12.00365	0.1792045	0.22633729	2.6666456	20	3 5.3	20.0
226808 2004 RC_{217}	15.5	X	123.85053	164.61156	238.79476	12.64553	0.1212556	0.21491886	2.7602793	20	2 24.2	19.7
226809 2004 RA_{222}	16.1	X	191.86813	166.90952	218.83821	2.38567	0.0809991	0.22465255	2.6799611	20	4 17.1	20.1
226810 2004 RL_{222}	15.9	X	71.72850	67.21138	182.85443	10.10499	0.0262856	0.18088976	3.0964214	20	9 3.2	20.3
226811 2004 RB_{225}	16.4	X	130.31829	16.57746	4.23041	4.17120	0.1393488	0.21458481	2.7631432	20	2 12.9	20.4
226812 2004 RN_{226}	15.7	X	262.55279	172.53879	250.23078	1.73968	0.0554554	0.17929401	3.1147667	20	8 27.2	20.1
226813 2004 RA_{227}	15.8	X	149.08474	35.43496	318.76648	3.50607	0.0851635	0.21115834	2.7929547	20	1 25.4	19.8
226814 2004 RM_{230}	16.0	X	112.86922	10.06607	334.86857	1.30873	0.0734202	0.20323852	2.8650489	20	—	—
226815 2004 RC_{231}	16.5	X	33.64908	81.84629	344.96871	1.43837	0.0550500	0.20208487	2.8759424	20	—	—
226816 2004 RE_{235}	15.8	X	131.27548	167.25450	184.62162	21.35546	0.1354908	0.21020756	2.8013702	20	1 6.8	20.3
226817 2004 RP_{239}	16.7	X	163.56410	122.65295	189.24339	4.10070	0.0520440	0.20995898	2.8035808	20	—	—
226818 2004 RM_{245}	16.7	X	109.24936	24.51415	10.16272	6.36547	0.0449592	0.21399931	2.7681809	20	1 24.0	20.5
226819 2004 RH_{254}	16.1	X	191.05820	270.62187	65.38432	5.91447	0.0618822	0.21917416	2.7244352	20	2 17.2	20.1
226820 2004 RR_{254}	15.6	X	158.55228	311.81353	51.71279	8.09139	0.2204230	0.21711110	2.7416669	20	2 28.5	20.3
226821 2004 RE_{259}	16.5	X	112.09796	179.08254	207.65863	3.92868	0.0873632	0.21254073	2.7808310	20	1 21.1	20.4
226822 2004 RV_{285}	16.3	X	145.67490	304.17848	18.25220	4.52443	0.0630079	0.20866957	2.8151182	20	—	—
226823 2004 RA_{287}	16.3	X	210.19535	96.67073	254.87924	5.08403	0.0418722	0.22350748	2.6891065	20	3 23.8	20.1
226824 2004 RW_{287}	15.3	X	349.07744	307.65338	29.45970	7.61001	0.1906502	0.18067568	3.0988668	20	9 14.6	18.6
226825 2004 RN_{295}	16.1	X	335.49042	207.16571	194.81206	3.75059	0.1068930	0.19051547	2.9912260	20	11 13.8	19.7
226826 2004 RC_{307}	15.6	X	191.23023	321.86263	66.07951	10.15397	0.2165034	0.22107449	2.7088001	20	4 22.3	20.3
226827 2004 RM_{315}	15.9	X	140.81793	309.78683	68.74785	10.42876	0.1749841	0.21705686	2.7421237	20	2 28.1	20.3
226828 2004 RR_{321}	15.2	X	257.42274	85.28553	313.77235	4.39050	0.1415177	0.17362251	3.1822334	20	7 10.2	19.7
226829 2004 RW_{323}	15.5	X	106.34622	165.68280	279.19943	8.26291	0.2830794	0.21461709	2.7628662	20	4 18.8	20.0
226830 2004 RH_{324}	16.2	X	98.38687	266.14115	128.03236	4.95327	0.0956638	0.21166834	2.7884666	20	1 15.1	19.8
226831 2004 RS_{324}	15.5	X	118.93683	184.83828	258.38102	8.07321	0.0674073	0.22042307	2.7141344	20	4 3.5	19.4
226832 2004 RA_{333}	15.7	X	118.70048	259.14153	150.65732	13.59573	0.1830877	0.21602994	2.7508068	20	3 12.5	19.8
226833 2004 RU_{334}	15.9	X	180.30763	227.68333	122.25672	8.68575	0.1025173	0.21978905	2.7193515	20	2 23.4	20.0
226834 2004 RL_{336}	16.9	X	172.44592	63.27645	268.22193	2.58560	0.0306353	0.21061233	2.7977798	20	1 18.5	20.9
226835 2004 RJ_{337}	16.4	X	184.28539	106.41463	209.18880	4.77269	0.0533451	0.21067877	2.7971915	20	1 13.3	20.5
226836 2004 SE_{13}	16.1	X	137.86709	312.13184	58.64641	4.96594	0.0858354	0.21471194	2.7620524	20	2 3.0	20.0
226837 2004 SZ_{16}	15.7	X	172.16511	210.53803	96.64131	9.32287	0.2145416	0.21208255	2.7848347	20	1 1.6	20.4
226838 2004 SL_{19}	15.9	X	106.47339	142.66677	288.92421	8.15084	0.1421330	0.21522812	2.7576345	20	3 14.4	19.9
226839 2004 SV_{22}	16.6	X	215.89110	81.88584	226.51801	5.52640	0.0198950	0.21402802	2.7679334	20	2 7.4	20.6
226840 2004 SR_{23}	16.4	X	328.32538	90.85501	35.98250	2.20704	0.0203142	0.20121375	2.8842370	20	—	—
226841 2004 SV_{23}	16.3	X	177.76120	60.44909	192.27843	6.99650	0.0903349	0.19868706	2.9086379	20	—	—
226842 2004 SV_{25}	15.8	X	186.14858	300.17003	23.91689	4.35231	0.2069281	0.21380703	2.7698403	20	2 2.0	20.5
226843 2004 ST_{30}	16.1	X	72.66832	135.93039	187.72852	2.30241	0.1797644	0.19537697	2.9413981	20	12 25.8	20.7
226844 2004 SF_{40}	15.7	X	101.20228	13.81750	28.85299	6.48379	0.0838874	0.21055561	2.7982821	20	1 30.3	19.5
226845 2004 SG_{40}	16.0	X	204.15499	313.38646	32.25263	5.87019	0.0870848	0.21988531	2.7185578	20	3 13.7	20.1
226846 2004 SJ_{45}	16.4	X	135.17328	135.25408	282.24613	1.82159	0.1406303	0.21916356	2.7245231	20	3 31.6	20.6
226847 2004 SM_{45}	15.7	X	111.42901	199.16405	200.25175	13.85582	0.0305364	0.21308339	2.7761078	20	1 25.3	19.8
226848 2004 SB_{46}	16.7	X	344.19328	41.21500	337.16590	1.45894	0.2393170	0.18589726	3.0405633	20	11 1.7	19.5
226849 2004 SX_{46}	16.0	X	105.57147	71.05518	330.39382	3.57028	0.0719162	0.21252417	2.7809755	20	1 30.5	19.8
226850 2004 SH_{47}	16.2	X	108.67000	119.30901	233.93095	4.93677	0.0745558	0.20408693	2.8571032	20	—	—
226851 2004 SO_{50}	15.9	X	164.48564	298.30300	25.01611	3.84760	0.0922656	0.20947311	2.8079144	20	1 5.8	20.1
226852 2004 SC_{57}	16.2	X	141.31488	203.90293	146.37893	5.02794	0.0993349	0.21190902	2.7863548	20	1 12.8	20.2
226853 2004 TD_{2}	16.7	X	87.93727	335.77930	10.43576	2.84229	0.1517217	0.20091105	2.8871333	20	—	—
226854 2004 TN_{4}	15.8	X	214.01196	265.12459	202.10833	3.75841	0.1776457	0.17450237	3.1715275	20	8 12.9	20.9
226855 2004 TR_{11}	16.6	X	61.13656	253.06072	199.72813	4.47048	0.1284902	0.21058865	2.7979894	20	2 8.9	20.0
226856 2004 TX_{11}	16.0	X	104.07114	57.21079	18.53426	4.85032	0.1058480	0.21703670	2.7422935	20	3 16.9	19.7
226857 2004 TU_{13}	16.2	X	135.12278	191.72241	178.12272	2.25427	0.0962593	0.21302374	2.7766260	20	1 29.1	20.2
226858 2004 TY_{13}	15.1	X	333.72872	332.33714	45.86484	10.69400	0.2242626	0.18056519	3.1001308	20	10 10.2	18.1
226859 2004 TZ_{14}	16.0	X	160.63771	265.76573	115.12901	2.49585	0.0876218	0.21817871	2.7327158	20	3 10.6	20.1
226860 2004 TS_{17}	15.8	X	258.45738	75.16768	14.43708	4.73675	0.2328486	0.17848644	3.1241550	20	9 2.0	20.3
226861 Elimaor	15.8	X	194.55511	113.67717	270.41640	5.08295	0.1456731	0.22185027	2.7024816	20	4 15.6	20.2
226862 2004 TE_{38}	16.2	X	154.18134	311.22226	24.87229	6.15387	0.0672940	0.20907328	2.8114932	20	1 8.1	20.3
226863 2004 TK_{38}	15.7	X	150.11745	84.98826	193.91027	8.61538	0.0616915	0.19850309	2.9104348	20	—	—
226864 2004 TC_{39}	16.0	X	177.29731	304.81423	29.18243	6.78097	0.0754918	0.21276984	2.7788344	20	2 1.3	20.2
226865 2004 TT_{40}	16.5	X	310.48819	235.65228	18.39069	2.02248	0.0223525	0.22218204	2.6997906	20	3 28.8	20.1
226866 2004 TH_{41}	15.9	X	158.44657	256.39718	88.16179	4.34271	0.1741834	0.21166724	2.7884763	20	1 31.6	20.4
226867 2004 TU_{46}	16.3	X	94.33409	220.20277	223.03959	3.24623	0.0752297	0.21382129	2.7697172	20	3 7.3	20.0
226868 2004 TP_{48}	16.1	X	221.93210	31.85417	170.02521	2.24915	0.0434744	0.19510525	2.9441284	20	—	—
226869 2004 TK_{56}	16.4	X	158.06681	0.19882	343.87548	3.89543	0.0761993	0.21217892	2.7839914	20	1 22.4	20.4
226870 2004 TD_{60}	16.2	X	101.24825	146.08019	222.85578	1.20776	0.0989896	0.20610780	2.8383968	20	—	—
226871 2004 TO_{73}	16.5	X	112.22162	277.02931	29.39726	2.21321	0.0350331	0.19492767	2.9459162	20	—	—
226872 2004 TX_{75}	15.4	X	352.09137	188.00154	203.96389	11.61553	0.1747740	0.18744629	3.0237890	20	12 2.6	18.9
226873 2004 TU_{78}	16.1	X	97.98598	49.81579	6.83185	5.99226	0.0190902	0.21307562	2.7761752	20	2 2.8	19.8
226874 2004 TP_{81}	16.2	X	339.15755	18.55041	215.09391	6.13198	0.0285085	0.22409235	2.6844256	20	4 8.2	19.7
226875 2004 TR_{83}	16.2	X	145.51799	173.44994	207.04068	4.86649	0.0702424	0.21555389	2.7548554	20	2 18.3	20.3
226876 2004 TB_{85}	16.6	X	55.66547	83.15543	334.59450	0.90635	0.1490906	0.20455096	2.8527806	20	—	—
226877 2004 TD_{93}	16.2	X	80.02657	159.78715	226.82429	1.18951	0.0776119	0.20321067	2.8653107	20	—	—
226878 2004 TD_{94}	16.4	X	144.49967	158.32970	205.92389	5.45876	0.0906840	0.21151447	2.7898188	20	1 31.1	20.6
226879 2004 TG_{97}	16.6	X	317.70327	233.51609	41.82305	2.55326	0.2014594	0.22948948	2.6421707	20	4 10.1	19.7
226880 2004 TY_{107}	16.1	X	100.77824	264.99714	136.93548	4.47874	0.0995261	0.21054583	2.7983689	20	1 28.6	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226881 2004 TF_{122}	15.7	X	298.78266	189.54027	184.46939	10.90606	0.1088091	0.17665848	3.1456692	20	8 4.2	20.0
226882 2004 TY_{122}	16.4	X	133.50819	283.16075	138.77072	3.50668	0.0825377	0.21940098	2.7225571	20	3 31.6	20.4
226883 2004 TF_{124}	16.0	X	149.02374	115.49594	219.93579	3.23624	0.1035337	0.21043862	2.7993192	20	1 4.0	20.0
226884 2004 TX_{126}	16.0	X	232.03291	239.69654	68.47262	6.40899	0.1103482	0.22000778	2.7175488	20	2 25.3	20.2
226885 2004 TS_{129}	16.1	X	138.11545	332.29495	9.36682	3.94436	0.1077778	0.20951421	2.8075471	20	1 1.0	20.2
226886 2004 TM_{130}	15.8	X	213.16407	285.82876	71.51719	7.76381	0.1014641	0.22366382	2.6878533	20	4 7.3	19.9
226887 2004 TO_{133}	15.0	X	32.82600	280.37627	47.43757	20.19866	0.1990764	0.18517861	3.0484249	20	11 15.4	19.0
226888 2004 TZ_{133}	15.8	X	86.16342	332.22289	73.73764	3.22955	0.0880989	0.20493332	2.8492310	20	1 14.3	19.4
226889 2004 TY_{134}	16.2	X	248.75691	256.63630	46.97397	3.57091	0.0690626	0.22241693	2.6978895	20	3 10.1	20.1
226890 2004 TK_{135}	16.0	X	50.47028	336.05774	46.55983	11.46392	0.1344574	0.19905831	2.9050203	20	—	—
226891 2004 TG_{139}	16.1	X	64.68655	191.30629	271.14837	3.63087	0.0867303	0.21417817	2.7666395	20	2 21.4	19.5
226892 2004 TZ_{143}	16.0	X	60.01340	341.76970	42.03418	2.20545	0.0230388	0.19869549	2.9085556	20	—	—
226893 2004 TQ_{144}	15.3	X	29.86521	1.67149	18.54807	10.48174	0.1201130	0.19196278	2.9761720	20	—	—
226894 2004 TR_{144}	16.6	X	54.71726	95.62272	291.96784	2.05951	0.1447042	0.19767409	2.9185662	20	—	—
226895 2004 TB_{145}	16.2	X	80.78218	352.70126	32.82382	11.17692	0.1345404	0.20193743	2.8773421	20	—	—
226896 2004 TK_{147}	15.9	X	174.30514	110.83868	241.10656	4.13194	0.0684571	0.21521660	2.7577329	20	2 14.9	20.0
226897 2004 TK_{153}	16.7	X	164.98729	297.85723	4.04643	1.53668	0.0578914	0.20539865	2.8449261	20	—	—
226898 2004 TQ_{153}	16.7	X	167.34814	100.57885	213.72880	0.77339	0.0754544	0.20819786	2.8193687	20	—	—
226899 2004 TS_{155}	16.3	X	106.58380	229.90395	183.08123	5.22035	0.0621500	0.21312660	2.7757325	20	2 11.9	20.0
226900 2004 TO_{156}	16.5	X	99.40982	281.90865	138.25427	1.83089	0.0386623	0.21318565	2.7752199	20	2 9.8	20.3
226901 2004 TL_{165}	16.6	X	138.05316	158.46419	219.00721	4.15186	0.0926626	0.21444695	2.7643274	20	2 9.0	20.7
226902 2004 TD_{168}	15.9	X	78.33557	317.89685	90.25509	3.30848	0.0578514	0.20726391	2.8278319	20	1 1.7	19.7
226903 2004 TS_{168}	15.8	X	144.92990	328.16517	43.42368	7.00281	0.0873499	0.21306323	2.7762828	20	2 13.7	19.9
226904 2004 TY_{173}	15.1	X	112.89285	10.44000	19.77952	15.70485	0.1391690	0.20488501	2.8496789	20	2 11.8	19.4
226905 2004 TN_{185}	15.5	X	260.66228	251.71770	11.50460	9.27638	0.1212569	0.21671690	2.7449906	20	1 30.6	19.8
226906 2004 TG_{190}	16.9	X	214.40802	295.44646	24.67964	4.73192	0.0359675	0.21720518	2.7408752	20	2 23.4	20.7
226907 2004 TG_{192}	16.8	X	294.21012	82.79220	155.28535	2.58268	0.0131811	0.21644397	2.7472977	20	2 17.8	20.5
226908 2004 TJ_{192}	16.5	X	286.50749	189.15958	63.63053	2.21584	0.0369958	0.21809616	2.7334053	20	2 24.3	20.1
226909 2004 TC_{196}	16.5	X	160.36300	357.62248	335.71838	1.74888	0.1466527	0.20969127	2.8059665	20	1 17.7	20.9
226910 2004 TF_{196}	16.5	X	169.10765	127.42187	229.67234	3.41607	0.1208360	0.21447894	2.7640525	20	2 19.2	20.9
226911 2004 TF_{198}	16.5	X	241.23354	158.85120	122.37270	0.47416	0.0322709	0.21333518	2.7739230	20	2 5.3	20.4
226912 2004 TG_{200}	16.8	X	348.35938	320.18765	153.02669	2.47087	0.0506873	0.20111485	2.8851825	20	—	—
226913 2004 TN_{201}	15.9	X	146.14220	226.99033	36.11719	13.27977	0.0307511	0.18975963	2.9991636	20	12 17.8	20.4
226914 2004 TC_{202}	15.9	X	212.41739	28.17360	271.84772	3.30492	0.0880226	0.20902448	2.8119307	20	1 25.3	20.1
226915 2004 TZ_{205}	16.4	X	74.84909	310.04619	60.31155	2.16991	0.0897346	0.19725391	2.9227094	20	—	—
226916 2004 TF_{207}	16.1	X	142.37121	262.10407	71.94792	3.07185	0.0686858	0.20267158	2.8703894	20	—	—
226917 2004 TH_{208}	16.1	X	125.81208	43.17110	37.93172	3.78435	0.1731328	0.21726929	2.7403360	20	4 24.9	20.2
226918 2004 TP_{208}	16.0	X	144.26573	3.59656	350.93889	7.54932	0.0491030	0.21131715	2.7915552	20	1 17.8	20.0
226919 2004 TS_{209}	16.5	X	66.95596	19.61666	16.57737	6.67494	0.0735976	0.20435120	2.8546394	20	—	—
226920 2004 TT_{221}	15.3	X	122.68280	316.34947	73.03830	9.09281	0.2328413	0.21172701	2.7879515	20	2 29.4	19.7
226921 2004 TO_{224}	16.4	X	171.72884	64.34434	219.66307	1.36254	0.0307310	0.20420302	2.8560202	20	—	—
226922 2004 TC_{239}	16.6	X	97.93196	154.09925	234.60123	1.14311	0.0796378	0.20588115	2.8404795	20	1 6.5	20.3
226923 2004 TT_{240}	15.4	X	143.76727	119.19772	247.57059	11.80151	0.1949964	0.21249832	2.7812010	20	2 9.2	20.1
226924 2004 TL_{245}	16.1	X	186.32772	277.09630	14.44649	3.92435	0.0701977	0.20808089	2.8204252	20	—	—
226925 2004 TN_{251}	16.8	X	110.55905	131.80103	284.08628	2.49109	0.0672666	0.21451784	2.7637183	20	2 21.5	20.4
226926 2004 TF_{253}	16.4	X	172.72414	180.79678	201.22136	5.17803	0.0579661	0.22036318	2.7146262	20	3 21.4	20.4
226927 2004 TU_{273}	16.5	X	154.95027	164.68949	260.80685	2.52976	0.1584437	0.21979734	2.7192831	20	5 1.8	20.7
226928 2004 TB_{276}	15.9	X	127.98993	118.24747	226.13598	5.55134	0.1050014	0.20312561	2.8661105	20	—	—
226929 2004 TG_{279}	16.1	X	156.49744	128.10478	217.25981	4.60598	0.0770390	0.21407937	2.7674907	20	1 20.1	20.2
226930 2004 TK_{279}	16.2	X	180.53640	148.48613	216.42885	5.54034	0.0404511	0.21904334	2.7255198	20	3 6.9	20.1
226931 2004 TT_{280}	16.0	X	359.70652	135.53809	31.66490	2.78300	0.0763917	0.20939484	2.8086141	20	2 10.4	19.5
226932 2004 TK_{282}	15.7	X	159.96320	262.67169	64.63569	4.61637	0.0960123	0.20927416	2.8096937	20	1 5.9	19.8
226933 2004 TV_{286}	15.6	X	127.31138	343.29034	50.03121	5.93055	0.1698028	0.21222930	2.7835508	20	3 1.3	19.8
226934 2004 TC_{292}	16.8	X	163.53261	291.32966	37.96202	4.12036	0.0945435	0.21026131	2.8008927	20	1 12.2	20.9
226935 2004 TV_{292}	16.6	X	18.34027	258.64512	191.70847	1.62937	0.0366007	0.20363894	2.8612919	20	—	—
226936 2004 TG_{299}	16.0	X	205.56180	52.97642	253.49712	7.30304	0.1260019	0.21398820	2.7682767	20	1 24.3	20.4
226937 2004 TH_{300}	15.4	X	333.43142	113.92576	343.36167	11.27234	0.1319451	0.19330169	2.9624131	20	—	—
226938 2004 TO_{309}	16.2	X	37.94170	101.82098	15.40083	6.22906	0.0074812	0.21266521	2.7797458	20	2 1.4	20.0
226939 2004 TO_{310}	15.2	X	63.64362	69.12328	274.98116	9.26404	0.0864876	0.19258125	2.9697966	20	12 29.4	19.4
226940 2004 TV_{317}	15.5	X	84.99022	94.49268	220.20298	10.71406	0.1370273	0.19323956	2.9630481	20	12 22.2	20.2
226941 2004 TQ_{329}	16.7	X	5.73881	53.56887	157.19480	1.47524	0.0459012	0.22855591	2.6493606	20	4 16.0	19.9
226942 2004 TS_{333}	15.9	X	252.33141	282.78041	213.01566	3.53915	0.0252738	0.18634339	3.0357084	20	11 20.0	20.0
226943 2004 TV_{335}	16.1	X	72.76316	249.81461	61.16403	1.98266	0.1423267	0.18835688	3.0140356	20	12 5.7	20.7
226944 2004 TZ_{344}	15.2	X	54.29068	63.46565	53.21966	12.91918	0.1183114	0.20914930	2.8108118	20	3 8.9	18.8
226945 2004 TK_{355}	15.6	X	24.20792	6.71853	65.01325	10.79038	0.1250802	0.20118611	2.8845012	20	—	—
226946 2004 TN_{355}	15.6	X	173.23457	272.19880	54.86570	13.57726	0.1935635	0.21324211	2.7747300	20	1 27.3	20.4
226947 2004 TU_{358}	16.3	X	126.28894	263.18072	125.22788	4.13994	0.1134625	0.21239592	2.7820949	20	2 14.1	20.2
226948 2004 TU_{366}	15.6	X	241.22469	69.36384	320.20803	9.20223	0.0816206	0.22736666	2.6585910	20	6 18.0	19.5
226949 2004 TU_{367}	16.6	X	216.87782	44.57224	211.79703	5.77131	0.0117024	0.20275243	2.8696262	20	—	—
226950 2004 UJ_{4}	15.4	X	262.28078	93.91030	313.34034	14.02695	0.0962516	0.23719421	2.5846396	20	8 6.7	18.8
226951 2004 VC_{13}	15.9	X	326.95980	316.49317	112.49993	6.53170	0.1468242	0.18629488	3.0362354	20	12 4.2	19.4
226952 2004 VX_{19}	15.7	X	357.91235	48.65701	46.22904	10.92493	0.0934493	0.19780195	2.9173084	20	—	—
226953 2004 VQ_{38}	15.8	X	166.46748	32.57064	232.72160	13.84935	0.2340371	0.19592370	2.9359235	20	—	—
226954 2004 VR_{40}	16.0	X	261.43235	85.22497	58.60459	12.16244	0.0993642	0.18720362	3.0264016	20	11 30.3	20.0
226955 2004 VY_{40}	16.4	X	342.47874	194.02231	223.27926	7.60982	0.0424263	0.18836304	3.0139700	20	12 9.8	20.4
226956 2004 VS_{43}	15.6	X	268.94961	264.11995	211.47996	8.37900	0.1079230	0.18365443	3.0652680	20	11 4.5	19.7
226957 2004 VC_{52}	15.1	X	226.76971	80.81516	65.57049	11.39307	0.0809273	0.18265433	3.0764467	20	10 27.9	19.7
226958 2004 VQ_{55}	15.1	X	63.09183	60.06690	340.95449	4.91060	0.1270353	0.19860714	2.9094182	20	—	—
226959 2004 VX_{64}	15.2	X	308.72939	33.57377	73.06739	15.68395	0.0522567	0.18815619	3.0161785	20	12 24.0	19.2
226960 2004 VX_{71}	16.4	X	355.07297	342.74246	71.02002	6.44626	0.0584952	0.19056809	2.9906753	20	12 23.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
226961 2004 VO_{72}	15.6	X	303.97336	75.23257	59.23391	4.20123	0.0958720	0.19210208	2.9747331	20	—	—
226962 2004 VY_{73}	16.0	X	139.51828	326.27923	84.93207	6.12340	0.1602014	0.21524289	2.7575084	20	4 3.4	20.3
226963 2004 VX_{80}	15.8	X	124.53656	299.45279	45.18137	10.39165	0.0947649	0.20269883	2.8701321	20	—	—
226964 2004 VC_{83}	16.1	X	164.79349	171.19670	45.28870	3.40493	0.0395776	0.18469388	3.0537563	20	11 12.9	20.6
226965 2004 VE_{88}	16.2	X	211.20958	136.70795	31.47830	8.97142	0.0398968	0.18374332	3.0642792	20	11 6.2	20.7
226966 2004 VM_{94}	16.2	X	172.46336	216.56671	67.75891	3.92006	0.0519287	0.19667119	2.9284798	20	—	—
226967 2004 VF_{96}	16.0	X	135.03131	318.88133	6.16062	5.52140	0.1320668	0.19900480	2.9055410	20	—	—
226968 2004 VV_{101}	15.8	X	205.37157	260.39419	45.59537	5.02858	0.0499076	0.21022512	2.8012141	20	1 27.2	19.9
226969 2004 VB_{107}	16.8	X	56.20060	207.23276	223.56982	7.71097	0.1525705	0.20356276	2.8620057	20	1 7.0	20.1
226970 2004 VS_{111}	15.2	X	44.50045	50.09308	352.01575	11.54952	0.0639868	0.19518373	2.9433391	20	—	—
226971 2004 VH_{112}	15.2	X	317.10729	69.42504	38.08766	11.08512	0.0741227	0.18927532	3.0042776	20	—	—
226972 2004 WV_{1}	15.8	X	219.09509	112.70375	51.55771	1.90442	0.1077475	0.18224845	3.0810127	20	11 3.5	20.4
226973 2004 WZ_{5}	15.7	X	58.85432	181.74719	269.10837	8.06123	0.0980922	0.20626915	2.8369164	20	1 30.5	19.3
226974 2004 XW_{13}	15.0	X	40.45779	247.66140	118.29681	25.63292	0.0816303	0.18901893	3.0069937	20	12 28.9	19.3
226975 2004 XM_{16}	16.5	X	196.94279	278.59232	272.67473	19.30687	0.0745035	0.37029361	1.9206073	20	12 29.5	18.0
226976 2004 XO_{17}	15.8	X	53.70561	346.66565	67.67642	2.86718	0.2162918	0.19699929	2.9252273	20	—	—
226977 2004 XE_{19}	15.0	X	237.58576	230.08287	255.17362	12.51647	0.1421730	0.17692389	3.1425225	20	9 27.1	20.0
226978 2004 XB_{20}	15.3	X	63.94174	123.35462	249.16984	8.38629	0.1380873	0.19303990	2.9650907	20	—	—
226979 2004 XG_{22}	15.5	X	313.97093	209.30881	238.35902	5.24569	0.1374807	0.18370492	3.0647062	20	12 4.4	19.1
226980 2004 XB_{23}	15.2	X	26.08517	288.54042	88.46201	10.54572	0.0797628	0.18598525	3.0396043	20	12 21.3	19.2
226981 2004 XJ_{27}	15.6	X	273.80850	86.03555	67.11726	8.75954	0.2269361	0.18454717	3.0553745	20	12 10.6	19.2
226982 2004 XN_{28}	14.8	X	312.51160	15.88377	79.69809	12.14024	0.1547039	0.18333482	3.0688294	20	12 11.1	18.2
226983 2004 XF_{31}	15.0	X	332.35755	177.57275	277.37553	10.14034	0.1007452	0.18584780	3.0411028	20	—	—
226984 2004 XS_{31}	15.6	X	260.24827	35.30490	78.75739	3.95457	0.1205025	0.17633896	3.1494680	20	10 20.2	19.9
226985 2004 XR_{35}	15.6	X	54.68864	237.95107	174.86106	12.24942	0.2147988	0.19851941	2.9102753	20	—	—
226986 2004 XC_{40}	15.8	X	155.34334	351.53132	75.92694	5.67213	0.0844460	0.21763609	2.7372561	20	5 2.6	19.8
226987 2004 XE_{44}	15.9	X	68.65605	339.78252	57.13154	2.80687	0.0604735	0.19772488	2.9180664	20	—	—
226988 2004 XW_{48}	15.1	X	131.07364	210.28308	31.52816	5.77311	0.1039328	0.17459549	3.1703998	20	11 6.3	20.1
226989 2004 XU_{54}	15.0	X	69.84013	53.21474	261.26165	8.85857	0.0493717	0.18218767	3.0816979	20	11 23.7	19.4
226990 2004 XC_{59}	14.9	X	334.38487	280.68644	92.18012	23.79876	0.1442424	0.17364603	3.1819461	20	10 14.3	19.2
226991 2004 XL_{61}	16.7	X	65.78946	50.24882	270.99826	18.28183	0.0781702	0.37210474	1.9143702	20	—	—
226992 2004 XG_{64}	15.1	X	0.83333	159.63374	277.54886	8.95432	0.0759634	0.19099383	2.9862293	20	—	—
226993 2004 XF_{70}	14.4	X	186.82887	305.73943	265.40642	26.33805	0.1058461	0.18539376	3.0460660	20	11 26.6	19.3
226994 2004 XZ_{70}	15.8	X	274.59317	89.09663	7.99126	3.61052	0.0532433	0.17561756	3.1580870	20	10 24.7	20.2
226995 2004 XL_{74}	15.1	X	27.96527	310.24755	87.71784	13.90238	0.2366589	0.19041931	2.9922329	20	—	—
226996 2004 XS_{74}	15.0	X	318.13164	315.94908	103.93889	19.07576	0.1548451	0.17800842	3.1297455	20	11 10.9	19.0
226997 2004 XA_{77}	15.4	X	138.02525	330.95460	95.48620	5.39696	0.0527565	0.21319630	2.7751275	20	4 10.1	19.4
226998 2004 XW_{78}	15.6	X	13.54186	218.32782	219.11113	2.11931	0.1624796	0.19333371	2.9620860	20	—	—
226999 2004 XZ_{78}	14.8	X	223.95911	126.63379	77.66057	11.21400	0.0494506	0.18759992	3.0221379	20	—	—
227000 2004 XN_{79}	15.9	X	98.47612	302.61049	59.39321	2.76101	0.0768966	0.19625587	2.9326098	20	—	—
227001 2004 XV_{80}	15.2	X	338.74759	164.46577	272.60123	9.37684	0.0995515	0.18592355	3.0402767	20	12 31.1	18.9
227002 2004 XQ_{88}	15.8	X	331.61252	358.72752	50.88507	1.90964	0.1423959	0.18241870	3.0790954	20	11 14.8	19.3
227003 2004 XF_{89}	15.3	X	40.58483	267.60262	44.96776	8.66412	0.0373685	0.17704995	3.1410307	20	10 16.4	19.7
227004 2004 XA_{97}	15.4	X	113.40997	297.66745	78.98009	8.98559	0.1019235	0.19819391	2.9134608	20	1 16.5	19.5
227005 2004 XR_{100}	16.2	X	266.33944	61.57772	51.63099	2.80062	0.1828288	0.17886124	3.1197891	20	10 17.4	20.5
227006 2004 XC_{102}	15.6	X	236.74894	110.93290	31.57667	19.62982	0.2020725	0.17520700	3.1630186	20	10 17.1	20.5
227007 2004 XO_{114}	15.1	X	236.80949	58.81776	106.35352	12.15351	0.0571201	0.17925283	3.1152437	20	12 2.4	19.6
227008 2004 XZ_{115}	15.6	X	10.55273	0.29482	327.95803	4.85614	0.1165805	0.17503552	3.1650841	20	9 29.6	19.5
227009 2004 XF_{121}	14.9	X	262.19048	197.18435	283.03942	15.09234	0.0758275	0.17722543	3.1389569	20	10 30.4	19.5
227010 2004 XD_{124}	15.2	X	281.12951	139.06601	346.71031	16.58633	0.2121020	0.18272027	3.0757065	20	11 12.6	19.3
227011 2004 XY_{125}	15.4	X	314.64729	48.59562	53.24017	18.16379	0.1779056	0.18311857	3.0712450	20	12 20.2	18.9
227012 2004 XJ_{129}	15.0	X	248.77068	94.50544	67.00639	11.50764	0.1561181	0.17941658	3.1133480	20	11 26.8	19.5
227013 2004 XP_{132}	15.6	X	152.31605	313.08539	88.50572	10.90846	0.2120902	0.21681339	2.7441761	20	4 9.6	20.3
227014 2004 XU_{133}	15.3	X	21.26006	141.39552	291.13907	6.82714	0.0375015	0.19588857	2.9362745	20	—	—
227015 2004 XN_{135}	15.3	X	340.01521	37.99242	21.34938	4.08512	0.1265527	0.18474278	3.0532174	20	12 11.5	18.9
227016 2004 XC_{137}	15.2	X	40.29885	281.74699	59.39539	12.57763	0.1293045	0.18336499	3.0684927	20	12 1.4	19.4
227017 2004 XM_{137}	14.9	X	28.09564	29.60924	48.72808	13.97783	0.1256425	0.19336237	2.9617933	20	—	—
227018 2004 XZ_{142}	15.6	X	320.39174	21.81211	17.22312	5.25558	0.1229689	0.17901800	3.1179675	20	10 12.1	19.2
227019 2004 XN_{149}	16.1	X	279.55418	68.28163	51.27197	2.09104	0.1425391	0.17956983	3.1115764	20	11 18.0	19.9
227020 2004 XS_{155}	15.4	X	3.23965	82.61543	104.57183	14.69501	0.1016189	0.20520237	2.8467400	20	3 18.4	19.1
227021 2004 XA_{168}	15.1	X	144.17887	136.56910	85.20771	6.30312	0.1304875	0.17393587	3.1784102	20	10 29.6	20.2
227022 2004 XG_{177}	15.7	X	131.14532	189.00208	47.39225	2.53902	0.0112465	0.17397249	3.1779642	20	10 27.5	20.3
227023 2004 XG_{180}	15.4	X	303.92809	164.94836	284.25199	11.26849	0.1117348	0.18099103	3.0952663	20	11 18.8	19.3
227024 2004 YC_{1}	15.0	X	258.05332	99.72922	53.99128	27.11525	0.1542189	0.17732325	3.1378024	20	11 25.7	19.4
227025 2004 YK_{24}	16.2	X	359.91315	198.80838	292.55807	2.55902	0.1070001	0.19521560	2.9430188	20	—	—
227026 2004 YA_{26}	15.7	X	336.49216	135.52179	289.67810	7.91049	0.0451754	0.17947805	3.1126371	20	12 8.9	19.8
227027 2004 YZ_{30}	14.7	X	351.13384	264.82604	100.84643	24.01919	0.1136992	0.17947007	3.1127293	20	11 1.3	19.0
227028 2005 AD_{10}	17.0	X	131.43630	284.57053	303.31617	17.27270	0.0619432	0.36384166	1.9432459	20	11 20.5	19.7
227029 2005 AB_{15}	15.6	X	279.18231	93.74486	13.54042	3.38188	0.1484190	0.17638719	3.1488939	20	10 30.9	19.6
227030 2005 AO_{16}	15.4	X	275.44724	17.61132	116.82387	3.09425	0.0641581	0.18134914	3.0911901	20	12 11.3	19.5
227031 2005 AW_{22}	15.6	X	287.18050	138.08145	324.37292	10.41151	0.1868137	0.17878809	3.1206400	20	10 27.7	19.7
227032 2005 AU_{25}	16.0	X	88.73000	124.92182	279.65360	7.58966	0.2209176	0.19997786	2.8961081	20	2 2.9	19.7
227033 2005 AM_{26}	15.7	X	290.61122	29.95758	71.69068	6.29616	0.1060473	0.17850722	3.1239125	20	11 16.8	19.8
227034 2005 AK_{27}	17.0	X	221.88674	58.25133	118.72547	24.95828	0.0219815	0.37182487	1.9153306	20	—	—
227035 2005 AG_{35}	15.2	X	285.27679	313.16512	127.63117	8.55754	0.1318053	0.17583010	3.1555416	20	10 13.1	19.4
227036 2005 AR_{45}	17.3	X	23.20305	33.62732	298.62645	16.82649	0.0801692	0.36351591	1.9444067	20	12 4.3	19.6
227037 2005 AX_{51}	15.4	X	299.72543	321.19881	88.39389	6.00215	0.1353390	0.17129989	3.2109336	20	9 22.9	19.5
227038 2005 AU_{54}	14.8	X	136.31975	173.83016	32.47720	13.88530	0.0497372	0.16878597	3.2427377	20	10 2.0	19.6
227039 2005 AU_{73}	16.2	X	277.65984	68.67749	32.66796	0.99372	0.1369028	0.17488367	3.1669159	20	10 23.3	20.3
227040 2005 AZ_{81}	15.7	X	264.34041	103.63045	57.87226	15.39332	0.2395965	0.17956191	3.1116679	20	12 3.1	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227041 2005 AL_{82}	16.0	X	285.71672	296.18747	152.50762	6.32029	0.1540323	0.17413395	3.1759994	20	10 18.7	20.0
227042 2005 BO_{2}	17.6	X	316.49097	76.11040	0.59358	20.89309	0.0794163	0.36901540	1.9250398	20	—	—
227043 2005 BF_{18}	14.9	X	310.18348	281.80332	104.20181	19.55047	0.2285414	0.17145951	3.2089405	20	8 30.6	18.8
227044 2005 BU_{23}	15.0	X	317.23621	101.66110	316.06021	15.74907	0.1377687	0.17646947	3.1479150	20	10 21.3	19.1
227045 2005 BZ_{27}	17.4	X	297.83046	260.41152	146.87922	23.74758	0.0992752	0.36034858	1.9557838	20	11 11.9	19.6
227046 2005 BE_{29}	15.3	X	256.54571	127.45603	4.75483	8.33138	0.1705012	0.17473824	3.1686729	20	10 26.6	19.9
227047 2005 CH	15.5	X	288.84006	29.12716	81.04227	5.80038	0.1435162	0.17735567	3.1374200	20	11 20.3	19.3
227048 2005 CQ_{4}	16.3	X	276.83450	140.24648	331.21755	7.18164	0.2315235	0.17515543	3.1636395	20	10 17.7	20.6
227049 2005 CN_{7}	15.5	X	265.41412	271.09671	206.87566	24.44613	0.3167896	0.17471361	3.1689708	20	9 29.3	20.1
227050 2005 CB_{22}	15.7	X	305.49135	120.69977	59.87674	4.50581	0.1689983	0.18834324	3.0141812	20	—	—
227051 2005 CY_{25}	15.0	X	154.92228	185.95388	96.57454	12.43468	0.1024468	0.18030206	3.1031464	20	—	—
227052 2005 CK_{45}	16.9	X	287.29089	114.36478	120.66284	5.17206	0.1518511	0.25707759	2.4495891	20	1 11.9	20.5
227053 2005 CP_{76}	15.3	X	283.63067	258.02133	208.36311	7.98320	0.1489655	0.17581640	3.1557055	20	11 6.4	19.4
227054 2005 EH_{38}	17.3	X	335.78112	359.86695	21.97198	20.47760	0.1040082	0.35931615	1.9595284	20	11 29.4	19.3
227055 2005 EE_{39}	15.7	X	278.05066	307.11182	176.98476	14.05592	0.2596358	0.17538027	3.1609350	20	11 6.1	19.8
227056 2005 EJ_{45}	15.9	X	275.33530	288.29669	193.37002	1.07466	0.1508772	0.17451875	3.1713292	20	11 12.5	20.0
227057 2005 ER_{93}	15.0	X	274.34471	95.08551	116.91948	14.77743	0.2189728	0.18127858	3.0919922	20	—	—
227058 2005 EA_{119}	15.0	X	288.67756	223.69677	292.88718	5.22979	0.0978510	0.17796246	3.1302843	20	—	—
227059 2005 EW_{153}	16.9	X	340.84466	12.47154	51.07988	23.85958	0.0980620	0.36614521	1.9350869	20	—	—
227060 2005 EB_{202}	15.5	X	273.02608	59.42764	49.65014	26.93153	0.2380724	0.17245970	3.1965215	20	10 20.9	20.0
227061 2005 EK_{209}	14.7	X	318.46572	146.98256	313.85687	27.08023	0.1504375	0.17895230	3.1187306	20	—	—
227062 2005 EX_{262}	14.5	X	301.07953	303.39902	291.62230	2.44138	0.1110650	0.12720902	3.9155320	20	2 19.5	20.0
227063 2005 EM_{291}	15.4	X	300.47284	110.93235	59.27513	5.98469	0.1054755	0.18076562	3.0978389	20	—	—
227064 2005 FB_{7}	15.0	X	241.23215	116.75180	94.80805	11.77269	0.0816874	0.17552667	3.1591771	20	—	—
227065 Romandia	14.4	X	283.78674	178.28542	61.29684	4.26893	0.0979540	0.12538839	3.9533431	20	2 9.1	20.1
227066 2005 GB_{26}	17.7	X	174.50528	293.87136	44.13804	1.61441	0.1907044	0.31311196	2.1478451	20	1 27.7	20.8
227067 2005 GC_{32}	17.5	X	150.06567	283.82212	1.85368	4.97171	0.1226809	0.30208148	2.1998175	20	—	—
227068 2005 GX_{92}	17.7	X	256.80397	205.85812	39.02699	6.80998	0.1687192	0.31141086	2.1556598	20	—	—
227069 2005 GK_{180}	17.3	X	144.53254	119.20106	73.06717	23.52796	0.0595434	0.35001715	1.9940827	20	10 29.6	20.1
227070 2005 HV_{1}	17.1	X	77.57650	231.07287	53.36564	6.55529	0.2136839	0.28313752	2.2968772	20	12 1.8	20.6
227071 2005 JF_{42}	17.3	X	35.21358	236.06532	71.75732	3.20320	0.2232973	0.27846445	2.3225026	20	11 18.7	20.0
227072 2005 JV_{43}	17.3	X	174.65490	263.01479	53.48699	5.51650	0.1746162	0.30647253	2.1787547	20	—	—
227073 2005 JO_{73}	17.3	X	169.66831	107.49429	208.07188	5.66537	0.1400806	0.30537318	2.1839807	20	—	—
227074 2005 JG_{89}	14.5	X	36.92030	121.14213	27.24473	2.88433	0.1489360	0.12565542	3.9477402	20	3 27.9	19.4
227075 2005 JQ_{104}	17.6	X	79.15086	65.48896	227.64827	2.48660	0.2203910	0.28366469	2.2940306	20	12 15.0	21.3
227076 2005 JT_{144}	17.8	X	150.70661	232.86873	102.77119	2.49902	0.2036948	0.30256594	2.1974686	20	1 3.1	20.6
227077 2005 LT_{18}	13.2	X	332.18747	183.84426	202.74071	12.14707	0.0868309	0.08404940	5.1615439	20	9 27.1	19.7
227078 2005 LZ_{18}	13.5	X	313.92980	192.04462	217.93014	16.37835	0.0667196	0.08526669	5.1123012	20	9 30.2	20.1
227079 2005 LD_{20}	18.0	X	117.51773	92.56432	210.26040	9.08145	0.1455382	0.29228299	2.2487112	20	—	—
227080 2005 LK_{30}	17.5	X	204.57327	351.22654	279.39619	7.62431	0.1225891	0.29922430	2.2137988	20	—	—
227081 2005 LM_{32}	17.0	X	74.60615	43.66268	210.10034	6.27008	0.1053284	0.27777037	2.3263699	20	10 7.6	20.2
227082 2005 LY_{49}	13.4	X	351.83072	166.11394	191.47843	14.18101	0.0976394	0.08136231	5.2745716	20	9 20.6	19.8
227083 2005 LV_{51}	17.9	X	173.50351	69.04204	179.76489	0.99475	0.1597329	0.29077002	2.2565050	20	—	—
227084 2005 LA_{53}	17.6	X	326.58158	57.51862	269.19668	0.44587	0.1833053	0.26111314	2.4242844	20	7 19.3	19.6
227085 2005 MZ	17.8	X	46.78332	18.84640	297.46254	0.64429	0.1980186	0.27336001	2.3513253	20	12 8.4	20.8
227086 2005 MY_{2}	17.4	X	95.59358	34.33755	248.91093	2.48839	0.2262888	0.27969112	2.3157070	20	12 16.3	21.3
227087 2005 ME_{8}	17.0	X	213.99002	300.67075	286.80770	7.05946	0.0415229	0.29116866	2.2544449	20	—	—
227088 2005 MJ_{9}	17.7	X	319.71626	356.58449	217.88322	2.68714	0.0923095	0.31009816	2.1617390	20	1 24.2	20.0
227089 2005 MX_{10}	17.8	X	156.31065	211.32357	105.53045	5.30761	0.1773764	0.30049587	2.2075491	20	—	—
227090 2005 MU_{17}	17.3	X	10.46077	236.60943	127.29068	3.33917	0.2206416	0.27458308	2.3443378	20	12 29.5	19.8
227091 2005 MC_{21}	17.7	X	154.64680	120.24739	162.06755	3.51546	0.1693491	0.29063680	2.2571945	20	—	—
227092 2005 MM_{21}	16.9	X	7.50897	108.30787	272.14077	1.24974	0.2258403	0.27574978	2.3377206	20	—	—
227093 2005 MZ_{25}	17.4	X	68.09174	176.50475	137.73497	3.17337	0.1819795	0.28021589	2.3128149	20	12 27.3	20.7
227094 2005 MF_{30}	17.1	X	121.35506	85.69333	233.11866	3.45569	0.1604797	0.28914074	2.2649739	20	—	—
227095 2005 MR_{36}	17.8	X	159.44602	177.23632	107.52993	4.97541	0.1702574	0.29236009	2.2483159	20	—	—
227096 2005 MU_{36}	17.7	X	345.18696	99.64949	91.29746	2.58145	0.0764480	0.30983551	2.1629605	20	2 2.2	19.7
227097 2005 MV_{36}	17.4	X	12.80809	5.39749	330.30940	1.71757	0.2319155	0.27149229	2.3620969	20	11 24.6	19.9
227098 2005 MU_{42}	17.4	X	87.89966	20.97598	261.19583	1.42490	0.1892303	0.27826861	2.3235922	20	12 6.2	21.1
227099 2005 MR_{49}	17.8	X	358.02771	235.72577	137.61411	1.71824	0.1913918	0.27448615	2.3448897	20	12 18.6	20.0
227100 2005 MM_{50}	17.2	X	348.07848	253.45942	132.74386	5.26059	0.2199646	0.27325359	2.3519358	20	12 24.0	19.3
227101 2005 NW_{13}	17.6	X	69.68303	105.84618	171.75611	2.52654	0.2191351	0.27228717	2.3574976	20	11 15.8	21.2
227102 2005 NH_{20}	16.8	X	82.68783	81.67473	237.41363	5.34341	0.1558923	0.28309531	2.2971054	20	—	—
227103 2005 NX_{24}	16.7	X	237.68954	155.77046	219.87110	5.19551	0.2246837	0.25118465	2.4877533	20	5 12.0	20.5
227104 2005 NO_{26}	17.1	X	146.34704	73.63597	229.79072	2.72249	0.1411554	0.29309917	2.2445347	20	—	—
227105 2005 NW_{28}	17.2	X	56.40355	165.04105	179.59097	3.69095	0.2052882	0.28016578	2.3130907	20	—	—
227106 2005 NL_{35}	16.8	X	91.42604	19.95316	301.82519	7.05998	0.1740093	0.28463294	2.2888251	20	—	—
227107 2005 ND_{36}	17.8	X	175.56143	165.89120	131.64857	3.26182	0.1861362	0.29616190	2.2290335	20	—	—
227108 2005 NH_{36}	17.4	X	340.88687	243.86934	139.51871	4.18257	0.2419754	0.27061652	2.3671903	20	12 7.8	19.1
227109 2005 ND_{43}	17.7	X	143.81973	102.43847	195.28495	3.62996	0.1450057	0.29090149	2.2558251	20	—	—
227110 2005 NT_{48}	17.5	X	13.51811	275.70638	101.78373	3.61675	0.1815756	0.27803855	2.3248738	20	—	—
227111 2005 NH_{52}	17.2	X	124.81401	307.66325	318.16149	4.44221	0.2453870	0.28379216	2.2933435	20	12 18.9	21.1
227112 2005 NG_{54}	17.7	X	65.19965	167.42047	211.08936	2.35015	0.1533203	0.28759612	2.2730764	20	—	—
227113 2005 NM_{55}	17.1	X	29.65154	3.56860	323.11185	7.65689	0.2730468	0.27397655	2.3477965	20	12 12.2	20.3
227114 2005 NP_{57}	17.3	X	334.36037	257.18795	122.17389	4.96933	0.1733451	0.26975442	2.3722311	20	11 8.8	19.2
227115 2005 NW_{61}	17.6	X	347.79771	270.54860	122.61713	3.25295	0.1827231	0.27487231	2.3426931	20	12 28.1	19.6
227116 2005 NM_{64}	17.3	X	259.25981	350.80984	201.32660	3.05459	0.0852174	0.29360201	2.2419712	20	—	—
227117 2005 NU_{64}	17.2	X	63.64233	103.70289	199.09163	2.56690	0.1626374	0.27695061	2.3309583	20	12 6.2	20.6
227118 2005 NL_{77}	17.1	X	129.31454	81.09325	215.94942	5.09293	0.0351871	0.28696389	2.2764138	20	—	—
227119 2005 ND_{85}	16.7	X	334.06276	181.12494	176.58398	8.12357	0.1936490	0.26722406	2.3871828	20	10 2.3	18.2
227120 2005 NE_{85}	15.9	X	290.03881	99.60927	213.21660	13.29026	0.2070295	0.25180426	2.4836706	20	4 17.8	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227121 2005 NA_{122}	16.7	X	323.11138	358.10369	11.67758	6.50133	0.1430195	0.26542003	2.3979875	20	9 25.6	18.8
227122 2005 NW_{122}	16.5	X	17.94204	248.53519	102.81170	7.50915	0.1685832	0.27420198	2.3465095	20	12 14.9	19.3
227123 2005 NR_{123}	17.3	X	309.74395	113.10469	279.66402	2.42315	0.1300258	0.26545197	2.3977952	20	10 2.3	19.5
227124 2005 OE_{2}	16.9	X	317.43647	268.80781	81.20385	5.40745	0.3152943	0.26199267	2.4188557	20	7 15.5	18.3
227125 2005 ON_{3}	16.8	X	58.49234	232.74293	85.59853	4.95355	0.2583410	0.27800316	2.3250710	20	12 29.8	20.3
227126 2005 OP_{4}	16.7	X	44.14385	305.54598	57.38390	5.95686	0.2877737	0.27846357	2.3225075	20	—	—
227127 2005 OB_{6}	16.1	X	268.67639	307.83384	333.22218	14.84178	0.1032105	0.24195999	2.5505882	20	2 25.4	19.7
227128 2005 OJ_{7}	16.9	X	75.72393	209.50500	83.69506	3.73057	0.2050356	0.27586042	2.3370955	20	12 9.6	20.4
227129 2005 OE_{9}	16.9	X	45.11127	316.49804	356.40812	5.05102	0.2353953	0.27393981	2.3480064	20	12 6.2	20.3
227130 2005 OT_{9}	17.1	X	151.22553	298.46213	11.56276	3.93642	0.1127672	0.29257761	2.2472014	20	—	—
227131 2005 OB_{10}	17.5	X	43.37261	214.90437	94.65995	2.44540	0.1983315	0.27286252	2.3541825	20	11 26.1	20.7
227132 2005 OJ_{10}	16.9	X	61.83950	326.70061	358.89800	5.43362	0.1169828	0.27803992	2.3248661	20	12 28.9	20.1
227133 2005 OR_{11}	16.7	X	46.91015	185.88054	144.92841	10.55151	0.1732659	0.27630805	2.3345707	20	12 25.1	20.1
227134 2005 OR_{12}	16.8	X	6.84773	13.07692	0.69442	5.16793	0.1591115	0.27311348	2.3527401	20	12 27.7	19.4
227135 2005 OE_{13}	16.8	X	1.43475	294.45243	72.26032	4.70918	0.1493147	0.27113664	2.3641621	20	12 6.7	19.3
227136 2005 OL_{14}	17.2	X	51.36113	332.41397	324.88227	2.10895	0.2230382	0.27370937	2.3493241	20	11 21.6	20.5
227137 2005 OE_{15}	16.8	X	45.22349	331.51003	21.21487	2.77072	0.2243358	0.27963147	2.3160363	20	—	—
227138 2005 OH_{15}	17.0	X	202.76174	250.24621	28.12784	7.61957	0.1251306	0.29877380	2.2160236	20	—	—
227139 2005 OG_{26}	17.2	X	107.07329	158.00393	156.48041	3.77112	0.2507397	0.28513555	2.2861346	20	—	—
227140 2005 OT_{27}	17.1	X	51.56908	265.49393	89.25074	3.05759	0.1407272	0.27960965	2.3161568	20	—	—
227141 2005 PJ	17.3	X	343.87186	306.63082	55.29863	2.23024	0.2041852	0.27060213	2.3672743	20	11 4.0	19.1
227142 2005 PL_{1}	17.3	X	308.30423	9.26041	14.70191	2.18954	0.2152136	0.26419903	2.4053700	20	9 7.9	19.2
227143 2005 PT_{1}	16.8	X	10.21512	15.34143	343.48600	7.04789	0.2170973	0.27222882	2.3578345	20	12 21.1	19.5
227144 2005 PG_{2}	16.8	X	124.75659	65.42119	253.66226	4.48326	0.1851287	0.28848753	2.2683916	20	—	—
227145 2005 PX_{2}	17.3	X	50.12995	335.20113	331.17750	5.73290	0.2417586	0.27432112	2.3458301	20	12 3.9	20.8
227146 2005 PB_{3}	17.4	X	38.65075	158.51346	148.49440	2.94747	0.2047554	0.27182337	2.3601786	20	11 18.4	20.3
227147 2005 PW_{5}	17.4	X	351.22728	48.09439	290.60436	3.53502	0.1946940	0.26654487	2.3912363	20	10 8.9	19.3
227148 2005 PW_{10}	17.2	X	306.28281	353.40162	59.15277	3.20745	0.2035978	0.26807566	2.3821245	20	10 24.2	18.8
227149 2005 PE_{14}	17.3	X	43.47608	229.09983	107.26986	2.88103	0.1942009	0.27561366	2.3384902	20	12 30.4	20.4
227150 2005 PM_{15}	17.7	X	339.69792	210.53151	109.68242	1.91772	0.2412294	0.26181741	2.4199350	20	8 10.1	18.8
227151 Desargues	17.6	X	30.93159	4.01674	307.24188	0.55425	0.1915510	0.27092676	2.3653829	20	11 10.6	20.3
227152 2005 PJ_{20}	17.5	X	352.21364	187.30528	156.17410	3.82513	0.2031928	0.26776458	2.3839692	20	10 24.5	19.4
227153 2005 PQ_{23}	16.1	X	116.01075	12.68929	251.58002	12.21032	0.1747586	0.27626443	2.3348164	20	12 8.2	19.6
227154 2005 QQ_{1}	17.8	X	29.97636	101.52524	201.09369	1.88892	0.2207712	0.26964432	2.3728769	20	11 2.4	20.5
227155 2005 QD_{6}	17.2	X	85.30643	2.59203	298.48509	1.61485	0.2358001	0.27870056	2.3211907	20	12 29.8	20.9
227156 2005 QY_{8}	17.2	X	15.24399	189.77622	142.68441	2.70071	0.2198259	0.26897200	2.3768293	20	11 22.3	19.7
227157 2005 QR_{10}	16.6	X	331.15634	10.30798	342.79158	7.73072	0.2433545	0.26244590	2.4160701	20	9 12.9	17.9
227158 2005 QW_{11}	16.8	X	357.77590	216.63757	117.57831	6.22732	0.2499060	0.26751793	2.3854343	20	10 31.4	18.8
227159 2005 QZ_{11}	16.3	X	222.46462	66.55124	282.24348	4.54076	0.0839600	0.24439234	2.5336366	20	3 30.8	20.2
227160 2005 QP_{13}	17.1	X	356.06894	191.24385	159.52481	5.66581	0.1324591	0.26812125	2.3818545	20	11 3.1	19.5
227161 2005 QT_{13}	17.0	X	15.34002	168.46632	159.15698	9.98868	0.1808704	0.26867253	2.3785952	20	11 11.5	19.7
227162 2005 QH_{15}	17.5	X	340.11521	76.44377	260.62799	1.12466	0.2190753	0.26320995	2.4113922	20	9 10.4	18.9
227163 2005 QE_{18}	17.2	X	297.03793	224.15694	155.50602	5.28050	0.2085121	0.25893841	2.4378392	20	8 5.1	19.6
227164 2005 QX_{23}	17.7	X	311.99445	314.89202	24.09502	2.78155	0.2185208	0.25692248	2.4505749	20	6 30.8	19.8
227165 2005 QK_{35}	16.6	X	358.06925	21.05646	356.83811	8.04689	0.1197388	0.27140205	2.3626205	20	12 11.7	19.3
227166 2005 QD_{36}	17.2	X	31.11636	171.09258	146.20628	2.41756	0.1902843	0.26909874	2.3760830	20	11 19.4	20.0
227167 2005 QJ_{36}	16.9	X	359.11486	337.12506	358.85695	5.62602	0.2452248	0.26578455	2.3957945	20	10 30.1	18.9
227168 2005 QL_{36}	17.3	X	38.45035	159.08122	156.97560	2.60218	0.1916848	0.27017999	2.3697394	20	11 27.5	20.3
227169 2005 QB_{37}	16.4	X	12.66180	30.84276	299.35986	3.99568	0.2142562	0.26732069	2.3866075	20	11 11.4	18.9
227170 2005 QQ_{38}	17.0	X	326.92043	237.68946	137.35425	4.68865	0.1451537	0.26651768	2.3913989	20	10 14.2	19.0
227171 2005 QF_{41}	16.0	X	155.02161	20.67157	328.65756	10.79159	0.1570723	0.22963955	2.6410194	20	1 31.4	20.1
227172 2005 QP_{41}	17.3	X	12.38507	147.18882	198.65332	4.78801	0.1669199	0.26988343	2.3714751	20	11 27.9	19.8
227173 2005 QT_{41}	17.0	X	88.21863	94.15382	193.58697	5.70362	0.1555038	0.27600743	2.3362655	20	12 11.3	20.5
227174 2005 QU_{41}	17.2	X	134.79627	34.73050	252.74820	2.42467	0.2241940	0.28562620	2.2835158	20	—	—
227175 2005 QP_{42}	17.0	X	344.87431	246.69759	127.59775	2.16434	0.1982558	0.26834294	2.3805425	20	11 24.6	19.0
227176 2005 QW_{43}	17.1	X	133.05416	145.86704	129.08107	3.75907	0.2045436	0.28370215	2.2938286	20	—	—
227177 2005 QY_{45}	17.0	X	300.23638	298.92646	150.16051	7.35422	0.0620537	0.27430108	2.3459443	20	12 15.3	19.7
227178 2005 QX_{46}	16.7	X	351.04134	276.84993	87.56923	2.40549	0.1825853	0.26831082	2.3807324	20	11 19.5	18.7
227179 2005 QL_{48}	17.1	X	345.43926	256.67819	67.54036	2.98840	0.2066013	0.26204613	2.4185267	20	9 4.4	18.7
227180 2005 QU_{49}	16.7	X	350.78572	288.90179	71.06113	4.31769	0.1950528	0.26715862	2.3875726	20	11 13.9	18.7
227181 2005 QU_{50}	17.2	X	105.31443	248.03725	46.59038	2.81939	0.2066230	0.27984998	2.3148305	20	—	—
227182 2005 QW_{52}	17.4	X	30.92167	305.10897	39.09025	1.36674	0.2332777	0.27468728	2.3437450	20	12 31.5	20.5
227183 2005 QG_{54}	17.3	X	20.36093	112.94576	204.22696	1.47980	0.2010412	0.26818268	2.3814908	20	11 4.8	19.9
227184 2005 QZ_{54}	17.4	X	23.52764	234.14020	100.21896	2.48601	0.2015816	0.27121878	2.3636847	20	12 3.9	20.2
227185 2005 QL_{55}	17.0	X	326.40478	327.07545	33.03716	3.53381	0.1863088	0.26280311	2.4138802	20	9 16.2	18.8
227186 2005 QV_{55}	17.2	X	335.15334	355.44120	351.67960	2.54973	0.2092590	0.26238847	2.4164226	20	9 14.7	18.8
227187 2005 QL_{57}	17.2	X	348.69381	69.33967	251.91382	1.60315	0.2075474	0.26330596	2.4108060	20	9 4.9	18.9
227188 2005 QH_{60}	16.6	X	341.54444	327.71352	50.10778	7.58868	0.1291597	0.26915148	2.3757726	20	11 14.2	18.8
227189 2005 QS_{67}	17.4	X	319.08680	68.41527	18.17946	2.81375	0.1709274	0.27427870	2.3460719	20	—	—
227190 2005 QA_{68}	17.0	X	143.52092	239.89649	49.57679	4.49703	0.2576513	0.28938770	2.2636850	20	—	—
227191 2005 QZ_{68}	16.4	X	18.60232	243.99831	96.30012	9.67053	0.1212485	0.27111136	2.3643090	20	11 24.0	19.2
227192 2005 QT_{69}	17.0	X	182.65826	57.87611	222.58815	1.60490	0.1573074	0.29287313	2.2456894	20	—	—
227193 2005 QS_{70}	16.9	X	315.89306	250.83550	164.02459	2.24454	0.2053189	0.26773935	2.3841189	20	11 21.5	18.4
227194 2005 QE_{72}	17.1	X	53.50976	344.68202	319.30118	0.79893	0.2005180	0.27212055	2.3584599	20	11 29.9	20.3
227195 2005 QT_{74}	17.2	X	309.84704	223.44464	179.98546	8.02970	0.2144760	0.26456513	2.4031506	20	10 16.4	18.9
227196 2005 QW_{76}	16.5	X	201.51560	358.59370	25.17768	6.02611	0.0874635	0.24539996	2.5266964	20	4 23.8	20.1
227197 2005 QK_{78}	16.8	X	296.13431	156.76202	315.73110	2.84199	0.1086272	0.27590759	2.3368291	20	—	—
227198 2005 QG_{82}	16.9	X	358.00061	260.23324	141.03437	7.12299	0.1150372	0.27664753	2.3326604	20	—	—
227199 2005 QS_{95}	17.6	X	359.69015	24.20493	70.80407	2.15712	0.1474226	0.28630657	2.2798967	20	—	—
227200 2005 QQ_{97}	16.8	X	31.12001	237.60621	108.98660	3.74243	0.1834294	0.27408332	2.3471867	20	12 27.7	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227201 2005 QY_{103}	17.2	X	316.07655	231.36015	193.15520	5.52013	0.2212957	0.26974655	2.3722773	20	12 9.7	18.7
227202 2005 QG_{107}	16.7	X	133.69927	252.28500	33.55236	6.63094	0.1407494	0.28371620	2.2937529	20	—	—
227203 2005 QY_{111}	17.2	X	330.24124	258.38835	187.77082	2.77380	0.0876680	0.27800079	2.3250842	20	—	—
227204 2005 QZ_{119}	18.0	X	284.15614	69.08973	335.60252	0.94900	0.1575360	0.26259882	2.4151320	20	8 29.9	20.3
227205 2005 QM_{139}	17.3	X	74.55255	276.86034	21.01973	2.39209	0.2027542	0.27477252	2.3432602	20	12 13.6	20.9
227206 2005 QC_{145}	16.8	X	248.62077	285.21733	120.11997	7.25466	0.2271011	0.25350443	2.4725534	20	6 30.1	20.3
227207 2005 QK_{145}	16.8	X	358.92172	262.60410	71.91262	5.72769	0.2439209	0.26575804	2.3959538	20	10 31.3	18.7
227208 2005 QD_{148}	16.8	X	28.07331	349.15367	50.81683	7.05148	0.1226650	0.28166969	2.3048498	20	—	—
227209 2005 QC_{150}	17.0	X	319.62821	294.42149	114.13992	3.11592	0.1621427	0.26732263	2.3865960	20	11 19.4	18.8
227210 2005 QH_{152}	16.5	X	28.45643	332.66396	339.14683	5.69617	0.1535636	0.26764679	2.3846685	20	10 29.6	19.3
227211 2005 QB_{156}	16.0	X	242.61847	112.27558	294.20898	13.62203	0.1633633	0.25209866	2.4817366	20	7 3.6	19.5
227212 2005 QN_{159}	16.6	X	41.69493	262.83296	75.80868	4.38940	0.0789050	0.27513597	2.3411962	20	12 15.6	19.6
227213 2005 QP_{164}	16.3	X	91.09380	276.27479	4.58600	11.60310	0.2136280	0.27517889	2.3409527	20	12 6.3	20.3
227214 2005 QU_{177}	17.1	X	343.44672	237.95121	97.08484	3.68121	0.1907949	0.26145028	2.4221999	20	9 17.1	18.9
227215 2005 QK_{178}	17.0	X	341.53268	337.99098	39.94474	6.94939	0.1508108	0.26760357	2.3849253	20	11 15.5	19.2
227216 2005 QA_{179}	17.0	X	318.09804	69.01300	336.17045	3.20919	0.1311143	0.26912343	2.3759377	20	11 8.6	19.1
227217 2005 QR_{182}	17.6	X	71.46656	201.23629	257.20945	1.82770	0.1008358	0.29904087	2.2147039	20	2 15.4	19.6
227218 Rényi	17.4	X	13.88997	311.06325	18.37906	1.39225	0.2004721	0.26813081	2.3817979	20	11 11.3	19.8
227219 2005 RZ_{4}	17.2	X	42.55802	201.45248	117.73013	3.31080	0.2147044	0.27136037	2.3628624	20	12 9.4	20.3
227220 2005 RQ_{7}	17.2	X	359.08850	152.47736	166.39565	2.33203	0.2256572	0.26330588	2.4108065	20	10 1.2	18.9
227221 2005 RH_{8}	16.2	X	147.59060	214.42357	178.88644	7.80214	0.2139008	0.23204761	2.6227163	20	3 20.3	20.5
227222 2005 RL_{10}	17.1	X	3.54971	273.27038	33.91458	1.91748	0.2443339	0.26293280	2.4130864	20	9 25.6	18.9
227223 2005 RA_{21}	16.6	X	60.24453	104.57953	295.51867	6.60582	0.1293507	0.28502705	2.2867148	20	—	—
227224 2005 RY_{21}	17.4	X	23.62732	30.48803	352.27943	0.99101	0.2244479	0.27550592	2.3390998	20	—	—
227225 2005 RG_{26}	17.1	X	2.16776	253.21999	95.17324	5.55097	0.1963633	0.26885737	2.3775049	20	11 19.9	19.3
227226 2005 RV_{29}	17.3	X	323.64177	263.10100	137.66830	1.68931	0.1735102	0.26854534	2.3793462	20	11 16.6	19.2
227227 2005 RW_{29}	17.6	X	308.10414	48.60169	1.65372	1.90236	0.1944042	0.26525507	2.3989816	20	10 22.9	19.3
227228 2005 RA_{33}	16.5	X	313.08833	57.61063	344.51049	3.46405	0.2122829	0.26404989	2.4062757	20	10 19.3	18.0
227229 2005 RE_{40}	17.4	X	19.86455	163.15398	186.34706	1.33550	0.2034152	0.27325185	2.3519458	20	12 20.0	20.1
227230 2005 RZ_{40}	16.8	X	173.45224	180.61137	42.51145	3.36885	0.1773070	0.27957781	2.3163326	20	12 9.1	20.2
227231 2005 RJ_{42}	17.3	X	320.38745	60.26449	350.74451	3.84502	0.1748424	0.26809405	2.3820156	20	11 23.4	19.2
227232 2005 SX_{2}	16.4	X	355.29875	327.67315	40.52030	3.16296	0.2151190	0.26770617	2.3843159	20	12 7.5	18.5
227233 2005 SH_{5}	17.2	X	290.05763	184.83312	295.11020	1.77380	0.1396331	0.27408458	2.3471796	20	—	—
227234 2005 SR_{5}	16.7	X	58.69332	69.59729	251.84364	1.73409	0.1838919	0.27360977	2.3498942	20	12 25.9	20.2
227235 2005 SD_{6}	17.3	X	39.04824	52.24299	246.56766	3.70208	0.1750726	0.26422078	2.4052381	20	10 31.2	20.2
227236 2005 SW_{7}	16.7	X	207.83826	111.17902	129.86443	9.48821	0.0291542	0.28634677	2.2796833	20	—	—
227237 2005 SR_{22}	17.0	X	77.77661	200.50759	90.80899	3.67030	0.1459421	0.27212544	2.3584316	20	12 3.8	20.4
227238 2005 SL_{28}	16.9	X	17.27566	75.51019	217.14200	8.16541	0.1486325	0.25989253	2.4318691	20	9 10.3	19.5
227239 2005 SG_{30}	17.2	X	38.65688	187.21885	124.53644	2.54063	0.1805748	0.26732667	2.3865719	20	11 19.9	20.1
227240 2005 SW_{32}	17.3	X	289.24170	328.23913	133.00071	2.90413	0.1675507	0.26768012	2.3844706	20	12 4.8	19.4
227241 2005 SU_{34}	17.0	X	272.04980	85.59594	45.49158	7.29316	0.1988440	0.26956540	2.3733400	20	12 10.1	19.0
227242 2005 SG_{35}	17.3	X	242.77976	24.15641	73.78783	3.38193	0.1616483	0.25894062	2.4378254	20	9 14.1	20.5
227243 2005 SH_{36}	16.7	X	18.91836	40.70600	11.89121	4.81185	0.0601331	0.27990648	2.3145190	20	—	—
227244 2005 SL_{36}	17.0	X	34.94921	132.37698	175.76553	4.23022	0.1837108	0.26743304	2.3859390	20	11 11.2	19.9
227245 2005 SG_{42}	16.3	X	88.85120	98.06667	2.31184	10.50924	0.1302298	0.23115279	2.6294805	20	3 29.5	19.7
227246 2005 SF_{46}	16.7	X	262.99033	272.66271	208.39676	6.37412	0.0700630	0.26896639	2.3768624	20	11 29.3	19.3
227247 2005 SC_{50}	17.0	X	231.95730	330.54066	194.79989	2.38176	0.0939374	0.27069662	2.3667233	20	12 11.2	19.8
227248 2005 SJ_{54}	17.0	X	238.40443	143.93796	14.38090	1.36989	0.1257740	0.27030192	2.3690267	20	12 5.2	19.9
227249 2005 SU_{54}	17.9	X	325.75557	139.04224	186.71856	1.79267	0.1966406	0.25565294	2.4586810	20	7 13.1	19.8
227250 2005 ST_{59}	17.3	X	226.53342	119.84100	8.76824	2.49525	0.1443082	0.26170569	2.4206236	20	10 6.1	20.6
227251 2005 SJ_{64}	16.7	X	334.11386	348.78574	9.83595	6.49873	0.1380238	0.26170919	2.4206021	20	9 29.7	18.6
227252 2005 SZ_{74}	17.7	X	319.93973	43.39216	8.99066	2.86410	0.1091056	0.26840718	2.3801626	20	11 22.9	20.0
227253 2005 SW_{75}	17.8	X	42.65167	115.17208	176.01982	0.83808	0.1164932	0.26495566	2.4007886	20	10 17.5	20.8
227254 2005 SY_{76}	17.5	X	206.72967	7.47151	170.77130	3.00478	0.0615726	0.27177704	2.3604467	20	11 30.6	20.4
227255 2005 SB_{78}	17.6	X	358.10726	55.67819	33.73704	2.81914	0.1820078	0.27976813	2.3152820	20	—	—
227256 2005 SS_{79}	17.5	X	325.93284	336.50208	23.44747	3.25143	0.0449944	0.26122161	2.4236132	20	9 17.4	20.3
227257 2005 SD_{82}	16.8	X	293.01967	36.62726	221.60110	2.00327	0.1039060	0.23753601	2.5821595	20	2 25.4	20.2
227258 2005 SV_{83}	17.0	X	264.07201	159.50195	2.12667	4.45883	0.1792420	0.27668492	2.3324503	20	—	—
227259 2005 SR_{91}	17.0	X	126.33818	231.94005	198.22144	5.92523	0.2473559	0.23124753	2.6287623	20	4 18.7	21.2
227260 2005 SF_{92}	17.2	X	243.12852	264.45788	214.31568	1.30497	0.1102549	0.26317628	2.4115979	20	10 19.7	20.0
227261 2005 SE_{93}	17.0	X	267.32679	115.38948	347.69846	1.12152	0.0850864	0.26557034	2.3970826	20	11 6.8	19.8
227262 2005 SL_{98}	16.8	X	122.13693	324.21281	314.72574	4.93674	0.1354710	0.27618188	2.3352816	20	12 31.9	20.3
227263 2005 SH_{113}	17.4	X	337.87010	280.88991	186.53326	4.11303	0.1405217	0.28358344	2.2944687	20	—	—
227264 2005 SR_{115}	17.7	X	67.04934	319.63467	335.57195	0.81222	0.1880065	0.27057915	2.3674083	20	12 1.1	21.1
227265 2005 SS_{119}	17.1	X	146.60603	82.07808	341.51530	5.43488	0.1329759	0.23967481	2.5667750	20	4 17.3	21.1
227266 2005 SN_{121}	17.1	X	37.47793	111.22472	153.47049	1.54614	0.1550765	0.25930036	2.4355701	20	9 7.8	19.9
227267 2005 SQ_{123}	17.1	X	188.04819	168.43784	199.75342	13.82738	0.1709620	0.23705199	2.5856733	20	3 20.9	21.5
227268 2005 SW_{123}	16.8	X	359.94863	318.41366	62.61374	2.32956	0.1893345	0.27031506	2.3689500	20	12 30.9	19.2
227269 2005 SJ_{125}	17.8	X	281.63997	239.74642	177.21354	1.15479	0.1777159	0.26057162	2.4276420	20	9 9.1	20.1
227270 2005 SY_{127}	16.9	X	261.82404	116.14495	24.88255	2.66812	0.1518490	0.27163453	2.3612723	20	12 14.1	19.3
227271 2005 SK_{128}	17.4	X	348.87984	155.22263	168.38486	1.15640	0.2008062	0.26016531	2.4301689	20	9 9.2	18.9
227272 2005 SU_{133}	16.9	X	216.44118	255.41292	213.50613	3.58335	0.1084783	0.25548599	2.4597520	20	8 30.9	20.3
227273 2005 SY_{135}	17.5	X	305.73405	340.28175	164.29997	2.52283	0.0974308	0.28231384	2.3013425	20	—	—
227274 2005 SX_{140}	17.8	X	47.83898	231.58892	64.39006	2.47672	0.1878857	0.26741591	2.3860409	20	11 11.0	20.9
227275 2005 SG_{145}	17.1	X	192.05130	150.81647	52.40748	3.95913	0.0786786	0.27396051	2.3478881	20	12 12.7	20.2
227276 2005 SF_{146}	16.9	X	51.30529	268.24532	34.75729	6.24388	0.2153802	0.26990275	2.3713619	20	11 26.8	20.3
227277 2005 SL_{152}	17.7	X	270.19853	338.72400	59.27041	4.64302	0.2321810	0.25346079	2.4728372	20	7 16.1	20.9
227278 2005 SX_{159}	17.3	X	44.35956	108.56336	207.90543	6.41716	0.1339781	0.27171842	2.3607862	20	11 27.5	20.3
227279 2005 SR_{161}	17.1	X	241.19851	144.73128	355.61154	2.44329	0.1365474	0.26910207	2.3760634	20	11 11.9	19.9
227280 2005 SF_{163}	17.5	X	326.68378	186.02640	143.98149	1.64565	0.1904098	0.25668149	2.4521085	20	7 23.7	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227281 2005 SK_{163}	17.7	X	319.96424	215.15271	137.82043	1.86317	0.2080668	0.25857641	2.4401140	20	8 13.9	19.4
227282 2005 SD_{166}	16.2	X	340.34687	286.40944	136.42224	6.17461	0.2164541	0.27192753	2.3595758	20	—	—
227283 2005 SC_{169}	16.6	X	238.16260	241.30924	271.20559	3.77812	0.1370834	0.27087787	2.3656675	20	11 25.1	19.5
227284 2005 SL_{171}	17.0	X	281.76202	208.11234	227.73192	3.18420	0.1484464	0.26380461	2.4077671	20	10 12.4	19.4
227285 2005 SG_{172}	17.2	X	282.22996	140.49700	280.33157	1.92183	0.1693024	0.26126605	2.4233384	20	9 16.5	19.8
227286 2005 SO_{178}	16.9	X	295.67357	113.80956	320.38234	4.80724	0.1808032	0.26568629	2.3963851	20	11 1.2	19.0
227287 2005 SJ_{179}	17.4	X	5.01652	227.82392	124.29467	2.44355	0.2074730	0.26796090	2.3828046	20	11 30.9	19.7
227288 2005 SS_{179}	17.5	X	288.24301	239.23629	137.93762	1.86440	0.1902609	0.25647845	2.4534024	20	7 19.8	20.3
227289 2005 SZ_{183}	17.6	X	49.24824	261.19626	348.35727	3.11809	0.1474811	0.25673989	2.4517367	20	9 2.4	20.5
227290 2005 SW_{189}	16.9	X	231.44639	106.88519	203.97087	11.87369	0.2616944	0.23730628	2.5838258	20	2 13.3	21.6
227291 2005 SX_{195}	17.4	X	248.10952	316.31282	179.59306	3.42533	0.1811820	0.26870391	2.3784100	20	11 10.2	20.0
227292 2005 SC_{206}	16.3	X	318.66278	11.69996	34.39443	10.93212	0.2528364	0.26541727	2.3980041	20	11 11.0	17.5
227293 2005 SC_{208}	16.0	X	97.61563	59.58619	4.47495	14.67099	0.0787520	0.22695983	2.6617671	20	2 21.8	19.6
227294 2005 SO_{215}	16.1	X	334.34789	199.44702	227.86859	7.06942	0.2104774	0.26999007	2.3708506	20	—	—
227295 2005 SP_{219}	16.3	X	159.47040	329.63428	82.51257	8.74821	0.2861558	0.22809267	2.6529465	20	4 28.4	21.1
227296 2005 SY_{224}	16.8	X	268.53448	16.05908	81.33307	3.44682	0.1492215	0.26353443	2.4094124	20	10 23.3	19.3
227297 2005 SH_{232}	16.4	X	192.30082	124.24260	30.20520	9.69380	0.0773175	0.25933380	2.4353607	20	10 9.2	19.7
227298 2005 SH_{247}	17.5	X	316.75487	106.16950	219.71549	0.82588	0.1117167	0.25231303	2.4803307	20	7 5.1	20.1
227299 2005 SC_{251}	16.5	X	357.59614	340.41080	39.39416	5.84835	0.2367613	0.27156786	2.3616587	20	—	—
227300 2005 SP_{261}	17.2	X	69.50004	89.73597	179.44986	2.31902	0.1554571	0.26852452	2.3794692	20	10 28.3	20.3
227301 2005 SU_{261}	16.9	X	295.46778	308.19382	109.77186	3.53240	0.0651743	0.26573247	2.3961075	20	10 23.0	19.5
227302 2005 SV_{265}	17.4	X	22.84221	149.85838	124.11571	2.37127	0.1735724	0.26003579	2.4309758	20	8 31.3	19.6
227303 2005 SK_{266}	17.3	X	349.54758	149.47100	206.89505	6.96035	0.1313021	0.26652995	2.3913256	20	10 28.0	19.4
227304 2005 SL_{266}	16.4	X	85.27882	30.23225	306.07549	4.69814	0.0458451	0.28083213	2.3094303	20	—	—
227305 2005 SV_{271}	17.2	X	225.10648	173.90870	345.87620	5.71528	0.0938473	0.27093539	2.3653326	20	11 22.6	20.3
227306 2005 TE_{8}	16.2	X	44.77546	291.49610	192.78284	13.05135	0.2261305	0.22457215	2.6806006	20	3 1.3	18.9
227307 2005 TN_{11}	16.8	X	135.00480	161.48977	49.77918	3.60697	0.1481389	0.26212674	2.4180308	20	10 19.1	20.4
227308 2005 TT_{12}	16.4	X	149.62665	159.57518	178.56817	4.61059	0.1078444	0.22207130	2.7006881	20	1 6.4	20.4
227309 2005 TN_{20}	17.5	X	242.22861	130.44003	333.57680	1.86927	0.1630858	0.26142037	2.4223846	20	9 19.3	20.5
227310 2005 TN_{29}	16.8	X	231.14091	158.95658	214.55194	14.69908	0.1370927	0.24277220	2.5448962	20	5 10.7	20.7
227311 2005 TC_{31}	17.2	X	288.44099	53.51990	38.66884	3.06522	0.1415388	0.26885272	2.3775323	20	11 21.4	19.3
227312 2005 TV_{31}	17.2	X	247.96298	286.18644	143.44946	2.77713	0.1777441	0.25682840	2.4511733	20	8 7.9	20.6
227313 2005 TE_{35}	17.5	X	70.70021	154.89337	141.60230	2.97192	0.1570717	0.27157833	2.3615980	20	12 4.2	20.9
227314 2005 TT_{61}	15.6	X	27.64924	202.85477	308.00304	8.59237	0.1532739	0.21472546	2.7619365	20	2 28.9	18.6
227315 2005 TM_{62}	17.1	X	259.49821	277.98650	43.68864	6.01679	0.1515248	0.24111618	2.5565354	20	4 3.9	20.8
227316 2005 TZ_{62}	17.1	X	322.90001	197.28976	155.88164	1.91413	0.1903876	0.25796432	2.4439723	20	8 23.2	18.9
227317 2005 TR_{68}	16.9	X	266.30934	162.66885	22.90099	5.48783	0.1609592	0.28458249	2.2890956	20	—	—
227318 2005 TX_{86}	16.6	X	141.40416	219.81957	192.27249	11.33077	0.1182100	0.23405439	2.6077034	20	3 28.9	20.5
227319 2005 TF_{88}	17.7	X	341.30633	240.89478	72.74572	3.47611	0.2372035	0.25901349	2.4373681	20	8 3.1	19.0
227320 2005 TD_{97}	17.3	X	219.25835	206.52649	289.27358	1.34016	0.1530627	0.25994841	2.4315205	20	10 4.9	20.8
227321 2005 TL_{106}	17.5	X	308.57109	140.28761	200.65867	5.69799	0.1730110	0.25514038	2.4619728	20	7 3.5	20.0
227322 2005 TN_{121}	17.1	X	100.87720	87.32321	213.37796	2.59291	0.1848937	0.27796007	2.3253113	20	—	—
227323 2005 TA_{123}	16.5	X	226.50192	331.40040	196.81448	10.79931	0.1489295	0.27090850	2.3654891	20	11 30.2	19.6
227324 2005 TK_{137}	17.4	X	251.28278	311.36193	125.30206	1.88113	0.1481642	0.25811746	2.4430056	20	8 27.2	20.6
227325 2005 TB_{151}	17.1	X	19.97861	105.23234	165.34261	4.83749	0.1686949	0.25592399	2.4569447	20	8 17.5	19.5
227326 Narodychi	17.0	X	266.83068	27.29242	66.03235	2.58709	0.1525339	0.26339411	2.4102680	20	10 13.7	19.6
227327 2005 TT_{161}	17.5	X	223.55328	140.76298	349.68499	3.78090	0.0282812	0.26276311	2.4141252	20	10 20.5	20.5
227328 2005 TJ_{170}	16.0	X	98.93595	303.59321	98.15427	7.44809	0.0479135	0.21058070	2.7980599	20	1 19.3	19.8
227329 2005 TQ_{190}	17.4	X	169.20913	73.60504	93.71175	2.06336	0.0750418	0.26023418	2.4297401	20	9 29.1	20.7
227330 2005 UM	15.8	X	331.21524	144.88783	267.87878	24.96959	0.2723722	0.26758977	2.3850073	20	—	—
227331 2005 UW	15.9	X	40.00997	173.81113	223.67130	4.64406	0.0215750	0.20897708	2.8123559	20	—	—
227332 2005 UF_{2}	16.6	X	147.88862	79.90815	218.71966	3.31420	0.0795905	0.21373984	2.7704207	20	—	—
227333 2005 UL_{2}	16.6	X	325.36289	356.46055	69.73427	4.60329	0.2099694	0.26705006	2.3882196	20	—	—
227334 2005 UJ_{3}	15.9	X	164.11996	181.02826	208.65483	13.60039	0.1843492	0.23050299	2.6344200	20	3 26.7	20.3
227335 2005 UY_{3}	17.2	X	268.37019	290.38199	173.18650	5.95829	0.1399588	0.26797159	2.3827412	20	11 3.9	19.7
227336 2005 UJ_{7}	16.5	X	298.40164	186.75173	285.85530	7.44251	0.1677609	0.26944990	2.3740181	20	—	—
227337 2005 UH_{8}	16.9	X	332.15546	346.48201	75.89722	3.32629	0.2039884	0.26752942	2.3853660	20	—	—
227338 2005 UX_{8}	17.1	X	269.68549	10.27734	66.82195	3.55854	0.1646269	0.26091735	2.4254970	20	9 23.3	19.8
227339 2005 UL_{27}	16.4	X	76.47880	186.94423	246.69987	1.37529	0.1196095	0.22273814	2.6952951	20	2 5.2	19.6
227340 2005 UR_{50}	16.0	X	141.02292	351.78256	357.67616	4.51917	0.0914867	0.22096703	2.7096783	20	1 10.4	19.9
227341 2005 US_{53}	16.5	X	247.18202	4.92184	81.20234	3.95285	0.1413610	0.25628899	2.4546114	20	9 6.5	19.7
227342 2005 UX_{58}	16.7	X	140.00459	262.29504	243.45643	5.43951	0.1444961	0.24405669	2.5359590	20	7 27.6	20.7
227343 2005 UC_{59}	16.8	X	239.69895	110.80368	246.14905	3.46707	0.1587856	0.24074524	2.5591608	20	4 24.9	20.7
227344 2005 UN_{61}	17.1	X	91.89377	277.91441	213.33432	2.86868	0.2145514	0.23106777	2.6301255	20	5 27.4	20.8
227345 2005 UX_{66}	17.3	X	267.19004	347.09682	50.46150	6.55063	0.1542747	0.25328994	2.4739491	20	7 25.0	20.5
227346 2005 UA_{67}	16.8	X	169.85654	223.68765	233.12003	14.78163	0.2382461	0.23972143	2.5664421	20	6 24.2	21.4
227347 2005 UK_{74}	16.6	X	342.29417	2.58698	98.29091	3.56956	0.1740903	0.27379192	2.3488519	20	—	—
227348 2005 UB_{79}	15.8	X	126.16682	261.57852	216.37644	14.17593	0.0479464	0.23804225	2.5784973	20	5 29.7	19.5
227349 2005 UQ_{80}	16.2	X	167.30502	295.11869	158.64342	8.24325	0.2074244	0.23881679	2.5729192	20	6 19.8	20.7
227350 2005 UJ_{81}	16.7	X	240.49681	109.61358	239.94772	7.58286	0.1833948	0.23883925	2.5727579	20	4 13.2	20.8
227351 2005 UM_{87}	16.2	X	347.68242	195.51940	51.10208	6.44662	0.1129666	0.24110573	2.5566093	20	5 3.4	18.7
227352 2005 UG_{88}	16.4	X	142.48558	148.83984	197.44526	4.63889	0.0736263	0.22135242	2.7065322	20	1 4.5	20.2
227353 2005 UQ_{100}	16.7	X	144.44742	209.30396	132.59850	3.54812	0.0864301	0.21974798	2.7196904	20	1 3.6	20.5
227354 2005 UV_{102}	17.0	X	22.97523	18.82972	186.13216	2.96494	0.0676731	0.23563128	2.5960562	20	5 5.1	19.9
227355 2005 UU_{111}	16.5	X	290.17032	6.93602	306.38568	1.28520	0.1339976	0.24100341	2.5573328	20	4 30.5	19.9
227356 2005 UD_{125}	17.1	X	154.29502	163.83531	25.01350	2.79778	0.1416597	0.25640239	2.4538877	20	10 7.9	21.0
227357 2005 UN_{125}	16.6	X	22.05999	317.38122	235.51892	5.22983	0.0671308	0.23341766	2.6124435	20	4 14.6	19.6
227358 2005 UZ_{127}	16.7	X	84.85448	315.08728	226.07001	13.75593	0.1896216	0.24062705	2.5599987	20	7 17.5	20.6
227359 2005 UP_{131}	16.4	X	185.11735	253.56279	153.82013	14.93099	0.1774830	0.23757938	2.5818453	20	5 11.7	20.9
227360 2005 UK_{138}	17.1	X	327.91684	272.23997	10.31361	0.86451	0.0515240	0.24430933	2.5342104	20	5 27.1	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227361 2005 UV_{148}	16.4	X	260.29288	253.28063	231.67458	6.40470	0.0556096	0.26593673	2.3948804	20	12 1.3	19.1
227362 2005 UD_{153}	16.5	X	321.78388	17.80150	250.44764	2.88742	0.0799492	0.23754851	2.5820690	20	4 23.3	19.5
227363 2005 UB_{160}	16.6	X	303.07607	23.51935	48.13579	7.57053	0.0728983	0.26766331	2.3845704	20	11 21.5	19.1
227364 2005 UU_{163}	17.2	X	274.07651	11.91621	280.23167	1.96736	0.1697279	0.23810292	2.5780593	20	3 8.5	21.0
227365 2005 UK_{164}	16.7	X	195.73174	308.37546	246.44819	3.15778	0.1022704	0.26771630	2.3842557	20	12 2.1	19.9
227366 2005 UZ_{166}	16.7	X	182.87056	332.04088	227.88875	4.46104	0.1796311	0.26613892	2.3936673	20	11 17.2	20.1
227367 2005 UB_{167}	16.9	X	290.13724	60.50668	220.01555	5.21039	0.1081883	0.23736706	2.5833847	20	3 20.4	20.5
227368 2005 UP_{172}	16.7	X	15.91048	295.39360	43.24866	10.67142	0.1924047	0.26430082	2.4047524	20	11 23.9	19.4
227369 2005 US_{180}	16.7	X	264.19618	242.43949	99.03627	3.33095	0.1811360	0.24258225	2.5462246	20	4 30.6	20.5
227370 2005 UV_{190}	16.4	X	311.08372	30.83530	244.95212	2.83480	0.1232310	0.23847032	2.5754107	20	4 10.6	19.7
227371 2005 UT_{191}	16.7	X	42.32876	233.31623	358.72588	1.21635	0.0989015	0.24415937	2.5352480	20	7 18.9	19.7
227372 2005 UL_{203}	17.7	X	224.07546	313.76010	181.31466	0.97216	0.1376491	0.25980487	2.4324160	20	10 12.6	20.9
227373 2005 UH_{213}	16.9	X	353.51802	133.65158	232.59750	3.57822	0.1602577	0.26849432	2.3796476	20	11 23.3	19.1
227374 2005 UH_{216}	17.0	X	6.84584	262.30599	132.79291	1.85373	0.1834735	0.27048056	2.3679836	20	—	—
227375 2005 UA_{227}	17.0	X	7.79612	87.87188	217.20159	5.02697	0.1299882	0.25579490	2.4577713	20	9 9.3	19.5
227376 2005 UM_{233}	16.1	X	312.63843	24.33586	209.40751	11.60603	0.1416877	0.22891722	2.6465722	20	2 11.6	19.7
227377 2005 UV_{238}	16.2	X	156.45871	1.56295	68.55778	15.13458	0.0686968	0.23529479	2.5985306	20	5 7.5	20.0
227378 2005 UE_{241}	16.5	X	245.32255	246.74231	68.72649	13.13187	0.1547876	0.23475671	2.6024998	20	3 18.3	20.8
227379 2005 UQ_{244}	16.8	X	156.94174	16.72107	25.80416	7.65612	0.1643449	0.23039207	2.6352654	20	4 6.5	20.9
227380 2005 UJ_{255}	17.4	X	180.63770	41.70771	148.44215	1.97362	0.1352661	0.26630218	2.3926889	20	11 6.8	21.0
227381 2005 US_{256}	17.5	X	89.11380	276.30519	3.62578	2.10250	0.2382577	0.27710223	2.3301079	20	12 6.9	21.4
227382 2005 UV_{265}	16.5	X	314.61895	185.44892	74.98563	6.17534	0.1686121	0.23545500	2.5973518	20	3 23.5	19.7
227383 2005 UB_{266}	16.9	X	83.18053	77.51426	93.60783	3.28076	0.1295150	0.23826528	2.5768880	20	6 26.9	20.3
227384 2005 UT_{275}	16.3	X	130.56683	156.37463	233.76643	4.89136	0.0653386	0.22563617	2.6721668	20	2 10.8	20.2
227385 2005 UA_{284}	17.2	X	18.50226	131.25054	72.44898	4.90924	0.1077731	0.30436953	2.1887791	20	4 23.9	18.9
227386 2005 UJ_{297}	17.1	X	254.97546	96.07161	228.11790	1.80180	0.1273968	0.23704985	2.5856889	20	4 2.7	20.7
227387 2005 UQ_{298}	17.4	X	196.92738	27.09762	49.73450	5.52639	0.1792317	0.24318815	2.5419935	20	6 24.4	21.5
227388 2005 UE_{301}	16.2	X	302.56557	170.76125	125.54357	5.96494	0.1514304	0.24086590	2.5583060	20	4 25.6	19.4
227389 2005 UH_{310}	17.4	X	201.25932	147.56279	52.98099	3.13497	0.1242720	0.27461683	2.3441458	20	12 14.6	20.6
227390 2005 UQ_{311}	16.8	X	134.93363	291.50768	192.34360	5.45909	0.0972331	0.24245046	2.5471472	20	6 21.7	20.5
227391 2005 UW_{319}	16.9	X	219.19238	239.70530	243.61212	4.13352	0.1374226	0.25652188	2.4531255	20	9 18.5	20.3
227392 2005 UP_{342}	16.7	X	179.64100	143.60258	5.12534	6.41916	0.0692889	0.25476237	2.4644075	20	9 15.9	20.2
227393 2005 UL_{345}	16.6	X	91.42181	77.26315	89.37407	4.13516	0.0968199	0.23783710	2.5799798	20	6 26.6	20.1
227394 2005 UR_{351}	16.3	X	110.51041	78.04546	284.27930	4.58063	0.0557717	0.21804146	2.7338624	20	—	—
227395 2005 UD_{364}	16.8	X	169.55129	51.14874	124.34183	3.17153	0.1385466	0.25685852	2.4509817	20	10 7.3	20.6
227396 2005 UC_{374}	17.0	X	63.52242	160.31469	39.53736	4.34835	0.0952633	0.24072410	2.5593106	20	7 4.5	20.2
227397 2005 UO_{377}	17.2	X	200.22623	15.34860	180.48511	2.42270	0.0830229	0.26987119	2.3715468	20	12 11.9	20.3
227398 2005 UW_{388}	17.2	X	54.37394	95.59369	207.34458	5.87785	0.1370572	0.26886713	2.3774474	20	11 21.7	20.3
227399 2005 UW_{394}	17.3	X	190.01511	298.27592	313.90200	1.67009	0.1312456	0.28915013	2.2649248	20	—	—
227400 2005 UK_{398}	16.7	X	211.48984	33.83254	70.79881	5.56440	0.1160870	0.25144894	2.4860098	20	8 22.3	20.3
227401 2005 UM_{403}	16.9	X	113.59079	41.61434	167.02604	2.73870	0.1349881	0.25752684	2.4467394	20	9 23.1	20.5
227402 2005 UF_{411}	16.2	X	261.65637	241.08903	94.10593	4.44465	0.0386324	0.23762375	2.5815239	20	5 8.8	19.7
227403 2005 UA_{432}	17.1	X	7.36146	67.01075	194.35117	3.53377	0.0590346	0.24348943	2.5398963	20	6 28.9	20.1
227404 2005 UE_{433}	17.6	X	280.12031	294.77042	191.70553	0.60575	0.1443709	0.26641509	2.3920128	20	12 25.7	19.9
227405 2005 UT_{441}	16.9	X	41.23424	316.04393	213.53050	7.01590	0.1458343	0.22952934	2.6418648	20	4 22.3	19.5
227406 2005 UJ_{445}	16.7	X	66.36338	339.99369	206.10695	7.35281	0.1324642	0.23825593	2.5769554	20	6 24.3	20.0
227407 2005 UN_{446}	16.9	X	3.64357	74.82476	240.71478	7.05513	0.1597085	0.25940384	2.4349224	20	9 20.5	19.3
227408 2005 UZ_{448}	17.2	X	138.83655	275.22946	307.12971	2.30376	0.1519022	0.26173405	2.4204488	20	11 3.8	21.1
227409 2005 UA_{451}	16.9	X	306.96292	99.95652	21.03862	3.07742	0.1408958	0.27261478	2.3556085	20	—	—
227410 2005 UN_{457}	16.1	X	301.32075	258.39257	94.16550	13.35916	0.2339369	0.25413333	2.4684725	20	6 27.5	18.7
227411 2005 UR_{459}	16.8	X	84.21042	61.18087	21.29685	1.68121	0.0251789	0.22291565	2.6938640	20	2 15.8	20.3
227412 2005 UG_{476}	16.4	X	99.37862	230.05948	276.42291	2.08183	0.1270607	0.24074521	2.5591610	20	6 13.6	19.8
227413 2005 UK_{497}	16.3	X	122.54787	235.07351	118.05519	6.38470	0.0874763	0.21969010	2.7201680	20	—	—
227414 2005 US_{501}	16.0	X	65.20595	299.47466	210.01727	26.66287	0.2433698	0.22820147	2.6521033	20	5 21.1	19.5
227415 2005 US_{508}	17.0	X	282.27094	280.84701	6.53528	2.02194	0.0867161	0.23470825	2.6028580	20	3 24.5	20.4
227416 2005 UD_{509}	16.3	X	230.15095	170.61125	78.44781	1.25075	0.0666762	0.21301019	2.7767437	20	—	—
227417 2005 UK_{513}	17.2	X	156.31823	293.57776	253.95080	1.39559	0.1576436	0.26052090	2.4279571	20	10 7.6	21.1
227418 2005 UJ_{517}	15.7	X	258.99575	48.49019	182.73555	15.21597	0.0681754	0.22301946	2.6930281	20	—	—
227419 2005 VQ_{4}	15.9	X	17.22758	357.89389	236.77523	12.94753	0.0486609	0.24351187	2.5397402	20	6 5.7	18.9
227420 2005 VP_{26}	16.5	X	152.63981	39.21027	272.91702	2.46687	0.1860784	0.21731565	2.7399463	20	—	—
227421 2005 VJ_{32}	16.4	X	274.61606	97.18182	235.36075	11.43465	0.2102973	0.24271604	2.5452888	20	4 24.3	20.0
227422 2005 VN_{34}	16.8	X	358.09594	15.95194	79.57857	7.85732	0.0610826	0.27979258	2.3151471	20	—	—
227423 2005 VC_{42}	16.1	X	256.58742	10.56918	81.70935	11.78392	0.1016679	0.25742466	2.4473868	20	10 9.6	19.3
227424 2005 VR_{58}	16.4	X	75.19051	128.41958	281.48274	3.80860	0.0232301	0.21883118	2.7272812	20	—	—
227425 2005 VR_{66}	16.4	X	233.86798	106.10203	200.99110	6.35361	0.0941589	0.23100747	2.6305832	20	2 20.6	20.5
227426 2005 VB_{70}	16.0	X	278.48134	76.49313	223.66842	13.75224	0.1937927	0.23699763	2.5860686	20	3 17.5	20.0
227427 2005 VX_{78}	15.4	X	250.79329	83.42531	251.16264	28.88274	0.1541958	0.23628111	2.5912942	20	3 31.9	20.0
227428 2005 VC_{81}	16.9	X	86.40920	126.17215	61.29220	5.02962	0.0379207	0.24183935	2.5514363	20	7 10.4	20.2
227429 2005 VQ_{81}	15.9	X	38.03527	325.15418	244.54288	12.84233	0.1024257	0.23586203	2.5943628	20	6 8.7	18.9
227430 2005 VX_{98}	15.7	X	76.57881	175.93500	284.11336	13.04319	0.0327017	0.22551961	2.6730875	20	2 22.1	19.4
227431 2005 VF_{109}	17.4	X	145.49896	77.99620	44.99186	1.70135	0.1424997	0.24174712	2.5520853	20	7 5.1	21.3
227432 2005 VN_{115}	16.4	X	196.82523	249.89260	268.98121	5.29883	0.0731341	0.25879176	2.4387601	20	10 16.7	19.9
227433 2005 VF_{122}	15.9	X	155.69398	2.32252	86.97220	31.82998	0.1597662	0.24009376	2.5637881	20	6 5.9	20.1
227434 2005 VV_{123}	16.0	X	242.79114	147.97579	194.92925	4.93748	0.1153248	0.23644495	2.5900970	20	4 15.5	19.7
227435 2005 WQ_{15}	16.2	X	260.79749	211.41840	67.99536	4.49781	0.1935038	0.22740094	2.6583238	20	2 10.0	20.5
227436 2005 WF_{20}	17.0	X	181.79609	141.45987	324.35306	2.33560	0.0251356	0.24508606	2.5288533	20	7 22.7	20.2
227437 2005 WB_{22}	16.4	X	202.97407	252.27634	42.20932	5.13085	0.0999151	0.21872132	2.7281943	20	1 9.4	20.7
227438 2005 WN_{26}	16.6	X	93.21029	45.76693	54.90759	4.69152	0.0232839	0.22698284	2.6615872	20	3 23.0	20.1
227439 2005 WM_{29}	17.1	X	293.83926	266.35378	49.63773	5.25105	0.2992216	0.24472304	2.5313536	20	4 15.1	20.4
227440 2005 WN_{30}	17.1	X	198.66805	334.27656	39.94219	3.61304	0.2846951	0.23549066	2.5970896	20	4 8.1	21.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227441 2005 WC_{31}	16.7	X	189.09813	68.75919	29.66157	2.51232	0.0542183	0.24366468	2.5386783	20	7 20.9	20.1
227442 2005 WN_{33}	15.4	X	297.38660	250.87310	72.25201	28.25527	0.1201650	0.24086703	2.5582981	20	5 29.2	18.6
227443 2005 WW_{37}	16.1	X	244.45629	267.03778	79.63491	12.35182	0.2196447	0.23774536	2.5806435	20	4 18.0	20.4
227444 2005 WS_{38}	16.8	X	184.18643	38.29494	87.32688	14.39173	0.1114842	0.24543749	2.5264388	20	8 22.2	20.8
227445 2005 WR_{45}	16.6	X	40.37097	113.31707	59.65086	2.83109	0.0280892	0.23063106	2.6334446	20	4 14.8	19.8
227446 2005 WF_{47}	16.9	X	218.24416	54.98414	287.56220	1.63789	0.0416324	0.22908131	2.6453082	20	3 23.0	20.5
227447 2005 WF_{48}	17.1	X	111.15051	161.58079	33.20504	0.75948	0.1256102	0.25301894	2.4757152	20	9 1.2	20.6
227448 2005 WL_{53}	16.4	X	289.49386	220.40504	76.23796	4.14810	0.1230647	0.23608504	2.5927287	20	4 11.5	19.7
227449 2005 WC_{54}	16.3	X	155.11385	341.89182	84.28310	4.46948	0.2058323	0.23035713	2.6355319	20	5 6.7	20.7
227450 2005 WA_{62}	16.6	X	123.76367	45.27963	53.37221	5.51633	0.1519176	0.23091794	2.6312630	20	5 12.5	20.3
227451 2005 WA_{68}	16.5	X	66.98631	47.63109	116.15359	1.47532	0.0042755	0.23381362	2.6094933	20	5 6.2	19.9
227452 2005 WN_{73}	16.2	X	337.58689	203.84178	66.71804	4.69625	0.0340848	0.23899438	2.5716444	20	5 26.6	19.3
227453 2005 WR_{74}	15.5	X	140.88152	302.22232	122.22211	15.42181	0.0488907	0.23057376	2.6338809	20	4 13.9	19.5
227454 2005 WJ_{99}	16.1	X	211.79565	37.79323	233.81939	2.51809	0.0479634	0.21360958	2.7715469	20	—	—
227455 2005 WO_{99}	16.3	X	91.31564	207.67847	221.82832	2.46780	0.0671040	0.22092813	2.7099963	20	2 12.9	19.8
227456 2005 WS_{99}	16.1	X	266.00733	253.99096	76.49761	6.64281	0.1373074	0.23817827	2.5775155	20	4 25.1	19.7
227457 2005 WQ_{101}	17.0	X	35.35748	38.22702	66.77613	0.64267	0.0292687	0.21406324	2.7676298	20	1 11.8	20.7
227458 2005 WB_{103}	16.0	X	220.20838	108.33639	239.66032	6.41182	0.2095852	0.23356535	2.6113421	20	3 22.4	20.4
227459 2005 WV_{103}	16.7	X	186.36223	269.82298	140.32108	13.41196	0.1662596	0.23718114	2.5847345	20	5 16.3	21.1
227460 2005 WF_{104}	16.3	X	236.07812	245.42172	100.65662	5.61230	0.2262859	0.23745580	2.5827410	20	4 6.7	20.6
227461 2005 WF_{113}	16.1	X	289.77957	124.14031	182.93451	9.59355	0.1372213	0.23901478	2.5714981	20	4 23.5	19.4
227462 2005 WX_{115}	15.7	X	251.87366	137.43263	213.96955	8.71175	0.1437285	0.23951314	2.5679298	20	5 3.5	19.3
227463 2005 WF_{117}	15.8	X	188.58905	187.30411	252.83349	12.85677	0.1454745	0.23760118	2.5816874	20	6 21.2	19.8
227464 2005 WK_{120}	16.6	X	186.30369	202.12368	174.59004	1.08735	0.1597127	0.23250876	2.6192473	20	3 31.7	20.9
227465 2005 WR_{120}	15.7	X	133.38771	40.42187	82.97176	17.83008	0.1479462	0.23250941	2.6192424	20	6 22.7	19.7
227466 2005 WO_{121}	17.0	X	192.94457	187.06947	162.99902	1.99249	0.2263560	0.23027988	2.6361213	20	3 6.1	21.5
227467 2005 WH_{134}	16.5	X	167.78038	34.65068	292.85136	1.69592	0.0807841	0.21259855	2.7803268	20	1 12.4	20.4
227468 2005 WJ_{135}	15.7	X	26.18018	66.55409	104.16887	13.35887	0.1072028	0.21925471	2.7237679	20	4 2.4	19.1
227469 2005 WQ_{142}	17.3	X	132.67841	227.55869	210.86174	1.26027	0.0643013	0.23226559	2.6210751	20	4 16.5	20.9
227470 2005 WU_{147}	17.4	X	181.58456	24.30059	340.65004	1.33809	0.1297560	0.22804707	2.6533002	20	3 12.3	21.3
227471 2005 WO_{160}	16.4	X	162.48169	105.01538	6.89326	3.51808	0.0528931	0.24148564	2.5539272	20	7 6.3	20.0
227472 2005 WF_{162}	16.4	X	291.05791	170.90245	82.82238	4.06613	0.0513321	0.22514836	2.6760252	20	2 29.2	20.0
227473 2005 WO_{166}	17.1	X	145.46671	185.80196	252.38709	1.85684	0.2424235	0.23037894	2.6353655	20	5 14.0	21.5
227474 2005 WZ_{167}	16.5	X	314.35836	26.65071	234.62350	1.53557	0.0428735	0.23057782	2.6338500	20	4 8.6	19.9
227475 2005 WY_{174}	16.6	X	72.86398	52.87949	60.05486	1.27434	0.0499278	0.22186339	2.7023750	20	3 14.4	19.9
227476 2005 WA_{177}	16.5	X	321.07435	256.54916	24.38863	2.50163	0.0375359	0.23218936	2.6216488	20	5 15.8	19.8
227477 2005 WV_{185}	15.4	X	217.41362	149.00428	230.52605	10.55302	0.1793627	0.23702858	2.5858435	20	4 30.9	19.7
227478 2005 WY_{188}	16.7	X	197.56419	280.19353	123.05684	3.29936	0.1620062	0.23758609	2.5817967	20	5 14.7	20.8
227479 2005 WE_{190}	16.2	X	220.95171	151.26635	199.72988	14.06934	0.0932346	0.23548751	2.5971127	20	4 3.0	19.9
227480 2005 WP_{192}	15.5	X	46.57887	239.11732	283.89723	10.75196	0.1582823	0.22047334	2.7137219	20	4 19.9	18.8
227481 2005 WT_{194}	15.8	X	127.41222	247.21183	246.04253	12.28891	0.2175018	0.22959364	2.6413715	20	7 3.4	20.2
227482 2005 WG_{202}	16.5	X	188.76876	92.99773	226.72070	3.82668	0.1178791	0.21962092	2.7207392	20	1 24.2	20.7
227483 2005 XO	16.9	X	93.14691	154.56331	4.96290	0.52920	0.0076498	0.23801207	2.5787153	20	6 5.2	20.2
227484 2005 XB_{3}	16.4	X	345.81218	247.48687	44.38185	4.47476	0.0963765	0.24464852	2.5318676	20	7 8.5	19.2
227485 2005 XF_{13}	16.0	X	269.07313	220.51620	122.57482	4.43313	0.2027469	0.24072895	2.5592763	20	5 6.0	19.7
227486 2005 XQ_{17}	16.0	X	161.86839	18.14370	89.79761	17.99035	0.1548393	0.23680453	2.5874743	20	7 1.4	20.1
227487 2005 XD_{19}	16.8	X	55.97247	345.29557	292.87822	2.02283	0.1505789	0.25953029	2.4341314	20	10 20.4	19.9
227488 2005 XN_{25}	16.1	X	194.90034	310.05464	54.96438	4.63017	0.1500148	0.23097480	2.6308312	20	3 27.1	20.3
227489 2005 XS_{28}	15.7	X	118.92793	14.64998	64.97083	14.81844	0.2253140	0.22279468	2.6948391	20	4 25.8	20.0
227490 2005 XO_{34}	16.3	X	198.98978	177.11715	187.88876	1.58010	0.0607798	0.22869845	2.6482597	20	3 29.8	20.2
227491 2005 XW_{48}	16.5	X	223.69499	7.60002	41.38294	4.83987	0.1675230	0.24157198	2.5533186	20	6 14.6	20.4
227492 2005 XR_{50}	16.5	X	141.69642	284.25849	65.52684	10.85985	0.2367073	0.21663054	2.7457201	20	1 29.0	21.0
227493 2005 XF_{56}	16.0	X	185.71531	230.70543	132.92024	13.56356	0.2222063	0.23081231	2.6320658	20	3 20.2	20.7
227494 2005 XL_{67}	17.2	X	203.66208	15.55905	32.78622	4.45387	0.1190422	0.23933712	2.5691887	20	5 27.0	21.1
227495 2005 XT_{71}	16.2	X	119.94501	105.26506	58.33347	5.83321	0.0618915	0.23993566	2.5649143	20	7 25.7	19.8
227496 2005 XW_{72}	15.8	X	9.93002	70.05980	76.77455	13.26541	0.0394267	0.21592324	2.7517129	20	2 1.8	19.5
227497 2005 XF_{75}	16.7	X	115.37422	113.24850	315.53480	4.61489	0.0583283	0.22188229	2.7022216	20	3 12.1	20.3
227498 2005 XJ_{76}	16.5	X	167.50728	340.70939	52.95675	3.69150	0.0769341	0.22685935	2.6625530	20	4 1.9	20.3
227499 2005 XV_{76}	16.0	X	241.05202	270.52394	46.61780	12.23715	0.1858782	0.23412431	2.6071842	20	3 13.1	20.4
227500 2005 XE_{78}	16.3	X	170.06979	21.41305	54.27827	18.45542	0.1561899	0.23419140	2.6066862	20	5 27.4	20.5
227501 2005 XK_{79}	15.9	X	168.31358	262.60815	94.21008	9.32598	0.0873878	0.22010546	2.7167448	20	2 19.9	20.1
227502 2005 XQ_{83}	16.0	X	35.80670	113.25171	76.28326	9.68004	0.0601241	0.23026161	2.6362608	20	5 5.4	19.2
227503 2005 XR_{84}	16.2	X	178.98519	39.21920	13.93994	15.42325	0.2220901	0.23338244	2.6127063	20	5 5.2	20.8
227504 2005 XK_{104}	15.9	X	67.13217	260.46238	25.22550	5.54667	0.1062297	0.17931308	3.1145459	20	10 23.9	20.3
227505 2005 XW_{105}	16.1	X	12.58528	203.13288	318.22200	3.40489	0.0109662	0.21404560	2.7677818	20	2 21.6	19.6
227506 2005 XQ_{106}	15.8	X	60.51780	299.41152	131.24455	6.97417	0.0586710	0.20384226	2.8593889	20	1 6.1	19.5
227507 2005 XU_{114}	15.0	X	172.46166	205.84446	322.76323	11.34913	0.0958315	0.17169449	3.2060121	20	9 17.3	20.2
227508 2005 YS_{2}	16.5	X	215.64829	42.08523	88.42985	7.60130	0.0719510	0.25519872	2.4615976	20	10 8.3	19.9
227509 2005 YM_{7}	16.2	X	191.61654	188.02311	80.53079	3.24434	0.0211373	0.20286965	2.8685207	20	—	—
227510 2005 YV_{10}	16.7	X	142.41750	120.80704	290.81528	0.59540	0.1627569	0.22687873	2.6624014	20	4 2.9	20.7
227511 2005 YN_{13}	15.7	X	181.39164	167.74266	118.29300	9.08883	0.1369961	0.20257202	2.8713298	20	—	—
227512 2005 YE_{21}	16.4	X	60.82870	85.78125	319.20401	1.13120	0.0739534	0.20631756	2.8364726	20	—	—
227513 2005 YR_{30}	15.7	X	85.98393	211.85833	272.99705	12.45962	0.2069304	0.22274851	2.6952115	20	5 7.9	19.6
227514 2005 YS_{32}	16.0	X	143.78987	162.82390	142.15123	2.76374	0.0617539	0.19966487	2.8991339	20	—	—
227515 2005 YC_{34}	15.8	X	164.99488	19.01194	292.36429	3.95876	0.0877333	0.20618065	2.8377281	20	—	—
227516 2005 YQ_{34}	16.6	X	195.60604	131.38787	264.34779	4.12596	0.0715374	0.22888180	2.6468452	20	5 3.3	20.4
227517 2005 YN_{36}	16.9	X	130.25999	92.32004	311.42674	4.01165	0.1673091	0.21978631	2.7193741	20	3 11.7	21.1
227518 2005 YS_{39}	15.4	X	225.21430	148.09948	311.34845	4.18557	0.0529296	0.17778620	3.1323529	20	8 27.7	20.0
227519 2005 YV_{39}	16.3	X	145.64939	233.06162	108.92884	6.50663	0.0762028	0.20927070	2.8097246	20	1 5.8	20.3
227520 2005 YY_{40}	17.1	X	36.85834	233.64921	159.50789	2.35114	0.0721541	0.20386589	2.8591680	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227521 2005 YE_{42}	15.7	X	174.42412	23.74929	294.20916	7.65297	0.0200795	0.20936437	2.8088866	20	1 4.2	19.5
227522 2005 YD_{46}	16.1	X	199.15598	127.45557	276.17487	11.04378	0.2424172	0.23521761	2.5990990	20	5 11.9	20.7
227523 2005 YZ_{54}	16.3	X	221.31117	263.85639	76.63885	5.75555	0.0531304	0.22919437	2.6444382	20	3 27.4	20.1
227524 2005 YF_{56}	16.4	X	218.33692	345.79189	69.17371	4.19682	0.0921316	0.23854140	2.5748990	20	6 23.4	20.0
227525 2005 YU_{57}	16.0	X	94.93615	260.24686	80.15137	3.18435	0.0664549	0.19977103	2.8981068	20	—	—
227526 2005 YM_{59}	16.3	X	241.22608	220.54566	350.96625	1.92539	0.0796361	0.19962348	2.8995347	20	—	—
227527 2005 YX_{59}	16.4	X	110.72805	44.66671	87.25239	4.65239	0.0964276	0.22959471	2.6413633	20	6 3.9	20.0
227528 2005 YR_{60}	16.7	X	21.94281	45.18425	345.59985	3.09106	0.2043840	0.19802858	2.9150822	20	—	—
227529 2005 YV_{61}	16.4	X	194.56557	36.20763	303.67128	5.25976	0.0529207	0.21936550	2.7228507	20	2 21.7	20.3
227530 2005 YZ_{69}	15.9	X	116.03729	255.90873	100.82426	12.70175	0.2342880	0.20985800	2.8044801	20	1 10.6	20.0
227531 2005 YS_{73}	16.5	X	179.85972	23.08728	337.90243	2.27314	0.1144745	0.22290042	2.6939867	20	3 5.7	20.6
227532 2005 YD_{76}	16.6	X	125.66176	25.72234	22.69620	2.84129	0.0990231	0.22038606	2.7144383	20	3 6.9	20.4
227533 2005 YH_{84}	17.0	X	160.15025	245.07165	185.77621	2.38049	0.1930476	0.22973190	2.6403116	20	5 15.7	21.3
227534 2005 YK_{84}	15.5	X	60.18107	244.63755	132.48239	12.38491	0.1065344	0.20008870	2.8950385	20	—	—
227535 2005 YF_{90}	16.9	X	300.51801	141.56189	231.63939	1.38045	0.1873995	0.24644451	2.5195517	20	8 4.1	19.4
227536 2005 YB_{91}	15.6	X	85.14469	37.72215	272.41211	4.97061	0.0310641	0.18959558	3.0008935	20	12 5.9	20.0
227537 2005 YP_{91}	16.8	X	148.30442	144.92009	257.01002	2.75016	0.1078590	0.22156229	2.7048228	20	3 22.4	20.8
227538 2005 YJ_{94}	15.4	X	204.04499	259.68819	92.10172	15.41204	0.1831295	0.22437267	2.6821892	20	3 25.3	20.2
227539 2005 YN_{96}	16.2	X	141.07413	298.05484	0.23549	1.28984	0.0779358	0.19805655	2.9148077	20	—	—
227540 2005 YL_{102}	16.7	X	42.61084	190.93770	202.36924	1.26609	0.0049976	0.20026642	2.8933255	20	—	—
227541 2005 YR_{113}	16.2	X	61.96365	60.24907	76.09973	5.86874	0.1070167	0.22114221	2.7082471	20	4 8.9	19.5
227542 2005 YN_{115}	15.7	X	110.66799	182.12389	99.08938	8.49101	0.2160120	0.18678862	3.0308826	20	12 11.4	20.8
227543 2005 YP_{120}	16.5	X	179.93588	104.16637	224.99147	2.55230	0.0944258	0.21396984	2.7684351	20	1 26.9	20.7
227544 2005 YZ_{124}	16.1	X	316.18615	267.10305	92.14837	13.54944	0.0769452	0.24647744	2.5193274	20	9 1.7	19.2
227545 2005 YZ_{128}	15.9	X	132.17840	295.46124	105.06861	7.34074	0.0429862	0.21867201	2.7286045	20	2 28.5	19.7
227546 2005 YQ_{135}	16.6	X	185.68241	51.00141	330.06900	3.29388	0.1288946	0.22716228	2.6601854	20	4 3.9	20.7
227547 2005 YS_{136}	16.4	X	171.66758	354.22762	28.60228	2.19978	0.0289997	0.22196206	2.7015741	20	3 20.9	20.2
227548 2005 YL_{138}	16.4	X	125.98018	264.78529	62.57711	2.77250	0.0365710	0.20197871	2.8769500	20	—	—
227549 2005 YT_{144}	16.2	X	143.45033	239.55332	96.83707	3.22141	0.0711034	0.20542785	2.8446565	20	—	—
227550 2005 YD_{150}	15.8	X	188.73593	248.48156	63.19398	4.49254	0.0850013	0.21093114	2.7949599	20	1 16.3	20.0
227551 2005 YL_{157}	17.0	X	164.86158	203.11186	227.43798	3.26033	0.2255151	0.23302924	2.6153457	20	5 19.9	21.5
227552 2005 YK_{167}	16.9	X	64.94685	189.91708	241.67103	3.22238	0.0848911	0.21089032	2.7953206	20	1 14.2	20.3
227553 2005 YX_{167}	16.3	X	65.81039	35.08769	347.59416	3.10743	0.0868488	0.20927334	2.8097011	20	—	—
227554 2005 YK_{170}	16.4	X	199.84789	163.44378	143.33051	5.75951	0.0383776	0.21242223	2.7818651	20	1 19.6	20.5
227555 2005 YH_{174}	16.1	X	82.72365	340.70342	73.66745	5.84763	0.1571312	0.21305288	2.7763727	20	1 29.5	19.5
227556 2005 YB_{176}	16.5	X	117.06361	24.50760	320.92482	1.07500	0.0807690	0.20463907	2.8519617	20	—	—
227557 2005 YN_{178}	16.3	X	175.75718	163.83454	156.77254	3.37437	0.1319539	0.21113476	2.7931626	20	1 15.4	20.6
227558 2005 YQ_{182}	15.5	X	353.47568	245.93665	269.70578	10.83421	0.1623808	0.20955297	2.8072009	20	1 5.8	18.6
227559 2005 YW_{184}	16.9	X	46.00860	321.26518	167.26333	1.50197	0.0436281	0.21758393	2.7376936	20	2 25.3	20.3
227560 2005 YE_{185}	16.1	X	189.62768	203.15639	125.47653	7.57283	0.0565282	0.21340020	2.7733595	20	2 5.0	20.1
227561 2005 YX_{189}	15.9	X	280.87306	195.30522	243.10616	4.97297	0.1233558	0.18675630	3.0312322	20	9 30.9	19.8
227562 2005 YM_{190}	16.4	X	178.89469	19.34891	335.72148	1.33069	0.0918717	0.21863195	2.7289378	20	2 26.2	20.5
227563 2005 YP_{190}	16.4	X	348.16823	63.91319	104.42853	1.79947	0.0101300	0.21366710	2.7710495	20	1 30.8	20.2
227564 2005 YV_{192}	16.4	X	95.64299	302.50284	103.70327	1.70340	0.0699700	0.21012732	2.8020833	20	1 23.5	19.9
227565 2005 YN_{193}	16.0	X	167.51213	167.14669	112.31207	3.04820	0.0510649	0.19816829	2.9137119	20	—	—
227566 2005 YQ_{199}	16.5	X	147.56870	105.74426	291.14280	1.28632	0.0842907	0.21946680	2.7220128	20	3 14.1	20.4
227567 2005 YY_{200}	16.5	X	125.43787	83.84508	10.04314	1.26648	0.0514243	0.22506346	2.6766981	20	4 26.5	20.2
227568 2005 YL_{205}	16.7	X	202.92030	148.21266	260.95022	1.96316	0.1275443	0.23343115	2.6123428	20	5 27.5	20.7
227569 2005 YT_{206}	17.3	X	167.25332	130.65119	302.10456	1.58523	0.1197246	0.23079219	2.6322187	20	5 21.5	21.2
227570 2005 YH_{210}	16.2	X	209.02987	345.98298	69.51779	10.34122	0.1125105	0.23765061	2.5813294	20	6 11.7	20.0
227571 2005 YW_{214}	15.9	X	120.22914	60.15589	64.42585	14.71795	0.0925410	0.22968774	2.6406500	20	6 4.1	19.6
227572 2005 YT_{217}	16.7	X	130.83526	135.99943	298.19189	2.34567	0.1179520	0.22769776	2.6560131	20	4 13.9	20.5
227573 2005 YO_{221}	16.7	X	232.12787	296.36963	20.56882	2.40935	0.0665761	0.22612166	2.6683407	20	3 6.9	20.5
227574 2005 YR_{223}	15.8	X	258.38480	181.43438	93.26879	10.54023	0.1916425	0.21888871	2.7268033	20	2 3.5	20.2
227575 2005 YP_{229}	15.9	X	188.08860	235.71162	65.91031	6.19837	0.1502090	0.21207719	2.7848816	20	1 5.8	20.4
227576 2005 YZ_{231}	16.3	X	305.37920	270.87366	267.07249	2.37798	0.0321597	0.21045144	2.7992055	20	—	—
227577 2005 YO_{240}	16.7	X	48.20427	111.98552	331.23164	2.91588	0.0708079	0.20922750	2.8101114	20	1 4.7	20.1
227578 2005 YJ_{252}	16.6	X	37.37358	9.35415	122.13752	4.58529	0.0313112	0.21622541	2.7491487	20	2 17.6	20.2
227579 2005 YB_{260}	15.9	X	191.81890	205.67478	87.22347	5.24496	0.0366578	0.20899754	2.8121723	20	—	—
227580 2005 YT_{273}	16.1	X	143.55806	164.71215	258.46668	7.66271	0.0434458	0.22283642	2.6945025	20	4 4.9	20.0
227581 2005 YH_{275}	16.6	X	149.04415	93.49989	321.39098	5.41821	0.1704034	0.22414683	2.6839906	20	4 11.8	20.9
227582 2005 YY_{277}	16.8	X	343.66947	83.04727	76.59778	1.33644	0.0257202	0.21534231	2.7566596	20	1 12.2	20.2
227583 2006 AU_{2}	15.9	X	73.27661	77.80854	72.51675	13.70462	0.0851972	0.22795797	2.6539915	20	5 11.1	19.3
227584 2006 AE_{4}	16.4	X	232.50784	340.82226	101.47599	13.78133	0.2121826	0.24393176	2.5368248	20	8 3.9	20.3
227585 2006 AT_{5}	16.2	X	128.28521	54.30705	35.35884	13.26078	0.2341062	0.22558593	2.6725636	20	5 11.4	20.5
227586 2006 AC_{9}	15.7	X	106.49123	57.84865	68.38868	14.02696	0.1352481	0.22463006	2.6801399	20	5 27.3	19.5
227587 2006 AC_{18}	15.7	X	173.42357	10.38676	301.35606	11.50870	0.0395131	0.20511663	2.8475332	20	—	—
227588 2006 AH_{18}	15.7	X	29.43195	201.88342	306.17499	7.31447	0.2302807	0.21325152	2.7746484	20	3 3.6	18.1
227589 2006 AA_{20}	15.6	X	164.98918	304.07520	91.57197	15.21228	0.1711494	0.22616930	2.6679660	20	4 13.2	20.2
227590 2006 AB_{23}	16.1	X	177.85292	348.50510	310.72127	1.09200	0.0705973	0.20592525	2.8400739	20	—	—
227591 2006 AR_{23}	15.9	X	158.68836	198.53799	116.21010	3.13248	0.0542116	0.20315405	2.8658430	20	—	—
227592 2006 AO_{27}	16.1	X	83.96443	96.02801	210.63631	2.44765	0.1159964	0.18818952	3.0158224	20	12 9.6	20.6
227593 2006 AG_{29}	15.9	X	84.67301	280.56693	123.39621	9.97427	0.1705741	0.20979396	2.8050508	20	1 19.9	19.4
227594 2006 AB_{32}	15.8	X	129.04328	9.32051	57.89190	10.74270	0.1083454	0.22218402	2.6997746	20	4 7.9	19.8
227595 2006 AX_{37}	15.5	X	190.12834	201.50883	121.19343	12.57377	0.0833427	0.21181148	2.7872102	20	1 30.4	19.8
227596 2006 AV_{41}	16.6	X	106.60127	172.48279	230.33410	2.80668	0.0983988	0.21309027	2.7760480	20	2 4.7	20.3
227597 2006 AF_{42}	15.9	X	110.53899	35.83638	260.30211	2.56184	0.1952743	0.18949509	3.0019543	20	12 27.1	20.7
227598 2006 AU_{42}	16.4	X	1.24415	352.59056	150.10029	4.34630	0.0420304	0.20875617	2.8143396	20	1 13.3	20.0
227599 2006 AZ_{48}	16.6	X	166.38791	15.71819	267.19487	1.04269	0.0315690	0.20144256	2.8820526	20	—	—
227600 2006 AU_{52}	16.1	X	40.01979	155.01106	200.57646	2.59760	0.0219790	0.19034792	2.9929810	20	12 6.3	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227601 2006 AB_{55}	16.4	X	40.80123	318.34372	163.53231	4.53488	0.0164363	0.21382084	2.7697211	20	2 8.2	20.1
227602 2006 AD_{68}	16.3	X	162.40692	146.84937	147.18544	2.59639	0.0442483	0.19922711	2.9033792	20	—	—
227603 2006 AH_{68}	16.6	X	19.83185	238.46485	306.58217	0.80319	0.1537045	0.21790524	2.7350017	20	4 4.8	19.3
227604 2006 AV_{68}	15.6	X	107.27659	211.92701	130.09697	8.87257	0.0780572	0.19923243	2.9033275	20	—	—
227605 2006 AM_{70}	15.9	X	347.54395	255.29058	287.78791	3.08596	0.0097815	0.21436978	2.7649907	20	2 16.3	19.6
227606 2006 AQ_{70}	16.6	X	24.95928	20.36643	140.26678	4.52842	0.0485558	0.21677773	2.7444771	20	3 9.7	20.1
227607 2006 AD_{71}	16.4	X	291.03755	335.62969	282.70677	3.02178	0.0361055	0.21670565	2.7450856	20	3 5.8	20.1
227608 2006 AH_{71}	16.7	X	100.98573	116.73799	295.27878	7.87230	0.2183711	0.21530890	2.7569447	20	2 24.3	20.6
227609 2006 AK_{78}	16.4	X	163.81369	131.14395	134.65539	1.28004	0.0425556	0.19657842	2.9294009	20	—	—
227610 2006 AT_{84}	16.3	X	334.80609	100.52453	42.61729	2.02146	0.1735848	0.20258774	2.8711813	20	—	—
227611 2006 AJ_{95}	16.4	X	126.46153	137.99346	172.68290	2.02630	0.0560081	0.19827399	2.9126762	20	—	—
227612 2006 AO_{96}	15.8	X	62.69309	225.29082	279.44556	4.25413	0.0853954	0.21922373	2.7240245	20	4 13.4	19.2
227613 2006 AF_{100}	16.4	X	57.90397	106.78212	334.77329	1.72926	0.0916863	0.20463767	2.8519746	20	1 19.4	19.9
227614 2006 BJ_{1}	16.5	X	104.89183	309.26409	123.24468	2.33289	0.1701855	0.21833813	2.7313855	20	3 22.7	20.2
227615 2006 BD_{5}	17.4	X	138.03824	156.53458	288.17819	1.12496	0.1807131	0.22761050	2.6566919	20	5 11.4	21.4
227616 2006 BF_{10}	16.3	X	198.55830	294.52561	324.48138	2.15479	0.1086970	0.19779680	2.9173590	20	—	—
227617 2006 BP_{10}	16.4	X	302.00892	48.22221	110.06696	2.30944	0.1025709	0.19932380	2.9024402	20	—	—
227618 2006 BZ_{13}	16.5	X	147.77488	306.02996	290.16076	0.81134	0.0449568	0.18752319	3.0229623	20	11 18.1	20.8
227619 2006 BH_{26}	16.1	X	136.04827	168.39454	281.69662	4.12716	0.0881370	0.22441386	2.6818610	20	5 7.4	20.1
227620 2006 BO_{33}	15.9	X	66.10512	14.46288	29.71275	2.38658	0.0511079	0.19808817	2.9144975	20	—	—
227621 2006 BU_{43}	16.3	X	101.96088	294.09794	155.62291	12.23131	0.2565440	0.21971906	2.7199289	20	4 24.2	20.5
227622 2006 BF_{46}	16.5	X	112.94596	74.51692	301.69367	0.37962	0.0866572	0.20350356	2.8625607	20	1 11.6	20.5
227623 2006 BW_{49}	16.8	X	108.19472	286.24560	67.60586	2.98923	0.0839141	0.20232068	2.8737073	20	—	—
227624 2006 BX_{59}	15.8	X	102.31408	302.84836	340.96229	3.00799	0.0690433	0.18408392	3.0604983	20	11 25.8	20.4
227625 2006 BG_{60}	16.6	X	126.42586	92.42639	246.87481	0.64659	0.0534701	0.19791586	2.9161889	20	—	—
227626 2006 BG_{62}	16.3	X	86.98863	118.50394	84.70413	13.31897	0.1813320	0.23128808	2.6284550	20	8 25.6	20.4
227627 2006 BS_{65}	16.1	X	110.65383	355.81759	64.87192	2.98506	0.0640845	0.21516920	2.7581379	20	2 29.6	19.9
227628 2006 BN_{73}	16.2	X	14.51844	104.51614	56.47976	3.14017	0.0086060	0.21370747	2.7707005	20	2 25.7	19.9
227629 2006 BT_{77}	16.1	X	113.62730	263.88205	99.70924	3.10874	0.0804758	0.20454746	2.8528131	20	—	—
227630 2006 BR_{84}	15.8	X	184.86650	227.54897	358.02734	1.93003	0.0366347	0.19024490	2.9940613	20	12 17.5	20.0
227631 2006 BT_{86}	16.3	X	118.32164	345.54539	21.94045	2.07547	0.0930364	0.20590539	2.8402566	20	1 8.2	20.2
227632 2006 BX_{87}	15.6	X	128.30062	180.31598	96.35944	2.69263	0.1390780	0.18581522	3.0414583	20	12 17.4	20.3
227633 2006 BY_{91}	16.2	X	5.06878	240.62796	306.72670	3.90415	0.0935010	0.21343845	2.7730281	20	3 11.9	19.6
227634 2006 BV_{93}	15.7	X	102.77739	119.08308	156.84381	10.24189	0.0393105	0.18019462	3.1043797	20	11 16.9	20.4
227635 2006 BU_{94}	15.6	X	59.25032	9.63478	324.09528	10.52969	0.0260396	0.18364767	3.0653432	20	11 30.3	20.1
227636 2006 BX_{94}	15.6	X	109.26332	115.04969	124.86270	2.17701	0.1454454	0.17266168	3.1940281	20	10 18.1	20.5
227637 2006 BG_{95}	15.4	X	337.68299	235.53165	159.53867	13.64418	0.1369150	0.18186723	3.0853167	20	11 10.1	19.2
227638 2006 BM_{95}	15.9	X	299.81913	317.86127	320.67985	3.83173	0.0631678	0.21733508	2.7397830	20	4 8.1	19.6
227639 2006 BS_{95}	15.9	X	176.02113	43.05099	170.08252	2.27190	0.0734458	0.18090677	3.0962273	20	11 19.4	20.5
227640 2006 BT_{98}	16.6	X	52.22816	299.24364	206.88488	3.34249	0.1812815	0.21717509	2.7411284	20	4 14.5	19.5
227641 Nothomb	16.5	X	90.85354	230.78829	157.63889	2.48061	0.0768690	0.20272746	2.8698619	20	—	—
227642 2006 BW_{103}	15.3	X	356.68083	81.14091	323.80715	10.41204	0.0244310	0.18649587	3.0340535	20	12 10.8	19.6
227643 2006 BO_{107}	16.2	X	138.80504	280.13428	122.88037	3.36138	0.0703020	0.21825244	2.7321003	20	3 12.4	20.0
227644 2006 BB_{110}	16.2	X	269.30196	95.69827	95.55615	3.78530	0.0132747	0.19899643	2.9056225	20	—	—
227645 2006 BS_{110}	15.8	X	95.49496	249.86077	86.70665	3.24951	0.1021883	0.19428894	2.9523692	20	—	—
227646 2006 BF_{120}	16.3	X	318.48380	246.88584	259.68362	2.24589	0.0858384	0.19813944	2.9139947	20	—	—
227647 2006 BY_{120}	15.9	X	312.46824	227.44702	187.40138	3.95896	0.0404307	0.18074985	3.0980191	20	10 26.2	20.1
227648 2006 BO_{128}	15.8	X	122.56046	110.92870	144.82490	4.56772	0.1050719	0.17870538	3.1216027	20	11 16.9	20.7
227649 2006 BB_{133}	15.5	X	148.72010	333.07763	305.92477	4.44362	0.1384291	0.18610947	3.0382516	20	—	—
227650 2006 BP_{134}	15.6	X	17.73734	229.71210	102.96057	2.71578	0.1582163	0.18090649	3.0962305	20	10 26.0	19.4
227651 2006 BH_{141}	15.6	X	185.97611	301.71221	322.05542	4.40365	0.0653828	0.19732741	2.9219836	20	—	—
227652 2006 BY_{142}	16.2	X	36.10131	66.53310	307.84986	2.04096	0.0187386	0.18593932	3.0401048	20	12 22.5	20.4
227653 2006 BQ_{143}	16.3	X	352.89219	355.96078	136.71661	2.86234	0.0136353	0.20418700	2.8561696	20	—	—
227654 2006 BA_{150}	15.3	X	7.09324	324.72846	79.86009	10.53875	0.0598545	0.19237337	2.9719358	20	12 29.3	19.2
227655 2006 BA_{152}	16.3	X	186.29171	215.08539	83.97425	3.20526	0.0392638	0.20304370	2.8668813	20	—	—
227656 2006 BC_{157}	15.3	X	20.74583	219.07983	146.61218	16.04296	0.0407040	0.18159044	3.0884511	20	11 28.4	19.8
227657 2006 BZ_{157}	16.0	X	261.15529	107.12000	30.06807	1.47797	0.0921377	0.18472347	3.0534302	20	11 22.7	20.1
227658 2006 BK_{172}	16.3	X	78.99646	161.38277	225.11384	1.20558	0.0776112	0.20324035	2.8650317	20	—	—
227659 2006 BU_{173}	16.5	X	239.61556	267.62069	251.05674	1.67075	0.0076289	0.18929054	3.0041165	20	12 4.9	20.7
227660 2006 BD_{174}	15.6	X	30.73958	234.48697	87.41133	5.89379	0.1600388	0.17919414	3.1159240	20	11 1.4	19.6
227661 2006 BO_{192}	15.4	X	56.05594	172.13851	150.81832	9.98215	0.0791881	0.18283987	3.0743651	20	11 24.7	19.9
227662 2006 BR_{199}	15.9	X	232.45605	36.57749	43.88153	0.89519	0.1510550	0.17031236	3.2233338	20	8 1.9	20.7
227663 2006 BF_{201}	16.6	X	171.76995	249.68961	160.51124	4.37281	0.0911050	0.22803972	2.6533572	20	4 28.3	20.6
227664 2006 BZ_{201}	16.0	X	328.98553	27.73276	103.15303	3.26622	0.0185260	0.19853391	2.9101336	20	—	—
227665 2006 BD_{204}	16.2	X	95.28483	287.46290	358.71225	2.87057	0.1311908	0.18140904	3.0905096	20	11 26.3	21.1
227666 2006 BC_{208}	15.5	X	69.21799	180.24920	200.78649	6.29061	0.0708419	0.19631595	2.9320115	20	—	—
227667 2006 BG_{210}	15.4	X	290.60816	203.39197	304.86935	8.84242	0.0482695	0.19231235	2.9725643	20	—	—
227668 2006 BE_{227}	16.0	X	223.67849	203.55809	316.08249	0.39558	0.1914611	0.18113684	3.0936050	20	10 24.1	20.8
227669 2006 BH_{231}	16.0	X	227.96180	141.46374	78.37496	3.77673	0.0686957	0.19587578	2.9364023	20	—	—
227670 2006 BZ_{238}	16.7	X	213.13734	50.87655	239.73720	3.48384	0.0362529	0.21099779	2.7943713	20	1 14.9	20.7
227671 2006 BT_{250}	15.9	X	36.72811	319.78180	22.54215	0.64554	0.0585816	0.18184585	3.0855586	20	11 18.8	20.0
227672 2006 BK_{260}	15.7	X	53.43833	179.73743	115.29823	3.14627	0.0933644	0.17362684	3.1821805	20	10 17.9	20.2
227673 2006 CQ_{12}	16.7	X	218.53116	44.98903	146.63814	2.36159	0.0348224	0.18911453	3.0059802	20	12 15.9	21.0
227674 2006 CY_{13}	15.8	X	60.51904	32.29467	297.17007	1.79247	0.0958265	0.18553815	3.0444854	20	12 7.9	20.0
227675 2006 CM_{17}	15.8	X	68.10604	129.66522	183.38910	3.76305	0.1400889	0.18503392	3.0500138	20	12 2.9	20.3
227676 2006 CA_{18}	15.9	X	47.26187	28.75906	79.13160	3.47420	0.0997057	0.20975726	2.8053780	20	2 6.8	19.2
227677 2006 CT_{19}	16.5	X	124.59858	199.27977	204.18143	1.39760	0.0996306	0.21508292	2.7588754	20	2 27.7	20.4
227678 2006 CS_{22}	16.0	X	104.65428	302.55670	40.43112	1.16292	0.0542838	0.19275608	2.9680007	20	—	—
227679 2006 CG_{33}	16.2	X	78.40654	21.75020	41.74564	9.81252	0.1445772	0.21201328	2.7854412	20	2 4.7	19.8
227680 2006 CR_{35}	15.9	X	105.82272	314.71154	85.48429	5.42448	0.0754851	0.21184462	2.7869195	20	1 30.5	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227681 2006 CJ_{42}	15.7	X	332.50072	111.37182	312.99695	9.72559	0.0534734	0.18427838	3.0583449	20	12 3.1	19.9
227682 2006 CP_{48}	16.6	X	127.65668	191.62326	195.63281	3.06144	0.1000984	0.21311462	2.7758365	20	2 10.9	20.7
227683 2006 CO_{49}	15.8	X	33.60325	197.01512	320.01440	4.52634	0.0542298	0.21566728	2.7538897	20	3 15.2	19.2
227684 2006 CQ_{62}	15.1	X	153.17562	146.39663	123.04201	12.24254	0.0209337	0.18872108	3.0101567	20	—	—
227685 2006 CR_{62}	16.2	X	330.03007	105.13364	66.49769	3.85447	0.1172039	0.20356249	2.8620082	20	—	—
227686 2006 DQ_{2}	15.5	X	207.18964	11.24740	139.60922	2.38529	0.1337436	0.17738400	3.1370860	20	10 3.7	20.3
227687 2006 DE_{6}	15.2	X	108.30959	181.29303	116.58938	10.87381	0.0346398	0.18588517	3.0406952	20	12 18.1	19.6
227688 2006 DN_{16}	15.9	X	280.73170	100.32697	354.18549	8.73875	0.0464634	0.18221224	3.0814209	20	10 29.3	20.1
227689 2006 DA_{17}	16.7	X	15.27466	18.82607	70.35610	3.25098	0.0333236	0.19863324	2.9091633	20	—	—
227690 2006 DK_{23}	16.2	X	298.27752	57.02544	93.76922	1.72694	0.0263363	0.19317147	2.9637442	20	—	—
227691 2006 DA_{24}	16.0	X	74.92323	219.72133	118.78132	3.24453	0.0670018	0.18582767	3.0413224	20	12 31.5	20.4
227692 2006 DZ_{33}	15.3	X	271.72925	250.43964	173.74448	13.04191	0.0545646	0.16975678	3.2303628	20	9 9.1	19.7
227693 2006 DR_{36}	16.8	X	172.32919	143.89532	341.89156	3.31531	0.2073962	0.23411355	2.6072640	20	8 3.5	21.1
227694 2006 DF_{39}	16.0	X	15.47846	310.32652	154.88517	4.76286	0.2297392	0.20134357	2.8829971	20	—	—
227695 2006 DK_{44}	15.6	X	192.79238	296.68068	252.90609	2.65103	0.1433832	0.18046249	3.1013070	20	11 2.9	20.5
227696 2006 DN_{49}	16.5	X	80.01600	48.23777	350.30196	1.87345	0.0375317	0.19937335	2.9019592	20	—	—
227697 2006 DG_{57}	14.7	X	269.71386	331.71831	134.51472	22.25452	0.1020167	0.17851345	3.1238398	20	11 1.6	19.4
227698 2006 DL_{60}	15.8	X	188.98043	216.66028	359.29714	4.02944	0.0869245	0.17972058	3.1098361	20	12 3.7	20.6
227699 2006 DB_{62}	14.9	X	312.26622	340.67182	104.13756	18.06098	0.1044799	0.18373066	3.0644200	20	12 2.9	18.9
227700 2006 DV_{65}	16.3	X	170.65520	294.66683	169.03360	7.54993	0.1556766	0.23134697	2.6280089	20	7 3.9	20.6
227701 2006 DJ_{74}	15.8	X	151.78100	330.58524	83.92558	3.17524	0.0784101	0.21602042	2.7508876	20	4 11.8	19.8
227702 2006 DY_{80}	16.1	X	332.68379	90.47598	311.13133	1.57124	0.0877522	0.17961138	3.1110965	20	11 4.5	20.0
227703 2006 DU_{82}	16.2	X	313.17241	287.13210	171.48655	4.89581	0.1635011	0.18835668	3.0140379	20	12 17.9	19.5
227704 2006 DU_{86}	15.8	X	345.71397	293.87303	112.38743	2.66166	0.1085306	0.18239916	3.0793153	20	12 2.9	19.6
227705 2006 DN_{90}	16.3	X	146.51854	300.93038	95.38975	1.27761	0.1397116	0.21077875	2.7963069	20	3 19.2	20.6
227706 2006 DG_{93}	16.1	X	236.77908	188.00952	358.20724	2.23095	0.0532093	0.18531055	3.0469778	20	12 27.6	20.2
227707 2006 DA_{102}	15.9	X	159.26539	190.18058	87.66718	2.28663	0.0465687	0.18897628	3.0074461	20	—	—
227708 2006 DT_{102}	15.7	X	52.58511	312.02550	135.76888	2.87523	0.0335792	0.20322787	2.8651489	20	1 15.1	19.4
227709 2006 DB_{110}	15.9	X	306.62741	71.21710	0.75249	10.30949	0.1359262	0.17906439	3.1174290	20	10 27.9	19.9
227710 2006 DF_{111}	15.0	X	226.07034	82.22751	36.20563	12.75353	0.0974274	0.17436084	3.1732436	20	9 21.9	19.8
227711 2006 DP_{114}	15.3	X	201.92406	161.07581	29.03659	16.65229	0.2136608	0.18077021	3.0977865	20	11 4.9	20.5
227712 2006 DA_{116}	15.9	X	122.85258	211.07194	66.88462	3.01175	0.0476249	0.17897292	3.1184910	20	12 9.0	20.4
227713 2006 DZ_{125}	15.6	X	25.36630	194.33940	165.82742	10.90749	0.0782055	0.18302845	3.0722531	20	11 30.8	19.9
227714 2006 DQ_{142}	15.9	X	225.76834	105.85834	33.93740	3.98884	0.1214700	0.17809879	3.1286867	20	10 10.6	20.4
227715 2006 DC_{169}	15.9	X	300.20887	88.44613	30.05689	6.00114	0.1665054	0.18855661	3.0119069	20	12 19.8	19.3
227716 2006 DQ_{188}	15.9	X	307.86547	298.81523	134.61769	3.46255	0.0635936	0.17899843	3.1181947	20	11 10.8	19.9
227717 2006 DL_{189}	16.3	X	148.98109	222.31658	34.17347	2.92875	0.0404152	0.18135487	3.0911250	20	12 12.2	20.8
227718 2006 DC_{197}	15.8	X	136.51625	255.81008	309.42094	12.46740	0.1411634	0.23902803	2.5714031	20	10 2.3	20.1
227719 2006 DK_{197}	15.5	X	3.66704	245.30384	244.78480	11.77655	0.0526099	0.20300327	2.8672619	20	—	—
227720 2006 DF_{207}	15.6	X	115.80107	59.08624	185.22908	10.68563	0.0427878	0.17200276	3.2021802	20	10 22.4	20.3
227721 2006 DU_{208}	14.9	X	248.20355	315.89096	195.04171	15.19238	0.1148627	0.17917572	3.1161375	20	11 20.5	19.4
227722 2006 EQ	15.0	X	231.32622	140.16131	45.08001	10.41967	0.0743257	0.18244572	3.0787914	20	12 15.3	19.5
227723 2006 EM_{8}	16.1	X	156.32147	97.71955	114.04946	1.44987	0.1494193	0.17425188	3.1745663	20	10 27.3	21.3
227724 2006 EE_{21}	16.2	X	99.79283	135.20894	143.92902	2.84549	0.0721671	0.17922272	3.1155927	20	11 18.4	20.7
227725 2006 EW_{28}	16.3	X	30.29866	99.63660	302.40118	0.53537	0.0573323	0.19048161	2.9915804	20	—	—
227726 2006 EA_{29}	16.5	X	254.95094	321.39818	216.20822	0.65420	0.0209579	0.18925487	3.0044940	20	—	—
227727 2006 EF_{35}	16.1	X	151.84712	311.25357	84.06914	2.61169	0.1435388	0.21132646	2.7914732	20	3 24.2	20.4
227728 2006 EB_{43}	15.0	X	199.90662	108.28908	45.94954	13.05635	0.1240659	0.17292826	3.1907448	20	10 4.9	20.1
227729 2006 EG_{56}	15.8	X	280.74038	341.80710	191.60175	7.30354	0.0957112	0.19315152	2.9639483	20	—	—
227730 2006 EG_{60}	15.3	X	287.63779	265.12875	188.79293	9.12763	0.1096971	0.18000773	3.1065280	20	11 3.6	19.3
227731 2006 EY_{62}	15.8	X	345.26002	159.00079	267.34245	2.90534	0.0649855	0.18369382	3.0648297	20	12 24.6	19.8
227732 2006 FM_{2}	16.1	X	238.05313	5.14232	203.85677	3.59847	0.1207094	0.19204119	2.9753619	20	—	—
227733 2006 FK_{14}	15.5	X	197.18171	127.11438	33.56906	4.92465	0.1159768	0.17187057	3.2038220	20	10 6.3	20.5
227734 2006 FU_{14}	16.4	X	16.27281	291.65544	154.86755	2.77677	0.1231917	0.19295524	2.9659580	20	—	—
227735 2006 FL_{16}	15.7	X	322.20263	268.08057	210.10391	2.59901	0.0543791	0.18915877	3.0055115	20	—	—
227736 2006 FP_{19}	16.2	X	268.68539	107.87258	33.93688	1.87447	0.1290866	0.18122468	3.0926053	20	12 2.4	20.2
227737 2006 FW_{20}	15.8	X	273.84141	354.56617	179.21820	11.14747	0.0476600	0.19272618	2.9683076	20	—	—
227738 2006 FT_{25}	16.2	X	218.69228	120.28229	47.50972	1.98224	0.1570114	0.17767755	3.1336297	20	11 1.2	21.0
227739 2006 FV_{30}	16.0	X	296.69907	16.76153	99.34769	1.97672	0.0848859	0.18640355	3.0350552	20	12 17.2	19.6
227740 2006 FT_{45}	15.7	X	209.06036	132.89202	62.45918	2.32421	0.1377965	0.18044618	3.1014938	20	11 26.1	20.5
227741 2006 GV_{17}	16.3	X	284.27533	358.73264	102.16664	2.54006	0.1323639	0.17821558	3.1273197	20	11 3.5	20.3
227742 2006 GQ_{49}	15.2	X	219.05122	116.26054	48.15772	10.60684	0.1720915	0.17807906	3.1289178	20	10 28.3	20.0
227743 2006 HS_{11}	15.4	X	256.51233	244.25470	187.65484	14.84307	0.2109203	0.17126922	3.2113169	20	8 6.4	20.4
227744 2006 HW_{22}	15.7	X	243.53483	85.33355	52.34360	10.93428	0.1156891	0.17490279	3.1666852	20	10 29.3	20.2
227745 2006 HJ_{23}	15.8	X	314.91625	50.43973	77.54397	3.42145	0.1044068	0.18667136	3.0321517	20	—	—
227746 2006 HJ_{36}	15.9	X	266.12948	114.61358	43.56634	6.82666	0.2003317	0.18699088	3.0286966	20	12 9.9	19.7
227747 2006 HP_{54}	15.6	X	234.24313	306.33461	213.47138	11.70025	0.1079701	0.17887559	3.1196222	20	11 14.8	20.2
227748 2006 HX_{56}	15.7	X	293.81450	348.58353	150.45091	4.82735	0.1909563	0.18695540	3.0290797	20	—	—
227749 2006 HG_{58}	15.1	X	339.48919	3.01768	85.21825	11.93079	0.0709525	0.18344352	3.0676170	20	—	—
227750 2006 HV_{58}	15.6	X	206.80689	162.79720	31.09067	5.30914	0.1707224	0.17665064	3.1457623	20	11 17.9	20.5
227751 2006 HN_{61}	16.0	X	251.88161	11.07908	116.27925	2.12303	0.1393817	0.17717051	3.1396056	20	10 22.9	20.4
227752 2006 HF_{88}	16.3	X	336.65426	180.67590	320.19717	0.60904	0.1374777	0.19579311	2.9372288	20	—	—
227753 2006 HH_{88}	16.1	X	257.04074	249.79237	299.19680	0.59588	0.0486709	0.18734610	3.0248670	20	—	—
227754 2006 HV_{108}	15.2	X	258.98798	116.03409	94.53032	11.75893	0.0489212	0.18738652	3.0244320	20	—	—
227755 2006 JY_{8}	15.0	X	264.49863	297.14936	305.99078	1.81462	0.1068421	0.12348136	3.9939421	20	1 21.7	20.9
227756 2006 JL_{46}	15.7	X	207.07204	123.94463	44.97479	18.82338	0.0776950	0.17309247	3.1887265	20	10 30.4	20.4
227757 2006 KX_{14}	14.7	X	164.19022	157.94138	90.11685	21.90966	0.0710288	0.17531193	3.1617563	20	12 17.1	19.4
227758 2006 KN_{113}	14.7	X	172.87079	157.40177	104.61719	17.54176	0.0936422	0.17946439	3.1127950	20	—	—
227759 2006 MQ_{10}	12.9	X	1.71425	82.58803	294.05993	7.44815	0.1036993	0.08279258	5.2136488	20	10 24.3	19.4
227760 2006 MZ_{13}	16.6	X	161.70622	193.16942	77.67326	26.58743	0.2423909	0.38449732	1.8730118	20	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227761 2006 QF_6	16.8	X	35.22014	250.18280	153.11872	23.49799	0.0836852	0.37767738	1.8954925	20	—	—
227762 2006 QH_{163}	17.1	X	341.49171	316.68838	53.80988	22.97037	0.1025188	0.36006160	1.9568229	20	11 25.9	18.6
227763 2006 RC_2	17.7	X	323.11254	213.99413	188.07880	21.98207	0.1095826	0.36072603	1.9544192	20	12 17.1	19.9
227764 2006 SU_{59}	17.3	X	112.25869	5.84859	321.87298	8.12081	0.2864847	0.30574558	2.1822069	20	—	—
227765 2006 SP_{393}	17.1	X	334.85110	53.24200	265.59495	2.66951	0.2084281	0.27014688	2.3699331	20	7 25.4	18.6
227766 2006 TT_{87}	17.4	X	102.51252	279.25017	23.53122	7.93680	0.1145638	0.29341495	2.2429240	20	—	—
227767 Enkibilal	18.1	X	102.87444	142.93151	225.97472	1.29397	0.0772956	0.30378575	2.1915823	20	—	—
227768 2006 UM_{72}	17.4	X	134.07797	345.28843	302.18757	4.26928	0.1595640	0.30243408	2.1981074	20	—	—
227769 2006 UX_{88}	17.4	X	102.34884	81.65984	285.17665	1.01753	0.0399357	0.30346393	2.1931315	20	—	—
227770 Wischnewski	17.7	X	88.40049	249.27756	120.57323	4.25633	0.1435369	0.30232677	2.1986275	20	—	—
227771 2006 VG_{35}	17.2	X	266.78281	347.61177	234.05010	4.66206	0.0928351	0.30579569	2.1819685	20	—	—
227772 2006 VL_{37}	17.5	X	84.96468	356.20031	6.88599	6.35996	0.2098082	0.30153189	2.2024897	20	—	—
227773 2006 VR_{91}	17.7	X	28.84268	279.32438	184.05802	1.22324	0.0926846	0.29954555	2.2122157	20	—	—
227774 2006 VV_{95}	17.3	X	157.08572	290.64560	43.12572	8.38050	0.1583846	0.30843086	2.1695225	20	1 1.7	20.3
227775 2006 VS_{110}	17.1	X	263.05751	156.06732	35.90283	8.16472	0.1035658	0.29530451	2.2333459	20	—	—
227776 2006 VO_{124}	17.8	X	226.34459	233.26734	55.31792	6.58515	0.0915582	0.31147152	2.1553799	20	1 12.8	20.7
227777 2006 VW_{127}	17.4	X	232.77090	259.43986	353.33769	4.71581	0.1479814	0.30593837	2.1812901	20	—	—
227778 2006 VO_{133}	16.8	X	159.43582	12.92552	345.37361	3.29606	0.1180337	0.31274916	2.1495058	20	2 1.1	19.4
227779 2006 VR_{136}	17.3	X	312.11700	265.07862	328.03744	0.92349	0.1016977	0.31577506	2.1357521	20	2 7.3	19.6
227780 2006 WY_{75}	17.5	X	170.76967	92.09274	237.44836	5.63839	0.1286922	0.31038033	2.1604286	20	1 6.6	20.4
227781 2006 WM_{153}	17.7	X	22.69256	53.35172	10.06502	1.68553	0.1159253	0.29047193	2.2580485	20	—	—
227782 2006 WC_{178}	17.4	X	65.00067	264.25372	132.66085	2.42665	0.1110104	0.29219685	2.2491532	20	—	—
227783 2006 WK_{178}	16.4	X	350.25236	4.40849	230.44788	3.67716	0.1912088	0.23414642	2.6070201	20	4 12.9	18.6
227784 2006 WF_{198}	17.7	X	204.84977	187.54868	333.25933	0.67915	0.1269913	0.27038249	2.3685561	20	10 26.6	21.1
227785 2006 WS_{203}	17.6	X	36.77155	126.60863	281.24317	6.63874	0.0758915	0.28976661	2.2617112	20	—	—
227786 2006 WV_{203}	17.6	X	75.31693	339.82153	64.55477	5.93949	0.1316365	0.30173521	2.2015002	20	—	—
227787 2006 XO_{28}	16.9	X	327.48221	176.59542	272.98624	5.68123	0.0730733	0.28626767	2.2801032	20	—	—
227788 2006 XQ_{49}	17.5	X	149.13084	128.27395	114.42959	3.62122	0.1668633	0.27461168	2.3441751	20	12 11.2	21.1
227789 2006 XG_{58}	16.6	X	12.88396	256.54039	65.64136	3.94775	0.1642734	0.27039400	2.3684889	20	10 26.1	19.0
227790 2006 XK_{59}	17.4	X	292.99414	330.10498	18.17936	1.66391	0.2095472	0.26169803	2.4206709	20	6 11.1	19.9
227791 2006 XZ_{59}	17.6	X	16.97405	57.57828	331.35205	3.09942	0.2534417	0.28690280	2.2767370	20	—	—
227792 2006 XW_{69}	16.8	X	166.20394	319.31343	287.17385	6.08773	0.0920971	0.28198713	2.3031198	20	—	—
227793 2006 YS_8	15.8	X	320.74007	331.62705	311.56327	5.71525	0.2480518	0.24374746	2.5381035	20	4 13.5	18.5
227794 2006 YZ_9	16.7	X	293.42395	63.86499	87.87384	7.04271	0.0322865	0.29058317	2.2574722	20	—	—
227795 2006 YH_{19}	17.1	X	141.10068	134.80360	48.86581	3.40413	0.1314695	0.25850943	2.4405355	20	9 19.9	20.7
227796 2006 YY_{30}	17.0	X	328.99959	62.21098	85.89169	6.96936	0.0324629	0.29558812	2.2319171	20	—	—
227797 2006 YR_{32}	17.2	X	89.80426	317.97674	64.84271	4.93999	0.1487713	0.29811169	2.2193036	20	—	—
227798 2006 YY_{37}	17.6	X	334.06185	85.28147	37.10133	3.44467	0.1207529	0.28959331	2.2626135	20	—	—
227799 2006 YG_{45}	17.2	X	191.03760	31.75259	238.11990	3.79105	0.1251432	0.29753074	2.2221915	20	—	—
227800 2006 YN_{50}	17.1	X	17.21998	330.21339	101.43658	4.21391	0.1991375	0.28961448	2.2625032	20	—	—
227801 2007 AZ_{13}	17.1	X	31.15877	296.91650	123.16338	5.74245	0.1132535	0.29208775	2.2497132	20	—	—
227802 2007 AA_{16}	17.2	X	339.83897	55.99597	33.69468	3.67386	0.1116563	0.28455424	2.2892471	20	—	—
227803 2007 AD_{21}	16.5	X	220.06446	261.98493	304.65119	5.51318	0.0678417	0.27974956	2.3153844	20	—	—
227804 2007 BQ	16.9	X	285.91950	217.59302	308.67931	5.52355	0.1180757	0.28683380	2.2771021	20	—	—
227805 2007 BF_1	17.1	X	186.74586	97.83962	92.72442	3.09976	0.1506307	0.27054502	2.3676074	20	11 13.0	20.6
227806 2007 BF_6	16.9	X	231.90439	24.87189	166.60649	7.48980	0.0497935	0.28160104	2.3052245	20	—	—
227807 2007 BL_{18}	17.3	X	208.98044	154.88860	32.47353	2.67000	0.1599120	0.27381055	2.3487454	20	12 1.5	20.4
227808 2007 BK_{21}	18.0	X	56.35364	60.31668	32.37456	2.11709	0.1325494	0.30275967	2.1965312	20	1 12.6	19.5
227809 2007 BA_{38}	17.3	X	325.82870	298.56375	151.57968	2.87908	0.1199740	0.28281927	2.2985999	20	—	—
227810 2007 BM_{43}	15.9	X	278.19565	156.60094	126.62422	9.13291	0.1740032	0.23447691	2.6045698	20	3 5.0	19.7
227811 2007 BW_{43}	18.2	X	288.33449	343.13741	149.45196	1.51361	0.1516418	0.28055819	2.3109333	20	—	—
227812 2007 BJ_{47}	17.3	X	325.68789	94.15214	16.67834	3.22570	0.1110096	0.28362022	2.2942703	20	—	—
227813 2007 BD_{50}	17.6	X	195.40833	32.52177	155.27242	3.47205	0.0894679	0.27101367	2.3648771	20	11 25.7	20.9
227814 2007 BE_{50}	17.2	X	273.88428	120.28800	25.98130	4.20022	0.1107674	0.27976027	2.3153253	20	—	—
227815 2007 BN_{65}	17.3	X	282.91201	298.14277	155.77017	3.14162	0.1233062	0.27187425	2.3598841	20	11 17.9	19.5
227816 2007 BL_{66}	17.0	X	310.07550	62.83346	321.47540	5.83698	0.1190705	0.26267113	2.4146887	20	9 19.1	19.3
227817 2007 BF_{69}	17.0	X	163.35880	30.88551	138.57775	3.32368	0.1261480	0.25934797	2.4352720	20	9 23.7	20.6
227818 2007 BE_{71}	17.4	X	241.17597	172.55705	239.43488	1.71515	0.1983567	0.25682365	2.4512036	20	7 4.4	20.9
227819 2007 BY_{79}	17.2	X	327.34454	249.35176	159.93044	7.75390	0.1892055	0.27417527	2.3466619	20	12 12.6	19.2
227820 2007 BL_{101}	16.6	X	227.72170	284.08631	37.03214	2.45735	0.1107781	0.22754473	2.6572038	20	3 4.9	20.5
227821 2007 CW_4	17.6	X	29.66613	241.99109	146.92275	3.81707	0.1463244	0.28240712	2.3008358	20	—	—
227822 2007 CS_7	17.5	X	218.35726	244.52222	327.13314	6.30472	0.0539226	0.28360673	2.2943431	20	—	—
227823 2007 CK_{19}	16.7	X	287.55244	109.54345	28.79041	6.01539	0.0985827	0.28280463	2.2986793	20	—	—
227824 2007 CX_{22}	17.0	X	313.31777	288.84566	184.07245	1.50025	0.0750308	0.28228988	2.3014728	20	—	—
227825 2007 CE_{23}	16.8	X	139.71437	95.99614	123.03439	3.07238	0.1449372	0.26413985	2.4057293	20	11 2.9	20.5
227826 2007 CG_{25}	16.6	X	293.97091	200.45175	298.19437	3.39515	0.1101799	0.28049082	2.3113034	20	—	—
227827 2007 CL_{25}	17.2	X	297.92158	302.39866	204.94130	2.72015	0.1262446	0.28241191	2.3008098	20	—	—
227828 2007 CA_{38}	17.0	X	201.69110	66.02149	131.39770	3.43202	0.1432157	0.27167450	2.3610407	20	12 8.6	20.1
227829 2007 CQ_{38}	17.1	X	8.95484	227.51112	143.99598	7.11182	0.1225706	0.27477788	2.3432297	20	12 22.2	19.8
227830 2007 CG_{40}	17.4	X	235.44021	20.38434	141.25981	2.62658	0.1285159	0.27292190	2.3538410	20	12 6.4	20.3
227831 2007 CV_{41}	17.3	X	187.57710	284.70533	230.59463	1.08542	0.1313963	0.26232237	2.4168285	20	9 28.8	20.7
227832 2007 CW_{41}	17.0	X	243.85897	224.60174	271.27965	1.72300	0.1860539	0.27143689	2.3624183	20	11 2.4	19.8
227833 2007 CJ_{50}	16.4	X	301.81472	176.30023	234.85030	5.64394	0.1127259	0.26824004	2.3811512	20	10 17.3	18.9
227834 2007 CP_{50}	17.2	X	248.11494	122.32777	17.28422	2.58797	0.1595489	0.27157272	2.3616305	20	11 18.1	19.7
227835 2007 CM_{51}	17.2	X	289.25949	212.34074	236.62105	2.60788	0.1561030	0.27301276	2.3533187	20	11 18.4	19.0
227836 2007 CJ_{53}	17.5	X	291.12357	129.79232	352.60104	4.00546	0.1054025	0.27902083	2.3194141	20	—	—
227837 2007 CX_{56}	16.7	X	253.40271	30.85682	113.79108	3.14324	0.1656902	0.27267339	2.3552710	20	12 3.9	19.2
227838 2007 CE_{63}	16.9	X	248.81533	10.01907	149.50190	6.02174	0.1607454	0.27367097	2.3495439	20	12 18.6	19.4
227839 2007 CC_{73}	17.9	X	10.42070	61.10096	347.18506	1.99878	0.1973317	0.28411059	2.2916297	20	—	—
227840 2007 DC_1	17.3	X	205.23119	153.58565	350.60700	1.22212	0.1359262	0.26153778	2.4216596	20	10 2.9	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227841 2007 DY_4	17.5	X	209.83167	52.43194	154.44616	5.32329	0.1730205	0.27826343	2.3236210	20	12 27.4	20.5
227842 2007 DK_7	17.7	X	279.62225	352.50735	130.61872	1.75403	0.1283657	0.27328968	2.3517287	20	12 24.1	19.9
227843 2007 DC_{20}	16.3	X	264.15774	184.21002	152.64704	11.99266	0.2446842	0.23946844	2.5682494	20	4 19.9	20.4
227844 2007 DL_{21}	16.5	X	349.05143	268.71107	357.92301	4.24333	0.1122740	0.23987272	2.5653629	20	6 3.9	19.2
227845 2007 DE_{24}	17.1	X	260.89780	288.18780	158.40169	2.85628	0.1381004	0.26499235	2.4005670	20	9 26.9	20.0
227846 2007 DQ_{31}	16.4	X	223.58680	185.42640	132.96606	2.25995	0.0684744	0.22642665	2.6659440	20	2 27.9	20.3
227847 2007 DZ_{34}	17.2	X	300.36995	275.90305	152.30763	1.51807	0.1687833	0.26894508	2.3769879	20	11 7.6	18.9
227848 2007 DF_{35}	16.9	X	277.68398	141.64030	346.23034	2.26794	0.1193847	0.27424103	2.3462868	20	12 28.9	19.0
227849 2007 DX_{36}	17.6	X	340.44607	33.14069	27.05652	2.69639	0.2226104	0.27531254	2.3401950	20	—	—
227850 2007 DV_{37}	17.1	X	247.70431	129.49759	327.02037	0.65873	0.1474137	0.26225864	2.4172200	20	9 19.1	19.9
227851 2007 DG_{39}	16.3	X	321.67118	283.47594	35.12558	4.53342	0.0897069	0.24293331	2.5437710	20	7 5.5	19.2
227852 2007 DX_{46}	17.2	X	166.29963	353.43782	205.13155	0.80944	0.1313940	0.26462646	2.4027792	20	11 2.2	20.8
227853 2007 DH_{47}	17.4	X	225.70710	256.43515	257.75988	0.51035	0.1244577	0.26948584	2.3738070	20	11 12.5	20.4
227854 2007 DS_{49}	16.4	X	343.67001	265.27668	352.79702	8.24634	0.1151385	0.23869006	2.5738298	20	5 9.1	19.4
227855 2007 DK_{53}	17.4	X	278.92694	129.63917	331.82981	5.42987	0.1766274	0.27030318	2.3690194	20	11 10.8	19.7
227856 2007 DQ_{64}	16.9	X	38.49022	206.78764	36.56033	1.68457	0.1237014	0.24492682	2.5299493	20	8 2.5	19.7
227857 2007 DW_{68}	16.6	X	231.39212	274.79135	4.13892	4.02653	0.0686417	0.21877343	2.7277611	20	1 20.5	20.7
227858 2007 DE_{72}	17.6	X	73.84917	53.33354	50.28497	1.35456	0.1607211	0.30288323	2.1959337	20	3 8.9	19.5
227859 2007 DW_{76}	16.5	X	278.11788	318.10238	143.76071	8.72385	0.0673698	0.27047411	2.3680212	20	11 28.2	19.3
227860 2007 DK_{79}	17.7	X	266.68336	111.68258	39.52619	2.93670	0.1710467	0.27691426	2.3311622	20	—	—
227861 2007 DM_{82}	15.7	X	79.85769	235.96152	291.10182	9.74393	0.0862359	0.24081635	2.5586570	20	6 9.8	19.1
227862 2007 DX_{87}	16.6	X	334.48819	202.87290	66.31289	3.49620	0.0746330	0.23846896	2.5754205	20	5 16.6	19.5
227863 2007 DQ_{93}	17.3	X	247.14174	94.42180	61.13272	3.36491	0.1443543	0.27309380	2.3528531	20	12 12.3	19.8
227864 2007 DL_{95}	16.3	X	199.39589	254.80511	58.85474	4.78814	0.1066386	0.21862215	2.7290193	20	1 29.6	20.6
227865 2007 DY_{96}	16.4	X	52.39246	223.98226	176.07149	12.86595	0.1080604	0.20935637	2.8089581	20	—	—
227866 2007 DQ_{97}	17.2	X	176.84147	4.60342	185.65425	1.31930	0.1174350	0.26210251	2.4181798	20	11 3.2	20.7
227867 2007 DZ_{97}	17.8	X	248.15804	227.40564	261.35002	1.55125	0.1449984	0.26738427	2.3862292	20	11 4.6	20.7
227868 2007 DQ_{112}	16.7	X	185.28973	319.72281	101.44600	2.55567	0.1196648	0.23753826	2.5821432	20	5 25.7	20.6
227869 2007 DD_{113}	16.8	X	120.38919	94.72528	326.93725	1.06541	0.0644879	0.22637873	2.6663202	20	3 11.0	20.5
227870 2007 DH_{115}	17.0	X	330.78009	51.64472	346.70498	3.85904	0.2008195	0.26994158	2.3711345	20	11 30.4	18.7
227871 2007 EK_8	16.9	X	324.68523	132.62523	179.01033	3.23470	0.0194798	0.24381154	2.5376587	20	7 5.5	20.1
227872 2007 EP_8	16.4	X	243.13714	217.10834	65.89929	0.75649	0.0196396	0.21999932	2.7176185	20	2 10.2	20.2
227873 2007 EW_{10}	16.1	X	218.74107	153.87721	183.19528	3.89156	0.1732336	0.23149471	2.6268907	20	3 11.6	20.5
227874 2007 ER_{11}	17.4	X	301.47325	319.17573	172.29086	3.44001	0.1657230	0.28035589	2.3120449	20	—	—
227875 2007 EH_{16}	16.9	X	138.74671	266.58533	299.77999	0.57040	0.1366380	0.25848433	2.4406934	20	10 14.8	20.7
227876 2007 EO_{18}	16.8	X	258.98649	216.38294	305.64116	3.80988	0.1672168	0.27545606	2.3393821	20	—	—
227877 2007 ER_{21}	16.1	X	331.34609	108.47645	139.15256	3.59419	0.2441671	0.22653080	2.6651268	20	3 19.5	18.9
227878 2007 EH_{22}	17.0	X	216.79449	349.09205	201.85590	2.11849	0.1618539	0.27099845	2.3649657	20	12 15.0	20.1
227879 2007 EG_{25}	16.3	X	77.91584	101.03391	12.26879	8.20624	0.1367038	0.22621352	2.6676182	20	4 2.6	19.4
227880 2007 ET_{25}	16.9	X	63.97980	126.52130	35.98563	6.61418	0.2067721	0.23474223	2.6026068	20	5 30.0	20.1
227881 2007 EX_{27}	17.2	X	293.81743	24.80282	102.83931	3.48659	0.1535722	0.27879561	2.3206631	20	—	—
227882 2007 EE_{32}	17.0	X	291.59744	340.03035	135.89166	3.74982	0.1696811	0.27604188	2.3360711	20	—	—
227883 2007 EU_{35}	16.6	X	298.73503	329.88925	344.54672	0.46725	0.1557733	0.24071456	2.5593783	20	5 11.4	19.4
227884 2007 EU_{42}	16.2	X	207.43071	273.94004	16.38325	4.73148	0.0404968	0.21305534	2.7763514	20	1 9.3	20.3
227885 2007 EY_{42}	16.1	X	177.46866	93.92010	163.96171	2.77010	0.0731438	0.19928788	2.9027889	20	—	—
227886 2007 EN_{45}	16.8	X	90.59068	95.78275	16.78565	3.54528	0.0887341	0.22853734	2.6495042	20	4 11.6	20.0
227887 2007 EK_{46}	16.4	X	119.40667	277.23061	188.79697	3.41100	0.0399597	0.23185287	2.6241847	20	5 4.2	19.8
227888 2007 EF_{48}	16.1	X	280.91074	203.63128	38.07076	4.61550	0.0170784	0.21698239	2.7427511	20	2 7.1	19.9
227889 2007 EC_{49}	17.6	X	11.05975	21.29449	89.31903	1.40682	0.1528055	0.28742603	2.2739731	20	—	—
227890 2007 EJ_{57}	17.7	X	320.46852	279.69828	151.85280	2.59781	0.1564891	0.27557644	2.3387007	20	12 29.0	19.5
227891 2007 ET_{69}	17.1	X	351.40845	317.13946	122.89467	3.29985	0.1871116	0.28005910	2.3136780	20	—	—
227892 2007 EA_{70}	15.7	X	46.36310	270.11493	38.20300	4.80026	0.1704486	0.18067415	3.0988843	20	11 4.9	20.0
227893 2007 EZ_{79}	16.5	X	291.52264	51.68196	221.93315	4.88771	0.1401973	0.22335901	2.6902981	20	3 9.6	20.3
227894 2007 EX_{91}	16.9	X	357.12171	83.67428	318.30108	5.76083	0.1431402	0.27686508	2.3314383	20	—	—
227895 2007 EY_{112}	15.6	X	30.29304	141.73418	205.25845	10.84873	0.0695109	0.18588507	3.0406963	20	11 19.8	19.7
227896 2007 EV_{118}	16.5	X	315.79434	92.10897	143.53915	3.27429	0.1254840	0.22082936	2.7108043	20	2 26.4	19.9
227897 2007 ES_{126}	17.6	X	322.87814	294.26963	194.78346	4.63374	0.1489587	0.28527229	2.2854040	20	—	—
227898 2007 EZ_{126}	17.1	X	28.17287	215.12227	152.13253	2.60347	0.2245645	0.27744137	2.3282087	20	—	—
227899 2007 EF_{128}	16.6	X	178.58234	28.53233	347.90095	3.94722	0.1426541	0.23038556	2.6353151	20	3 23.3	20.6
227900 2007 EU_{132}	17.8	X	235.75850	93.94092	13.46165	1.24879	0.1510320	0.26163003	2.4210903	20	9 18.2	20.7
227901 2007 EB_{141}	16.2	X	212.50582	81.54018	209.34338	4.51008	0.1517078	0.21179298	2.7873725	20	1 13.5	20.7
227902 2007 EV_{156}	15.1	X	66.18426	274.80769	32.62698	22.96261	0.1297019	0.18256391	3.0774625	20	11 16.7	19.8
227903 2007 EE_{165}	15.7	X	342.06759	157.44379	38.17108	15.21303	0.1217215	0.21962870	2.7206749	20	2 21.5	19.3
227904 2007 EB_{168}	16.7	X	351.67333	93.94041	40.37192	5.19578	0.0631504	0.21095755	2.7947266	20	—	—
227905 2007 EN_{171}	15.9	X	120.82240	58.97494	25.29887	11.72389	0.0490029	0.22486001	2.6783124	20	4 8.9	19.6
227906 2007 EU_{175}	15.6	X	13.23131	133.96065	198.79643	8.33956	0.0610631	0.17955960	3.1116946	20	10 6.2	19.8
227907 2007 EO_{180}	15.4	X	263.78719	180.83131	210.81145	8.90168	0.0377453	0.16801001	3.2527145	20	7 20.3	20.1
227908 2007 EU_{182}	16.5	X	78.10329	324.78549	227.77953	4.95873	0.1120773	0.23912245	2.5707262	20	7 15.9	20.0
227909 2007 ED_{188}	16.8	X	62.08108	173.01797	16.85843	5.58148	0.1433531	0.23901735	2.5714797	20	6 25.8	20.0
227910 2007 ER_{194}	17.6	X	227.36097	116.93519	15.88139	2.31333	0.1539301	0.26443917	2.4039136	20	10 11.8	20.7
227911 2007 EC_{197}	16.5	X	184.92587	238.97245	198.70932	5.46456	0.0969920	0.23965908	2.5668872	20	6 15.9	20.4
227912 2007 EJ_{197}	16.6	X	125.74282	228.83209	205.58161	4.14412	0.0773530	0.22621741	2.6675877	20	4 4.5	20.3
227913 2007 EJ_{203}	16.3	X	172.26223	234.25999	121.47566	2.88066	0.0941075	0.22049814	2.7135184	20	2 20.7	20.5
227914 2007 ET_{208}	16.7	X	17.55725	178.53032	52.47977	10.43177	0.0346553	0.23482309	2.6020093	20	5 30.1	20.0
227915 2007 FQ	16.6	X	327.00392	171.72676	16.46817	3.28129	0.0341740	0.21849514	2.7300768	20	1 25.7	20.2
227916 2007 FZ_{11}	17.1	X	205.68370	232.28898	325.40835	1.63777	0.1381864	0.26977660	2.3721011	20	12 13.2	20.3
227917 2007 FC_{24}	17.3	X	143.80200	170.13676	25.36061	5.82820	0.0757044	0.25510067	2.4622283	20	10 6.2	20.8
227918 2007 FR_{25}	16.8	X	158.81842	178.60283	19.39732	2.56041	0.1473754	0.25881197	2.4386332	20	10 23.5	20.6
227919 2007 FB_{36}	17.3	X	118.34430	324.08427	178.55571	4.01451	0.0999866	0.24096083	2.5576341	20	6 27.7	21.0
227920 2007 FS_{36}	16.5	X	20.50401	24.87294	191.08671	5.36689	0.2061366	0.23172024	2.6251859	20	5 28.0	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
227921 2007 FF_{37}	15.8	X	164.01433	152.65114	190.87737	5.56558	0.0836456	0.21006329	2.8026527	20	1 26.8	20.0
227922 2007 FQ_{37}	16.7	X	267.66114	61.26106	179.86854	2.81283	0.0582667	0.21181919	2.7871425	20	1 14.8	20.6
227923 2007 FD_{38}	16.3	X	41.27960	37.95108	164.09991	3.68877	0.1709794	0.23283701	2.6167850	20	6 13.5	19.1
227924 2007 FW_{43}	15.7	X	325.68012	172.92286	77.47588	15.07351	0.0507611	0.22655069	2.6649708	20	4 17.6	19.3
227925 2007 FS_{44}	15.9	X	76.24009	118.20488	77.10444	10.36051	0.0548826	0.23802270	2.5786385	20	7 9.6	19.4
227926 2007 FX_{48}	16.5	X	112.75010	261.60501	40.47500	1.13370	0.0896594	0.19194265	2.9763801	20	12 31.7	21.0
227927 2007 GB	15.5	X	263.18041	164.65403	68.22409	19.79945	0.1746399	0.21096796	2.7946347	20	—	—
227928 2007 GT_{1}	15.8	X	62.91498	244.38000	38.46716	2.45356	0.1777606	0.17763667	3.1341105	20	10 25.3	20.4
227929 2007 GT_{4}	16.4	X	238.74789	254.48081	16.73779	3.97591	0.1694106	0.21163409	2.7887675	20	1 14.5	20.9
227930 Athos	15.4	X	58.07447	250.63124	48.32592	9.26170	0.2312768	0.17680496	3.1439315	20	11 14.5	20.1
227931 2007 GV_{6}	16.7	X	288.92272	233.06577	6.49126	1.77021	0.0229455	0.21981369	2.7191483	20	2 11.9	20.2
227932 2007 GT_{7}	16.7	X	175.57774	93.96568	179.76169	1.88848	0.0268684	0.20227389	2.8741504	20	—	—
227933 2007 GV_{15}	17.7	X	167.17382	197.88648	326.55426	0.83459	0.1366318	0.25618947	2.4552471	20	9 19.0	21.3
227934 2007 GQ_{16}	16.2	X	170.32746	107.79534	227.90969	3.50667	0.0732264	0.20921194	2.8102507	20	1 23.9	20.3
227935 2007 GY_{20}	16.3	X	157.95214	135.75303	185.61146	1.68914	0.0627211	0.20264530	2.8706375	20	—	—
227936 2007 GA_{22}	15.6	X	19.19037	123.32282	205.27276	2.97420	0.0910232	0.17392935	3.1784896	20	10 11.7	19.7
227937 2007 GH_{22}	16.5	X	131.50745	236.05335	190.20398	2.33736	0.0813025	0.22107997	2.7087554	20	4 2.1	20.2
227938 2007 GD_{26}	16.2	X	342.10292	318.00127	189.08917	7.90834	0.0124656	0.21195620	2.7859413	20	—	—
227939 2007 GK_{29}	15.8	X	98.56522	230.97614	33.99637	11.31684	0.1939982	0.17944718	3.1129941	20	11 8.9	20.8
227940 2007 GV_{29}	14.9	X	89.32489	245.05834	37.78512	11.53772	0.1026987	0.18069381	3.0986596	20	11 12.9	19.6
227941 2007 GF_{36}	15.5	X	328.57751	42.83130	56.87090	9.22198	0.0329179	0.19634737	2.9316986	20	—	—
227942 2007 GE_{38}	16.7	X	51.94722	325.31001	142.02294	3.20189	0.0384757	0.21577486	2.7529742	20	2 6.1	20.2
227943 2007 GJ_{38}	16.1	X	31.12844	108.14668	59.05115	3.78648	0.0329777	0.22390782	2.6859002	20	3 26.7	19.5
227944 2007 GW_{38}	16.9	X	87.71076	112.14019	69.65873	2.56172	0.0411420	0.23831071	2.5765605	20	7 4.2	20.2
227945 2007 GX_{40}	16.5	X	63.12830	303.35212	208.72289	4.56067	0.0341760	0.22543018	2.6737944	20	4 18.8	20.0
227946 2007 GW_{41}	16.8	X	248.67039	164.35964	229.20300	1.63368	0.1814828	0.23861077	2.5744000	20	6 19.7	20.7
227947 2007 GH_{42}	16.5	X	96.48523	15.49605	25.60476	3.80292	0.1011008	0.20945957	2.8080354	20	1 23.7	20.2
227948 2007 GU_{46}	16.5	X	122.42496	82.96586	56.72189	13.85805	0.1356619	0.23648238	2.5898236	20	7 1.9	20.5
227949 2007 GS_{49}	15.7	X	330.57209	332.98591	206.91766	12.83713	0.1562759	0.21845209	2.7304355	20	—	—
227950 2007 GF_{57}	17.3	X	242.81706	282.46679	174.85665	7.59163	0.1626737	0.25637261	2.4540776	20	9 10.3	20.4
227951 2007 GO_{59}	16.2	X	88.14885	298.58866	221.12596	12.12269	0.1277325	0.23451424	2.6042934	20	6 16.8	19.9
227952 2007 GY_{60}	15.8	X	12.44840	238.88467	243.42765	5.02935	0.0151157	0.20883212	2.8136572	20	1 4.1	19.5
227953 2007 GJ_{61}	15.7	X	23.31789	45.62517	25.21581	17.84244	0.1278287	0.20211789	2.8756292	20	—	—
227954 2007 GZ_{65}	14.6	X	138.18941	186.31594	54.62949	25.75733	0.2050306	0.18227113	3.0807571	20	11 15.9	19.9
227955 2007 GQ_{67}	15.1	X	172.42096	208.23566	38.72409	11.44453	0.0564433	0.19088516	2.9873626	20	12 27.9	19.6
227956 2007 GG_{69}	16.4	X	181.19248	257.03113	55.46494	0.96913	0.0572835	0.21175446	2.7877105	20	1 7.3	20.4
227957 2007 GR_{69}	16.4	X	165.01284	245.28414	92.21378	0.45207	0.0763175	0.21373035	2.7705027	20	1 21.0	20.5
227958 2007 HH	16.4	X	108.68263	277.60981	147.95056	5.32072	0.1023965	0.21965179	2.7204843	20	3 8.7	20.1
227959 2007 HS_{5}	15.5	X	81.43921	218.02526	43.06945	14.72375	0.2350340	0.17608644	3.1524783	20	10 26.3	20.5
227960 2007 HN_{7}	15.0	X	98.96191	201.42591	42.29451	13.65722	0.1110654	0.17465322	3.1697012	20	10 12.4	19.8
227961 2007 HO_{10}	16.8	X	199.53798	22.11735	28.34198	14.57772	0.1608537	0.23713846	2.5850447	20	5 21.4	21.1
227962 Aramis	15.9	X	175.08728	121.94550	147.17301	5.40558	0.0132360	0.19781884	2.9171423	20	—	—
227963 2007 HR_{17}	16.3	X	44.47593	15.07175	211.53762	6.56108	0.1117191	0.23794885	2.5791720	20	7 14.0	19.4
227964 2007 HE_{21}	16.1	X	165.74412	326.64347	18.73860	1.33530	0.0778675	0.21061957	2.7977156	20	2 1.2	20.1
227965 2007 HC_{22}	15.3	X	61.44827	258.67160	50.79123	10.57237	0.0837469	0.17955517	3.1117458	20	11 12.4	19.7
227966 2007 HM_{23}	16.0	X	246.74400	219.78098	54.14296	5.28922	0.0250441	0.21244917	2.7816299	20	2 5.5	19.9
227967 2007 HN_{23}	15.7	X	129.93898	51.14639	197.21798	4.30720	0.1048355	0.18199851	3.0838328	20	11 15.3	20.6
227968 2007 HZ_{27}	15.5	X	135.45099	21.87380	207.19908	5.07034	0.0964427	0.17880117	3.1204878	20	10 27.8	20.4
227969 2007 HL_{29}	17.0	X	68.72633	286.14275	146.88603	1.97371	0.0573479	0.21458799	2.7631159	20	1 18.3	20.5
227970 2007 HL_{32}	16.2	X	66.93272	279.54808	24.92648	10.34994	0.0251750	0.18221862	3.0813489	20	11 3.8	20.6
227971 2007 HY_{36}	15.3	X	163.80081	220.37524	36.28065	10.61767	0.0733975	0.19063501	2.9899754	20	12 29.5	19.9
227972 2007 HG_{41}	15.4	X	109.51395	267.67505	65.04967	11.26675	0.1211862	0.19274058	2.9681598	20	—	—
227973 2007 HJ_{48}	15.2	X	4.41473	176.75859	199.37033	9.23215	0.0228378	0.18389294	3.0626169	20	11 16.4	19.5
227974 2007 HX_{48}	16.4	X	118.36101	138.49523	109.25059	2.39561	0.0394884	0.18090661	3.0962291	20	10 30.1	20.8
227975 2007 HL_{63}	16.5	X	179.80092	231.69153	60.90291	7.91739	0.0378417	0.20260001	2.8710654	20	—	—
227976 2007 HP_{75}	15.7	X	90.88977	162.31620	74.13861	5.57505	0.1216194	0.17290391	3.1910443	20	9 25.1	20.5
227977 2007 HV_{79}	15.7	X	224.66570	119.76864	53.92090	11.26799	0.0466806	0.18840803	3.0134901	20	11 28.8	19.9
227978 2007 HD_{81}	15.8	X	4.30235	325.23138	31.08654	5.98943	0.1183183	0.17965046	3.1106453	20	10 28.8	19.4
227979 2007 HG_{87}	15.5	X	113.38327	126.22664	125.96531	2.95688	0.0814319	0.17806919	3.1290334	20	11 1.8	20.2
227980 2007 HA_{88}	15.6	X	152.98674	164.92034	83.15633	10.01211	0.0219021	0.18977539	2.9989976	20	12 9.3	19.8
227981 2007 HT_{96}	17.1	X	301.39590	1.55663	109.01050	4.80813	0.1066386	0.26700367	2.3884962	20	—	—
227982 2007 JG_{1}	16.0	X	40.02605	245.40242	44.53689	5.31818	0.1396894	0.17176096	3.2051848	20	9 30.7	20.2
227983 2007 JR_{1}	15.1	X	93.65151	29.07345	205.14168	16.10939	0.1146050	0.17409973	3.1764156	20	9 19.2	19.9
227984 2007 JX_{1}	15.0	X	103.57731	224.82485	64.61842	11.41452	0.1098878	0.18334560	3.0687091	20	12 6.9	19.8
227985 2007 JN_{2}	15.7	X	139.19675	59.89773	214.43815	3.02031	0.0792525	0.18891820	3.0080625	20	12 24.5	20.3
227986 2007 JP_{2}	15.2	X	124.26469	197.12566	66.79767	10.23628	0.0543359	0.18184633	3.0855530	20	11 25.2	19.8
227987 2007 JL_{3}	15.8	X	92.69280	220.88796	63.55628	6.12539	0.1603632	0.18084624	3.0969182	20	11 24.8	20.7
227988 2007 JR_{5}	16.0	X	60.83694	71.63002	208.70200	8.25388	0.1094284	0.17537577	3.1609891	20	10 9.3	20.3
227989 2007 JP_{7}	16.5	X	223.33961	232.84330	59.95665	1.32088	0.0366146	0.21042285	2.7994590	20	1 30.4	20.6
227990 2007 JQ_{9}	15.3	X	137.87092	178.88391	62.57466	10.76413	0.1179294	0.17994207	3.1072837	20	11 14.9	20.3
227991 2007 JJ_{10}	15.2	X	158.58187	229.35882	234.10586	12.42725	0.1317446	0.23619785	2.5919031	20	6 21.3	19.3
227992 2007 JM_{17}	15.9	X	67.94403	249.29734	66.47851	6.01400	0.1594523	0.17821340	3.1273451	20	12 6.2	20.6
227993 2007 JO_{17}	16.5	X	267.67439	345.14563	220.11420	6.67960	0.0496371	0.20125194	2.8838721	20	—	—
227994 2007 JB_{19}	15.8	X	177.17494	33.13256	210.55156	10.03565	0.0567115	0.18917928	3.0052943	20	12 27.9	20.4
227995 2007 JS_{21}	16.0	X	48.14687	317.07729	59.20788	2.29718	0.0691689	0.19031695	2.9933057	20	—	—
227996 2007 JM_{38}	16.9	X	35.18847	280.36237	198.60643	4.24232	0.0735563	0.21321013	2.7750075	20	1 29.1	20.4
227997 2007 KU_{7}	14.9	X	53.68624	227.81736	103.14919	17.43919	0.0355233	0.18011776	3.1052628	20	11 26.7	19.5
227998 2007 LD_{2}	15.8	X	334.58195	193.65540	203.62951	9.56162	0.0860952	0.17692177	3.1425476	20	11 2.8	19.7
227999 2007 LY_{24}	15.8	X	137.22537	65.10514	168.38809	0.85848	0.1001781	0.17852651	3.1236874	20	11 3.8	20.7
228000 2007 MJ_{1}	14.8	X	272.09207	212.04190	232.19881	22.84527	0.0420355	0.17482606	3.1676117	20	10 2.8	19.5